

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084846.D
 Acq On : 4 Feb 2016 23:28
 Operator : SJ/IZ
 Sample : H1320-19MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MSD

Manual Integrations
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Quant Time: Feb 05 03:14:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	151707	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	602382	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	248539	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	395697	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	258016	20.00	ng	0.00
86) Perylene-d12	15.22	264	323148	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1154113	118.49	ng	0.00
7) Phenol-d6	6.34	99	1496411	123.93	ng	0.00
23) Nitrobenzene-d5	7.25	82	961877	89.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	299847	115.66	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	1511580	117.27	ng	-0.01
78) Terphenyl-d14	12.78	244	969640	85.16	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.21	88	149838	35.12	ng	# 73
3) Pyridine	2.88	79	410055	36.89	ng	# 76
4) n-Nitrosodimethylamine	2.83	42	250699	43.61	ng	# 83
6) Aniline	6.35	93	228232	15.45	ng	# 1
8) 2-Chlorophenol	6.46	128	483199	43.83	ng	# 97
9) Benzaldehyde	6.21	77	170536	23.92	ng	# 95
10) Phenol	6.35	94	668547	49.42	ng	# 88
11) bis(2-Chloroethyl)ether	6.42	93	448544m	42.52	ng	# 94
12) 1,3-Dichlorobenzene	6.61	146	480893	41.29	ng	# 95
13) 1,4-Dichlorobenzene	6.69	146	496881	42.67	ng	# 95
14) 1,2-Dichlorobenzene	6.84	146	416461	38.40	ng	# 91
15) Benzyl Alcohol	6.83	79	350229	42.01	ng	# 96
16) 2,2'-oxybis(1-Chloropropan	6.97	45	697362	39.30	ng	# 92
17) 2-Methylphenol	6.96	107	382303	43.85	ng	# 95
18) Hexachloroethane	7.18	117	173342	38.66	ng	# 73
19) n-Nitroso-di-n-propylamine	7.10	70	309037	40.83	ng	# 91
20) 3+4-Methylphenols	7.12	107	504374	46.61	ng	# 99
22) Acetophenone	7.09	105	639680	40.29	ng	# 95
24) Nitrobenzene	7.26	77	431265	37.66	ng	# 94
25) Isophorone	7.52	82	843393	40.56	ng	# 87
26) 2-Nitrophenol	7.58	139	247970	43.91	ng	# 88
27) 2,4-Dimethylphenol	7.64	122	415071	42.25	ng	# 98
28) bis(2-Chloroethoxy)methane	7.72	93	513248	41.61	ng	# 95
29) 2,4-Dichlorophenol	7.84	162	369588	43.97	ng	# 97
30) 1,2,4-Trichlorobenzene	7.90	180	371438	39.13	ng	# 99
31) Naphthalene	7.98	128	1512469	50.06	ng	# 94
33) 4-Chloroaniline	8.05	127	121349	9.71	ng	# 97
34) Hexachlorobutadiene	8.11	225	224342	40.98	ng	# 64
35) Caprolactam	8.42	113	111400	43.00	ng	# 93
36) 4-Chloro-3-methylphenol	8.54	107	394259	41.12	ng	# 97
37) 2-Methylnaphthalene	8.68	142	920335	48.67	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	342966	43.45	ng	# 97
40) Hexachlorocyclopentadiene	8.83	237	67238	27.11	ng	# 91
42) 2,4,6-Trichlorophenol	8.97	196	227183	44.68	ng	# 91

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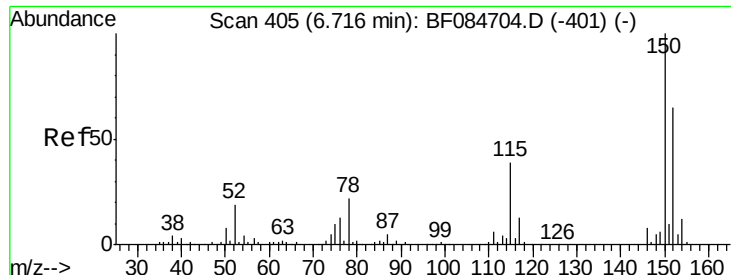
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.01	196	224872	43.52	nq	93
45) 1,1'-Biphenyl	9.14	154	907742	40.89	nq	98
46) 2-Chloronaphthalene	9.16	162	682148	41.73	nq	95
47) 2-Nitroaniline	9.26	65	216779	41.88	nq	97
48) Acenaphthylene	9.57	152	1223563	49.32	nq	98
49) Dimethylphthalate	9.45	163	1013154	53.52	nq	# 89
50) 2,6-Dinitrotoluene	9.52	165	190335	46.03	nq	96
51) Acenaphthene	9.74	154	820766	50.85	nq	97
52) 3-Nitroaniline	9.68	138	134964	29.04	nq	93
53) 2,4-Dinitrophenol	9.79	184	4850	8.16	nq	# 51
54) Dibenzofuran	9.92	168	1083511	54.93	nq	90
55) 4-Nitrophenol	9.86	139	218237	63.90	nq	# 84
56) 2,4-Dinitrotoluene	9.92	165	219950	41.70	nq	# 75
57) Fluorene	10.26	166	839816	50.98	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.04	232	169025	42.97	nq	91
59) Diethylphthalate	10.14	149	757357	40.97	nq	97
60) 4-Chlorophenyl-phenylether	10.26	204	340849	50.07	nq	97
61) 4-Nitroaniline	10.29	138	179058	39.54	nq	# 78
62) Azobenzene	10.42	77	826519	46.50	nq	88
64) 4,6-Dinitro-2-methylphenol	10.33	198	33609	13.76	nq	85
65) n-Nitrosodiphenylamine	10.37	169	642616	51.14	nq	100
66) 4-Bromophenyl-phenylether	10.75	248	199746	45.70	nq	94
67) Hexachlorobenzene	10.81	284	198407	41.66	nq	# 88
68) Atrazine	10.91	200	173664	43.77	nq	100
69) Pentachlorophenol	11.01	266	137767	61.56	nq	99
70) Phenanthrene	11.23	178	3566470	162.50	nq	93
71) Anthracene	11.28	178	1728842	78.18	nq	98
72) Carbazole	11.44	167	1066031	55.28	nq	97
73) Di-n-butylphthalate	11.77	149	992577	40.43	nq	# 95
74) Fluoranthene	12.42	202	3851408	173.39	nq	96
76) Benzidine	12.53	184	213483	24.23	nq	98
77) Pyrene	12.65	202	3918189	198.34	nq	94
79) Butylbenzylphthalate	13.27	149	408276	45.56	nq	98
80) Benzo(a)anthracene	13.83	228	2447638	152.84	nq	93
81) 3,3'-Dichlorobenzidine	13.79	252	120085	21.18	nq	# 93
82) Chrysene	13.87	228	1885109	121.39	nq	94
83) Bis(2-ethylhexyl)phthalate	13.83	149	460660	41.31	nq	99
84) Di-n-octyl phthalate	14.44	149	904327	49.15	nq	# 87
85) Indeno(1,2,3-cd)pyrene	16.53	276	1711013	139.98	nq	96
87) Benzo(b)fluoranthene	14.85	252	3292214m	151.63	nq	
88) Benzo(k)fluoranthene	14.87	252	778579m	43.37	nq	
89) Benzo(a)pyrene	15.17	252	2176737	117.66	nq	# 92
90) Dibenzo(a,h)anthracene	16.53	278	912914	58.62	nq	94
91) Benzo(g,h,i)perylene	16.92	276	1583686	100.95	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

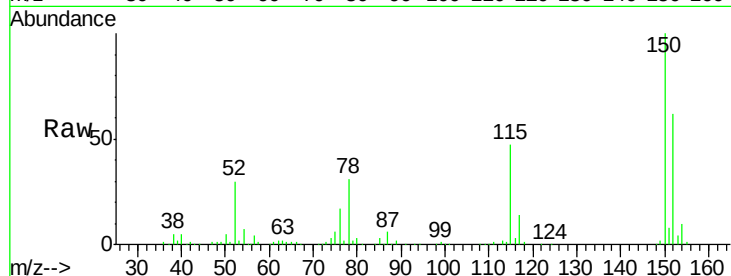
ClientSampleId :

S4-B019(11-13)MSD

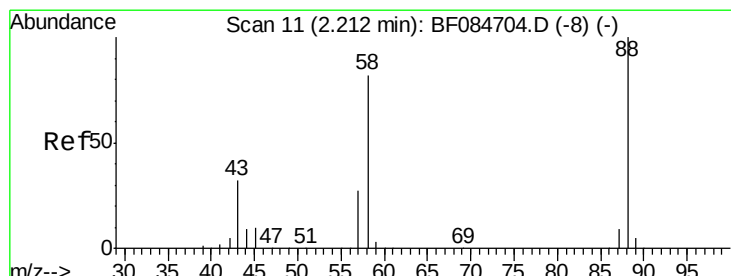
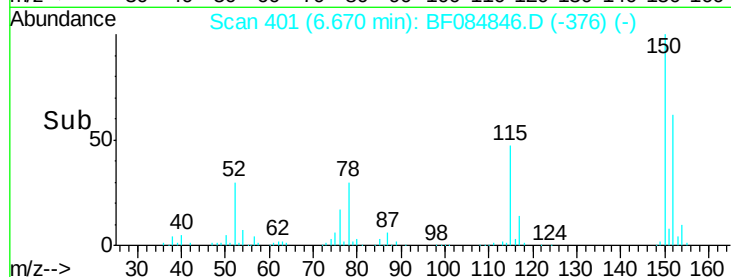
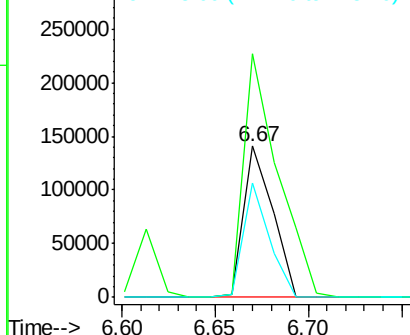
Tot Ion:	152	Resp:	151707
Ion Ratio	Lower	Upper	
152	100		
150	160.9	123.0	184.4
115	75.7	51.4	77.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 35.12 ng

RT: 2.21 min Scan# 11

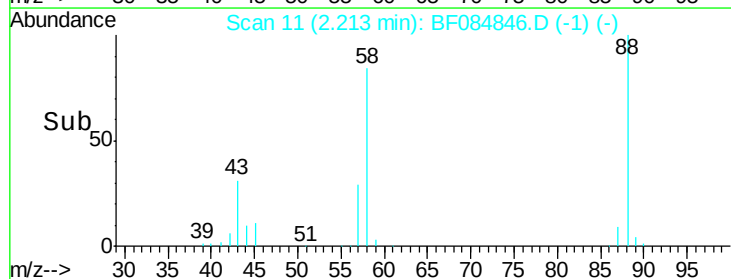
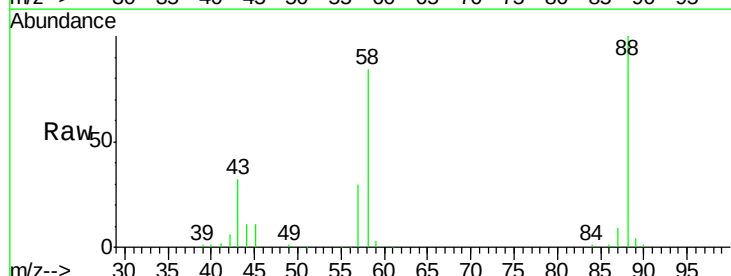
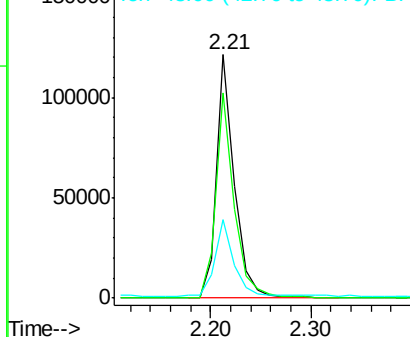
Delta R.T. 0.03 min

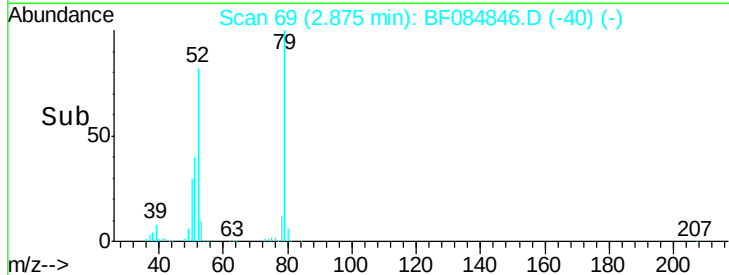
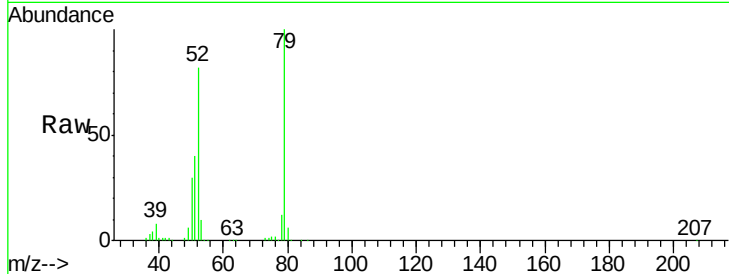
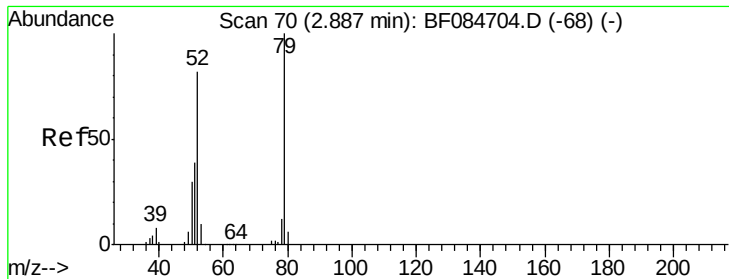
Lab File: BF084846.D

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Tgt Ion:	88	Resp:	149838
Ion Ratio	Lower	Upper	
88	100		
58	87.0	51.2	76.8#
43	34.2	19.5	29.3#

Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





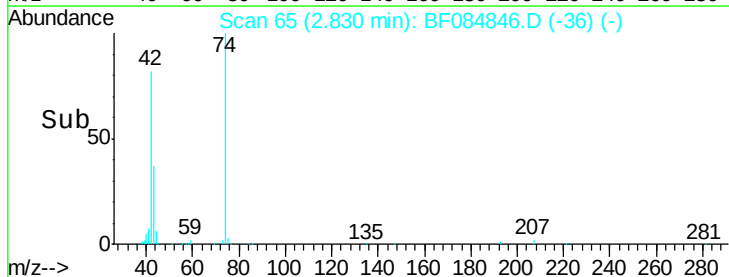
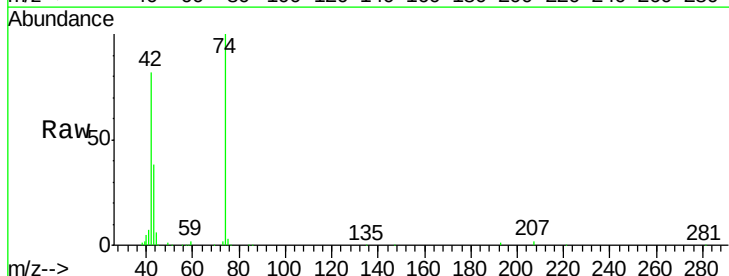
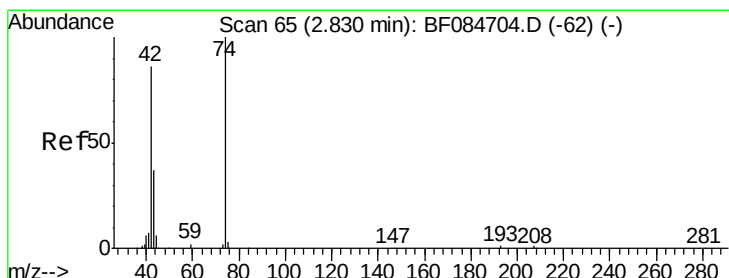
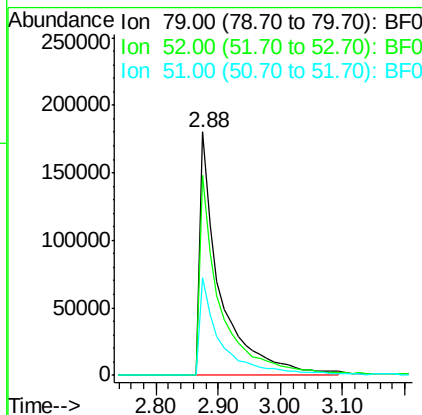
#3
 Pvridine
 Concen: 36.89 ng
 RT: 2.88 min Scan# 69
 Delta R.T. 0.03 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tot Ion	Ratio	Lower	Upper
79	100		
52	82.4	49.0	73.4#
51	40.0	25.2	37.8#

Instrument :
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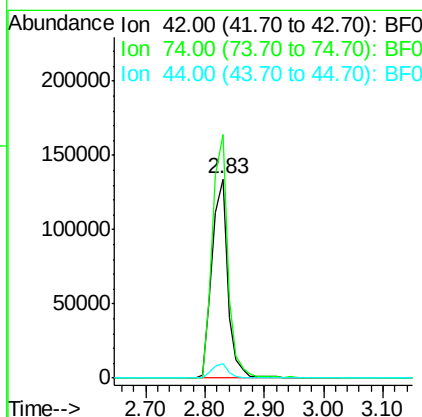
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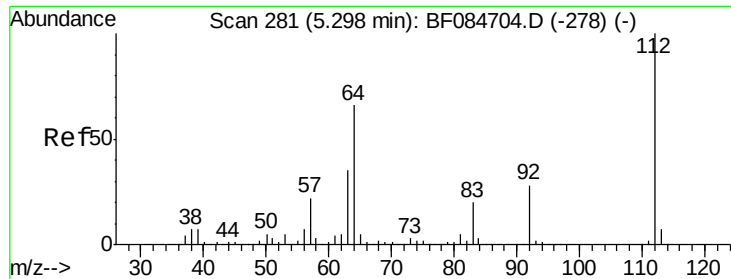
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#4
 n-Nitrosodimethylamine
 Concen: 43.61 ng
 RT: 2.83 min Scan# 65
 Delta R.T. 0.03 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
42	100		
74	122.2	115.7	173.5
44	7.5	5.1	7.7





#5

2-Fluorophenol

Concen: 118.49 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

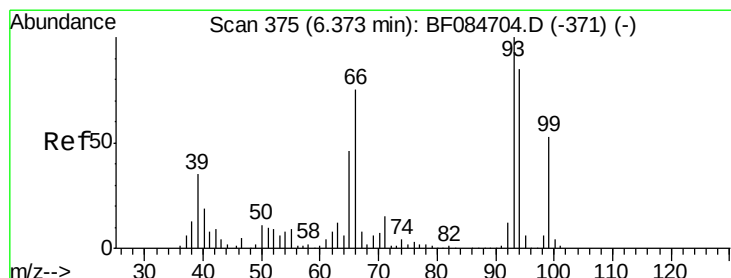
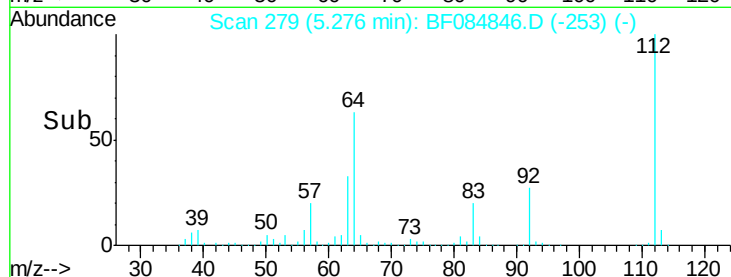
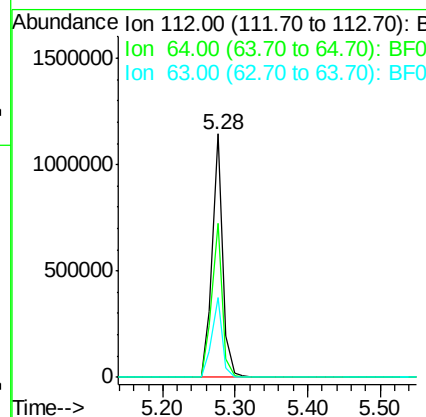
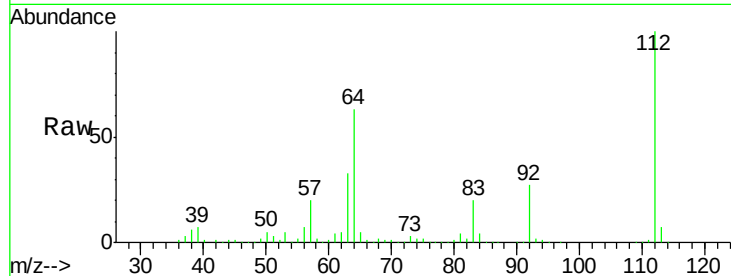
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	112	Resp:	1154113
Ion Ratio	Lower	Upper	
112	100		
64	63.2	36.6	55.0#
63	33.0	19.4	29.0#

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#6

Aniline

Concen: 15.45 ng

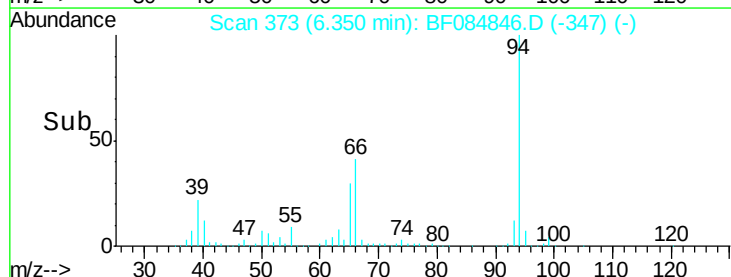
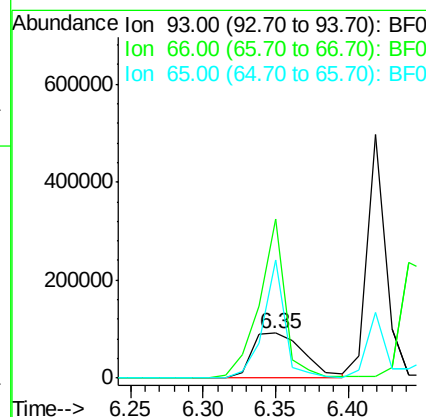
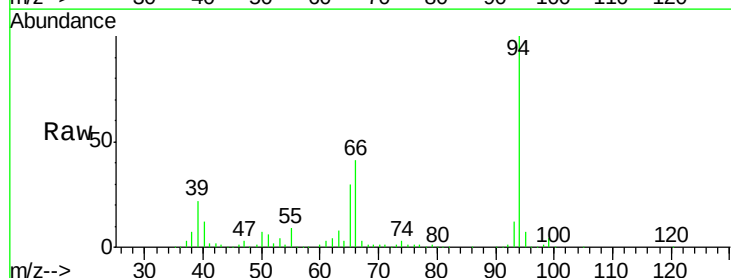
RT: 6.35 min Scan# 373

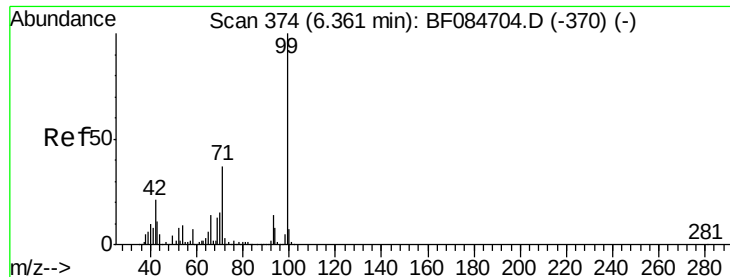
Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	93	Resp:	228232
Ion Ratio	Lower	Upper	
93	100		
66	356.1	44.9	67.3#
65	263.6	23.7	35.5#





