

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110515\
 Data File : BF082713.D
 Acq On : 4 Nov 2015 21:09
 Operator : UM/IZ
 Sample : G4241-07MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Manual Integrations
 APPROVED

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 11/5/2015 2:19:48 PM

Quant Time: Nov 05 11:49:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 03 12:27:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	147380	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	545374	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	228565	20.00	ng	0.01
63) Phenanthrene-d10	11.45	188	353952	20.00	ng	0.03
75) Chrysene-d12	14.03	240	408425	20.00	ng	-0.02
86) Perylene-d12	15.46	264	350661	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1463538	149.57	ng	0.00
7) Phenol-d6	6.51	99	1946578	149.74	ng	0.00
23) Nitrobenzene-d5	7.44	82	1330620	99.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	383928	153.48	ng	0.03
44) 2-Fluorobiphenyl	9.25	172	1742432	108.24	ng	0.00
78) Terphenyl-d14	13.00	244	1618074	86.70	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	167956	37.13	ng	95
3) Pyridine	3.23	79	519608	39.18	ng	98
4) n-Nitrosodimethylamine	3.17	42	294031	39.38	ng	92
6) Aniline	6.52	93	676714	37.39	ng	# 1
8) 2-Chlorophenol	6.66	128	539918	51.00	ng	98
9) Benzaldehyde	6.41	77	196077	22.09	ng	90
10) Phenol	6.52	94	835460	56.72	ng	92
11) bis(2-Chloroethyl)ether	6.60	93	498610	45.88	ng	93
12) 1,3-Dichlorobenzene	6.81	146	543575	45.02	ng	# 93
13) 1,4-Dichlorobenzene	6.89	146	590415	49.31	ng	95
14) 1,2-Dichlorobenzene	7.05	146	530261	47.71	ng	98
15) Benzyl Alcohol	7.01	79	605704	49.97	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	751970	43.54	ng	92
17) 2-Methylphenol	7.13	107	423934	47.09	ng	98
18) Hexachloroethane	7.39	117	289976	62.06	ng	# 84
19) n-Nitroso-di-n-propylamine	7.29	70	463998	47.09	ng	94
20) 3+4-Methylphenols	7.29	107	581855	49.74	ng	93
22) Acetophenone	7.29	105	812623	50.61	ng	# 95
24) Nitrobenzene	7.45	77	638395	47.29	ng	# 87
25) Isophorone	7.70	82	1214256	49.42	ng	# 91
26) 2-Nitrophenol	7.77	139	245080	49.70	ng	92
27) 2,4-Dimethylphenol	7.81	122	458837	47.67	ng	97
28) bis(2-Chloroethoxy)methane	7.90	93	657172	48.90	ng	94
29) 2,4-Dichlorophenol	8.02	162	450928	51.39	ng	91
30) 1,2,4-Trichlorobenzene	8.10	180	460031	47.24	ng	97
31) Naphthalene	8.18	128	1495206	50.67	ng	100
32) Benzoic acid	7.92	122	107592	15.41	ng	# 71
33) 4-Chloroaniline	8.22	127	452098	35.88	ng	95
34) Hexachlorobutadiene	8.32	225	293320	47.36	ng	98
35) Caprolactam	8.61	113	354346	131.62	ng	# 12
36) 4-Chloro-3-methylphenol	8.72	107	489195	47.34	ng	95
37) 2-Methylnaphthalene	8.89	142	1308658	68.42	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	401182	52.60	ng	# 95
40) Hexachlorocyclopentadiene	9.05	237	452844	94.44	ng	100

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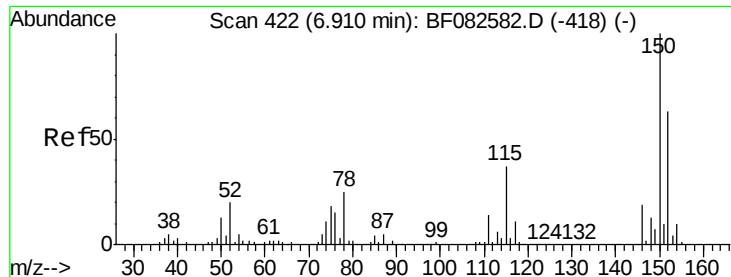
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	329732m	59.87	nq	
43) 2,4,5-Trichlorophenol	9.21	196	276226m	50.34	nq	
45) 1,1'-Biphenyl	9.36	154	1019797	52.82	nq	97
46) 2-Chloronaphthalene	9.38	162	765763	50.79	nq	92
47) 2-Nitroaniline	9.46	65	303169	51.73	nq	89
48) Acenaphthylene	9.81	152	1277157	52.96	nq	# 92
49) Dimethylphthalate	9.65	163	1244165	66.65	nq	# 94
50) 2,6-Dinitrotoluene	9.72	165	148510	38.38	nq	# 75
51) Acenaphthene	9.97	154	729413	47.65	nq	96
52) 3-Nitroaniline	9.87	138	191156	44.41	nq	# 71
53) 2,4-Dinitrophenol	9.98	184	166508	80.72	nq	# 23
54) Dibenzofuran	10.16	168	993400	47.82	nq	# 87
55) 4-Nitrophenol	10.03	139	366647	113.21	nq	# 72
56) 2,4-Dinitrotoluene	10.12	165	226544	43.30	nq	# 85
57) Fluorene	10.51	166	947977	56.58	nq	# 88
58) 2,3,4,6-Tetrachlorophenol	10.28	232	178028	38.39	nq	# 20
59) Diethylphthalate	10.36	149	828401	43.59	nq	# 90
60) 4-Chlorophenyl-phenylether	10.50	204	342225	42.02	nq	# 71
61) 4-Nitroaniline	10.48	138	146805	35.74	nq	87
62) Azobenzene	10.66	77	570174	26.61	nq	81
64) 4,6-Dinitro-2-methylphenol	10.54	198	104550	48.97	nq	# 1
65) n-Nitrosodiphenylamine	10.60	169	1622726	133.37	nq	88
66) 4-Bromophenyl-phenylether	10.99	248	237709	59.26	nq	# 53
67) Hexachlorobenzene	11.08	284	226039	50.82	nq	90
68) Atrazine	11.14	200	258823	65.02	nq	68
69) Pentachlorophenol	11.25	266	292414	99.71	nq	98
70) Phenanthrene	11.47	178	1399619	70.11	nq	# 92
71) Anthracene	11.53	178	1120542m	55.75	nq	
72) Carbazole	11.67	167	908491	51.89	nq	# 92
73) Di-n-butylphthalate	12.00	149	1156886	51.91	nq	98
74) Fluoranthene	12.65	202	1148275	56.26	nq	97
76) Benzidine	12.74	184	527425	28.63	nq	# 88
77) Pyrene	12.87	202	1162956	38.45	nq	98
79) Butylbenzylphthalate	13.46	149	626669	47.31	nq	88
80) Benzo(a)anthracene	14.02	228	1081557	41.69	nq	98
81) 3,3'-Dichlorobenzidine	13.99	252	384347	42.99	nq	# 96
82) Chrysene	14.05	228	1007156m	42.83	nq	
83) Bis(2-ethylhexyl)phthalate	14.02	149	829849	48.33	nq	99
84) Di-n-octyl phthalate	14.64	149	1350547	50.42	nq	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	1104168	56.90	nq	99
87) Benzo(b)fluoranthene	15.05	252	1297599m	53.66	nq	
88) Benzo(k)fluoranthene	15.08	252	678622m	36.84	nq	
89) Benzo(a)pyrene	15.40	252	918688	48.24	nq	98
90) Dibenzo(a,h)anthracene	16.89	278	925992	52.12	nq	# 97
91) Benzo(g,h,i)perylene	17.29	276	901155	52.33	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

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Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

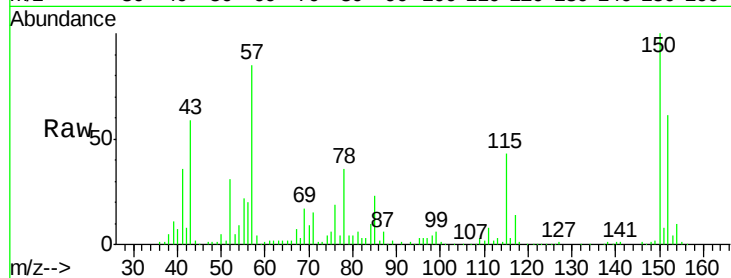
ClientSampleId :

TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	127.0	190.4
115	70.7	47.0	70.6

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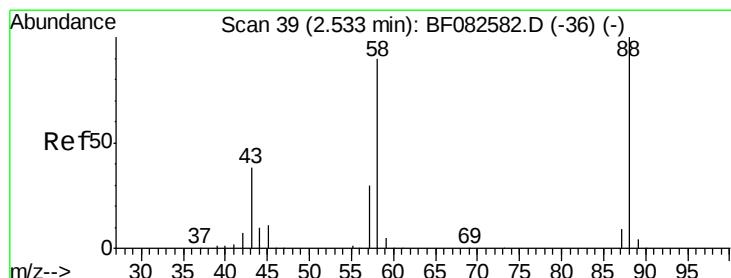
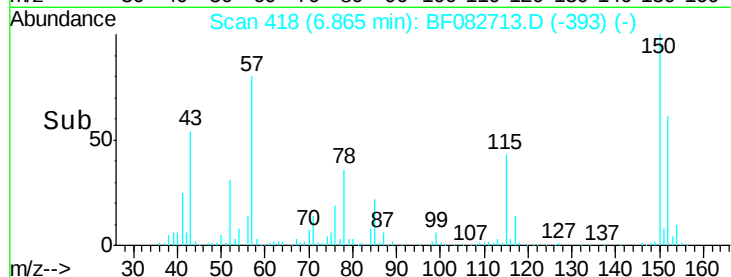
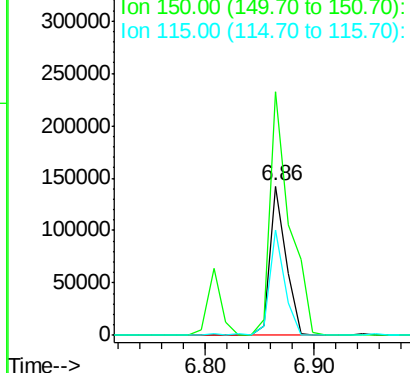


Abundance

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: 37.13 ng

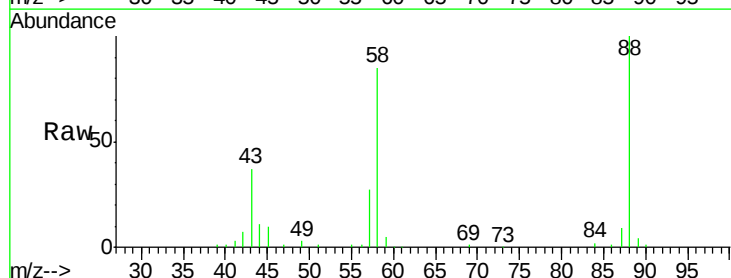
RT: 2.50 min Scan# 36

Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.0	62.0	93.0
43	36.6	26.6	40.0

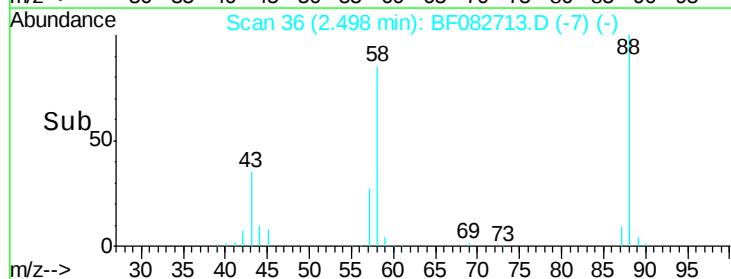
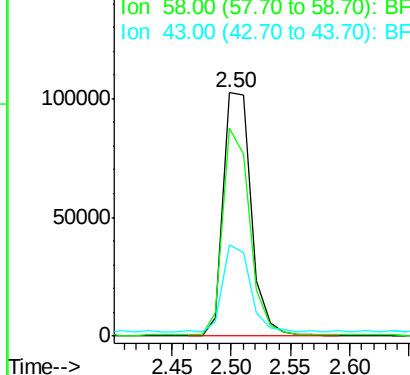


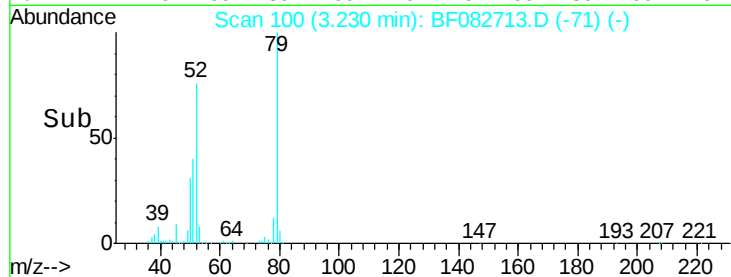
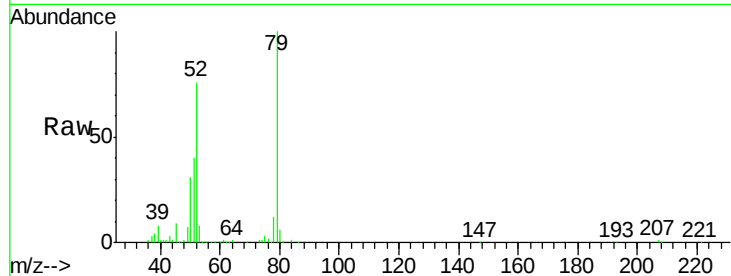
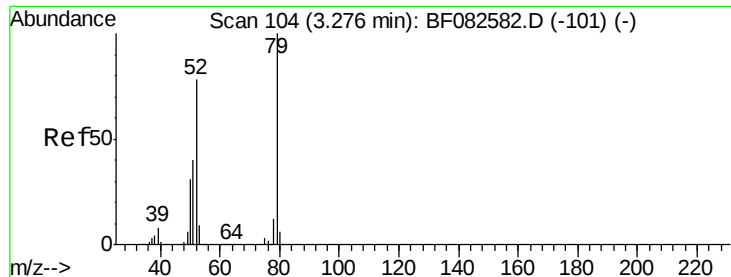
Abundance

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: 39.18 ng

RT: 3.23 min Scan# 100

Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tot Ion:	79	Resp:	519608
Ion Ratio	Lower	Upper	
79	100		
52	76.5	62.8	94.2
51	39.9	32.0	48.0

Instrument :

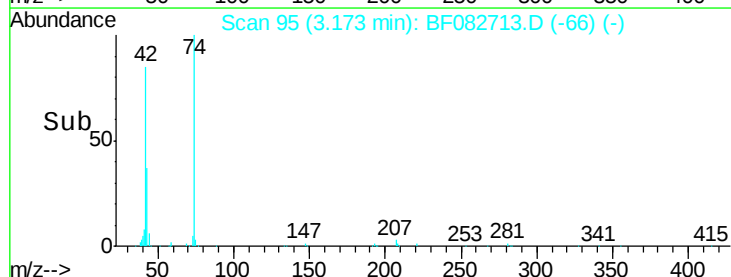
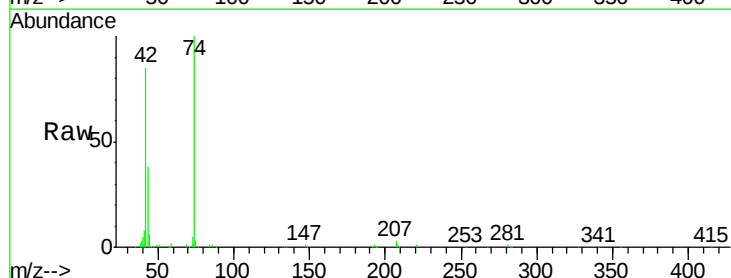
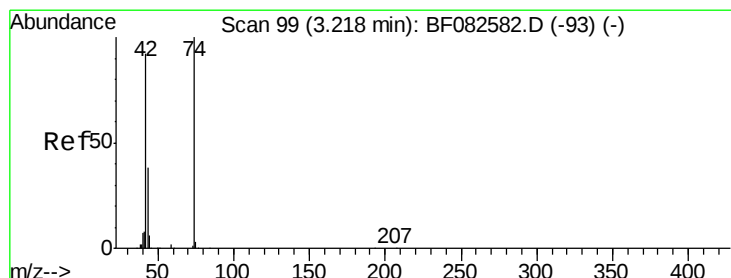
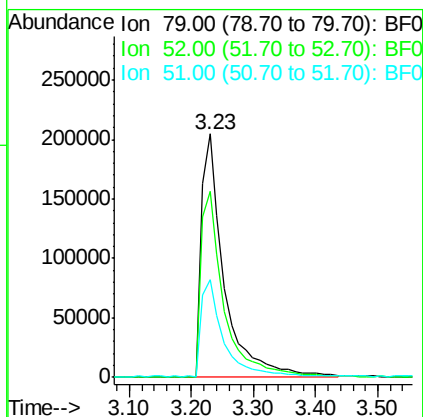
BNA_F

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TP-15(3)MSD

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#4

n-Nitrosodimethylamine

Concen: 39.38 ng

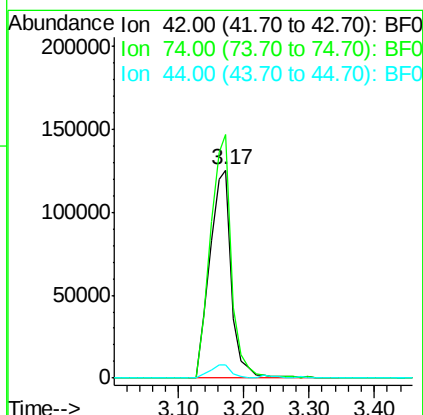
RT: 3.17 min Scan# 95

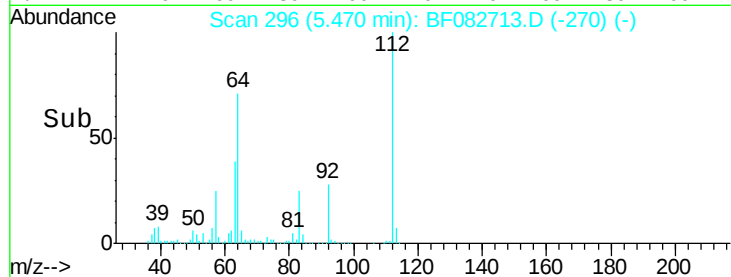
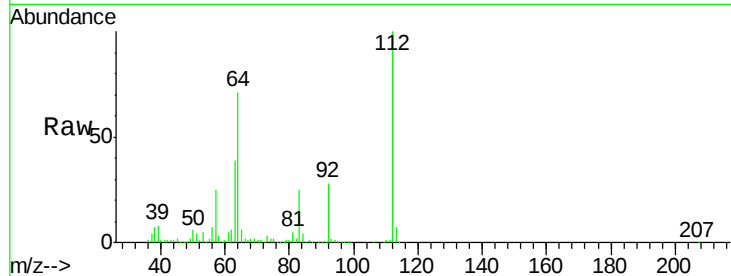
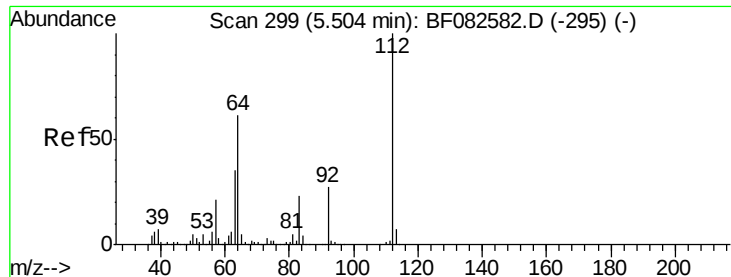
Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	42	Resp:	294031
Ion Ratio	Lower	Upper	
42	100		
74	117.1	87.0	130.4
44	6.5	5.8	8.8





#5

2-Fluorophenol

Concen: 149.57 ng

RT: 5.47 min Scan# 296

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tot Ion:	112	Resp:	1463538
Ion	Ratio	Lower	Upper
112	100		
64	71.0	48.9	73.3
63	38.8	28.1	42.1

Instrument :

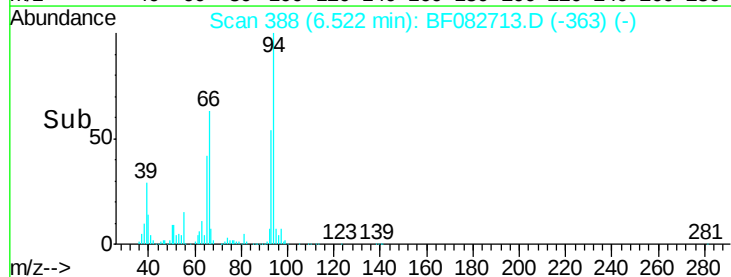
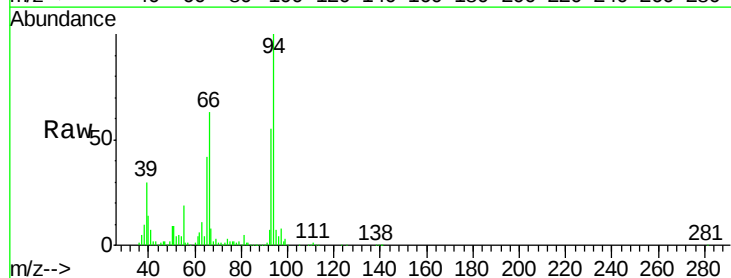
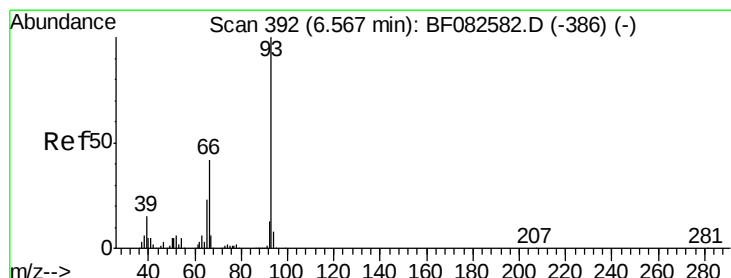
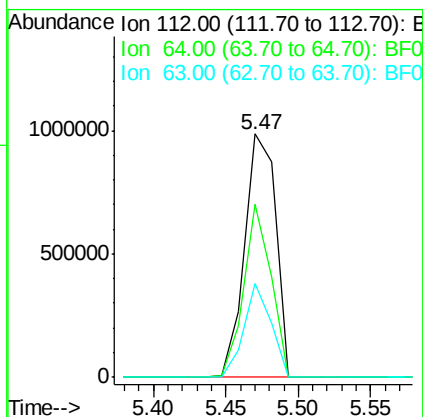
BNA_F

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TP-15(3)MSD

Manual Integrations
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#6

Aniline

Concen: 37.39 ng

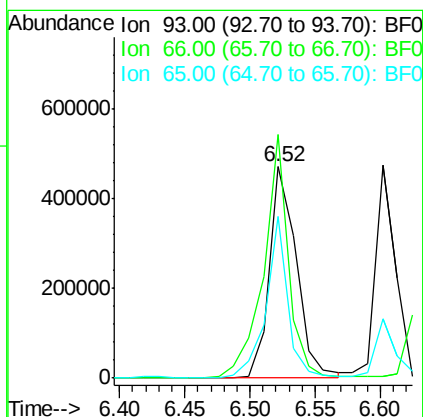
RT: 6.52 min Scan# 388

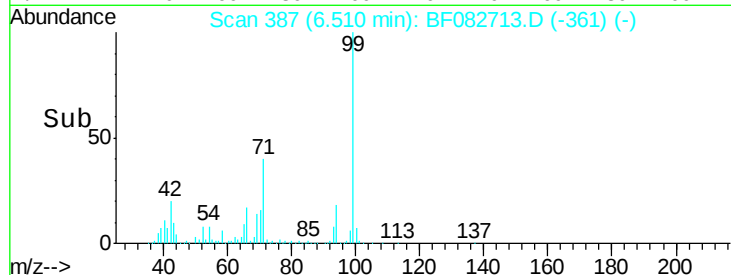
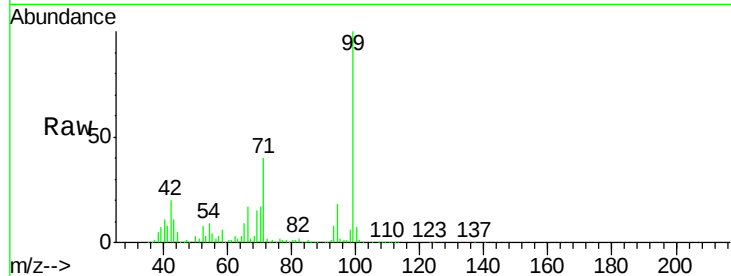
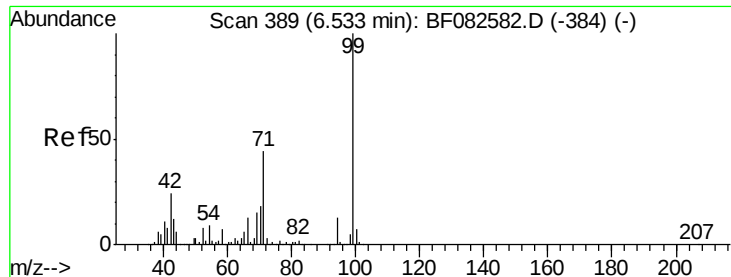
Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	93	Resp:	676714
Ion	Ratio	Lower	Upper
93	100		
66	115.2	33.6	50.4#
65	76.6	18.1	27.1#





#7

Phenol-d6

Concen: 149.74 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tot Ion:	99	Resp:	1946578
Ion	Ratio	Lower	Upper
99	100		
42	19.8	19.2	28.8
71	39.8	35.0	52.4

Instrument :

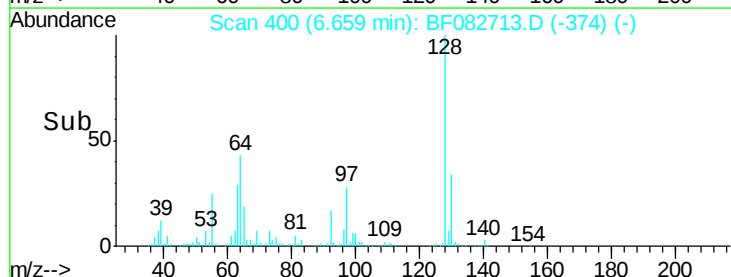
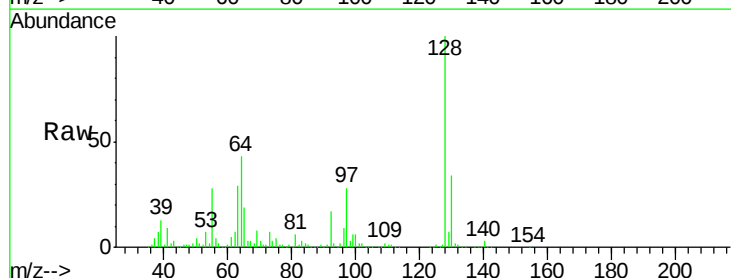
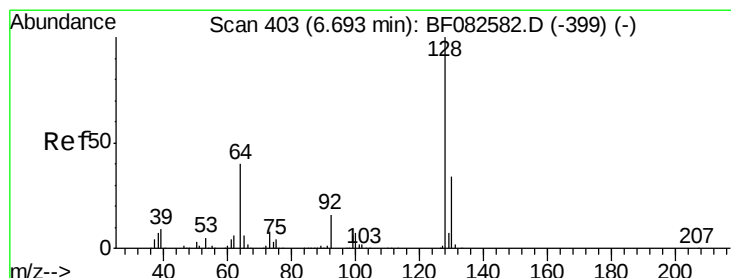
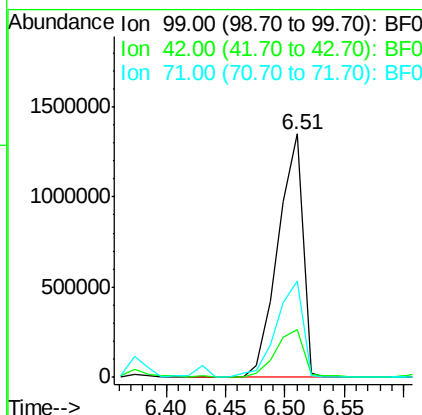
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#8

2-Chlorophenol

Concen: 51.00 ng

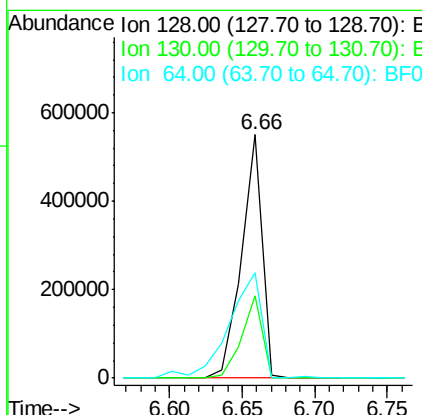
RT: 6.66 min Scan# 400

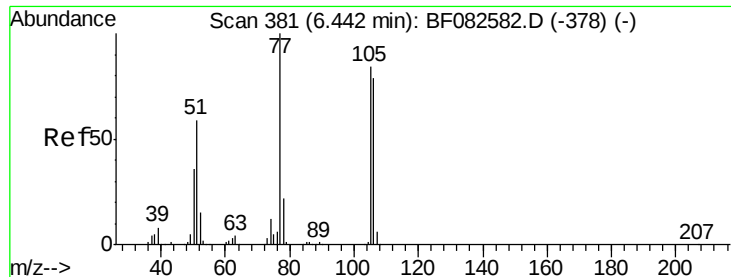
Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	128	Resp:	539918
Ion	Ratio	Lower	Upper
128	100		
130	33.7	13.5	53.5
64	43.4	21.1	61.1





#9

Benzaldehyde

Concen: 22.09 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

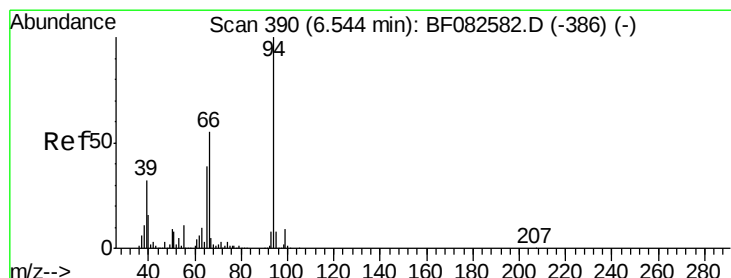
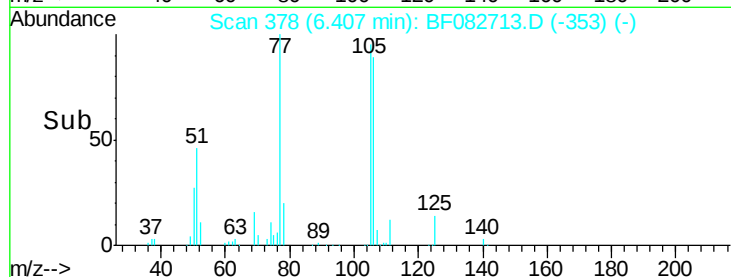
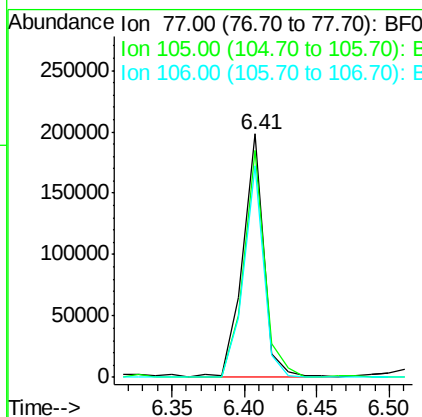
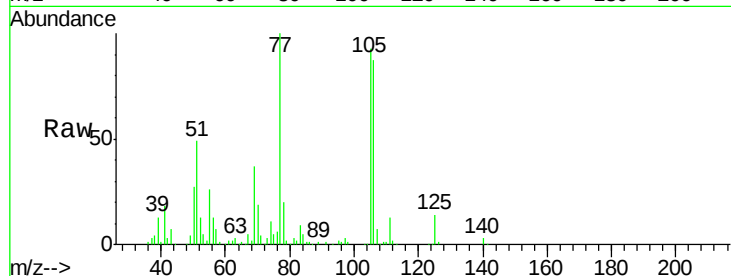
ClientSampleId :

