

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084275.D
 Acq On : 5 Jan 2016 9:39
 Operator : UM/SJ
 Sample : G4949-02MSD
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

Manual Integrations
 APPROVED

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 1/5/2016 6:50:06 PM

Quant Time: Jan 05 13:50:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	263783	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	914894	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	385214	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	658817	20.00	ng	0.01
75) Chrysene-d12	14.05	240	479430	20.00	ng	-0.01
86) Perylene-d12	15.49	264	530826	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	2232434	136.89	ng	0.02
7) Phenol-d6	6.54	99	2797857	136.60	ng	0.01
23) Nitrobenzene-d5	7.47	82	2039140	124.05	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	557705	143.40	ng	0.01
44) 2-Fluorobiphenyl	9.26	172	2179841	100.72	ng	0.00
78) Terphenyl-d14	13.01	244	2202105	102.53	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.57	88	302035	39.10	ng	# 76
3) Pyridine	3.31	79	881553	40.93	ng	# 75
4) n-Nitrosodimethylamine	3.26	42	537523	48.62	ng	# 80
6) Aniline	6.56	93	852899	28.47	ng	# 1
8) 2-Chlorophenol	6.68	128	872515	47.16	ng	# 84
9) Benzaldehyde	6.44	77	343067	25.72	ng	# 91
10) Phenol	6.56	94	936530	40.22	ng	# 76
11) bis(2-Chloroethyl)ether	6.64	93	898976	49.83	ng	# 83
12) 1,3-Dichlorobenzene	6.83	146	841564m	44.09	ng	# 98
13) 1,4-Dichlorobenzene	6.91	146	812477	42.45	ng	# 98
14) 1,2-Dichlorobenzene	7.07	146	846392	46.18	ng	# 94
15) Benzyl Alcohol	7.05	79	854536	49.60	ng	# 97
16) 2,2'-oxybis(1-Chloropropan	7.17	45	1450263	44.15	ng	# 97
17) 2-Methylphenol	7.16	107	679798m	43.84	ng	# 85
18) Hexachloroethane	7.41	117	427301	55.83	ng	# 75
19) n-Nitroso-di-n-propylamine	7.32	70	697871	50.33	ng	# 83
20) 3+4-Methylphenols	7.32	107	902180	49.50	ng	# 90
22) Acetophenone	7.31	105	1187187	53.96	ng	# 95
24) Nitrobenzene	7.48	77	906267	54.36	ng	# 96
25) Isophorone	7.72	82	1777137	56.53	ng	# 86
26) 2-Nitrophenol	7.80	139	474314	62.51	ng	# 94
27) 2,4-Dimethylphenol	7.85	122	778545	50.69	ng	# 89
28) bis(2-Chloroethoxy)methane	7.94	93	1077159	56.09	ng	# 91
29) 2,4-Dichlorophenol	8.04	162	700182	54.73	ng	# 96
30) 1,2,4-Trichlorobenzene	8.12	180	682996	51.71	ng	# 98
31) Naphthalene	8.21	128	2420196	58.31	ng	# 99
32) Benzoic acid	7.93	122	118239m	16.66	ng	# 97
33) 4-Chloroaniline	8.26	127	483373	25.40	ng	# 99
34) Hexachlorobutadiene	8.33	225	427759	56.34	ng	# 1
35) Caprolactam	8.61	113	421701	97.77	ng	# 89
36) 4-Chloro-3-methylphenol	8.75	107	731006	51.01	ng	# 95
37) 2-Methylnaphthalene	8.90	142	1613178	54.14	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	559643	50.54	ng	# 98
40) Hexachlorocyclopentadiene	9.06	237	587492	87.88	ng	# 98

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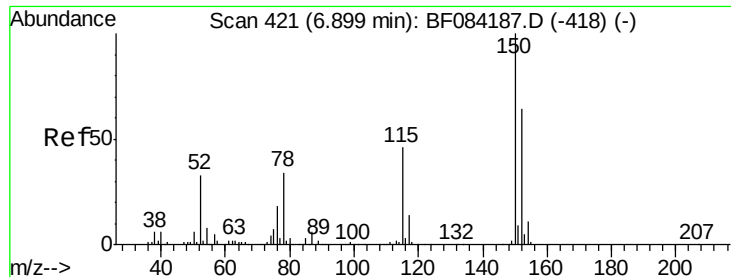
Manual Integrations
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 1/5/2016 6:50:06 PM

Quant Time: Jan 05 13:50:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.18	196	418952	50.57	nq	96
43) 2,4,5-Trichlorophenol	9.23	196	367528	46.27	nq #	69
45) 1,1'-Biphenyl	9.37	154	1418311	46.33	nq	99
46) 2-Chloronaphthalene	9.39	162	1102966	45.87	nq	98
47) 2-Nitroaniline	9.49	65	522298	65.80	nq	87
48) Acenaphthylene	9.81	152	1718816	48.38	nq #	91
49) Dimethylphthalate	9.68	163	1567392	56.92	nq #	91
50) 2,6-Dinitrotoluene	9.73	165	272270	45.08	nq #	27
51) Acenaphthene	9.98	154	1276448	53.56	nq	98
52) 3-Nitroaniline	9.90	138	339385	45.35	nq	88
53) 2,4-Dinitrophenol	10.02	184	90460	37.15	nq #	85
54) Dibenzofuran	10.16	168	1522989	49.65	nq #	80
55) 4-Nitrophenol	10.08	139	517615	95.28	nq #	60
56) 2,4-Dinitrotoluene	10.14	165	452366	59.18	nq #	90
57) Fluorene	10.50	166	1419303	60.27	nq #	99
58) 2,3,4,6-Tetrachlorophenol	10.28	232	309940	45.71	nq #	91
59) Diethylphthalate	10.37	149	1229632	45.29	nq	97
60) 4-Chlorophenyl-phenylether	10.49	204	518193	52.83	nq #	78
61) 4-Nitroaniline	10.52	138	298799	44.79	nq	90
62) Azobenzene	10.65	77	1375007	46.17	nq	93
64) 4,6-Dinitro-2-methylphenol	10.54	198	136905	34.19	nq #	1
65) n-Nitrosodiphenylamine	10.61	169	1617199	76.78	nq #	85
66) 4-Bromophenyl-phenylether	10.98	248	370763	52.29	nq #	78
67) Hexachlorobenzene	11.06	284	401162	50.26	nq	98
68) Atrazine	11.14	200	355874	51.63	nq	98
69) Pentachlorophenol	11.24	266	313228	75.69	nq	98
70) Phenanthrene	11.46	178	2111245	61.26	nq #	93
71) Anthracene	11.52	178	1999899m	59.20	nq	
72) Carbazole	11.66	167	1478066	44.76	nq	94
73) Di-n-butylphthalate	12.00	149	2125705	68.85	nq #	97
74) Fluoranthene	12.64	202	1690036	46.95	nq	98
76) Benzidine	12.76	184	389929	22.68	nq	98
77) Pyrene	12.86	202	1851426	49.21	nq	97
79) Butylbenzylphthalate	13.48	149	844445	51.87	nq	95
80) Benzo(a)anthracene	14.04	228	1443874	51.29	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	405242	41.25	nq #	94
82) Chrysene	14.09	228	1452018	53.68	nq	100
83) Bis(2-ethylhexyl)phthalate	14.04	149	995867	48.42	nq #	96
84) Di-n-octyl phthalate	14.65	149	1701803	49.01	nq #	86
85) Indeno(1,2,3-cd)pyrene	16.92	276	1641808	76.57	nq	99
87) Benzo(b)fluoranthene	15.08	252	1545167	44.50	nq #	96
88) Benzo(k)fluoranthene	15.12	252	1433159m	50.47	nq	
89) Benzo(a)pyrene	15.44	252	1472727	50.00	nq #	96
90) Dibenzo(a,h)anthracene	16.93	278	1362160	53.75	nq	99
91) Benzo(g,h,i)perylene	17.35	276	1342847	51.16	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

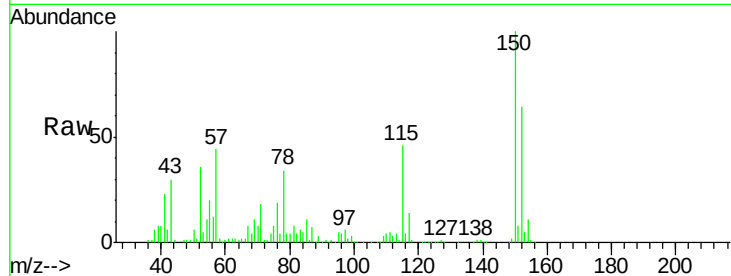
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.0	184.4
115	72.3	51.4	77.2

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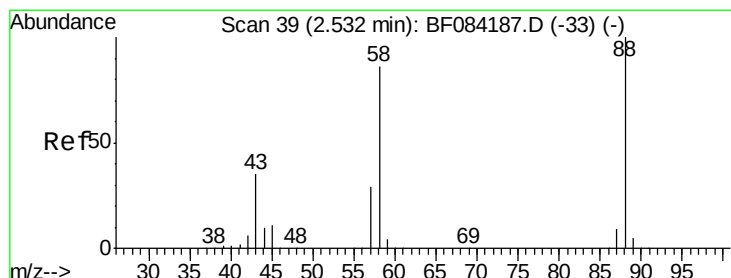
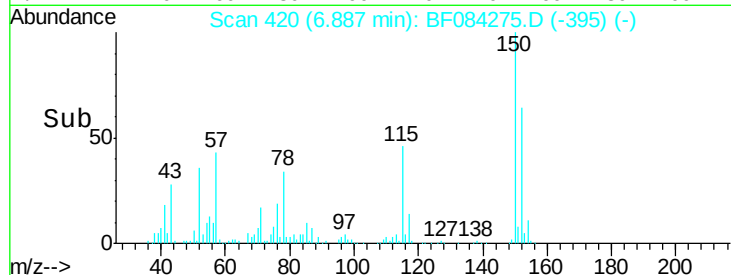
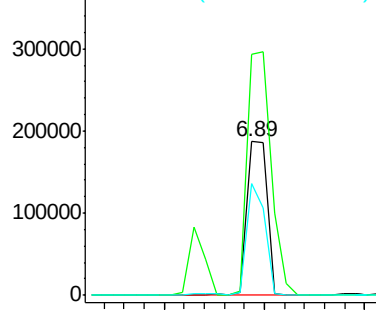


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

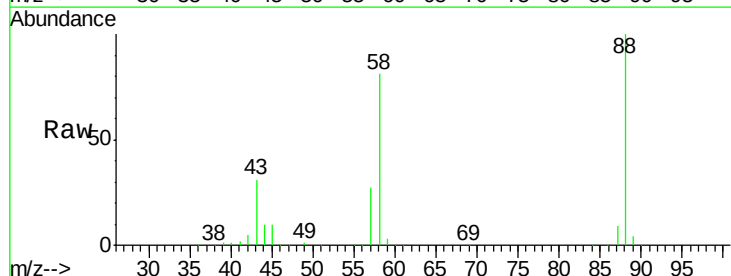
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 39.10 ng
RT: 2.57 min Scan# 42
Delta R.T. 0.03 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.0	51.2	76.8#
43	32.5	19.5	29.3#

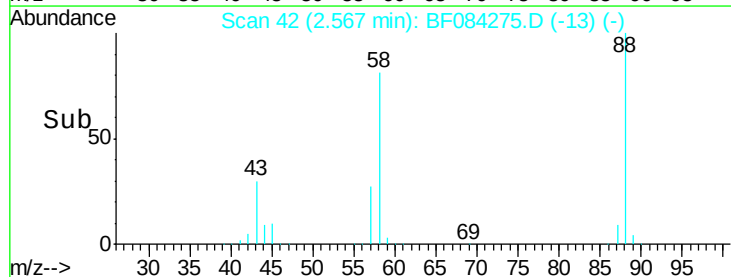
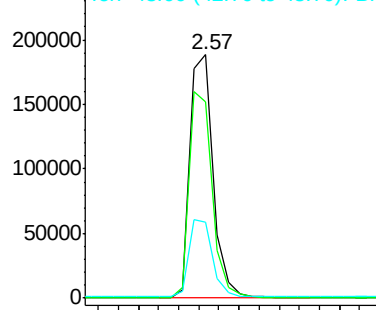


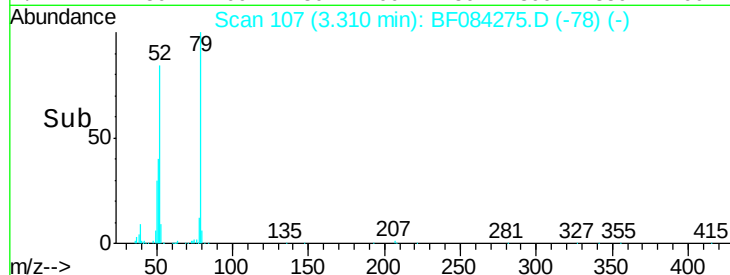
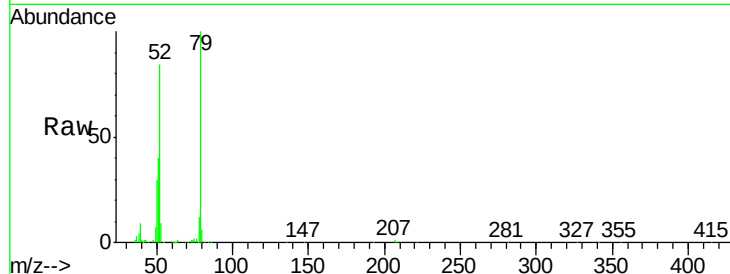
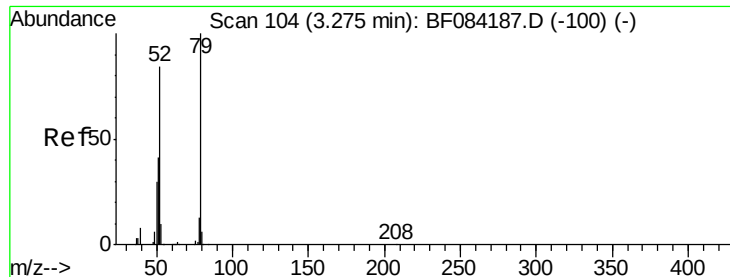
Abundance

Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





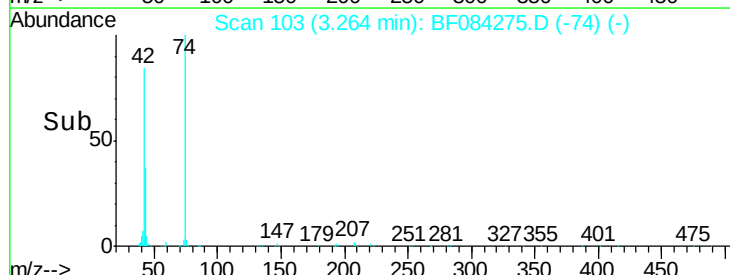
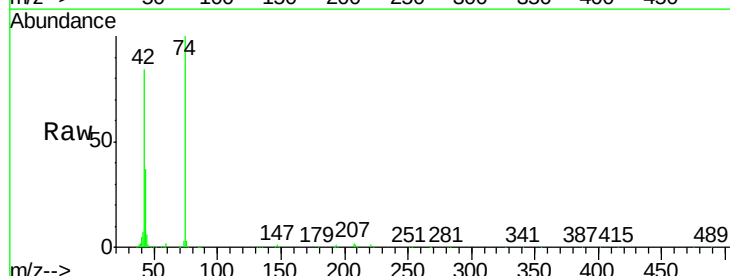
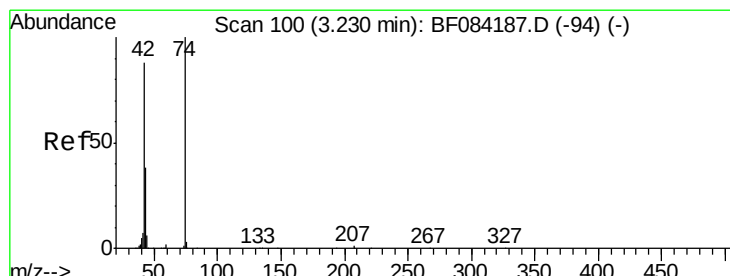
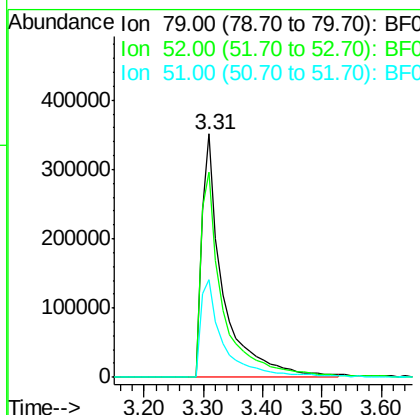
#3
Pvridine
Concen: 40.93 ng
RT: 3.31 min Scan# 107
Delta R.T. 0.03 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.3	49.0	73.4#
51	40.1	25.2	37.8#

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

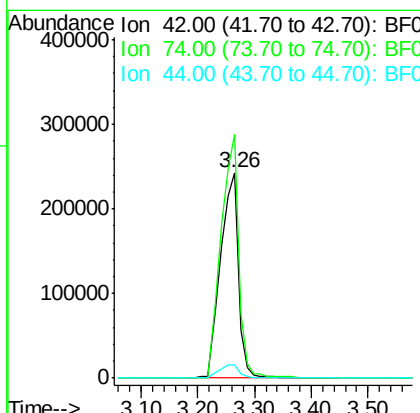
Manual Integrations
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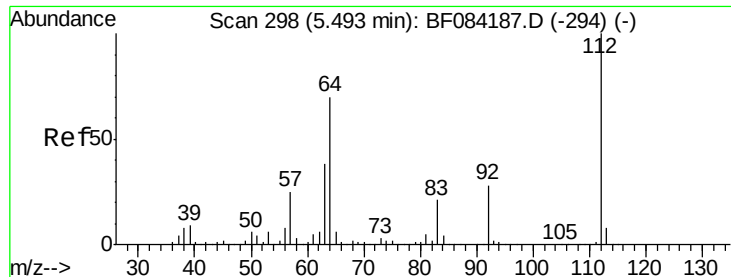
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#4
n-Nitrosodimethylamine
Concen: 48.62 ng
RT: 3.26 min Scan# 103
Delta R.T. 0.03 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
42	100		
74	118.6	115.7	173.5
44	6.7	5.1	7.7





#5

2-Fluorophenol

Concen: 136.89 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

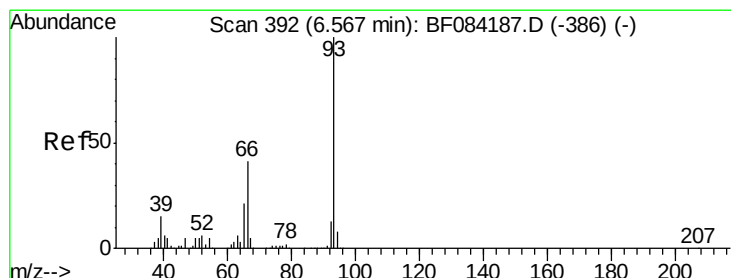
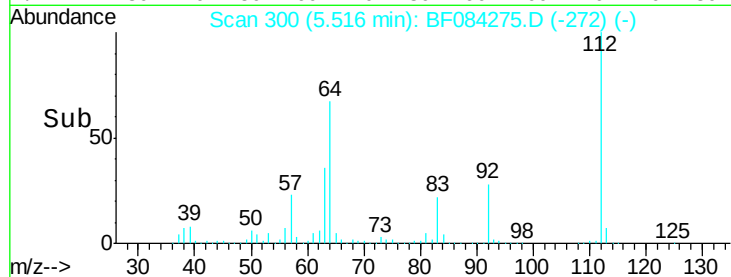
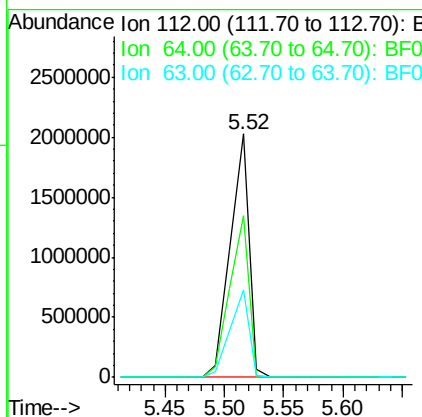
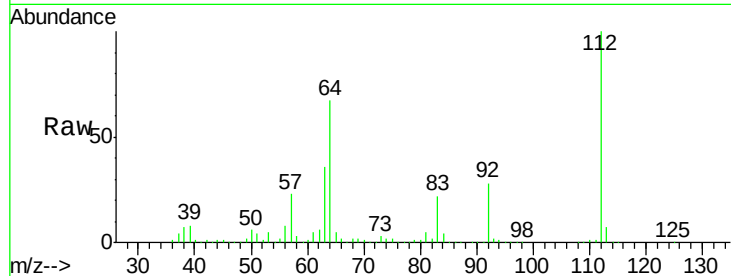
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	112	Resp:	2232434
Ion Ratio	Lower	Upper	
112	100		
64	66.6	36.6	55.0#
63	36.0	19.4	29.0#

Manual Integrations
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#6

Aniline

Concen: 28.47 ng

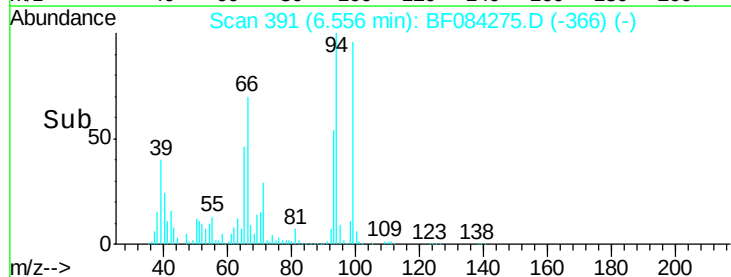
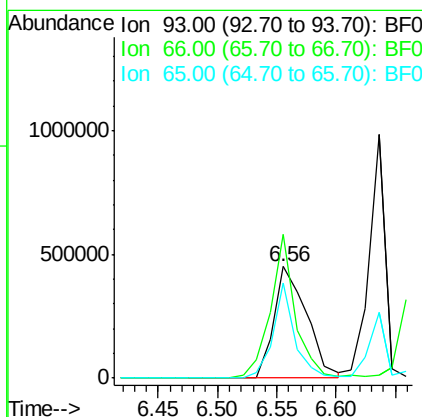
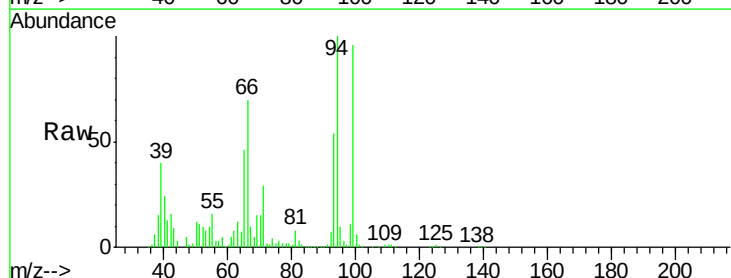
RT: 6.56 min Scan# 391

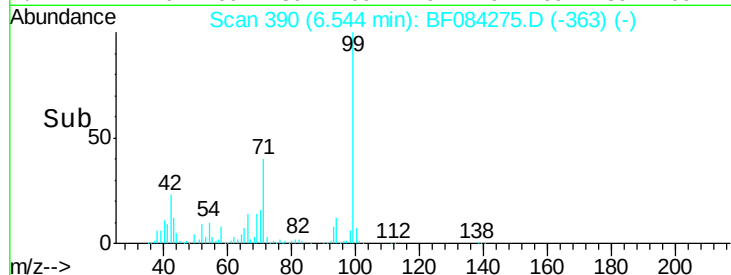
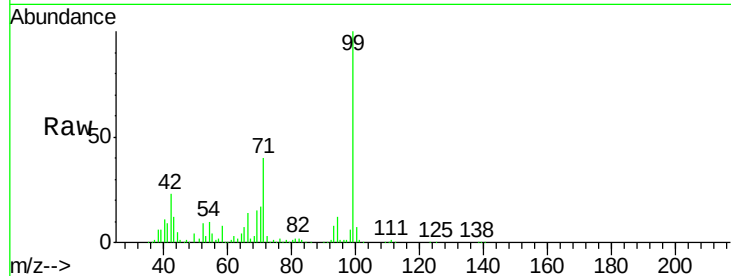
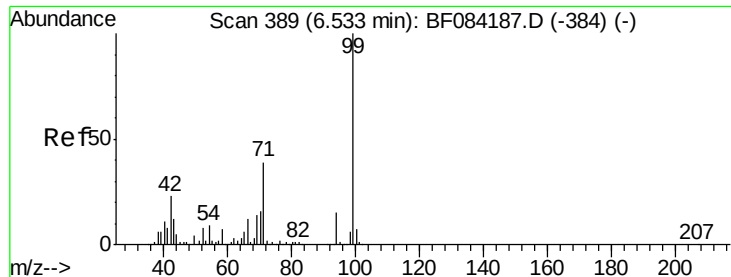
Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	93	Resp:	852899
Ion Ratio	Lower	Upper	
93	100		
66	129.3	44.9	67.3#
65	85.2	23.7	35.5#





#7

Phenol-d6

Concen: 136.60 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tot Ion:	99	Resp:	2797857
Ion	Ratio	Lower	Upper
99	100		
42	23.3	12.8	19.2#
71	39.8	30.9	46.3

Instrument :

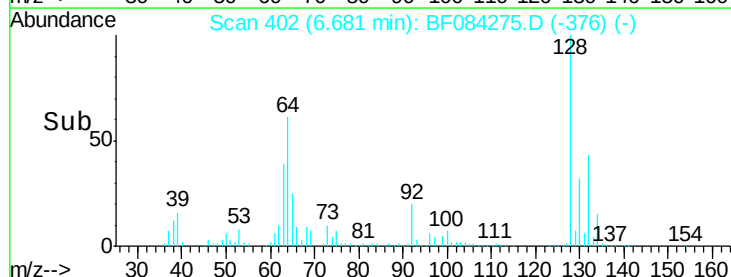
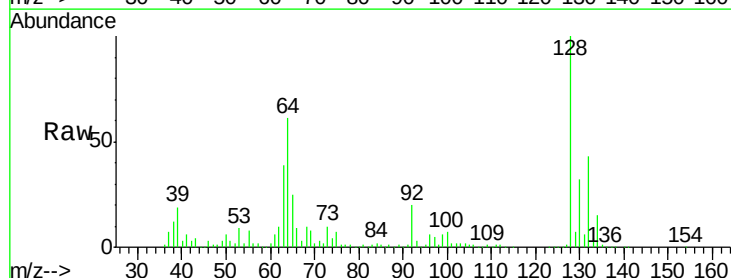
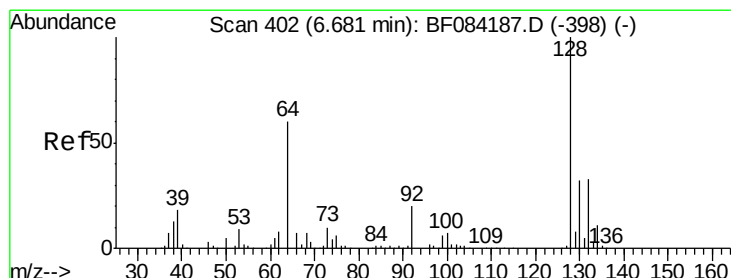
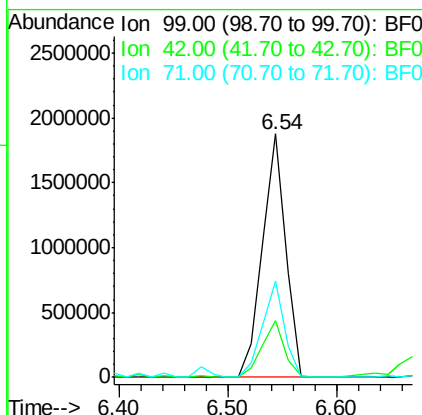
BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Manual Integrations
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#8

2-Chlorophenol

Concen: 47.16 ng

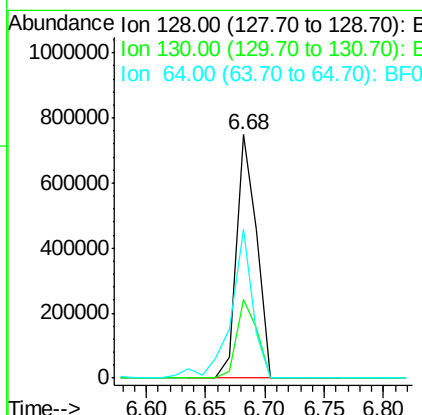
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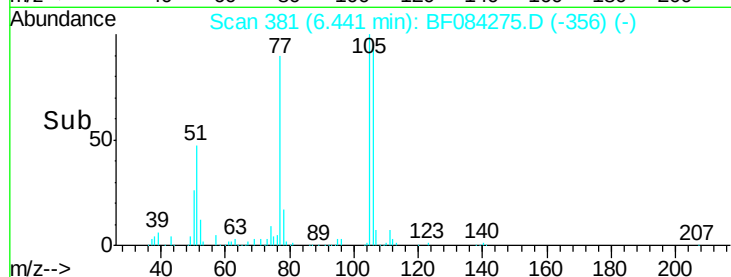
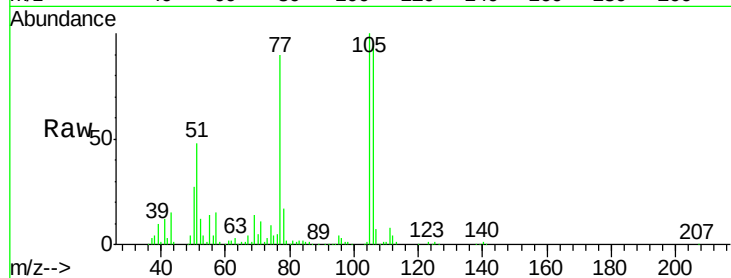
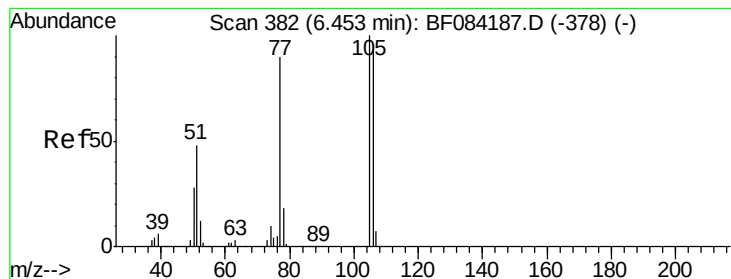
Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	128	Resp:	872515
Ion	Ratio	Lower	Upper
128	100		
130	32.1	11.6	51.6
64	61.2	23.8	63.8





#9

Benzaldehyde

Concen: 25.72 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tot Ion	Ratio	Lower	Upper
77	100		
105	110.7	83.0	123.0
106	104.8	74.6	114.6

Instrument :