#7

Phenol-d6

Concen: 123.93 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MSD

Tot Ion: 99 Resp: 1496411

Ion Ratio Lower Upper

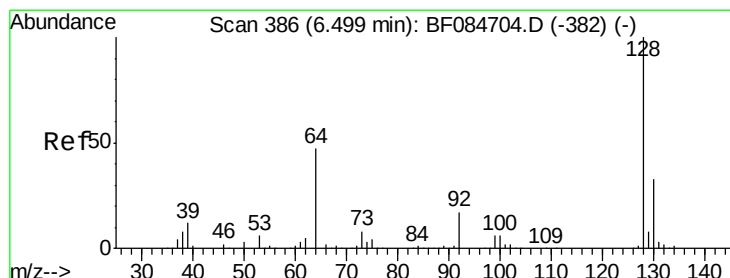
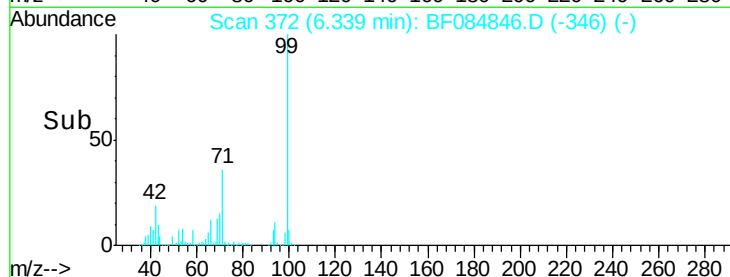
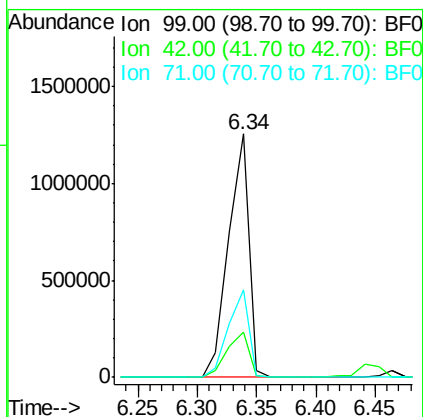
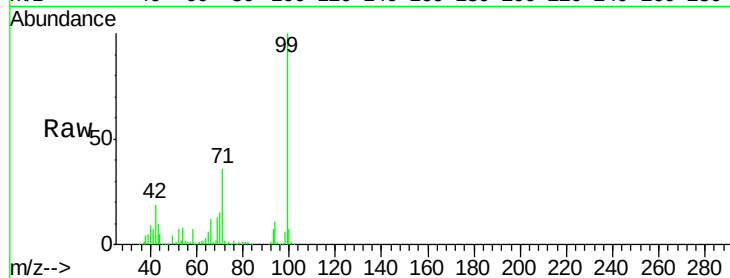
99 100

42 18.5 12.8 19.2

71 35.8 30.9 46.3

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#8

2-Chlorophenol

Concen: 43.83 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

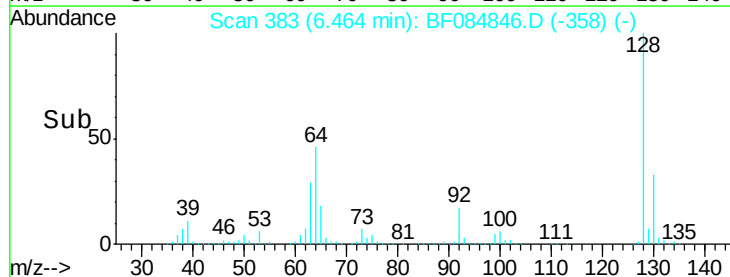
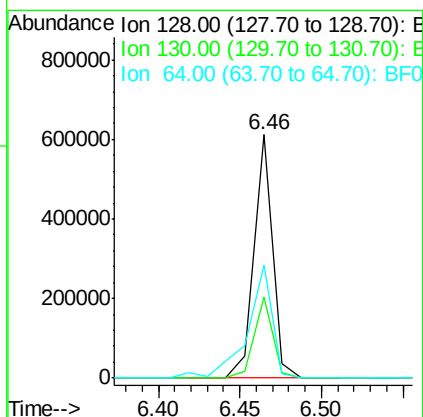
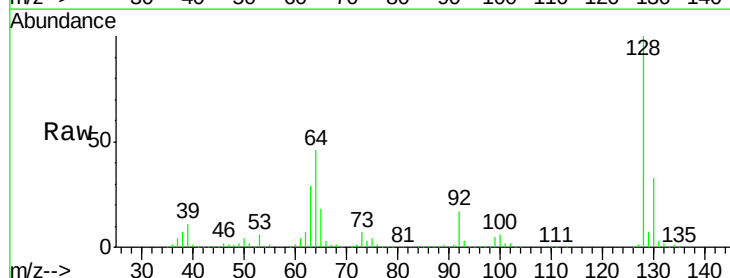
Tgt Ion: 128 Resp: 483199

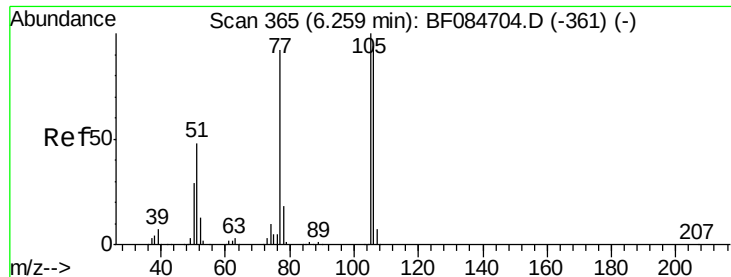
Ion Ratio Lower Upper

128 100

130 33.1 11.6 51.6

64 46.3 23.8 63.8





#9

Benzaldehyde

Concen: 23.92 ng

RT: 6.21 min Scan# 361

Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

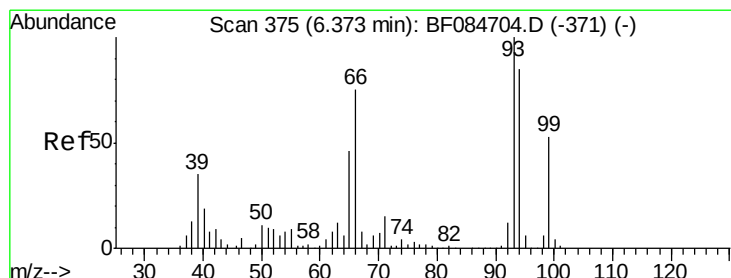
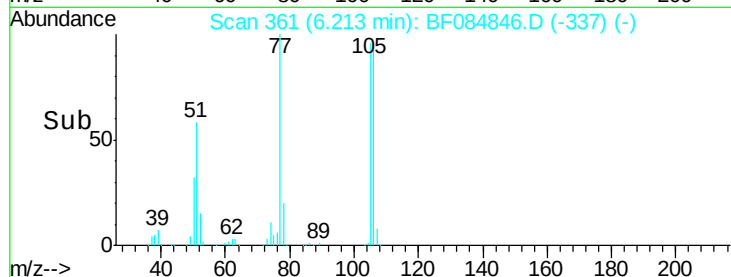
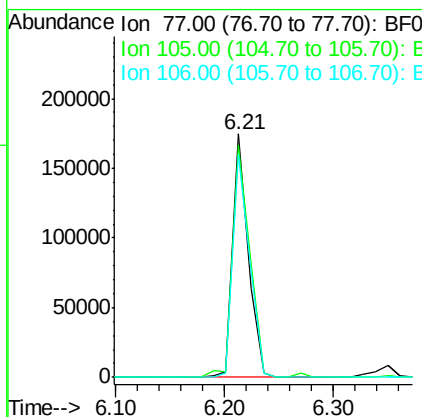
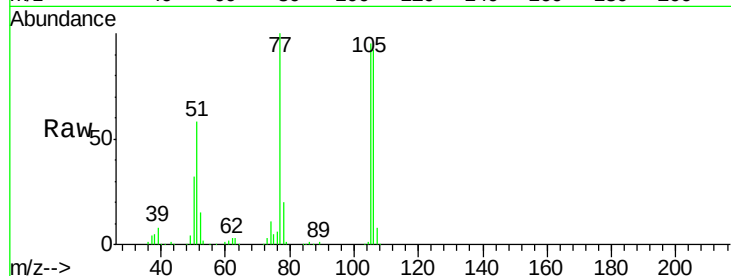
ClientSampleId :

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Tot Ion:	77	Resp:	170536
Ion Ratio	Lower	Upper	
77	100		
105	95.1	83.0	123.0
106	91.8	74.6	114.6

Manual Integrations
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#10

Phenol

Concen: 49.42 ng

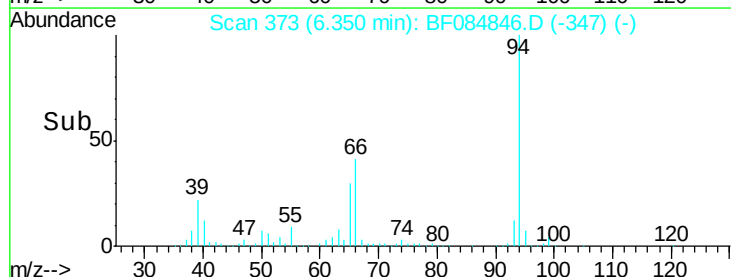
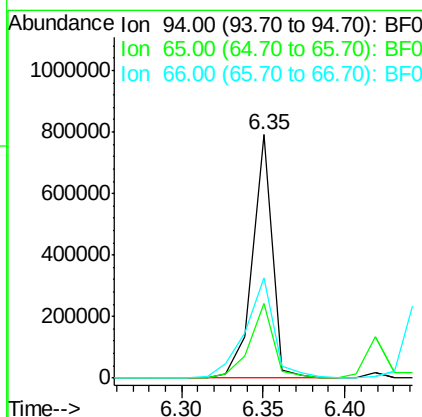
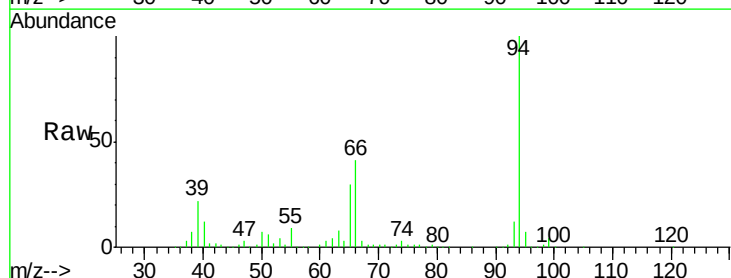
RT: 6.35 min Scan# 373

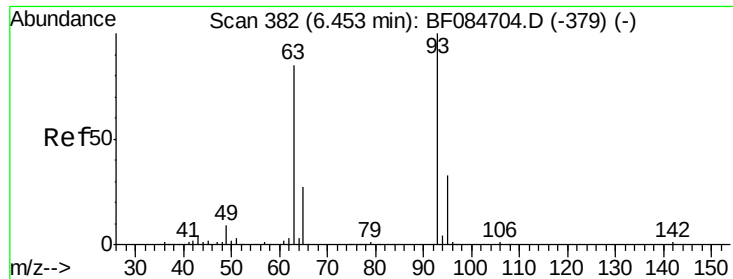
Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	94	Resp:	668547
Ion Ratio	Lower	Upper	
94	100		
65	30.5	12.9	52.9
66	41.1	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 42.52 ng/mL

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

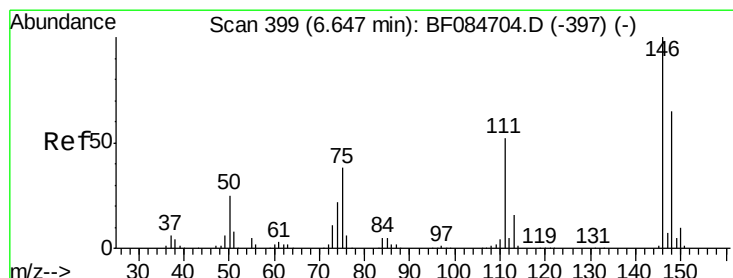
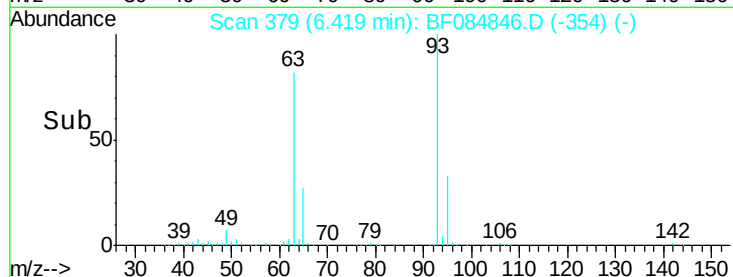
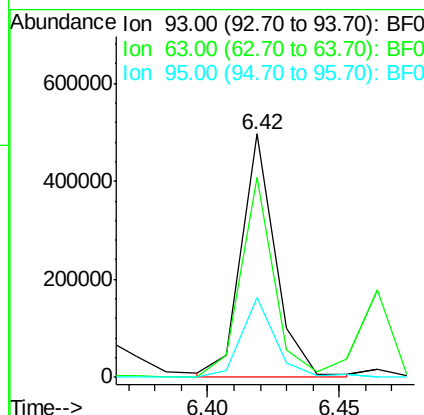
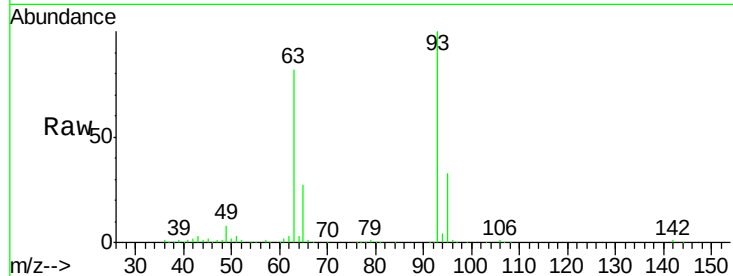
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	93	Resp:	448544
Ion Ratio	Lower	Upper	
93	100		
63	82.3	45.9	85.9
95	32.9	12.3	52.3

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 41.29 ng/mL

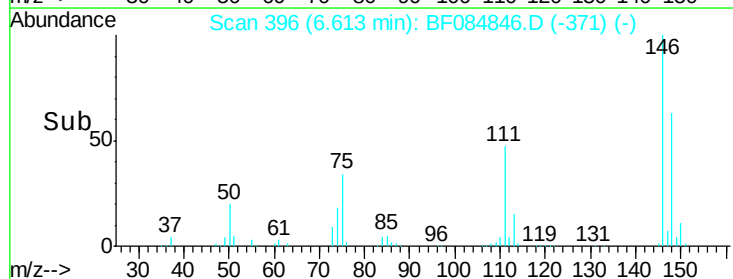
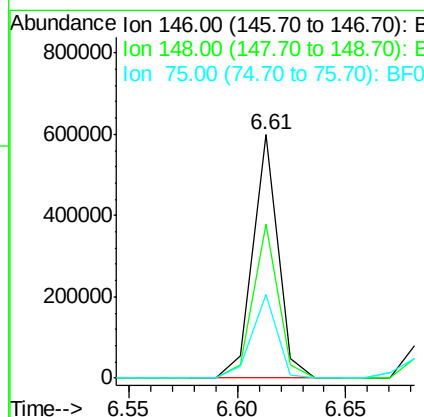
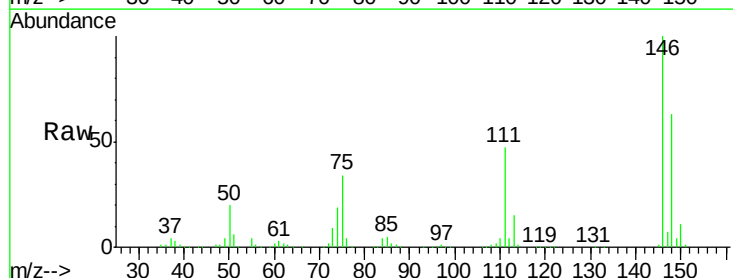
RT: 6.61 min Scan# 396

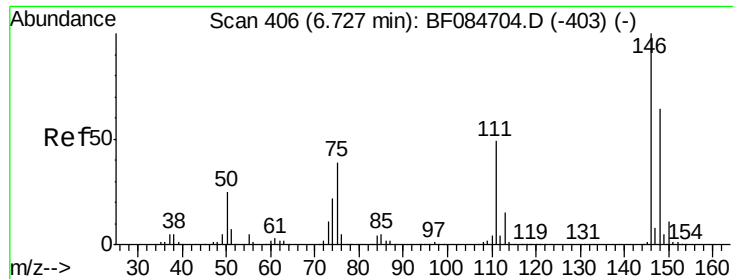
Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	146	Resp:	480893
Ion Ratio	Lower	Upper	
146	100		
148	63.2	51.9	77.9
75	34.4	20.5	30.7#





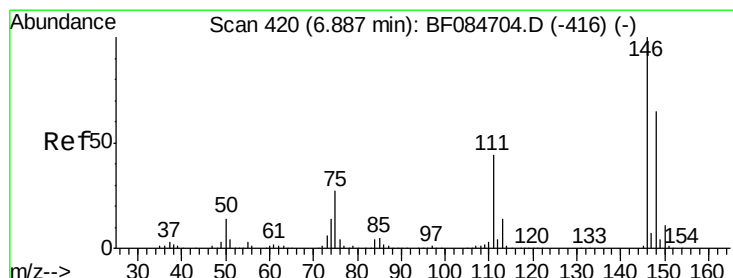
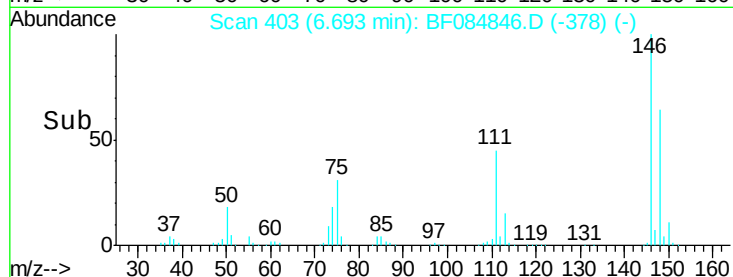
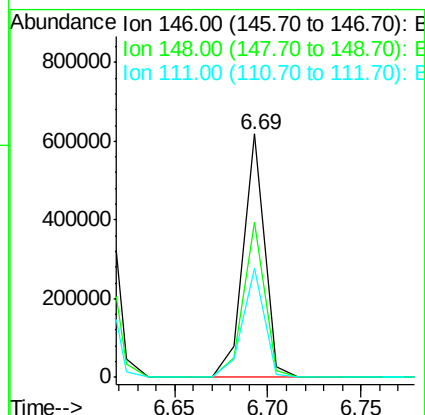
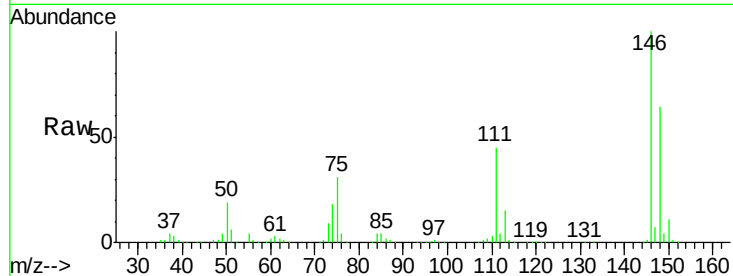
#13
 1,4-Dichlorobenzene
 Concen: 42.67 ng
 RT: 6.69 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
111	44.9	41.6	62.4

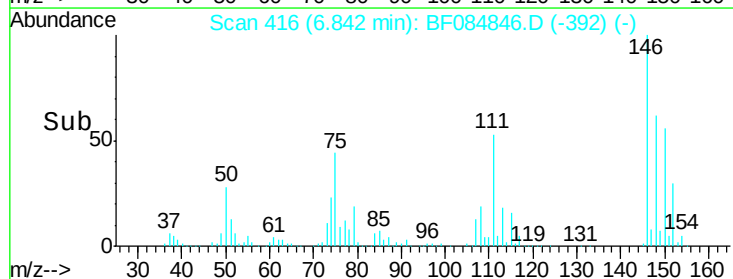
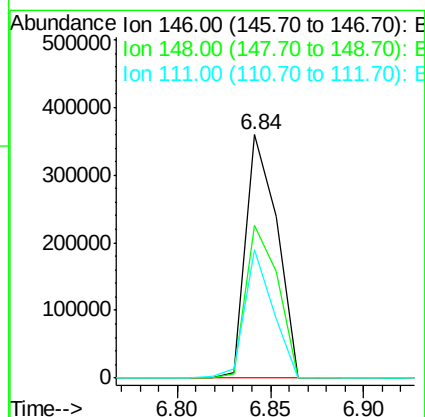
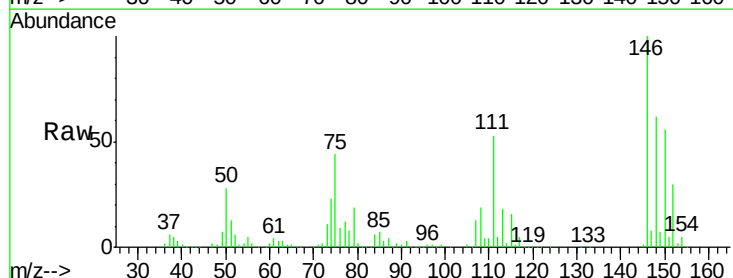
Manual Integrations
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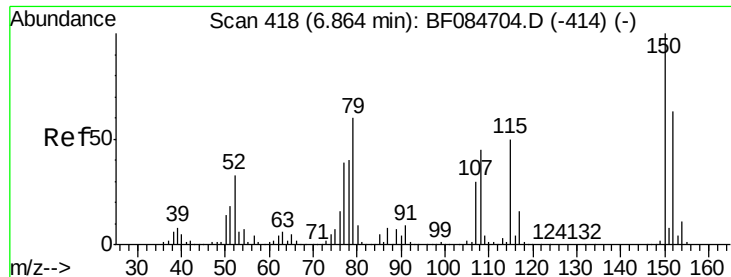
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#14
 1,2-Dichlorobenzene
 Concen: 38.40 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.02 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	51.6	77.4
111	52.6	38.0	57.0





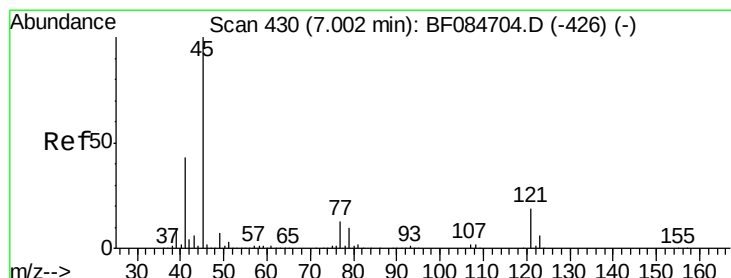
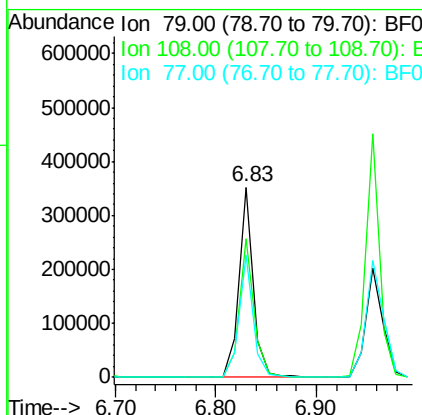
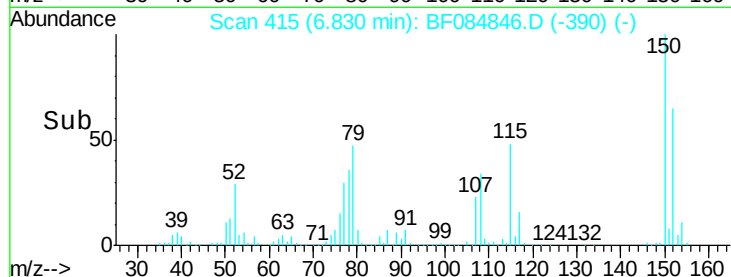
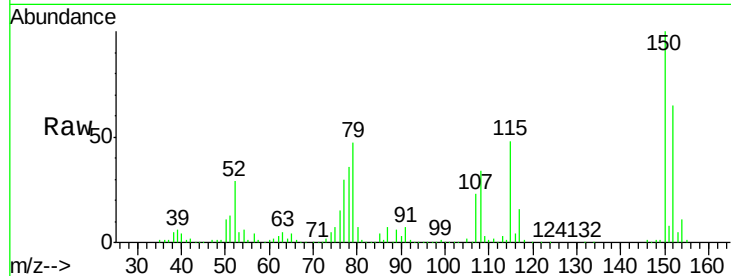
#15
Benzyl Alcohol
Concen: 42.01 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.2	69.0	103.4
77	64.1	50.0	75.0

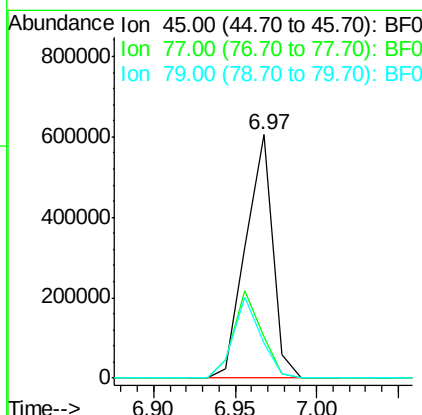
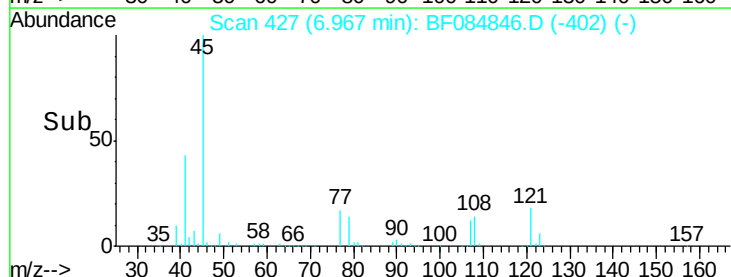
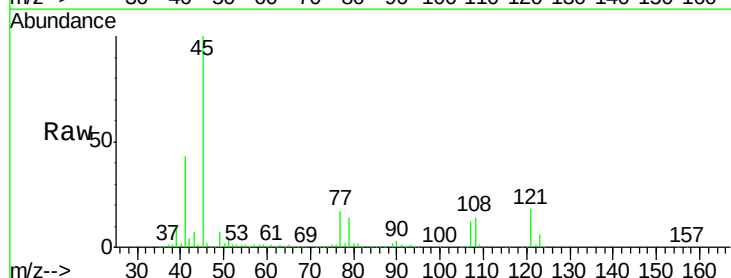
Manual Integrations
APPROVED