TP-15(3)MSD

Tot Ion:	77	Resp:	196077
Ion Ratio	Lower	Upper	
77	100		
105	93.2	63.5	103.5
106	87.0	59.3	99.3

Manual Integrations
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#10

Phenol

Concen: 56.72 ng

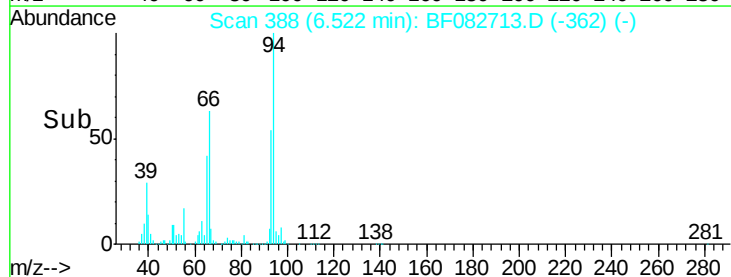
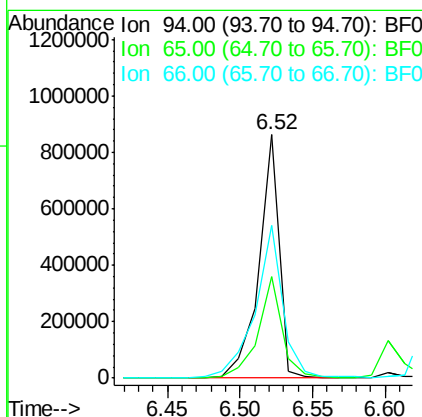
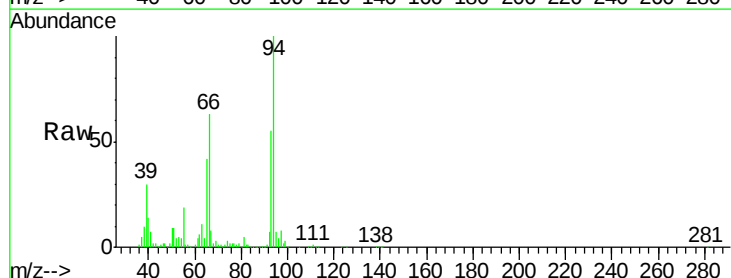
RT: 6.52 min Scan# 388

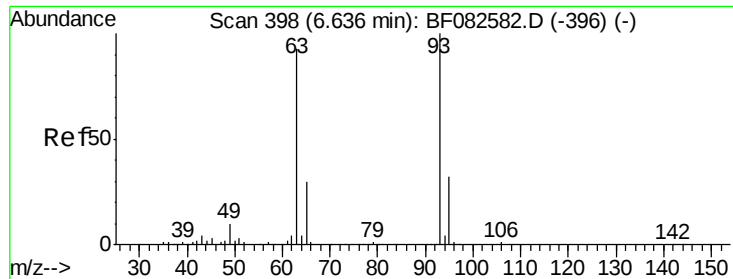
Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	94	Resp:	835460
Ion Ratio	Lower	Upper	
94	100		
65	41.8	18.9	58.9
66	62.8	34.9	74.9





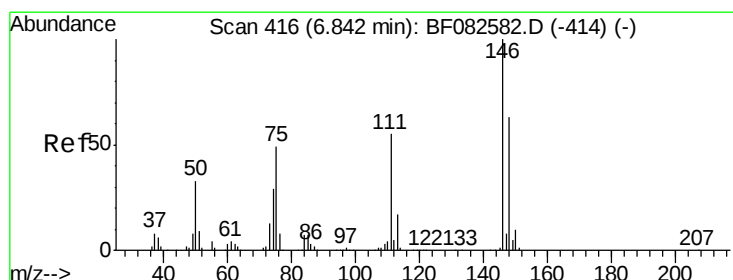
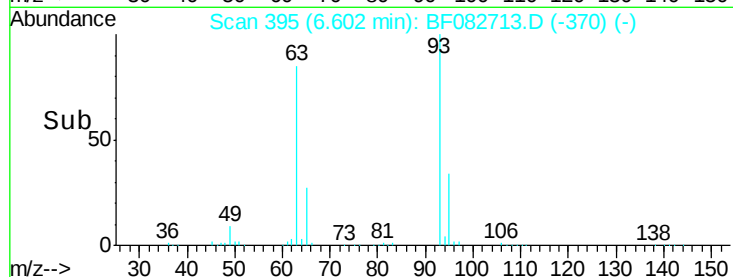
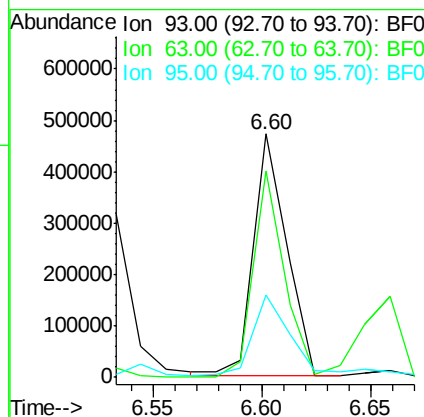
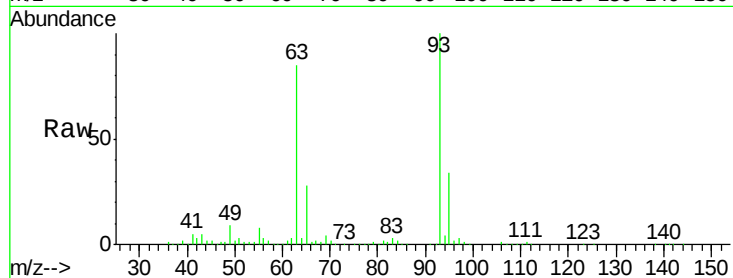
#11
bis(2-Chloroethyl)ether
Concen: 45.88 ng
RT: 6.60 min Scan# 395
Delta R.T. -0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		498610		
63	84.9	72.7	112.7		
95	34.0	12.0	52.0		

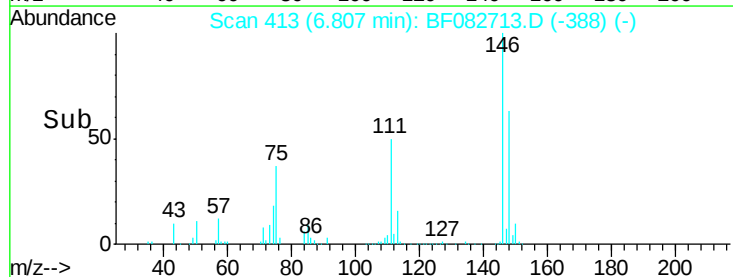
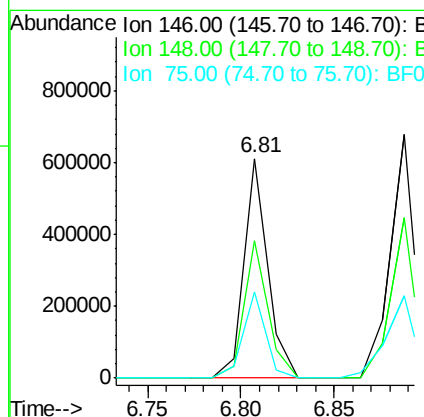
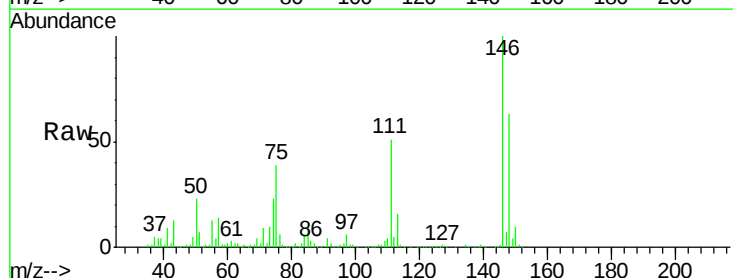
Manual Integrations
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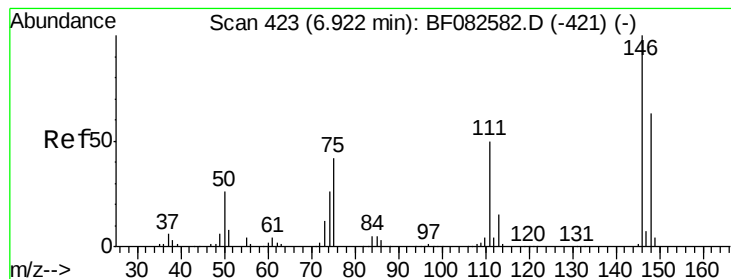
Mmdadoda
11/5/2015 2:19:48 PM



#12
1,3-Dichlorobenzene
Concen: 45.02 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		543575		
148	62.7	50.5	75.7		
75	39.5	39.5	59.3#		





#13

1,4-Dichlorobenzene

Concen: 49.31 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

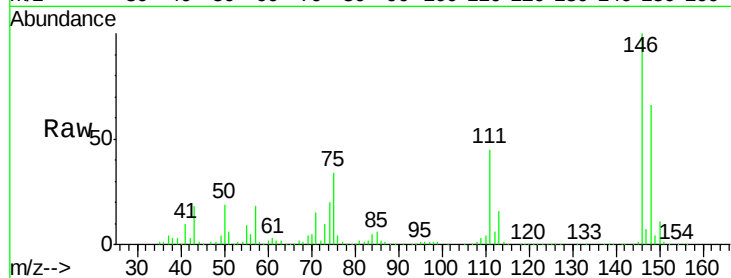
ClientSampleId :

TP-15(3)MSD

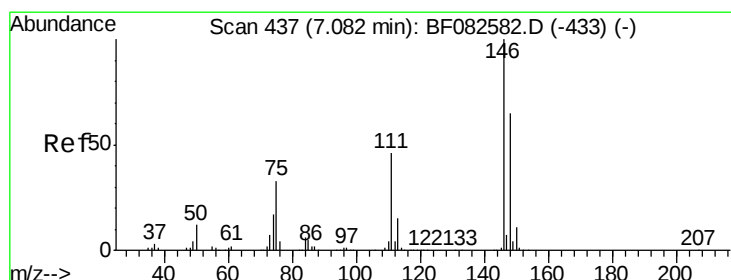
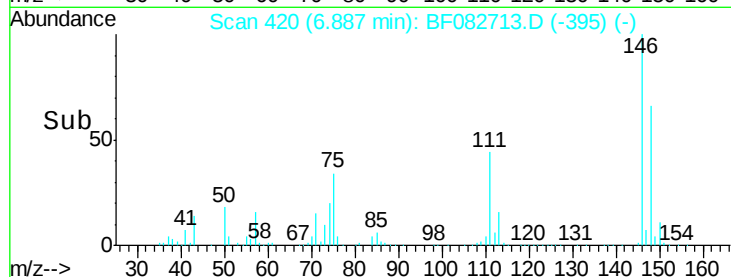
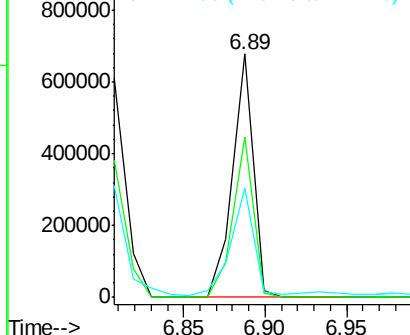
Tot Ion:	146	Resp:	590415
Ion Ratio	Lower	Upper	
146	100		
148	65.8	50.8	76.2
111	44.8	40.6	60.8

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 47.71 ng

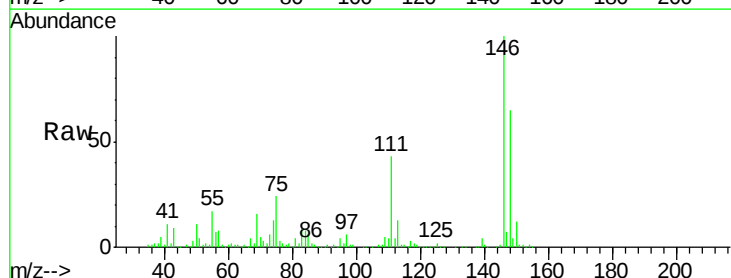
RT: 7.05 min Scan# 434

Delta R.T. -0.01 min

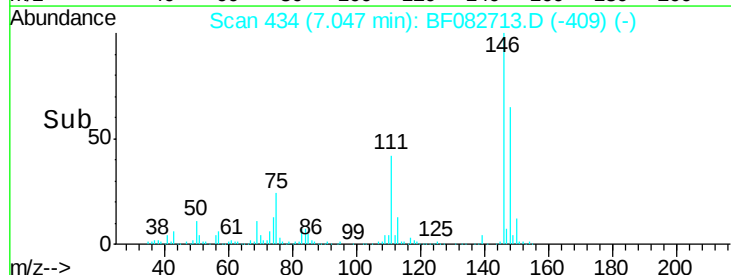
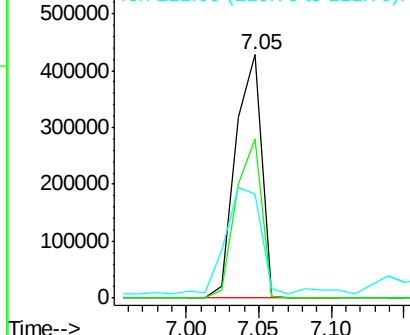
Lab File: BF082713.D

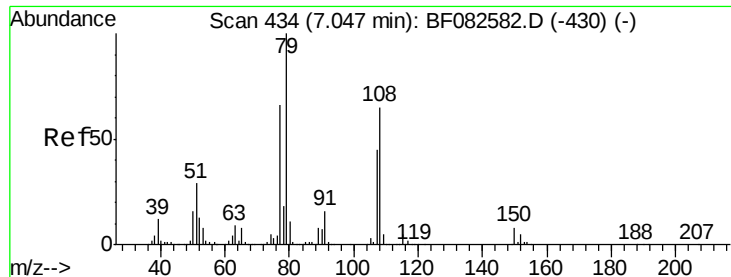
Acq: 4 Nov 2015 21:09

Tgt Ion:	146	Resp:	530261
Ion Ratio	Lower	Upper	
146	100		
148	65.4	52.2	78.4
111	42.8	36.6	55.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 49.97 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

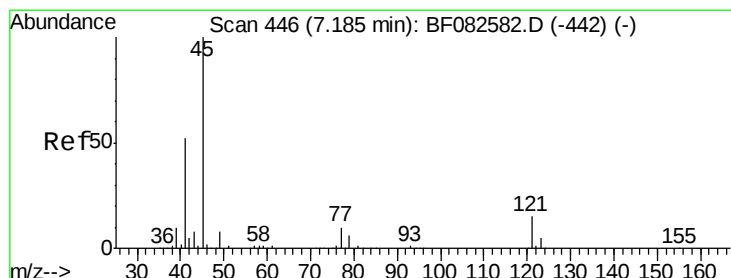
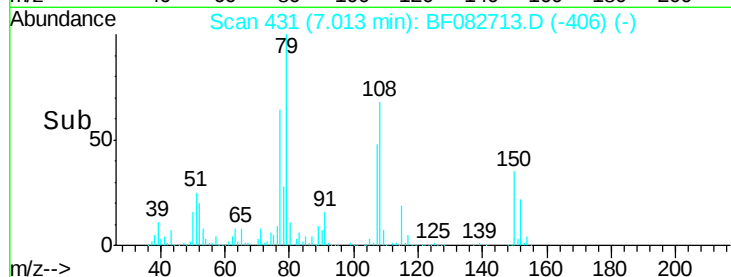
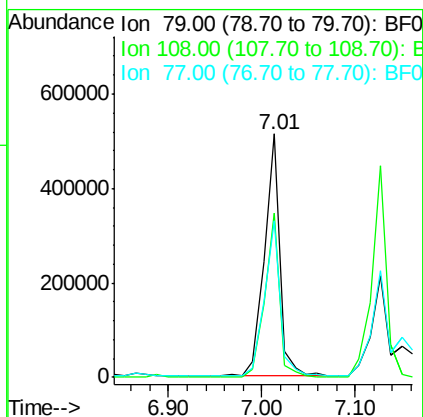
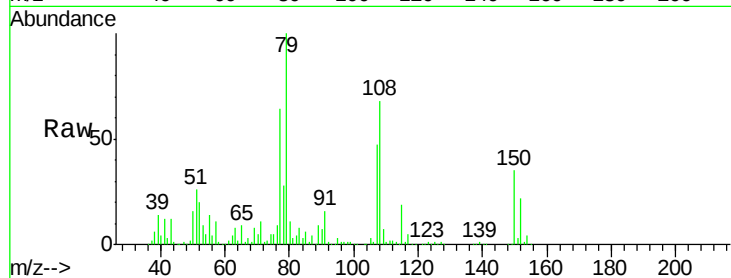
ClientSampleId :

TP-15(3)MSD

Tot Ion:	79	Resp:	605704
Ion Ratio	Lower	Upper	
79	100		
108	67.7	52.2	78.4
77	64.2	52.7	79.1

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.54 ng

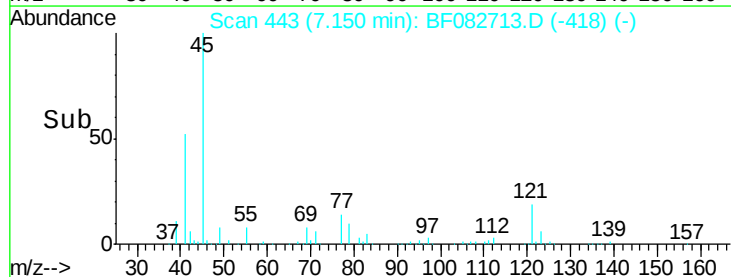
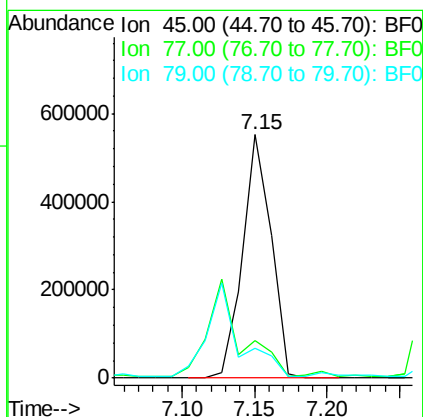
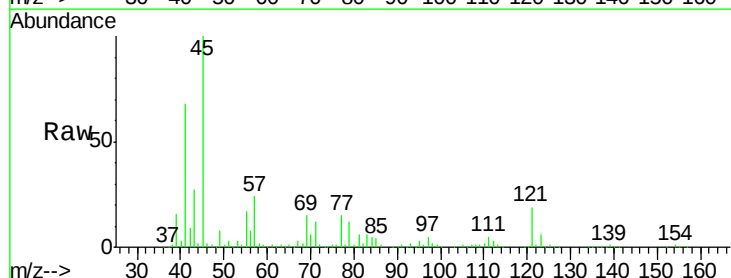
RT: 7.15 min Scan# 443

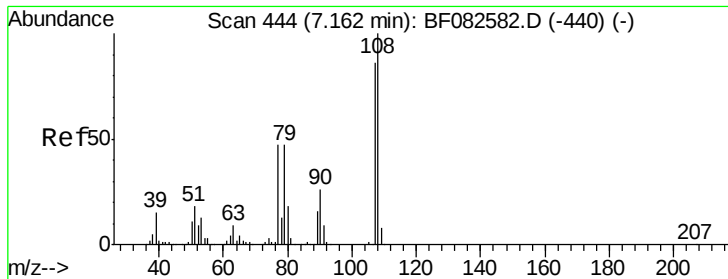
Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	45	Resp:	751970
Ion Ratio	Lower	Upper	
45	100		
77	15.5	0.0	32.6
79	12.1	0.0	29.2





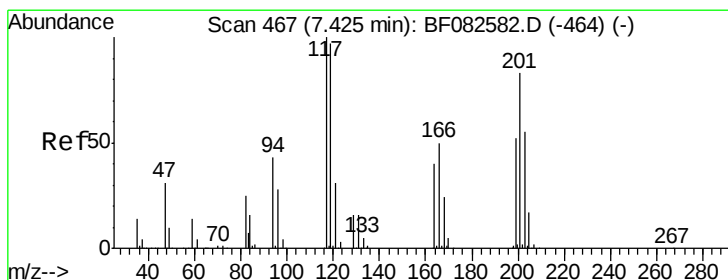
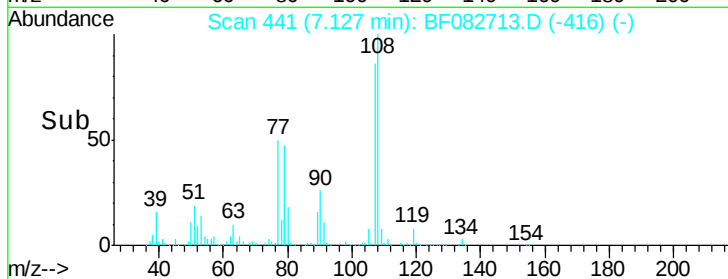
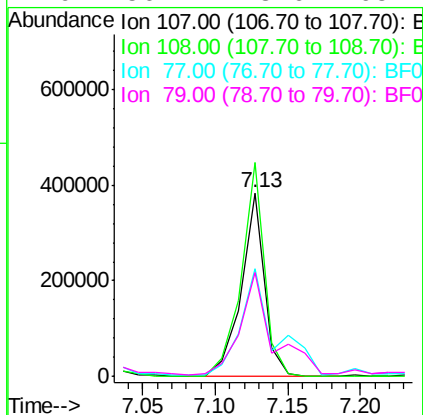
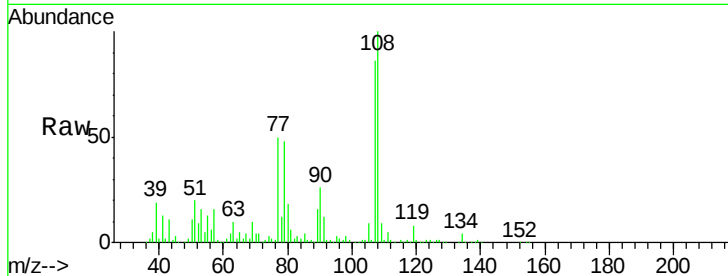
#17
2-Methylphenol
Concen: 47.09 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.4	93.0	139.4	
77	58.7	44.1	66.1	
79	56.2	43.6	65.4	

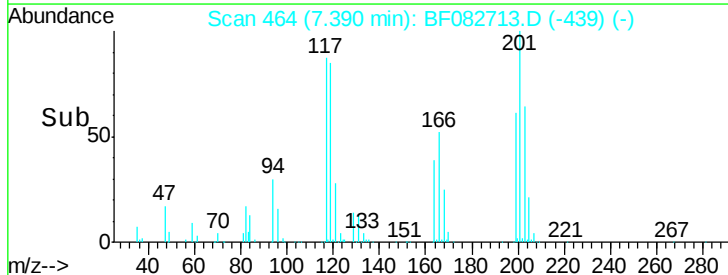
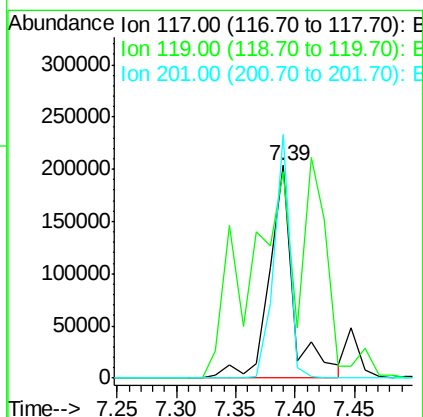
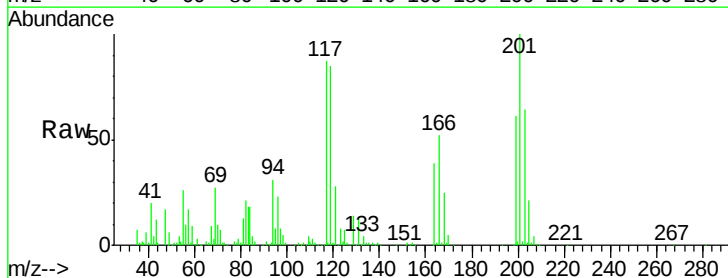
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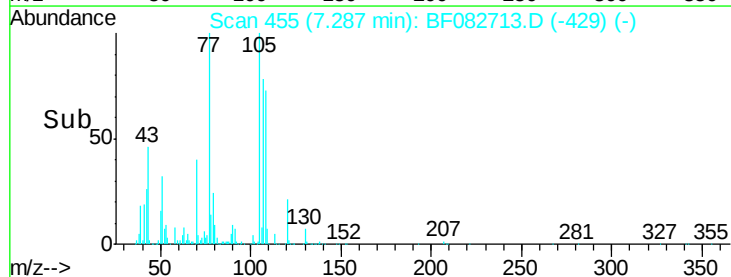
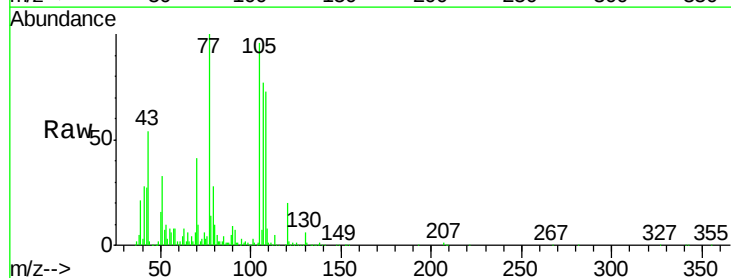
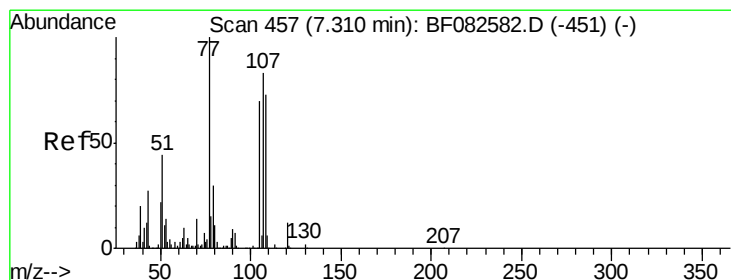
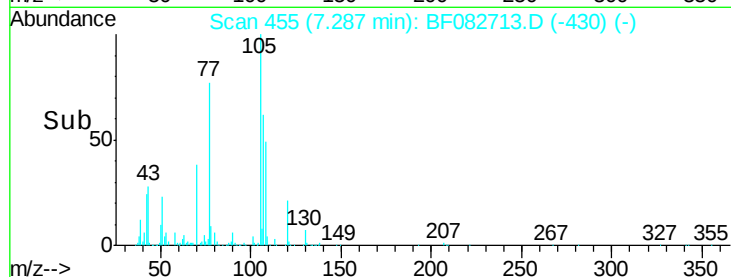
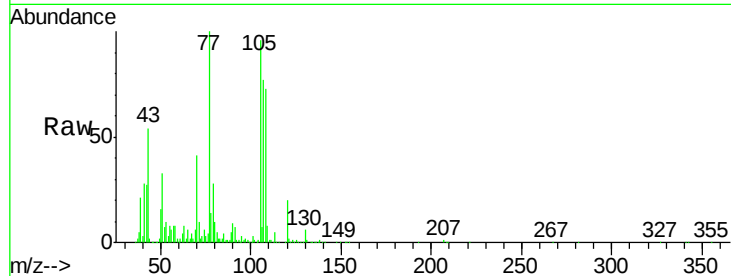
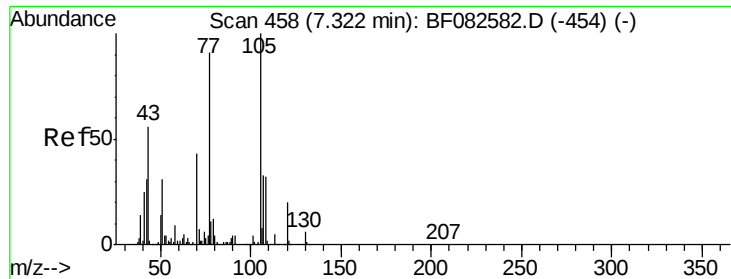
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#18
Hexachloroethane
Concen: 62.06 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.5	77.7	116.5	
201	114.7	66.7	100.1#	





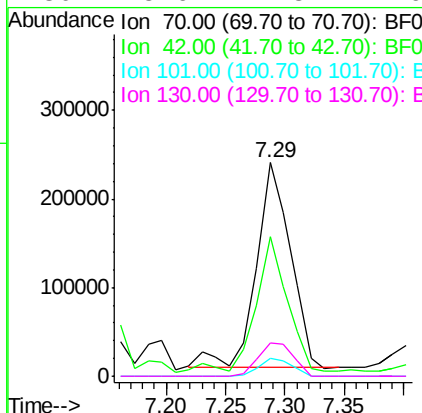
#19
n-Nitroso-di-n-propylamine
Concen: 47.09 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	65.5	57.7	86.5
101	8.3	7.0	10.6
130	15.6	11.8	17.6

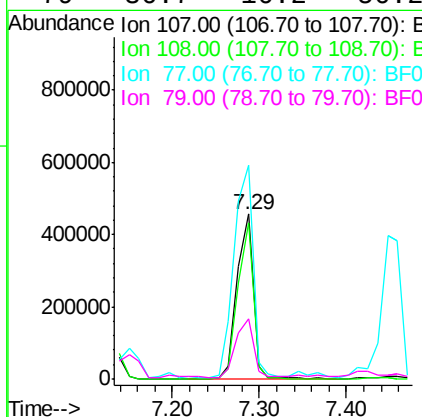
Manual Integrations
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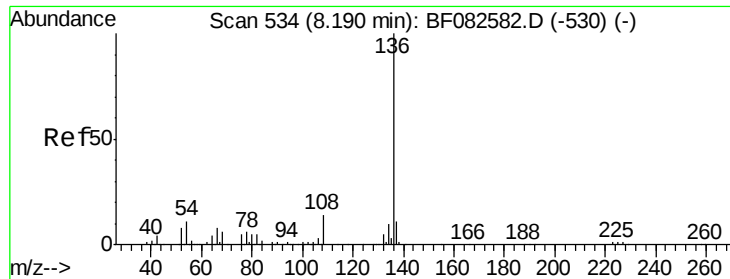
Mmdadoda
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#20
3+4-Methylphenols
Concen: 49.74 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.9	67.3	107.3
77	129.8	100.3	140.3
79	36.7	16.2	56.2





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

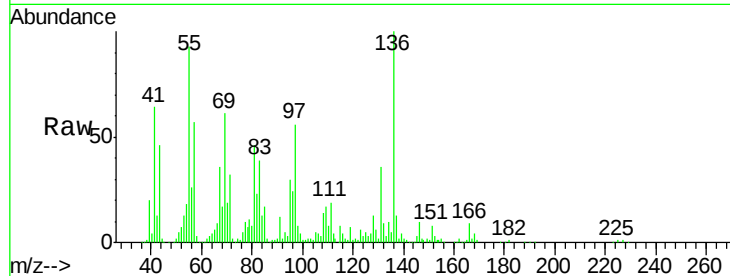
ClientSampleId :

TP-15(3)MSD

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.7	9.1	13.7
54	17.5	9.1	13.7#
68	16.7	4.8	7.2#