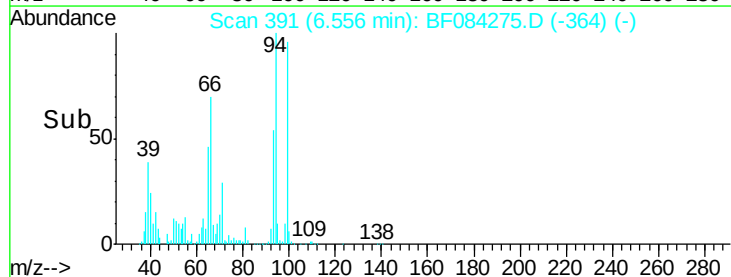
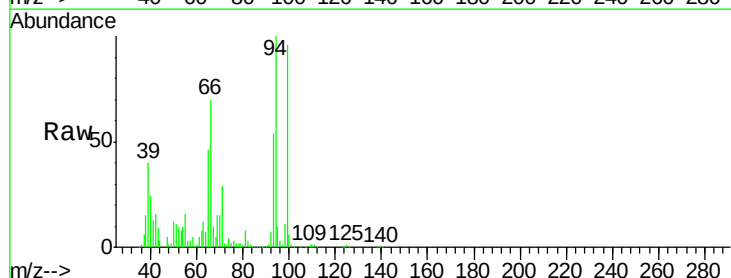
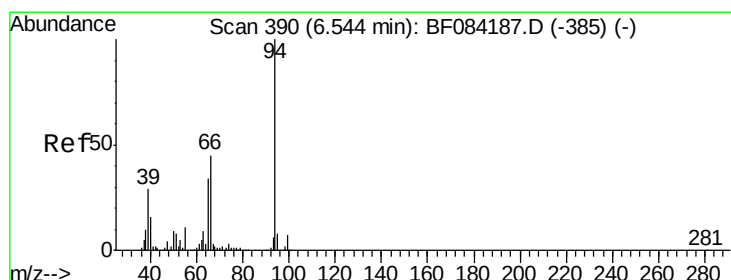
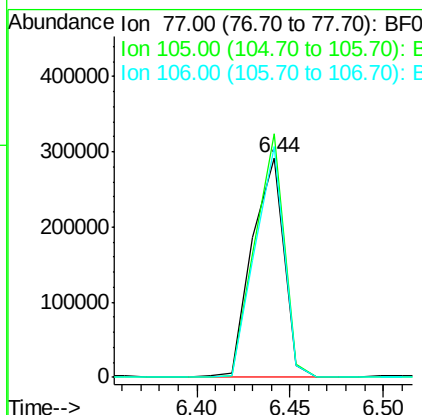
BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Manual Integrations
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#10

Phenol

Concen: 40.22 ng

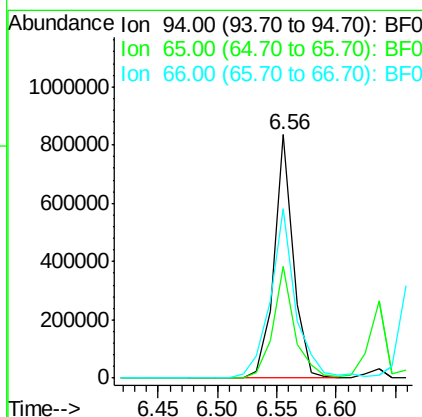
RT: 6.56 min Scan# 391

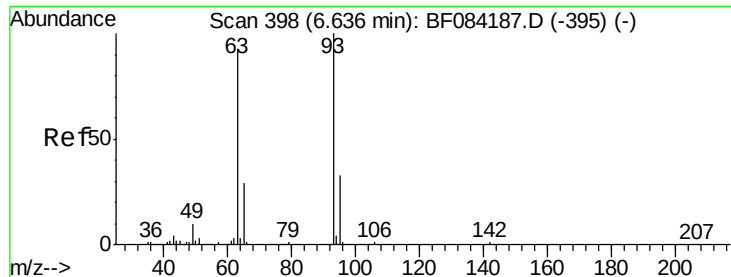
Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
94	100		
65	45.9	12.9	52.9
66	69.7	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 49.83 ng

RT: 6.64 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

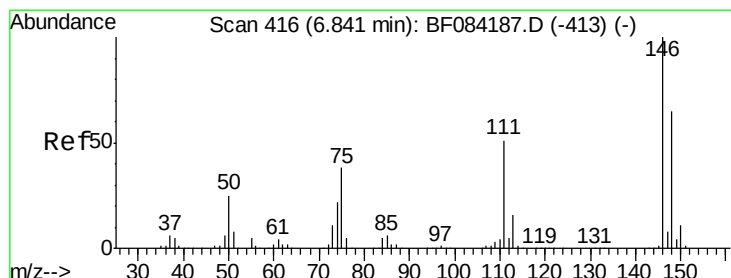
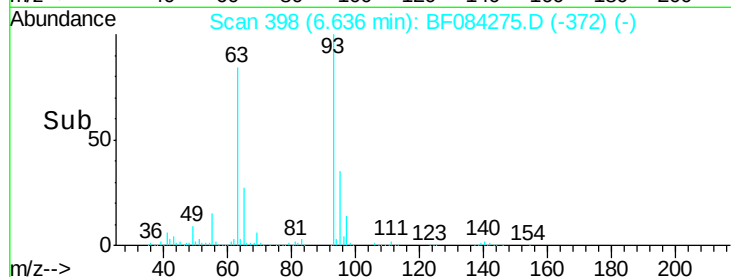
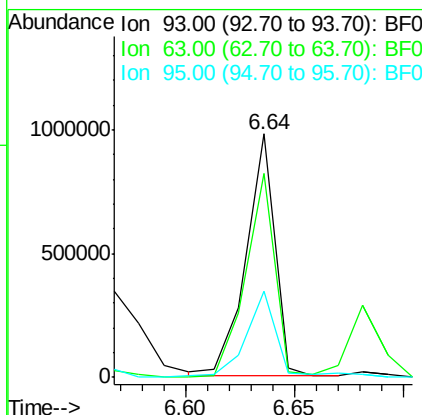
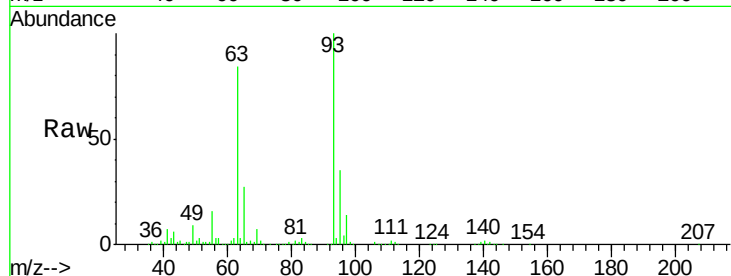
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		898976		
63	84.0		45.9	85.9	
95	35.3		12.3	52.3	

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#12

1,3-Dichlorobenzene

Concen: 44.09 ng m

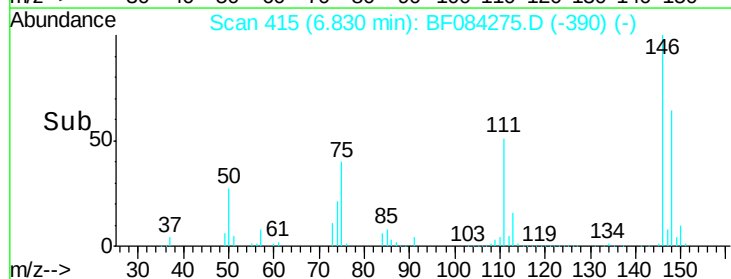
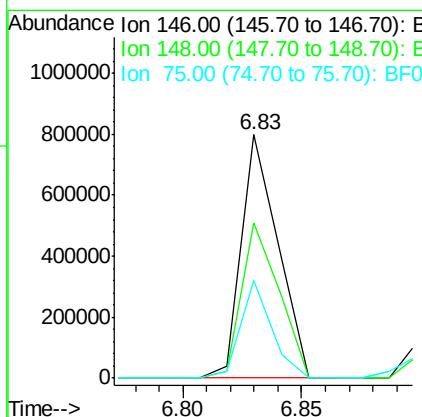
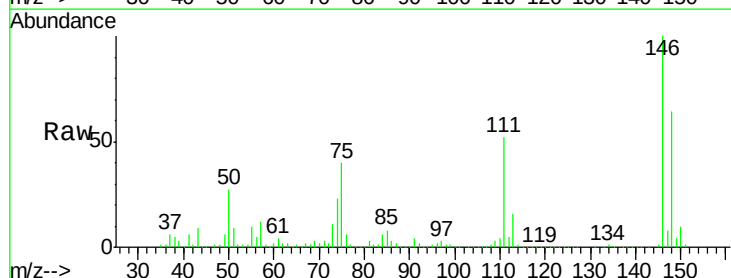
RT: 6.83 min Scan# 415

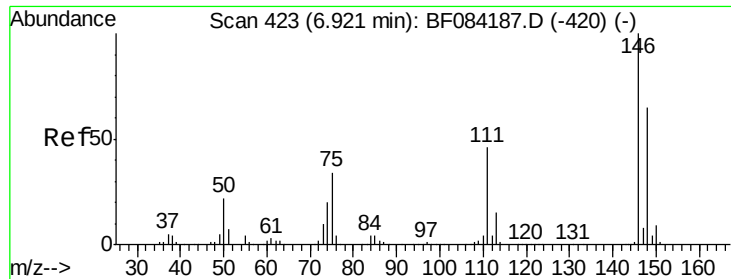
Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		841564		
148	63.6		51.9	77.9	
75	40.2		20.5	30.7#	





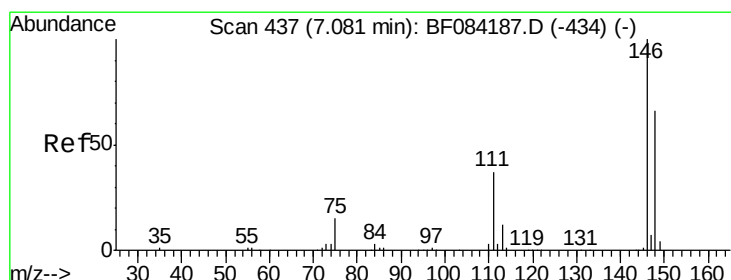
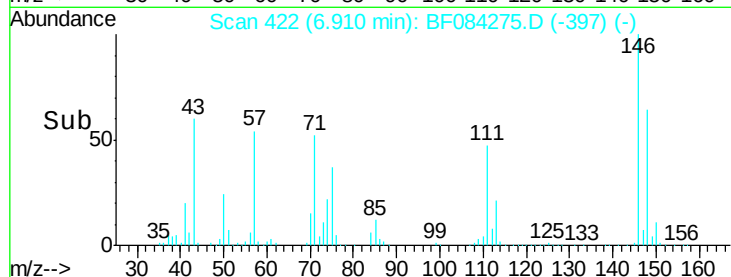
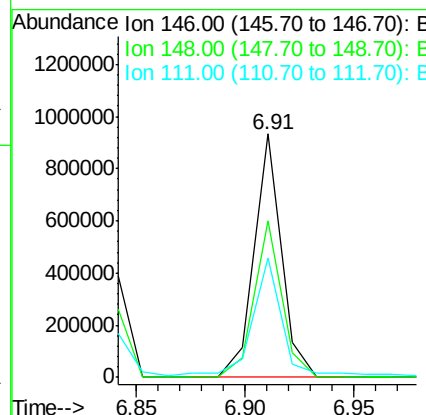
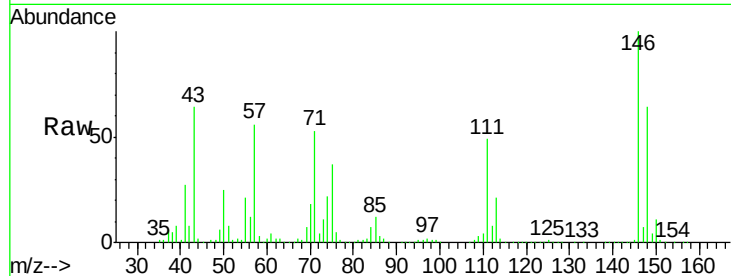
#13
 1,4-Dichlorobenzene
 Concen: 42.45 ng
 RT: 6.91 min Scan# 422
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.9	77.9
111	49.0	41.6	62.4

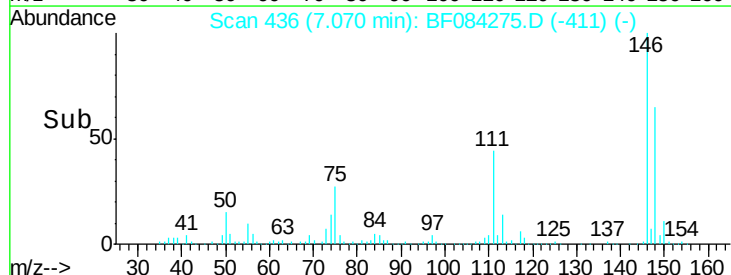
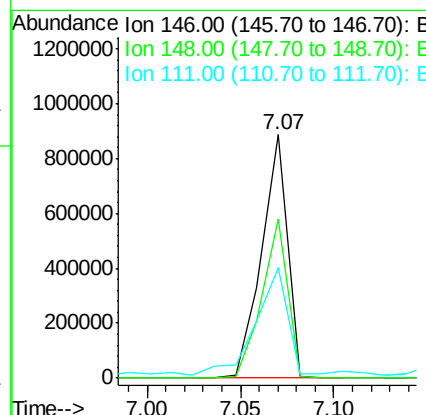
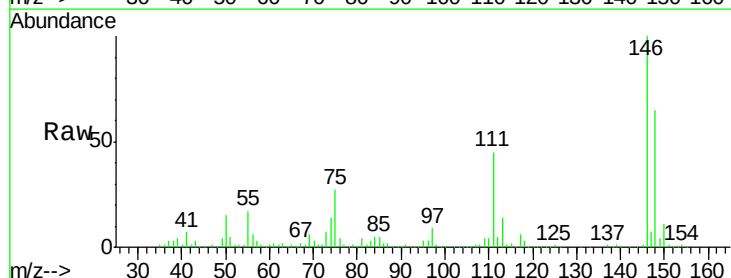
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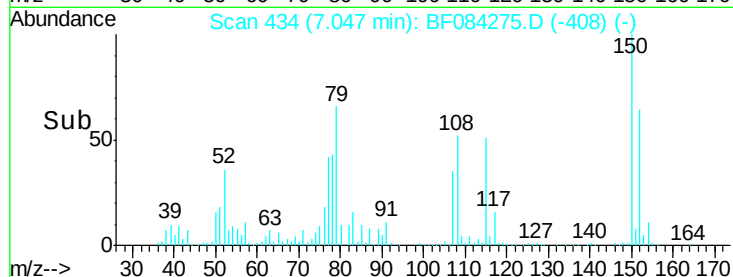
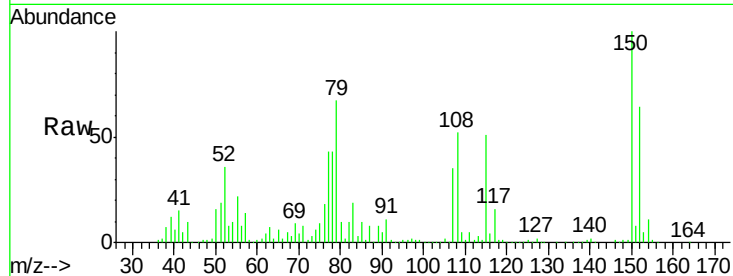
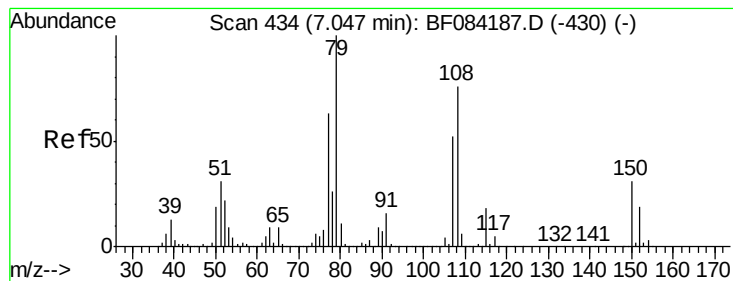
MMdadoda
 1/5/2016 6:50:06 PM



#14
 1,2-Dichlorobenzene
 Concen: 46.18 ng
 RT: 7.07 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.6	77.4
111	45.2	38.0	57.0





#15

Benzyl Alcohol

Concen: 49.60 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF084275.D

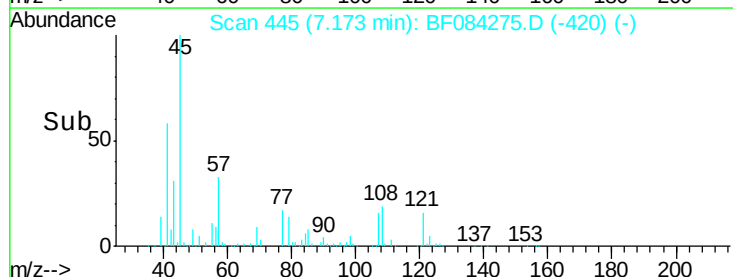
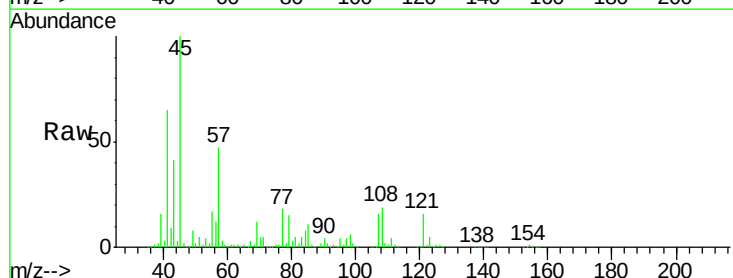
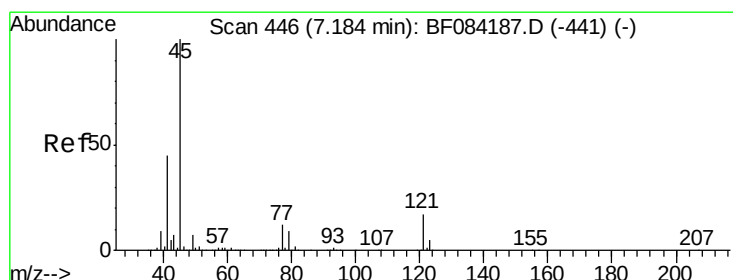
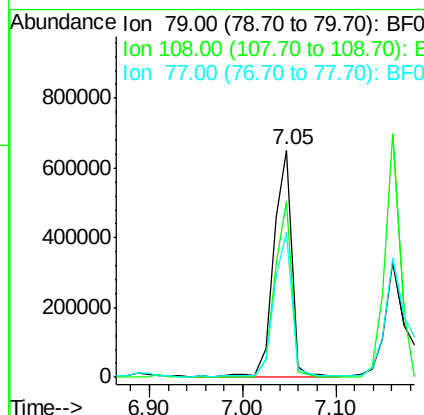
Acq: 5 Jan 2016 9:39

Tot Ion:	79	Resp:	854536
Ion Ratio	Lower	Upper	
79	100		
108	77.6	69.0	103.4
77	64.0	50.0	75.0

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.15 ng

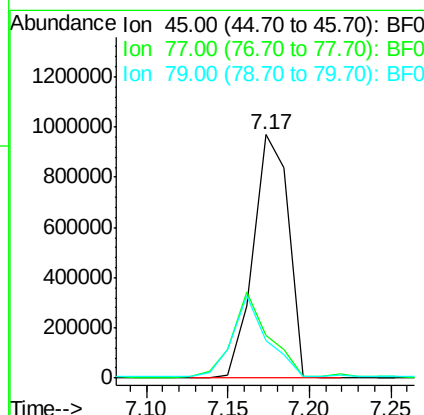
RT: 7.17 min Scan# 445

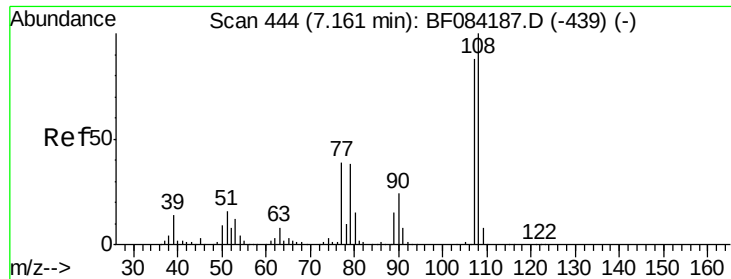
Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	45	Resp:	1450263
Ion Ratio	Lower	Upper	
45	100		
77	17.7	0.0	39.6
79	15.3	0.0	35.0





#17

2-Methylphenol

Concen: 43.84 ng/ml

RT: 7.16 min Scan# 444

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:107 Resp: 679798

Ion Ratio Lower Upper

107 100

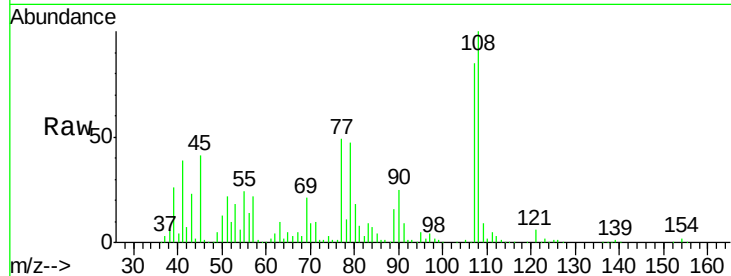
108 118.2 89.8 134.6

77 58.3 35.7 53.5#

79 55.9 35.7 53.5#

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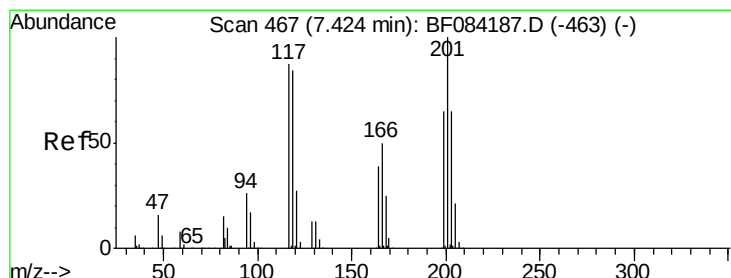
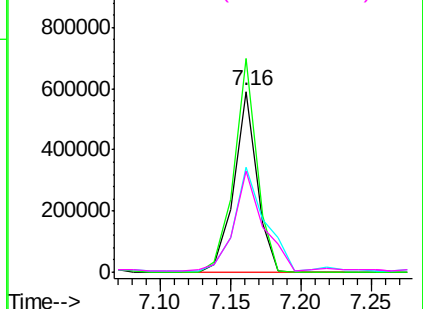
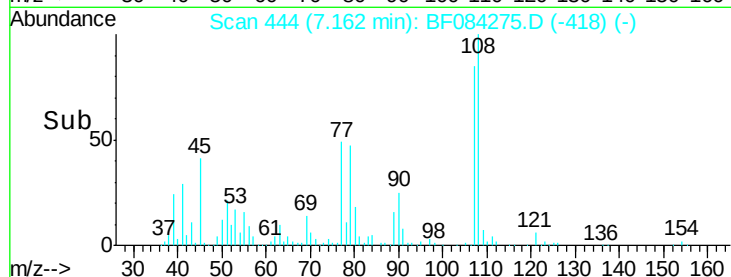


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 55.83 ng/ml

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

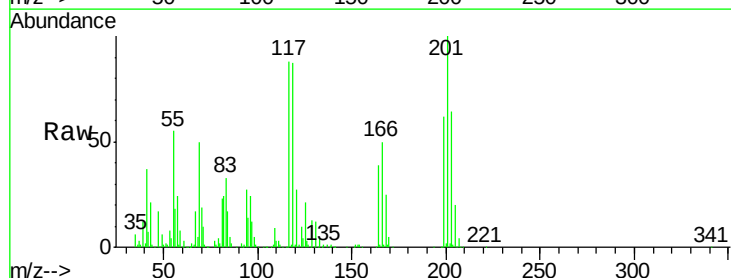
Tgt Ion:117 Resp: 427301

Ion Ratio Lower Upper

117 100

119 98.5 77.4 116.0

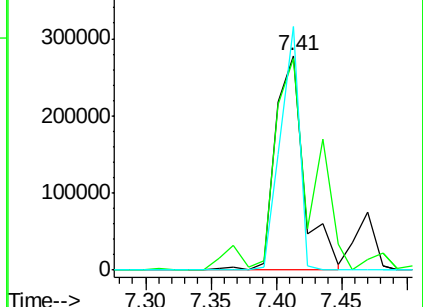
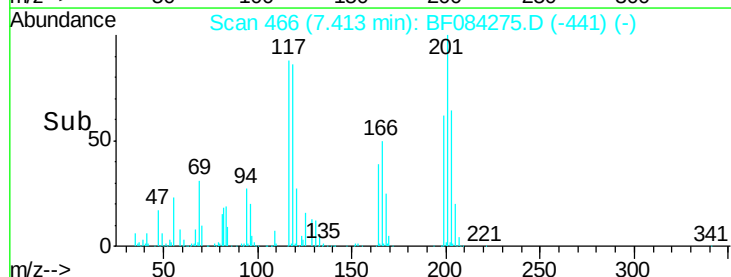
201 113.6 68.6 103.0#

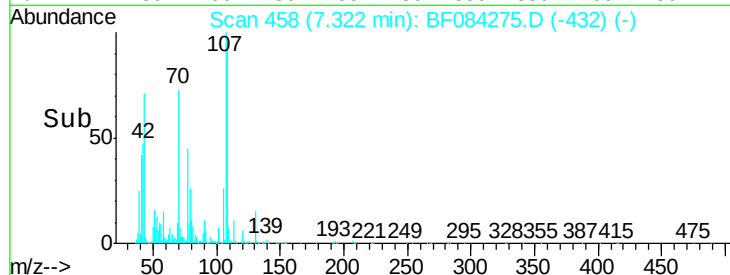
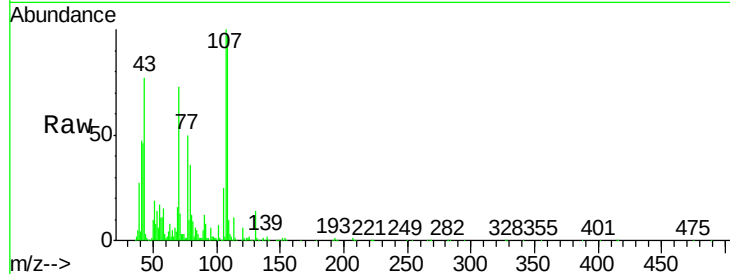
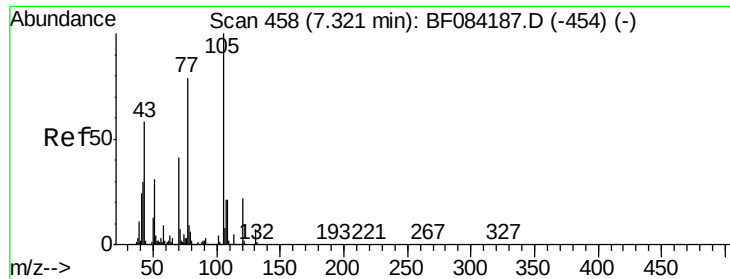


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





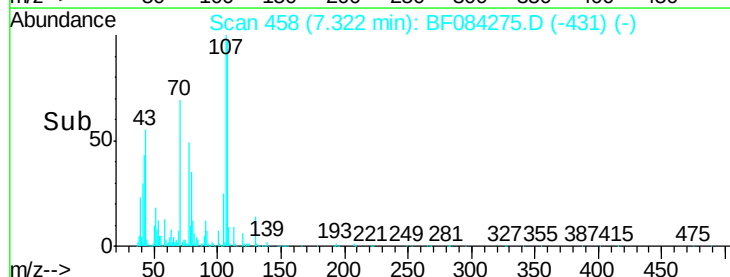
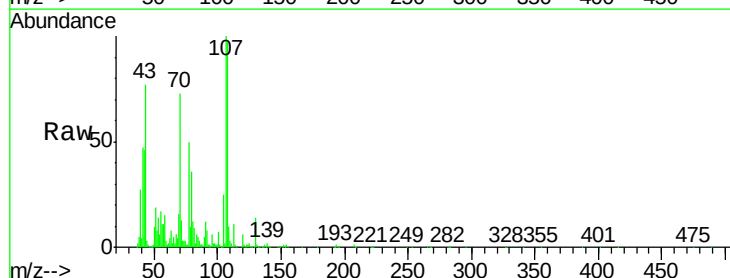
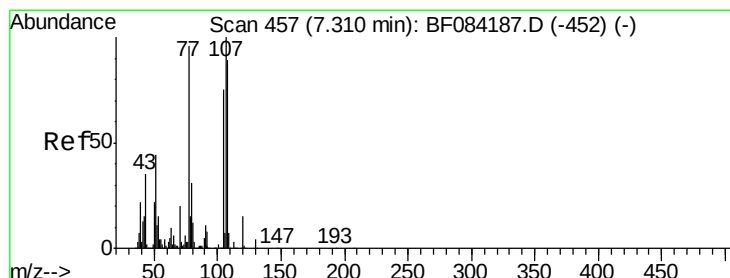
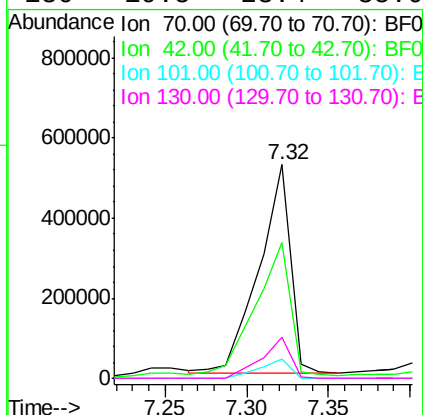
#19
n-Nitroso-di-n-propylamine
Concen: 50.33 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.7	33.3	49.9#
101	8.9	9.3	13.9#
130	19.5	23.4	35.0#

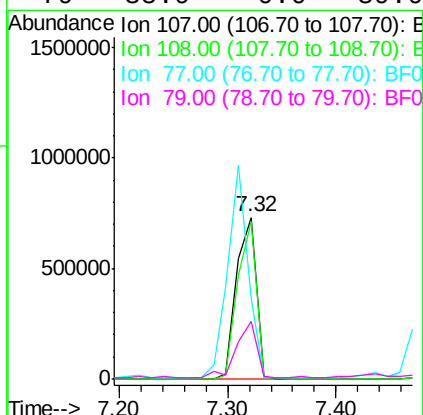
Manual Integrations
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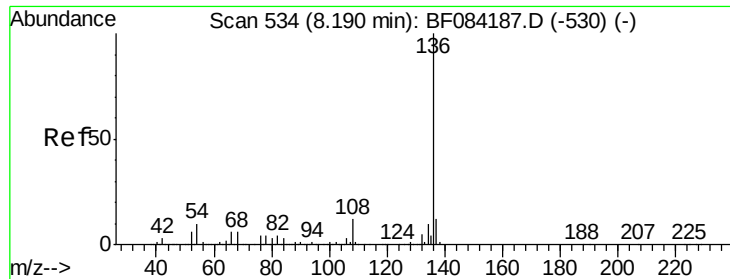
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#20
3+4-Methylphenols
Concen: 49.50 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.5	74.6	114.6
77	49.9	0.7	40.7#
79	35.9	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

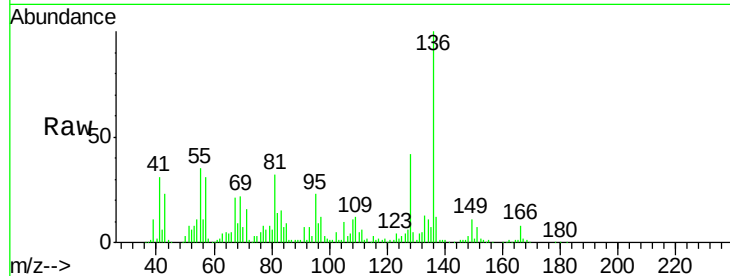
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	914894		
137	12.4	8.7	13.1	
54	10.7	5.8	8.8#	
68	9.0	4.2	6.2#	