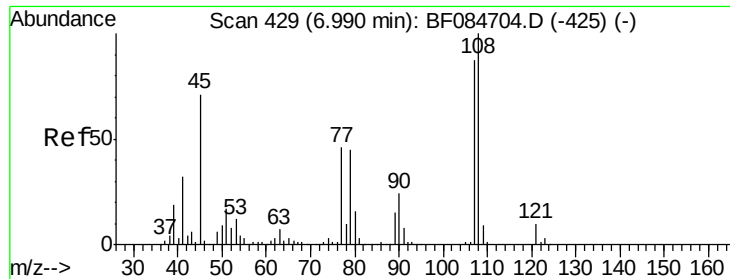
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#16
2,2'-oxybis(1-chloropropane)
Concen: 39.30 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	39.6
79	14.4	0.0	35.0





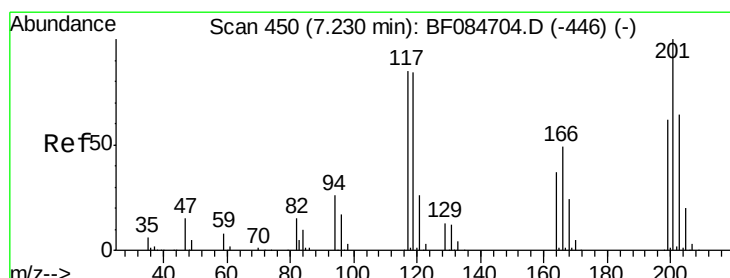
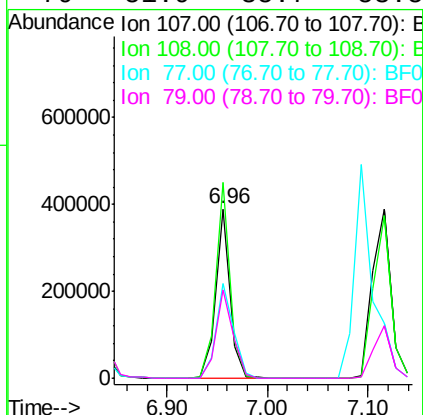
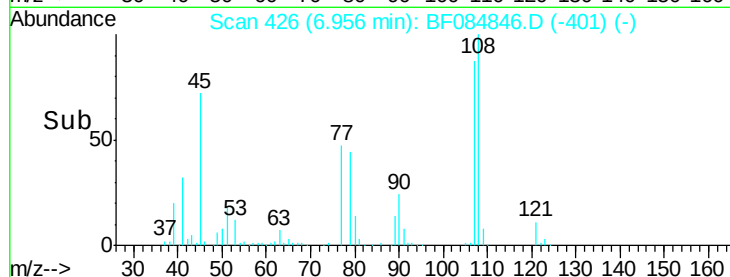
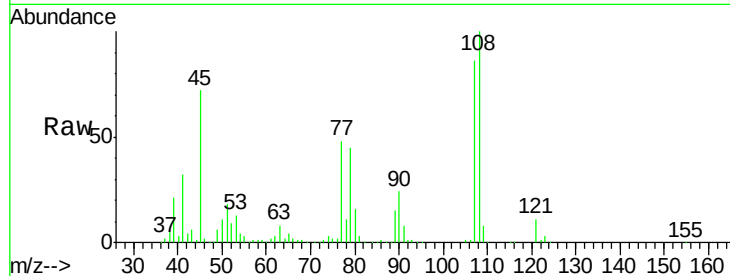
#17
2-Methylphenol
Concen: 43.85 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.7	89.8	134.6	
77	55.7	35.7	53.5	
79	51.9	35.7	53.5	

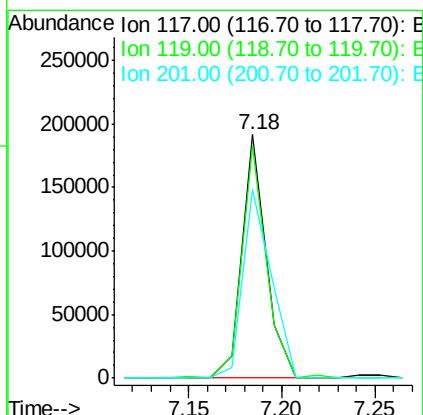
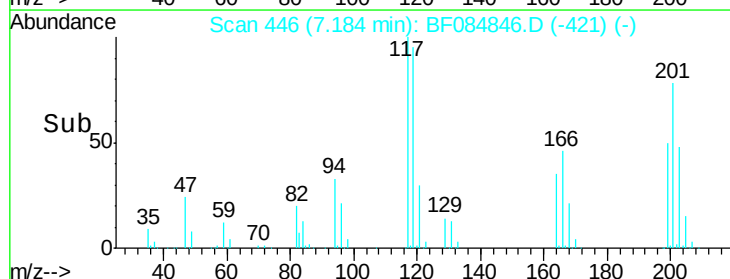
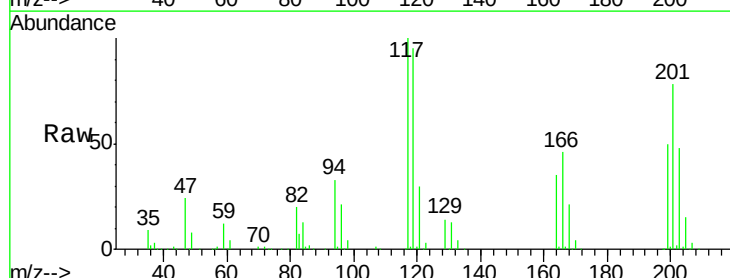
Manual Integrations
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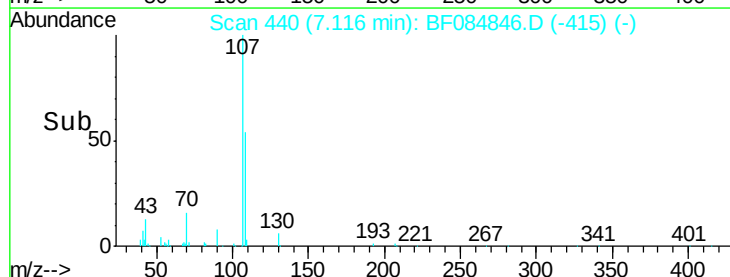
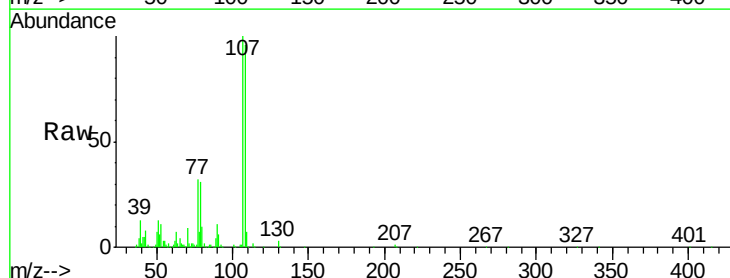
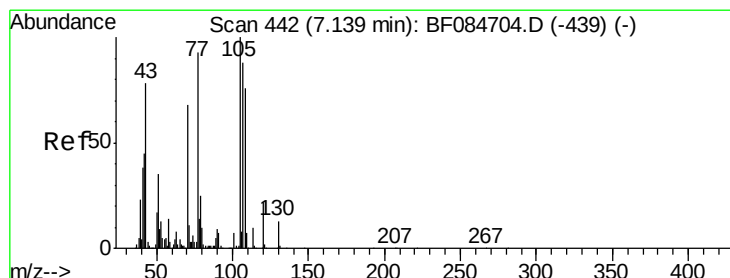
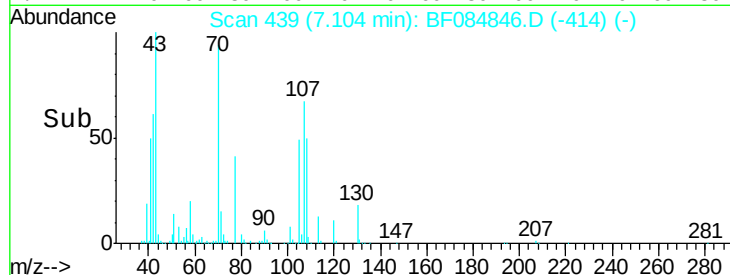
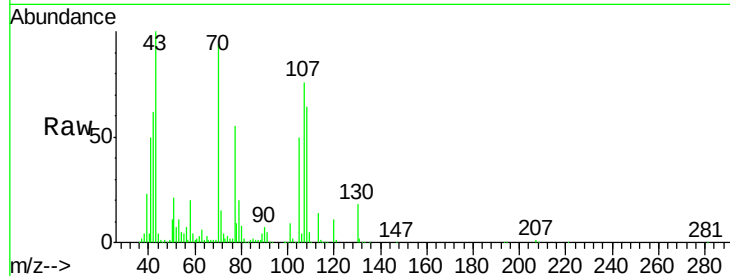
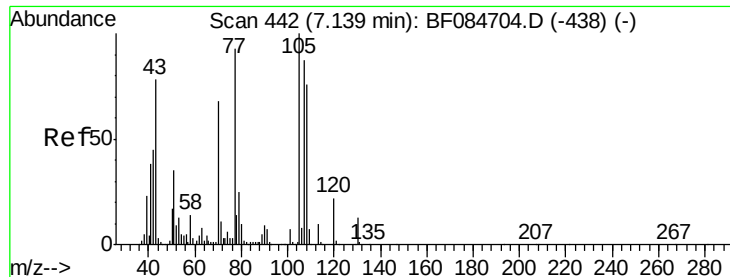
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#18
Hexachloroethane
Concen: 38.66 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.5	77.4	116.0	
201	77.5	68.6	103.0	





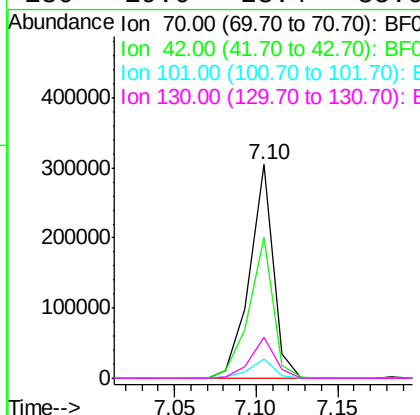
#19
n-Nitroso-di-n-propylamine
Concen: 40.83 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	66.0	33.3	49.9#
101	9.1	9.3	13.9#
130	19.0	23.4	35.0#

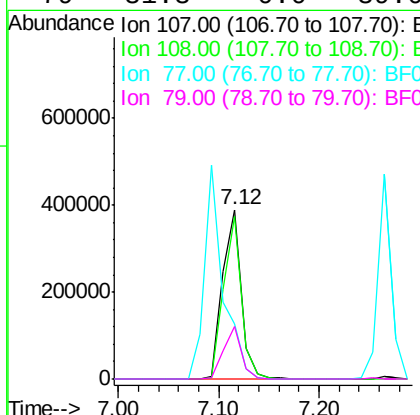
Manual Integrations
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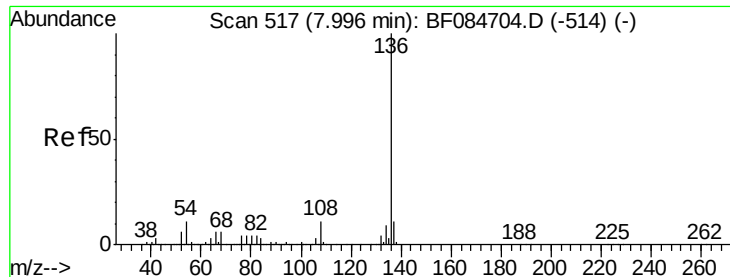
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#20
3+4-Methylphenols
Concen: 46.61 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.2	74.6	114.6
77	32.5	0.7	40.7
79	31.3	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF084846.D

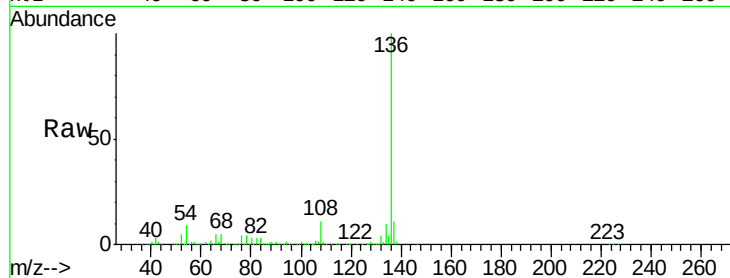
Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

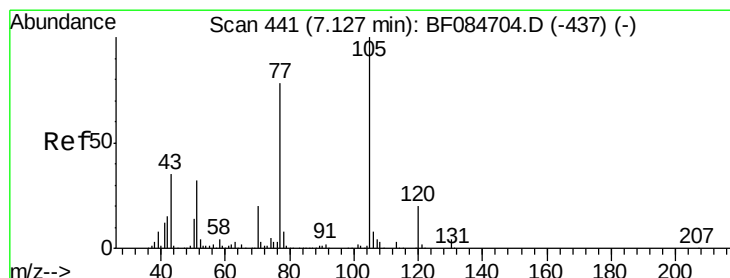
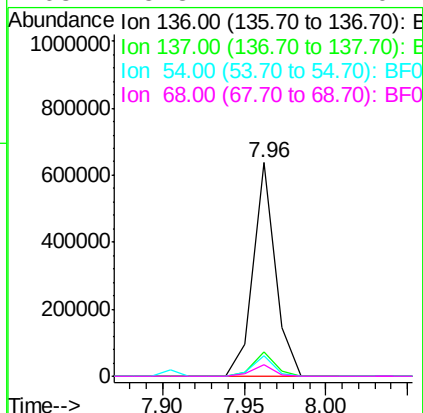
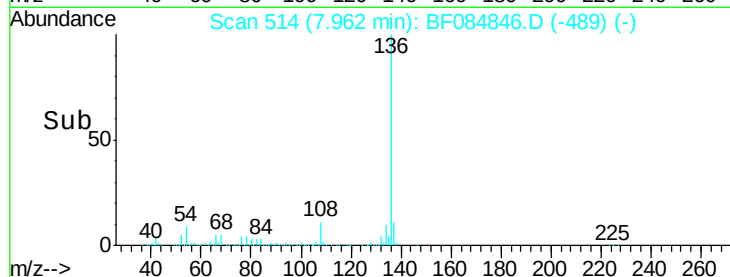
S4-B019(11-13)MSD



Tot Ion	Ratio	Resp	Lower	Upper
136	100	602382		
137	11.2	8.7	13.1	
54	9.4	5.8	8.8	
68	5.3	4.2	6.2	

Manual Integrations
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#22

Acetophenone

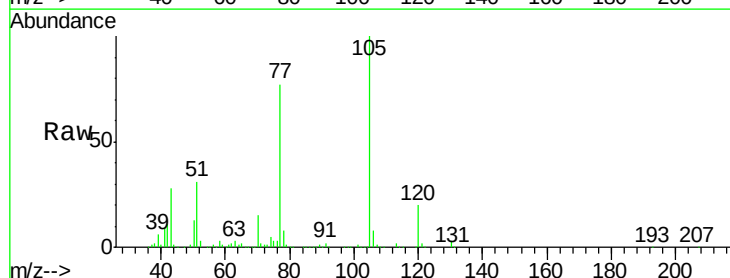
Concen: 40.29 ng

RT: 7.09 min Scan# 438

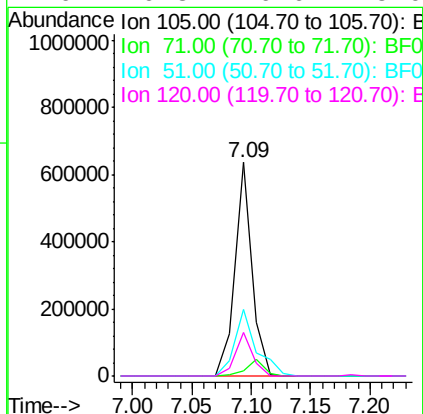
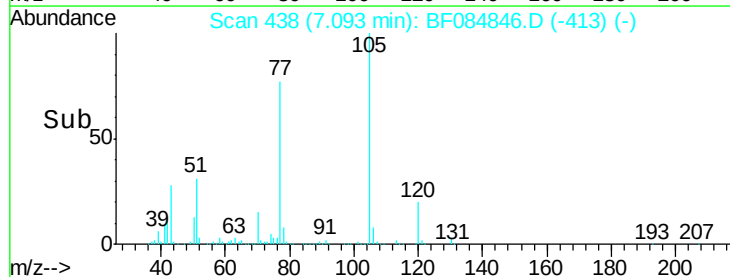
Delta R.T. -0.01 min

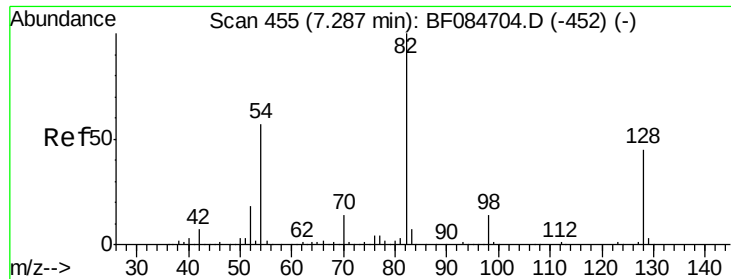
Lab File: BF084846.D

Acq: 4 Feb 2016 23:28



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	639680		
71	2.5	3.7	5.5	
51	31.2	25.1	37.7	
120	20.3	16.6	25.0	





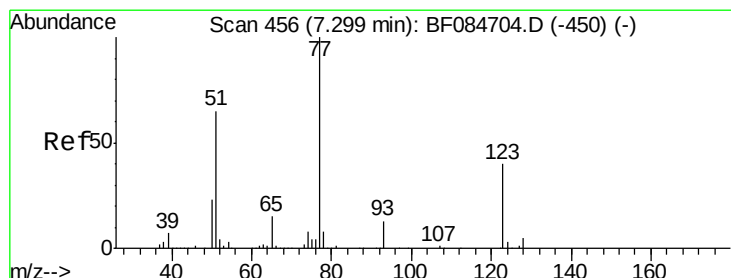
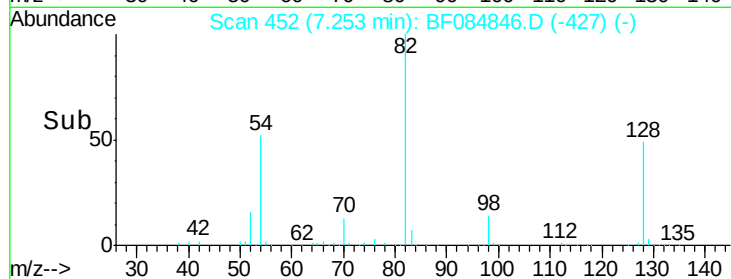
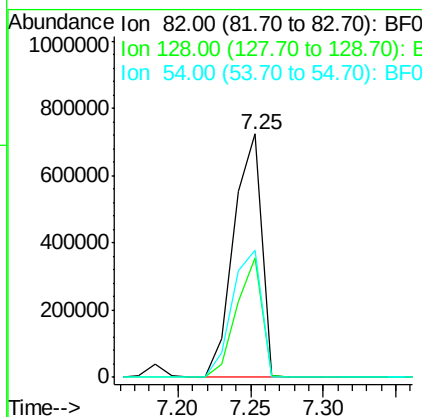
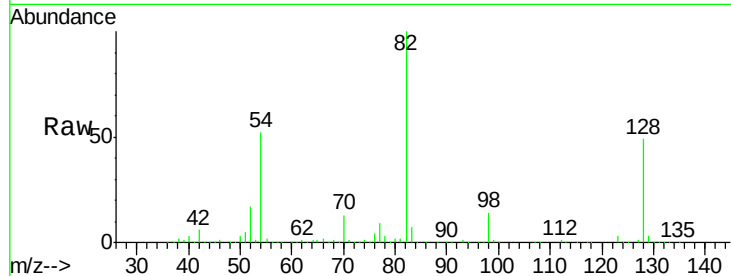
#23
Nitrobenzene-d5
Concen: 89.95 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.6	51.8
54	52.1	38.4	57.6

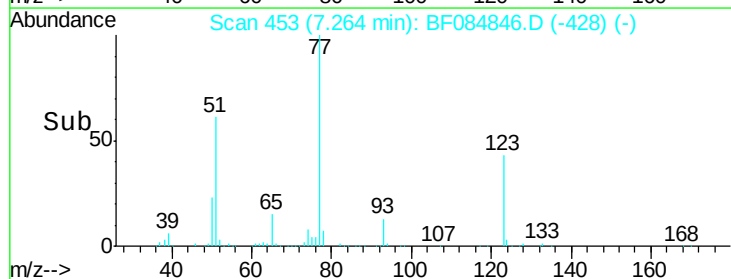
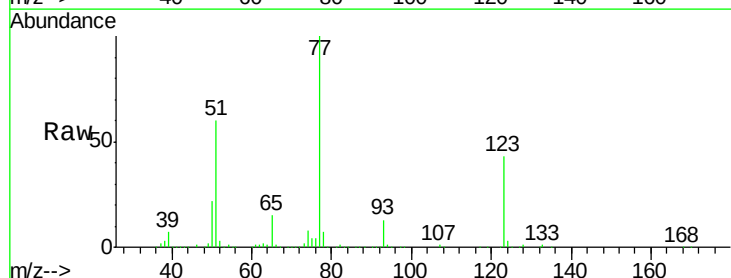
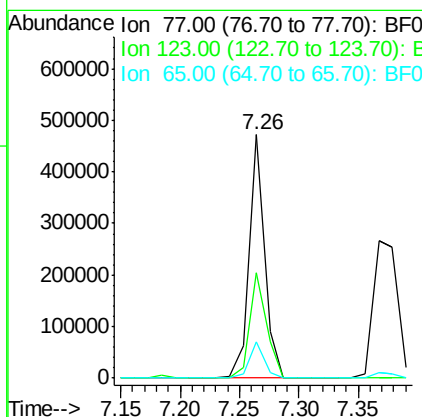
Manual Integrations
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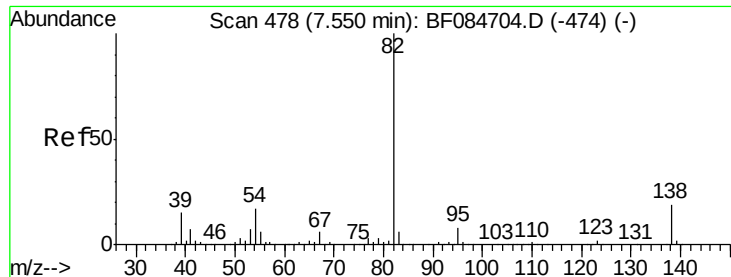
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#24
Nitrobenzene
Concen: 37.66 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.3	37.4	56.2
65	14.7	10.9	16.3





#25

Isophorone

Concen: 40.56 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

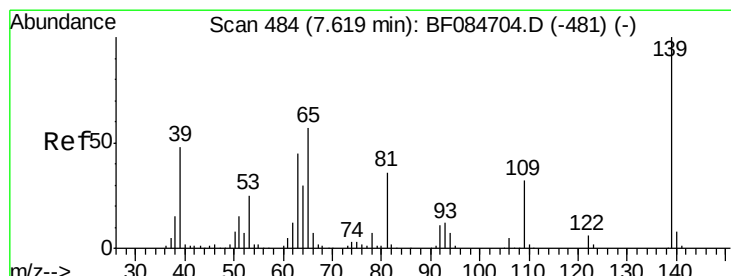
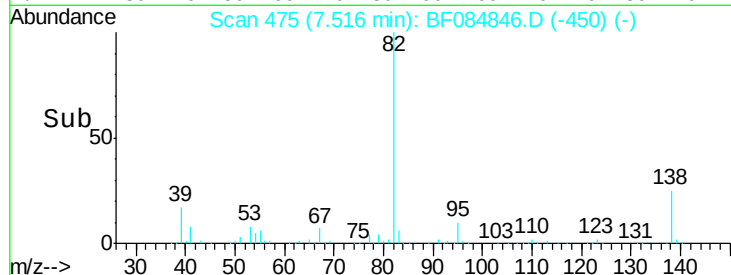
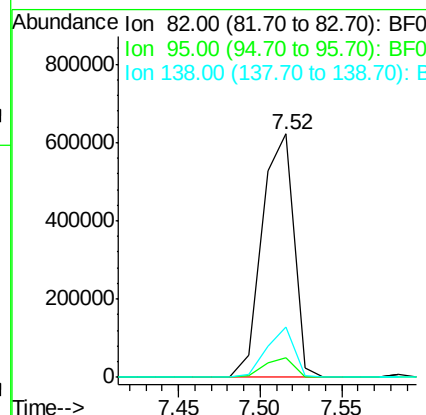
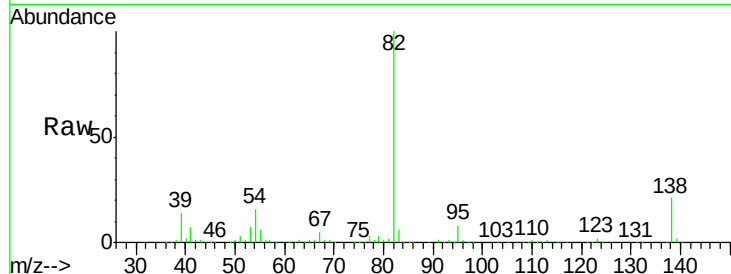
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	82	Resp:	843393
Ion Ratio		Lower	Upper
82	100		
95	8.1	6.6	10.0
138	20.5	13.6	20.4#