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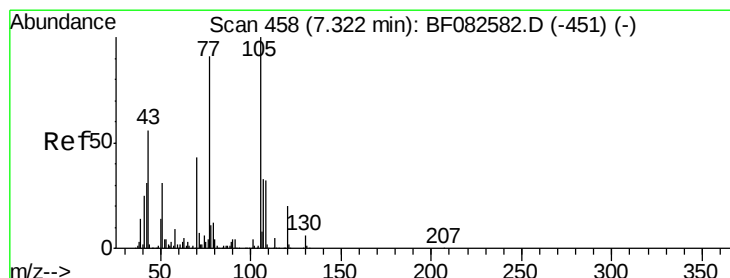
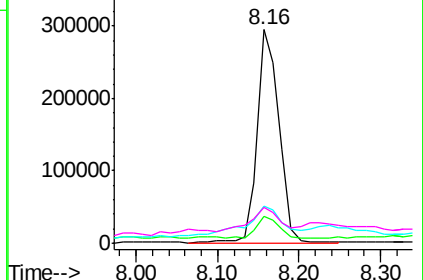
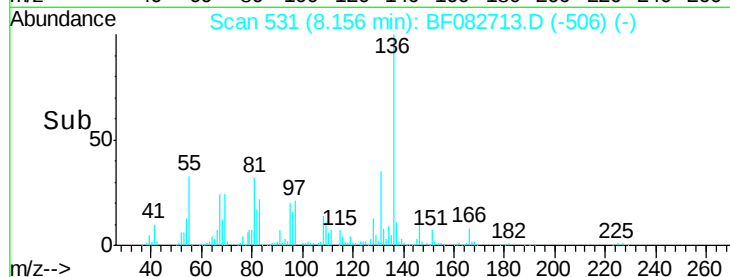


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.61 ng

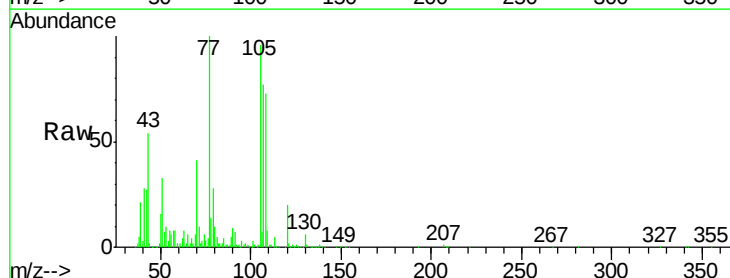
RT: 7.29 min Scan# 455

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	10.8	5.6	8.4#
51	34.6	24.9	37.3
120	20.5	15.8	23.8

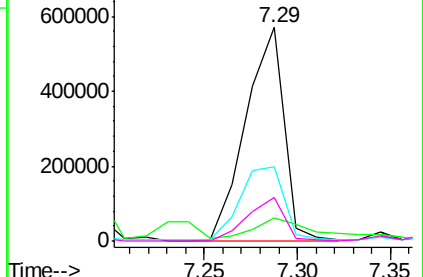
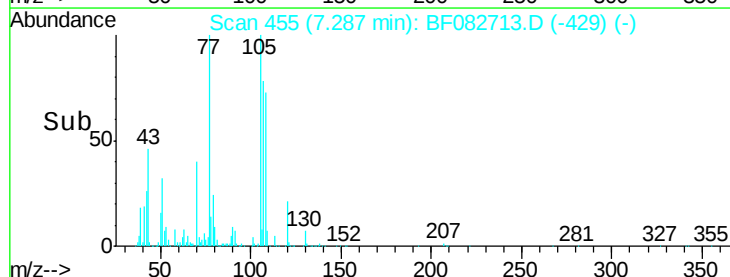


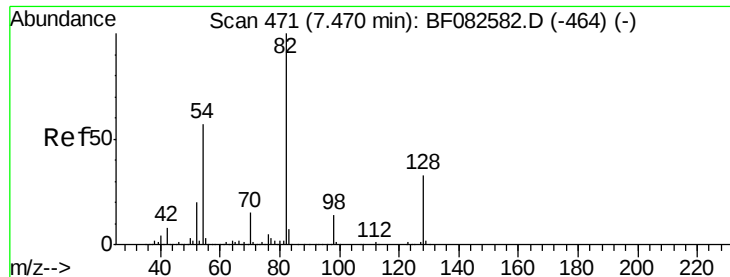
Abundance Ion 105.00 (104.70 to 105.70): E

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





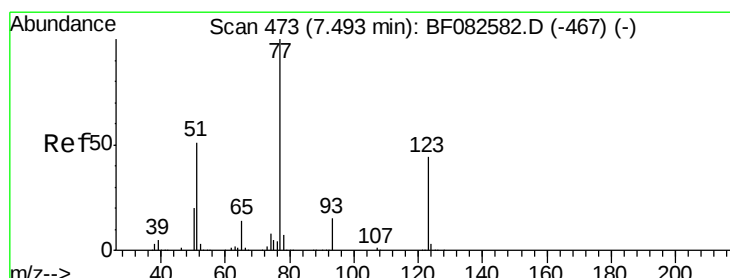
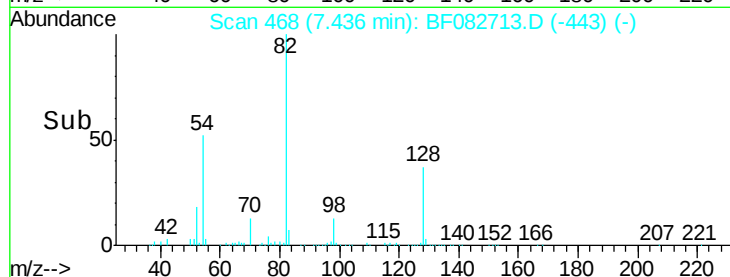
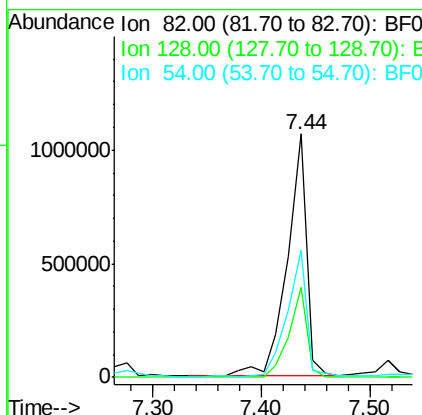
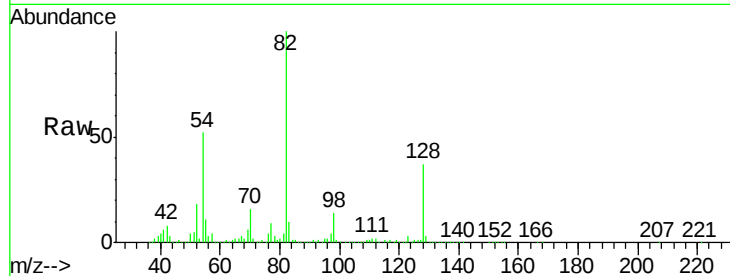
#23
 Nitrobenzene-d5
 Concen: 99.63 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Tot Ion	82	Resp	1330620
Ion Ratio	100	Lower	Upper
82	100		
128	36.9	26.8	40.2
54	52.2	45.7	68.5

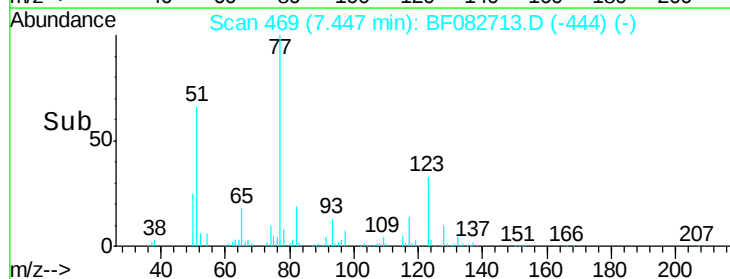
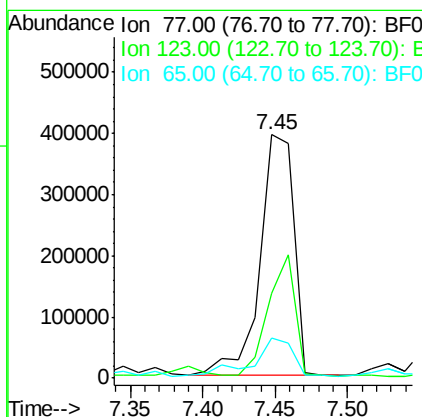
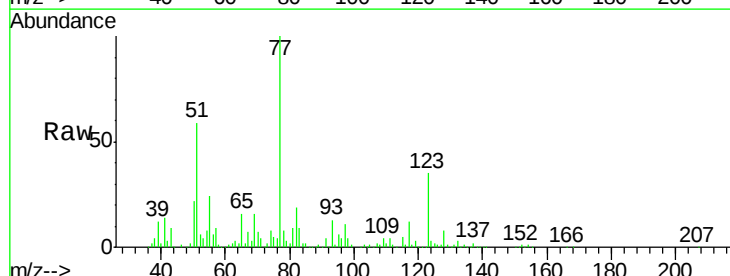
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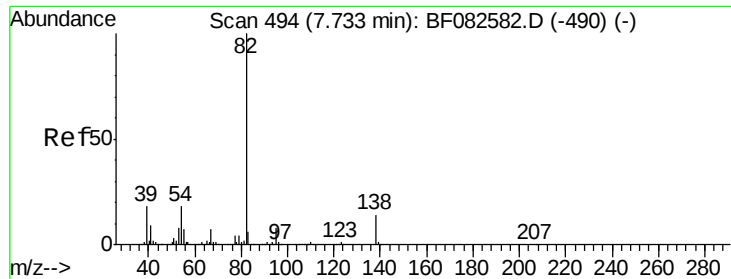
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 11/5/2015 2:19:48 PM



#24
 Nitrobenzene
 Concen: 47.29 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Tgt Ion	77	Resp	638395
Ion Ratio	100	Lower	Upper
77	100		
123	35.0	36.4	54.6#
65	16.3	11.5	17.3





#25

Isophorone

Concen: 49.42 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MSD

Tot Ion: 82 Resp: 1214256

Ion Ratio Lower Upper

82 100

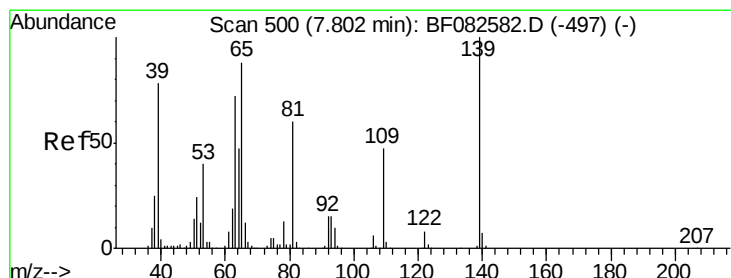
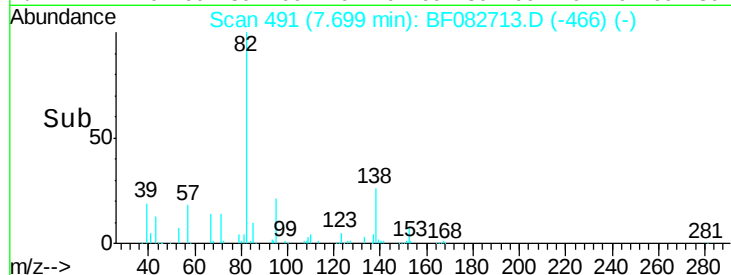
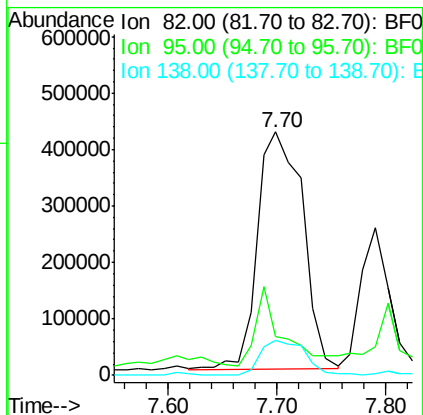
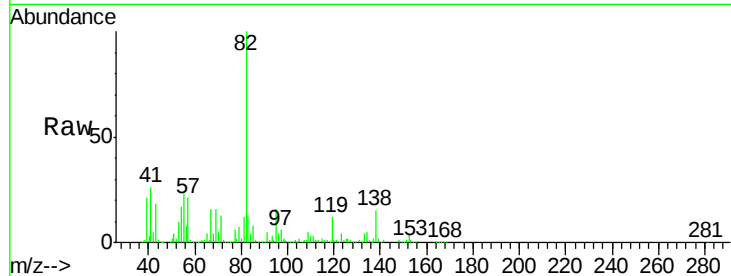
95 16.0 6.6 9.8#

138 14.5 11.4 17.0

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.70 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

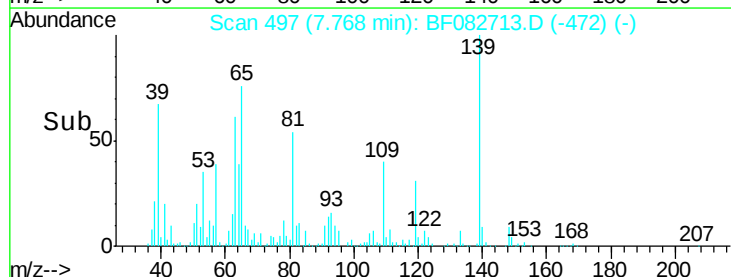
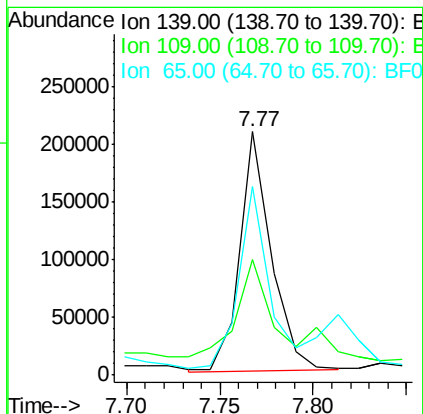
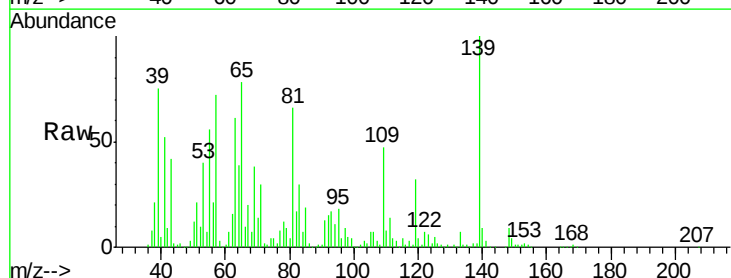
Tgt Ion: 139 Resp: 245080

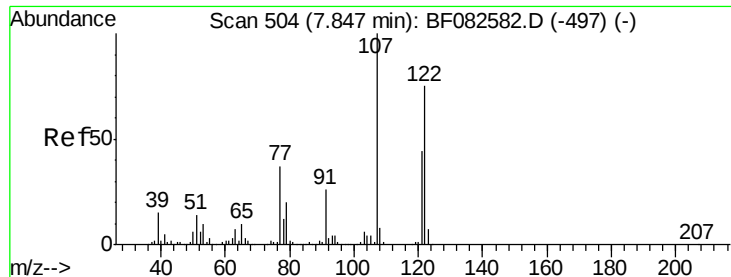
Ion Ratio Lower Upper

139 100

109 47.3 37.6 56.4

65 77.5 70.6 105.8





#27

2,4-Dimethylphenol

Concen: 47.67 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

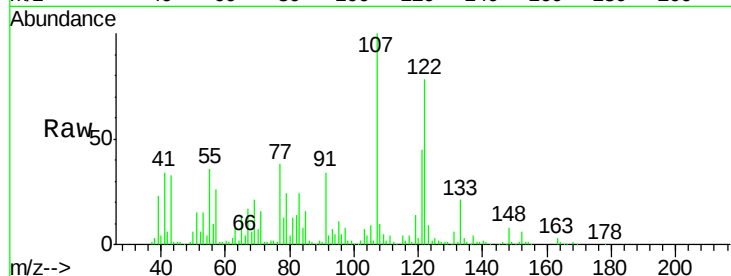
ClientSampleId :

TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	128.0	106.0	159.0
121	58.1	46.7	70.1

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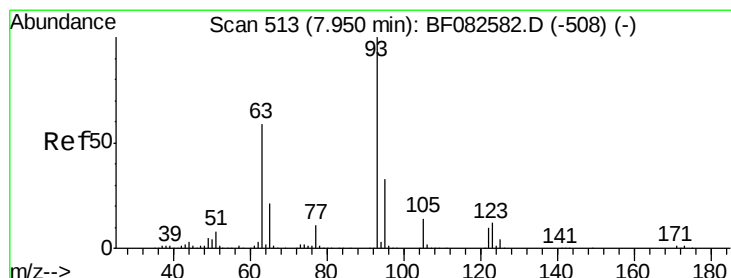
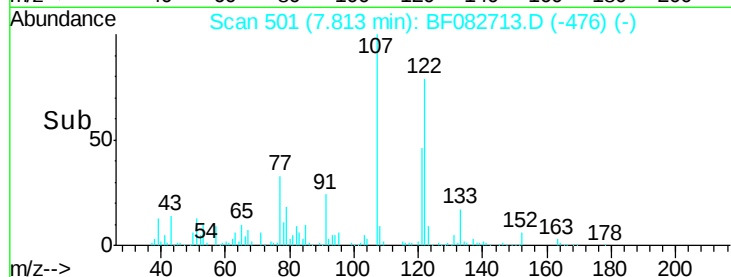
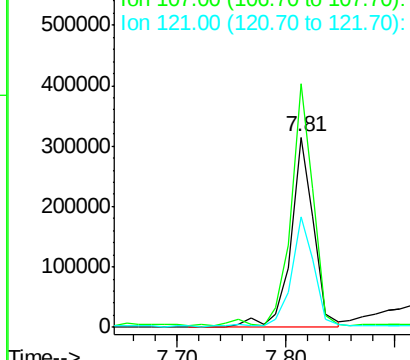
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.90 ng

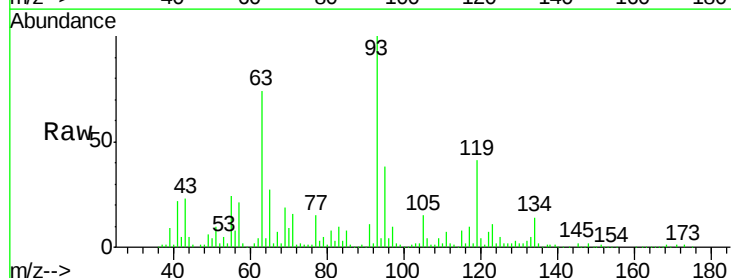
RT: 7.90 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

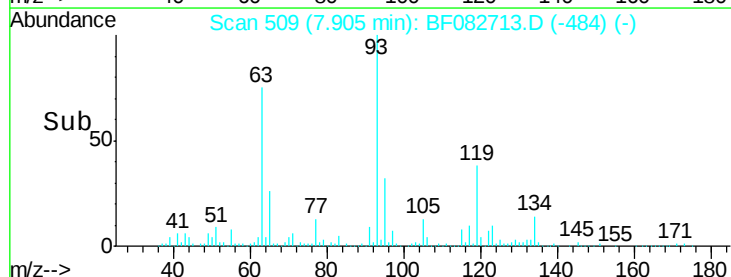
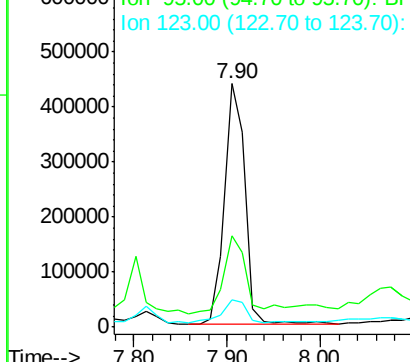
Tgt Ion	Ratio	Lower	Upper
93	100		
95	37.7	26.6	40.0
123	11.2	9.7	14.5

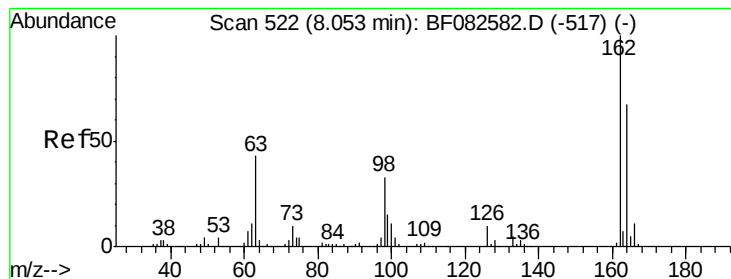


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 51.39 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

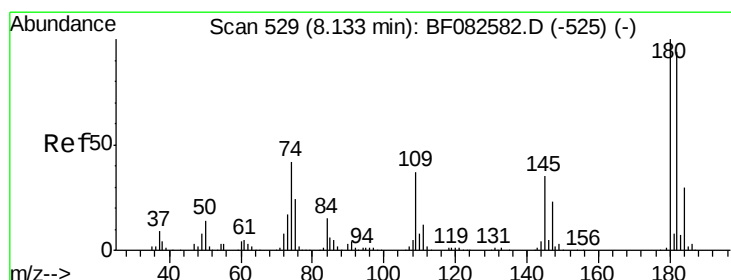
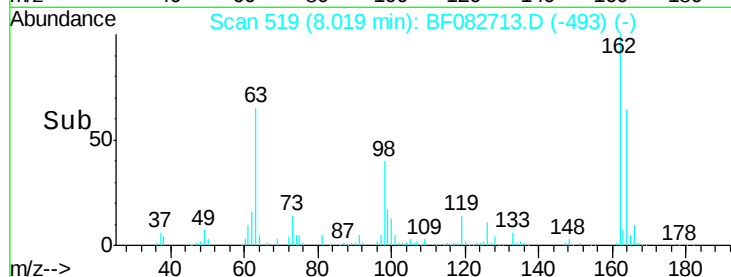
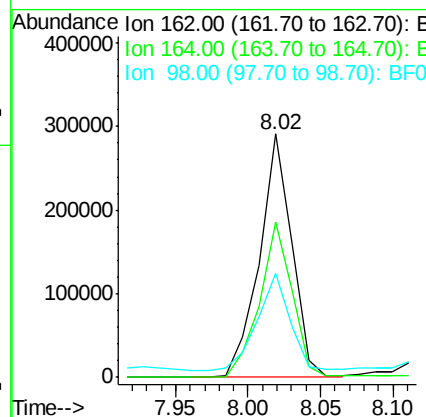
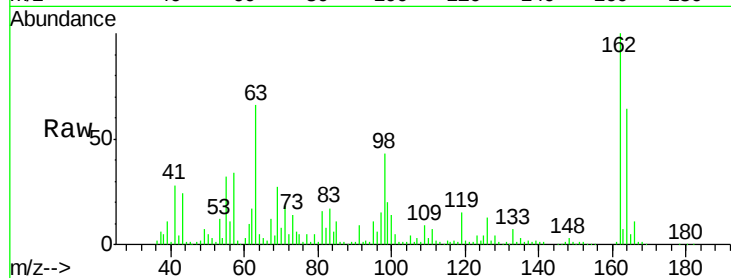
ClientSampleId :

TP-15(3)MSD

Tot Ion:	162	Resp:	450928
Ion Ratio	Lower	Upper	
162	100		
164	63.7	46.8	86.8
98	42.8	12.5	52.5

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#30

1,2,4-Trichlorobenzene

Concen: 47.24 ng

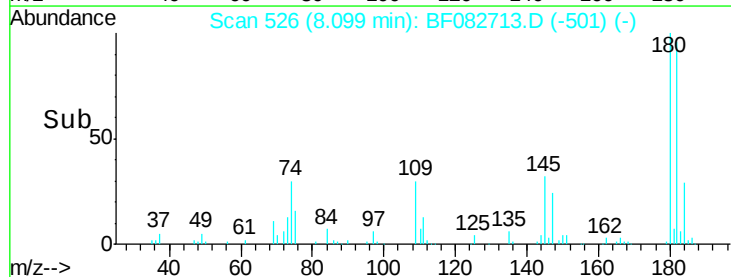
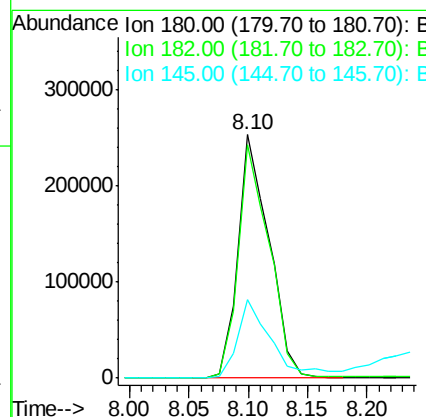
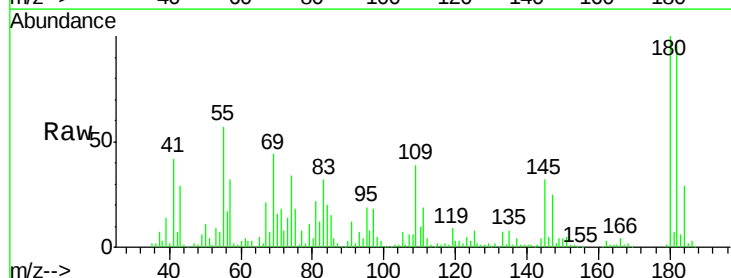
RT: 8.10 min Scan# 526

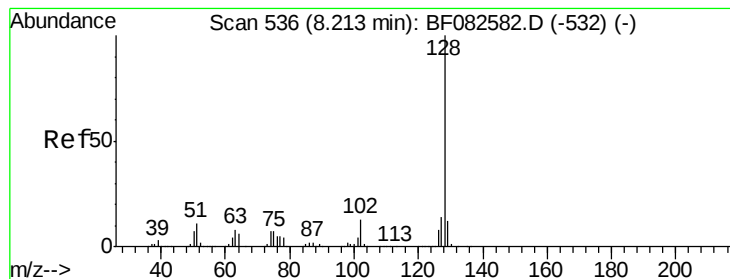
Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	180	Resp:	460031
Ion Ratio	Lower	Upper	
180	100		
182	96.0	74.9	112.3
145	32.2	27.8	41.8





#31

Naphthalene

Concen: 50.67 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MSD

Tot Ion:128 Resp: 1495206

Ion Ratio Lower Upper

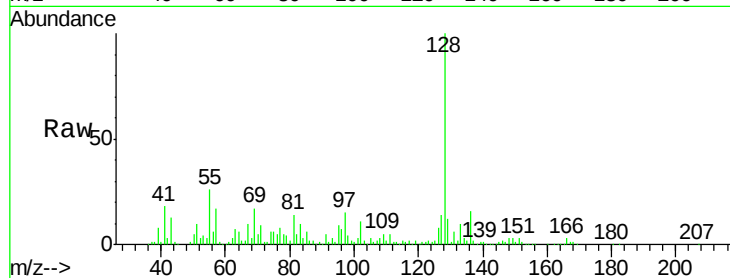
128 100

129 12.2 9.5 14.3

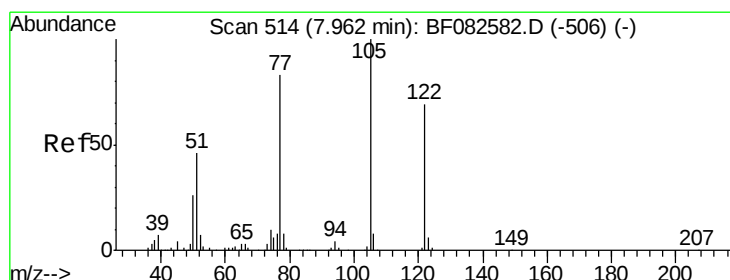
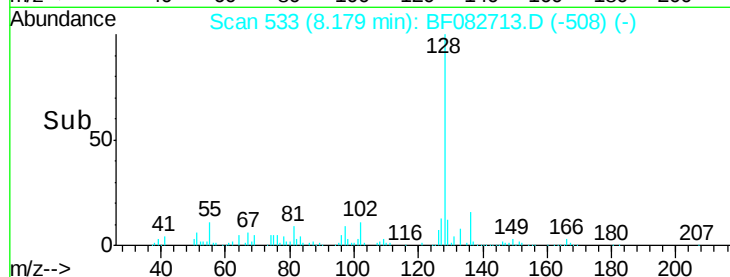
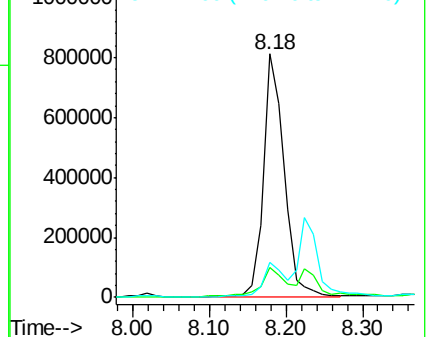
127 14.2 11.4 17.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 15.41 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

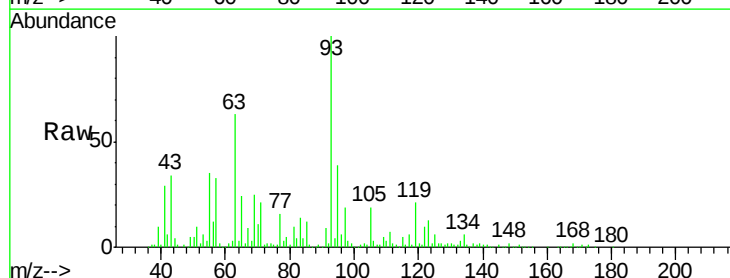
Tgt Ion:122 Resp: 107592

Ion Ratio Lower Upper

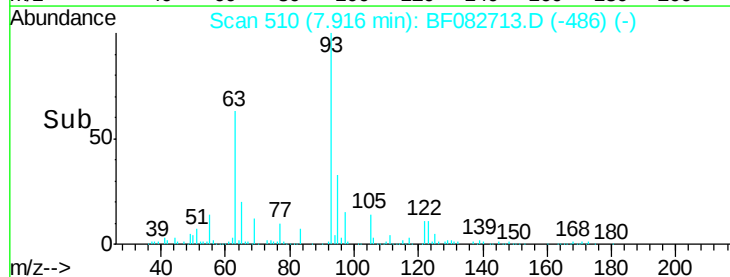
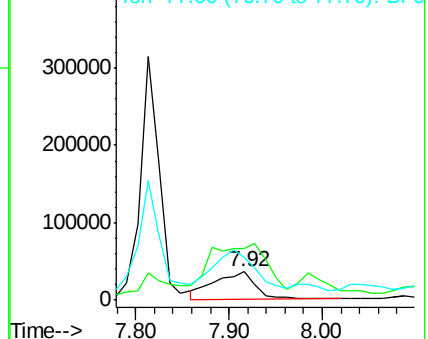
122 100