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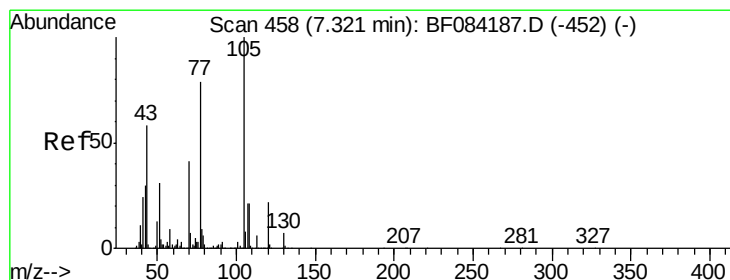
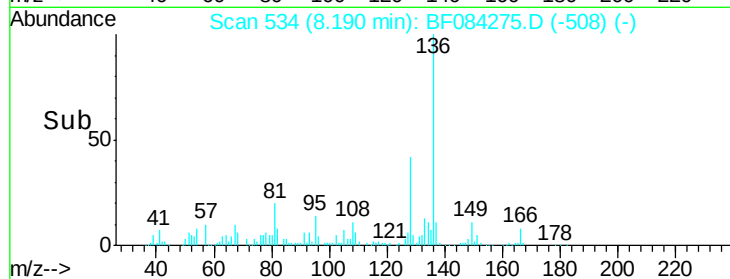
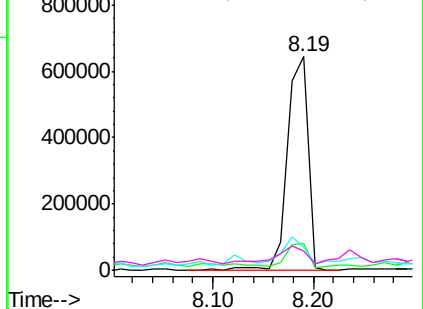


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 53.96 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

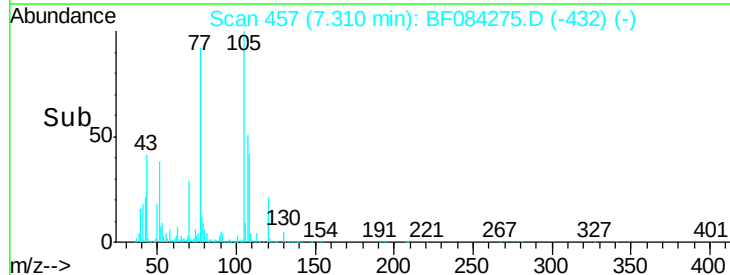
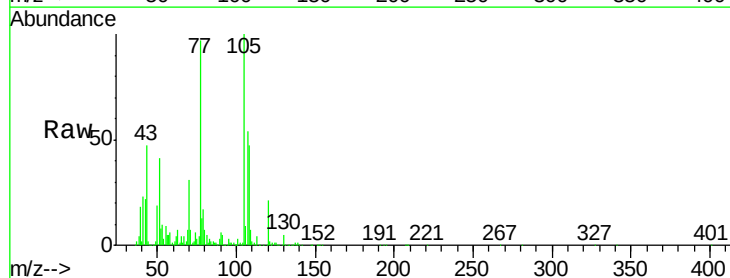
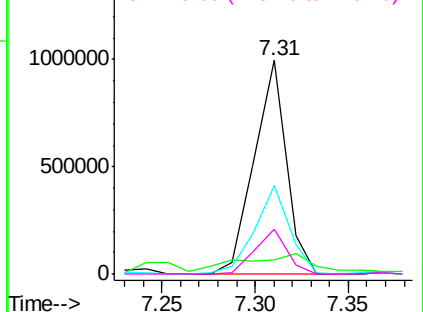
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1187187		
71	6.6	3.7	5.5#	
51	41.1	25.1	37.7#	
120	20.8	16.6	25.0	

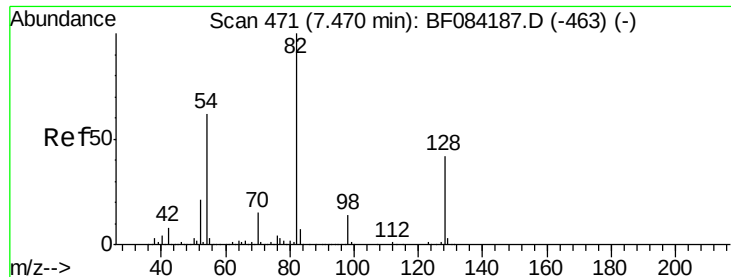
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





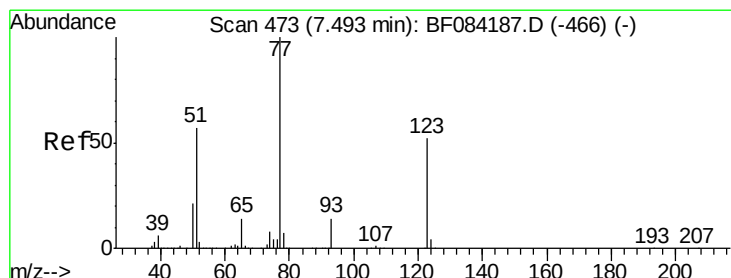
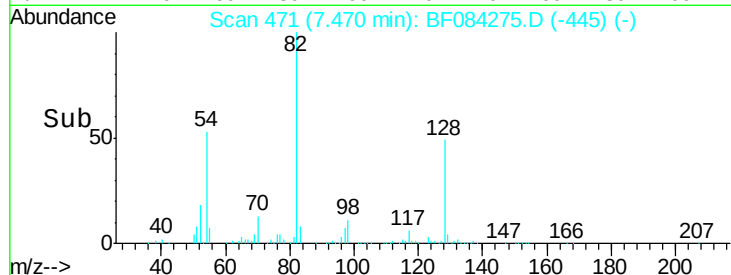
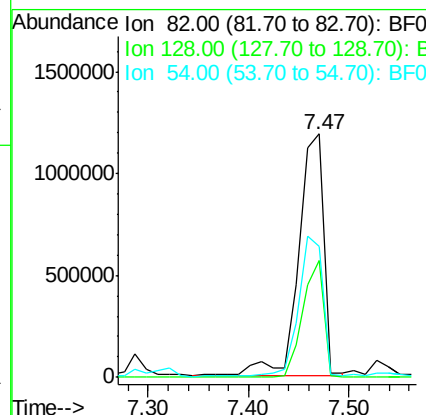
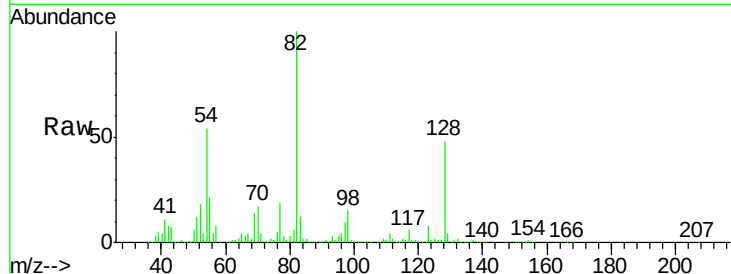
#23
 Nitrobenzene-d5
 Concen: 124.05 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

Tot Ion	82	Resp	2039140
Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.6	51.8
54	54.0	38.4	57.6

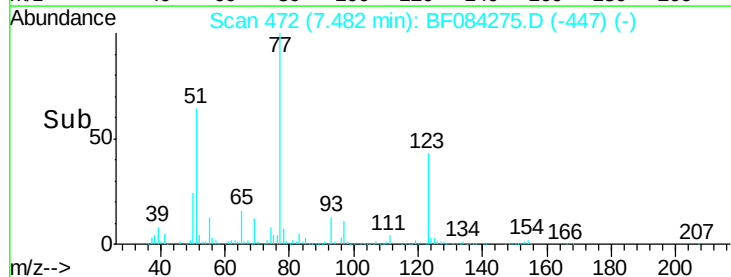
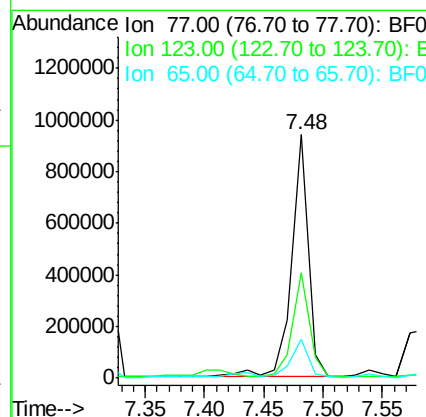
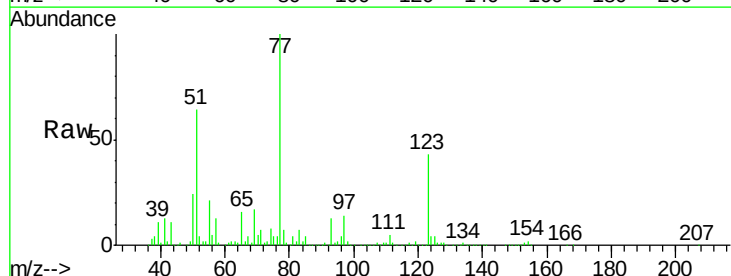
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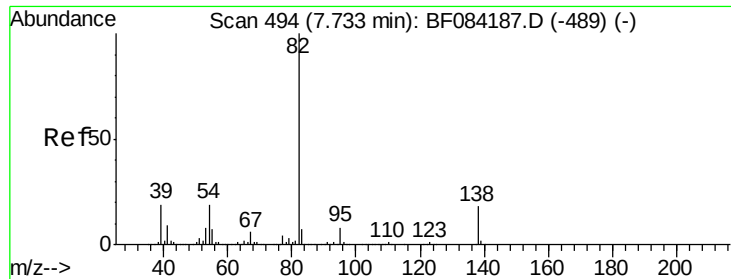
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#24
 Nitrobenzene
 Concen: 54.36 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Tgt Ion	77	Resp	906267
Ion	Ratio	Lower	Upper
77	100		
123	43.2	37.4	56.2
65	15.8	10.9	16.3





#25

Isophorone

Concen: 56.53 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion: 82 Resp: 1777137

Ion Ratio Lower Upper

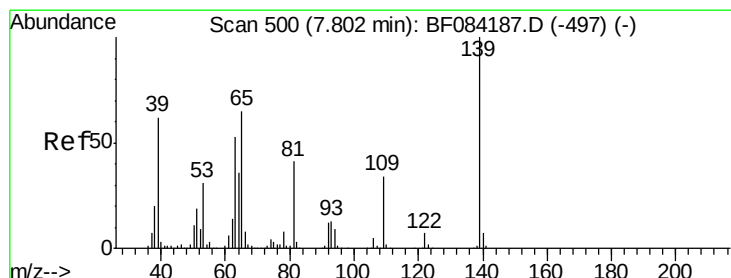
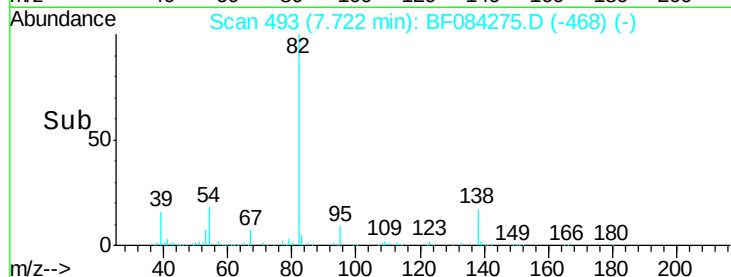
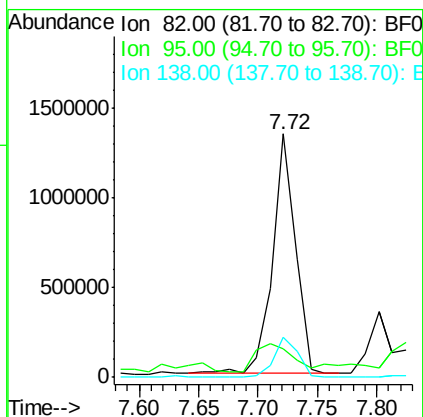
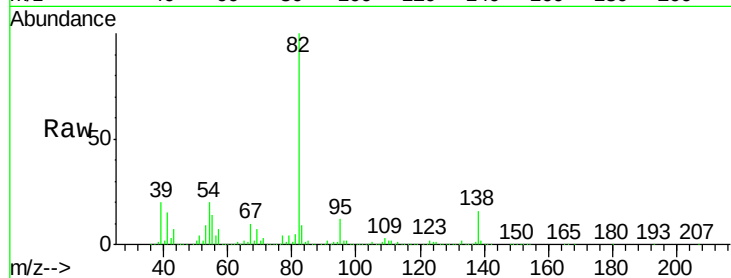
82 100

95 11.6 6.6 10.0#

138 16.3 13.6 20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 62.51 ng

RT: 7.80 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

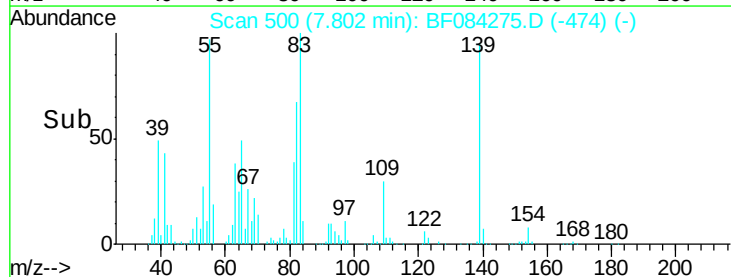
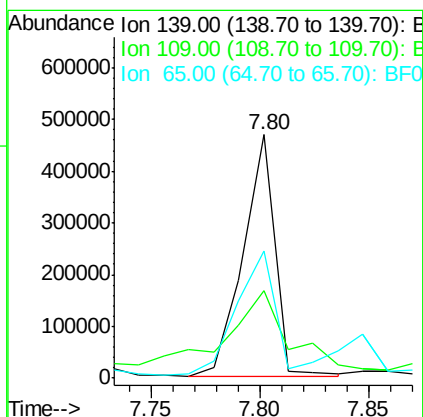
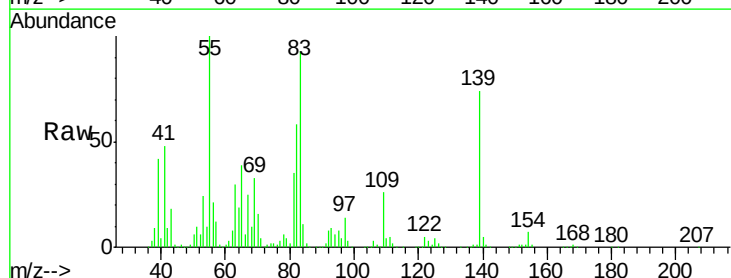
Tgt Ion: 139 Resp: 474314

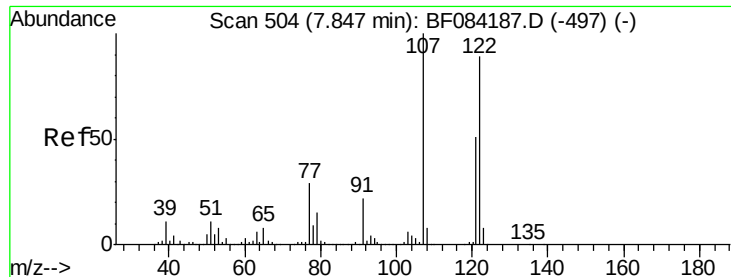
Ion Ratio Lower Upper

139 100

109 35.7 25.4 38.2

65 52.2 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 50.69 ng

RT: 7.85 min Scan# 504

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

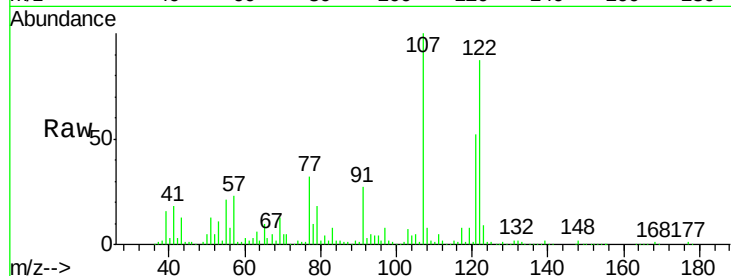
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	122	Resp:	778545
Ion Ratio	Lower	Upper	
122	100		
107	114.4	99.1	148.7
121	59.0	47.9	71.9

Manual Integrations
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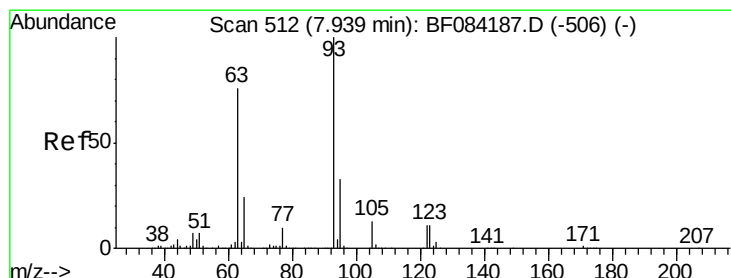
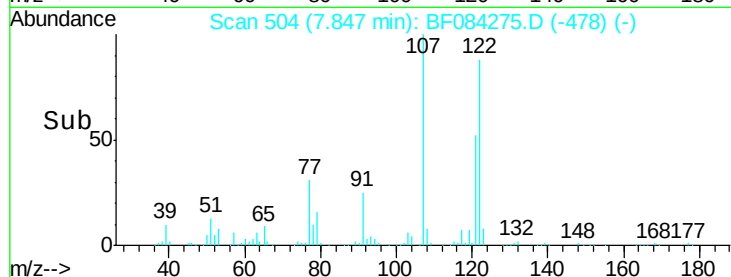
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

7.85

Time-->



#28

bis(2-Chloroethoxy)methane

Concen: 56.09 ng

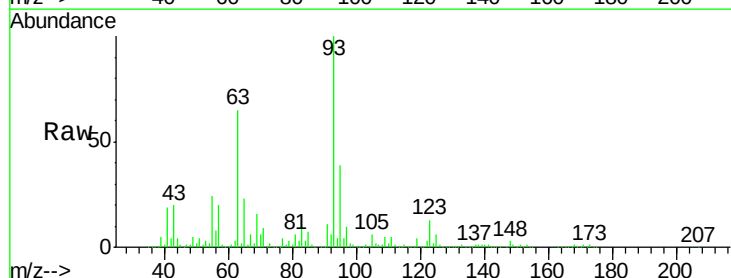
RT: 7.94 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	93	Resp:	1077159
Ion Ratio	Lower	Upper	
93	100		
95	38.9	25.8	38.6#
123	13.2	8.6	12.8#



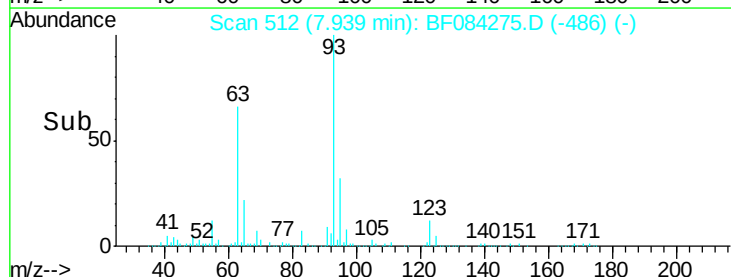
Abundance Ion 93.00 (92.70 to 93.70): BF0

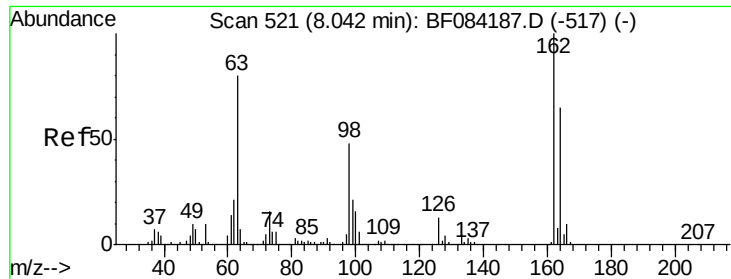
Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

7.94

Time-->





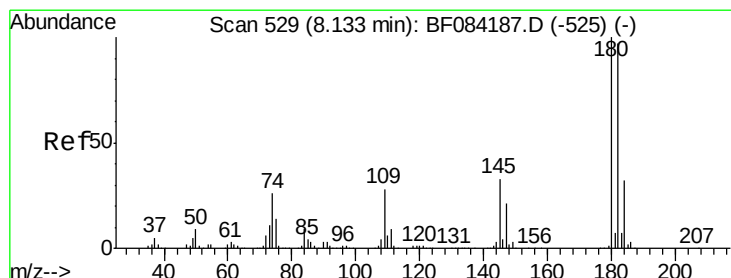
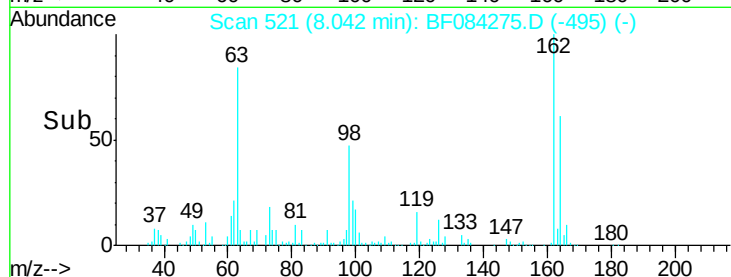
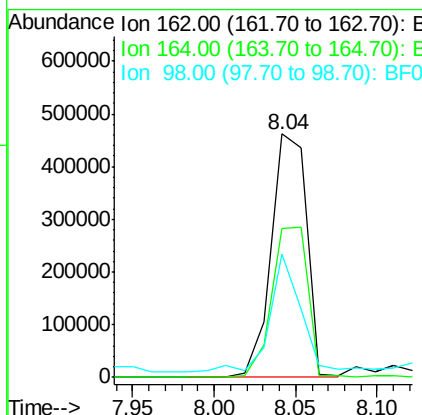
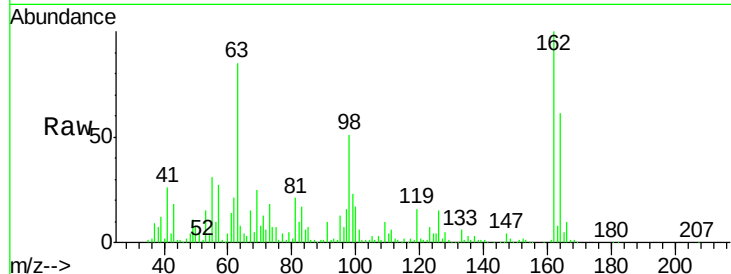
#29
 2,4-Dichlorophenol
 Concen: 54.73 ng
 RT: 8.04 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	61.2	44.1	84.1
98	50.8	20.2	60.2

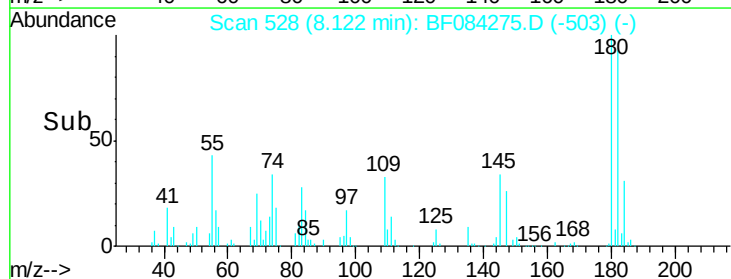
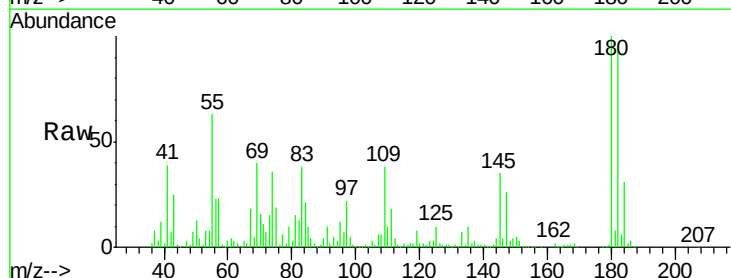
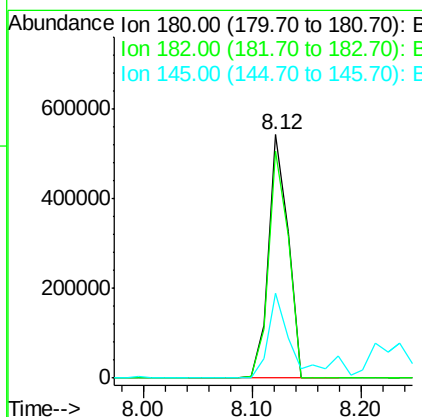
Manual Integrations
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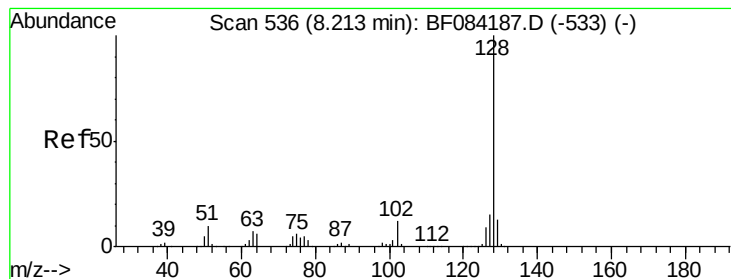
MMdadoda
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#30
 1,2,4-Trichlorobenzene
 Concen: 51.71 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.1	76.4	114.6
145	34.8	31.6	47.4





#31

Naphthalene

Concen: 58.31 ng

RT: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

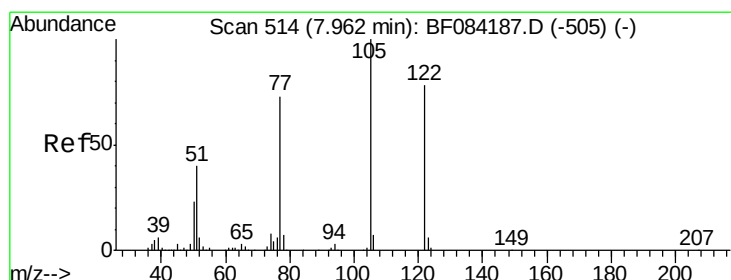
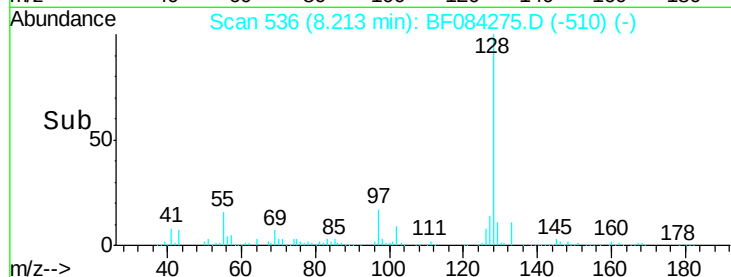
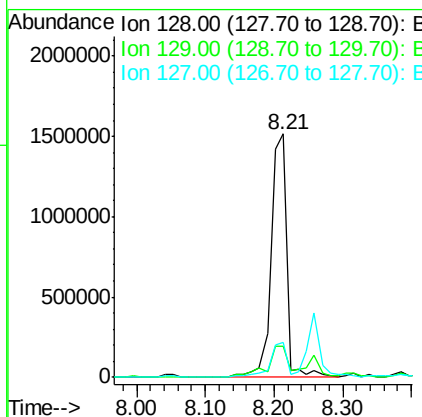
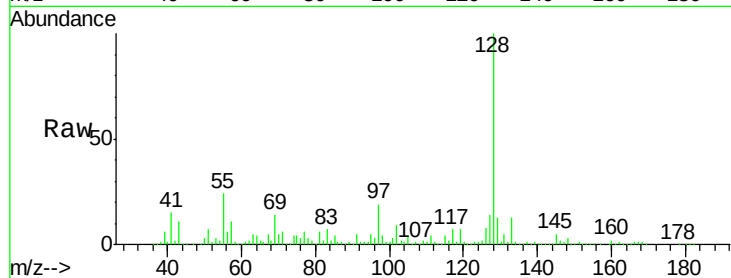
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	128	Resp:	2420196
Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.1	13.7
127	14.4	11.1	16.7

Manual Integrations
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#32

Benzoic acid

Concen: 16.66 ng m

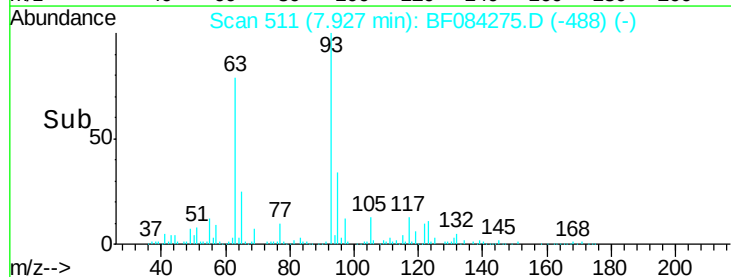
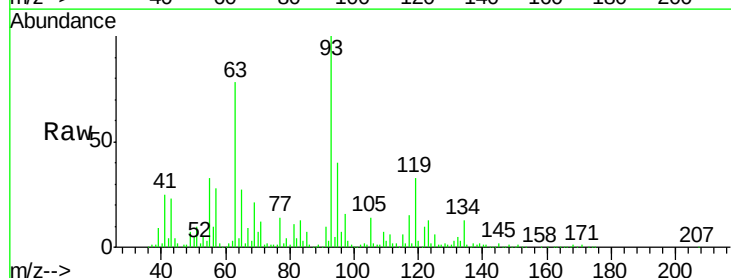
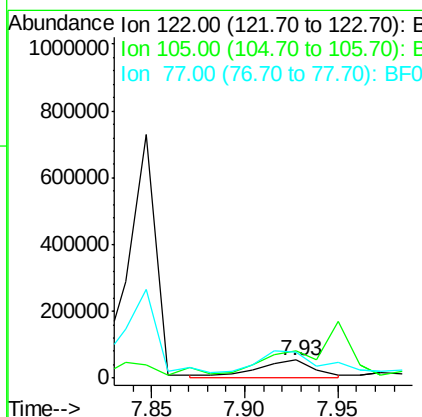
RT: 7.93 min Scan# 511

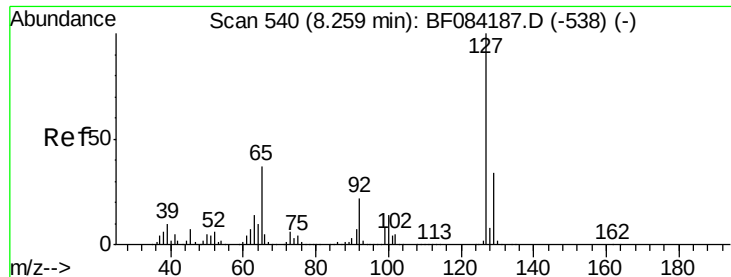
Delta R.T. -0.03 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	122	Resp:	118239
Ion	Ratio	Lower	Upper
122	100		
105	147.9	100.3	140.3#
77	145.7	63.5	103.5#