Manual Integrations
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#26

2-Nitrophenol

Concen: 43.91 ng

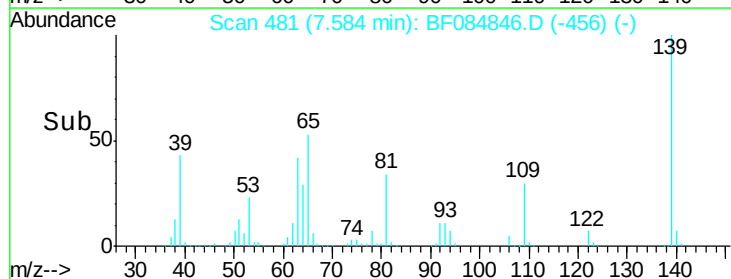
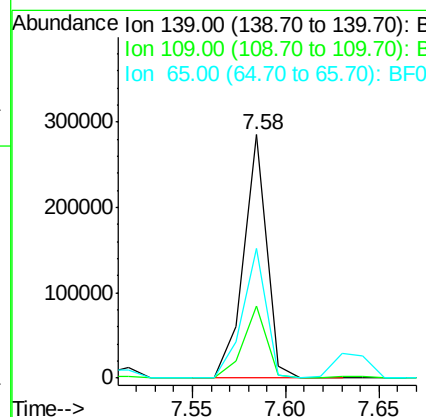
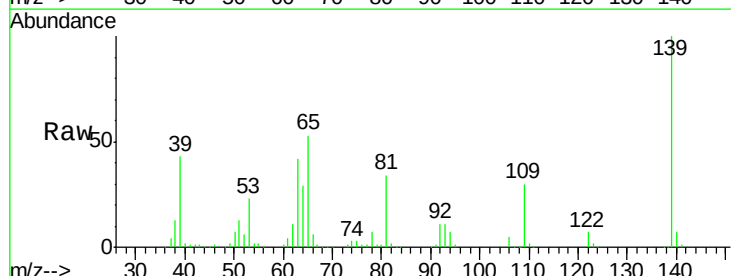
RT: 7.58 min Scan# 481

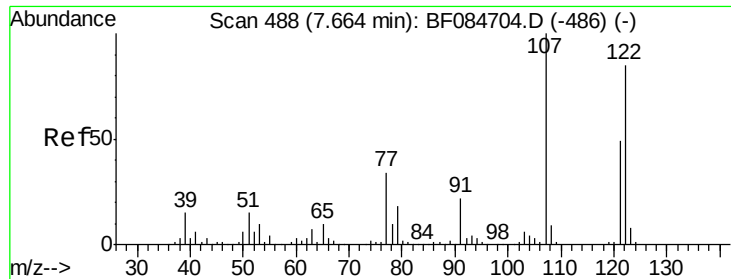
Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	139	Resp:	247970
Ion Ratio		Lower	Upper
139	100		
109	29.6	25.4	38.2
65	53.1	32.3	48.5#





#27

2,4-Dimethylphenol

Concen: 42.25 ng

RT: 7.64 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

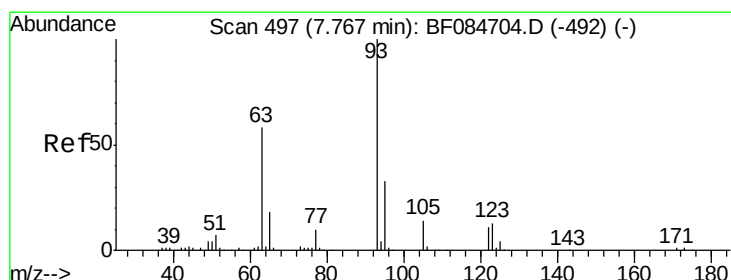
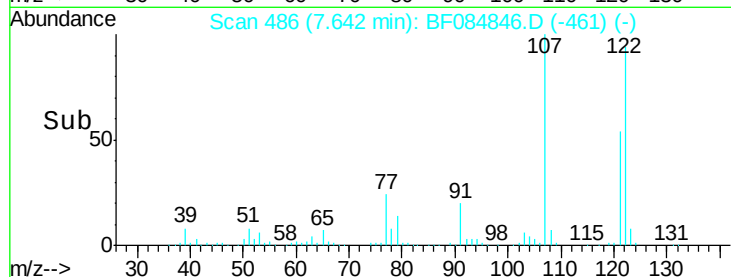
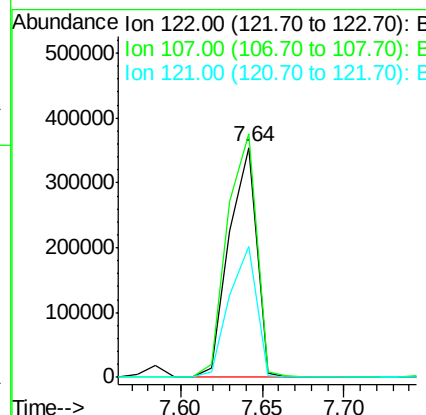
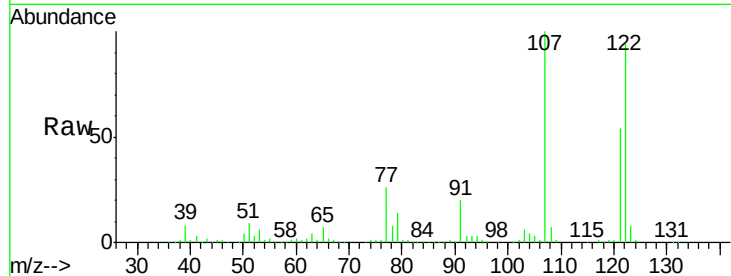
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	122	Resp:	415071
Ion Ratio	Lower	Upper	
122	100		
107	106.0	99.1	148.7
121	56.8	47.9	71.9

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#28

bis(2-Chloroethoxy)methane

Concen: 41.61 ng

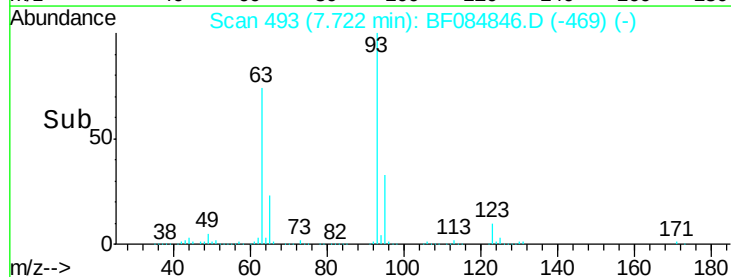
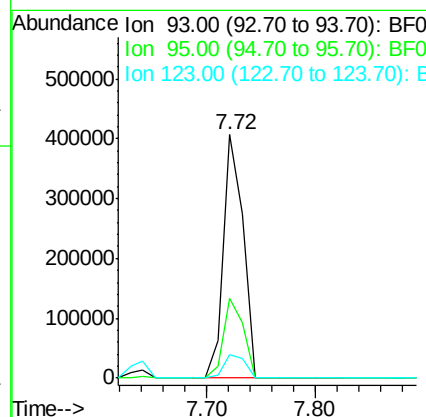
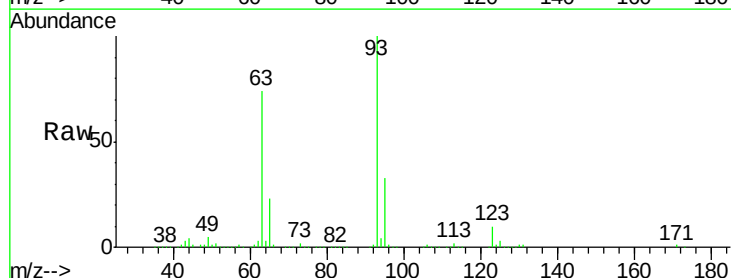
RT: 7.72 min Scan# 493

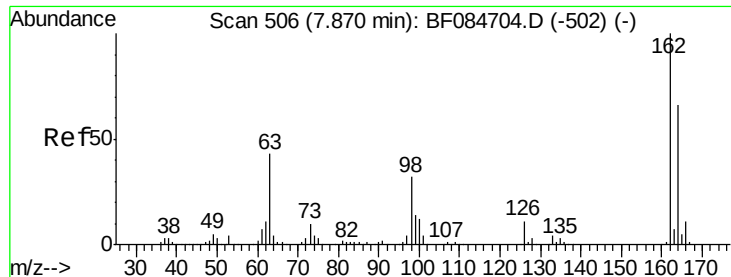
Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	93	Resp:	513248
Ion Ratio	Lower	Upper	
93	100		
95	32.9	25.8	38.6
123	9.5	8.6	12.8





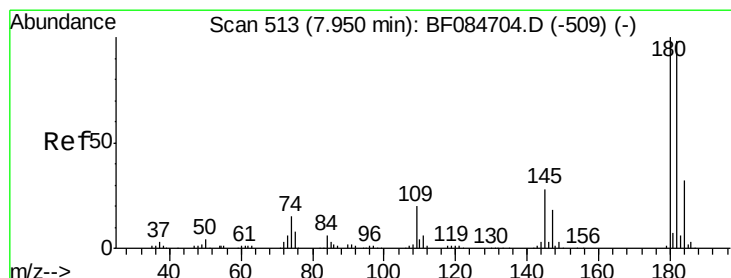
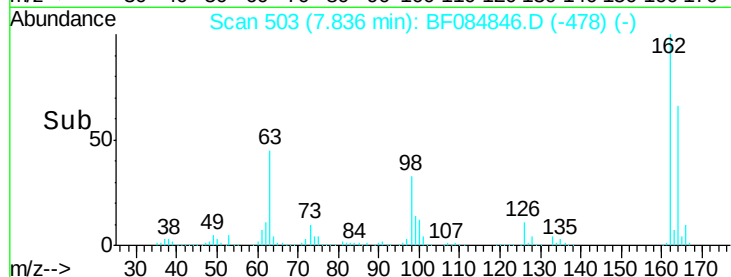
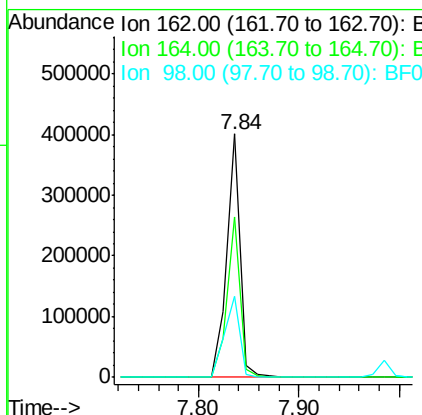
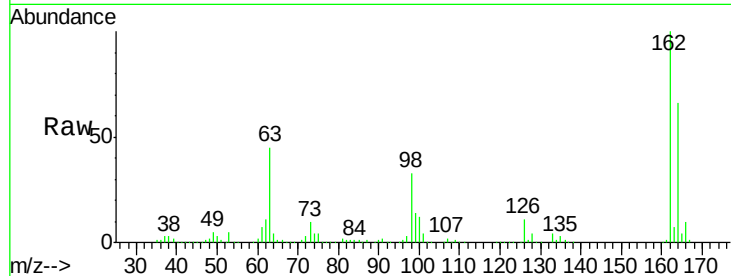
#29
 2,4-Dichlorophenol
 Concen: 43.97 ng
 RT: 7.84 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	369588		
164	65.7	44.1	84.1	
98	33.4	20.2	60.2	

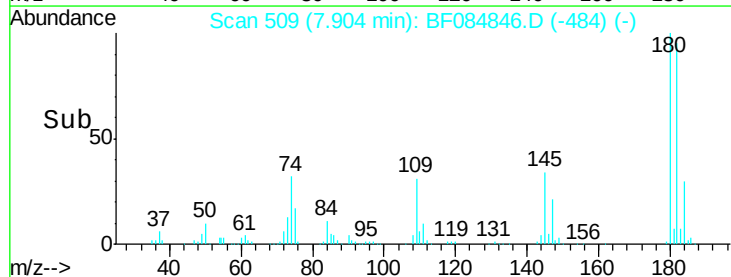
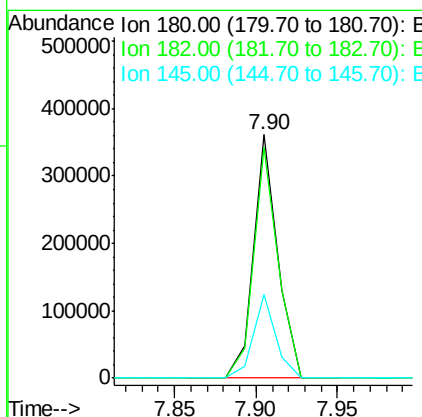
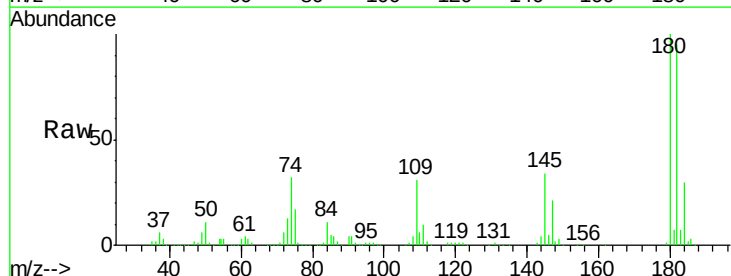
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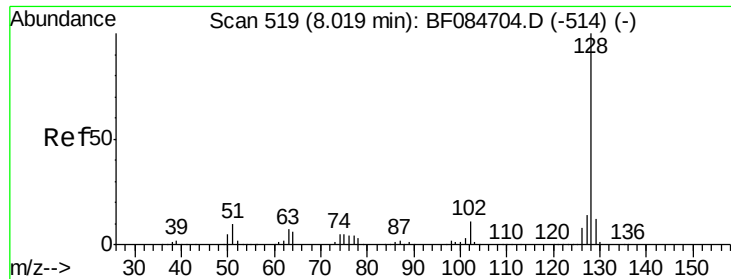
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.13 ng
 RT: 7.90 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	371438		
182	94.7	76.4	114.6	
145	34.1	31.6	47.4	





#31

Naphthalene

Concen: 50.06 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:128 Resp: 1512469

Ion Ratio Lower Upper

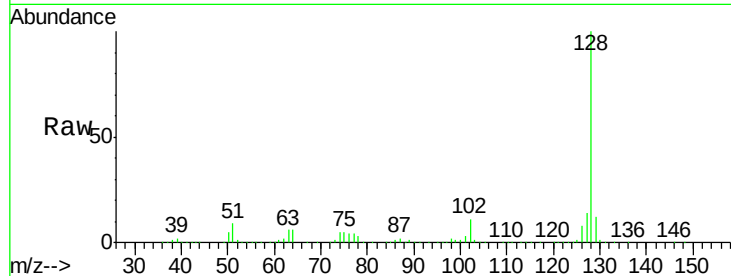
128 100

129 12.0 9.1 13.7

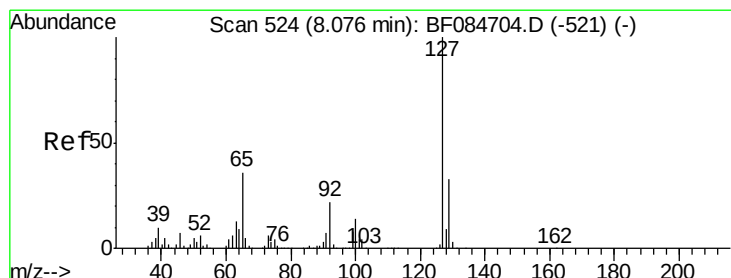
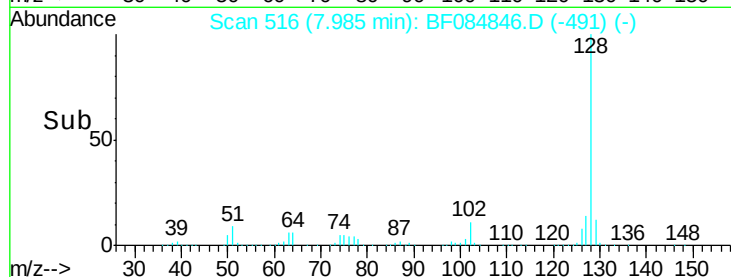
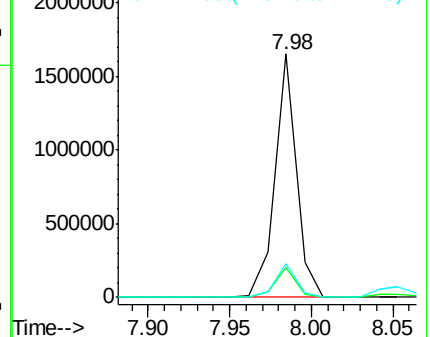
127 13.9 11.1 16.7

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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



#33

4-Chloroaniline

Concen: 9.71 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:127 Resp: 121349

Ion Ratio Lower Upper

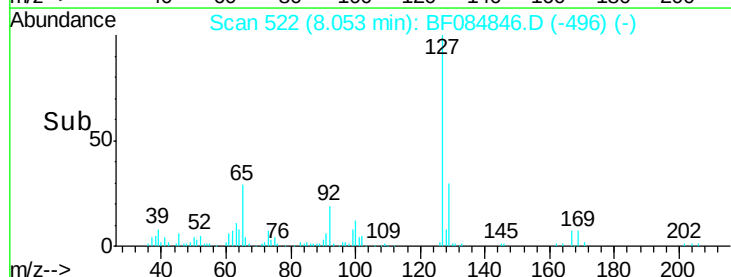
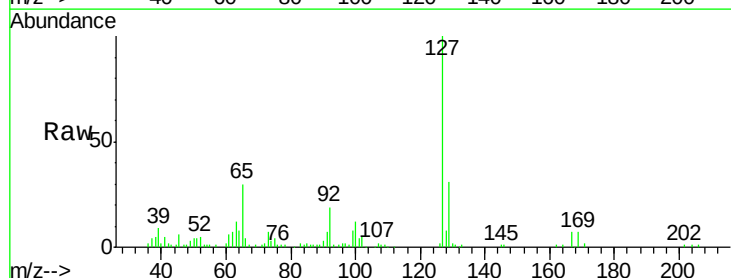
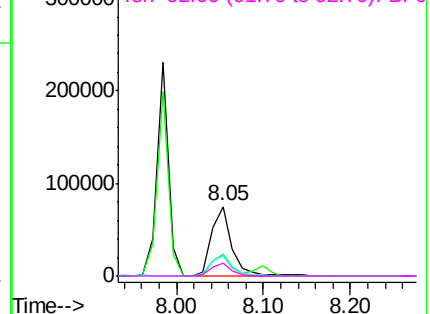
127 100

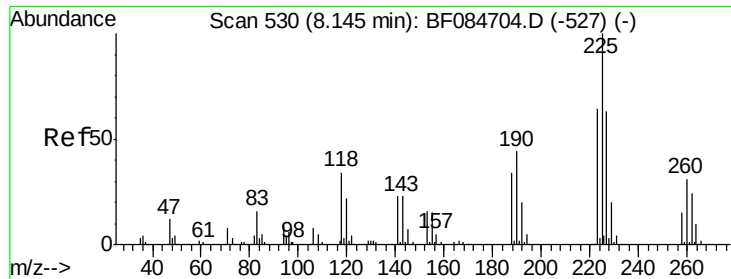
129 31.2 26.5 39.7

65 30.0 27.2 40.8

92 18.9 17.7 26.5

Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





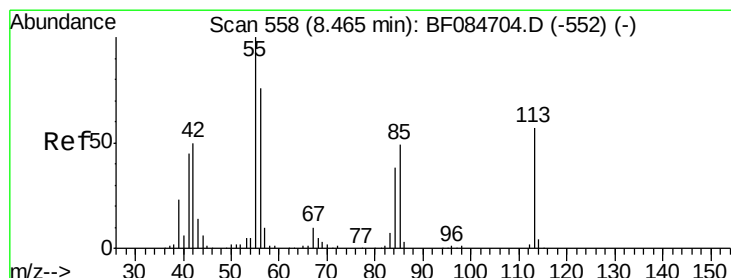
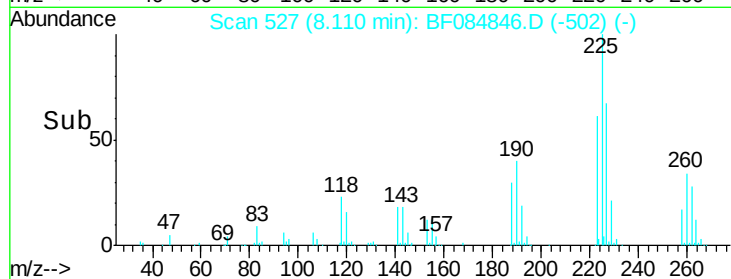
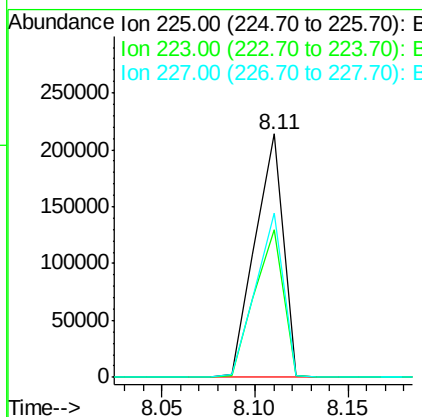
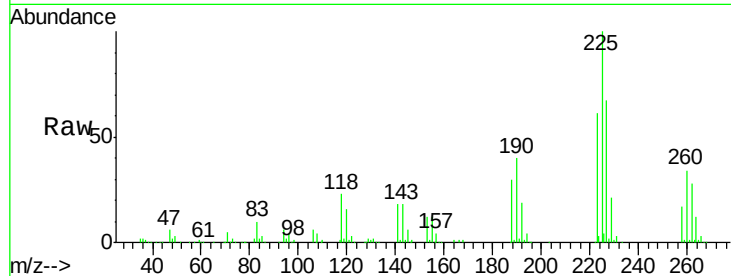
#34
Hexachlorobutadiene
Concen: 40.98 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	224342		
223	60.8		49.4	74.0
227	67.4		50.8	76.2

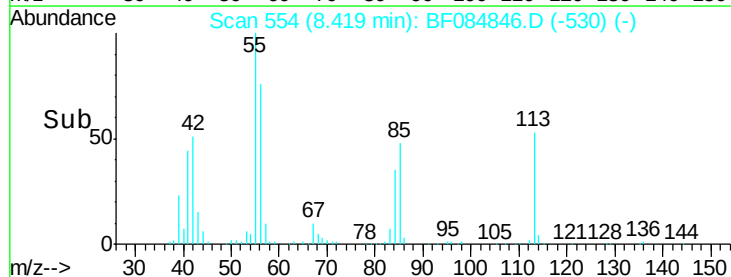
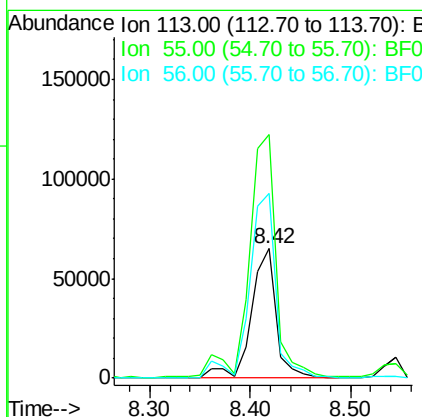
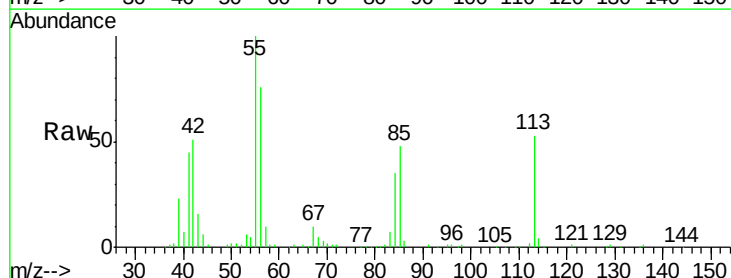
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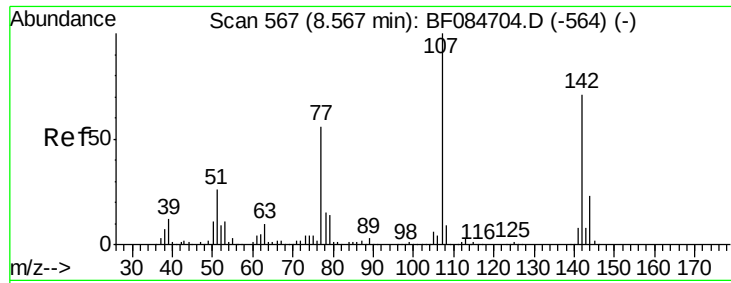
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#35
Caprolactam
Concen: 43.00 ng
RT: 8.42 min Scan# 554
Delta R.T. -0.02 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	111400		
55	188.6		116.9	156.9#
56	143.1		93.8	133.8#