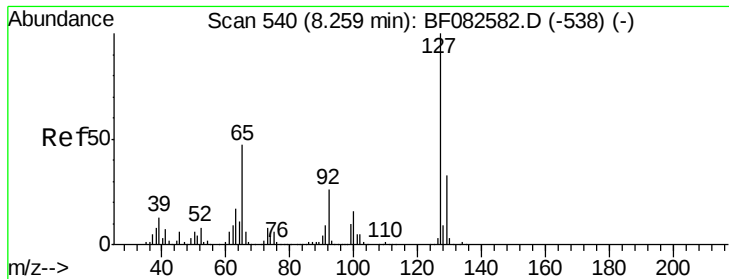
105 180.5 122.6 162.6#

77 150.0 100.9 140.9#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





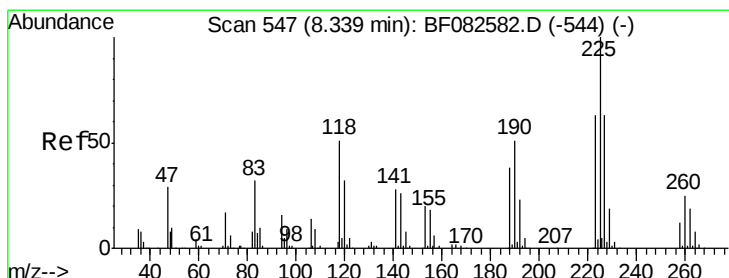
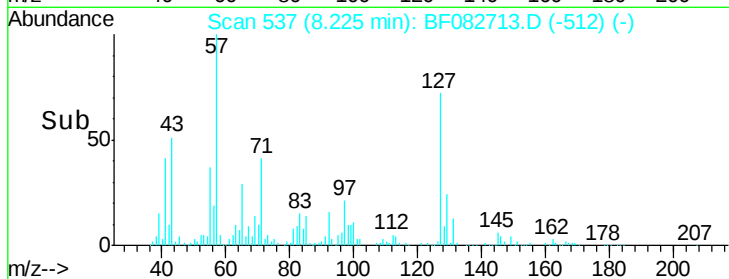
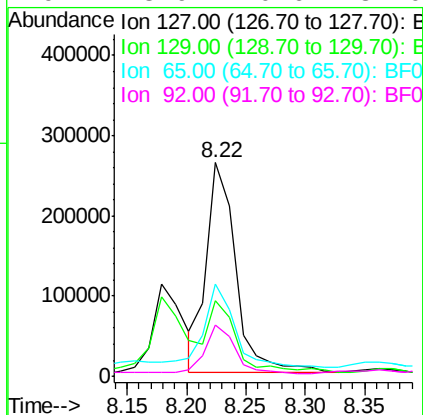
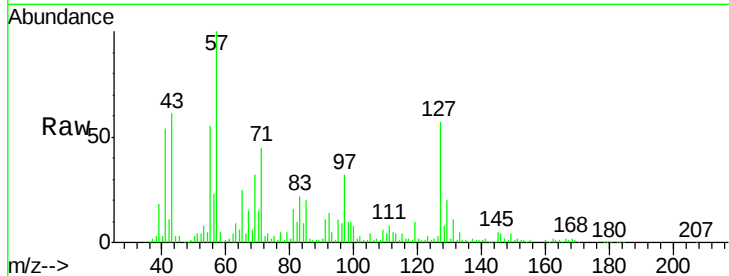
#33
4-Chloroaniline
Concen: 35.88 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		452098		
129	35.6	26.3	39.5		
65	43.2	37.8	56.8		
92	23.9	20.6	31.0		

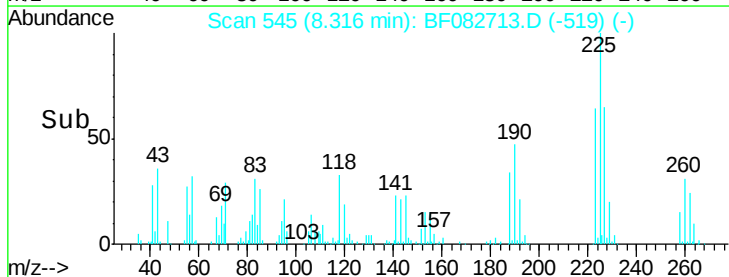
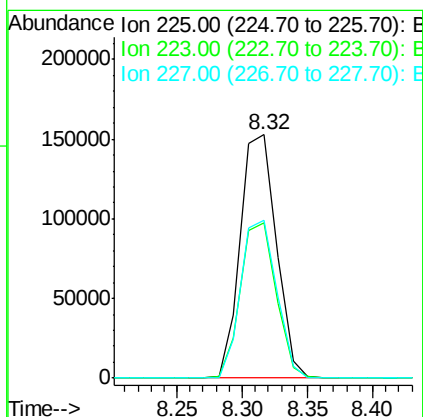
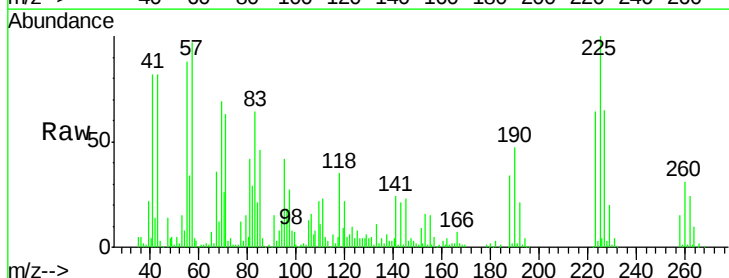
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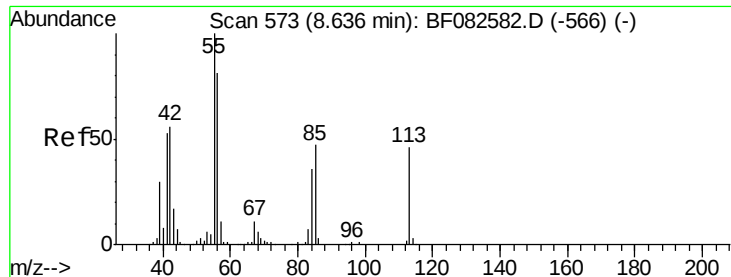
Mmdadoda
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#34
Hexachlorobutadiene
Concen: 47.36 ng
RT: 8.32 min Scan# 545
Delta R.T. 0.00 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		293320		
223	63.8	50.5	75.7		
227	64.8	50.2	75.2		





#35

Caprolactam

Concen: 131.62 ng

RT: 8.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

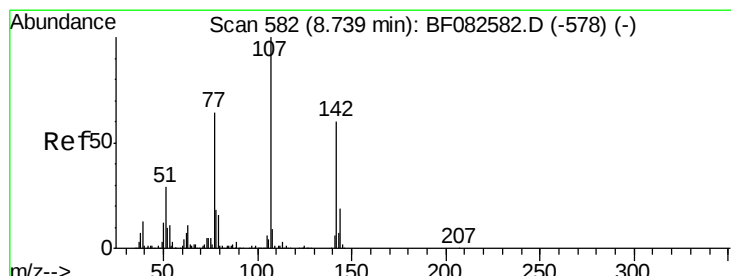
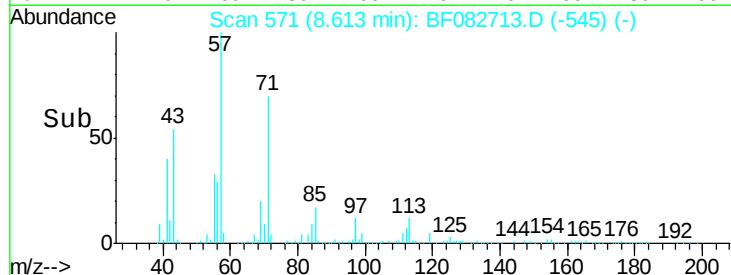
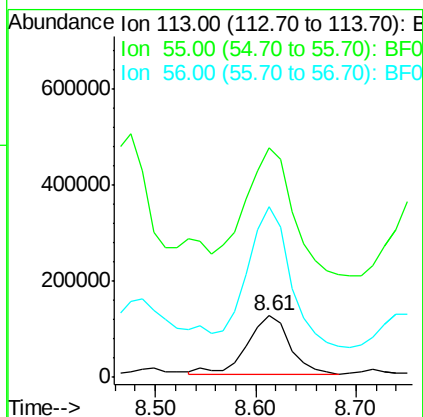
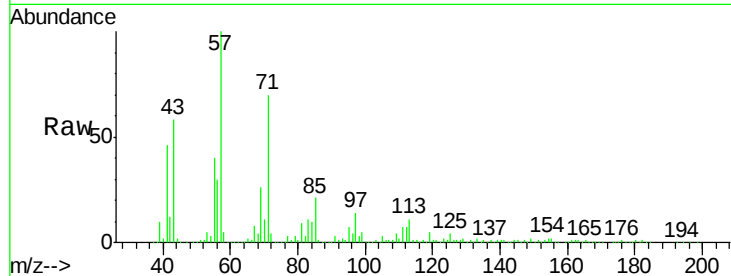
ClientSampleId :

TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	372.2	195.5	235.5#
56	276.1	153.5	193.5#

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#36

4-Chloro-3-methylphenol

Concen: 47.34 ng

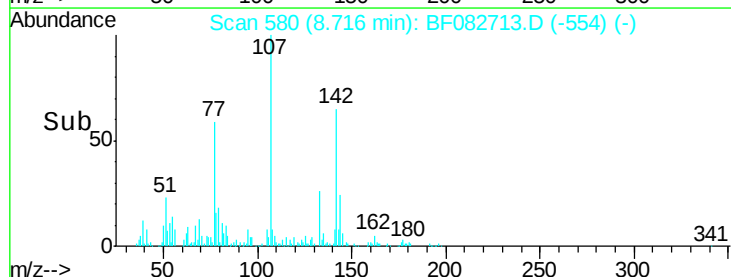
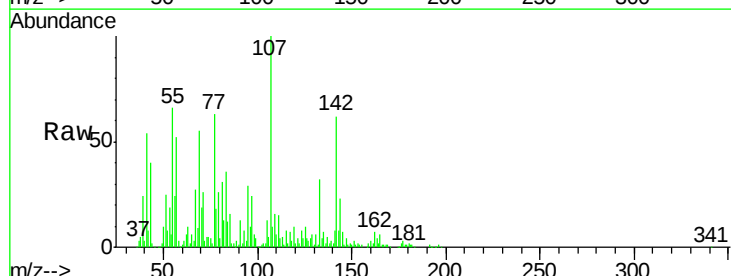
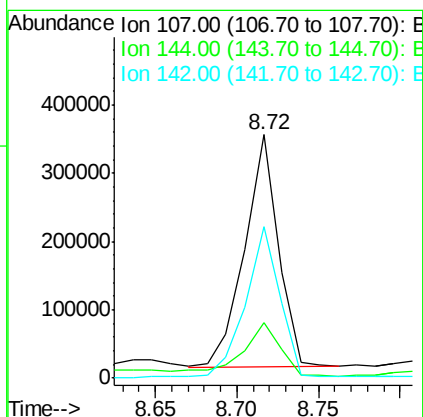
RT: 8.72 min Scan# 580

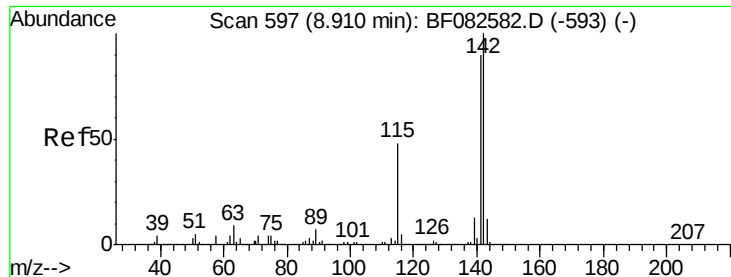
Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.8	15.4	23.0
142	62.5	47.8	71.8





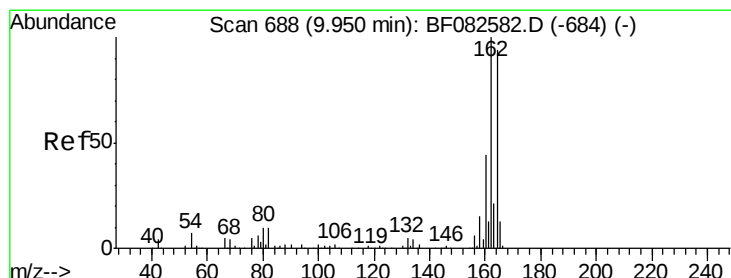
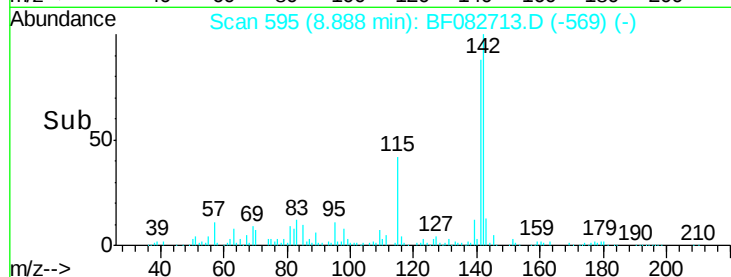
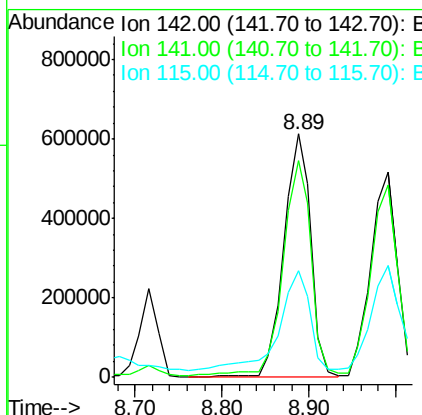
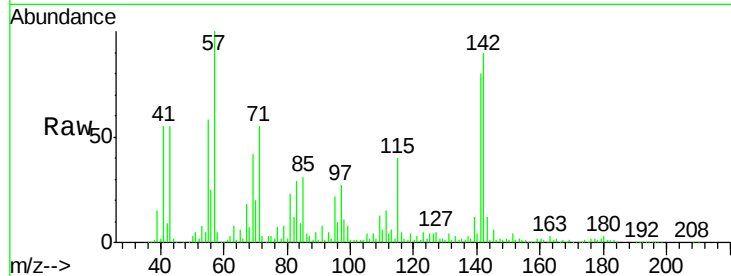
#37
2-Methylnaphthalene
Concen: 68.42 ng
RT: 8.89 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.3	108.5
115	43.9	38.1	57.1

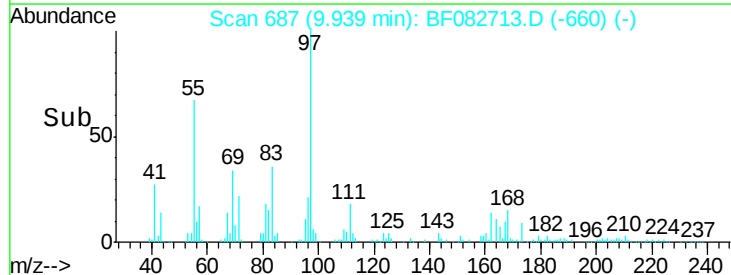
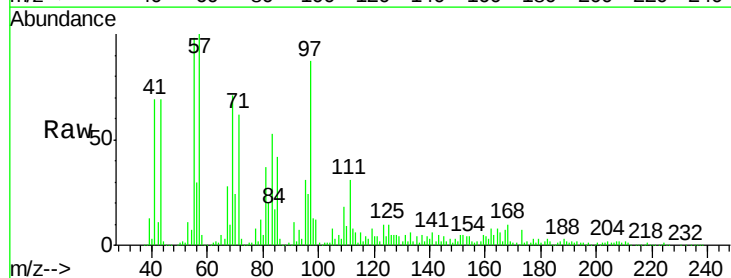
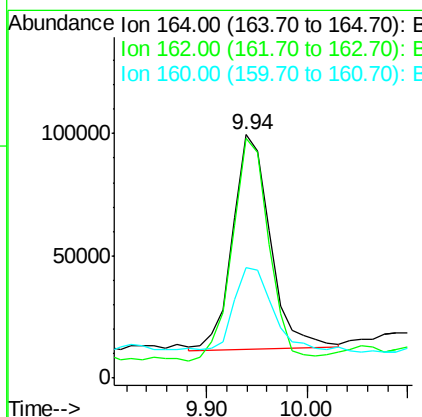
Manual Integrations
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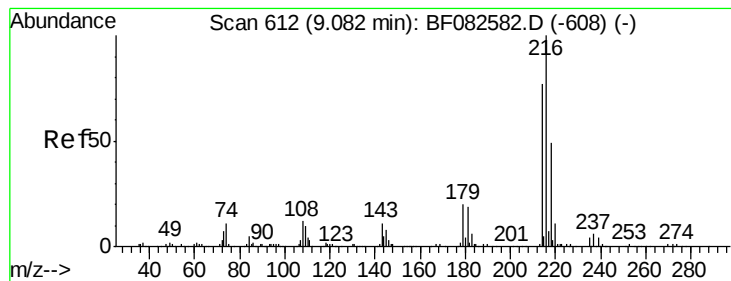
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	84.9	127.3
160	45.4	37.5	56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 52.60 ng

RT: 9.06 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF082713.D

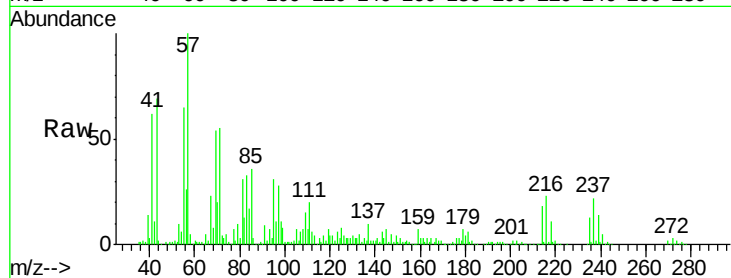
Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleId :

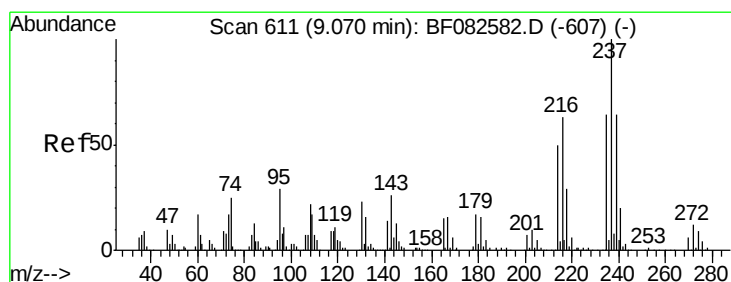
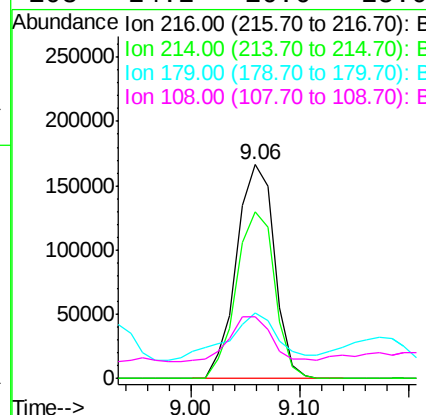
TP-15(3)MSD



Tot Ion	Ion	Ratio	Resp	Lower	Upper
401182	216	100			
	214	78.8	62.2	93.2	
	179	30.7	18.1	27.1	
	108	24.2	16.6	25.0	

Manual Integrations
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#40

Hexachlorocyclopentadiene

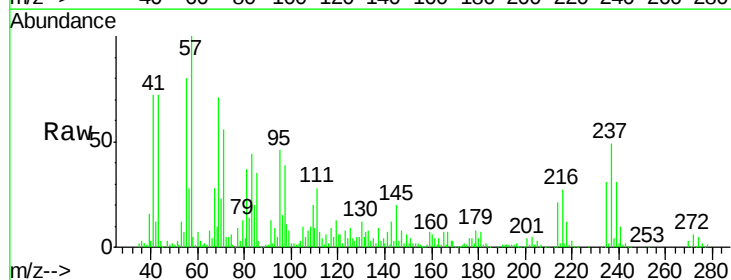
Concen: 94.44 ng

RT: 9.05 min Scan# 609

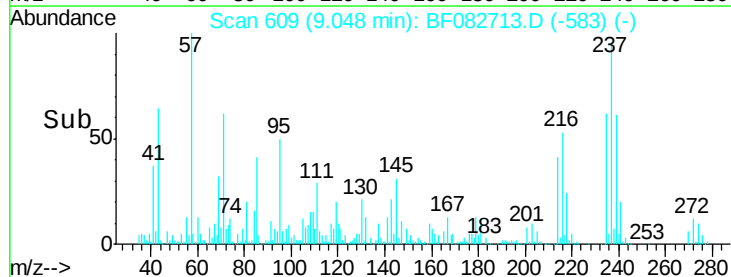
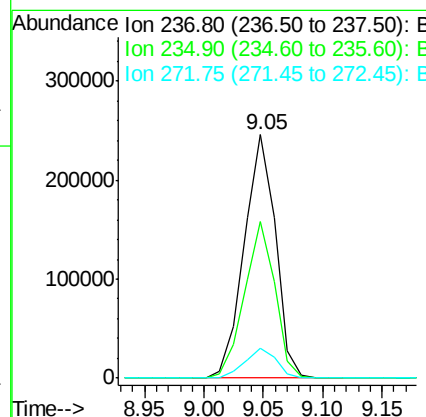
Delta R.T. 0.00 min

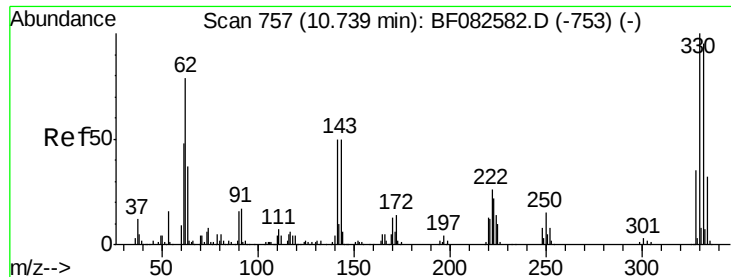
Lab File: BF082713.D

Acq: 4 Nov 2015 21:09



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
452844	237	100			
	235	64.1	44.3	84.3	
	272	12.1	0.0	31.9	





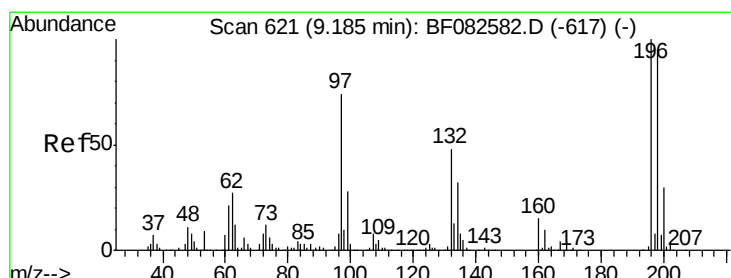
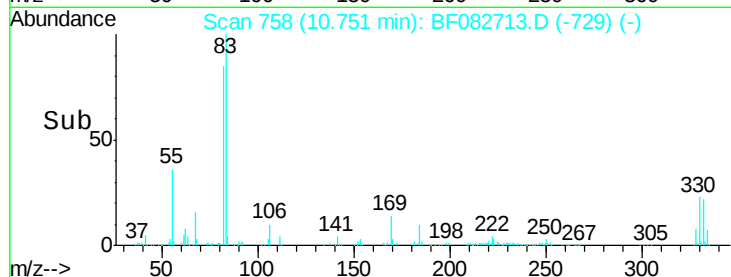
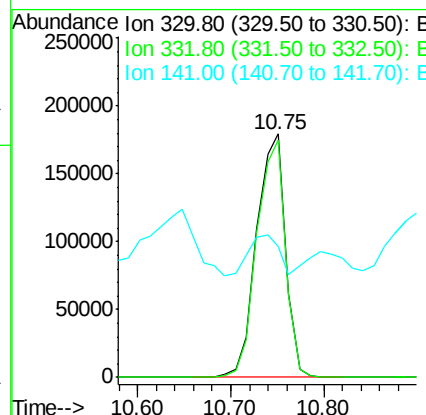
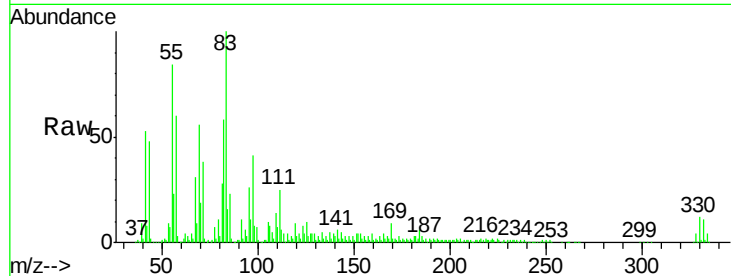
#41
 2,4,6-Tribromophenol
 Concen: 153.48 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.03 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	114.8
141	17.4	41.2	61.8

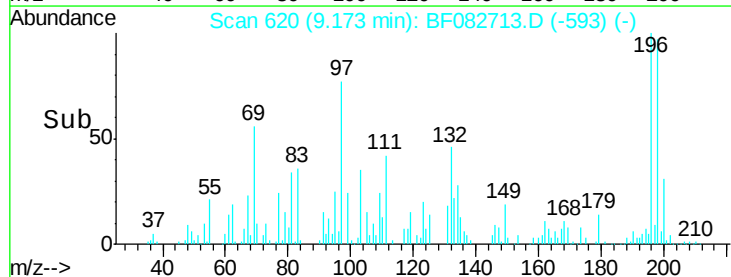
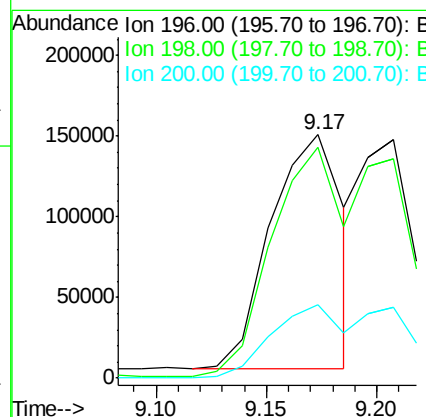
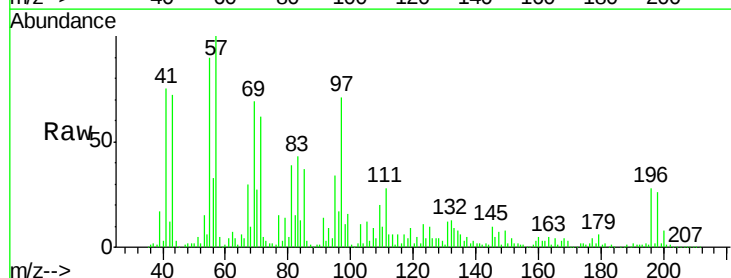
Manual Integrations
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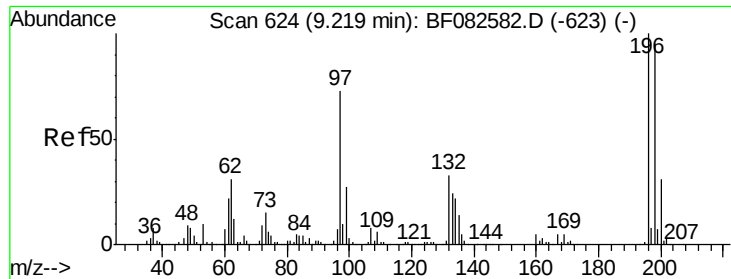
Mmdadoda
 11/5/2015 2:19:48 PM



#42
 2,4,6-Trichlorophenol
 Concen: 59.87 ng m
 RT: 9.17 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.3	114.5
200	30.3	23.9	35.9





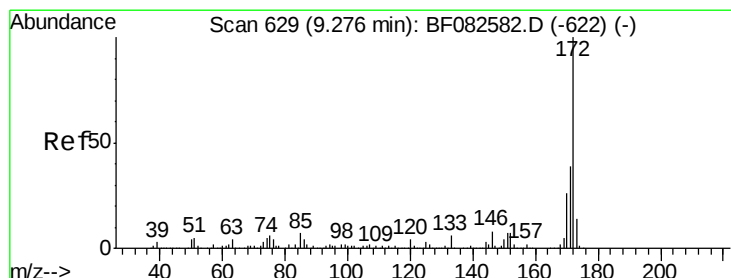
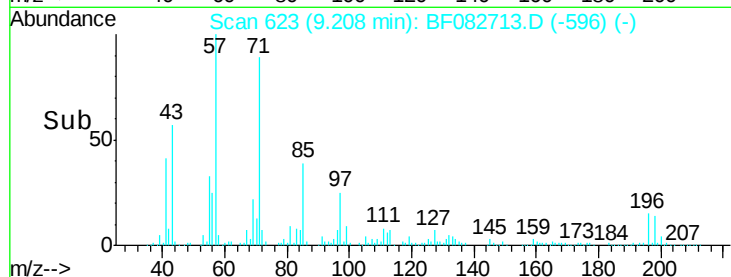
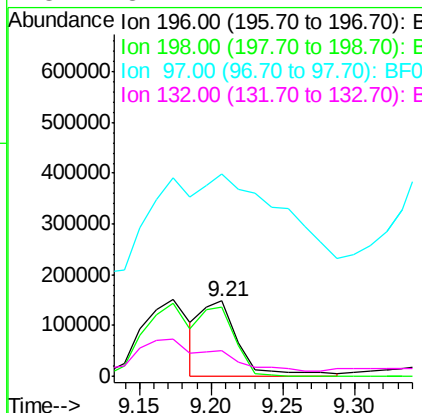
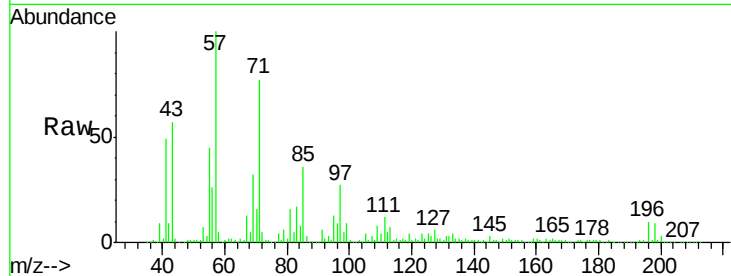
#43
2,4,5-Trichlorophenol
Concen: 50.34 ng/mL
RT: 9.21 min Scan# 623
Delta R.T. 0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		276226		
198	91.7	75.8	113.8		
97	268.7	62.3	93.5		
132	34.1	27.4	41.2		

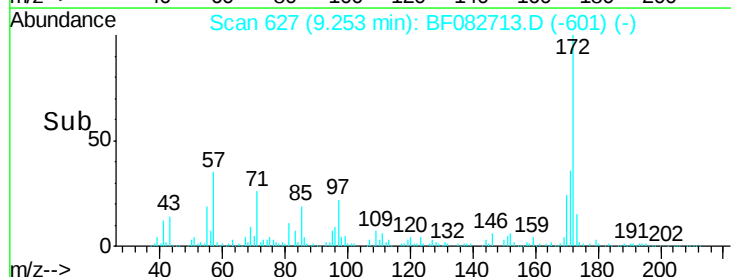
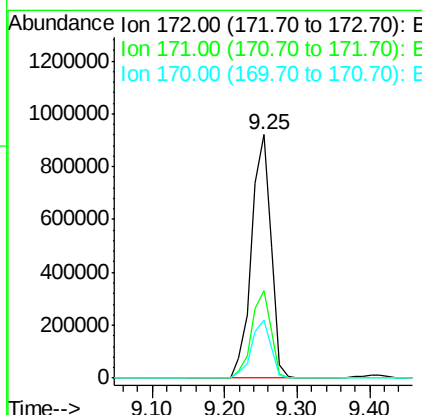
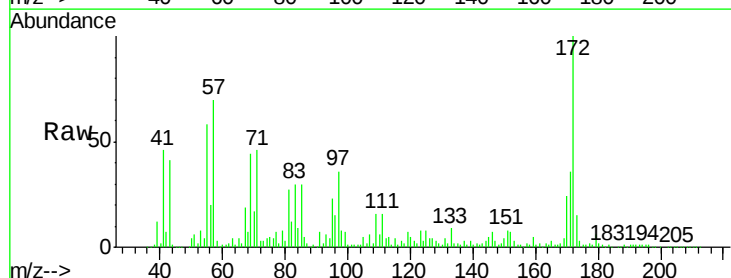
Manual Integrations
APPROVED

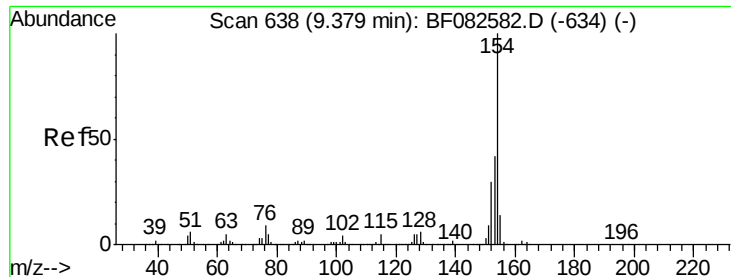
Mmdadoda
11/5/2015 2:19:48 PM



#44
2-Fluorobiphenyl
Concen: 108.24 ng/mL
RT: 9.25 min Scan# 627
Delta R.T. 0.00 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1742432		
171	36.0	30.8	46.2		
170	24.1	21.2	31.8		