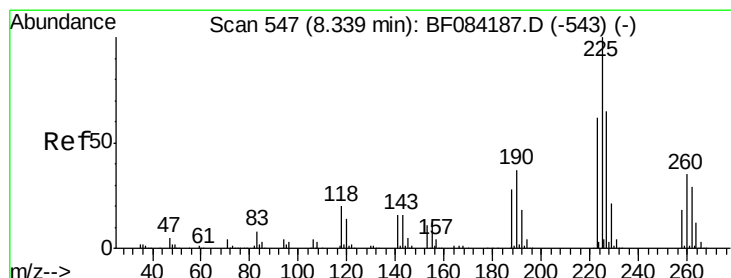
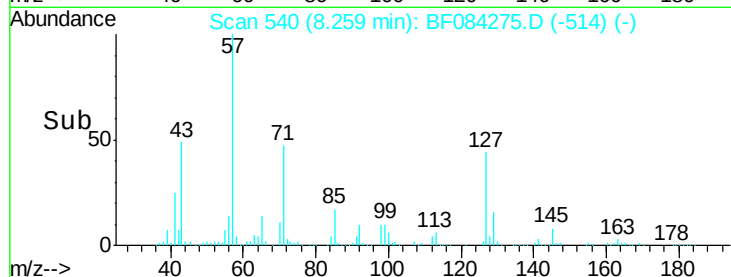
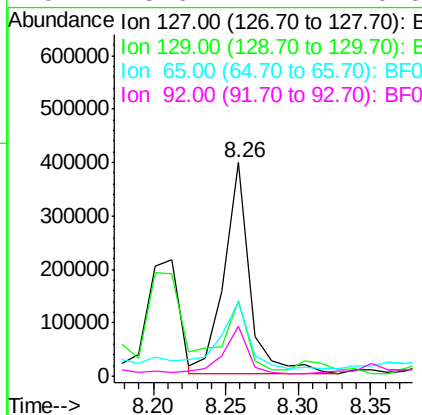
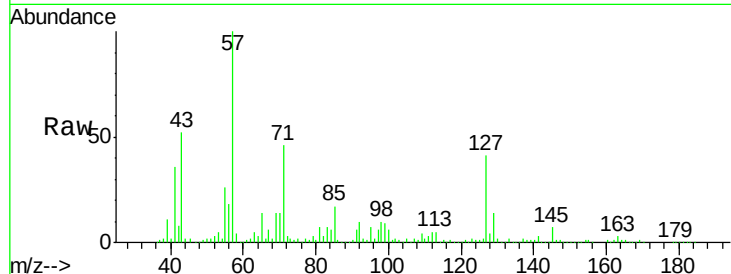
#33
4-Chloroaniline
Concen: 25.40 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		483373		
129	35.2	26.5	39.7		
65	34.6	27.2	40.8		
92	23.6	17.7	26.5		

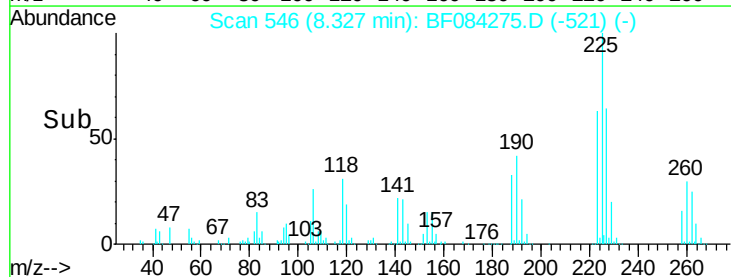
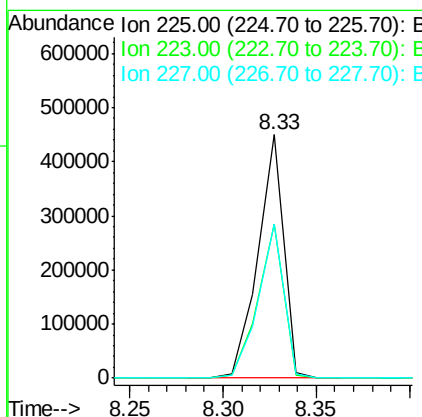
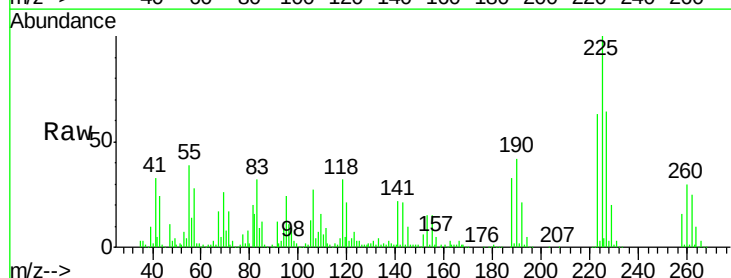
Manual Integrations
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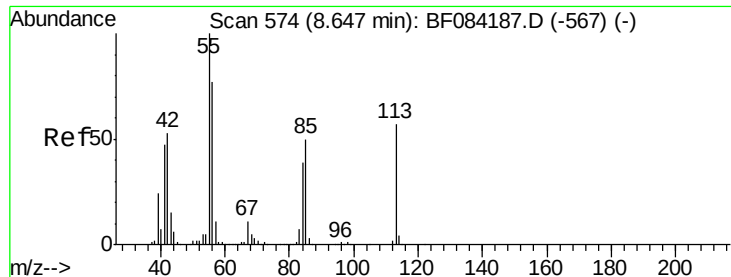
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#34
Hexachlorobutadiene
Concen: 56.34 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		427759		
223	63.3	49.4	74.0		
227	63.5	50.8	76.2		





#35

Caprolactam

Concen: 97.77 ng

RT: 8.61 min Scan# 571

Delta R.T. -0.03 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

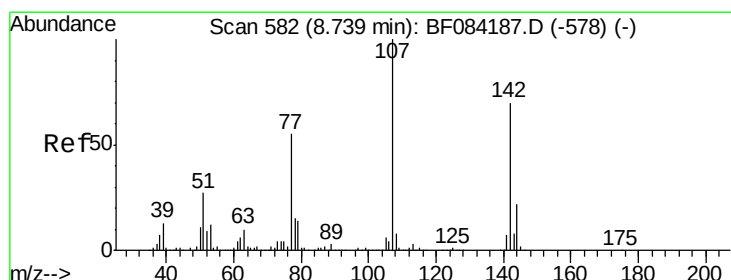
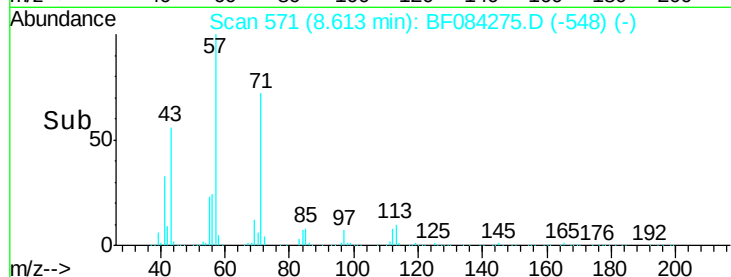
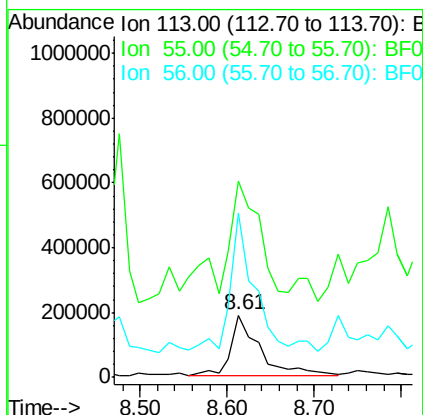
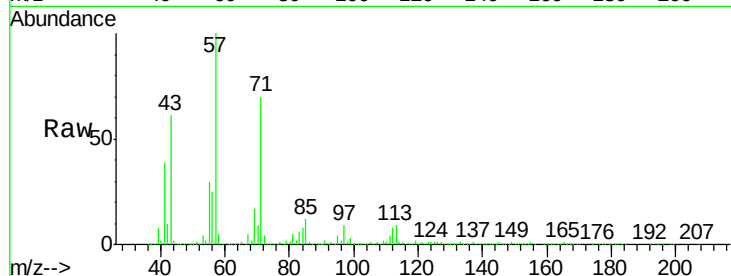
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	113	Resp:	421701
Ion Ratio	Lower	Upper	
113	100		
55	315.7	116.9	156.9#
56	265.8	93.8	133.8#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 51.01 ng

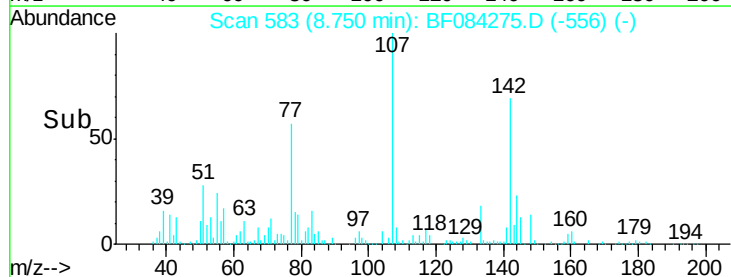
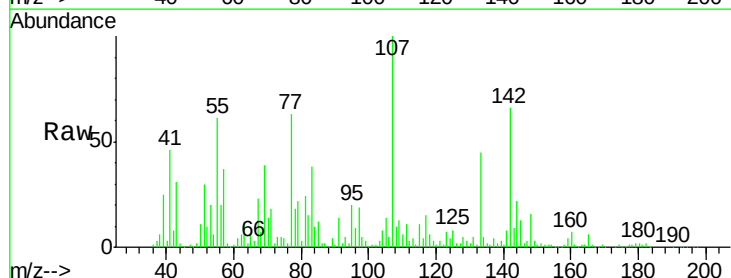
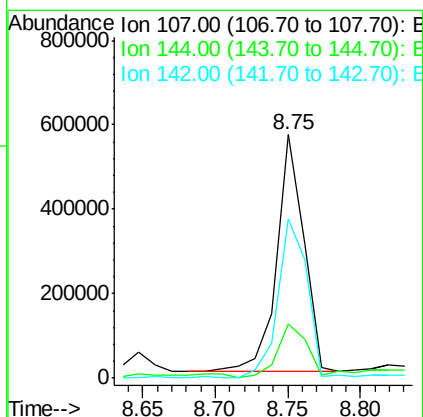
RT: 8.75 min Scan# 583

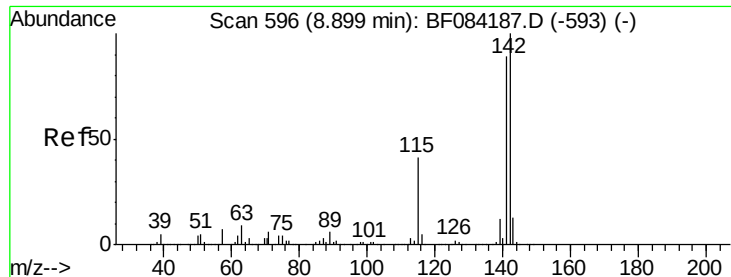
Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	107	Resp:	731006
Ion Ratio	Lower	Upper	
107	100		
144	22.1	19.7	29.5
142	65.5	61.8	92.6





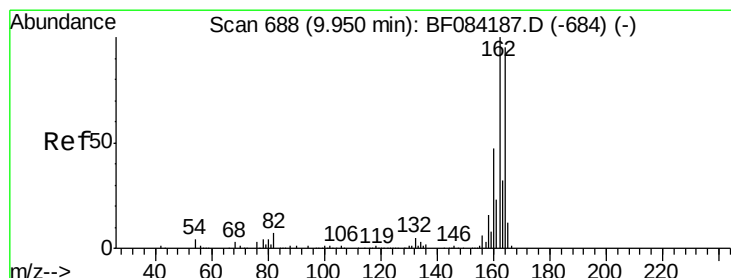
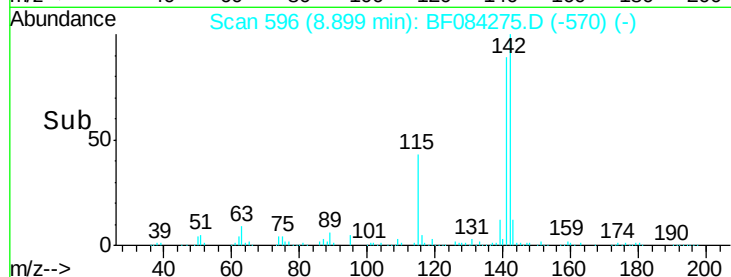
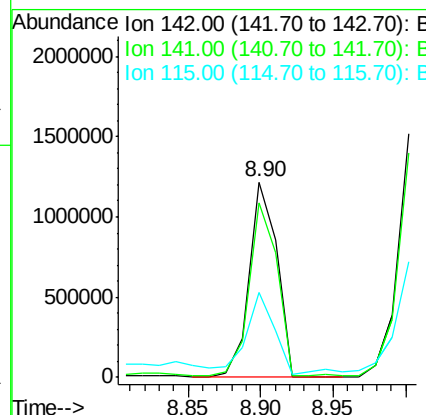
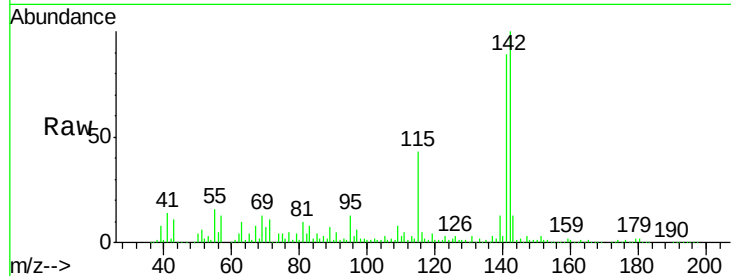
#37
2-Methylnaphthalene
Concen: 54.14 ng
RT: 8.90 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.4	108.6
115	43.4	27.9	41.9

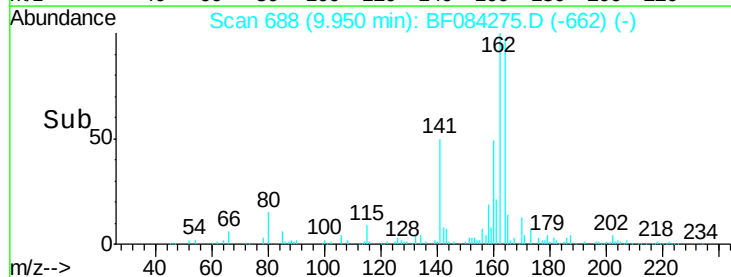
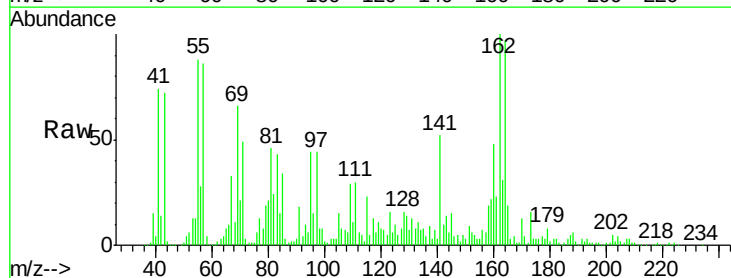
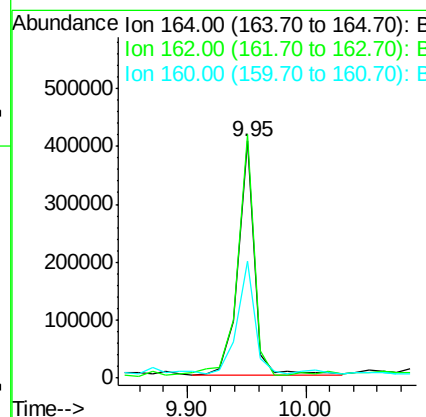
Manual Integrations
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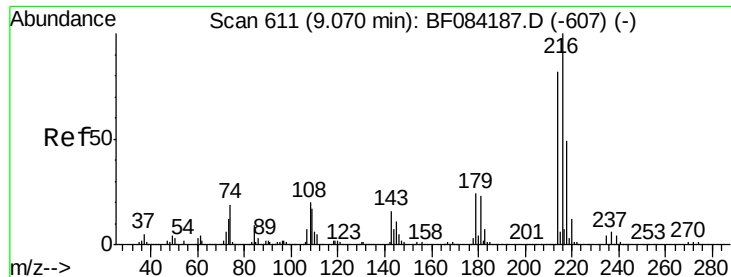
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	85.1	127.7
160	49.3	37.5	56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 50.54 ng

RT: 9.07 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF084275.D

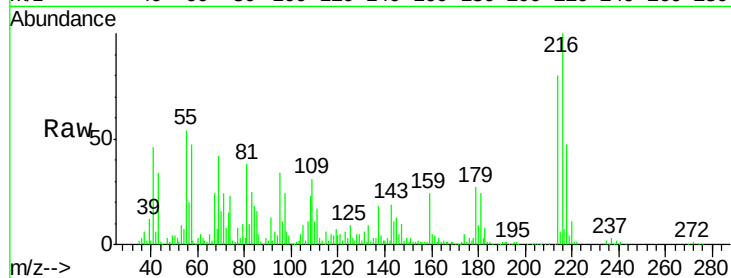
Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

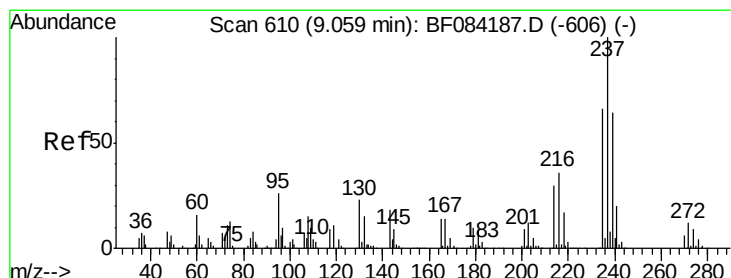
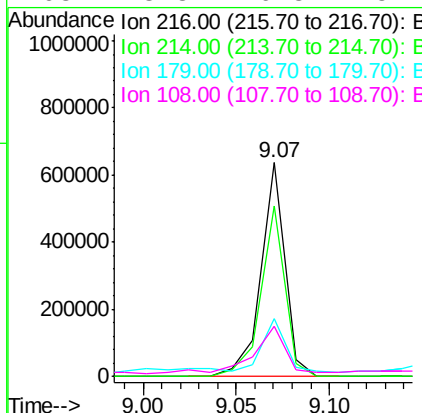
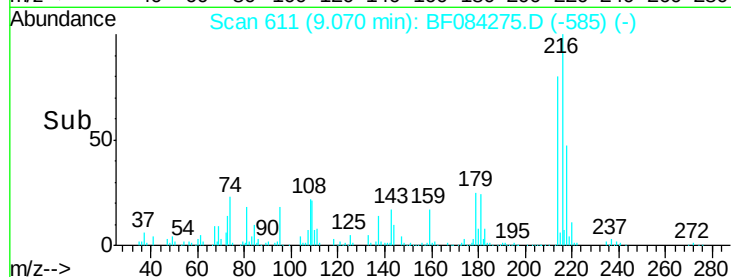
PJ-SB-1(20.0-20.5)MSD



Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		559643		
214	79.8	64.2	96.2		
179	25.9	18.7	28.1		
108	28.8	16.8	25.2		

Manual Integrations
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#40

Hexachlorocyclopentadiene

Concen: 87.88 ng

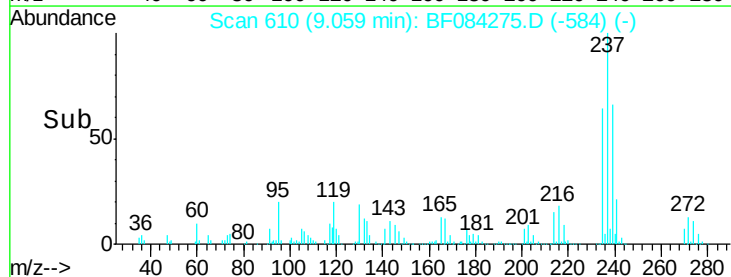
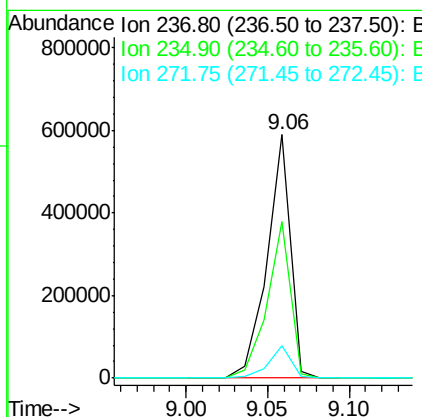
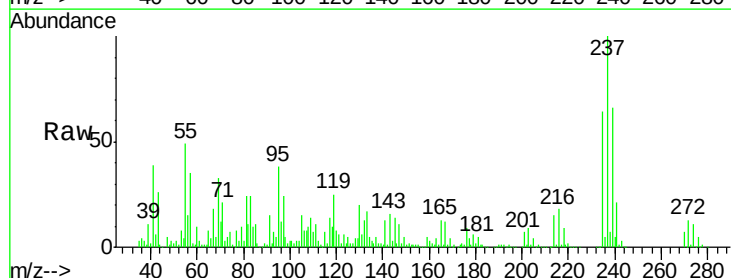
RT: 9.06 min Scan# 610

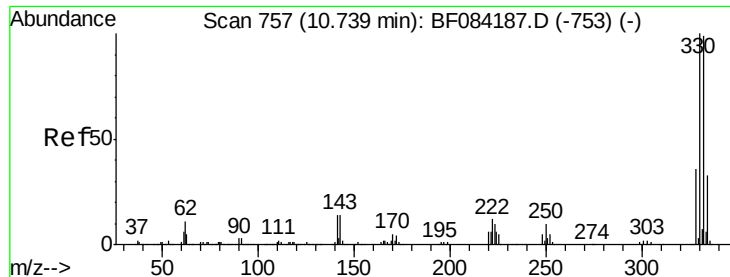
Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		587492		
235	64.1	43.1	83.1		
272	13.1	0.0	35.1		





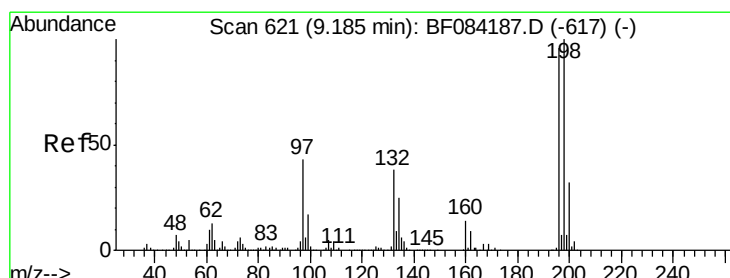
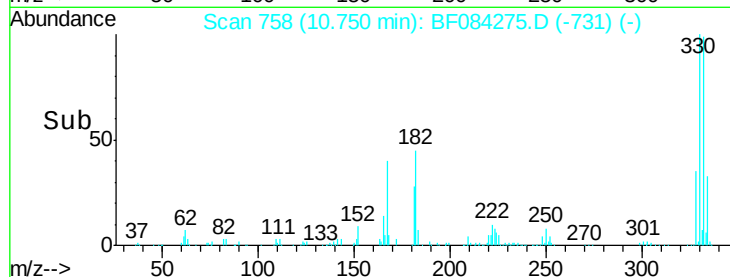
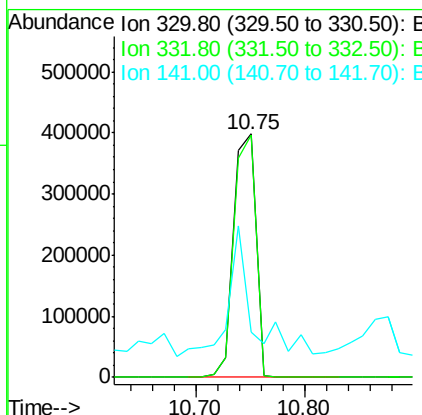
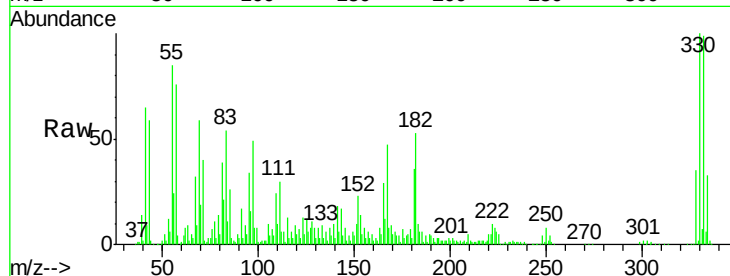
#41
 2,4,6-Tribromophenol
 Concen: 143.40 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	557705		
332	98.4	76.6	114.8	
141	33.6	27.8	41.6	

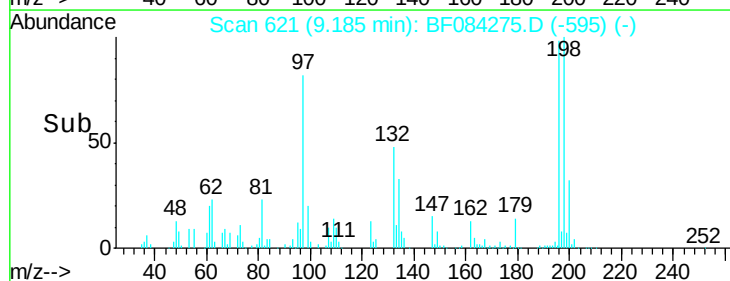
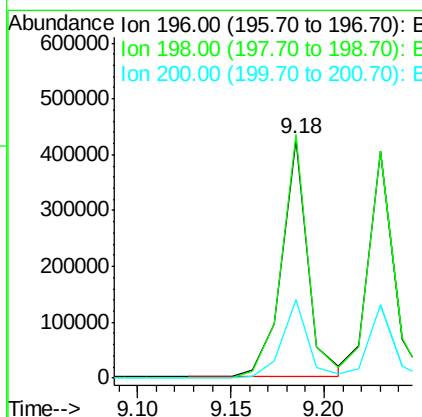
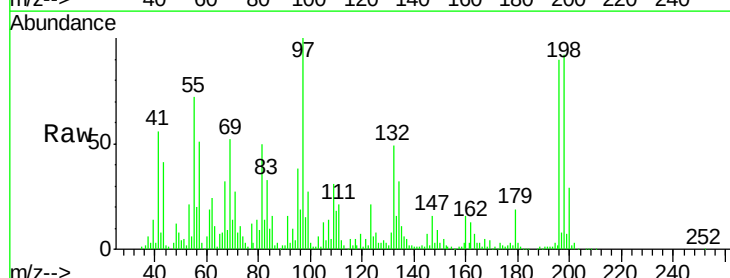
Manual Integrations
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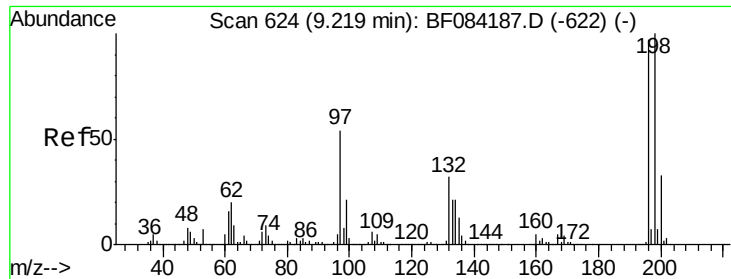
MMdadoda
 1/5/2016 6:50:06 PM



#42
 2,4,6-Trichlorophenol
 Concen: 50.57 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

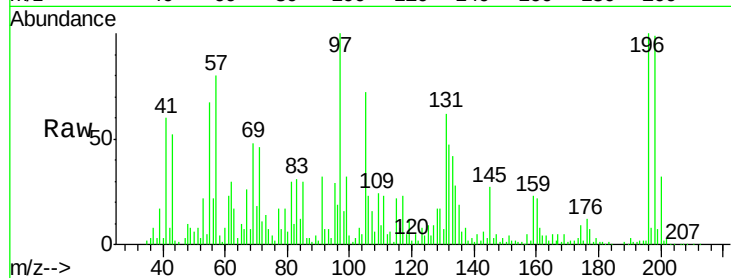
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	418952		
198	101.9	77.7	116.5	
200	32.6	24.6	37.0	





#43
 2,4,5-Trichlorophenol
 Concen: 46.27 ng
 RT: 9.23 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

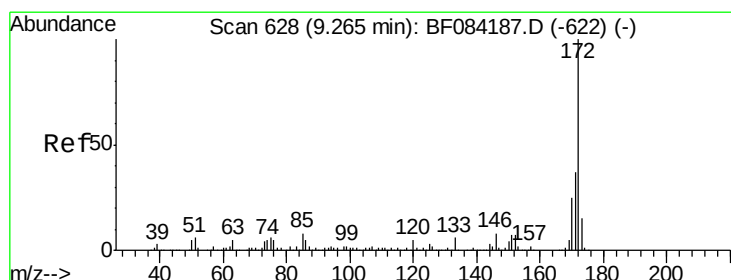
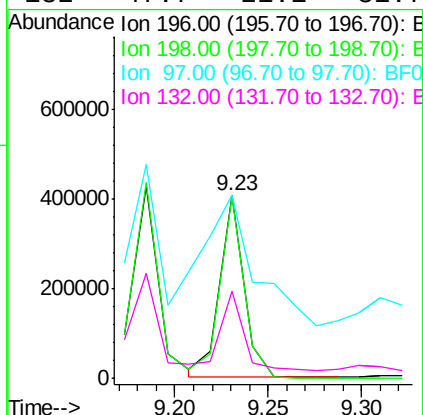
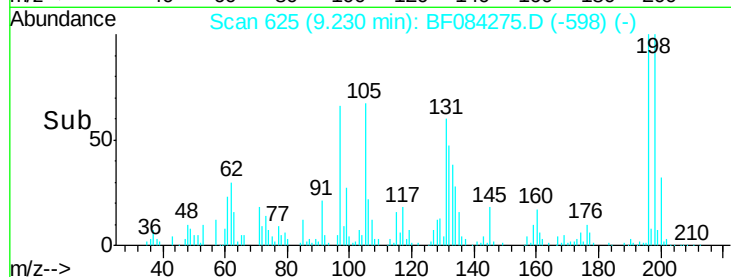
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD



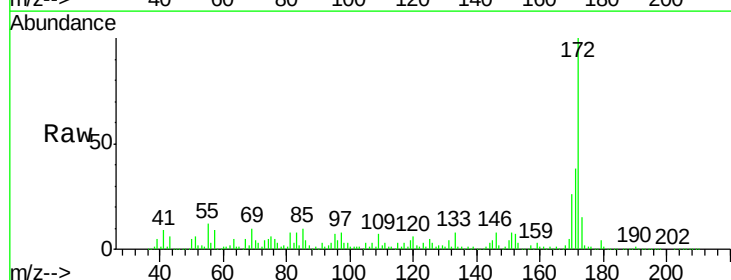
Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	99.8	79.0	118.6	
97	100.5	33.0	49.6	#
132	47.7	21.1	31.7	#

Manual Integrations
 APPROVED

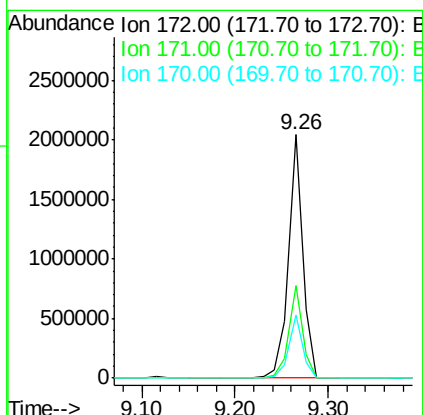
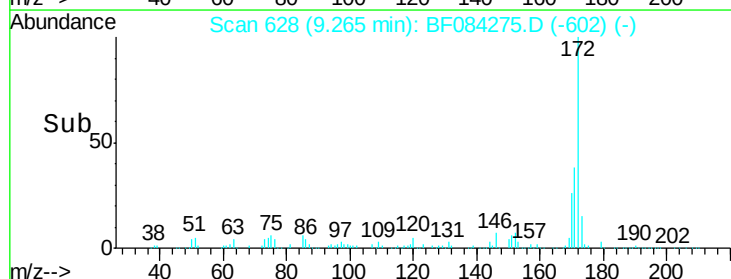
MMdadoda
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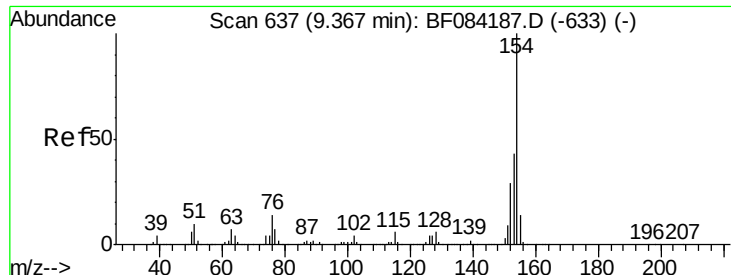