#36

4-Chloro-3-methylphenol

Concen: 41.12 ng

RT: 8.54 min Scan# 565

Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

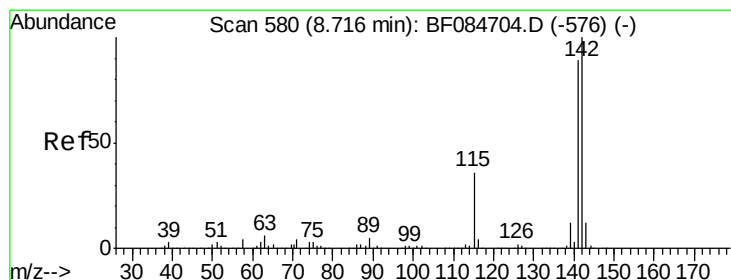
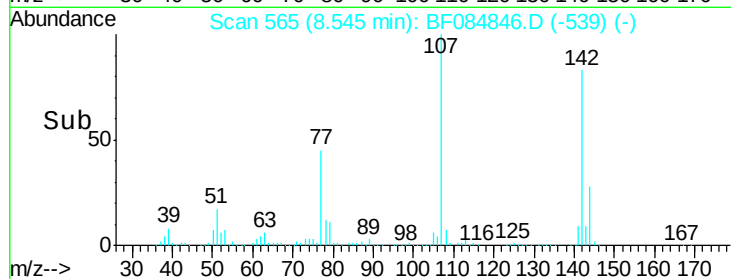
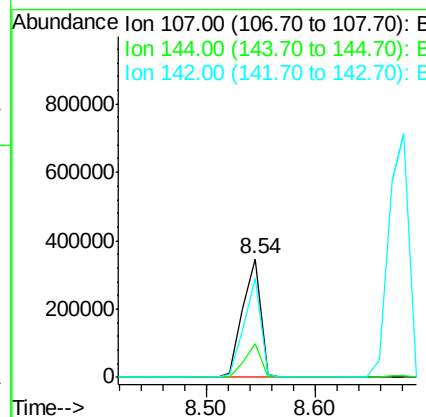
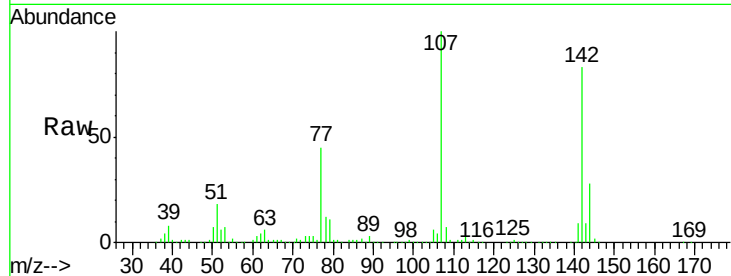
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	107	Resp:	394259
Ion Ratio	Lower	Upper	
107	100		
144	28.0	19.7	29.5
142	83.1	61.8	92.6

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#37

2-Methylnaphthalene

Concen: 48.67 ng

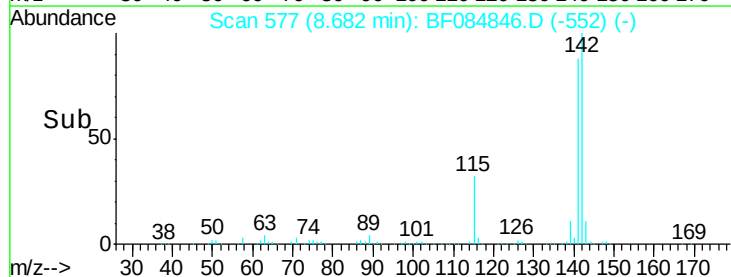
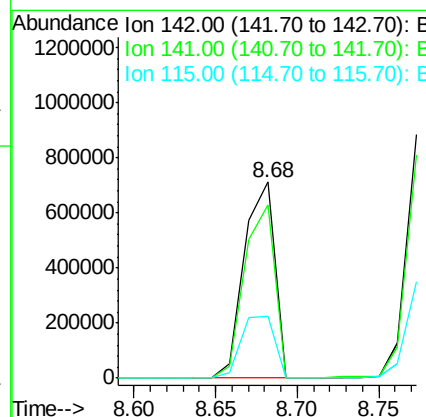
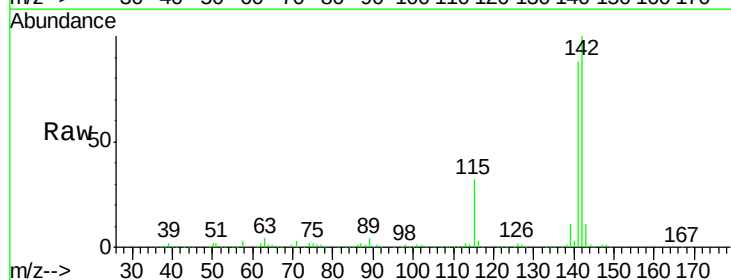
RT: 8.68 min Scan# 577

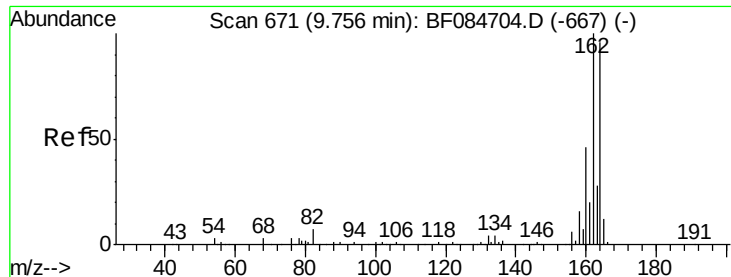
Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	142	Resp:	920335
Ion Ratio	Lower	Upper	
142	100		
141	88.4	72.4	108.6
115	31.8	27.9	41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

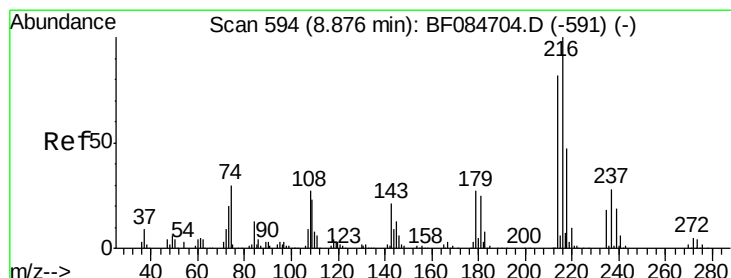
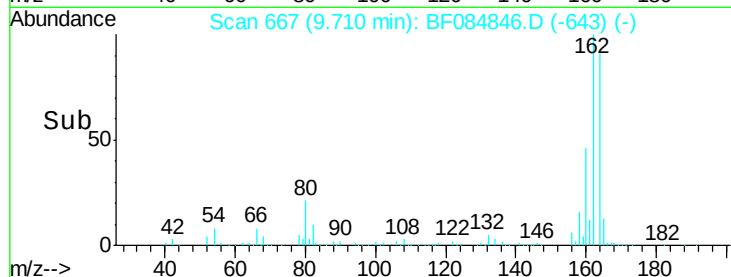
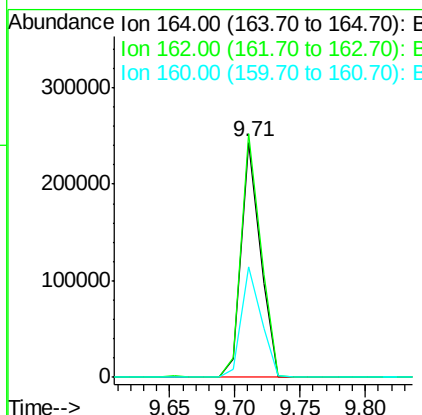
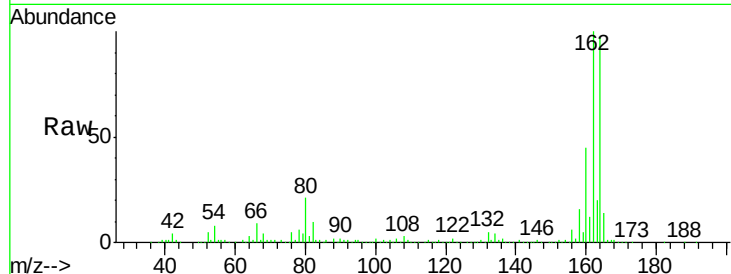
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	164	Resp:	248539
Ion Ratio	Lower	Upper	
164	100		
162	103.5	85.1	127.7
160	46.9	37.5	56.3

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.45 ng

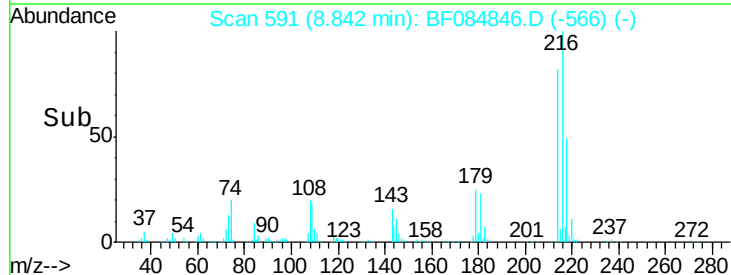
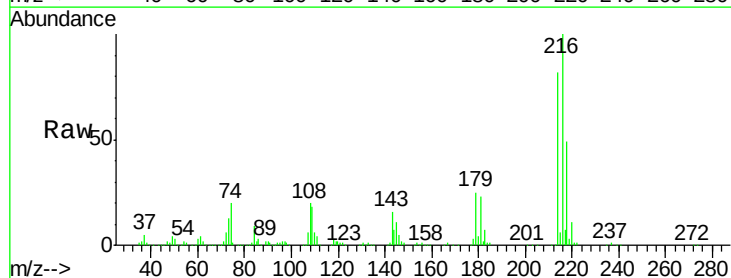
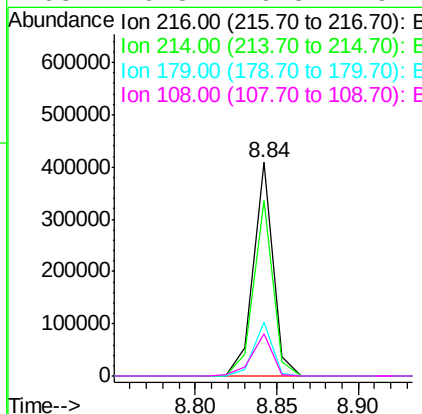
RT: 8.84 min Scan# 591

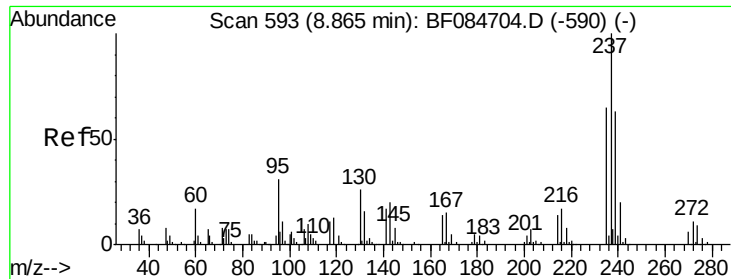
Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	216	Resp:	342966
Ion Ratio	Lower	Upper	
216	100		
214	80.7	64.2	96.2
179	24.3	18.7	28.1
108	20.8	16.8	25.2





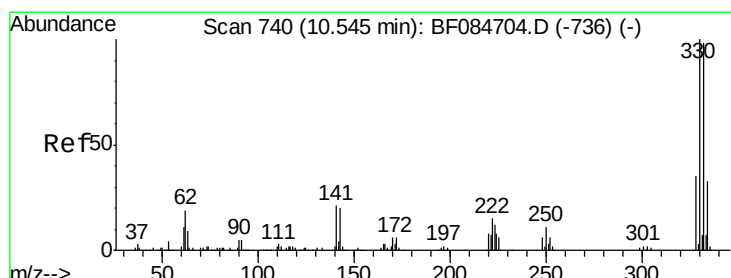
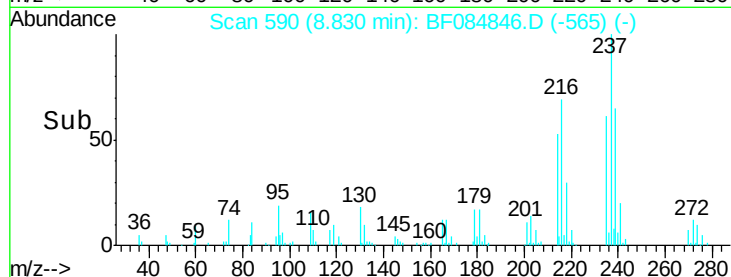
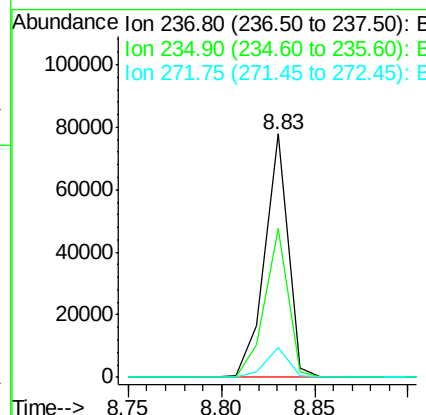
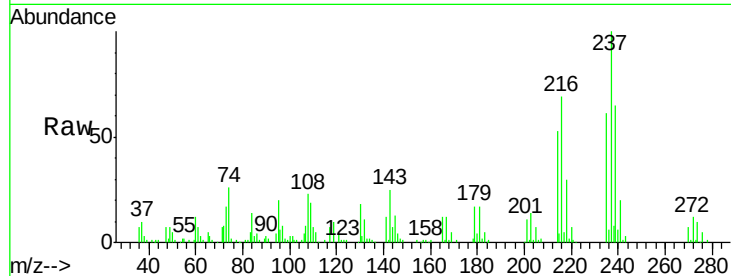
#40
Hexachlorocyclopentadiene
Concen: 27.11 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100	67238		
235	61.0	43.1	83.1	
272	12.4	0.0	35.1	

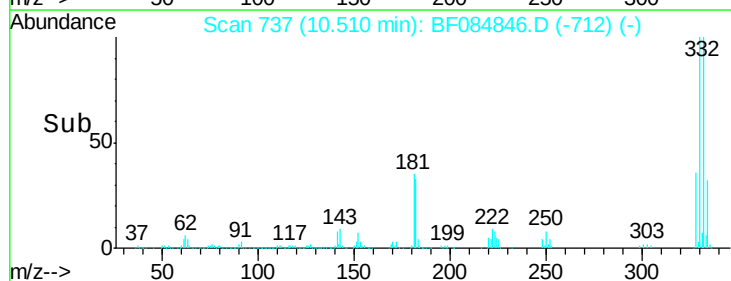
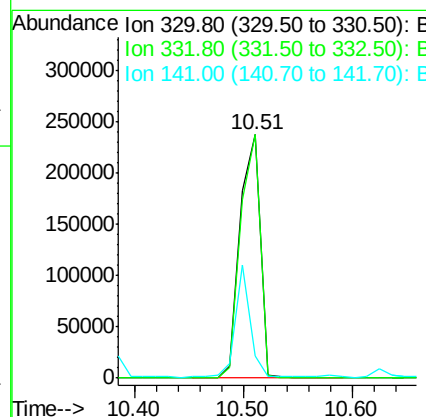
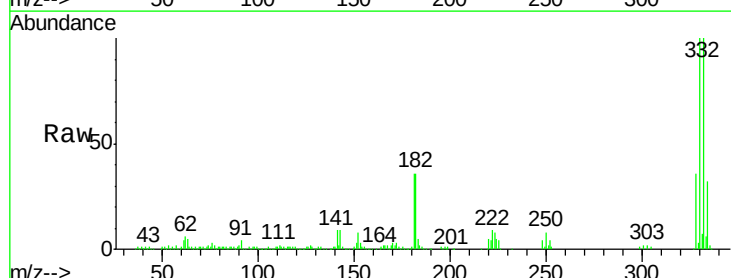
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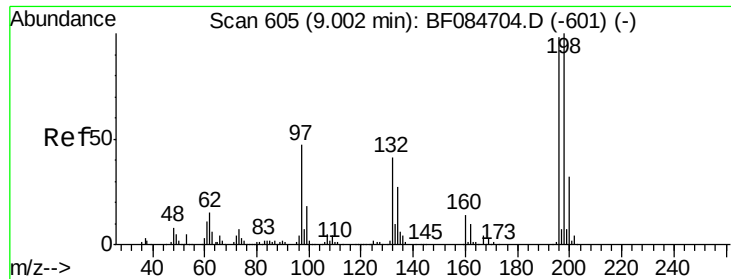
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#41
2,4,6-Tribromophenol
Concen: 115.66 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	299847		
332	97.8	76.6	114.8	
141	33.9	27.8	41.6	





#42

2,4,6-Trichlorophenol

Concen: 44.68 ng

RT: 8.97 min Scan# 602

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

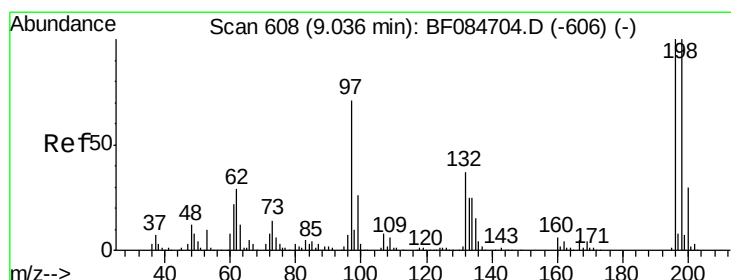
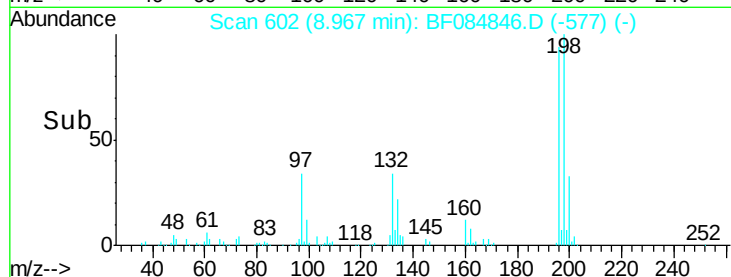
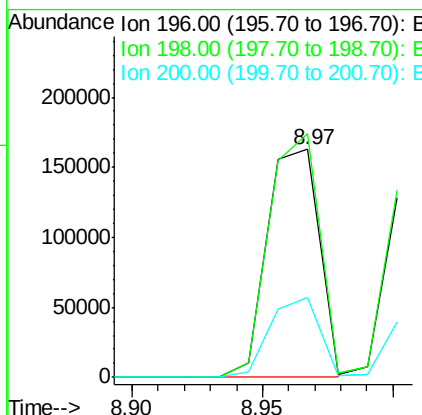
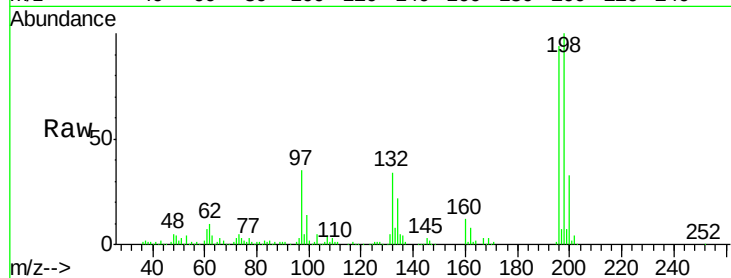
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	196	Resp:	227183
Ion Ratio	Lower	Upper	
196	100		
198	106.7	77.7	116.5
200	34.7	24.6	37.0

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#43

2,4,5-Trichlorophenol

Concen: 43.52 ng

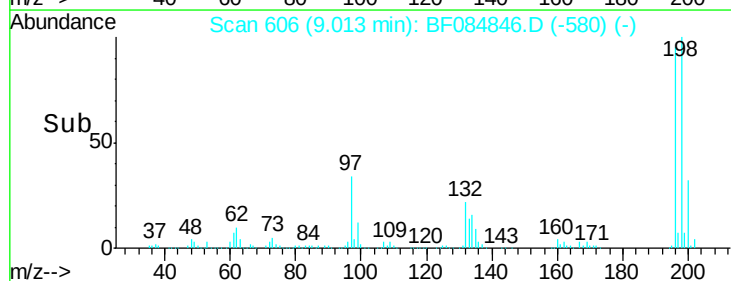
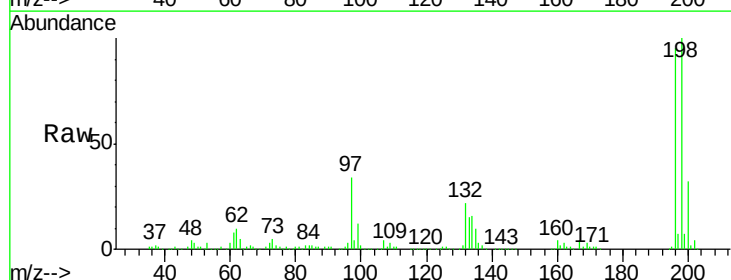
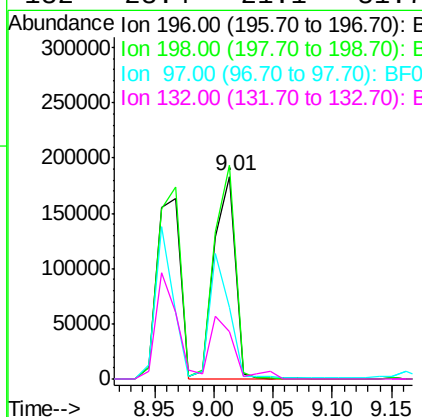
RT: 9.01 min Scan# 606

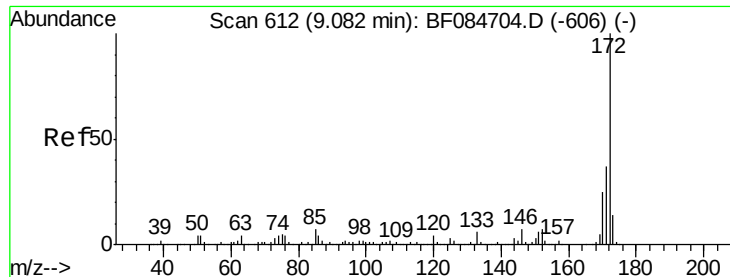
Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	196	Resp:	224872
Ion Ratio	Lower	Upper	
196	100		
198	105.6	79.0	118.6
97	35.5	33.0	49.6
132	23.4	21.1	31.7





#44

2-Fluorobiphenyl

Concen: 117.27 ng

RT: 9.05 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:172 Resp: 1511580

Ion Ratio Lower Upper

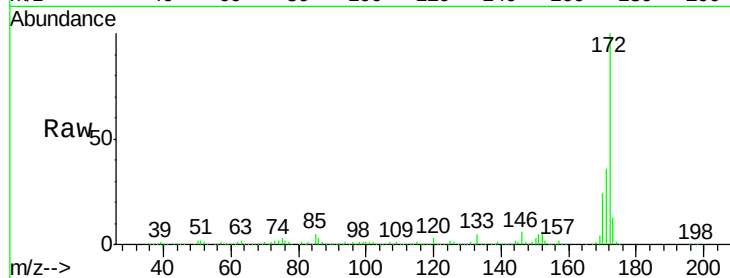
172 100

171 36.1 28.9 43.3

170 24.4 18.6 27.8

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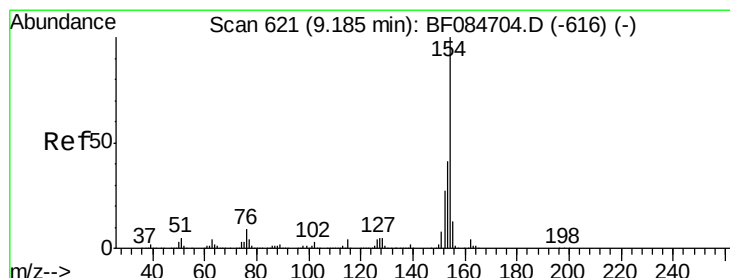
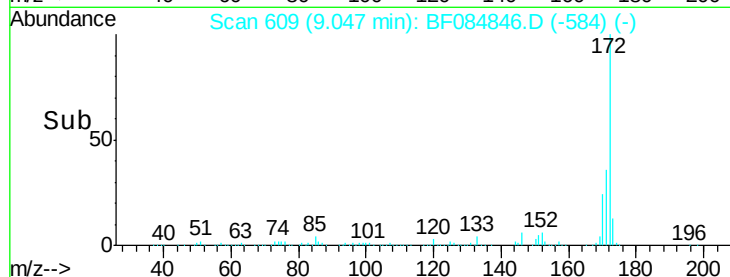
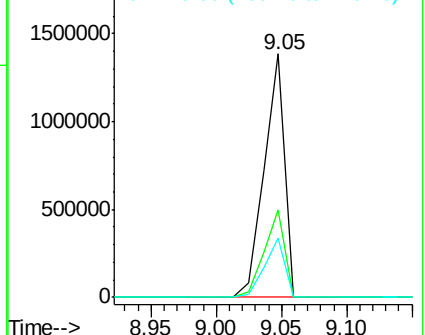
mohammad
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 40.89 ng