#45

1,1'-Biphenyl

Concen: 52.82 ng

RT: 9.36 min Scan# 636

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MSD

Tot Ion:154 Resp: 1019797

Ion Ratio Lower Upper

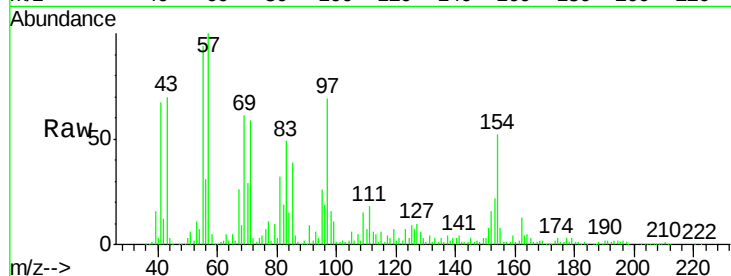
154 100

153 41.7 22.0 62.0

76 14.0 0.0 29.0

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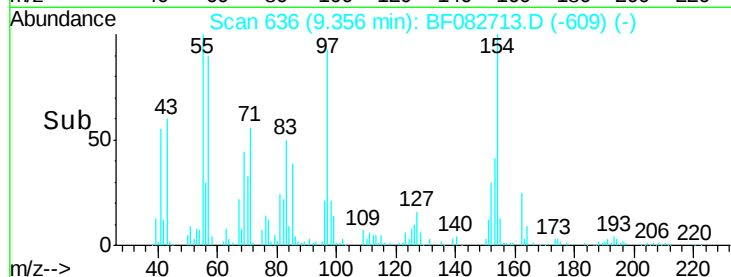


Abundance Ion 154.00 (153.70 to 154.70): E

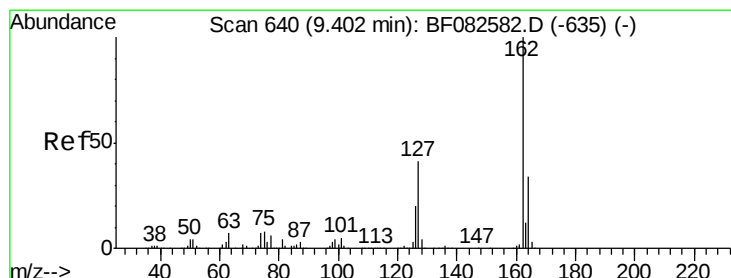
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

9.36



Time-->



#46

2-Chloronaphthalene

Concen: 50.79 ng

RT: 9.38 min Scan# 638

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

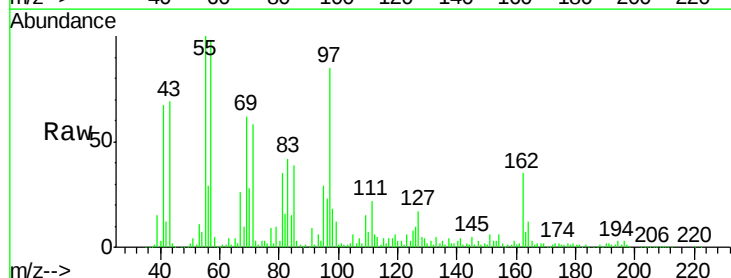
Tgt Ion:162 Resp: 765763

Ion Ratio Lower Upper

162 100

127 49.0 32.7 49.1

164 34.9 27.4 41.0

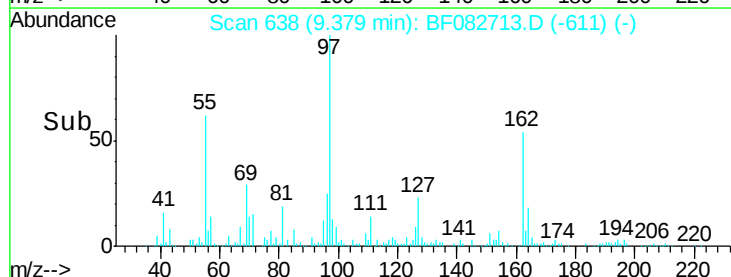


Abundance Ion 162.00 (161.70 to 162.70): E

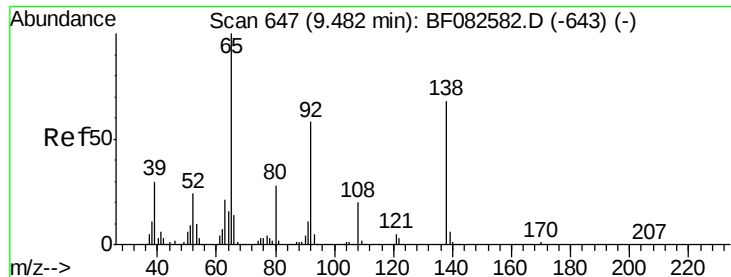
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

9.38



Time-->



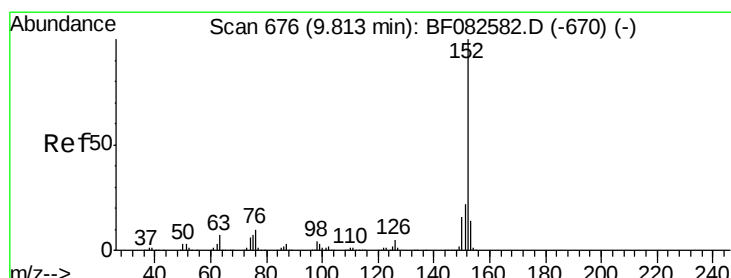
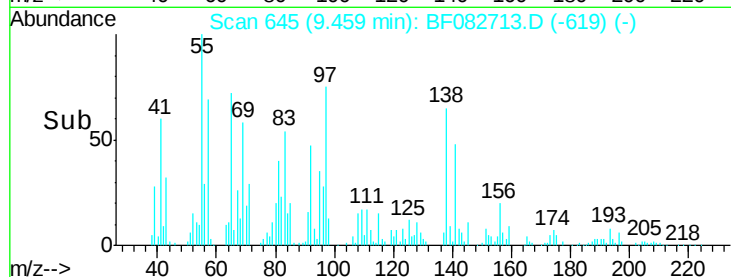
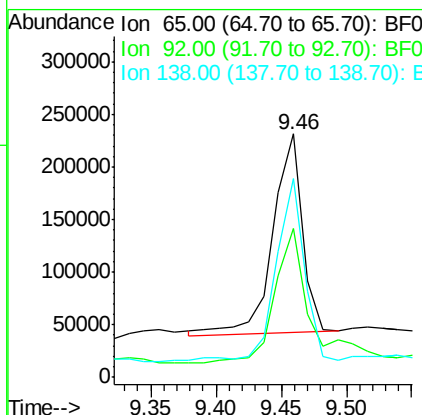
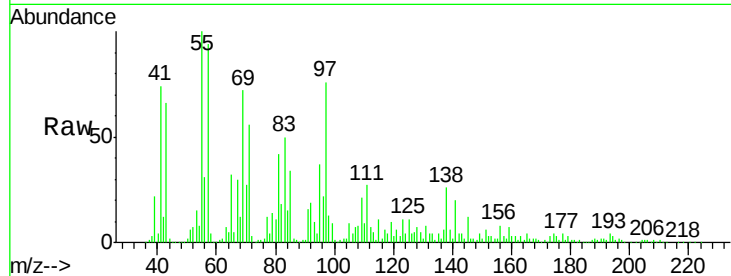
#47
2-Nitroaniline
Concen: 51.73 ng
RT: 9.46 min Scan# 645
Delta R.T. 0.00 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	61.1	46.6	70.0
138	81.8	54.6	81.8

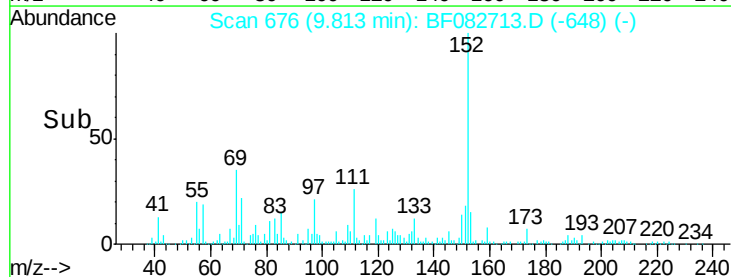
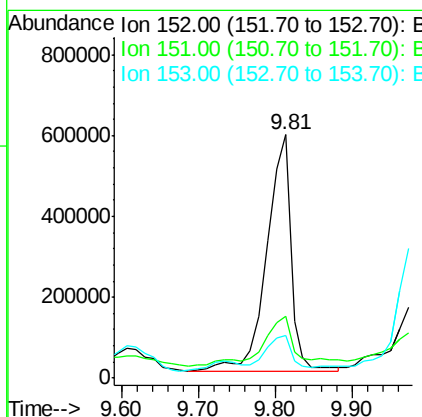
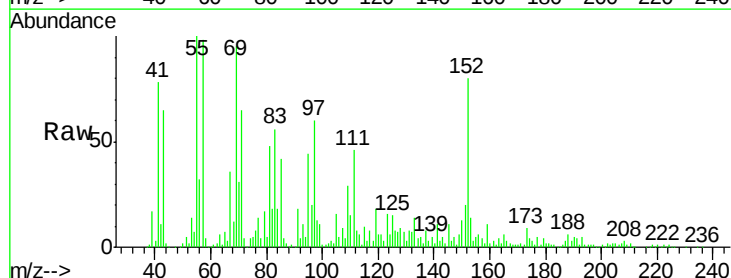
Manual Integrations
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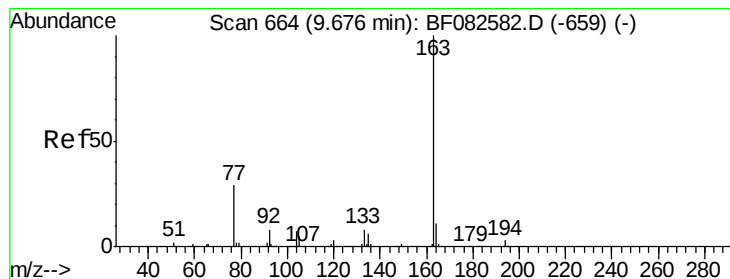
Mmdadoda
11/5/2015 2:19:48 PM



#48
Acenaphthylene
Concen: 52.96 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.02 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.6	17.3	25.9
153	17.5	11.3	16.9#





#49

Dimethylphthalate

Concen: 66.65 ng

RT: 9.65 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MSD

Tot Ion:163 Resp: 1244165

Ion Ratio Lower Upper

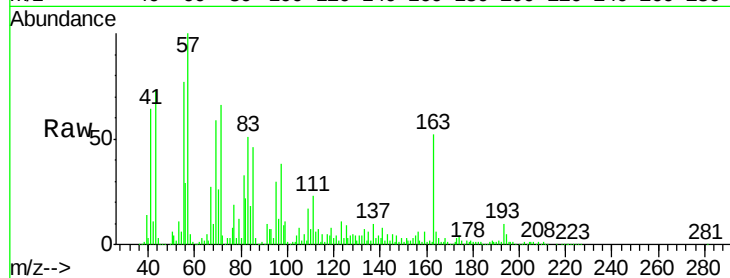
163 100

194 9.5 2.6 4.0#

164 11.5 8.7 13.1

Manual Integrations
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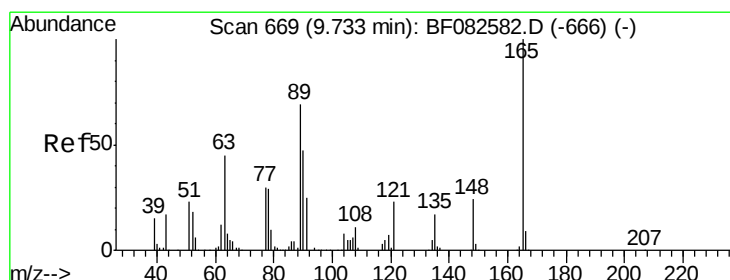
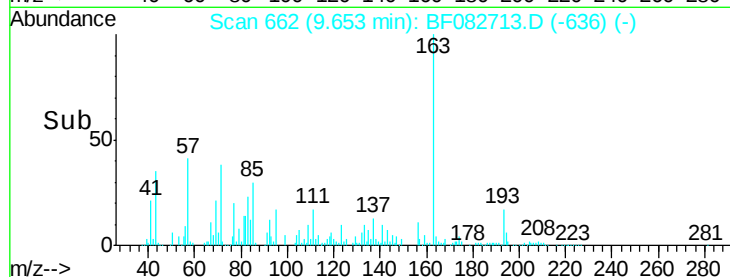
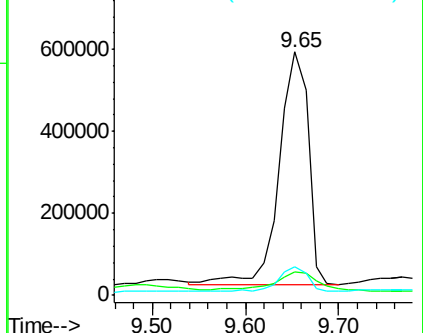
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 38.38 ng

RT: 9.72 min Scan# 668

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

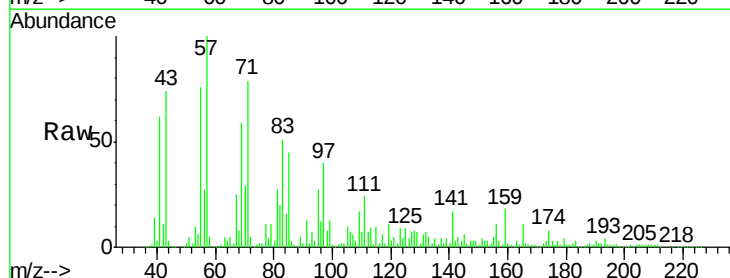
Tgt Ion:165 Resp: 148510

Ion Ratio Lower Upper

165 100

63 52.2 55.5 83.3#

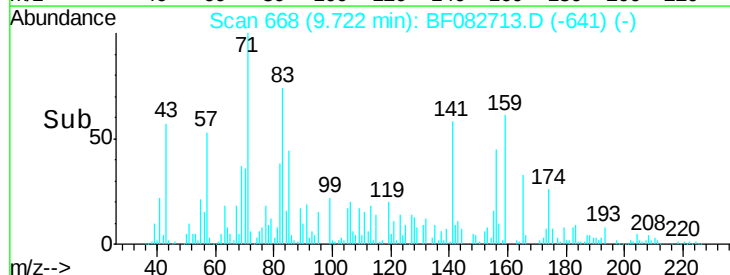
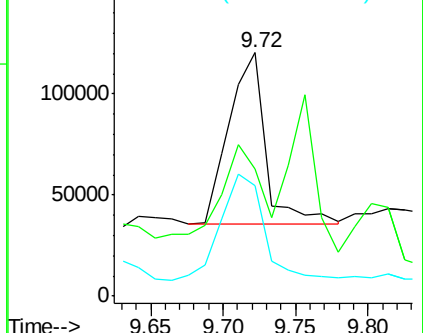
89 45.2 55.0 82.6#

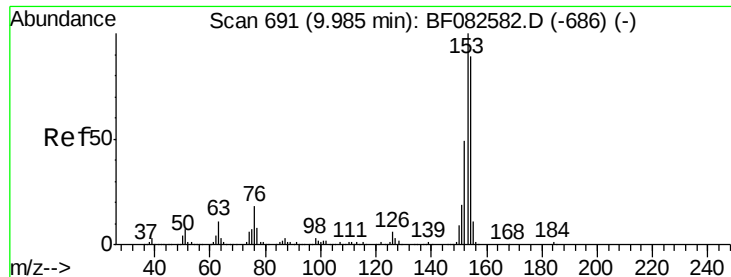


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.65 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

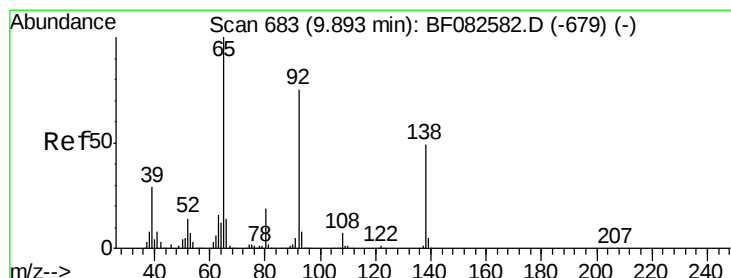
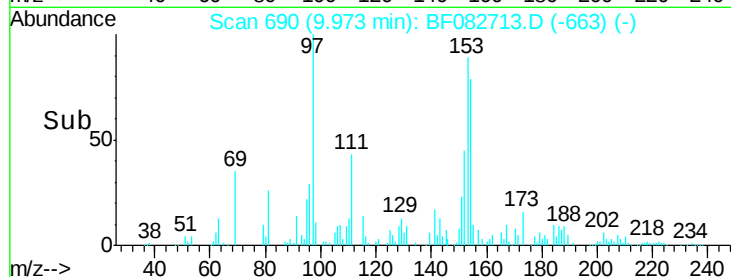
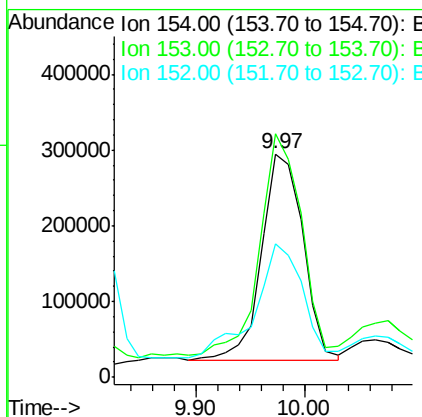
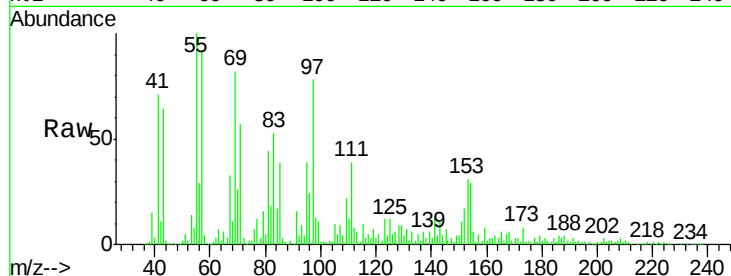
ClientSampleId :

TP-15(3)MSD

Tot Ion:	154	Resp:	729413
Ion Ratio	Lower	Upper	
154	100		
153	108.9	90.1	135.1
152	59.8	44.3	66.5

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#52

3-Nitroaniline

Concen: 44.41 ng

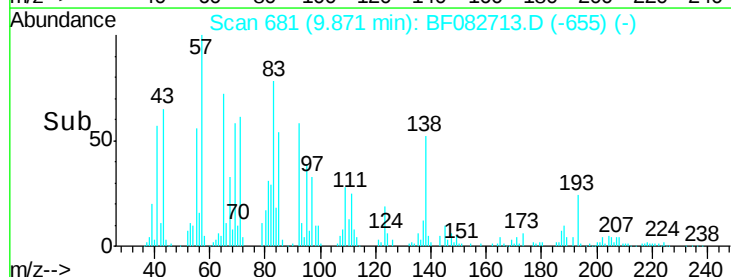
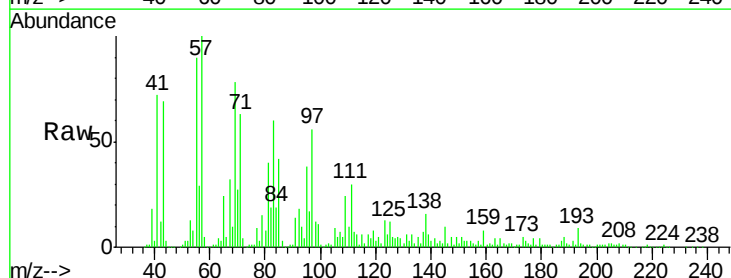
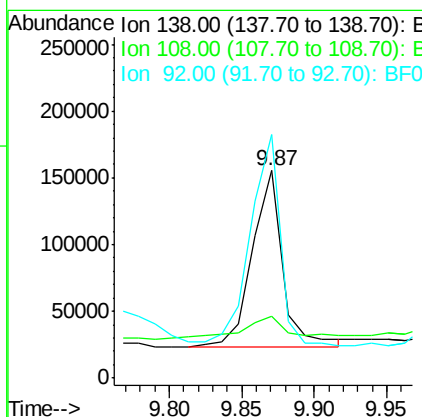
RT: 9.87 min Scan# 681

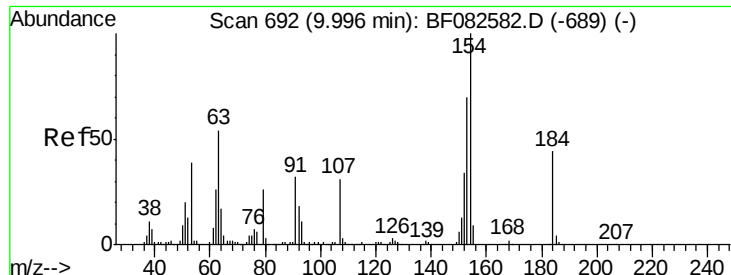
Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	138	Resp:	191156
Ion Ratio	Lower	Upper	
138	100		
108	30.1	11.3	16.9#
92	117.5	122.4	183.6#





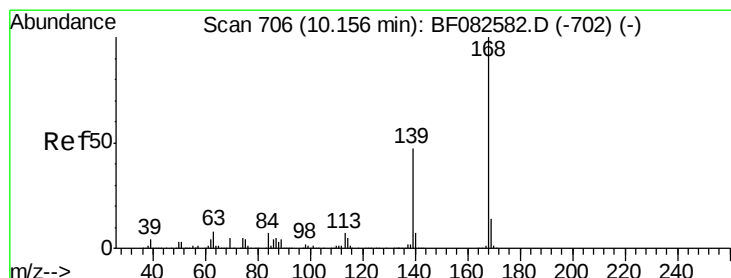
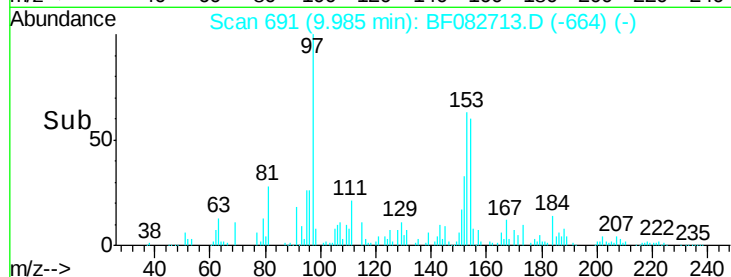
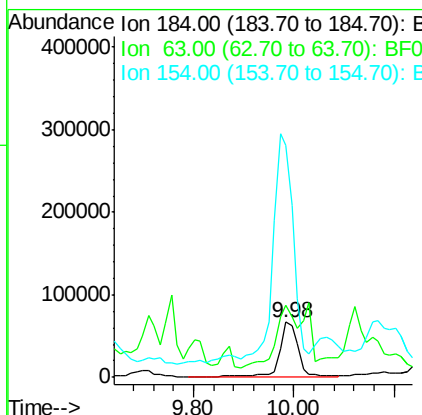
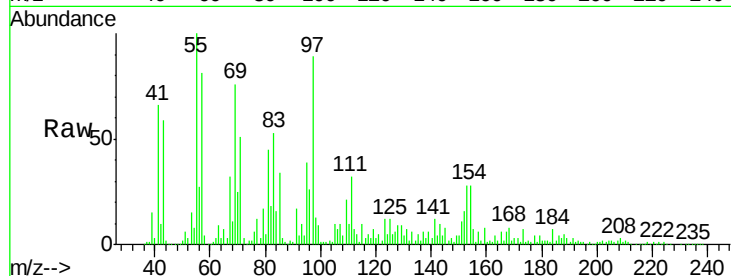
#53
2,4-Dinitrophenol
Concen: 80.72 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.01 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	166508		
63	129.9	98.6	148.0	
154	419.8	183.9	275.9#	

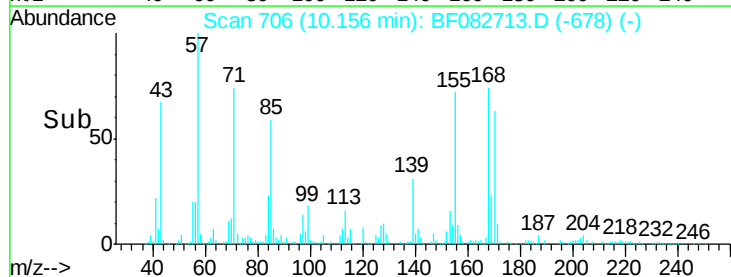
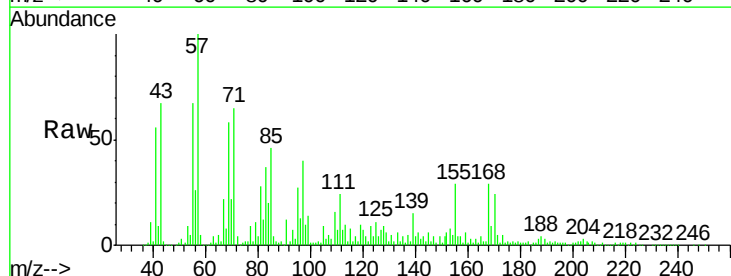
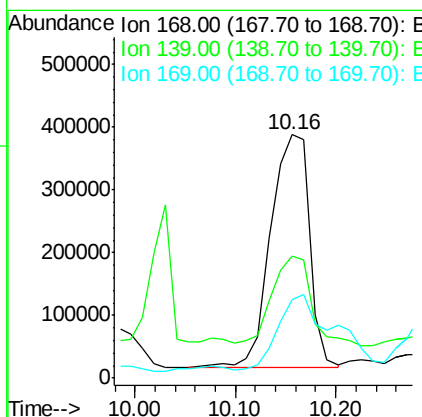
Manual Integrations
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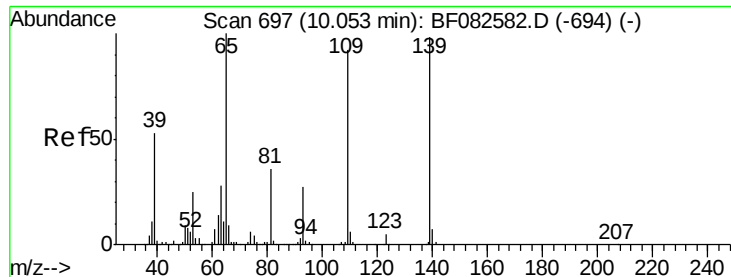
Mmdadoda
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#54
Dibenzofuran
Concen: 47.82 ng
RT: 10.16 min Scan# 706
Delta R.T. 0.02 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	993400		
139	50.0	37.8	56.6	
169	32.2	11.3	16.9#	





#55

4-Nitrophenol

Concen: 113.21 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

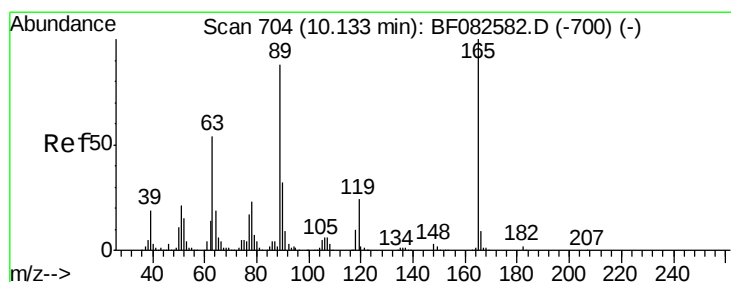
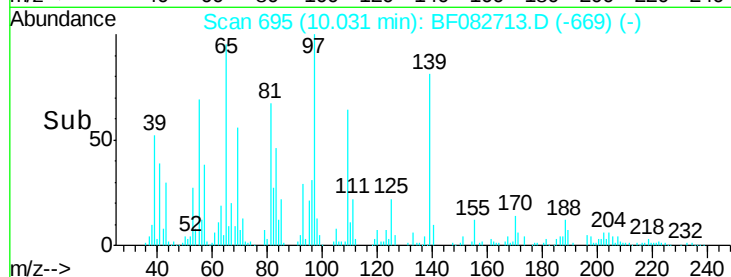
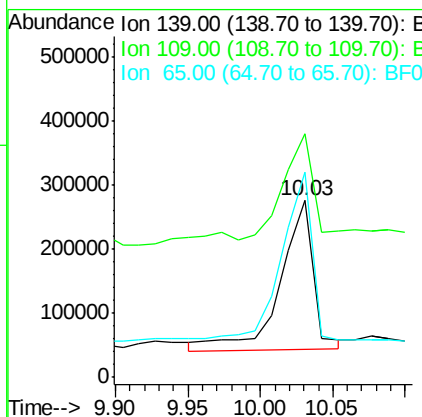
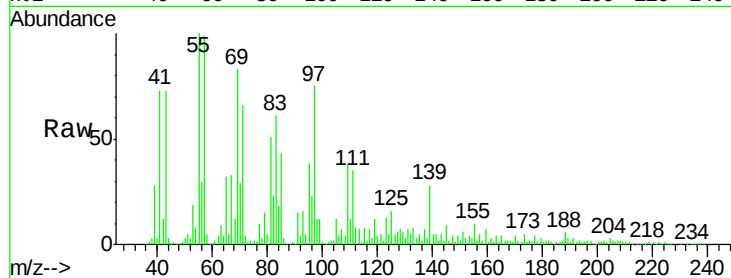
ClientSampleId :

TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	137.7	73.7	113.7#
65	115.9	82.9	122.9

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#56

2,4-Dinitrotoluene

Concen: 43.30 ng

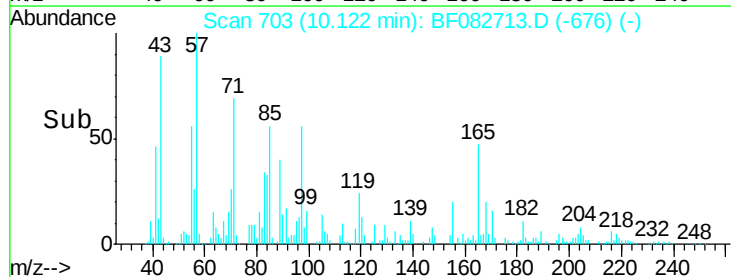
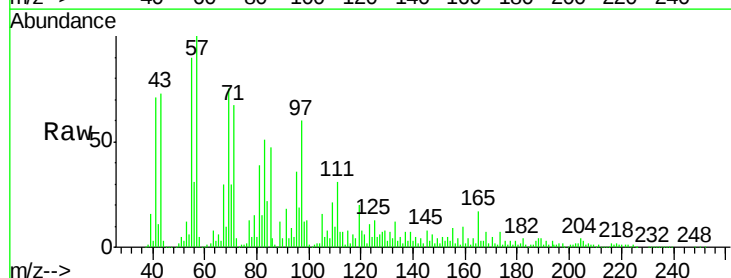
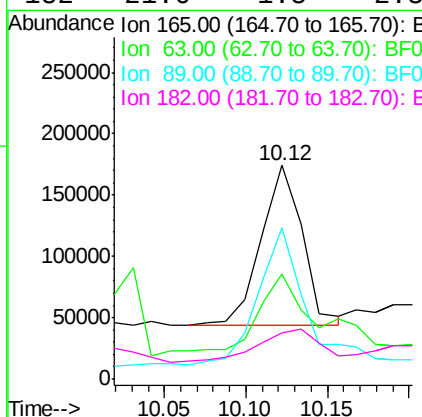
RT: 10.12 min Scan# 703