#44
 2-Fluorobiphenyl
 Concen: 100.72 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39



Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.1	28.9	43.3	
170	25.8	18.6	27.8	





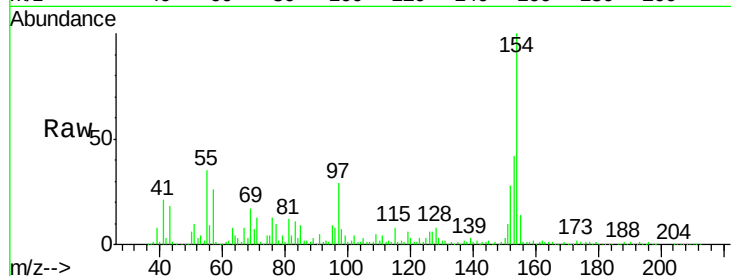
#45
1,1'-Biphenyl
Concen: 46.33 ng
RT: 9.37 min Scan# 637
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.3	21.6	61.6
76	13.4	0.0	32.7

Manual Integrations
APPROVED

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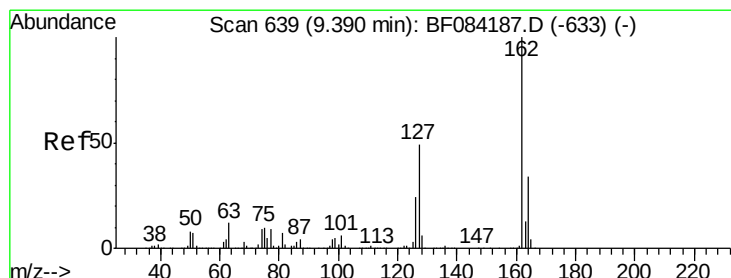
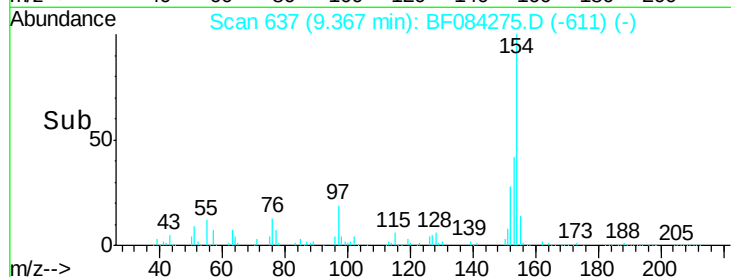
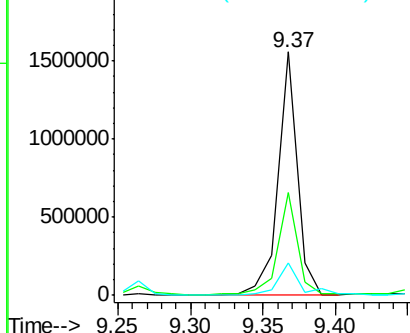


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46
2-Chloronaphthalene
Concen: 45.87 ng
RT: 9.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

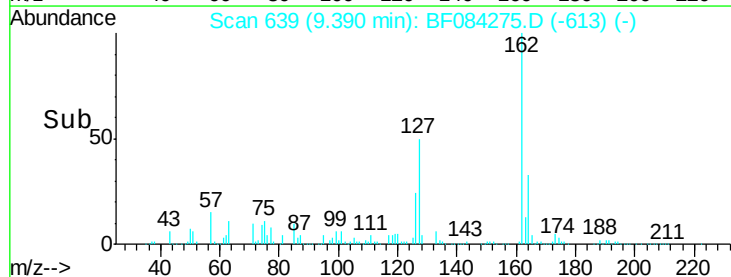
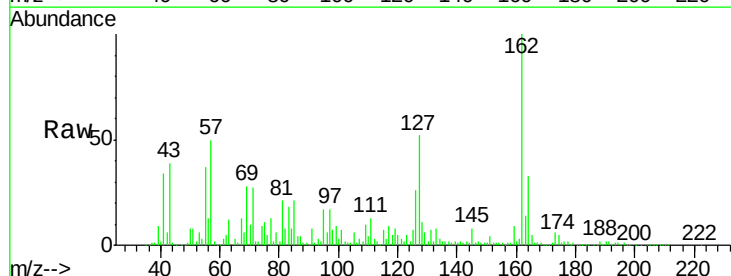
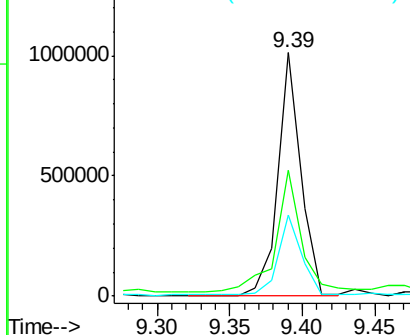
Tgt Ion	Ratio	Lower	Upper
162	100		
127	51.6	40.2	60.4
164	33.1	25.7	38.5

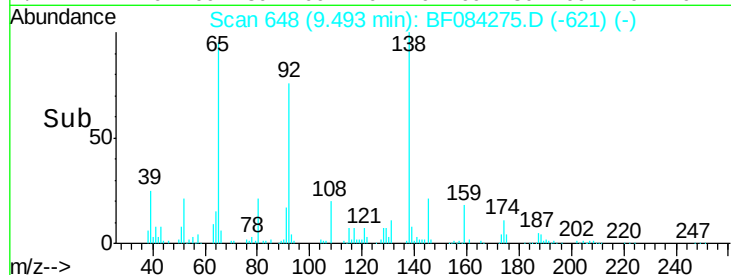
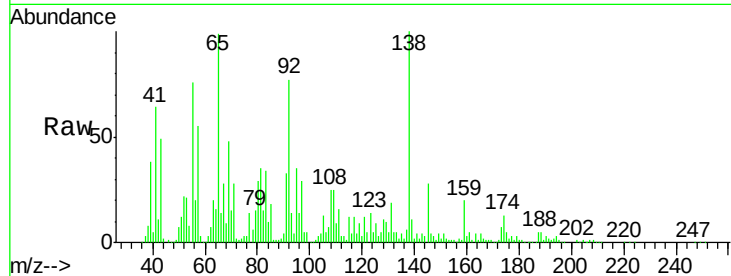
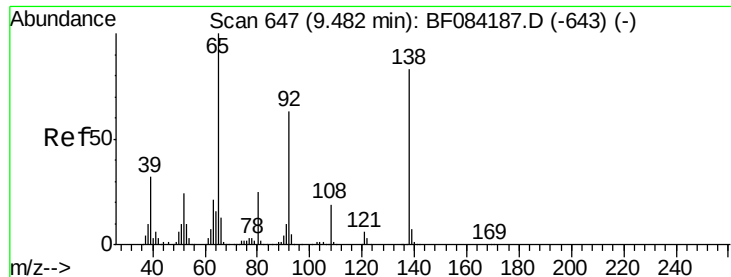
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





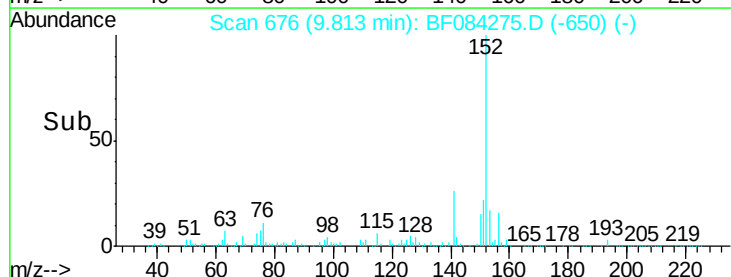
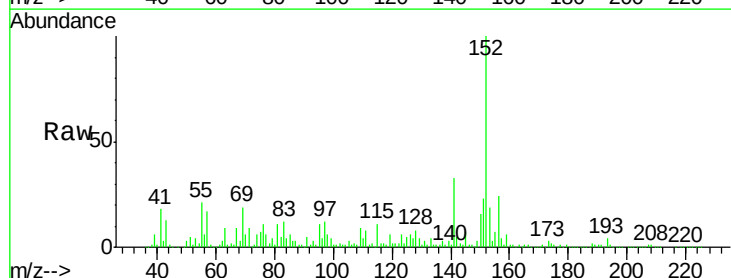
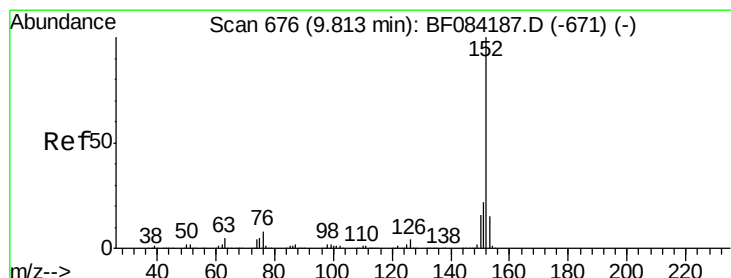
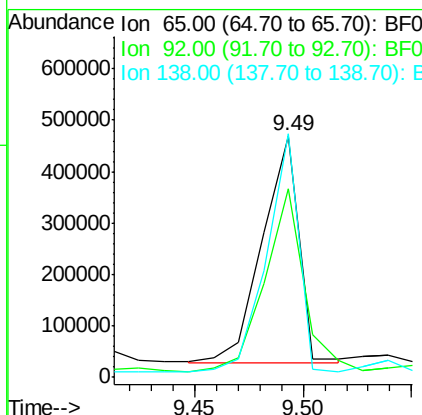
#47
2-Nitroaniline
Concen: 65.80 ng
RT: 9.49 min Scan# 648
Delta R.T. 0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tot Ion	Ratio	Lower	Upper
65	100		
92	78.0	53.4	80.2
138	101.0	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

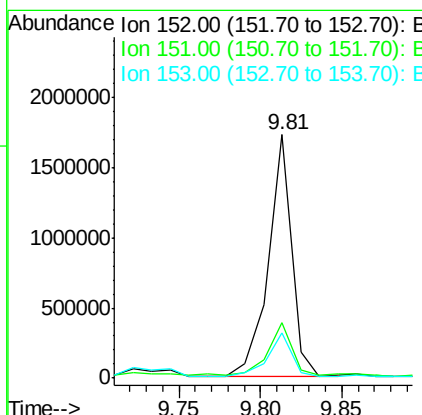
Manual Integrations
APPROVED

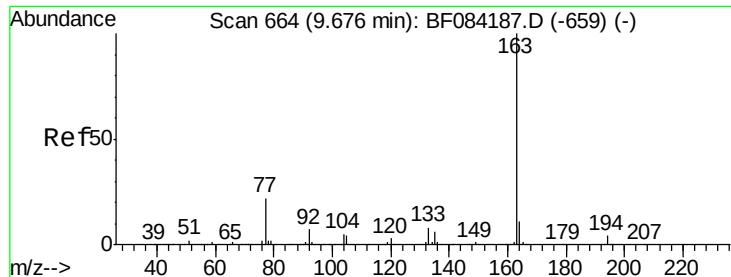
MMdadoda
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#48
Acenaphthylene
Concen: 48.38 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.8	16.3	24.5
153	18.6	10.4	15.6





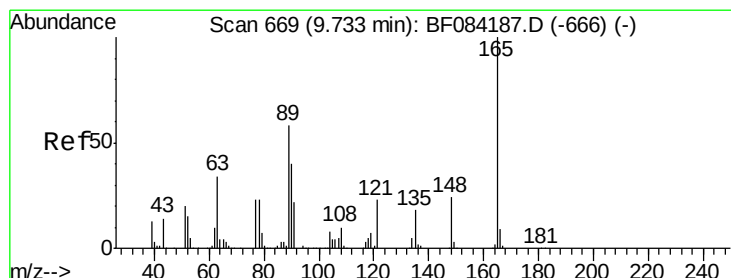
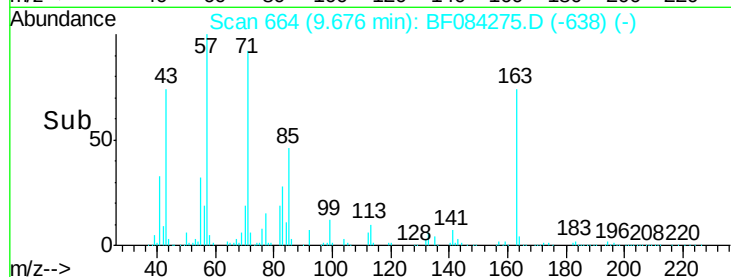
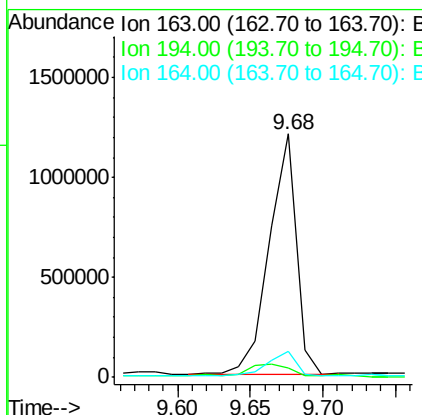
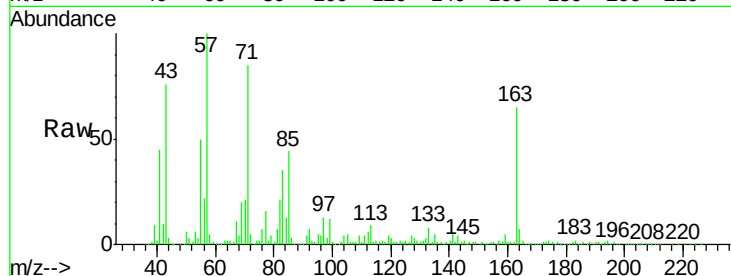
#49
Dimethylphthalate
Concen: 56.92 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion:163 Resp: 1567392
Ion Ratio Lower Upper
163 100
194 3.8 8.0 12.0#
164 10.5 8.0 12.0

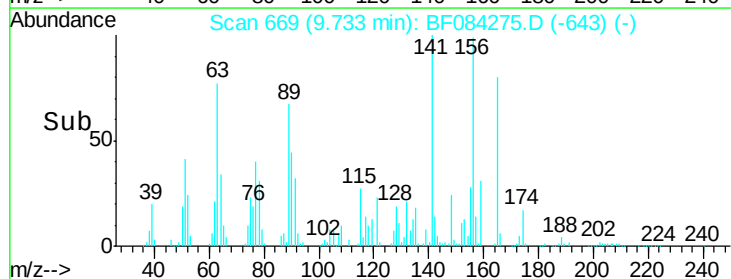
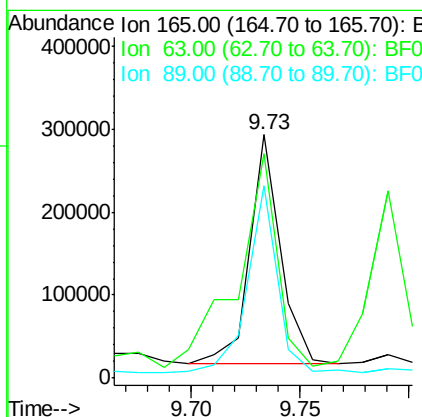
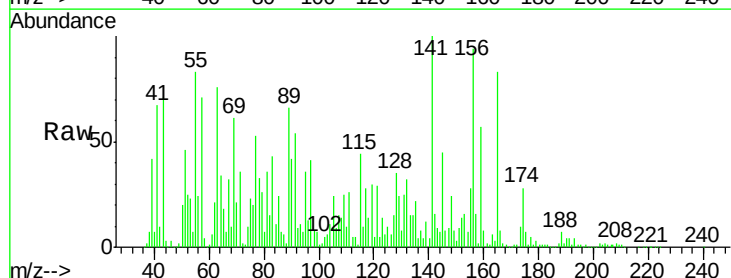
Manual Integrations
APPROVED

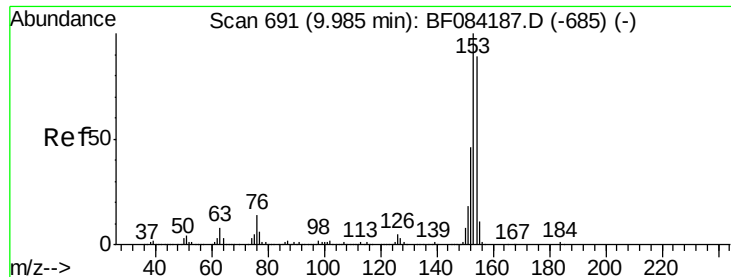
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#50
2,6-Dinitrotoluene
Concen: 45.08 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion:165 Resp: 272270
Ion Ratio Lower Upper
165 100
63 92.0 28.8 43.2#
89 79.0 35.1 52.7#





#51

Acenaphthene

Concen: 53.56 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:154 Resp: 1276448

Ion Ratio Lower Upper

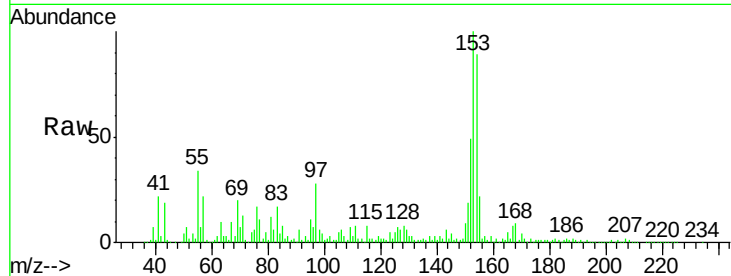
154 100

153 112.5 91.5 137.3

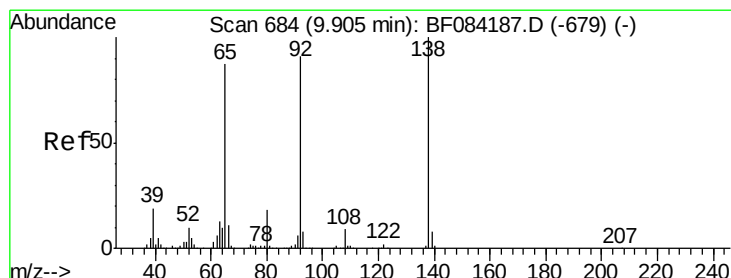
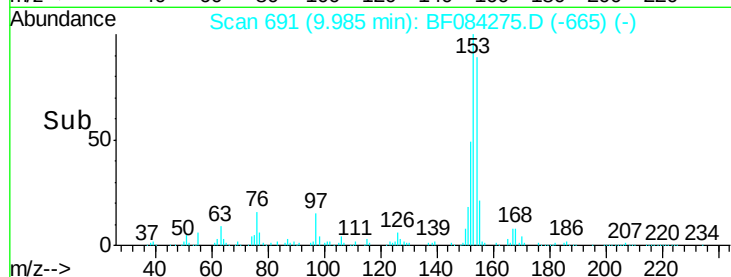
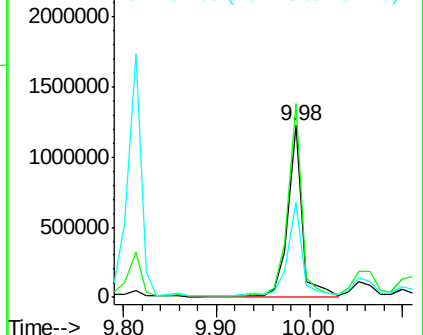
152 55.6 43.0 64.6

Manual Integrations
APPROVED

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 45.35 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

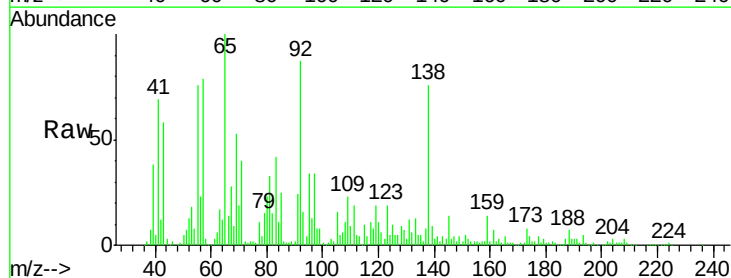
Tgt Ion:138 Resp: 339385

Ion Ratio Lower Upper

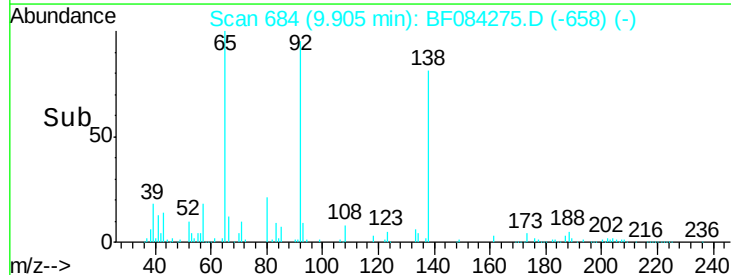
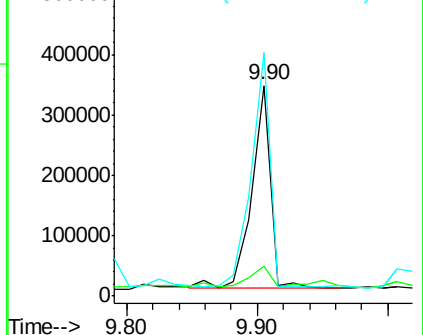
138 100

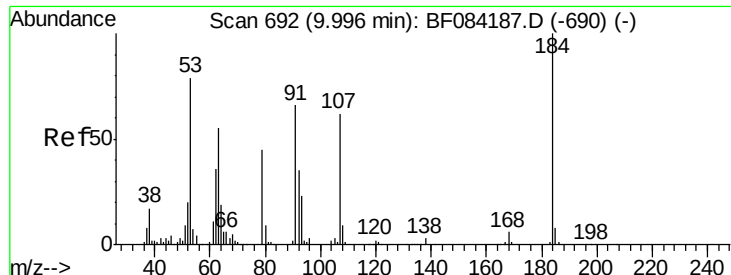
108 14.5 10.5 15.7

92 115.5 103.9 155.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





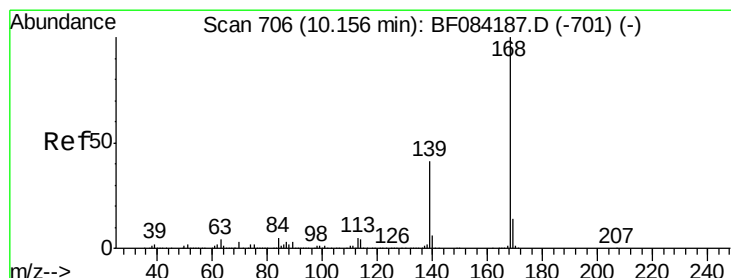
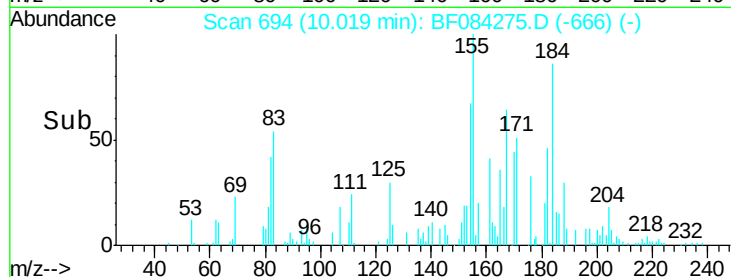
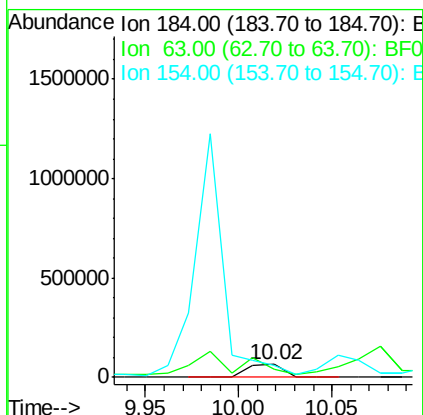
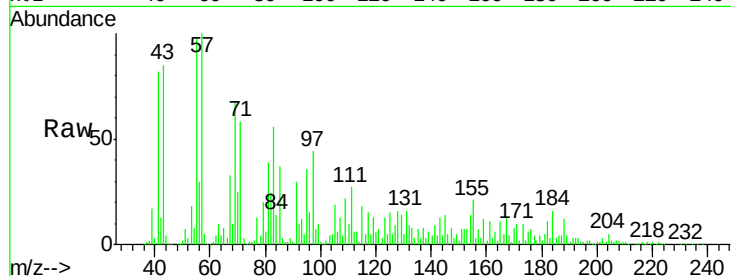
#53
2,4-Dinitrophenol
Concen: 37.15 ng
RT: 10.02 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	65.2	43.1	64.7#
154	88.1	60.5	90.7

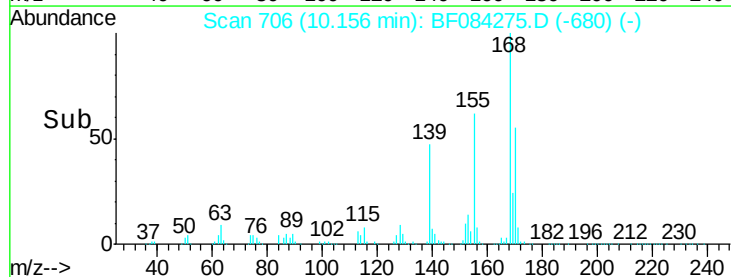
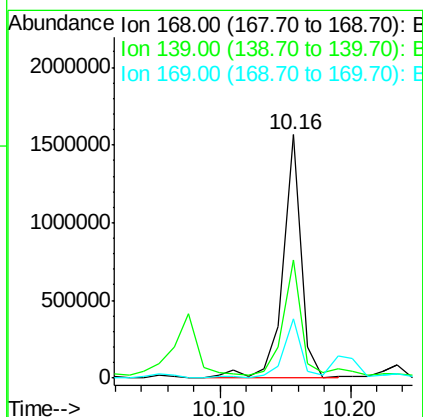
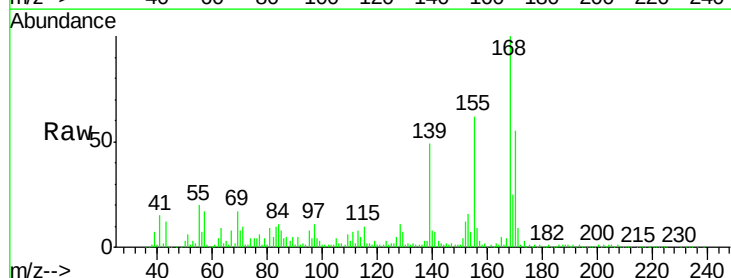
Manual Integrations
APPROVED

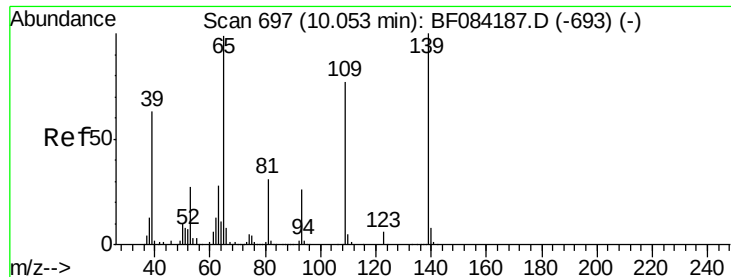
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1/5/2016 6:50:06 PM



#54
Dibenzofuran
Concen: 49.65 ng
RT: 10.16 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
168	100		
139	48.7	30.5	45.7#
169	24.5	10.4	15.6#





#55

4-Nitrophenol

Concen: 95.28 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.02 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

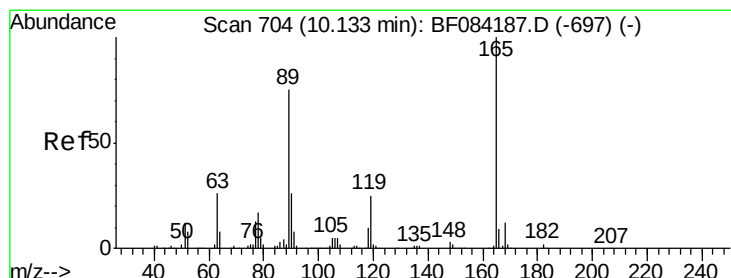
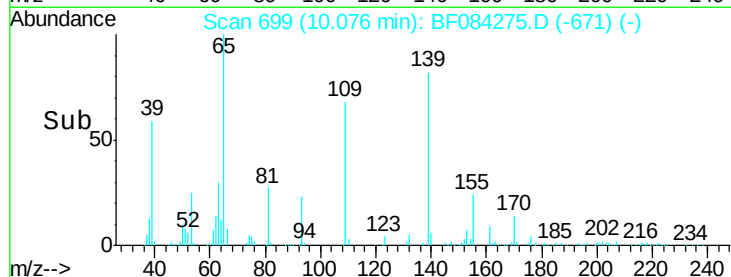
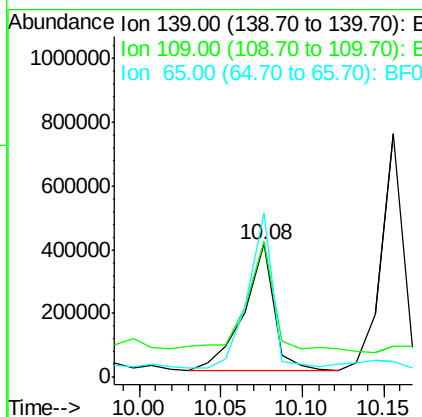
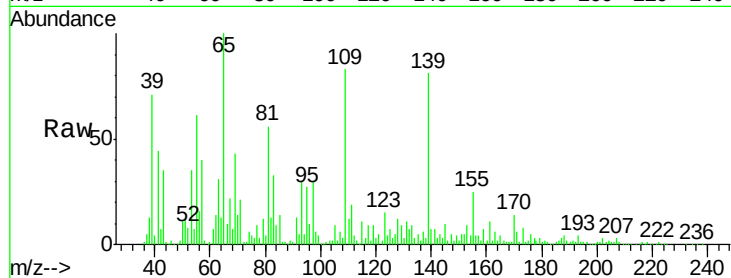
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	139	Resp:	517615
Ion Ratio	Lower	Upper	
139	100		
109	102.1	58.5	98.5#
65	122.8	57.6	97.6#

Manual Integrations
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1/5/2016 6:50:06 PM



#56

2,4-Dinitrotoluene

Concen: 59.18 ng

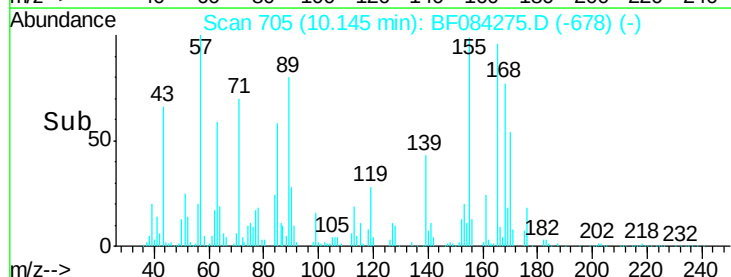
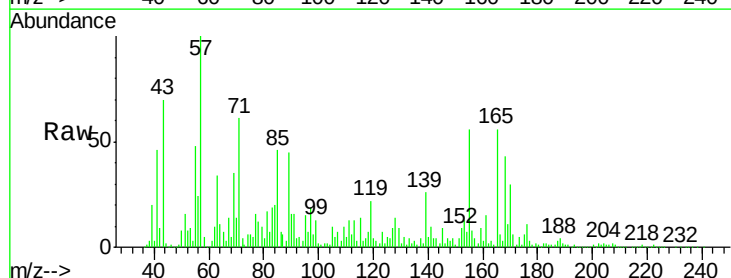
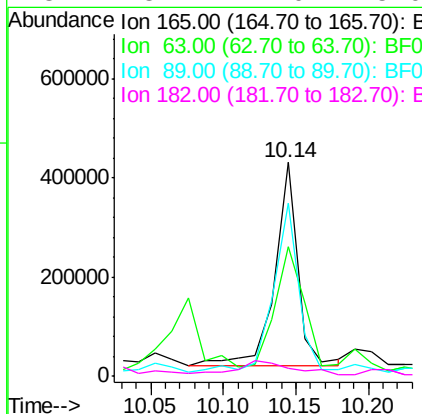
RT: 10.14 min Scan# 705