RT: 9.14 min Scan# 617

Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

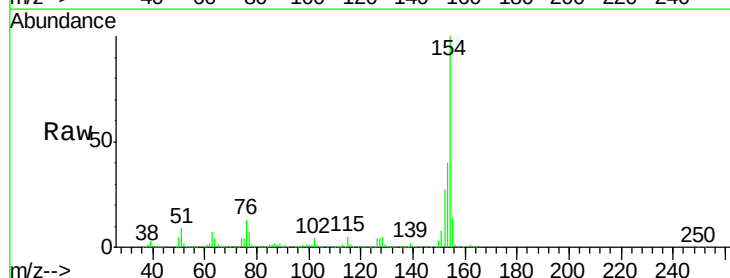
Tgt Ion:154 Resp: 907742

Ion Ratio Lower Upper

154 100

153 40.3 21.6 61.6

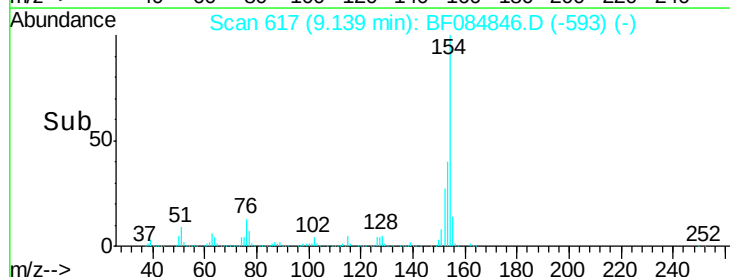
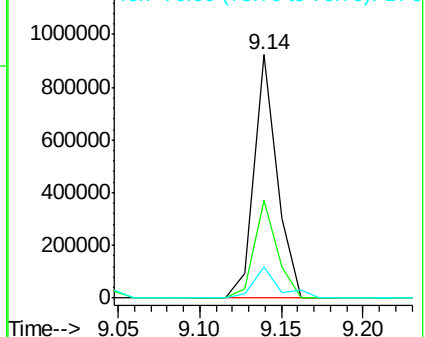
76 13.0 0.0 32.7

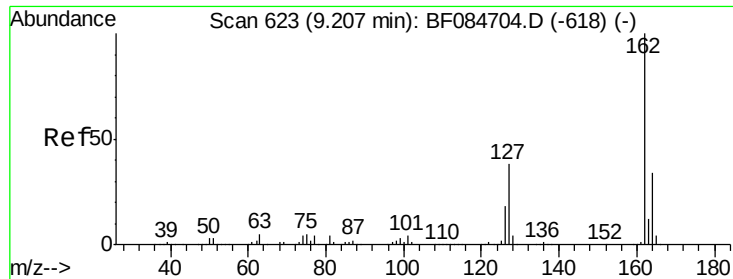


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





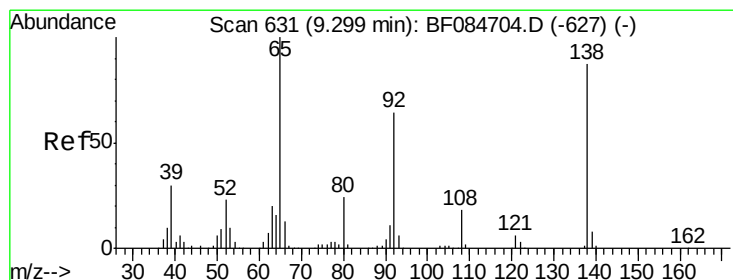
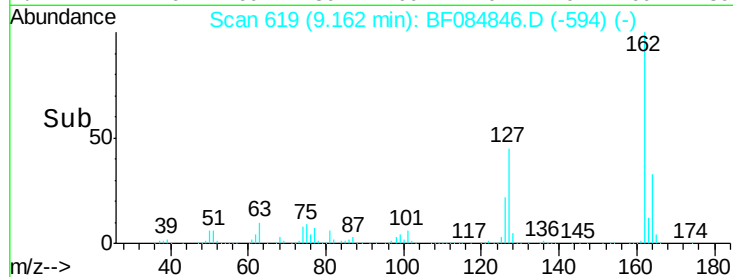
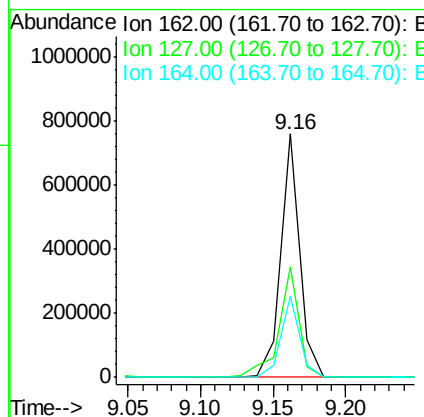
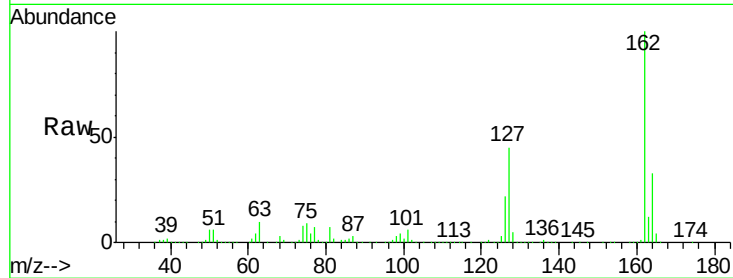
#46
2-Chloronaphthalene
Concen: 41.73 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	45.1	40.2	60.4
164	33.2	25.7	38.5

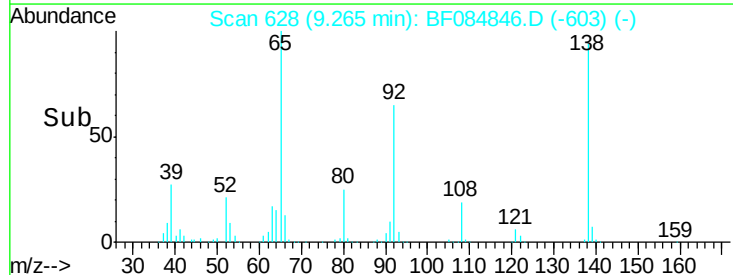
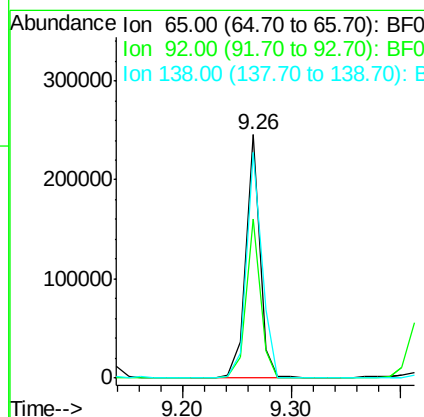
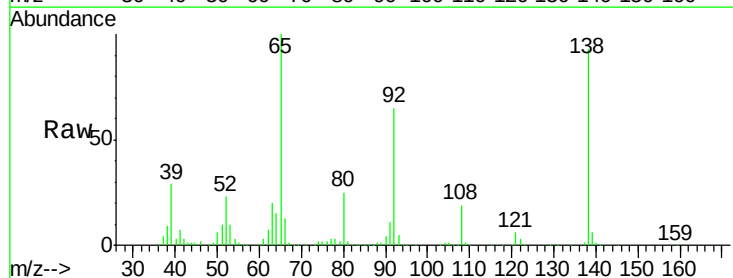
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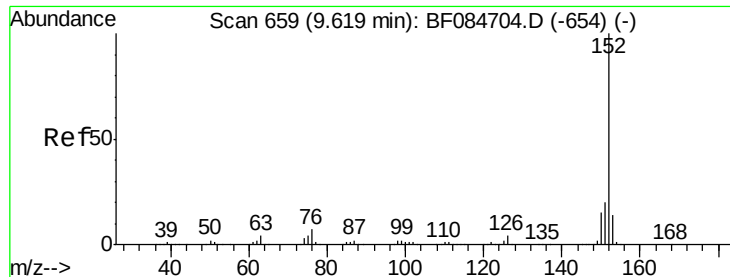
mohammad
2/5/2016 1:49:10 PM



#47
2-Nitroaniline
Concen: 41.88 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.1	53.4	80.2
138	93.0	71.1	106.7





#48

Acenaphthylene

Concen: 49.32 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:152 Resp: 1223563

Ion Ratio Lower Upper

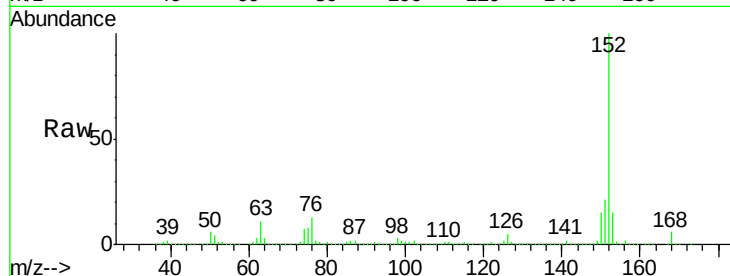
152 100

151 20.7 16.3 24.5

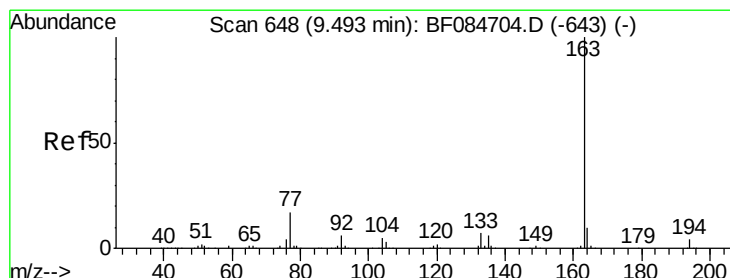
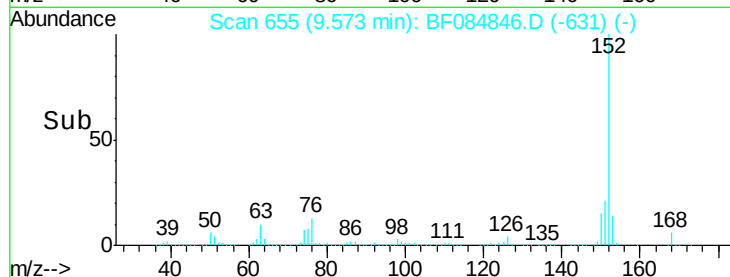
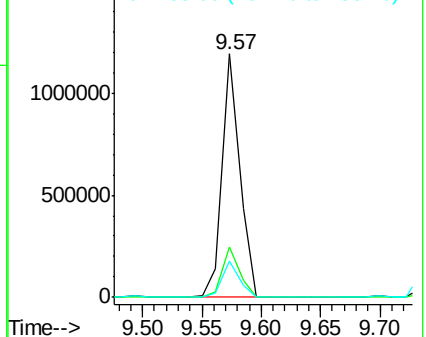
153 14.8 10.4 15.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 53.52 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

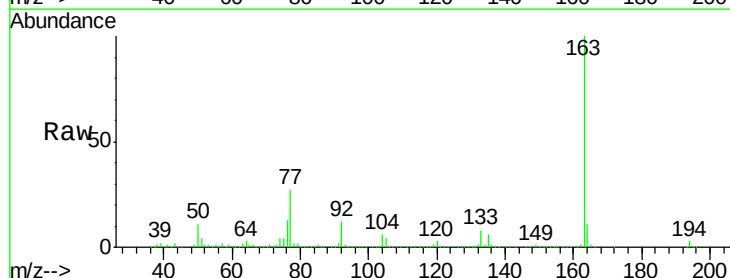
Tgt Ion:163 Resp: 1013154

Ion Ratio Lower Upper

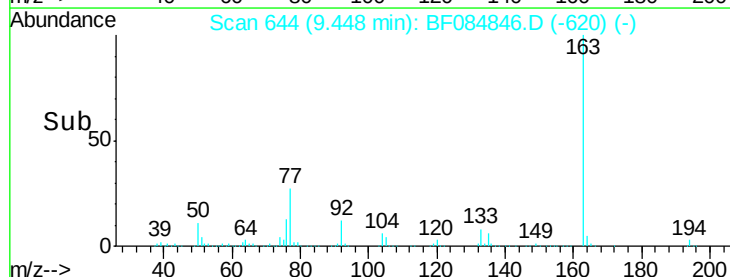
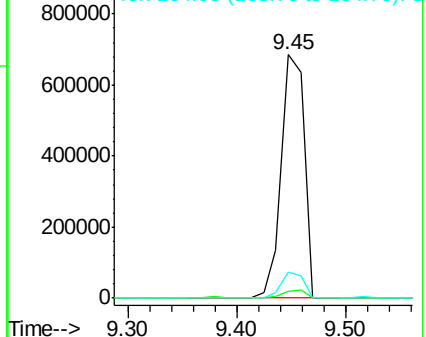
163 100

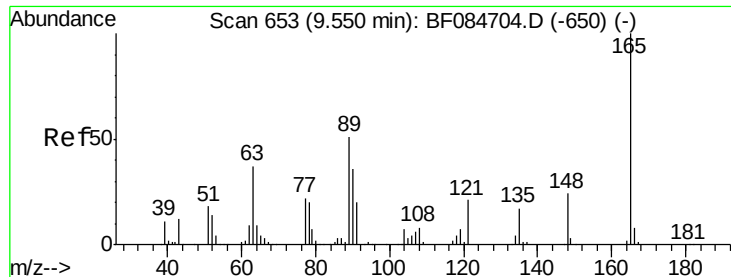
194 2.8 8.0 12.0#

164 10.9 8.0 12.0



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: 46.03 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

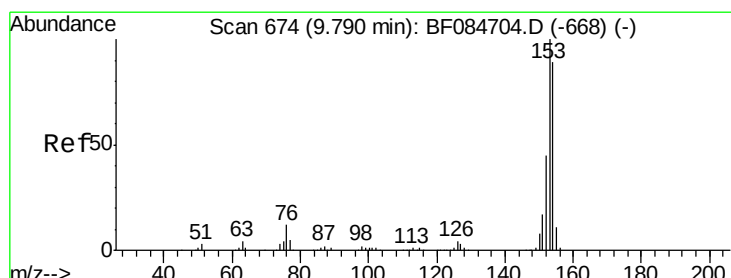
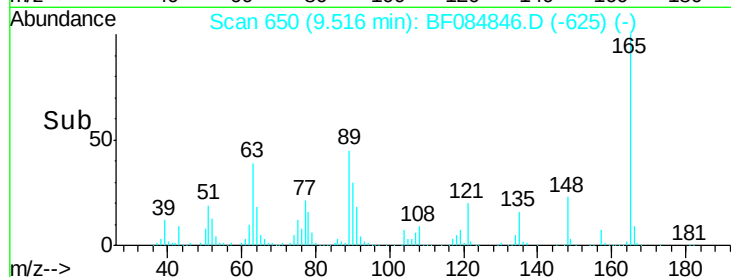
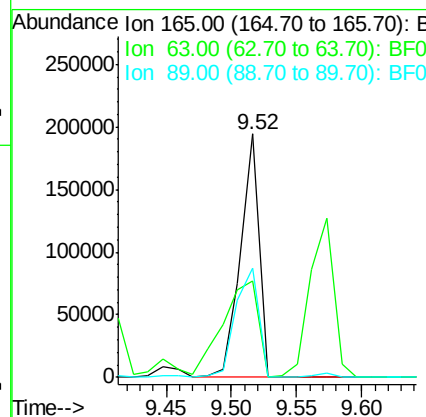
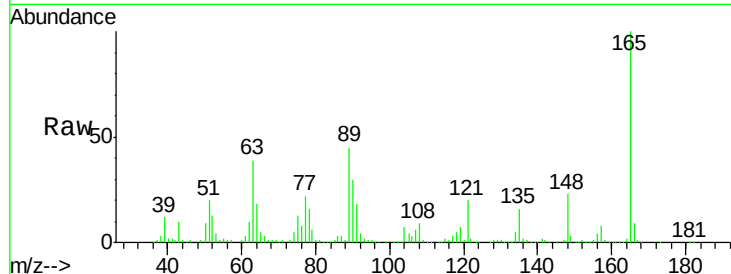
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	190335		
63	39.4	28.8	43.2	
89	45.1	35.1	52.7	

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#51

Acenaphthene

Concen: 50.85 ng

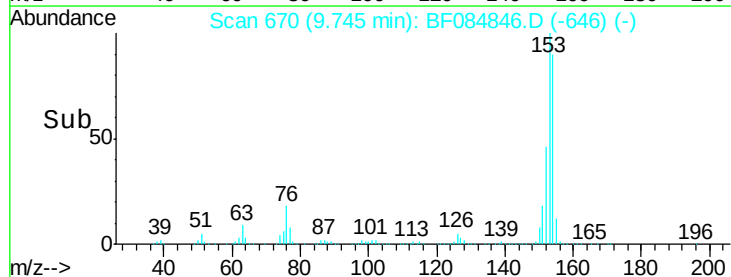
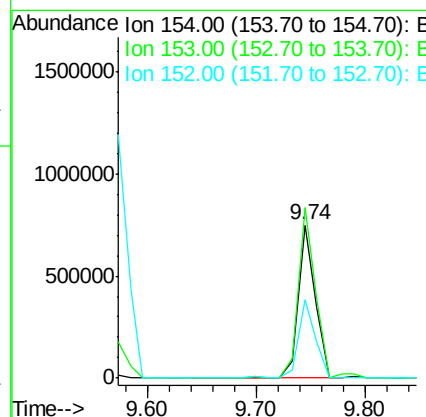
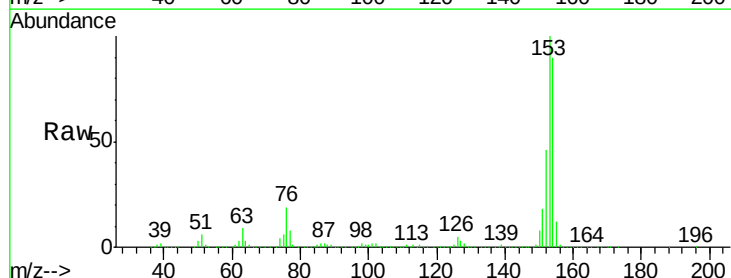
RT: 9.74 min Scan# 670

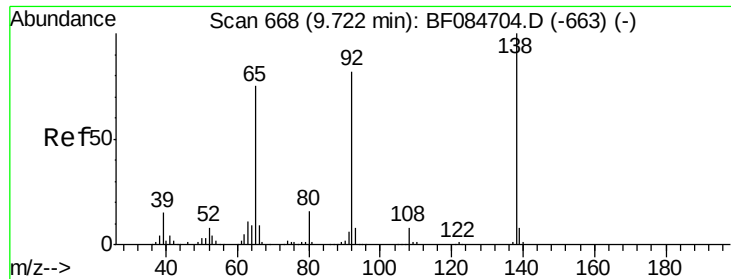
Delta R.T. -0.02 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	820766		
153	111.3	91.5	137.3	
152	50.8	43.0	64.6	





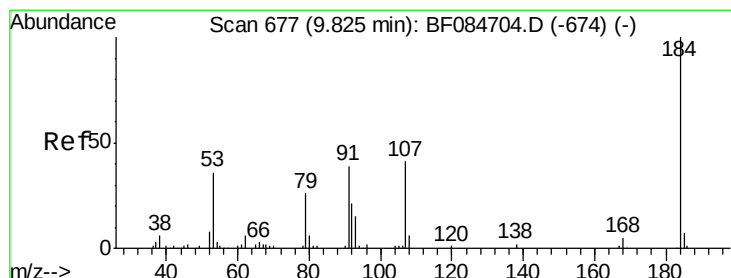
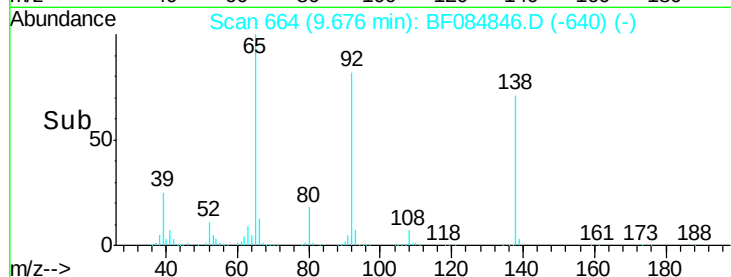
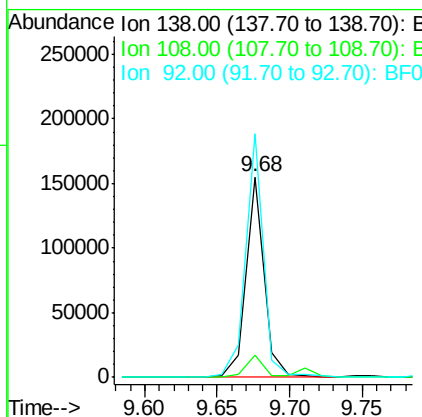
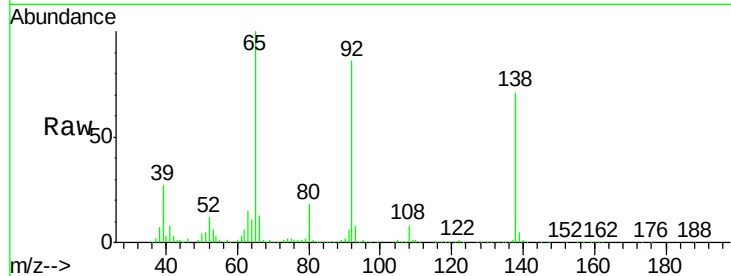
#52
3-Nitroaniline
Concen: 29.04 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.02 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.5	15.7
92	121.6	103.9	155.9

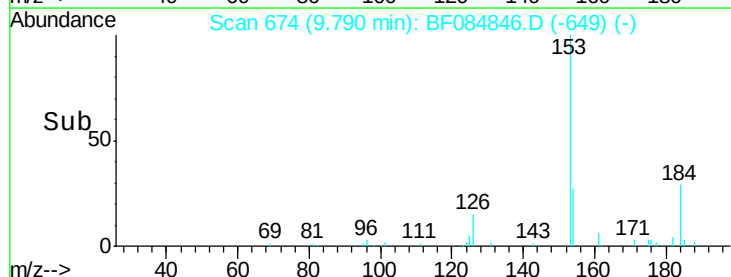
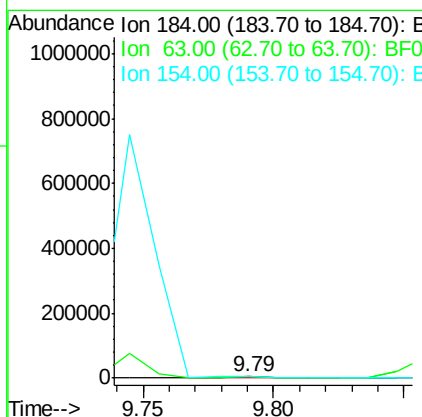
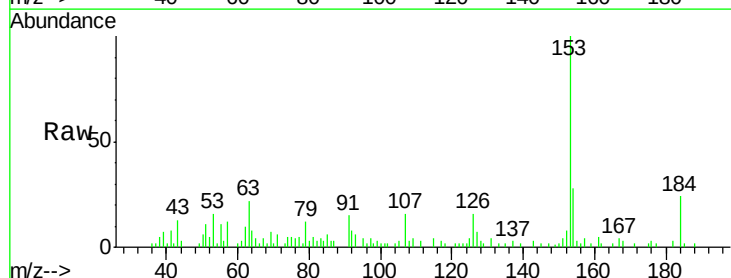
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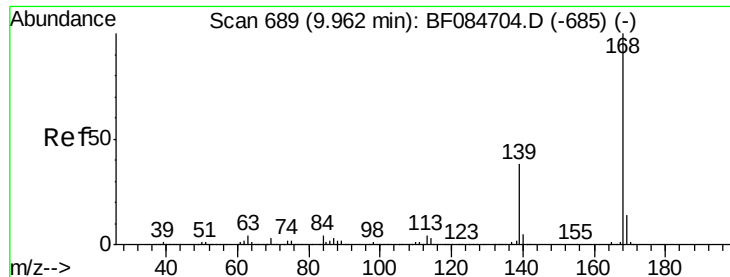
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#53
2,4-Dinitrophenol
Concen: 8.16 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	90.2	43.1	64.7#
154	115.8	60.5	90.7#