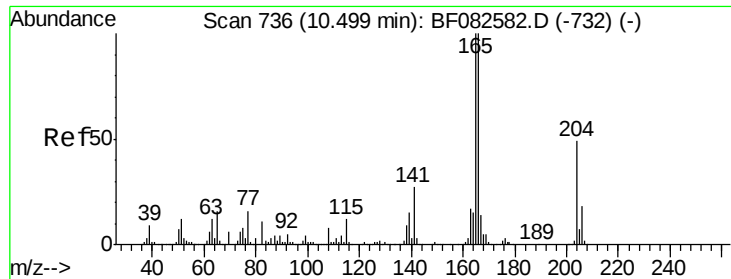
Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.2	43.4	65.0
89	70.7	70.6	106.0
182	21.6	1.5	2.3#





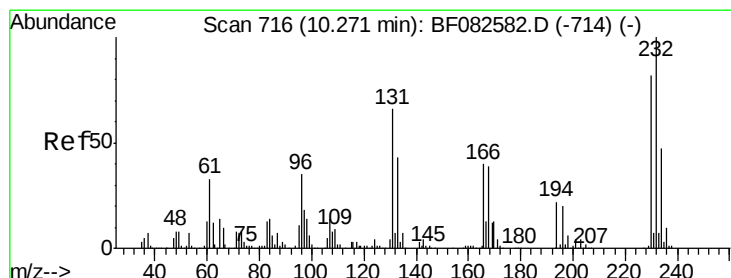
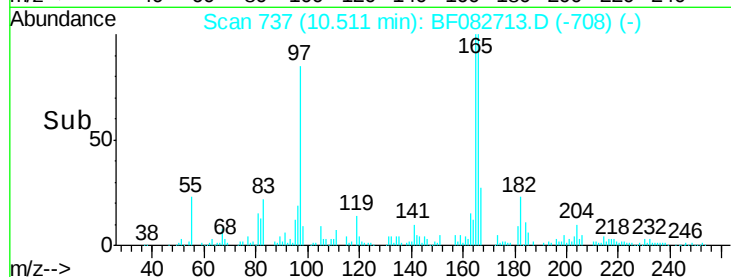
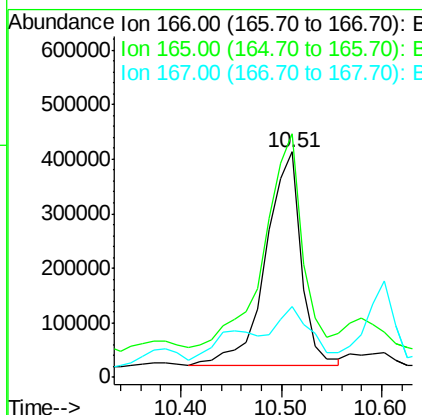
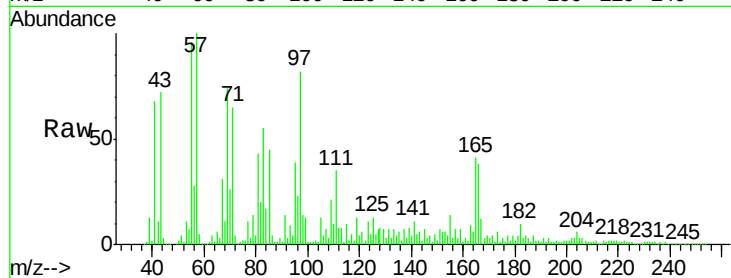
#57
Fluorene
Concen: 56.58 ng
RT: 10.51 min Scan# 737
Delta R.T. 0.03 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.1	80.2	120.4
167	31.4	11.2	16.8#

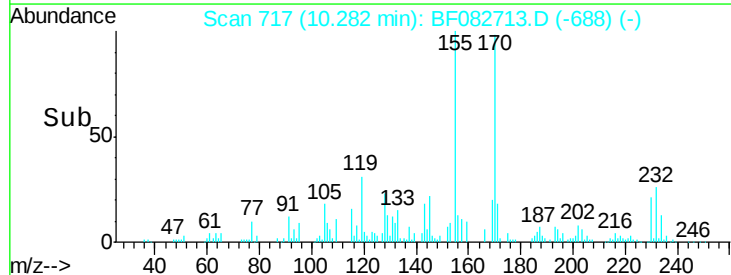
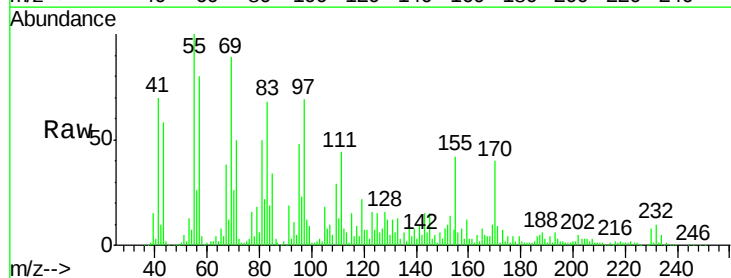
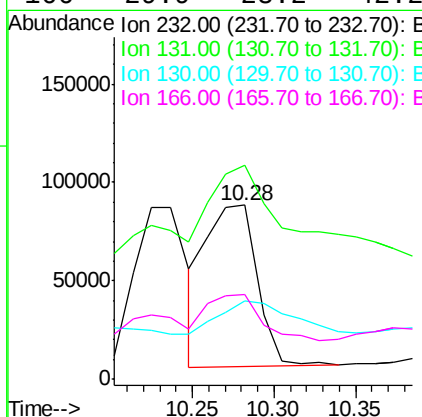
Manual Integrations
APPROVED

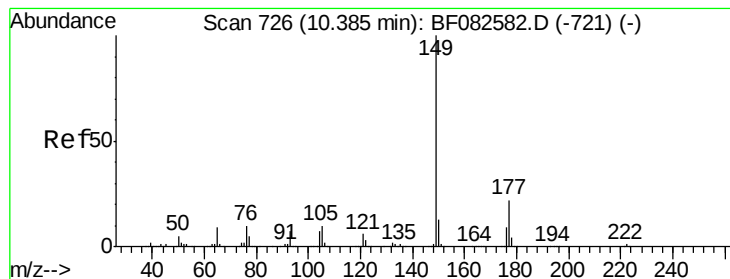
Mmdadoda
11/5/2015 2:19:48 PM



#58
2,3,4,6-Tetrachlorophenol
Concen: 38.39 ng
RT: 10.28 min Scan# 717
Delta R.T. 0.03 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
232	100		
131	149.2	46.2	69.2#
130	29.2	2.4	3.6#
166	29.9	28.2	42.2





#59

Diethylphthalate

Concen: 43.59 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

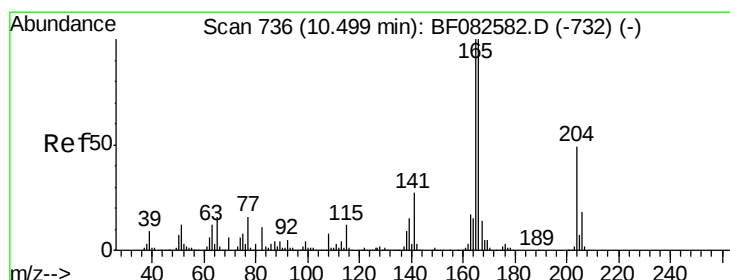
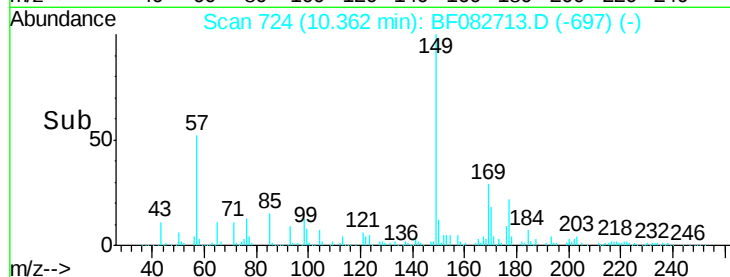
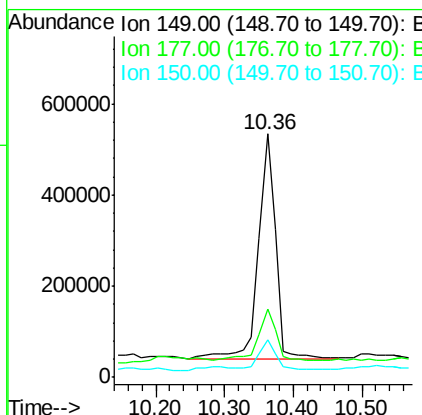
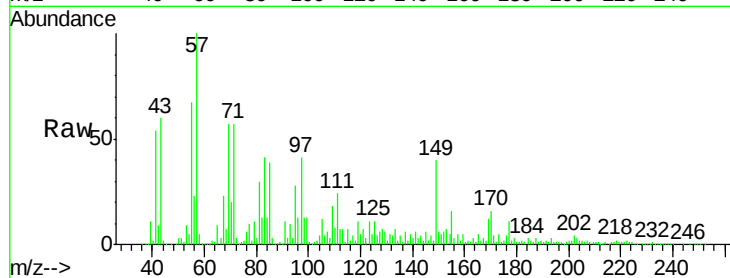
ClientSampleId :

TP-15(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	828401		
177	27.9	17.9	26.9#	
150	15.2	10.1	15.1#	

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#60

4-Chlorophenyl-phenylether

Concen: 42.02 ng

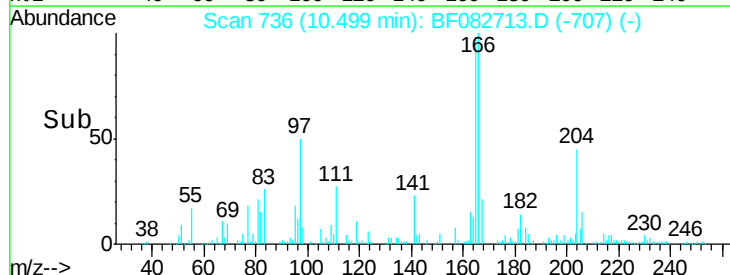
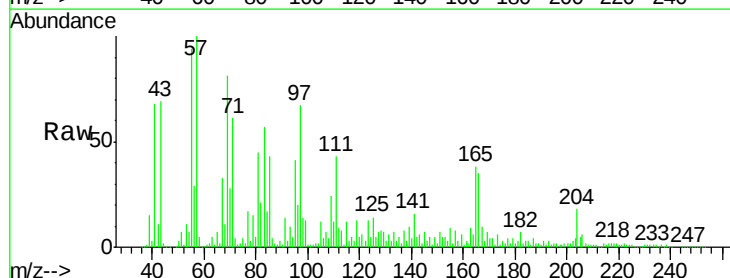
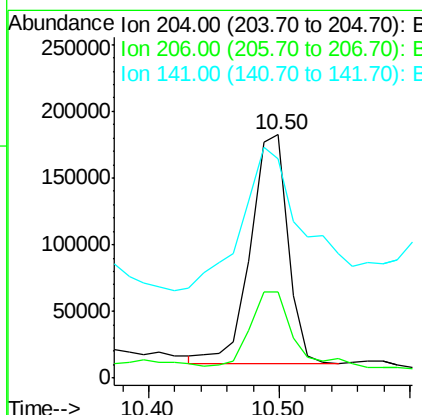
RT: 10.50 min Scan# 736

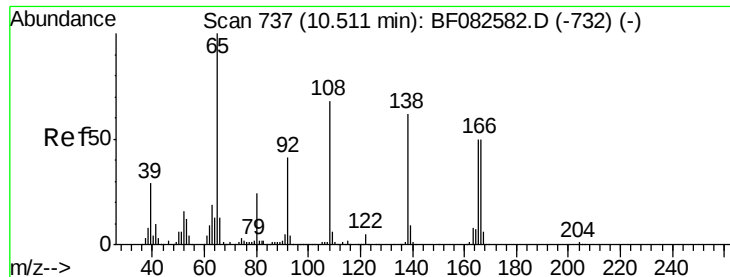
Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	342225		
206	35.3	28.5	42.7	
141	90.1	44.6	66.8#	





#61

4-Nitroaniline

Concen: 35.74 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

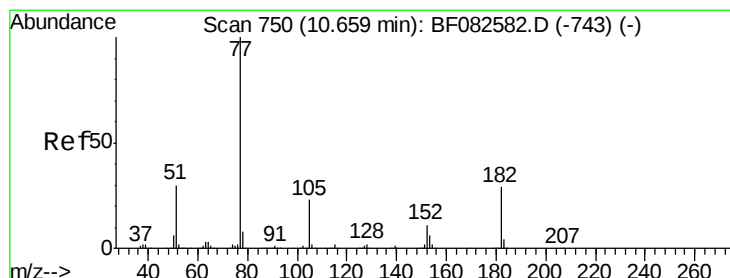
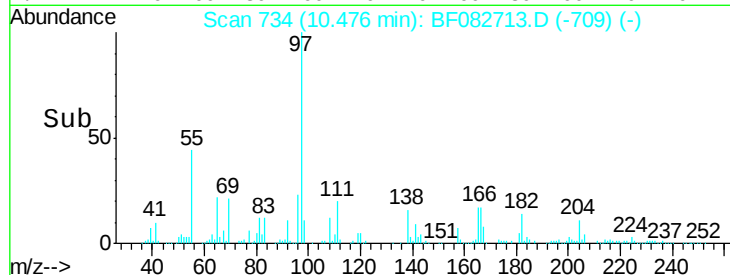
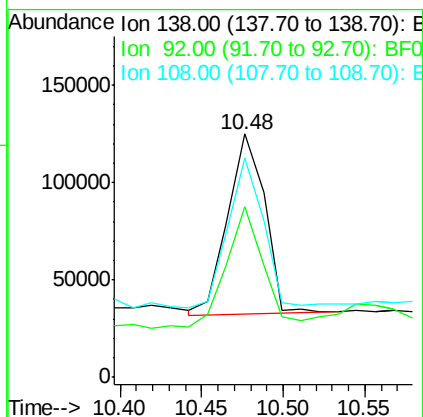
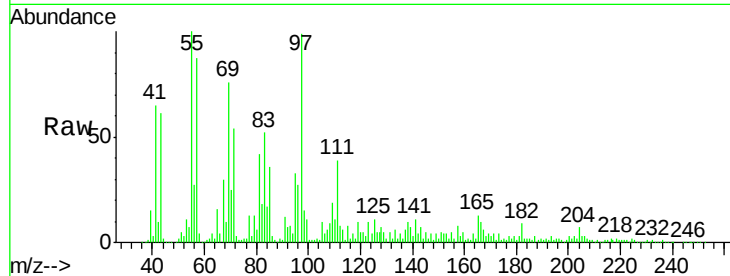
ClientSampleId :

TP-15(3)MSD

Tot Ion:	138	Resp:	146805
Ion Ratio	Lower	Upper	
138	100		
92	69.9	45.8	85.8
108	89.9	89.4	129.4

Manual Integrations
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#62

Azobenzene

Concen: 26.61 ng

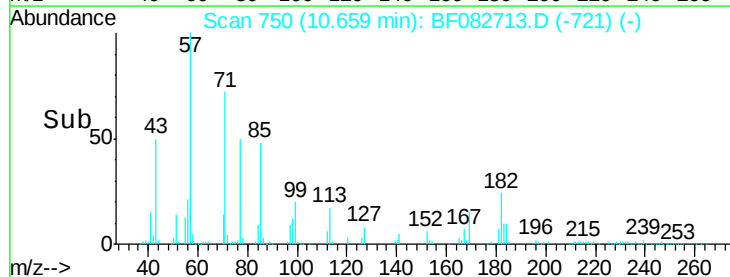
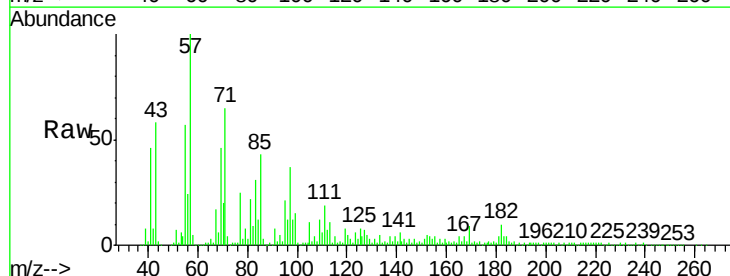
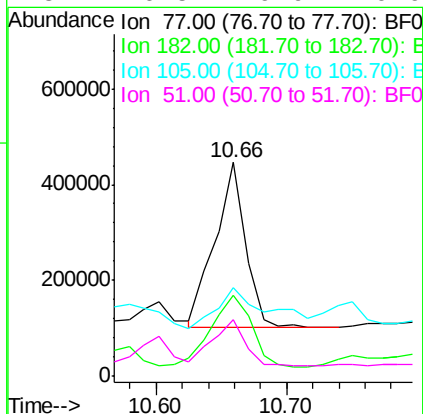
RT: 10.66 min Scan# 750

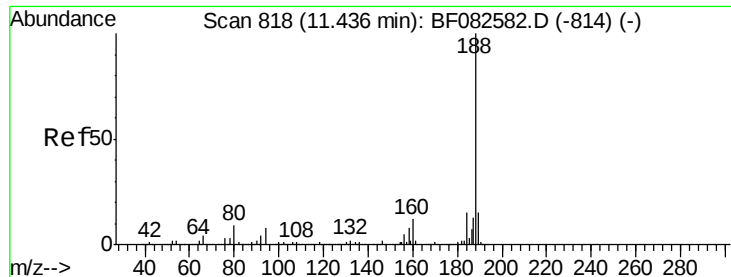
Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	77	Resp:	570174
Ion Ratio	Lower	Upper	
77	100		
182	37.6	9.3	49.3
105	41.5	2.6	42.6
51	26.5	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

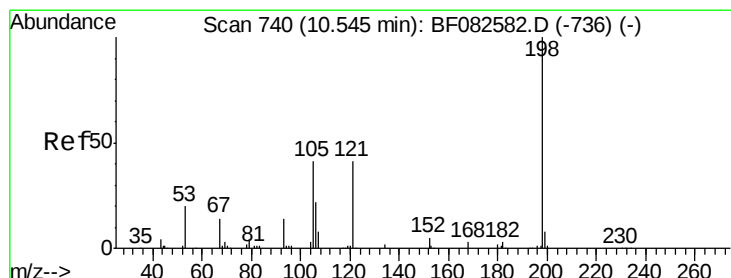
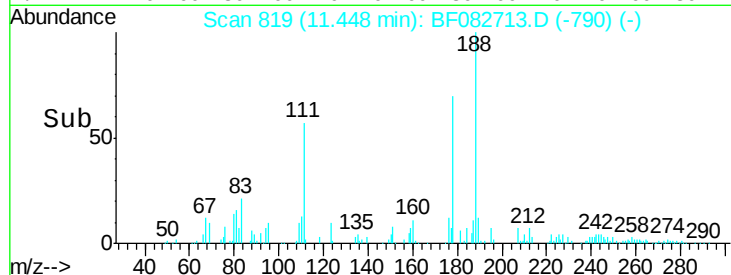
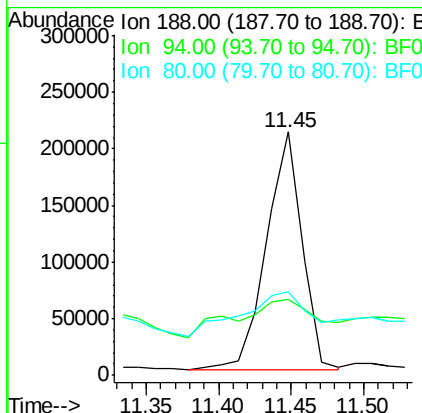
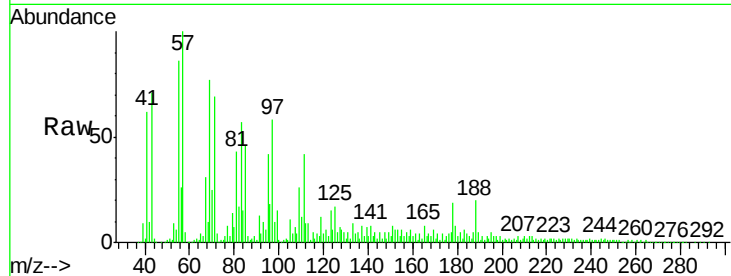
ClientSampleId :

TP-15(3)MSD

Tot Ion:	188	Resp:	353952
Ion Ratio	Lower	Upper	
188	100		
94	31.2	6.1	9.1#
80	34.4	7.0	10.6#

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 48.97 ng

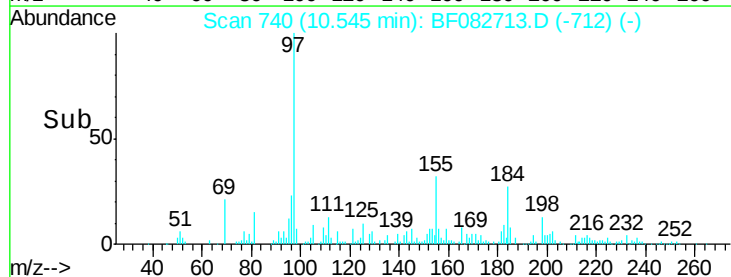
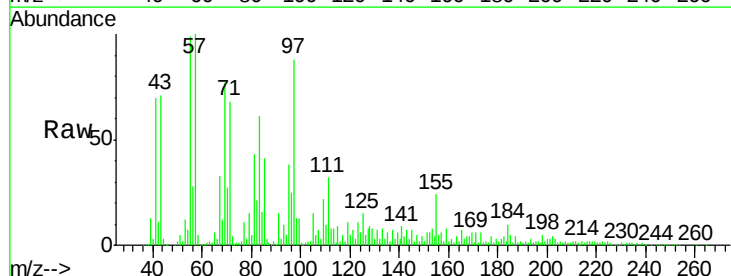
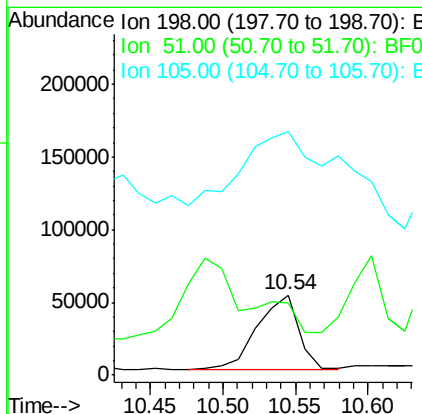
RT: 10.54 min Scan# 740

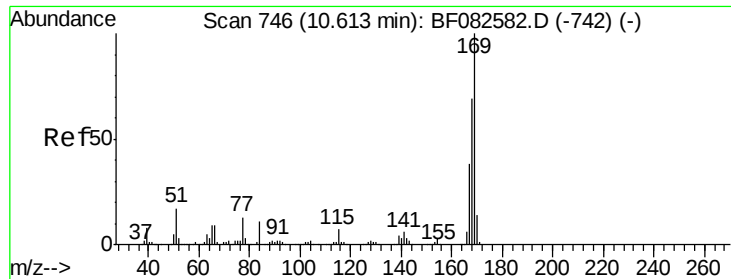
Delta R.T. 0.02 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	198	Resp:	104550
Ion Ratio	Lower	Upper	
198	100		
51	90.1	17.3	57.3#
105	304.1	21.7	61.7#





#65

n-Nitrosodiphenylamine

Concen: 133.37 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleId :

TP-15(3)MSD

Tot Ion:169 Resp: 1622726

Ion Ratio Lower Upper

169 100

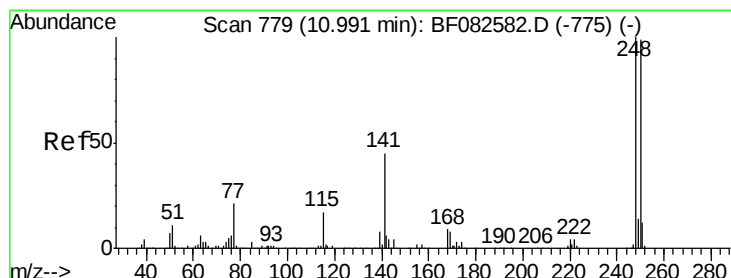
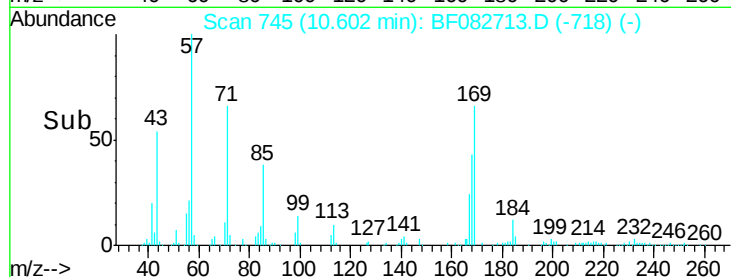
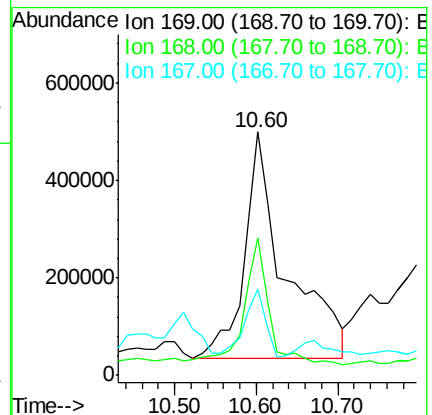
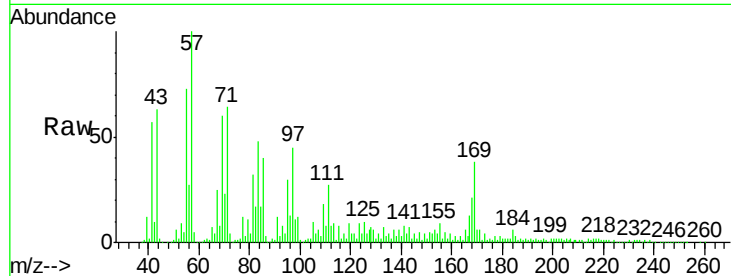
168 56.2 55.0 82.6

167 35.4 30.5 45.7

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#66

4-Bromophenyl-phenylether

Concen: 59.26 ng

RT: 10.99 min Scan# 779

Delta R.T. 0.03 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

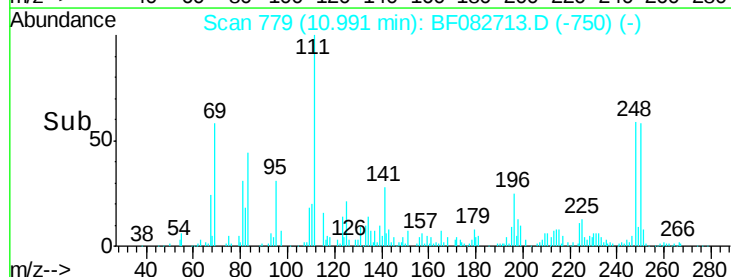
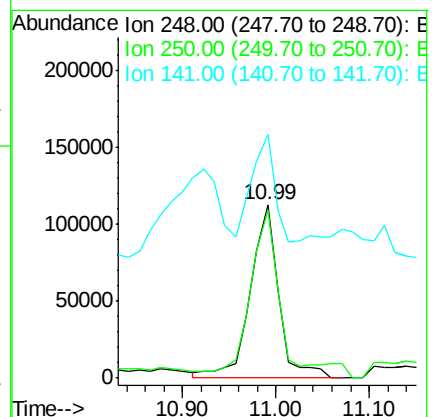
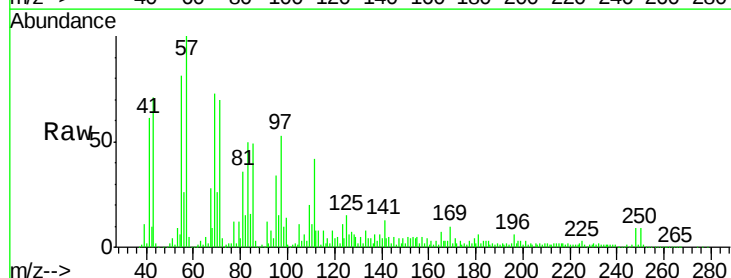
Tgt Ion:248 Resp: 237709

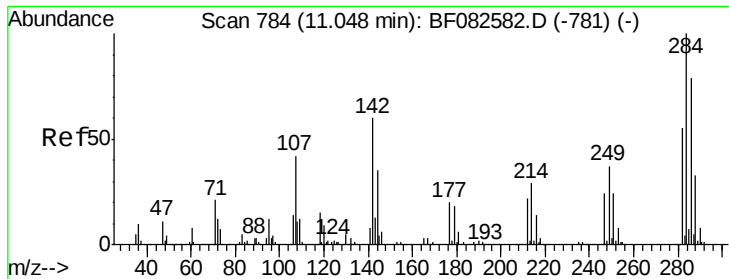
Ion Ratio Lower Upper

248 100

250 96.8 79.4 119.2

141 140.3 36.3 54.5#





#67

Hexachlorobenzene

Concen: 50.82 ng

RT: 11.08 min Scan# 787

Delta R.T. 0.06 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

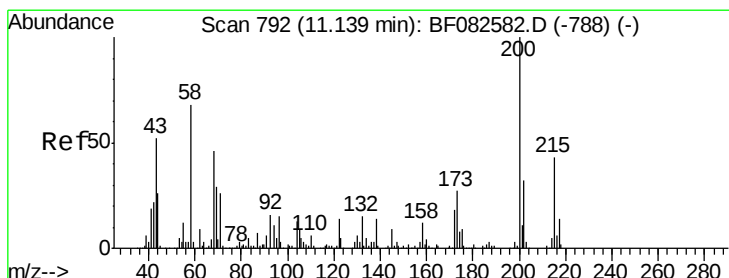
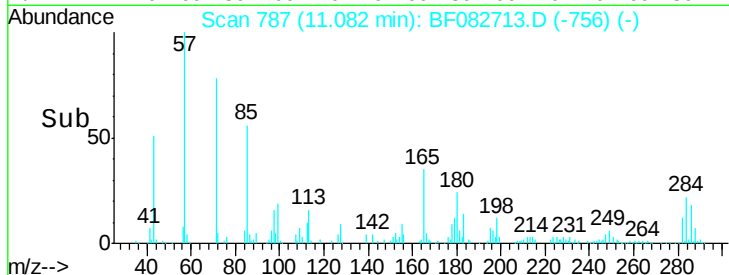
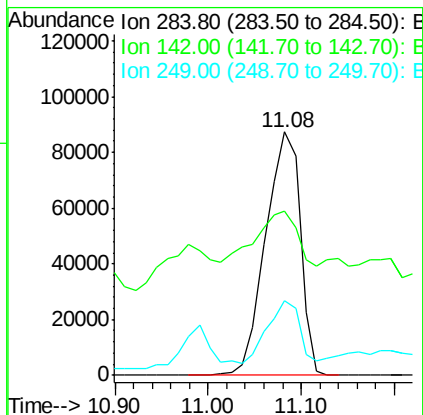
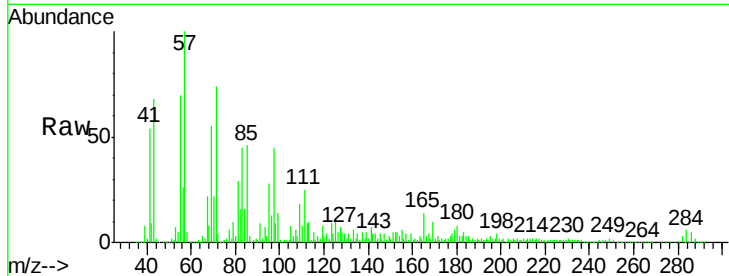
ClientSampleId :

TP-15(3)MSD

Tot Ion:	284	Resp:	226039
Ion Ratio	Lower	Upper	
284	100		
142	67.4	47.9	71.9
249	30.5	29.7	44.5