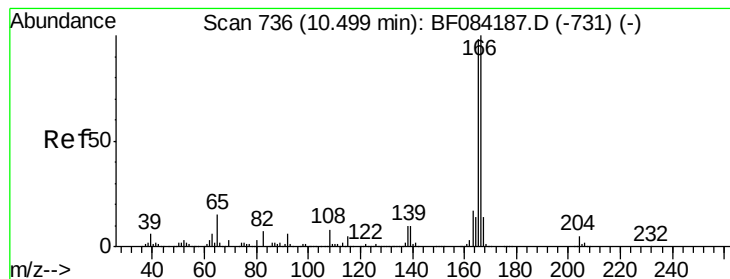
Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	165	Resp:	452366
Ion Ratio	Lower	Upper	
165	100		
63	60.3	36.7	55.1#
89	80.7	61.9	92.9
182	3.4	2.0	3.0#





#57

Fluorene

Concen: 60.27 ng

RT: 10.50 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:166 Resp: 1419303

Ion Ratio Lower Upper

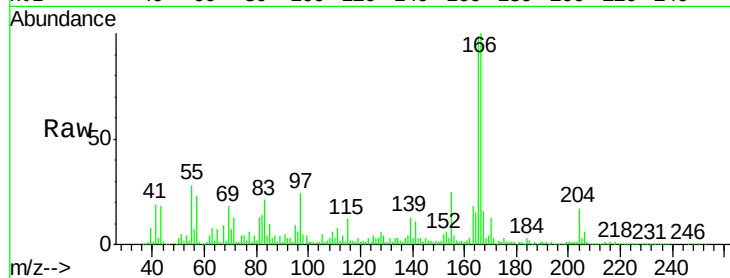
166 100

165 99.4 79.1 118.7

167 16.0 10.4 15.6#

Manual Integrations
APPROVED

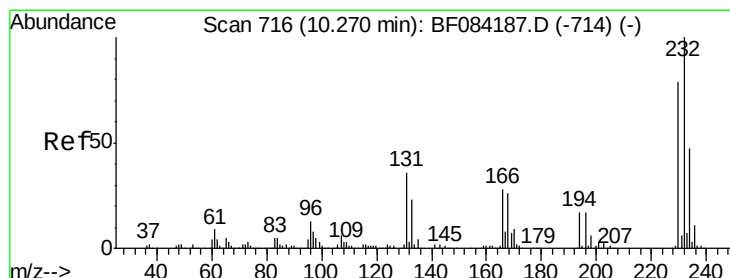
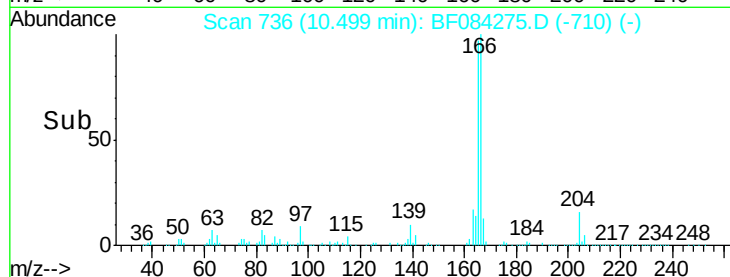
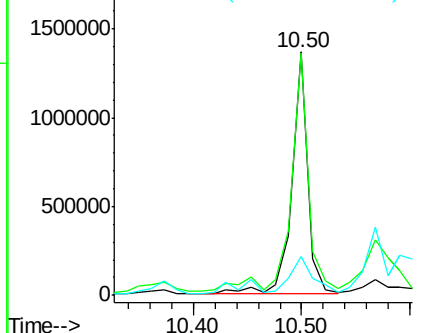
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.71 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:232 Resp: 309940

Ion Ratio Lower Upper

232 100

131 68.8 47.0 70.6

130 17.5 2.0 3.0#

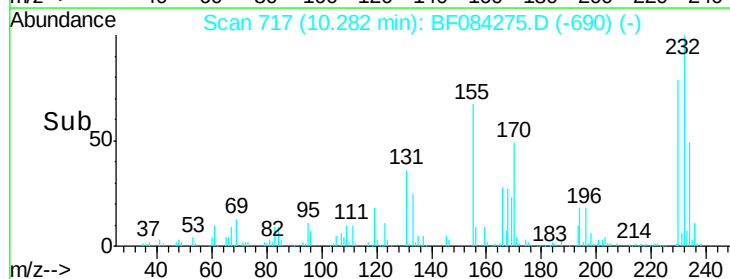
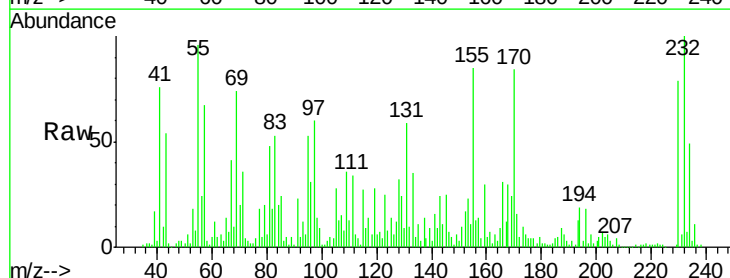
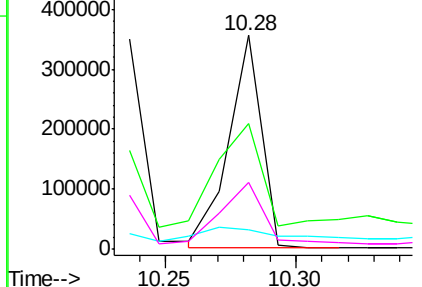
166 37.6 30.5 45.7

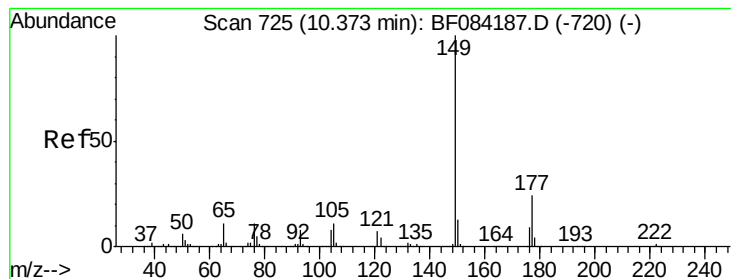
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 45.29 ng

RT: 10.37 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:149 Resp: 1229632

Ion Ratio Lower Upper

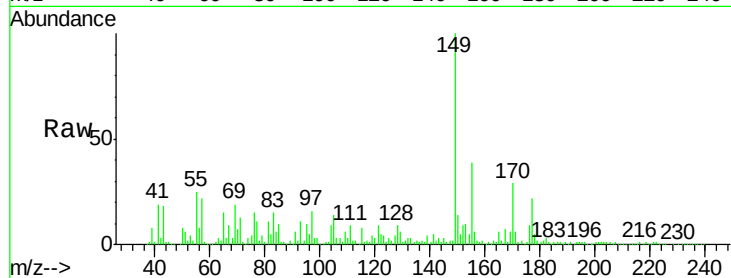
149 100

177 22.4 17.3 25.9

150 13.9 9.8 14.8

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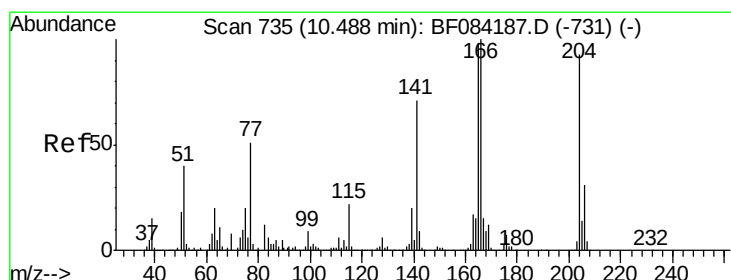
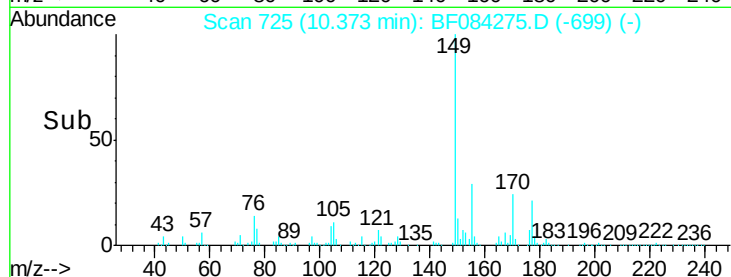
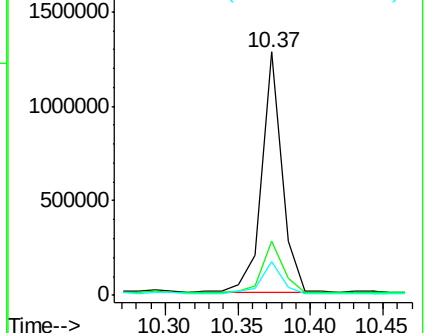
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 52.83 ng

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

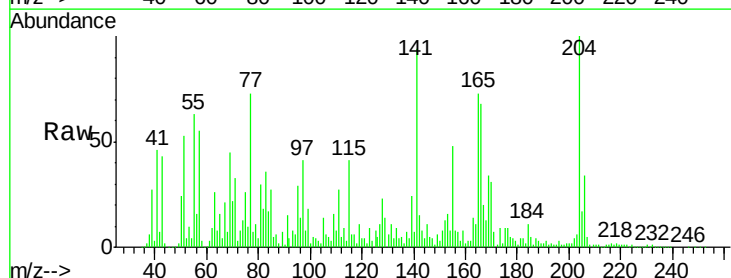
Tgt Ion:204 Resp: 518193

Ion Ratio Lower Upper

204 100

206 34.0 25.7 38.5

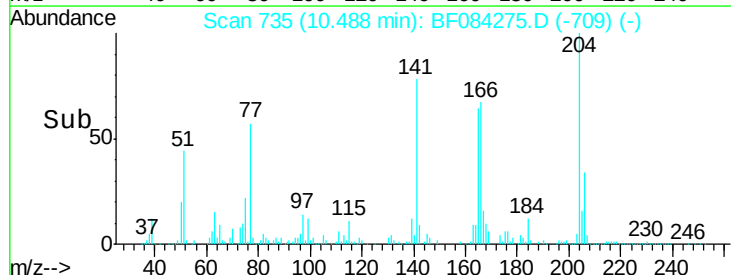
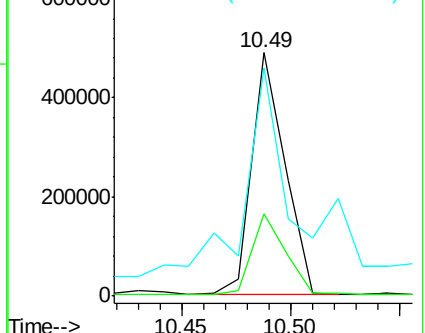
141 93.8 55.1 82.7#

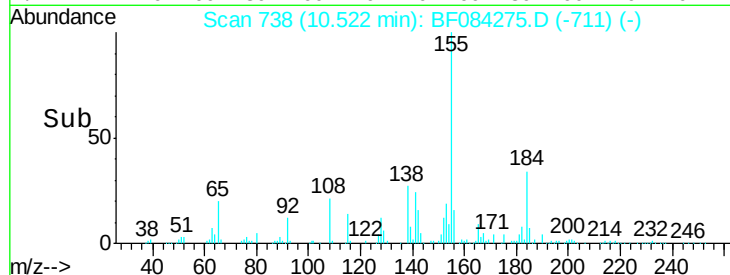
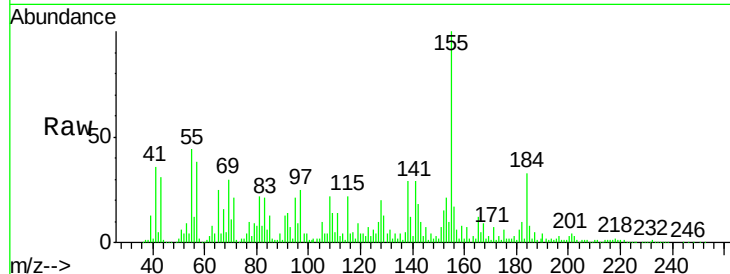
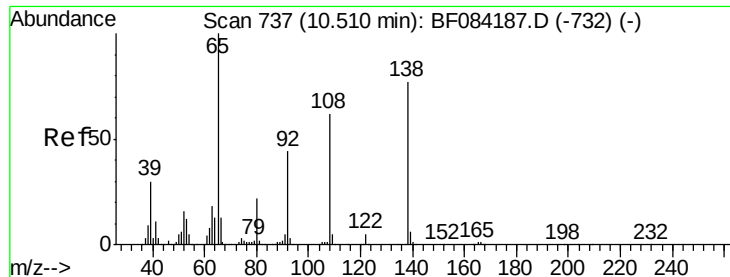


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





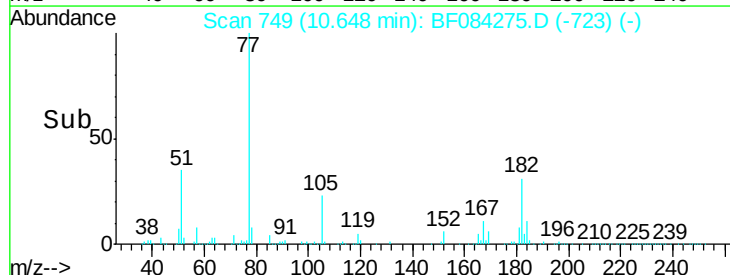
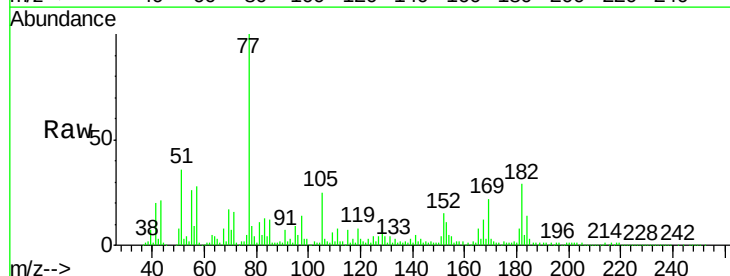
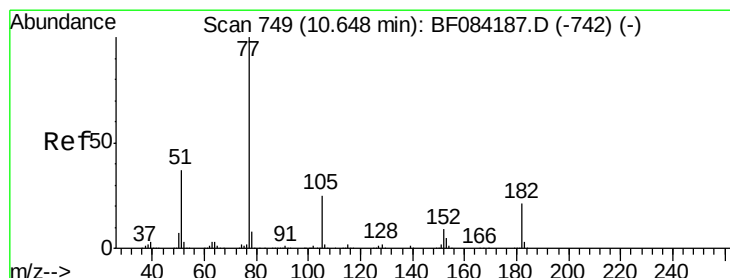
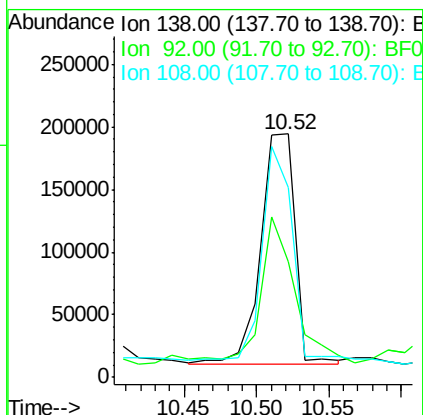
#61
4-Nitroaniline
Concen: 44.79 ng
RT: 10.52 min Scan# 738
Delta R.T. 0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.3	32.6	72.6
108	77.9	68.6	108.6

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

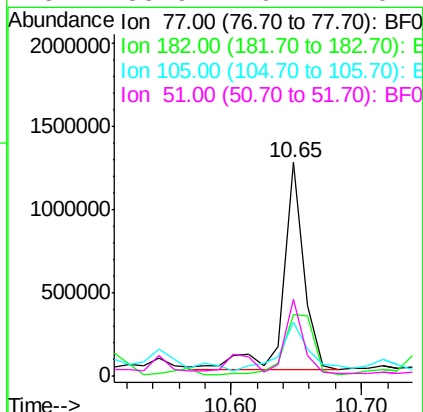
Manual Integrations
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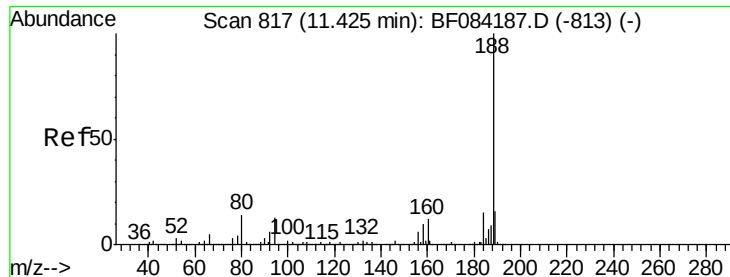
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#62
Azobenzene
Concen: 46.17 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
77	100		
182	29.0	8.3	48.3
105	25.3	4.6	44.6
51	35.9	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

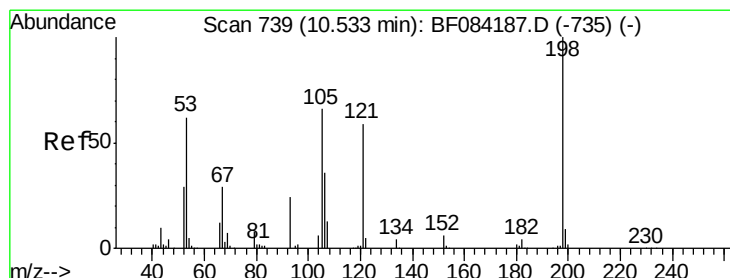
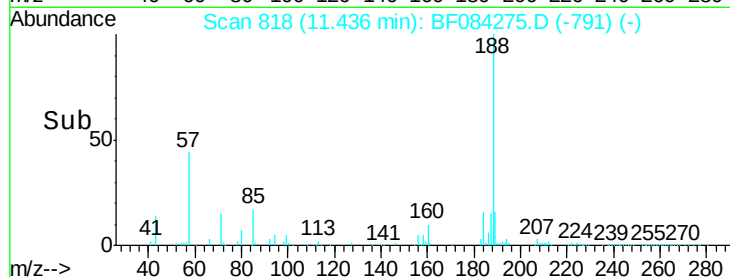
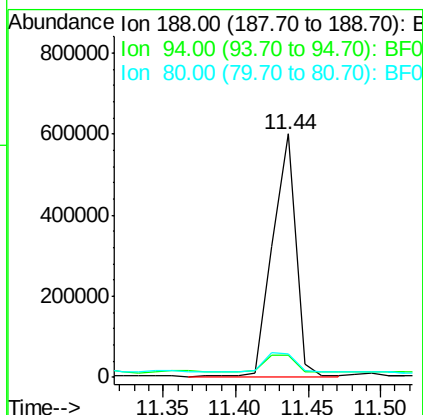
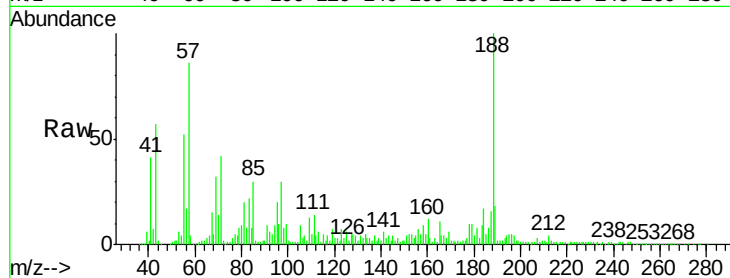
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	188	Resp:	658817
Ion Ratio		Lower	Upper
188	100		
94	9.0	9.0	13.4
80	9.4	9.6	14.4#

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#64

4,6-Dinitro-2-methylphenol

Concen: 34.19 ng

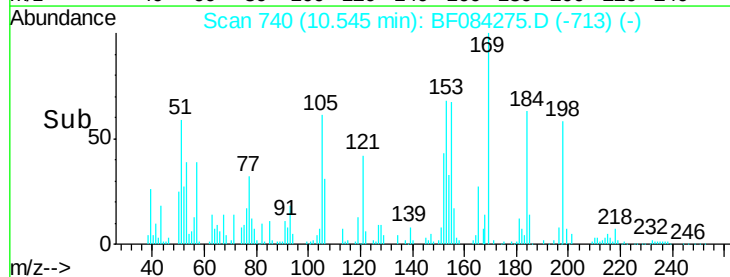
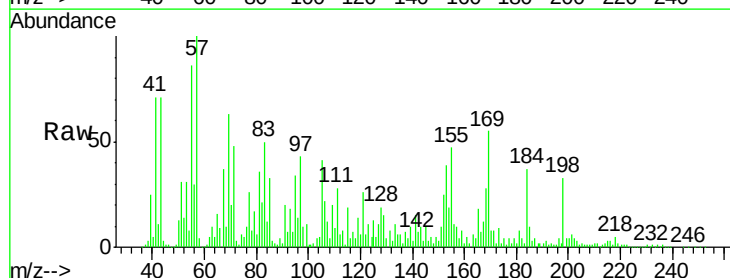
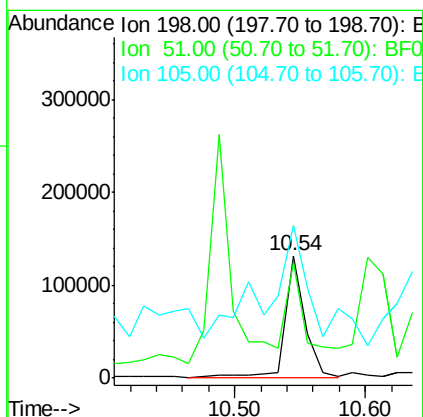
RT: 10.54 min Scan# 740

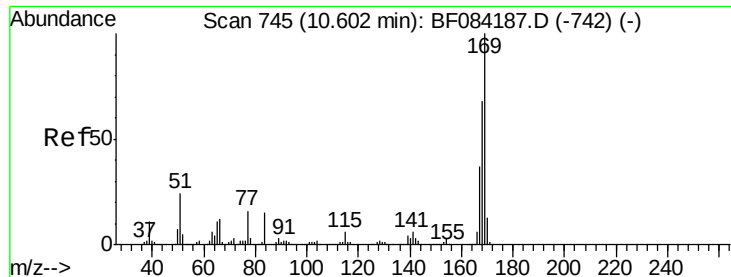
Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	198	Resp:	136905
Ion Ratio		Lower	Upper
198	100		
51	94.6	18.9	58.9#
105	124.4	26.4	66.4#





#65

n-Nitrosodiphenylamine

Concen: 76.78 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:169 Resp: 1617199

Ion Ratio Lower Upper

169 100

168 54.6 55.1 82.7#

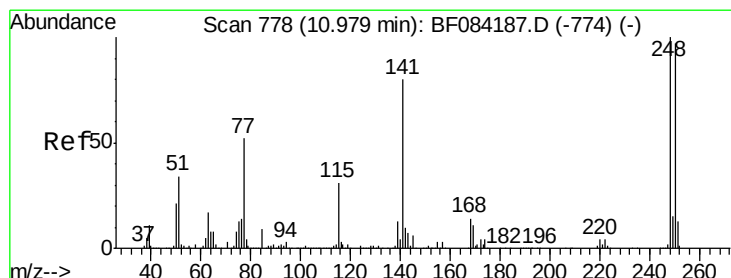
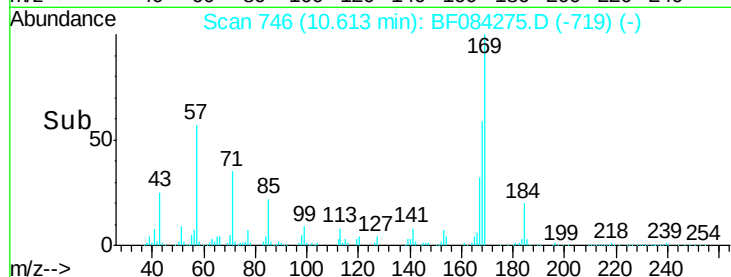
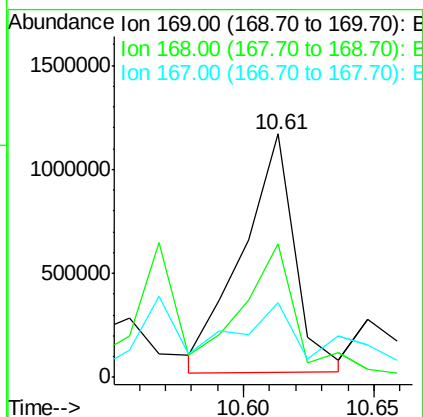
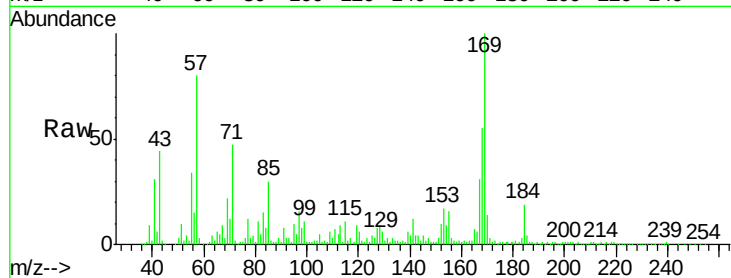
167 30.6 30.0 45.0

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#66

4-Bromophenyl-phenylether

Concen: 52.29 ng

RT: 10.98 min Scan# 778

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

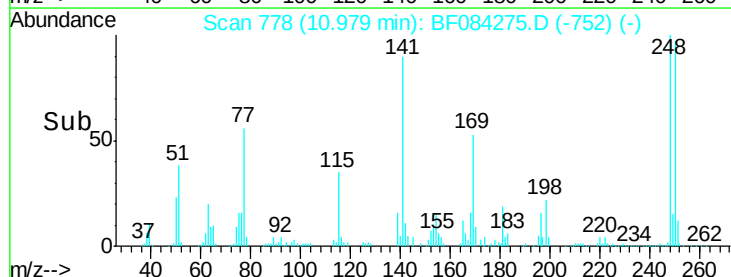
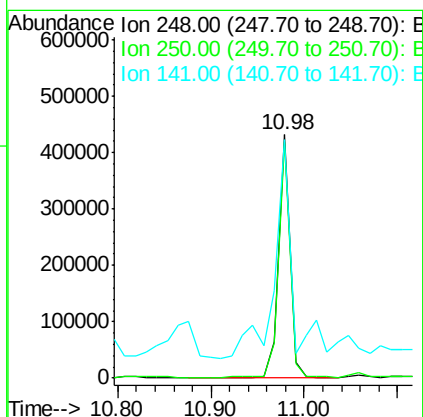
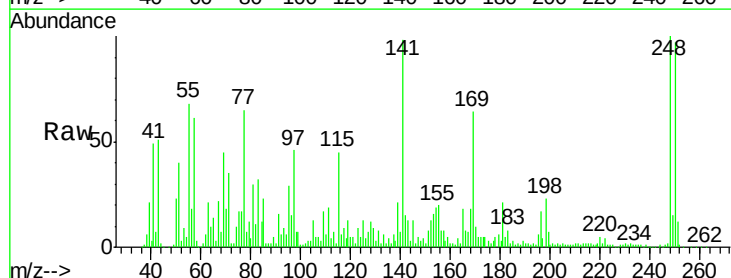
Tgt Ion:248 Resp: 370763

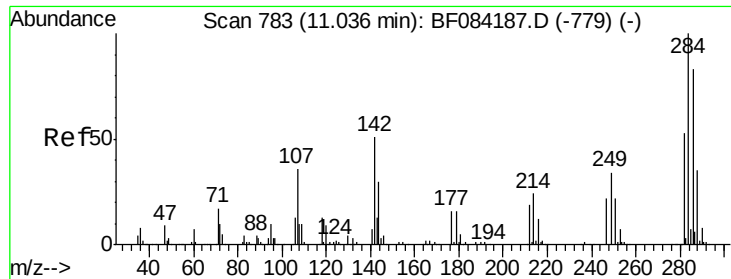
Ion Ratio Lower Upper

248 100

250 96.9 78.4 117.6

141 98.0 44.0 66.0#





#67

Hexachlorobenzene

Concen: 50.26 ng

RT: 11.06 min Scan# 785

Delta R.T. 0.02 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

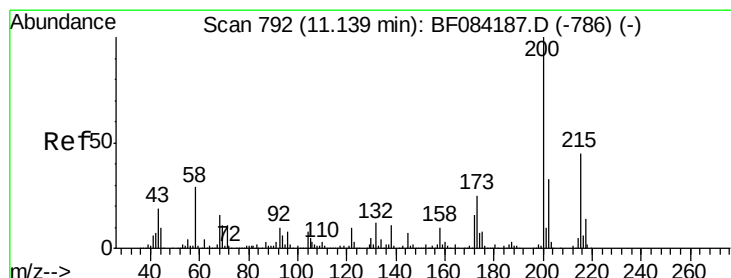
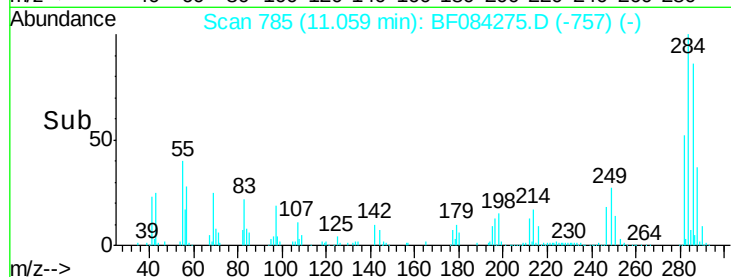
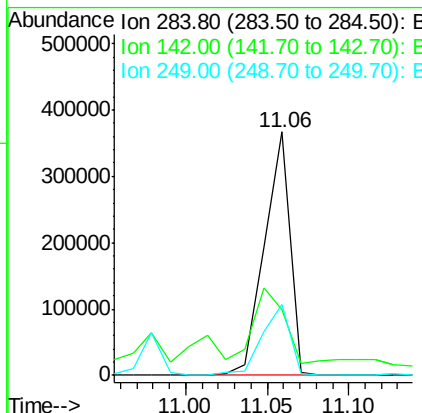
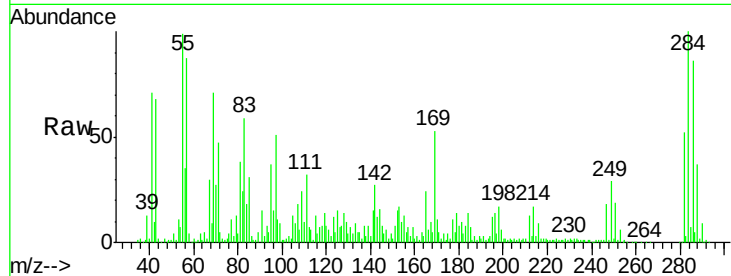
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	284	Resp:	401162
Ion Ratio		Lower	Upper
284	100		
142	26.7	22.2	33.4
249	29.3	24.6	37.0