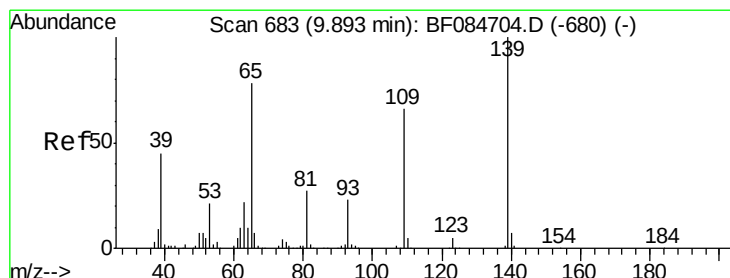
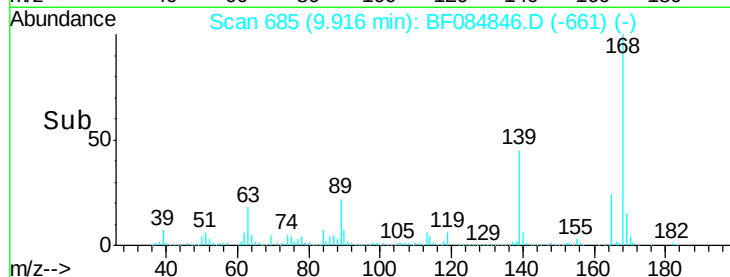
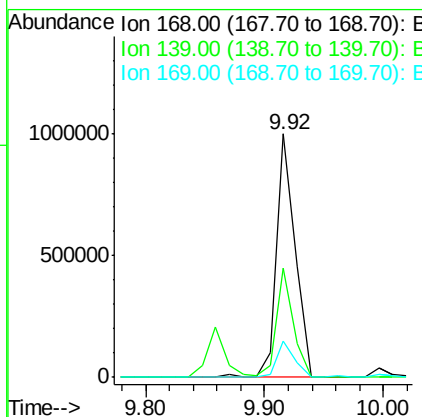
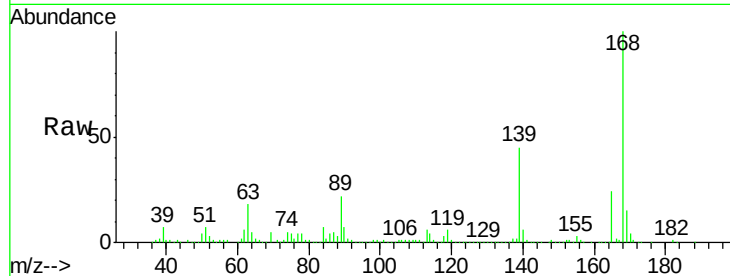
#54
Dibenzofuran
Concen: 54.93 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.02 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	45.0	30.5	45.7
169	14.7	10.4	15.6

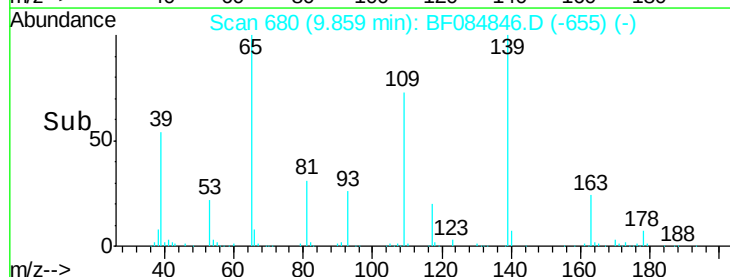
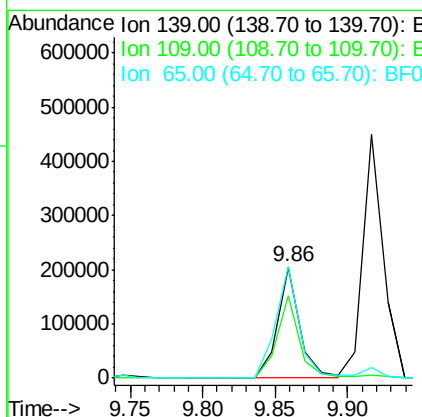
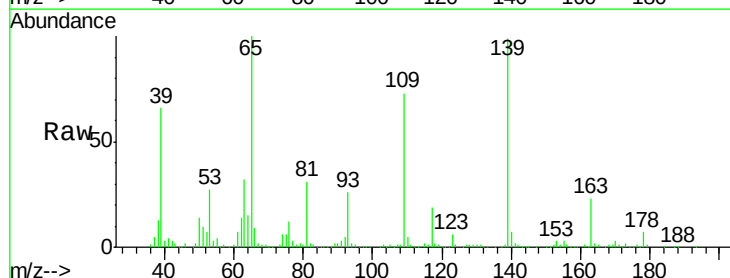
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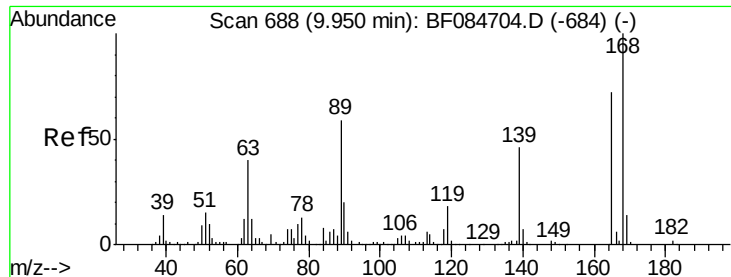
mohammad
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#55
4-Nitrophenol
Concen: 63.90 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.4	58.5	98.5
65	101.3	57.6	97.6#





#56

2,4-Dinitrotoluene

Concen: 41.70 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:165 Resp: 219950
Ion Ratio Lower Upper

165 100

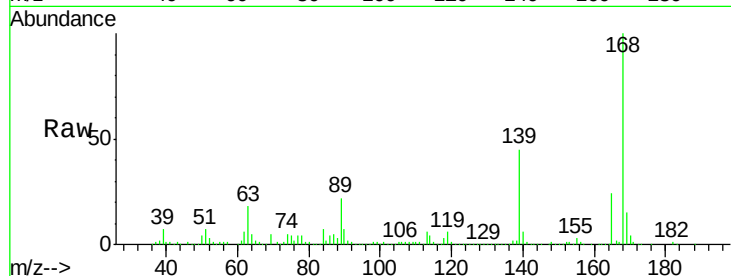
63 73.6 36.7 55.1#

89 90.3 61.9 92.9

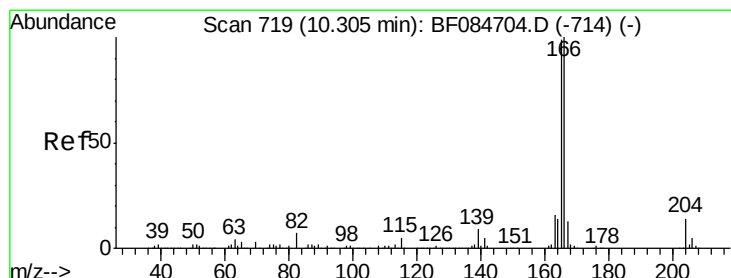
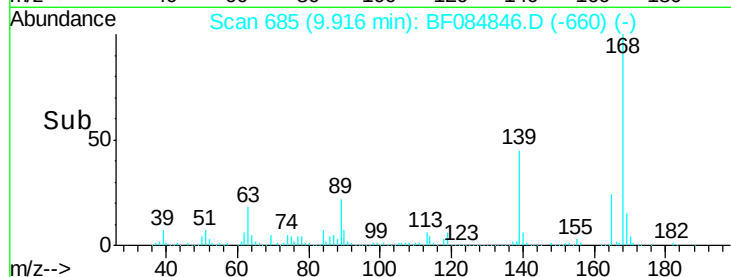
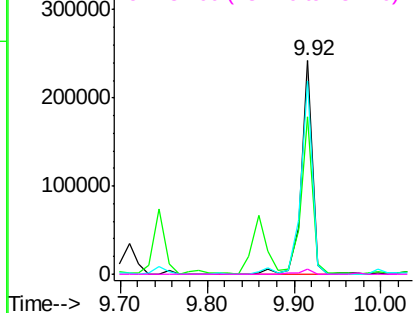
182 2.4 2.0 3.0

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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
Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 50.98 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084846.D

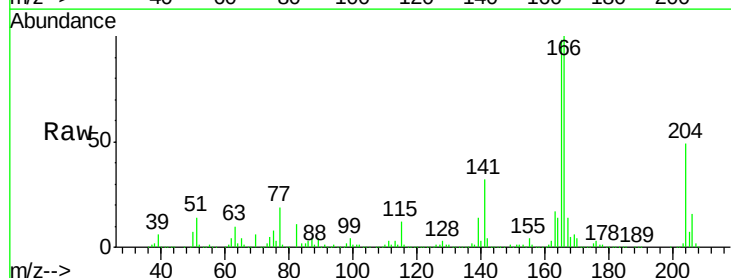
Acq: 4 Feb 2016 23:28

Tgt Ion:166 Resp: 839816
Ion Ratio Lower Upper

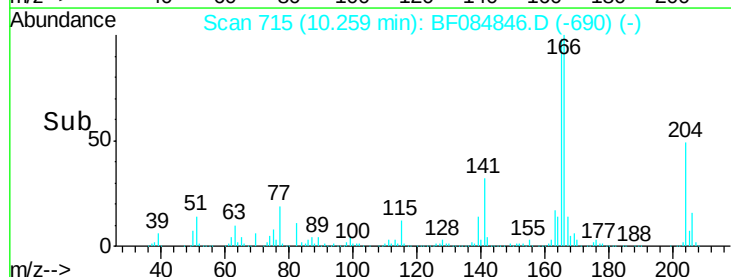
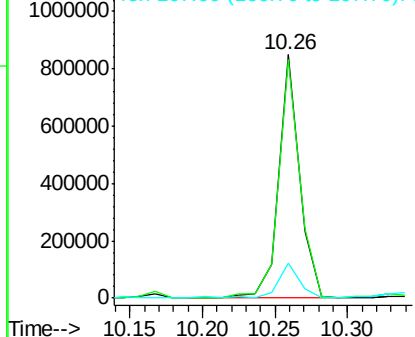
166 100

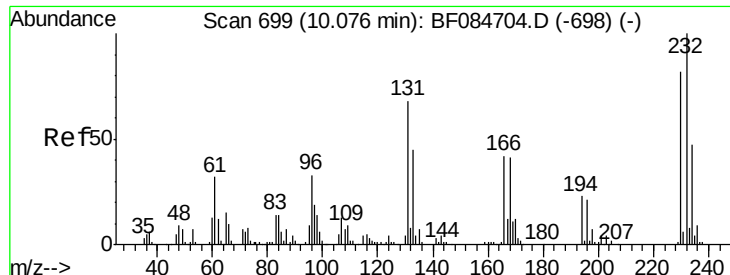
165 98.2 79.1 118.7

167 14.5 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





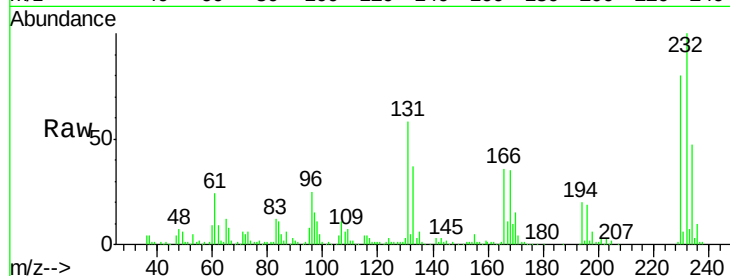
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.97 ng
 RT: 10.04 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MSD

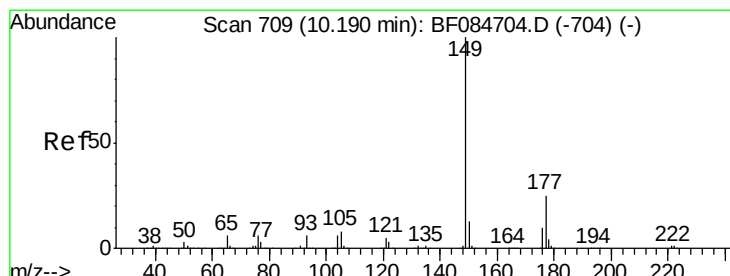
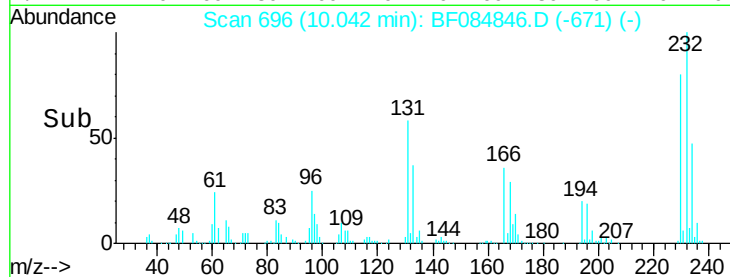
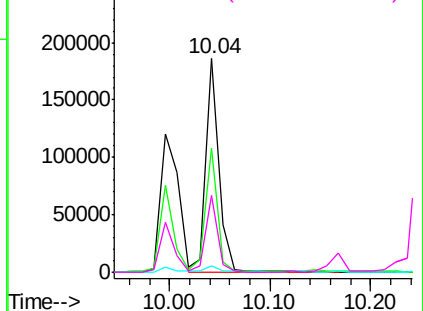
Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		169025		
131	51.5	47.0	70.6		
130	2.7	2.0	3.0		
166	33.1	30.5	45.7		

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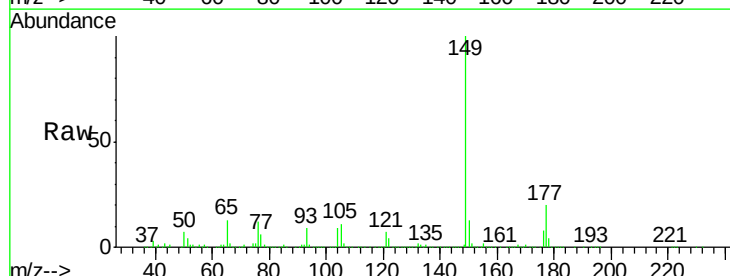


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

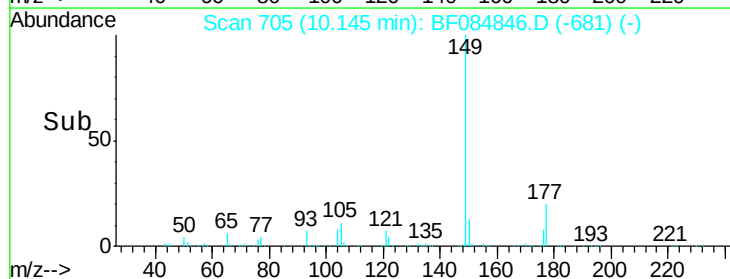
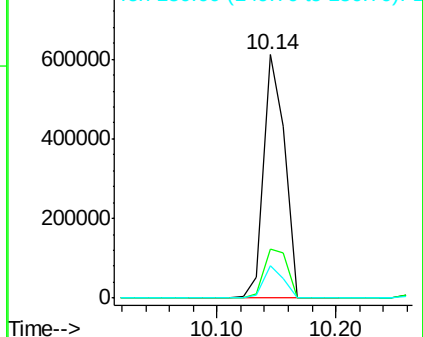


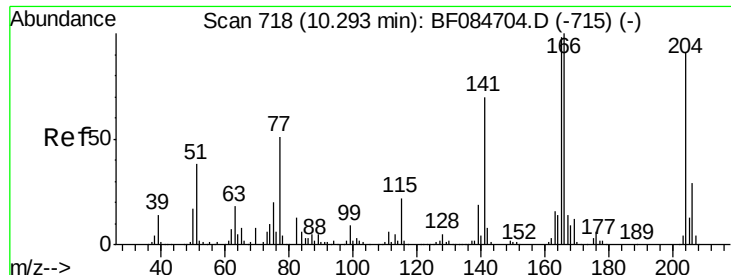
#59
 Diethylphthalate
 Concen: 40.97 ng
 RT: 10.14 min Scan# 705
 Delta R.T. -0.02 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		757357		
177	20.0	17.3	25.9		
150	13.2	9.8	14.8		



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





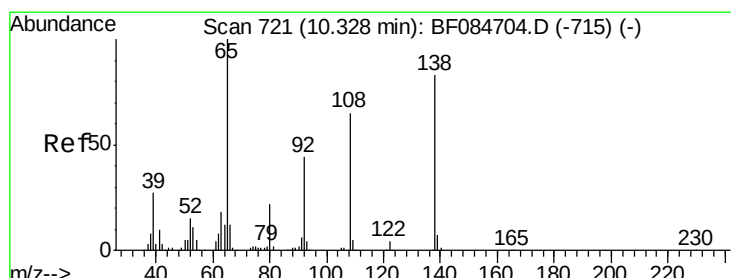
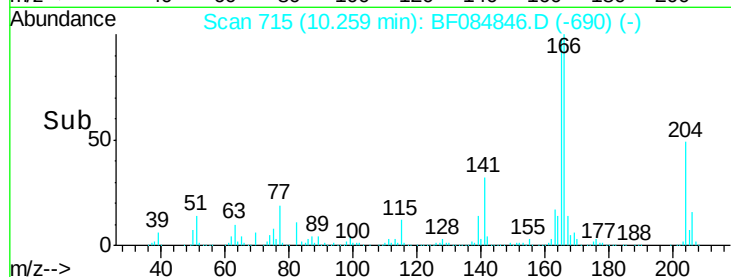
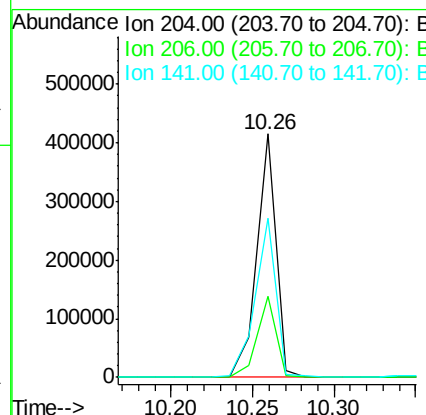
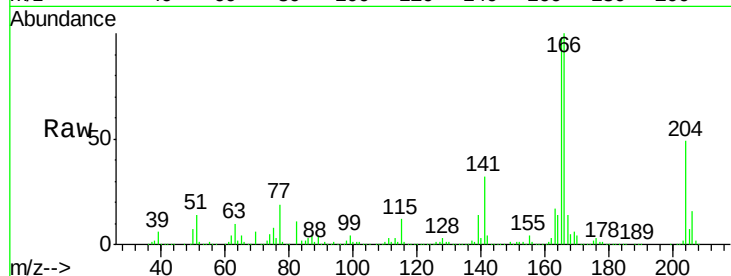
#60
 4-Chlorophenyl-phenylether
 Concen: 50.07 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.7	38.5
141	65.5	55.1	82.7

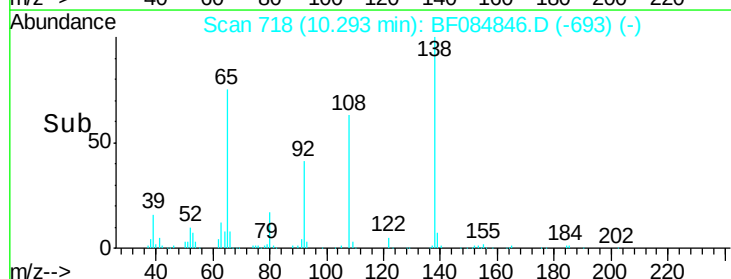
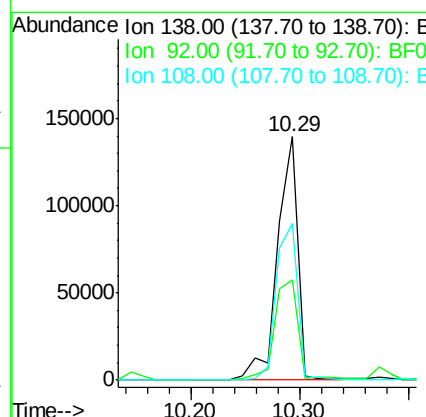
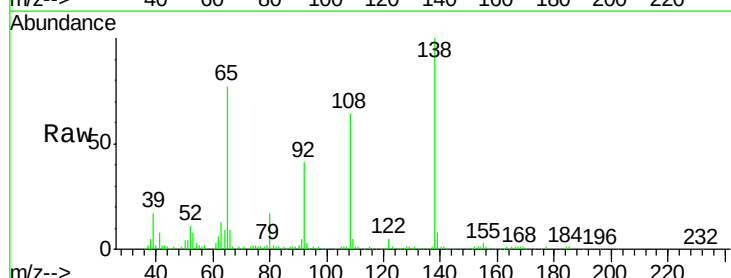
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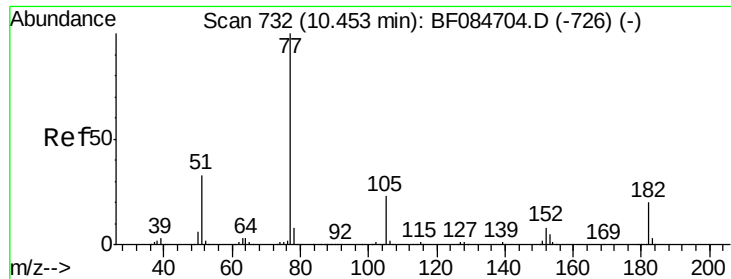
mohammad
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#61
 4-Nitroaniline
 Concen: 39.54 ng
 RT: 10.29 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
138	100		
92	41.2	32.6	72.6
108	64.5	68.6	108.6





#62

Azobenzene

Concen: 46.50 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

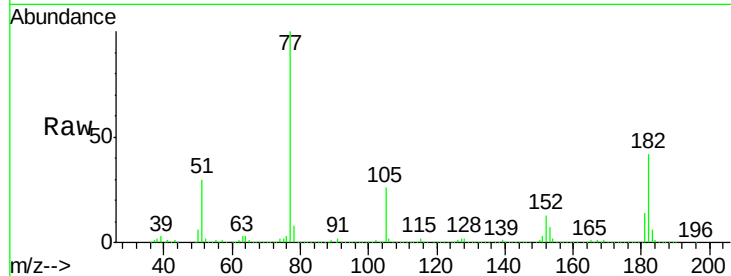
ClientSampleId :

S4-B019(11-13)MSD

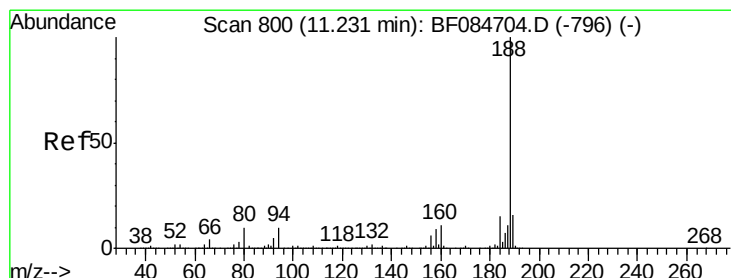
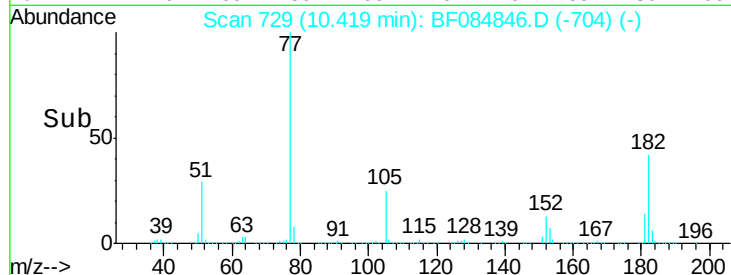
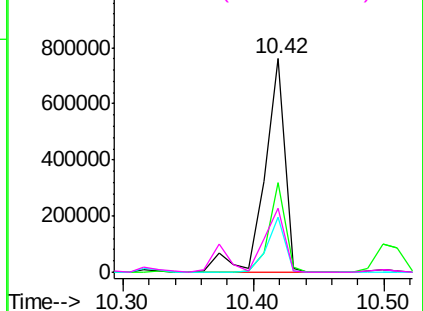
Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		826519		
182	42.0	8.3	48.3		
105	26.1	4.6	44.6		
51	29.7	6.2	46.2		

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Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

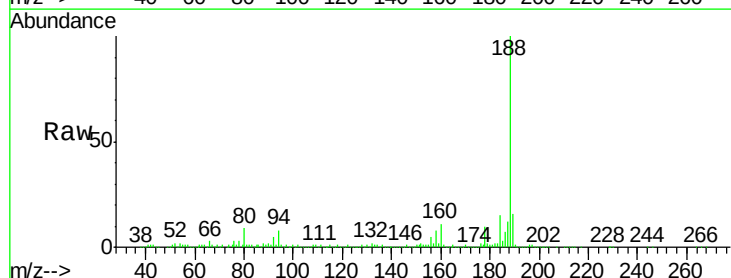
RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

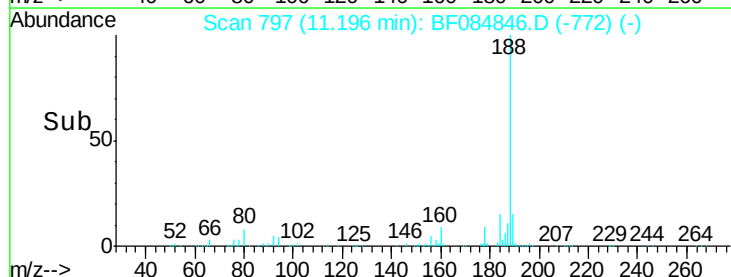
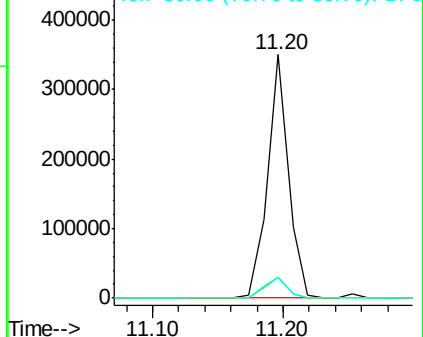
Lab File: BF084846.D