Manual Integrations
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#68

Atrazine

Concen: 65.02 ng

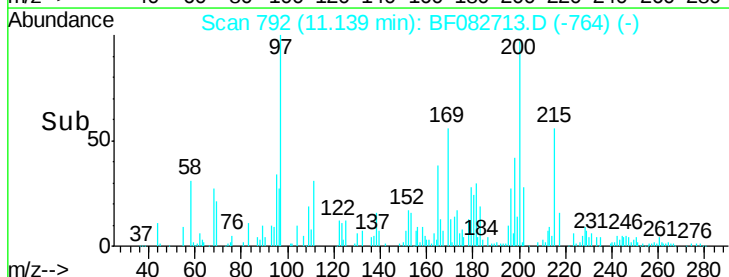
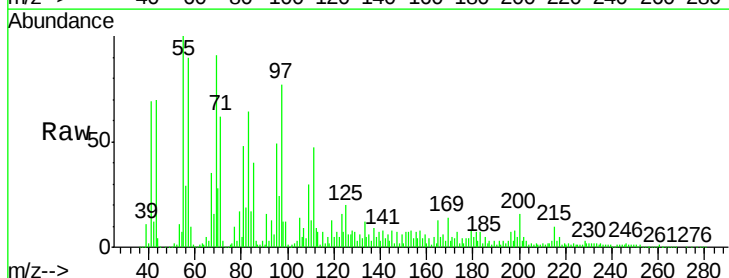
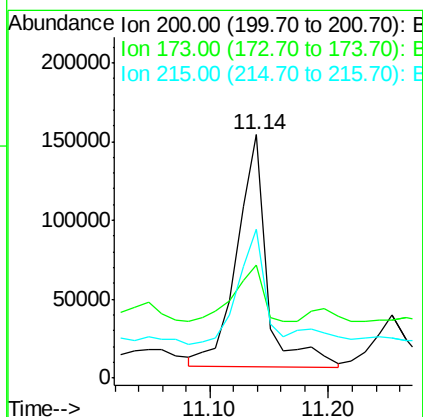
RT: 11.14 min Scan# 792

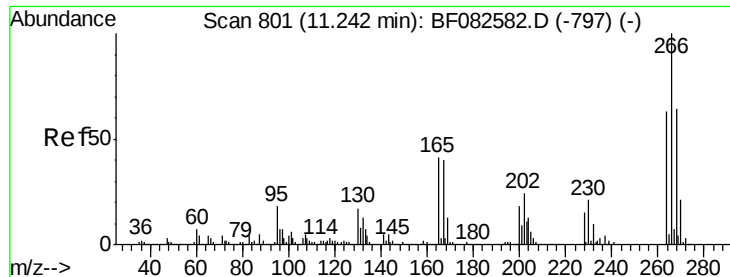
Delta R.T. 0.02 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	200	Resp:	258823
Ion Ratio	Lower	Upper	
200	100		
173	46.3	6.9	46.9
215	61.2	22.9	62.9





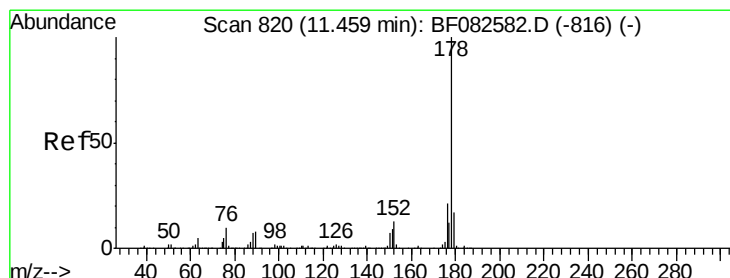
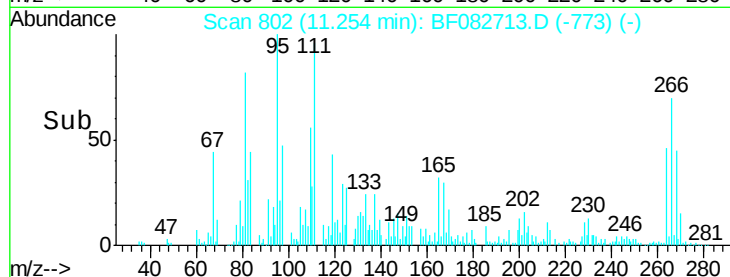
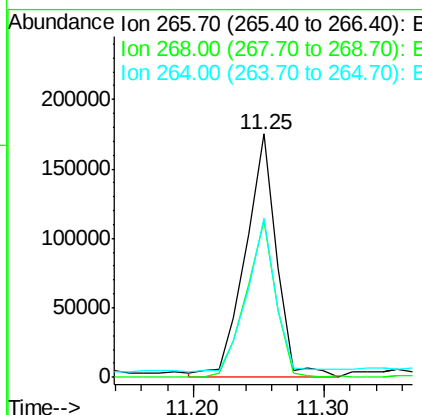
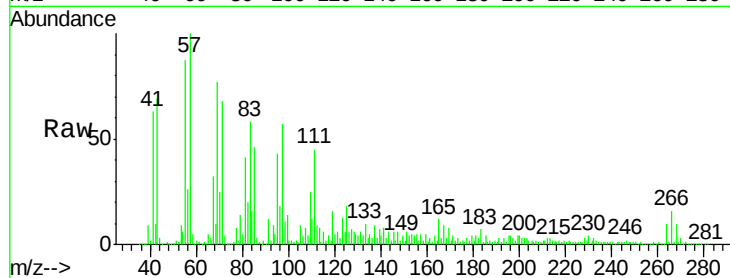
#69
 Pentachlorophenol
 Concen: 99.71 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.03 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	292414		
268	64.3	51.0	76.6	
264	65.5	50.6	75.8	

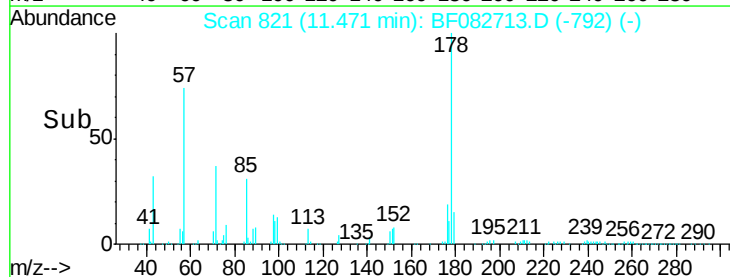
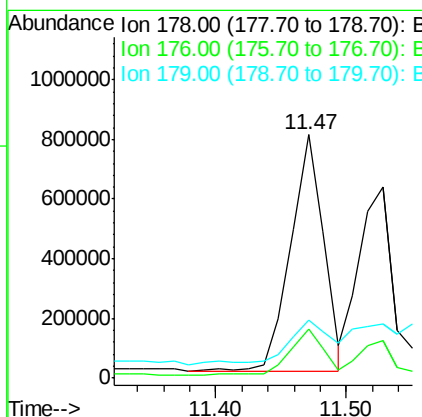
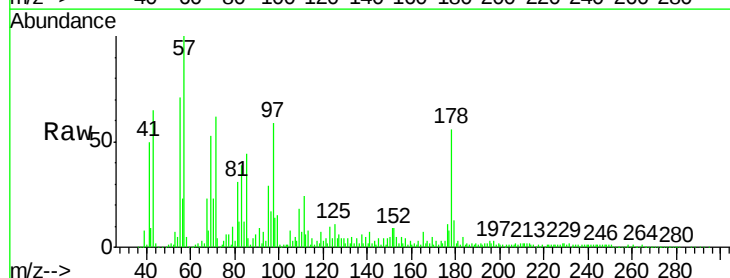
Manual Integrations
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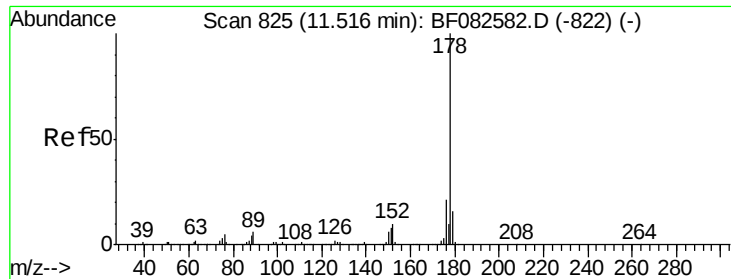
Mmdadoda
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#70
 Phenanthrene
 Concen: 70.11 ng
 RT: 11.47 min Scan# 821
 Delta R.T. 0.03 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1399619		
176	20.1	17.0	25.4	
179	23.6	13.4	20.0	





#71

Anthracene

Concen: 55.75 ng/mL

RT: 11.53 min Scan# 826

Delta R.T. 0.05 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampleID :

TP-15(3)MSD

Tot Ion:178 Resp: 1120542

Ion Ratio Lower Upper

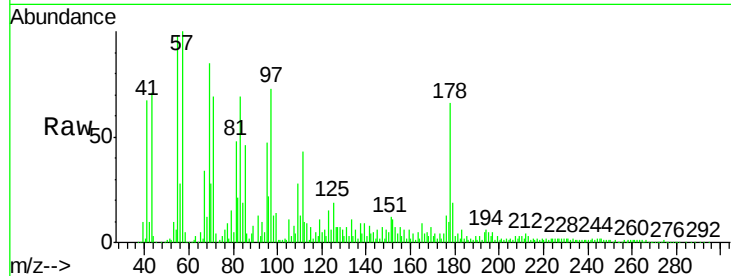
178 100

176 19.5 16.5 24.7

179 28.2 13.2 19.8#

Manual Integrations
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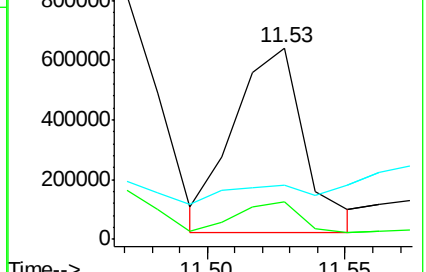
Mmdadoda
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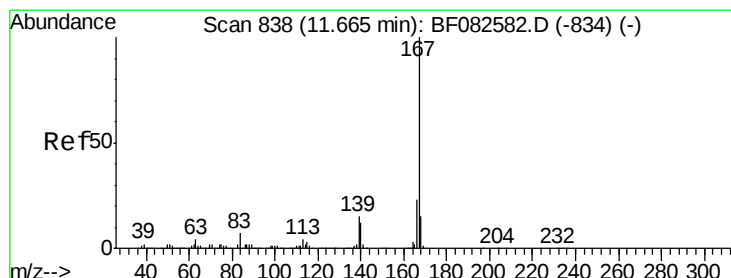
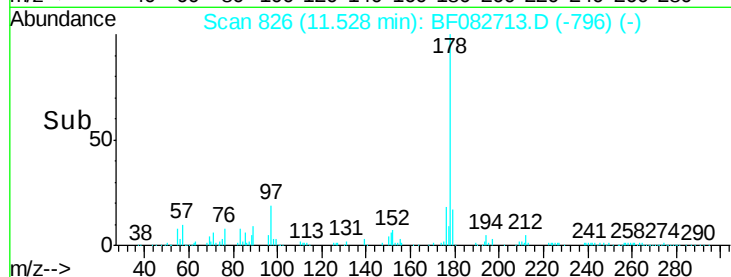
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 51.89 ng/mL

RT: 11.67 min Scan# 838

Delta R.T. 0.02 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

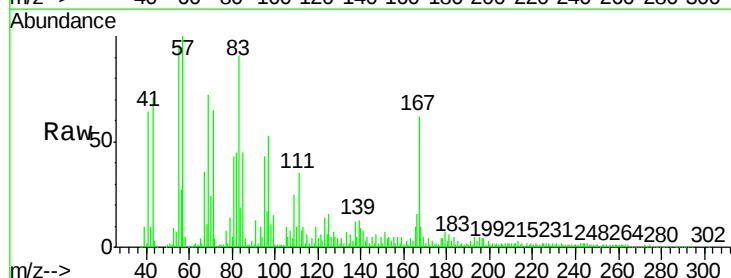
Tgt Ion:167 Resp: 908491

Ion Ratio Lower Upper

167 100

166 25.4 18.7 28.1

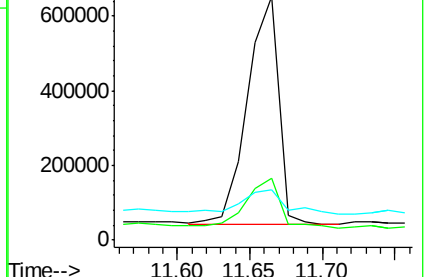
139 20.6 11.8 17.6#



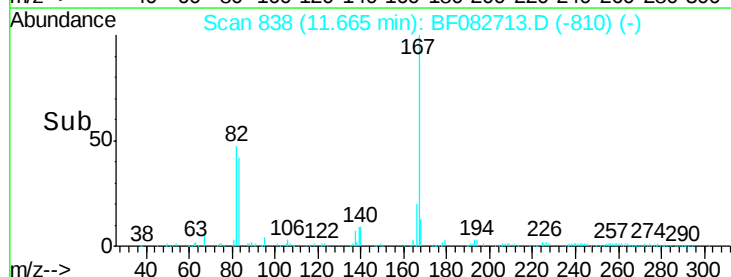
Abundance Ion 167.00 (166.70 to 167.70): E

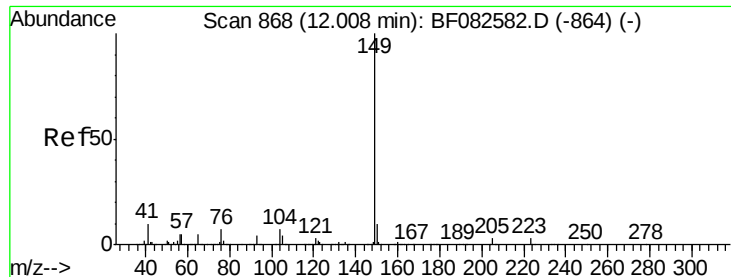
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#73

Di-n-butylphthalate

Concen: 51.91 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

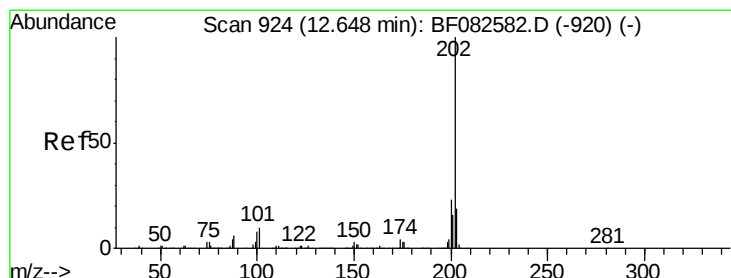
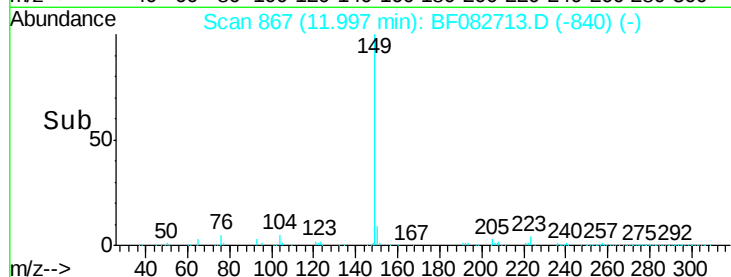
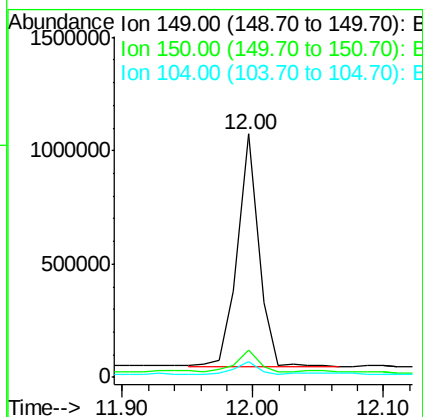
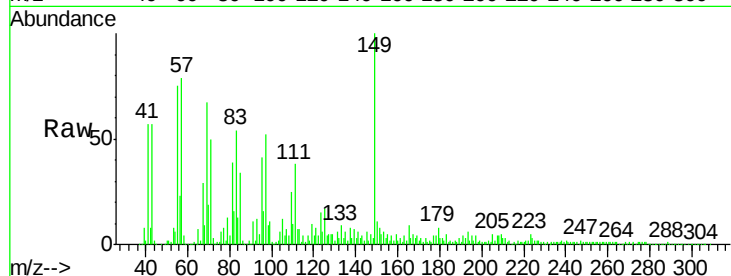
ClientSampleId :

TP-15(3)MSD

Tot Ion:	149	Resp:	1156886
Ion Ratio	Lower	Upper	
149	100		
150	11.2	8.1	12.1
104	6.3	5.2	7.8

Manual Integrations
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#74

Fluoranthene

Concen: 56.26 ng

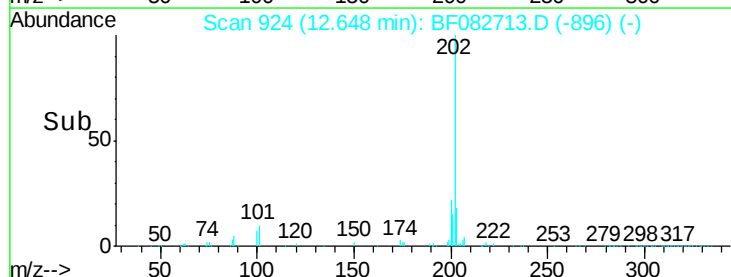
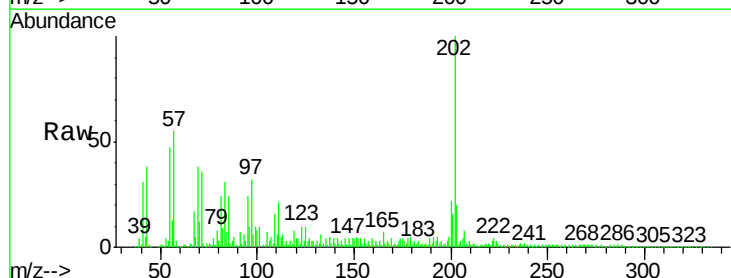
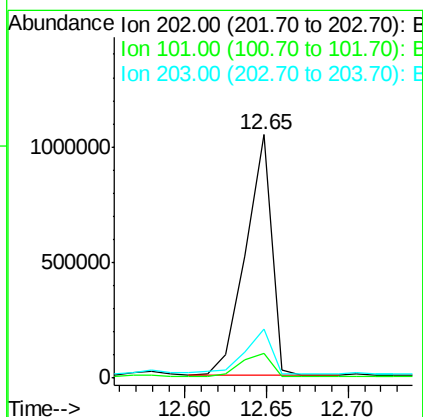
RT: 12.65 min Scan# 924

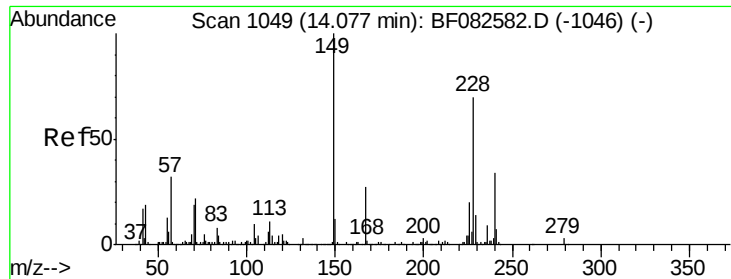
Delta R.T. 0.02 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Tgt Ion:	202	Resp:	1148275
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	30.5
203	19.9	0.0	38.5





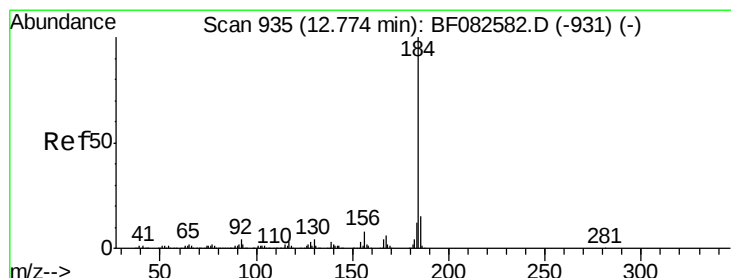
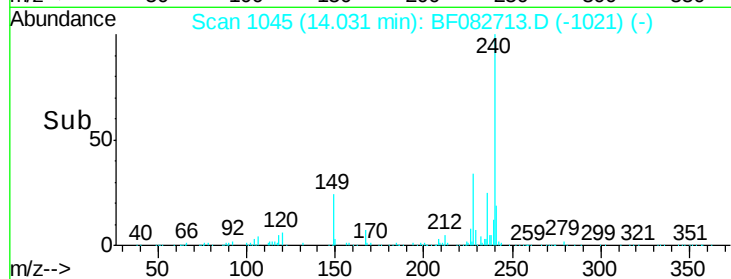
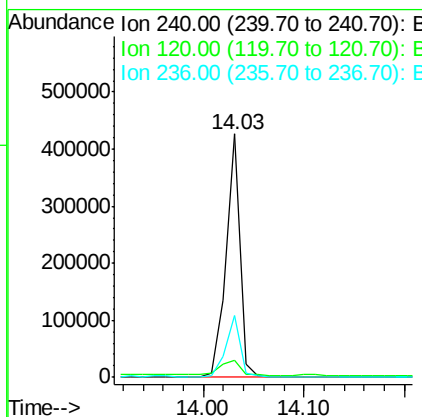
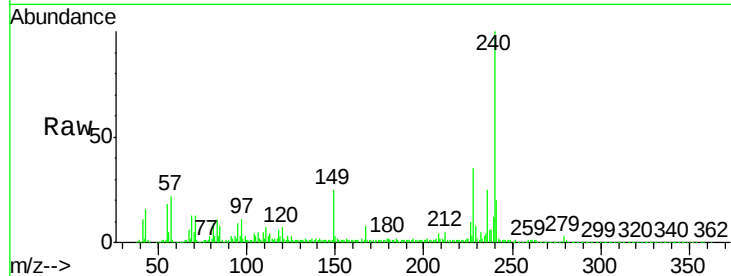
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	6.8	10.9	16.3#	
236	25.3	21.6	32.4	

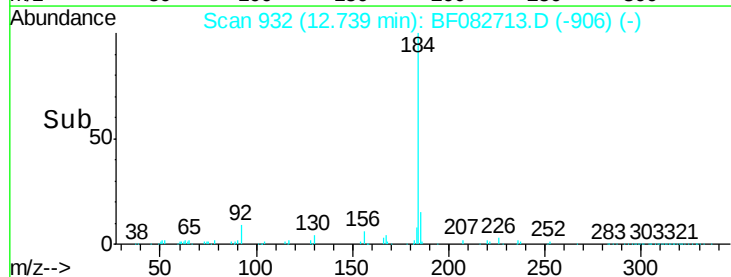
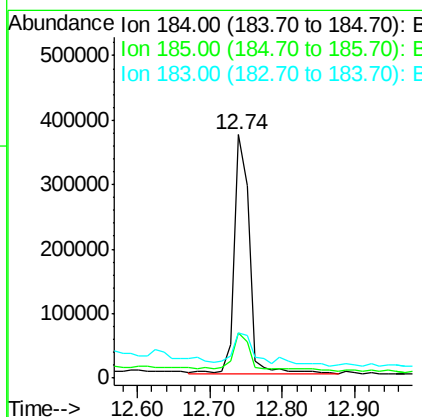
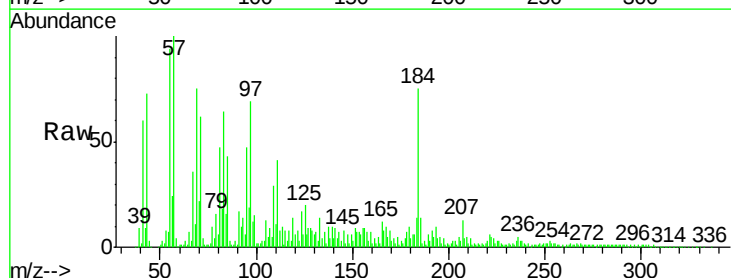
Manual Integrations
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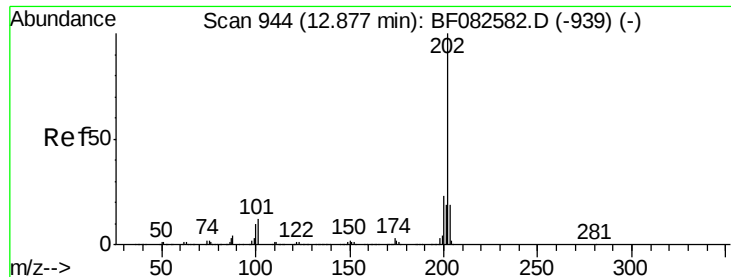
Mmdadoda
11/5/2015 2:19:48 PM



#76
Benzidine
Concen: 28.63 ng
RT: 12.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	18.7	12.0	18.0#	
183	18.5	9.6	14.4#	





#77

Pvrene

Concen: 38.45 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.01 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

ClientSampled :

TP-15(3)MSD

Tot Ion:202 Resp: 1162956

Ion Ratio Lower Upper

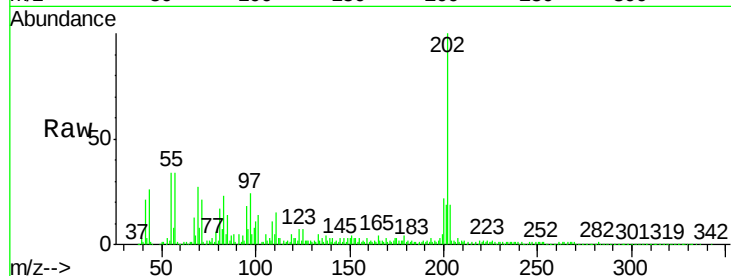
202 100

200 22.1 18.7 28.1

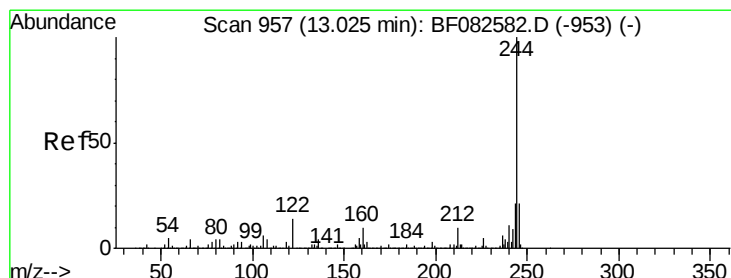
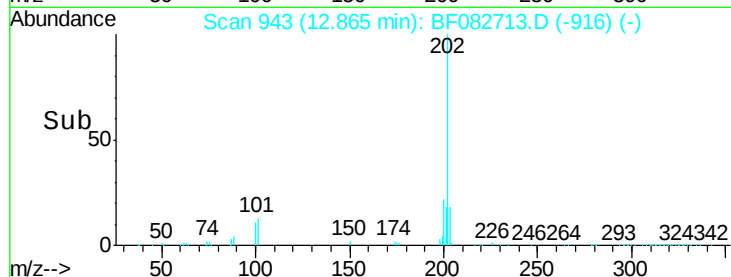
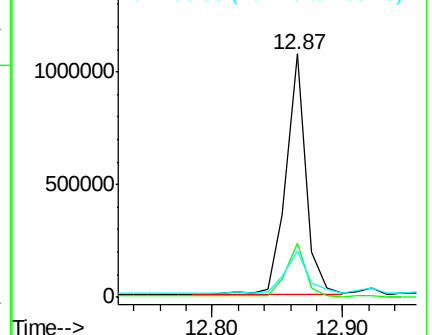
203 19.4 14.8 22.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.70 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

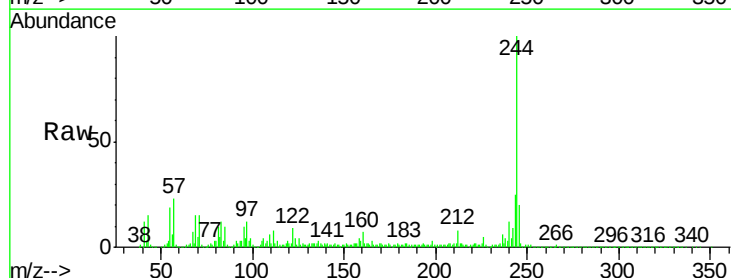
Tgt Ion:244 Resp: 1618074

Ion Ratio Lower Upper

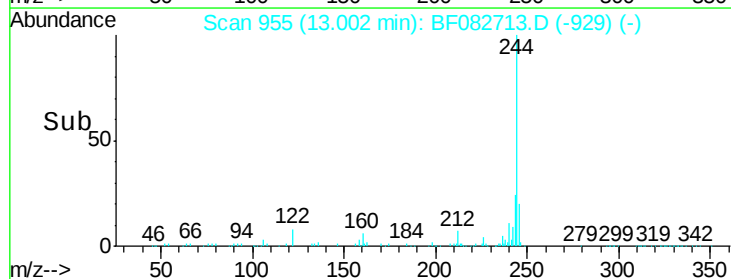
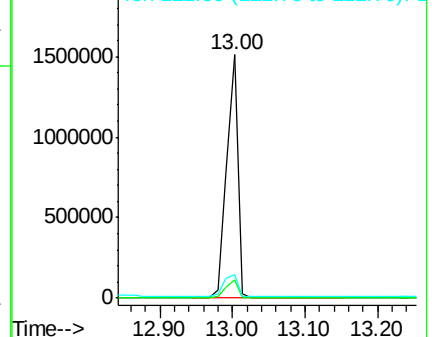
244 100

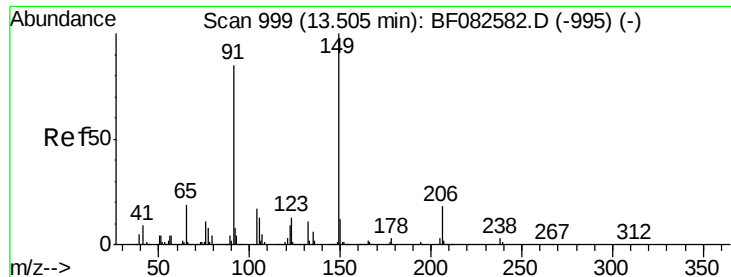
212 7.7 7.6 11.4

122 9.4 11.3 16.9#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 47.31 ng

RT: 13.46 min Scan# 995

Delta R.T. -0.02 min

Lab File: BF082713.D

Acq: 4 Nov 2015 21:09

Instrument :

BNA_F

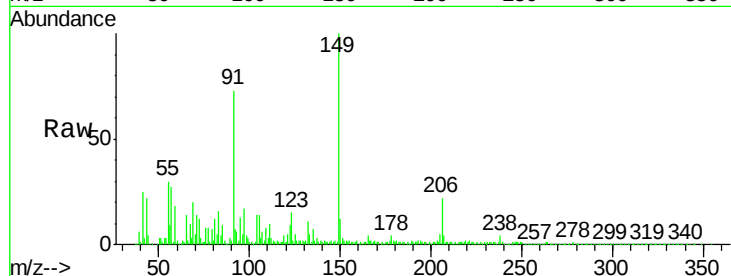
ClientSampleId :

TP-15(3)MSD

Tot Ion:	149	Resp:	626669
Ion Ratio	Lower	Upper	
149	100		
91	72.7	67.7	101.5
206	21.6	14.6	22.0

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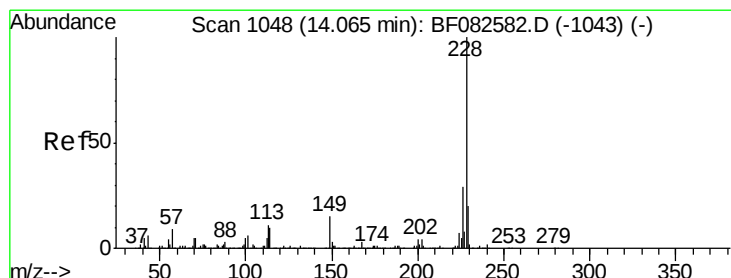
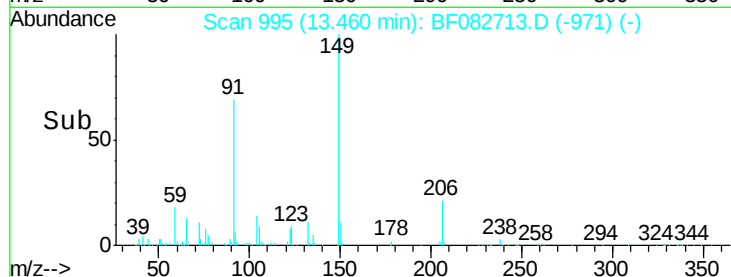
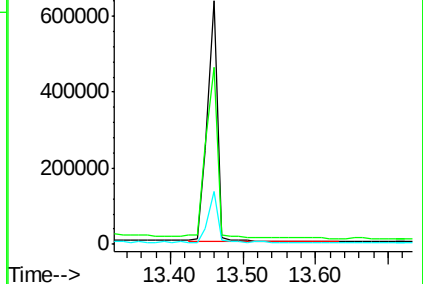
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 41.69 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF082713.D