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#68

Atrazine

Concen: 51.63 ng

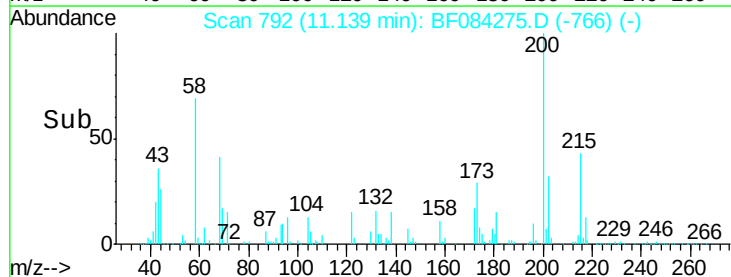
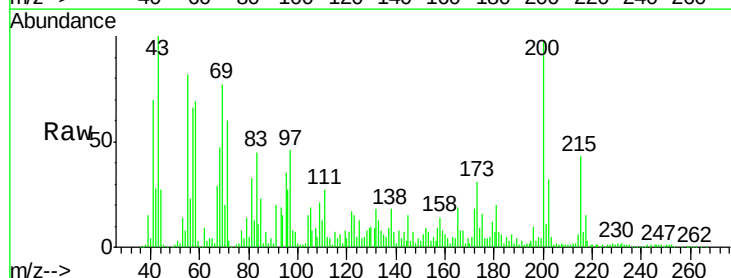
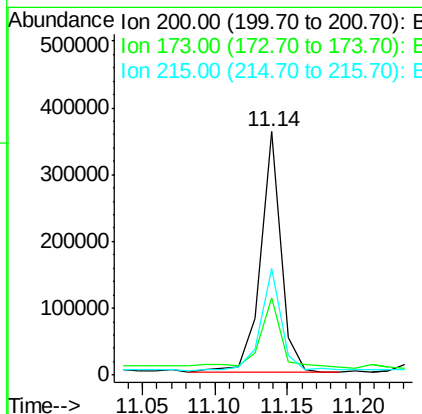
RT: 11.14 min Scan# 792

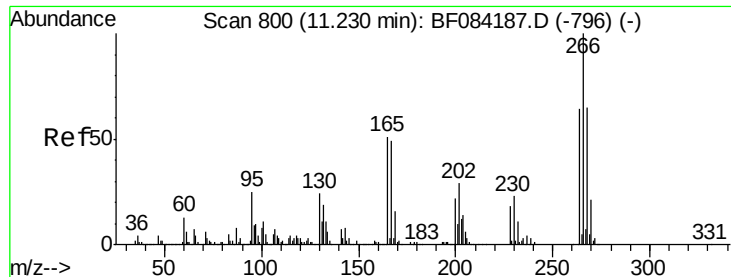
Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tgt Ion:	200	Resp:	355874
Ion Ratio		Lower	Upper
200	100		
173	32.0	9.5	49.5
215	43.7	23.8	63.8





#69

Pentachlorophenol

Concen: 75.69 ng

RT: 11.24 min Scan# 801

Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:266 Resp: 313228

Ion Ratio Lower Upper

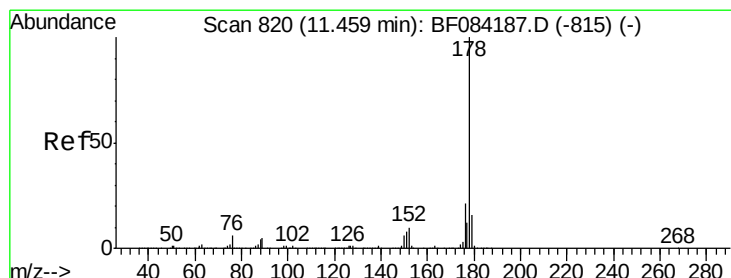
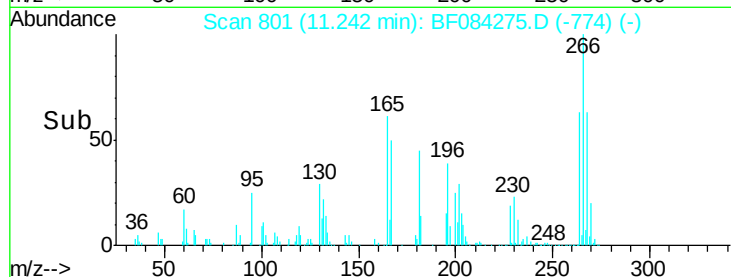
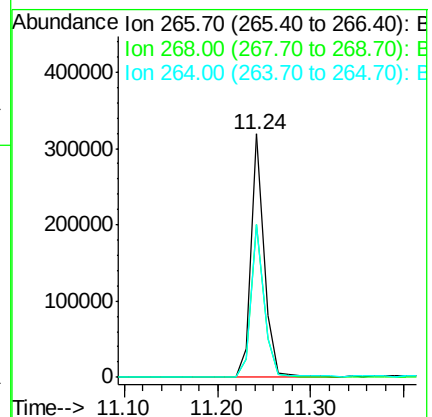
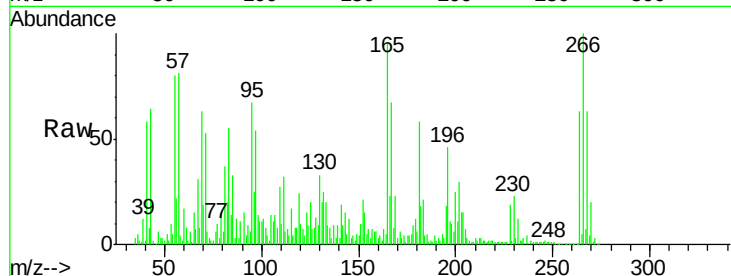
266 100

268 62.8 52.4 78.6

264 62.8 50.2 75.2

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#70

Phenanthrene

Concen: 61.26 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

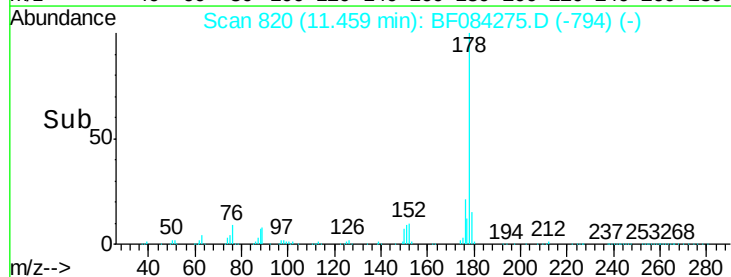
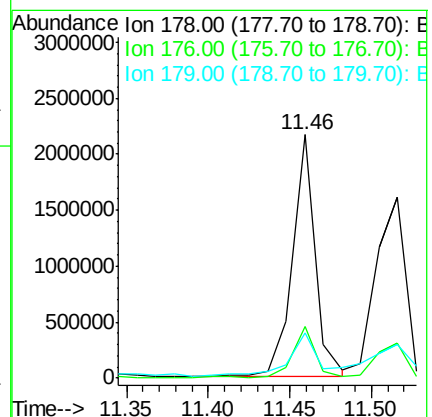
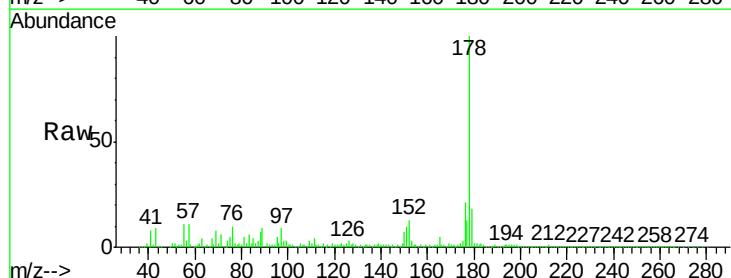
Tgt Ion:178 Resp: 2111245

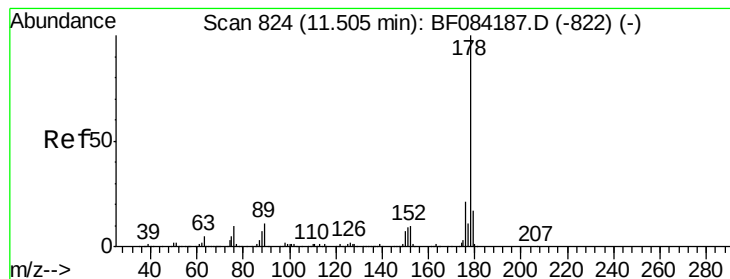
Ion Ratio Lower Upper

178 100

176 21.4 15.3 22.9

179 18.5 12.0 18.0#





#71

Anthracene

Concen: 59.20 ng/mL

RT: 11.52 min Scan# 825

Delta R.T. 0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:178 Resp: 1999899

Ion Ratio Lower Upper

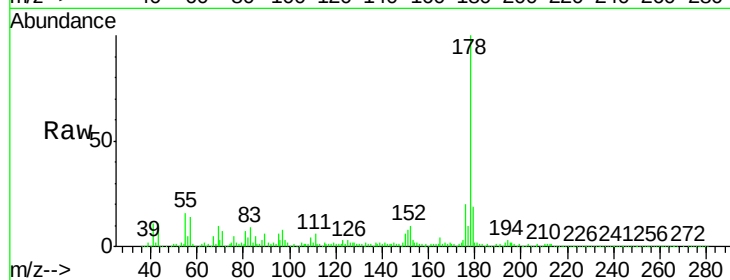
178 100

176 19.5 15.4 23.0

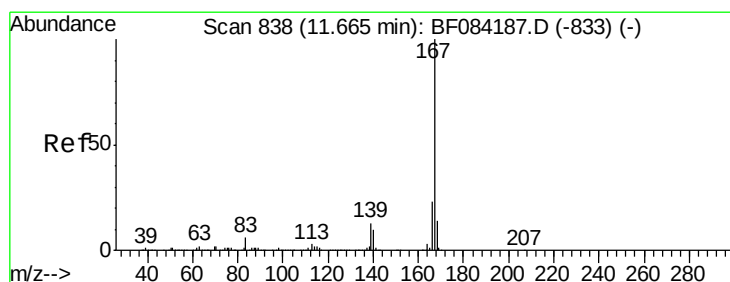
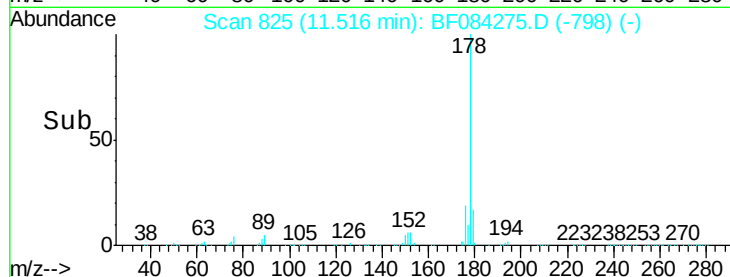
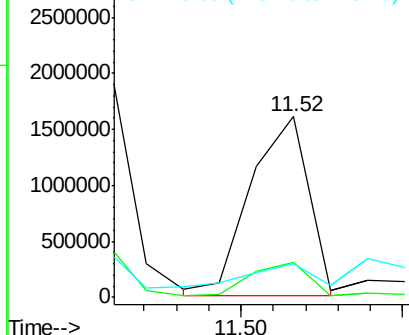
179 18.9 12.5 18.7#

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 44.76 ng/mL

RT: 11.66 min Scan# 838

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

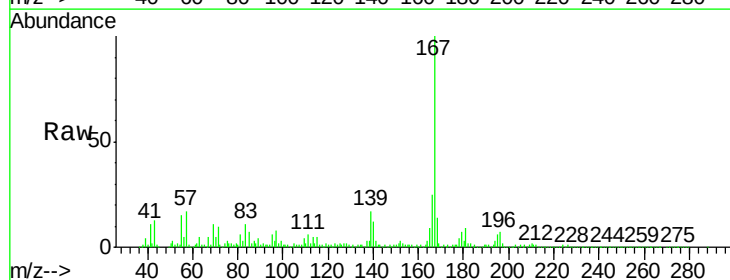
Tgt Ion:167 Resp: 1478066

Ion Ratio Lower Upper

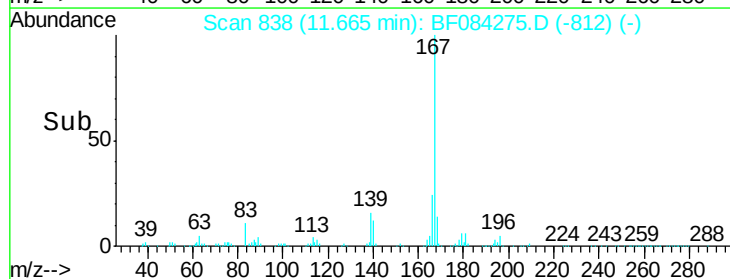
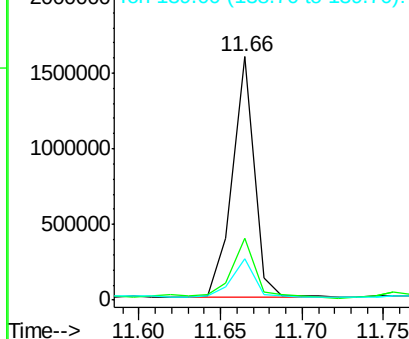
167 100

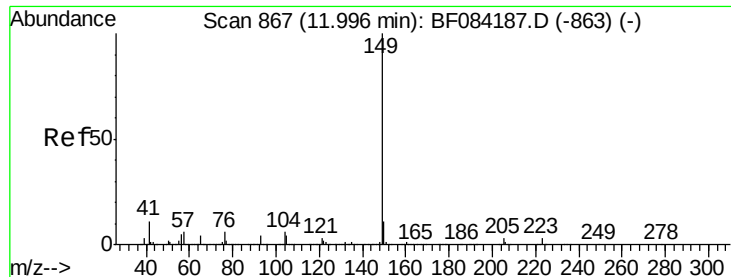
166 25.2 17.6 26.4

139 16.9 11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 68.85 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:149 Resp: 2125705

Ion Ratio Lower Upper

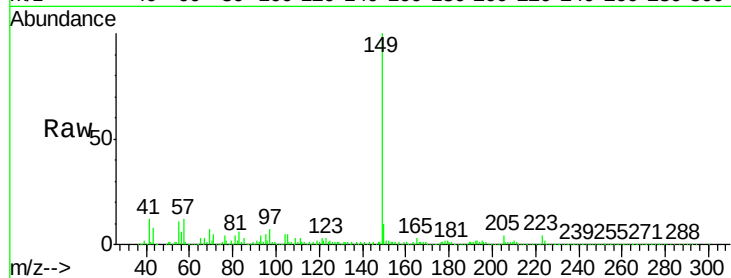
149 100

150 9.7 7.1 10.7

104 5.1 3.2 4.8#

Manual Integrations
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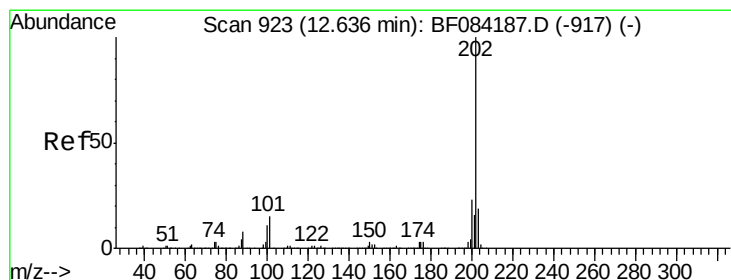
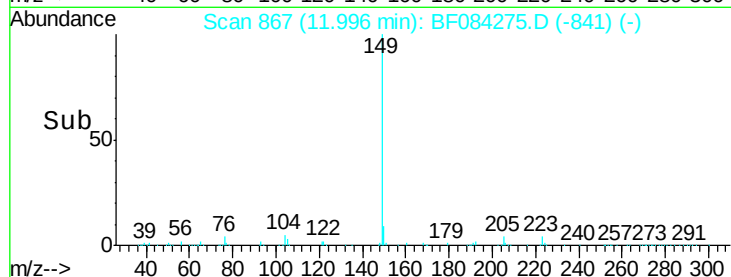
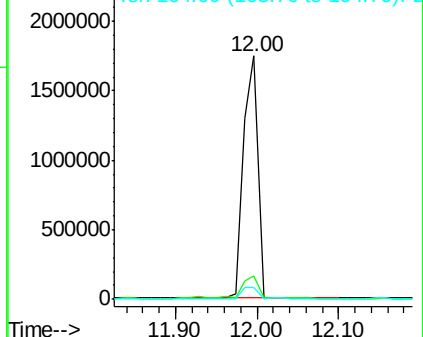
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.95 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

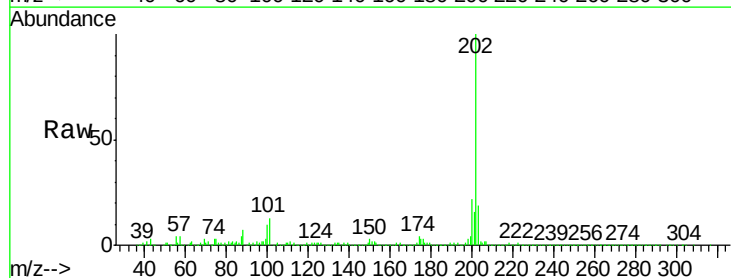
Tgt Ion:202 Resp: 1690036

Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.8

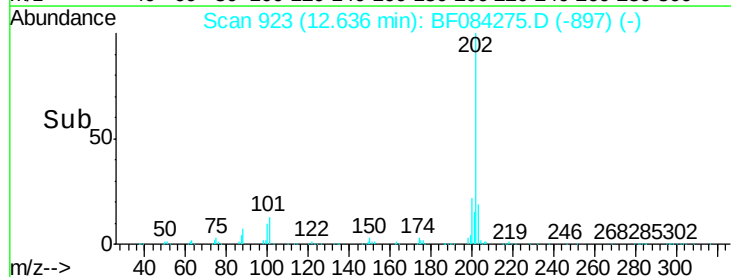
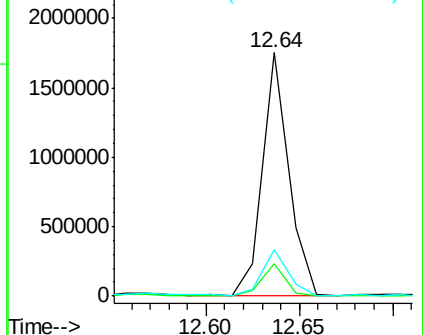
203 19.0 0.0 37.9

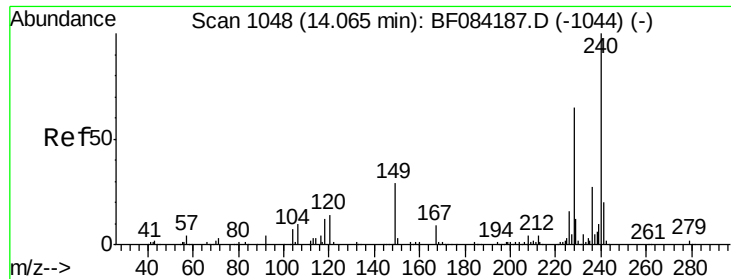


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





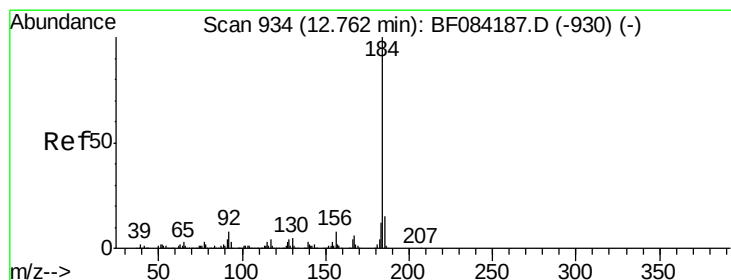
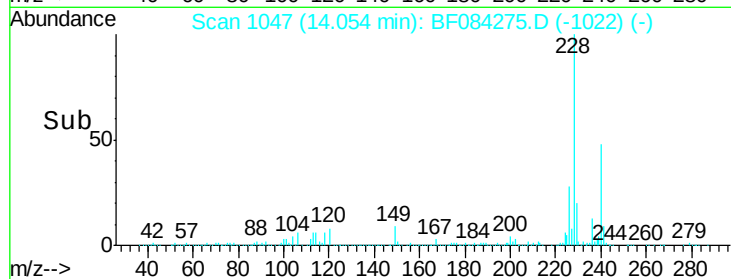
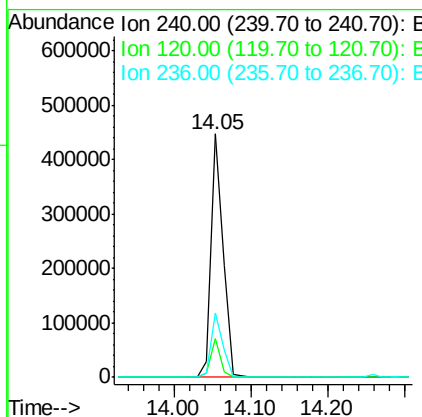
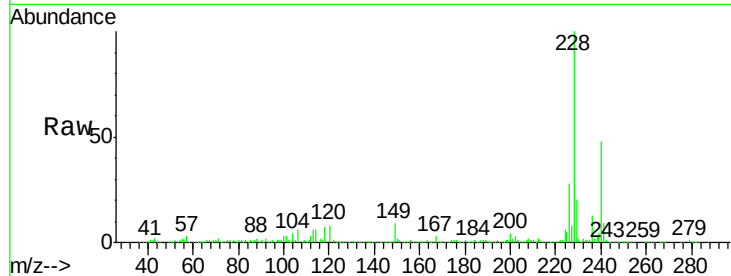
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	16.2	9.5	14.3	
236	26.5	20.6	31.0	

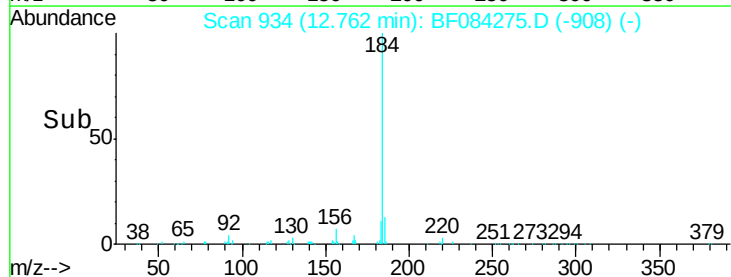
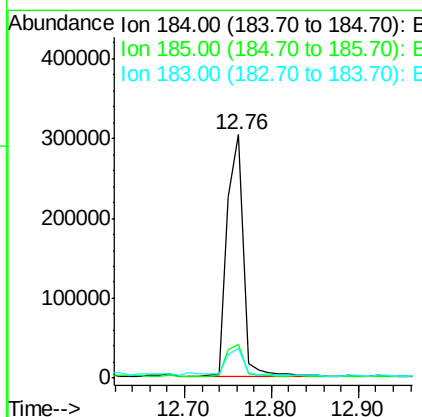
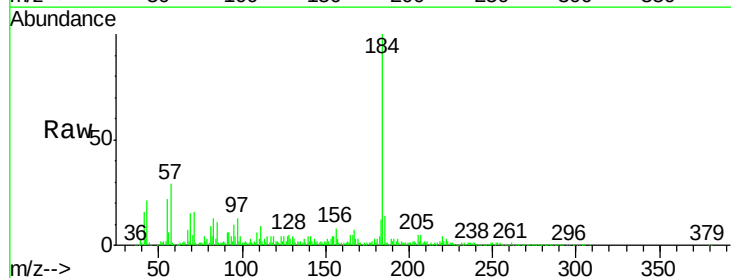
Manual Integrations
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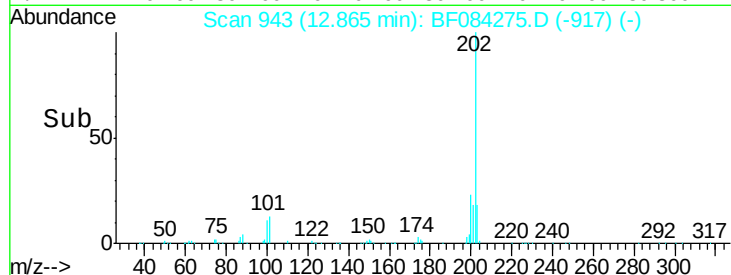
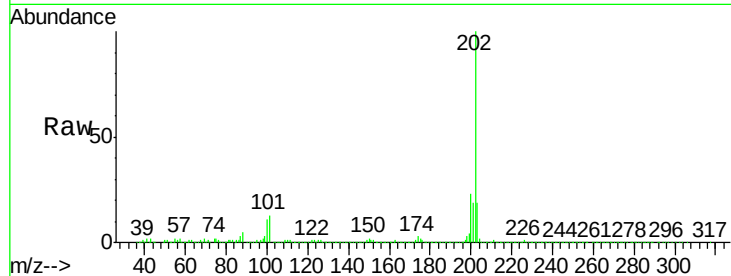
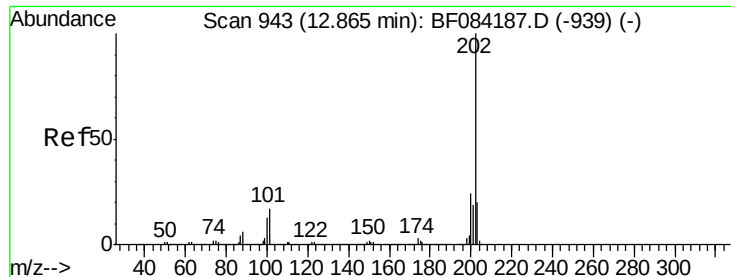
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#76
Benzidine
Concen: 22.68 ng
RT: 12.76 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	13.8	12.2	18.2	
183	12.4	9.8	14.8	





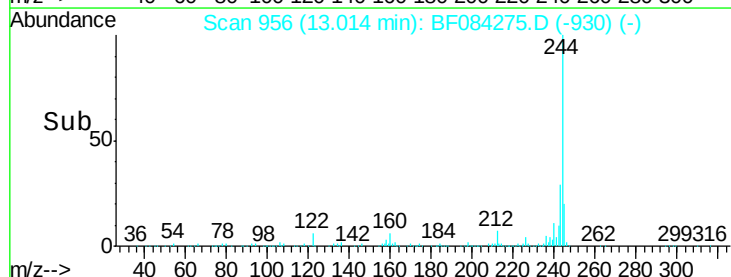
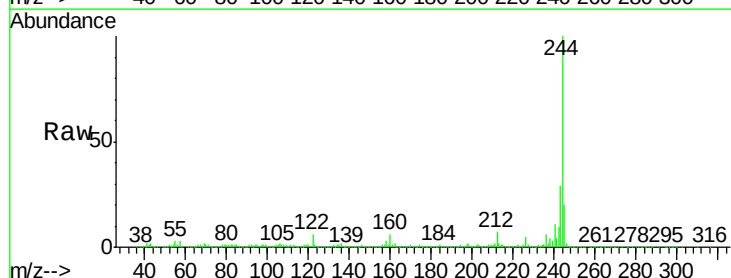
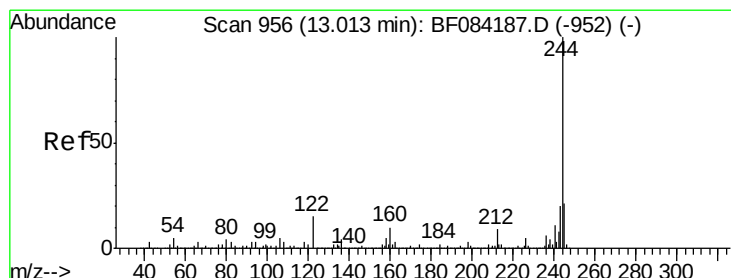
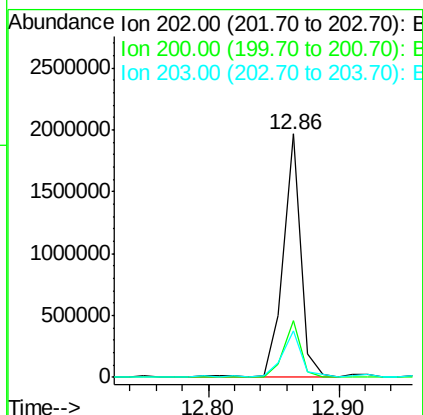
#77
Pvrene
Concen: 49.21 ng
RT: 12.86 min Scan# 943
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	17.2	25.8
203	19.3	14.3	21.5

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

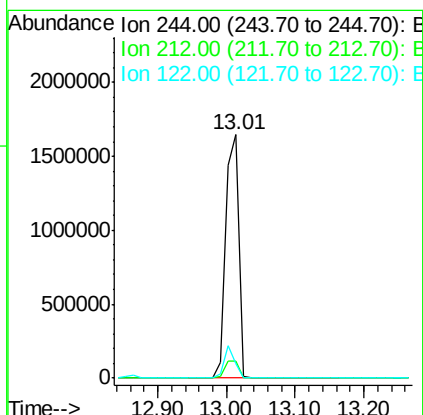
Manual Integrations
APPROVED

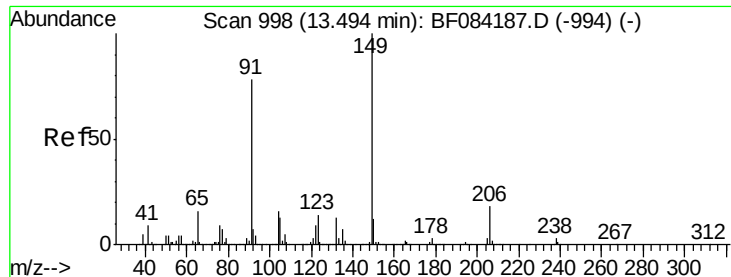
MMdadoda
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#78
Terphenyl-d14
Concen: 102.53 ng
RT: 13.01 min Scan# 956
Delta R.T. 0.00 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	6.1	7.4	11.0





#79

Butylbenzylphthalate

Concen: 51.87 ng

RT: 13.48 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

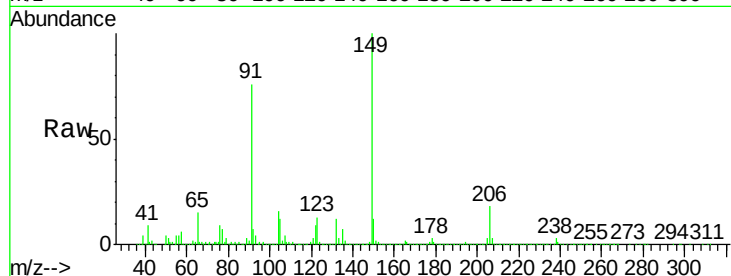
ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:	149	Resp:	844445
Ion Ratio	Lower	Upper	
149	100		
91	76.2	57.6	86.4
206	18.2	13.2	19.8

Manual Integrations
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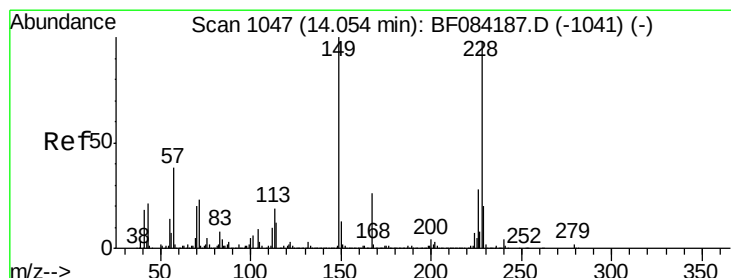
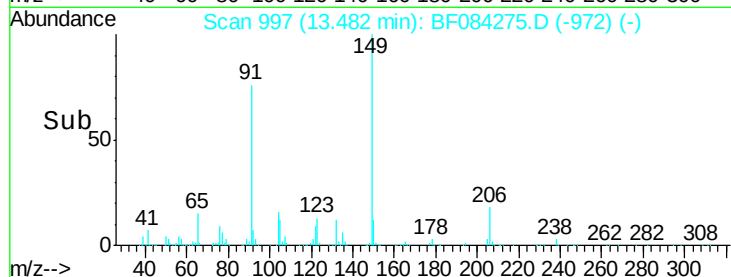
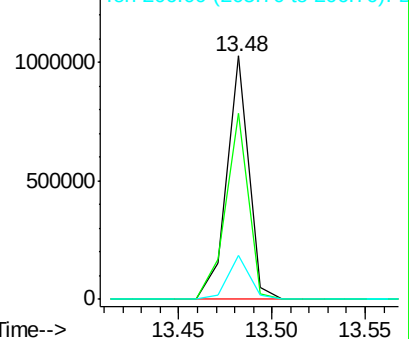
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 51.29 ng

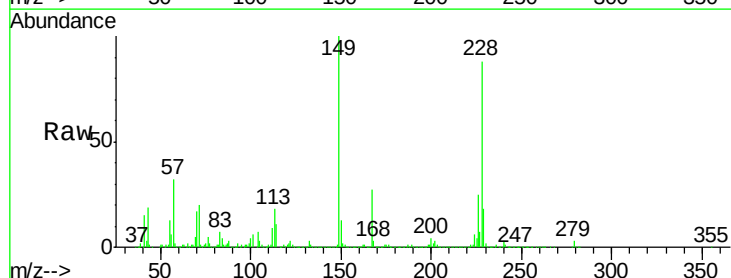
RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

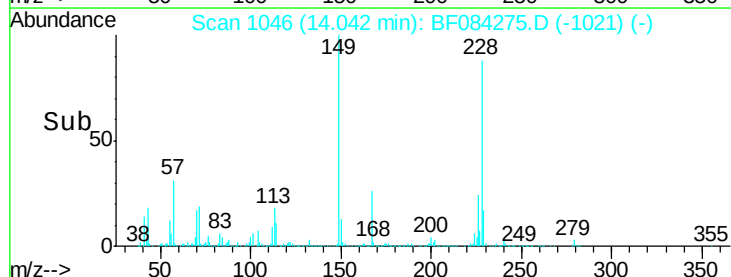
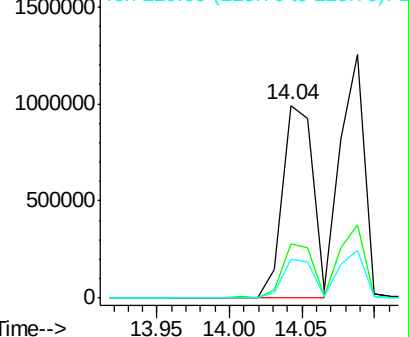
Tgt Ion:	228	Resp:	1443874
Ion Ratio	Lower	Upper	
228	100		
226	28.0	21.8	32.6
229	20.1	15.8	23.8

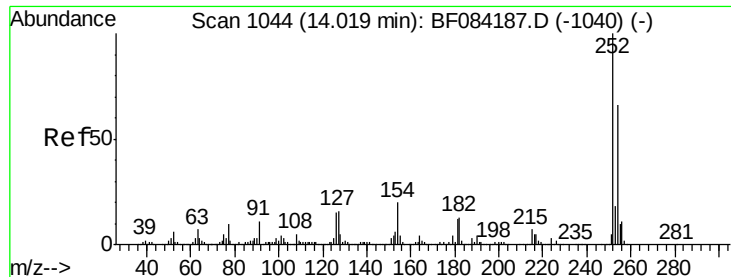


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





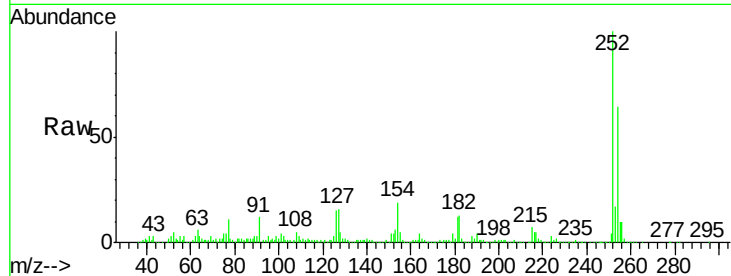
#81
 3,3'-Dichlorobenzidine
 Concen: 41.25 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

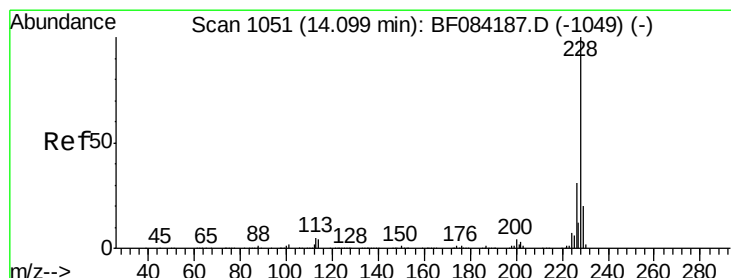
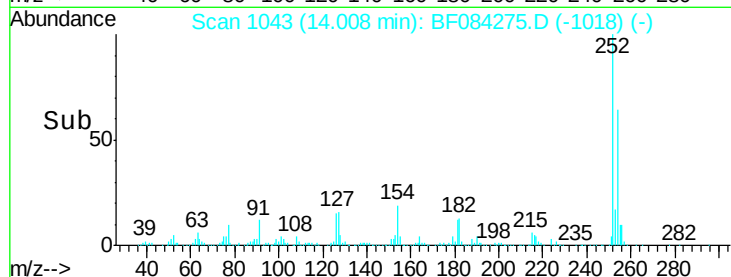
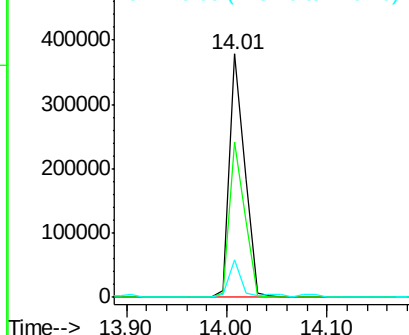
Tot Ion	Ratio	Lower	Upper
252	100		
254	63.9	53.5	80.3
126	15.5	4.9	7.3

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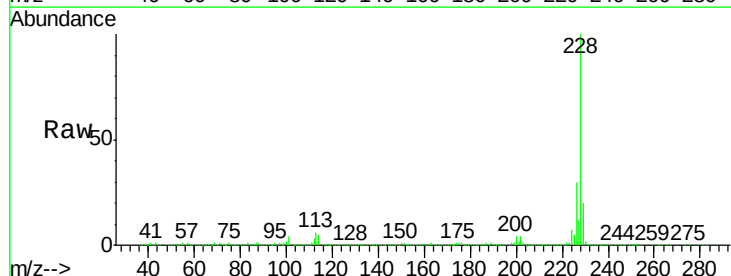


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

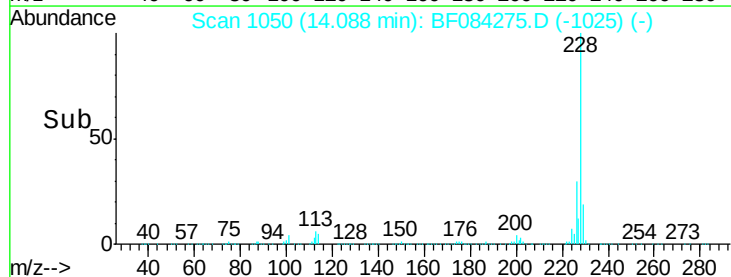
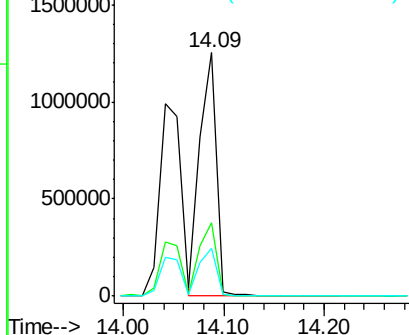


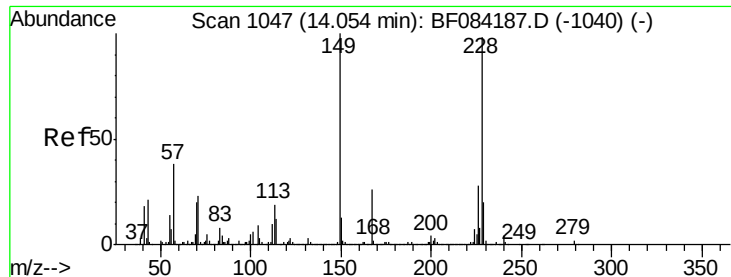
#82
 Chrysene
 Concen: 53.68 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.5	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





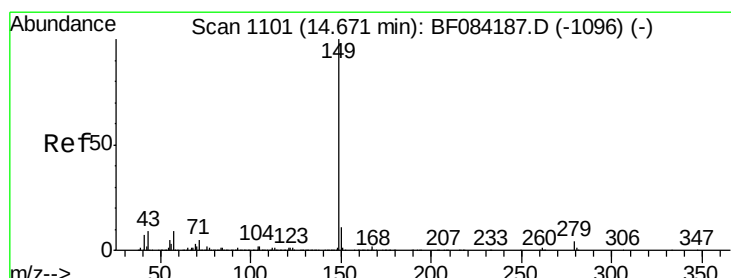
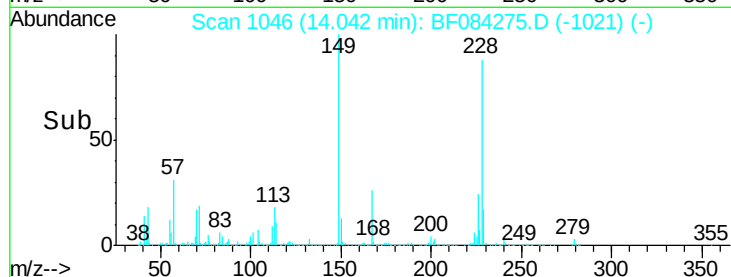
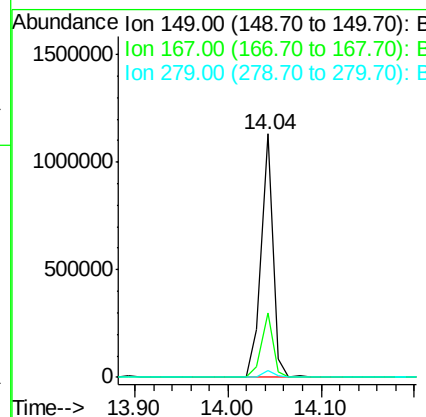
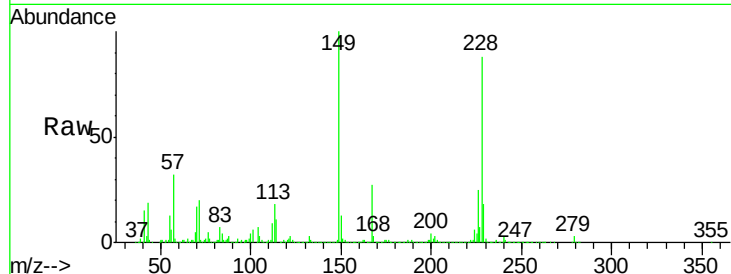
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.42 ng
 RT: 14.04 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.6	19.7	29.5	
279	2.9	1.8	2.6	

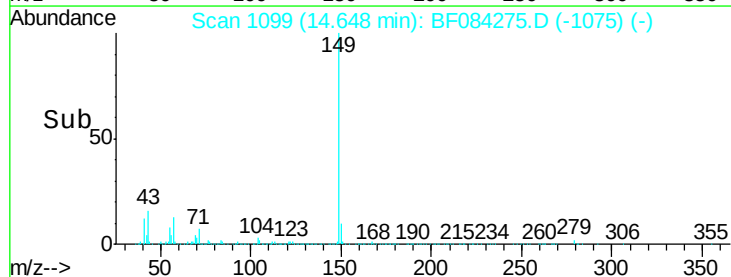
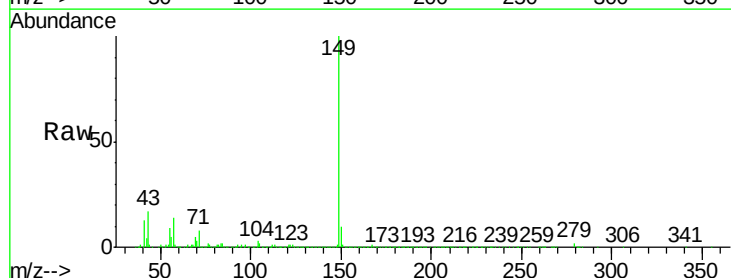
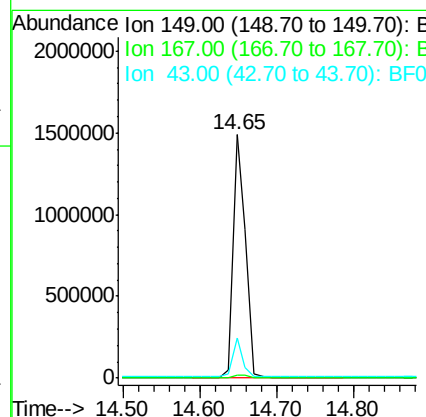
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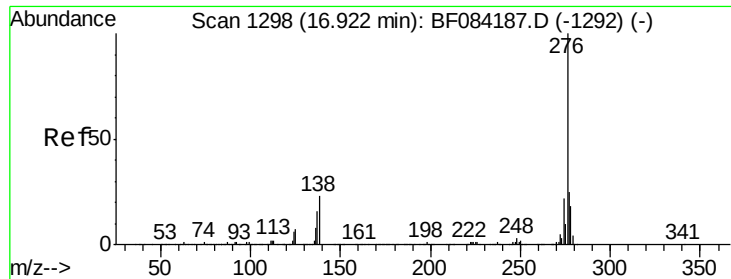
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#84
 Di-n-octyl phthalate
 Concen: 49.01 ng
 RT: 14.65 min Scan# 1099
 Delta R.T. -0.02 min
 Lab File: BF084275.D
 Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.5	1.2	1.8	
43	12.7	5.6	8.4	





#85

Indeno(1,2,3-cd)pyrene

Concen: 76.57 ng

RT: 16.92 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:276 Resp: 1641808

Ion Ratio Lower Upper

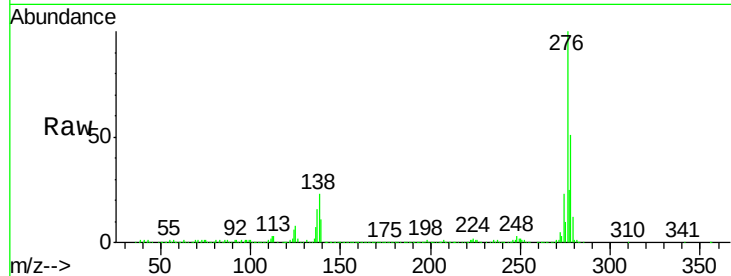
276 100

138 24.8 20.6 30.8

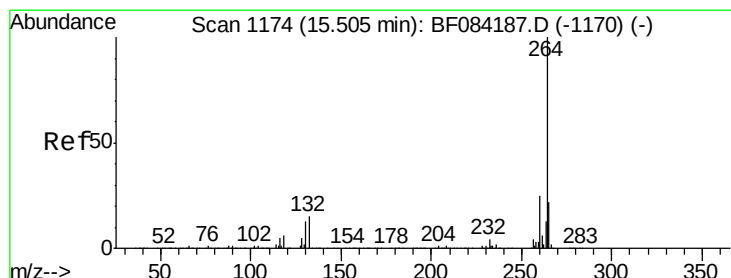
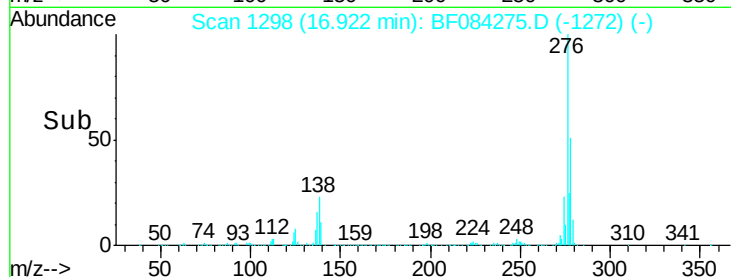
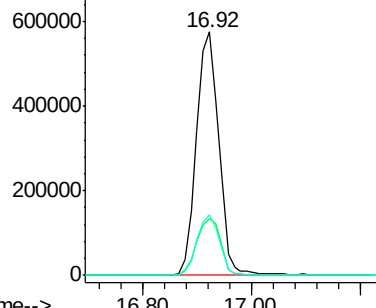
277 25.0 20.1 30.1

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

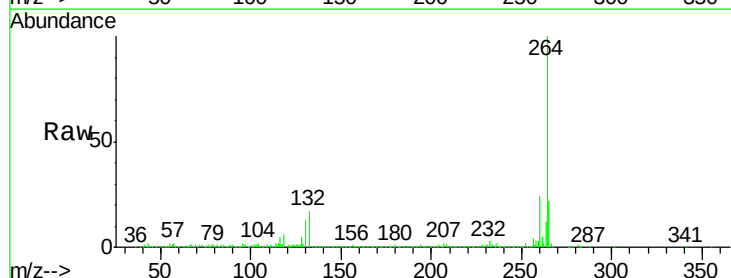
Tgt Ion:264 Resp: 530826

Ion Ratio Lower Upper

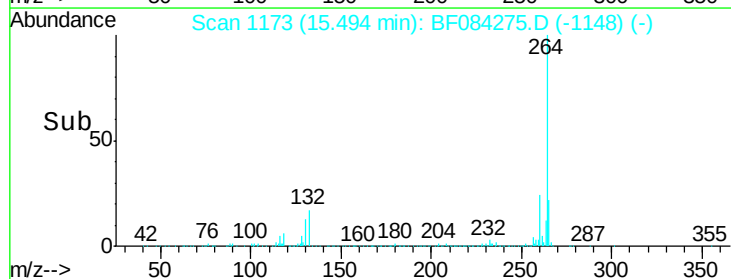
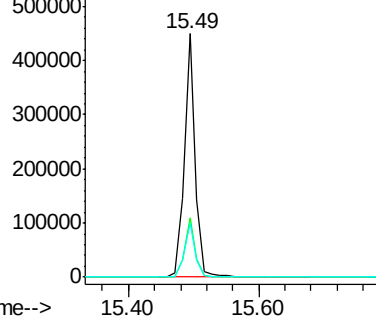
264 100

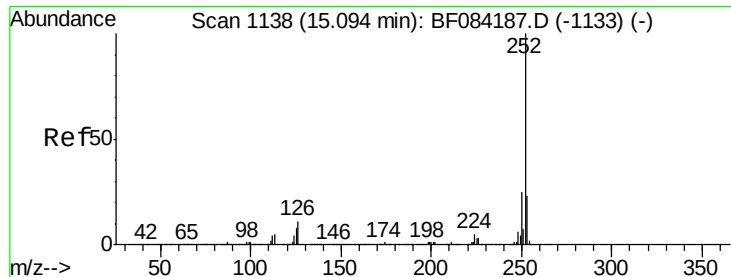
260 24.5 19.4 29.2

265 22.3 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 44.50 ng

RT: 15.08 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Tot Ion:252 Resp: 1545167

Ion Ratio Lower Upper

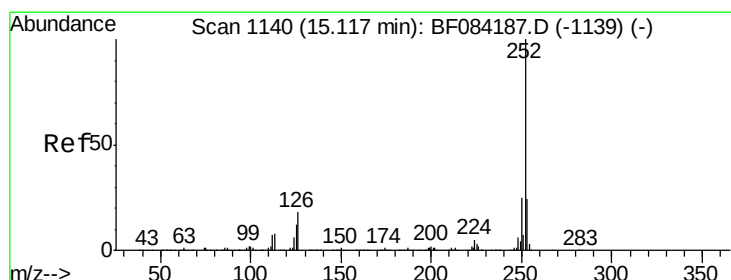
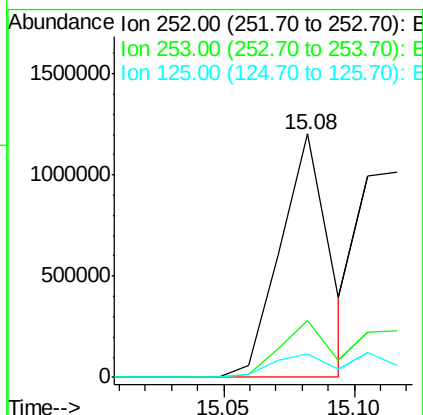
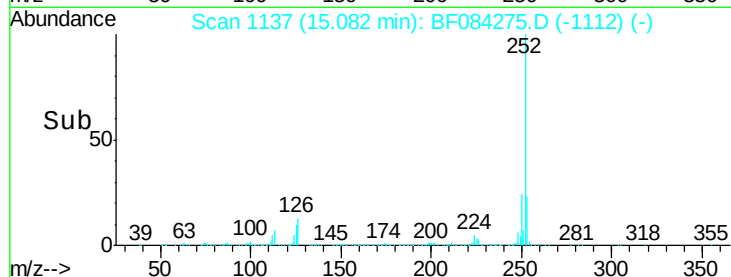
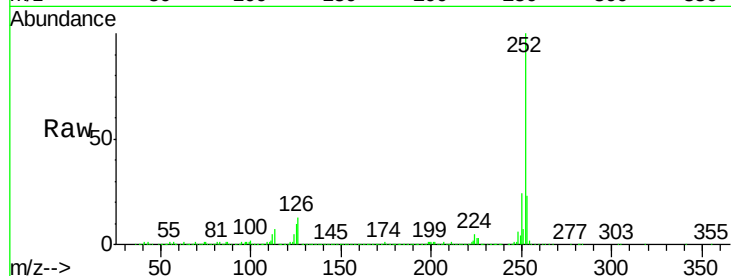
252 100

253 23.1 17.3 25.9

125 9.7 6.5 9.7#

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#88

Benzo(k)fluoranthene

Concen: 50.47 ng m

RT: 15.12 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

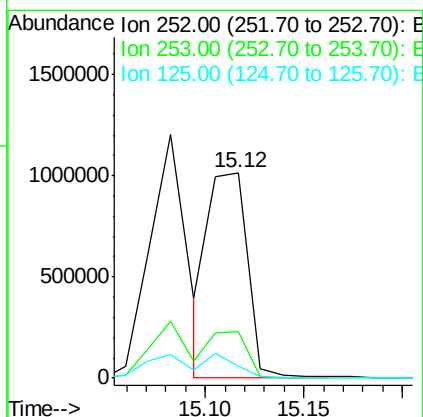
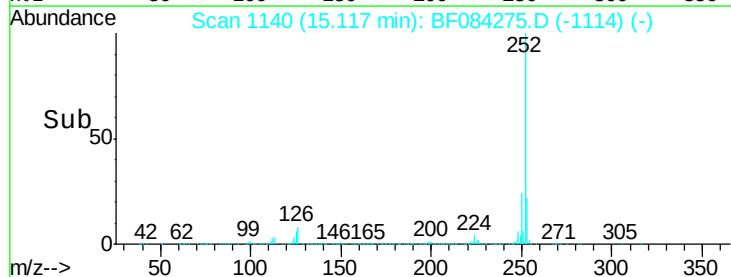
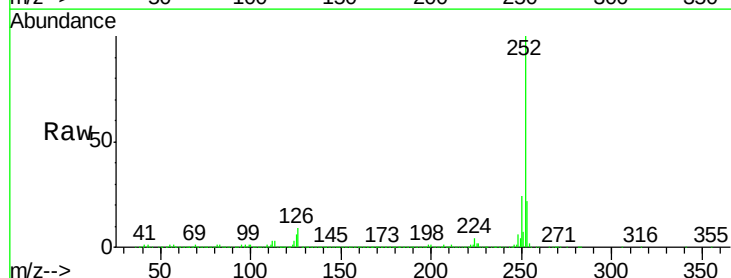
Tgt Ion:252 Resp: 1433159

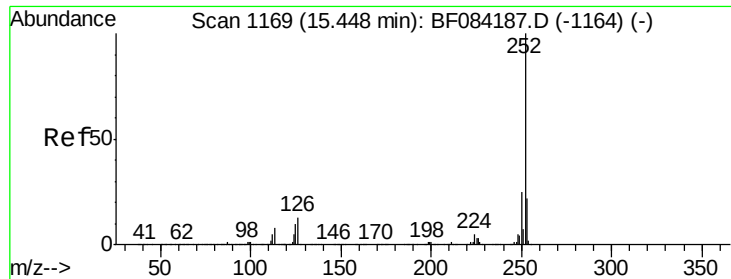
Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 5.9 9.0 13.6#





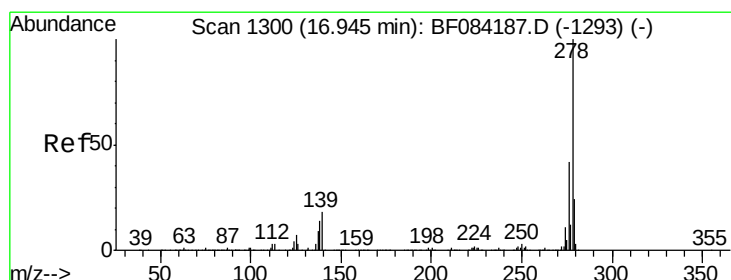
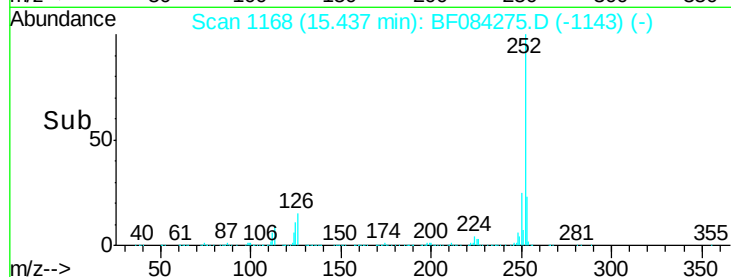
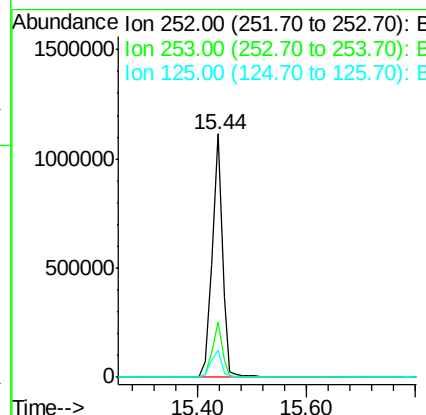
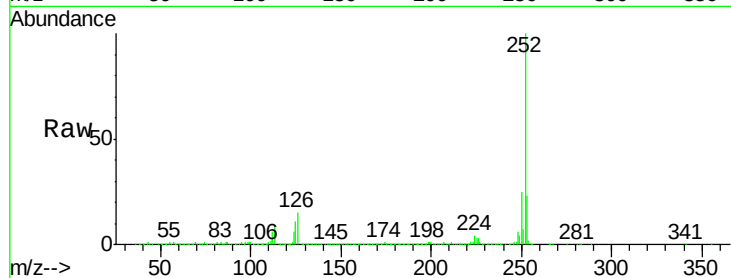
#89
Benzo(a)pyrene
Concen: 50.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Instrument :
BNA_F
ClientSampleId :
PJ-SB-1(20.0-20.5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.5	7.0	10.4

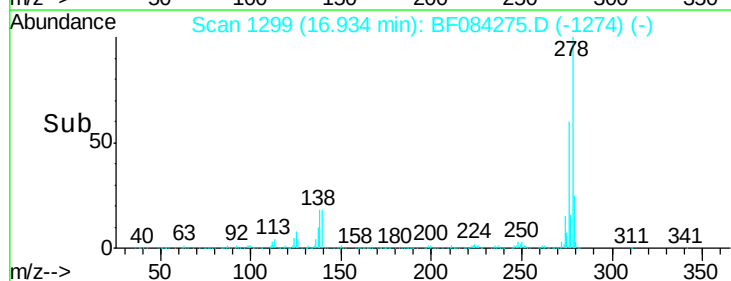
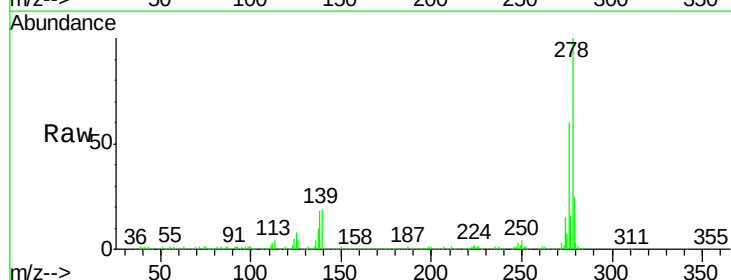
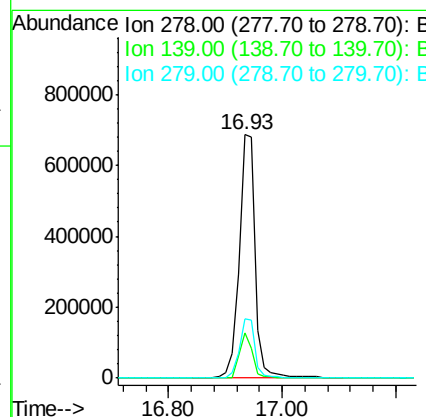
Manual Integrations
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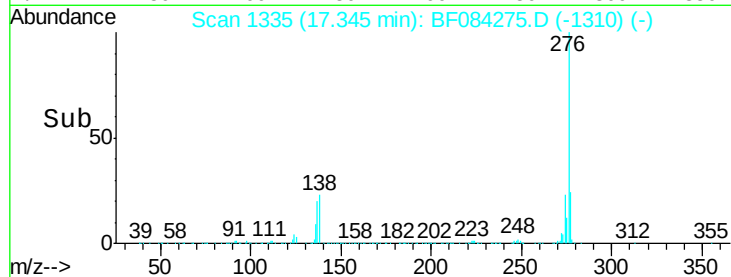
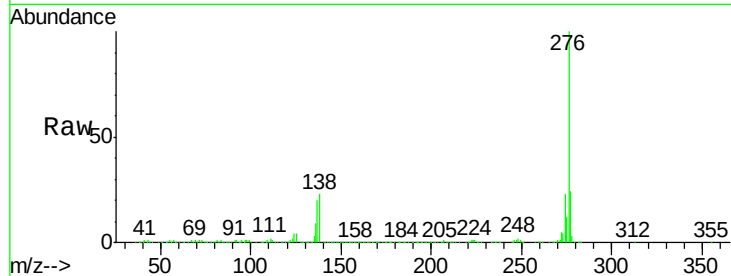
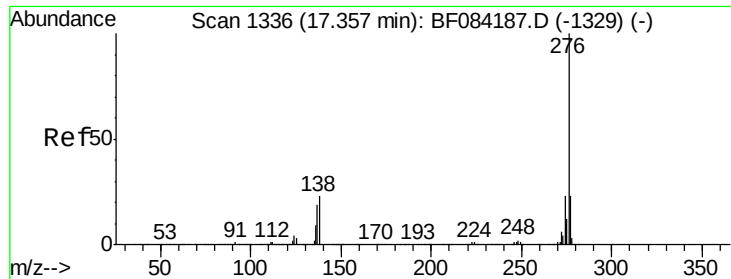
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#90
Dibenzo(a,h)anthracene
Concen: 53.75 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF084275.D
Acq: 5 Jan 2016 9:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.0	22.4
279	24.5	18.9	28.3





#91

Benzo(a,h,i)perylene

Concen: 51.16 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF084275.D

Acq: 5 Jan 2016 9:39

Tot Ion:	276	Resp:	1342847
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.8	28.2
138	23.3	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)MSD

Manual Integrations
APPROVED

MMdadoda
1/5/2016 6:50:06 PM