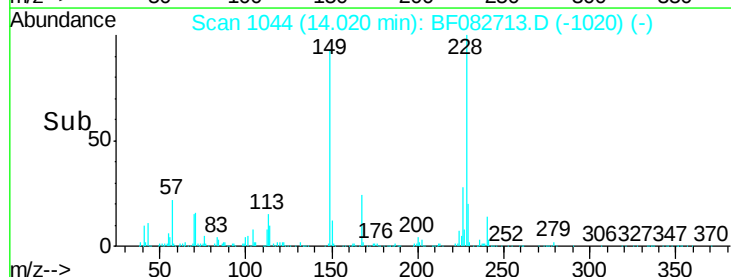
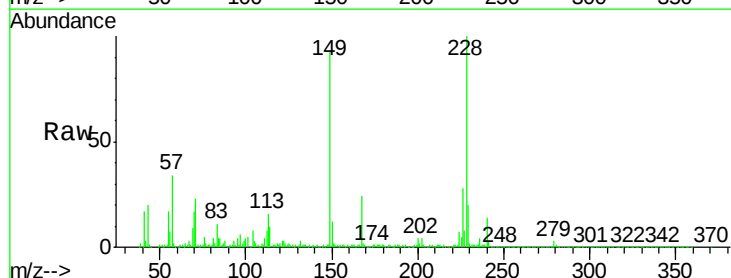
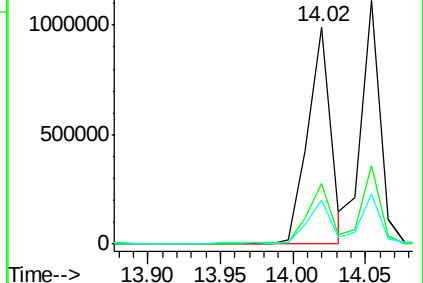
Acq: 4 Nov 2015 21:09

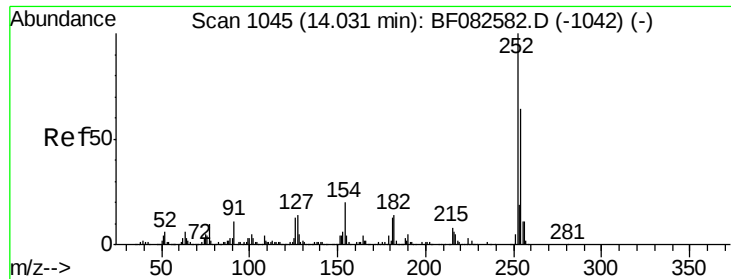
Tgt Ion:	228	Resp:	1081557
Ion Ratio	Lower	Upper	
228	100		
226	27.9	23.4	35.2
229	20.1	16.3	24.5

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





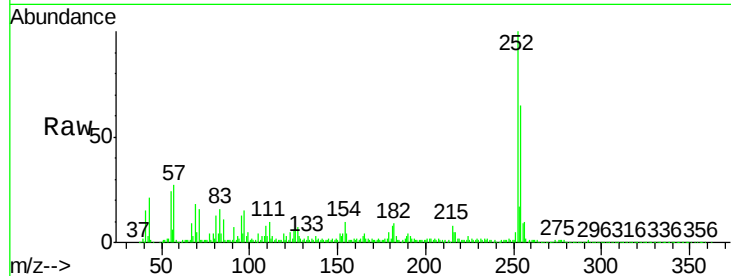
#81
 3,3'-Dichlorobenzidine
 Concen: 42.99 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	384347		
254	65.3	51.4	77.0	
126	5.8	10.7	16.1	

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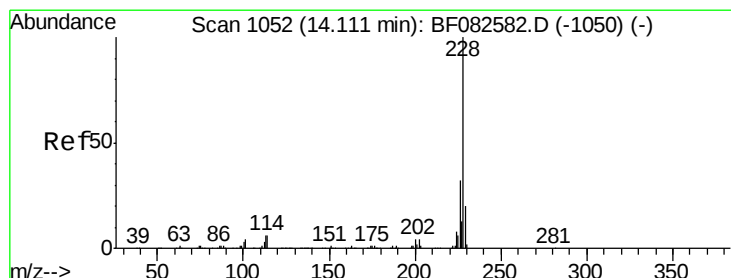
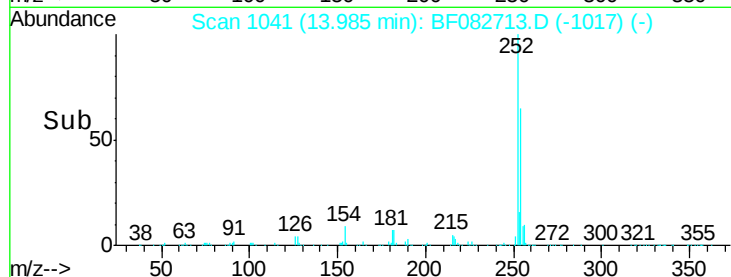
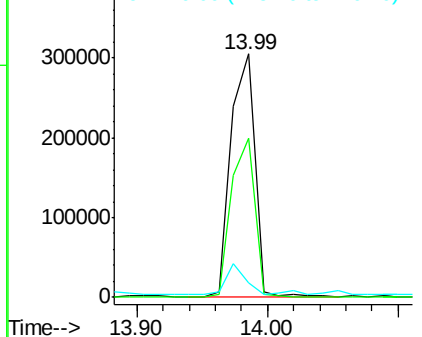


Abundance

Ion 252.00 (251.70 to 252.70): E

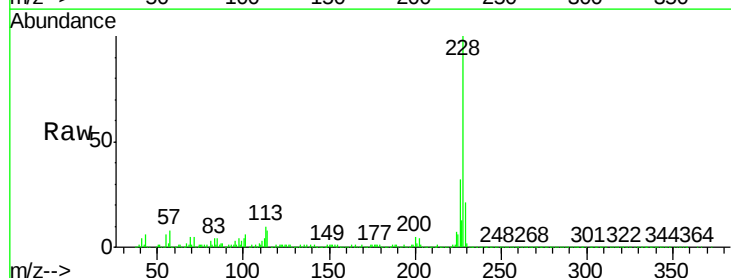
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82
 Chrysene
 Concen: 42.83 ng m
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1007156		
226	32.5	25.5	38.3	
229	20.8	16.3	24.5	

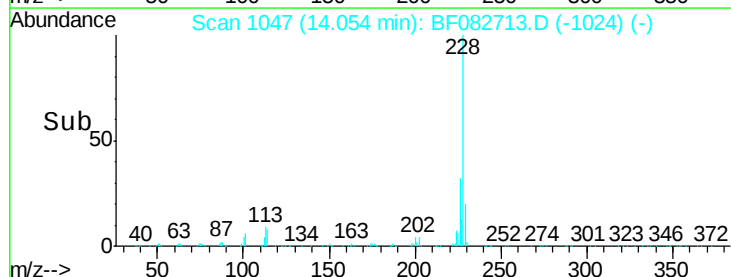
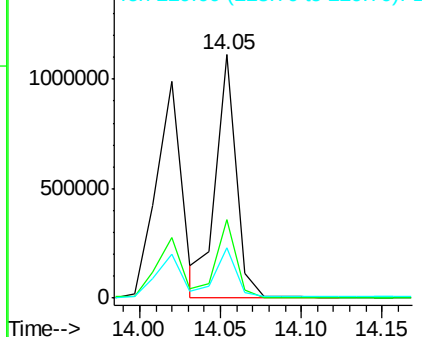


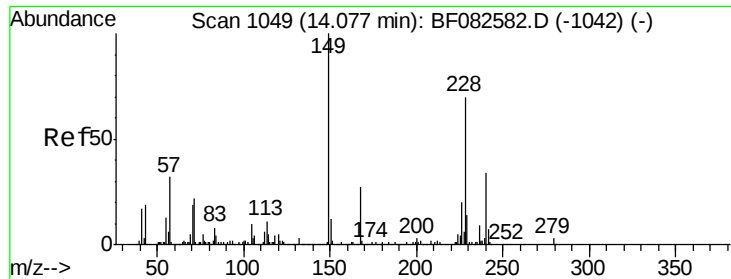
Abundance

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





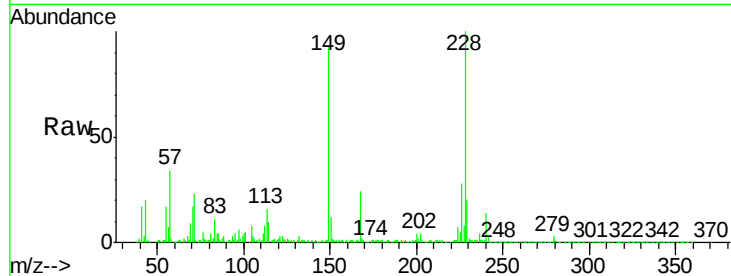
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.33 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.03 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.2	31.8
279	2.8	2.2	3.2

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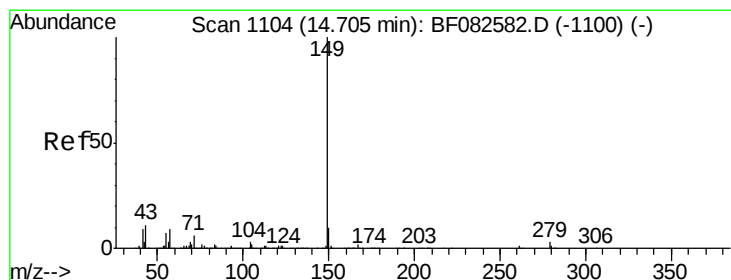
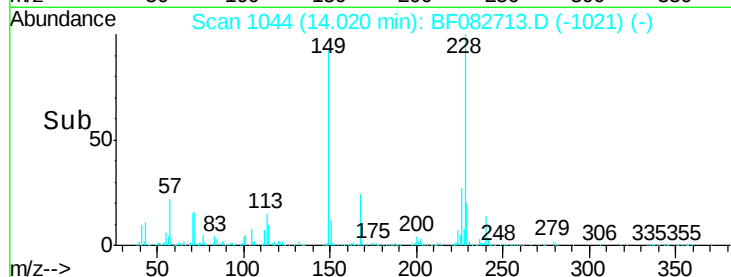
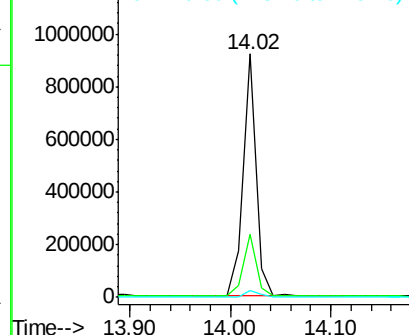


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84
 Di-n-octyl phthalate
 Concen: 50.42 ng
 RT: 14.64 min Scan# 1098
 Delta R.T. -0.03 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

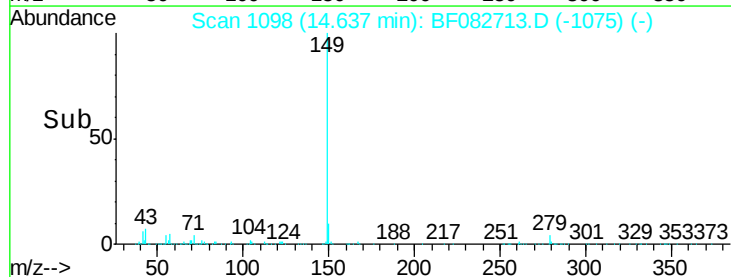
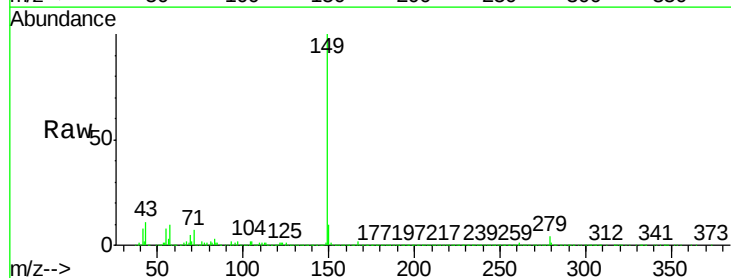
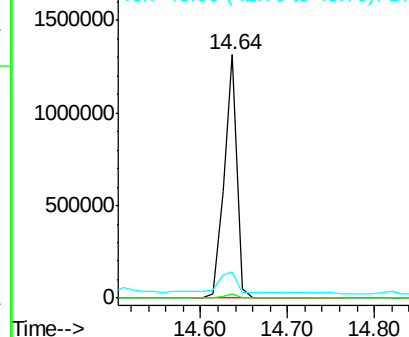
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	10.1	15.1

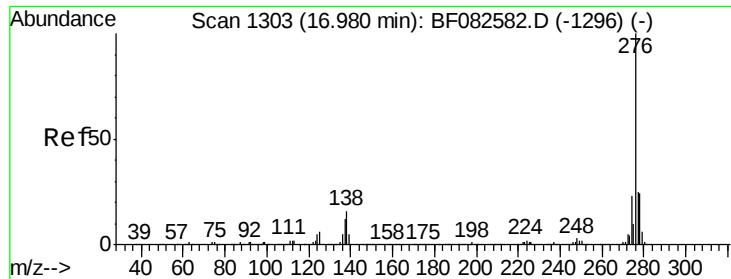
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





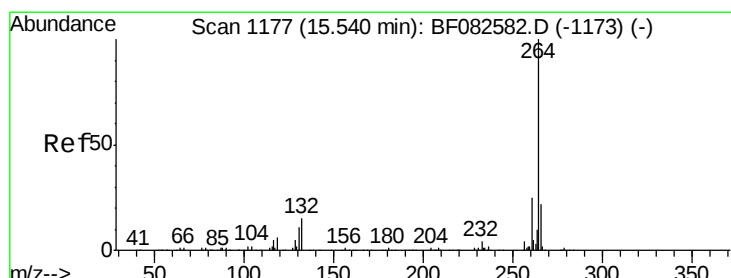
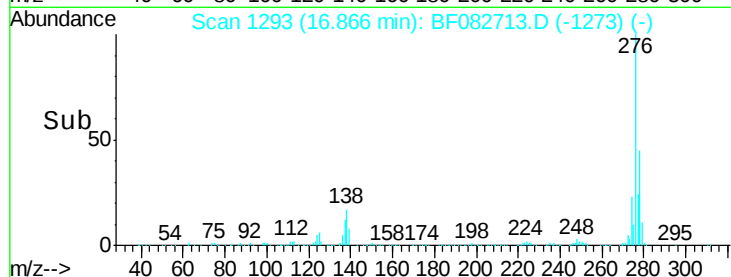
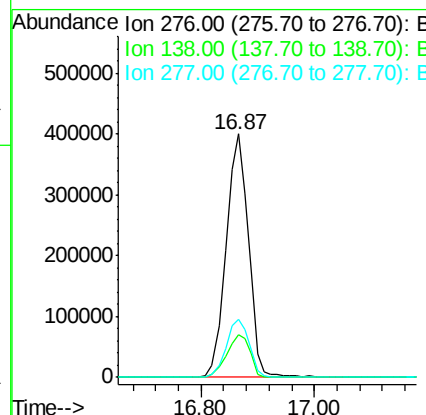
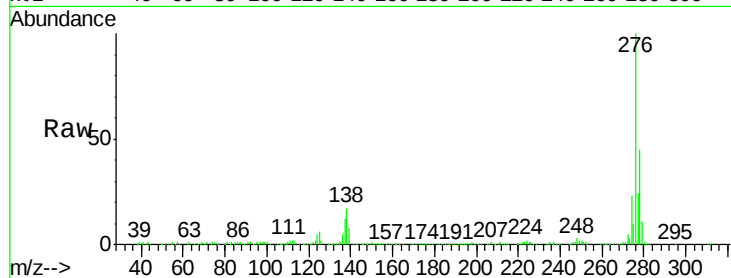
#85
Indeno(1,2,3-cd)pyrene
Concen: 56.90 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.07 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.3	22.9
277	25.1	20.2	30.4

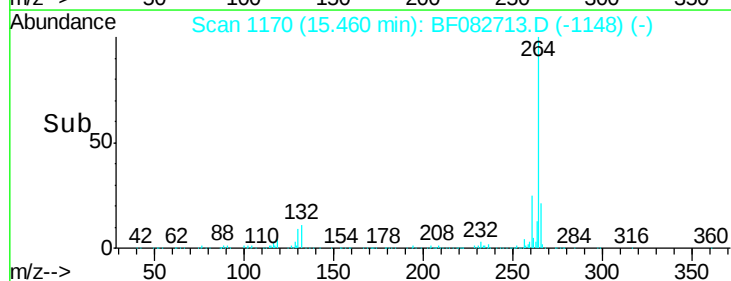
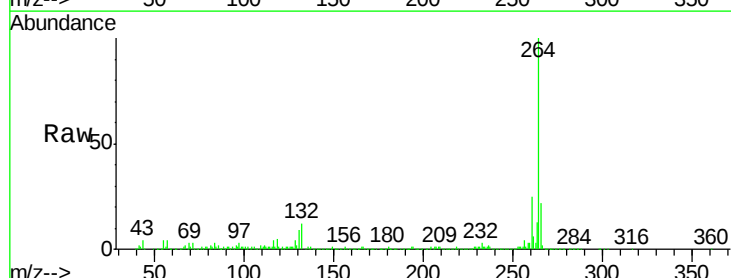
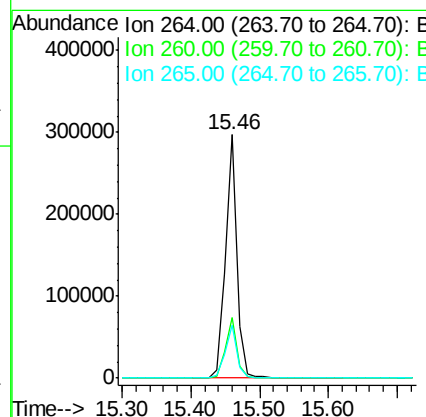
Manual Integrations
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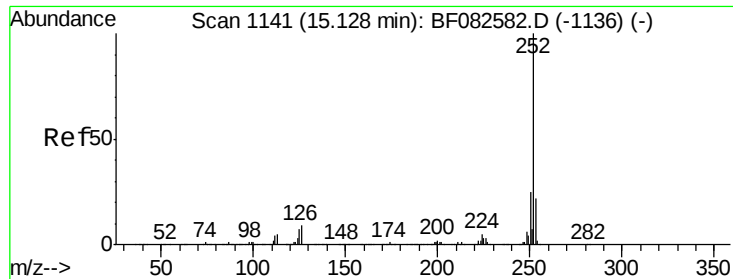
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.6
265	21.7	17.4	26.0





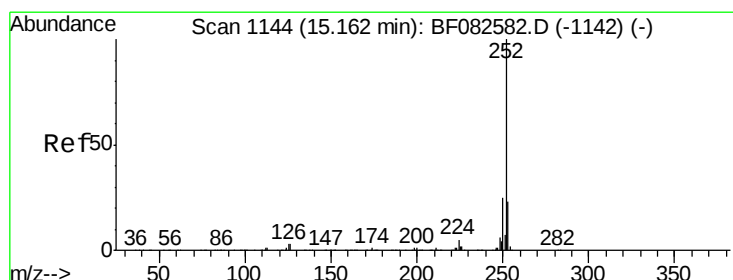
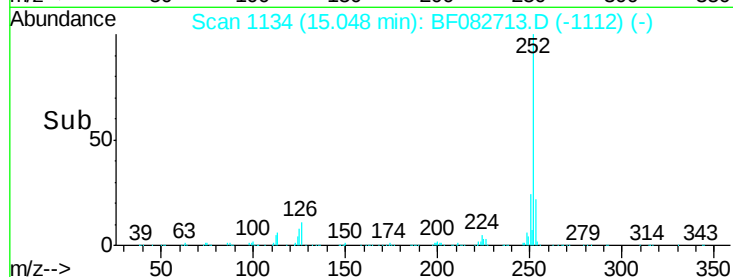
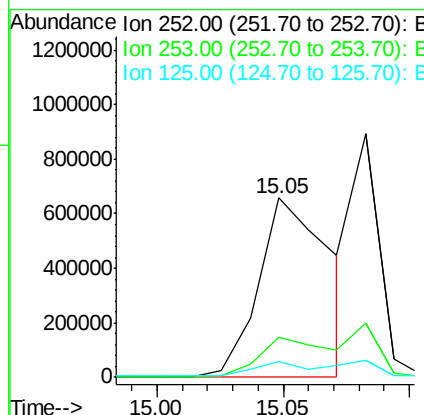
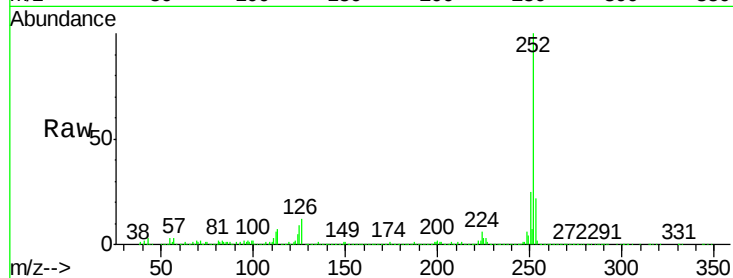
#87
Benzo(b)fluoranthene
Concen: 53.66 ng m
RT: 15.05 min Scan# 1134
Delta R.T. -0.05 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.1	5.4	8.2

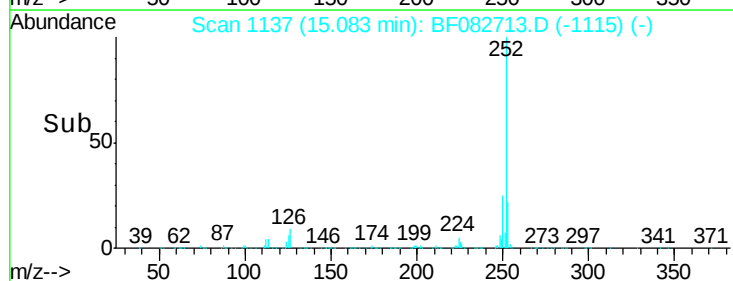
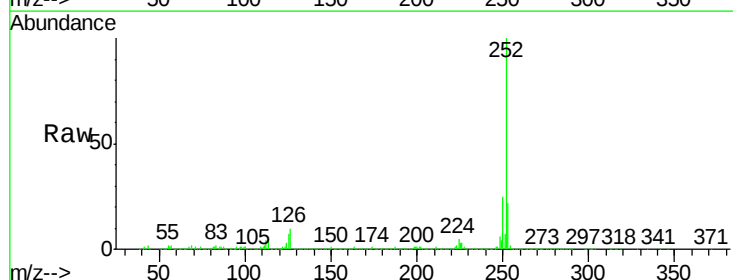
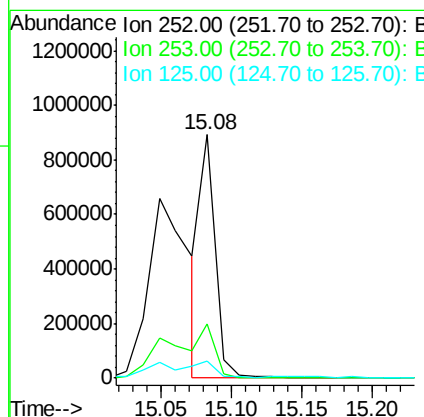
Manual Integrations
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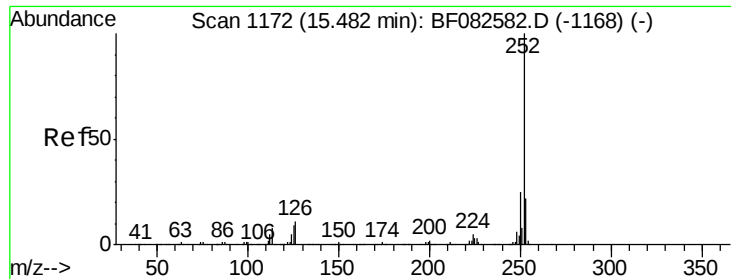
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#88
Benzo(k)fluoranthene
Concen: 36.84 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	6.8	3.5	5.3





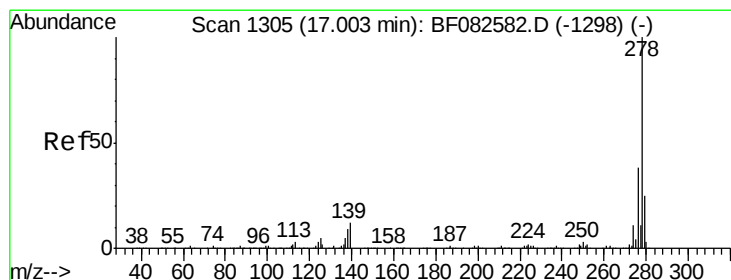
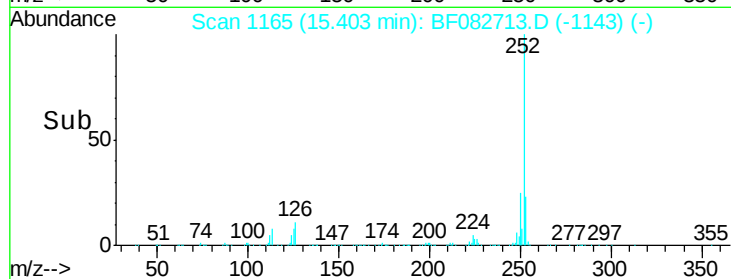
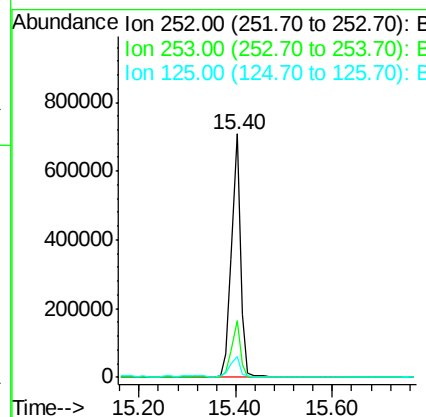
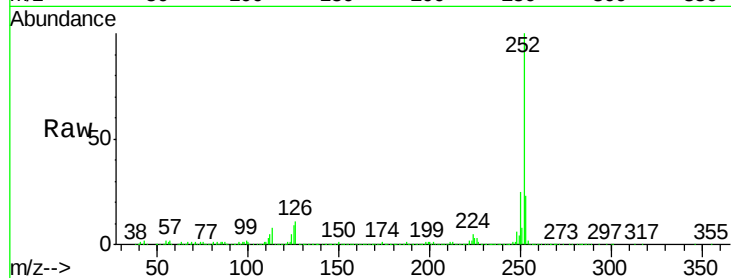
#89
Benzo(a)pyrene
Concen: 48.24 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Instrument :
BNA_F
ClientSampleId :
TP-15(3)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	8.8	7.1	10.7

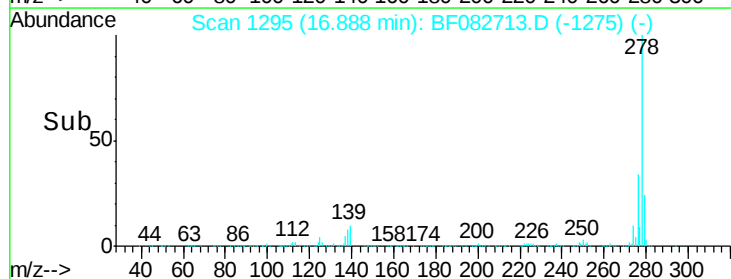
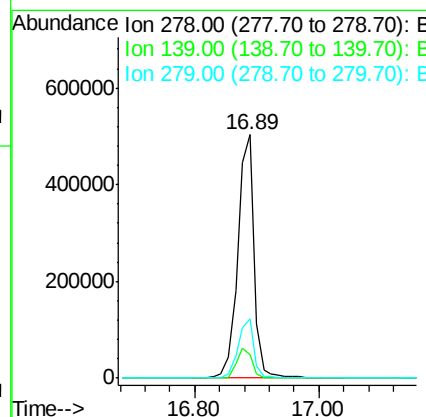
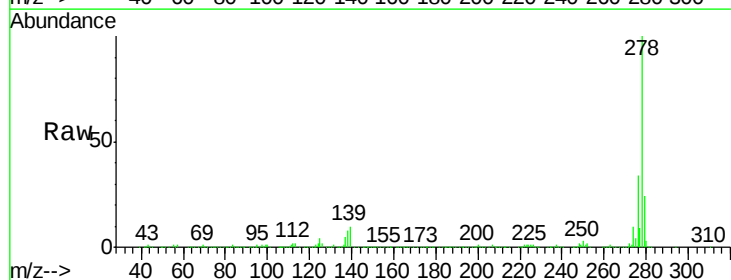
Manual Integrations
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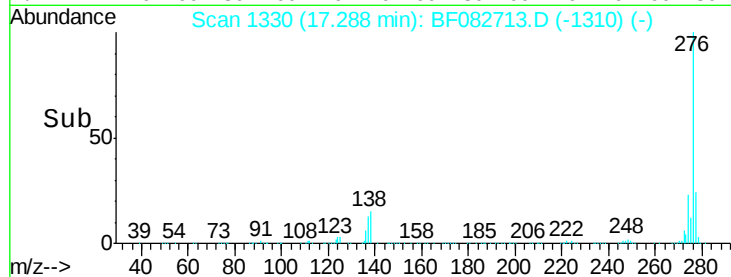
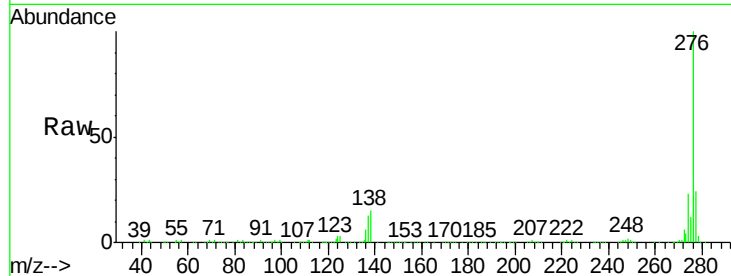
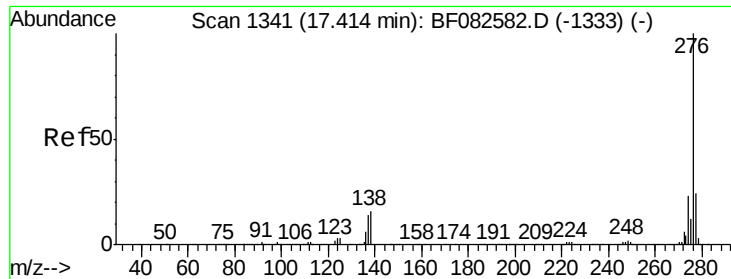
Mmdadoda
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#90
Dibenzo(a,h)anthracene
Concen: 52.12 ng
RT: 16.89 min Scan# 1295
Delta R.T. -0.07 min
Lab File: BF082713.D
Acq: 4 Nov 2015 21:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.9	9.9	14.9#
279	24.1	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 52.33 ng
 RT: 17.29 min Scan# 1330
 Delta R.T. -0.07 min
 Lab File: BF082713.D
 Acq: 4 Nov 2015 21:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(3)MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.6	19.2	28.8
138	15.5	13.1	19.7

Manual Integrations
 APPROVED

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