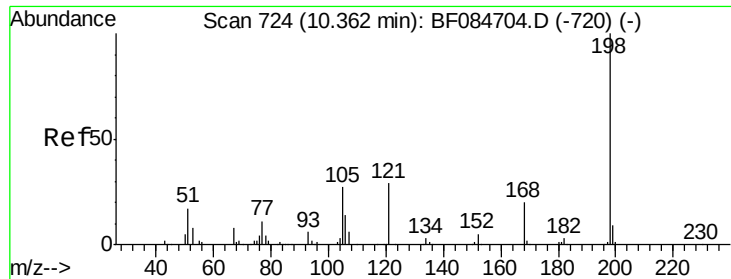
Acq: 4 Feb 2016 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		395697		
94	8.5	9.0	13.4#		
80	8.7	9.6	14.4#		



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 13.76 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF084846.D

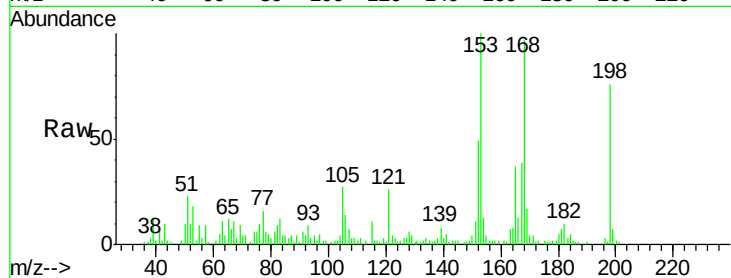
Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

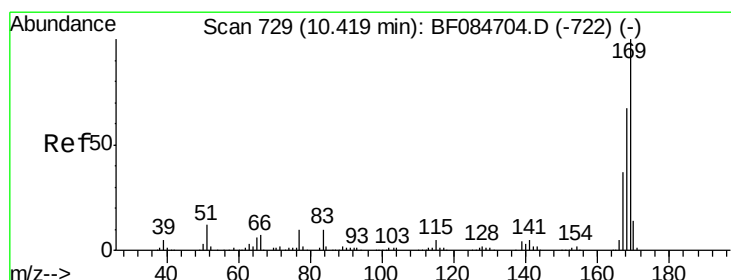
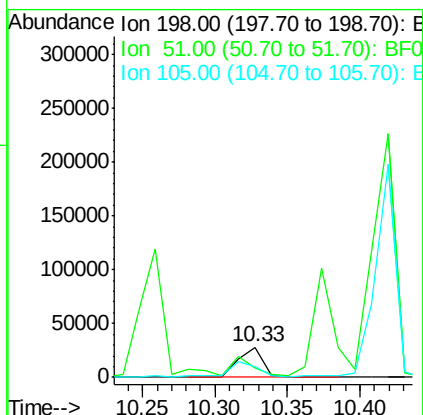
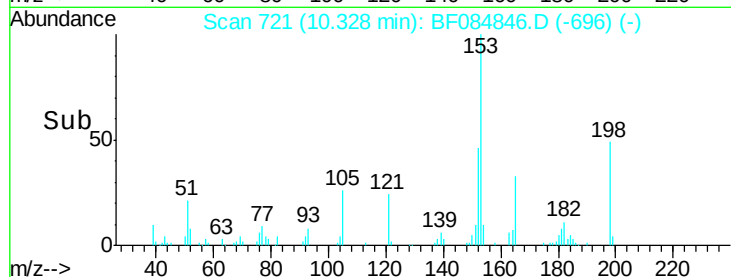
S4-B019(11-13)MSD



Tot Ion	Ratio	Lower	Upper
198	100		
51	30.3	18.9	58.9
105	35.4	26.4	66.4

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#65

n-Nitrosodiphenylamine

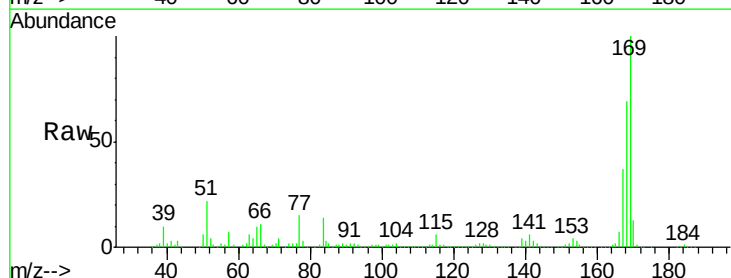
Concen: 51.14 ng

RT: 10.37 min Scan# 725

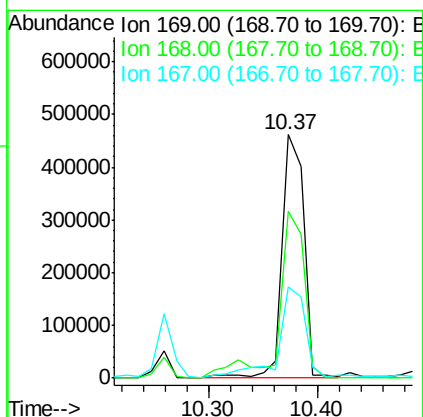
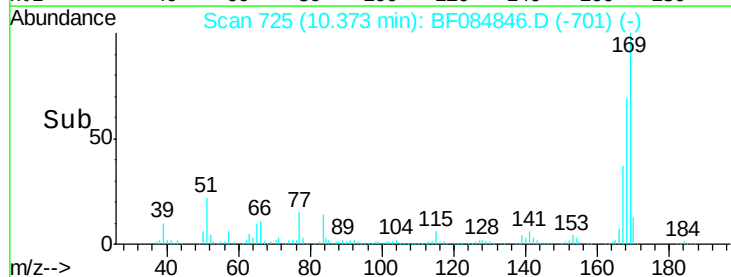
Delta R.T. -0.02 min

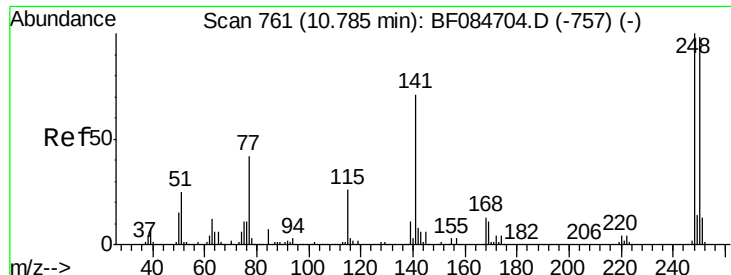
Lab File: BF084846.D

Acq: 4 Feb 2016 23:28



Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.7	55.1	82.7
167	37.3	30.0	45.0





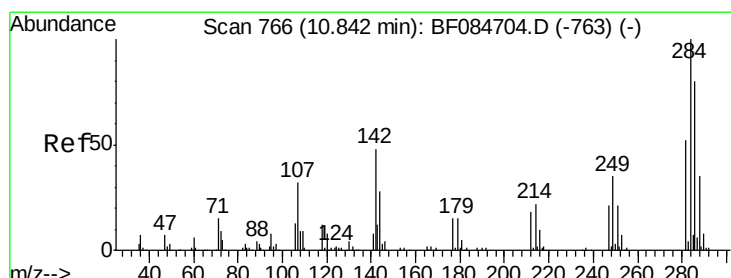
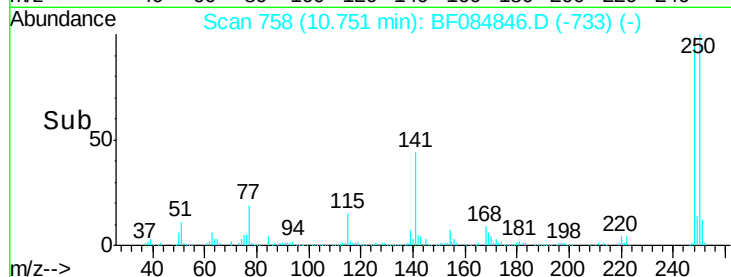
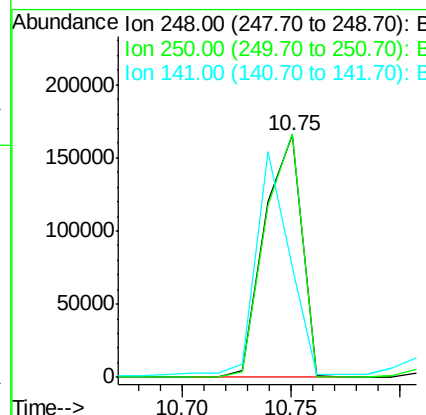
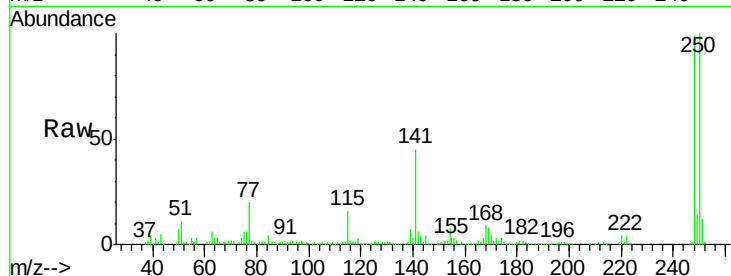
#66
4-Bromophenyl-phenylether
Concen: 45.70 ng
RT: 10.75 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.6	78.4	117.6
141	45.4	44.0	66.0

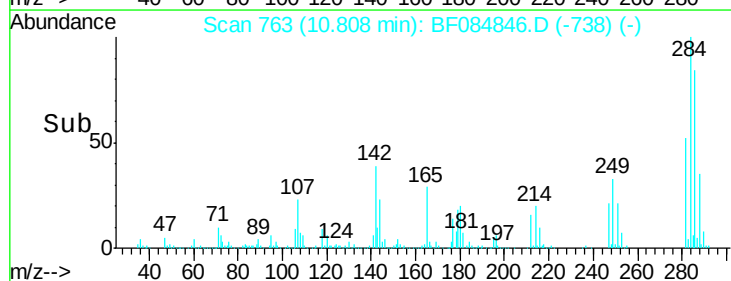
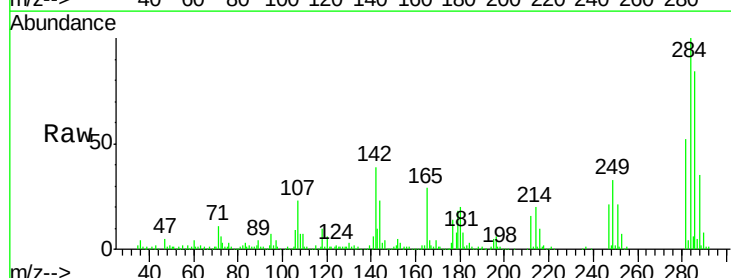
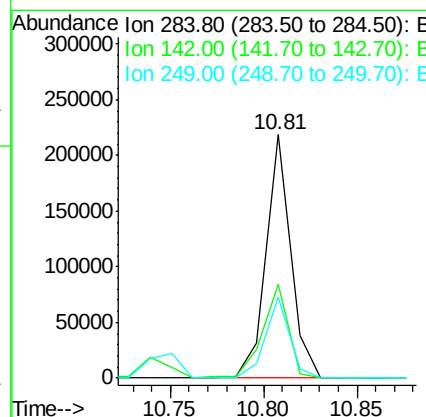
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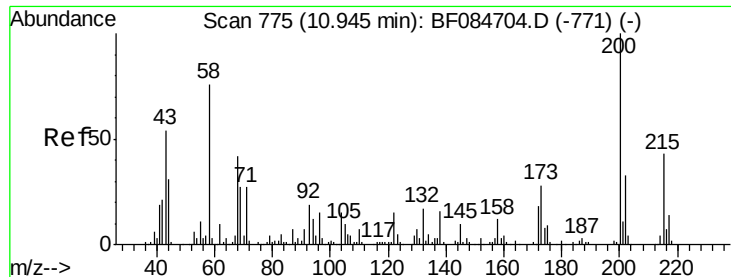
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#67
Hexachlorobenzene
Concen: 41.66 ng
RT: 10.81 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.7	22.2	33.4#
249	33.3	24.6	37.0





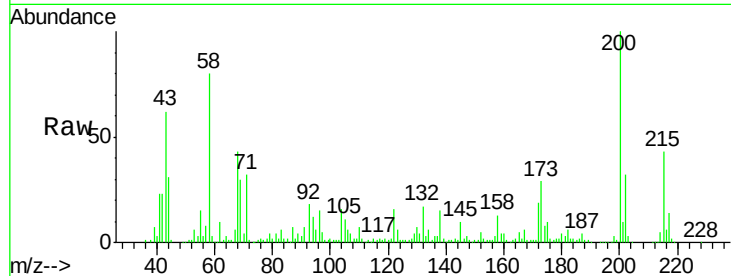
#68
Atrazine
Concen: 43.77 ng
RT: 10.91 min Scan# 772
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

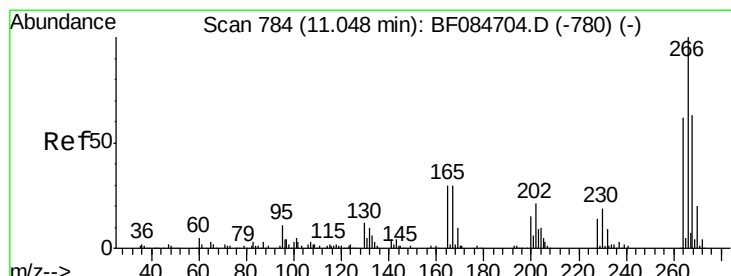
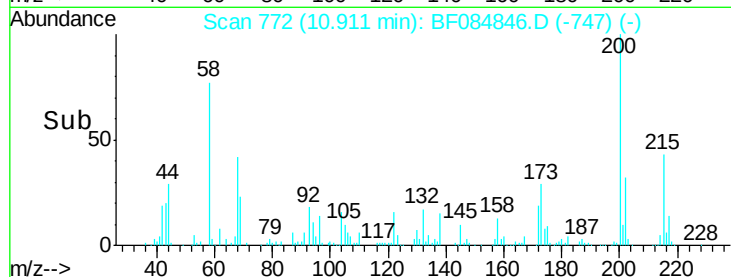
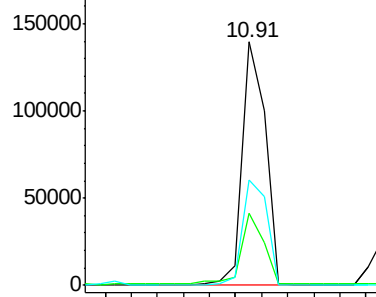
Tot Ion	Ratio	Lower	Upper
200	100		
173	29.5	9.5	49.5
215	43.3	23.8	63.8

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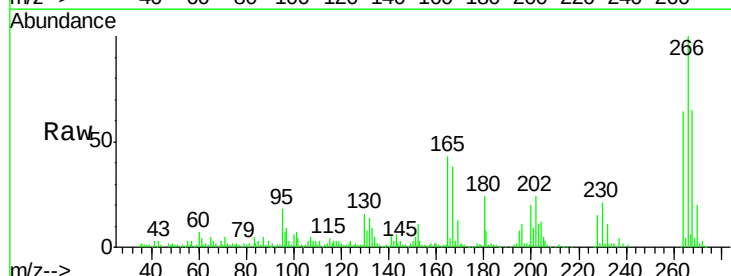


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

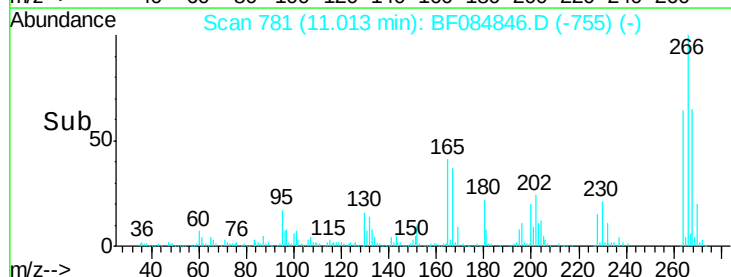
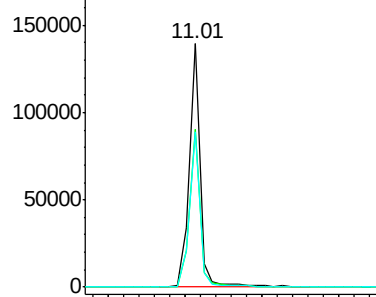


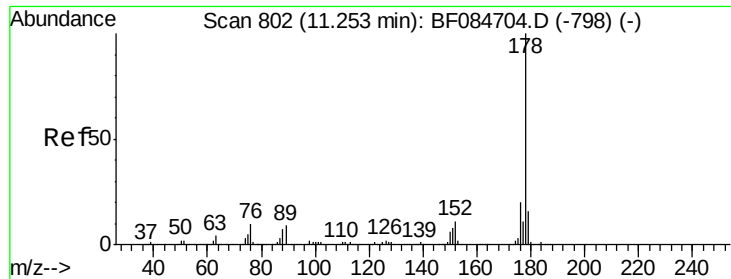
#69
Pentachlorophenol
Concen: 61.56 ng
RT: 11.01 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.7	52.4	78.6
264	63.6	50.2	75.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





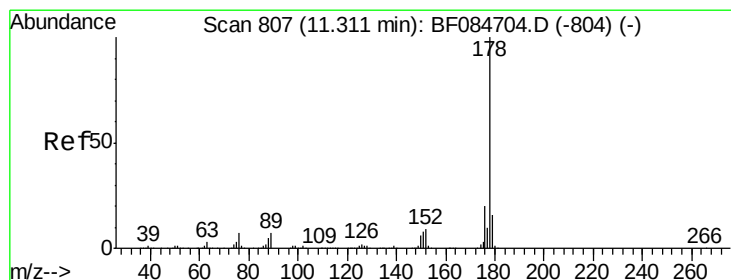
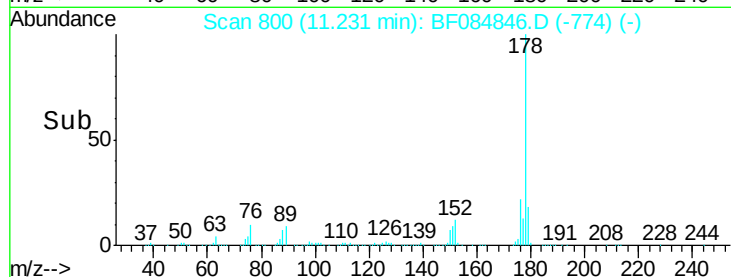
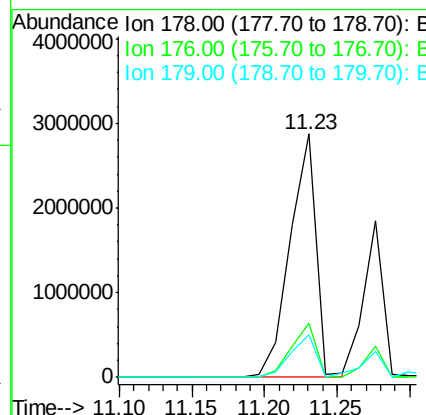
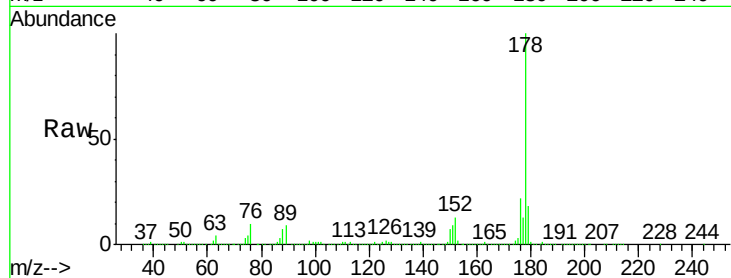
#70
Phenanthrene
Concen: 162.50 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion:178 Resp: 3566470
Ion Ratio Lower Upper
178 100
176 22.4 15.3 22.9
179 17.7 12.0 18.0

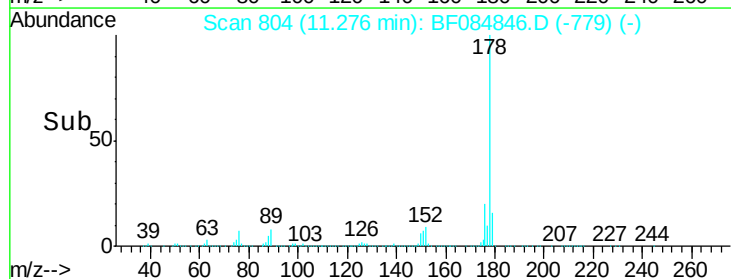
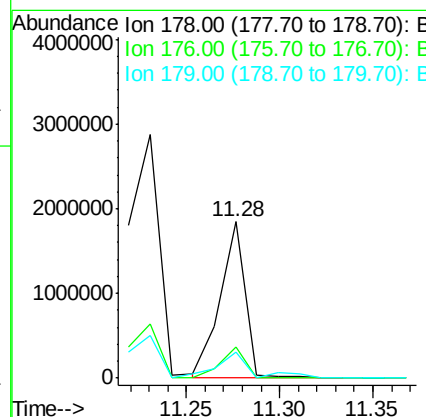
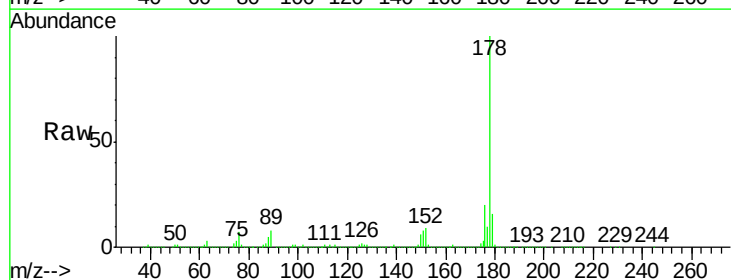
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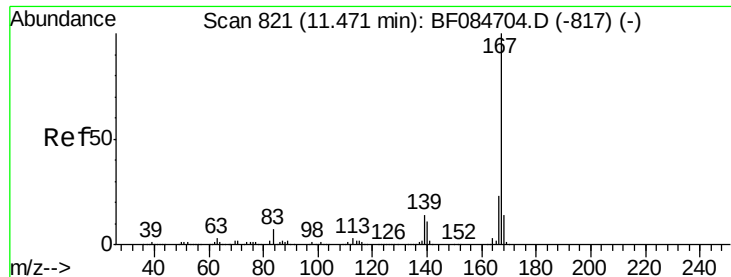
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#71
Anthracene
Concen: 78.18 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion:178 Resp: 1728842
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 16.3 12.5 18.7





#72

Carbazole

Concen: 55.28 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:167 Resp: 1066031

Ion Ratio Lower Upper

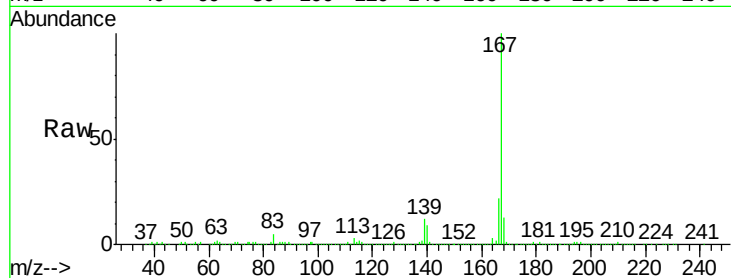
167 100

166 21.8 17.6 26.4

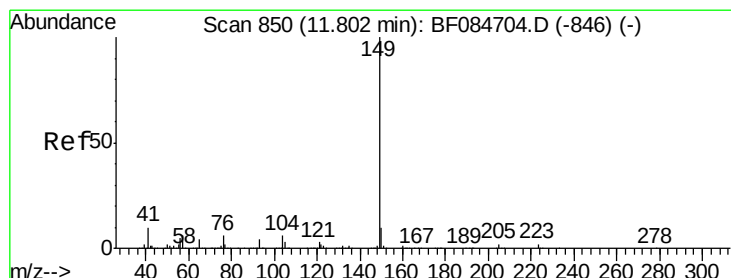
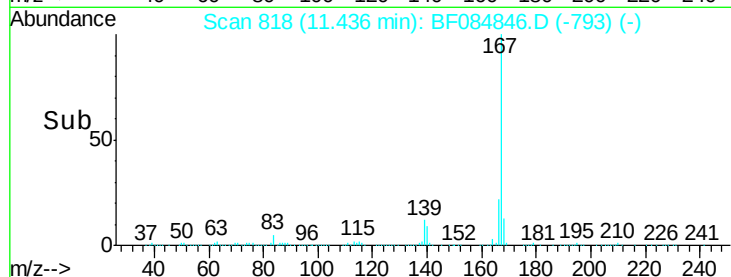
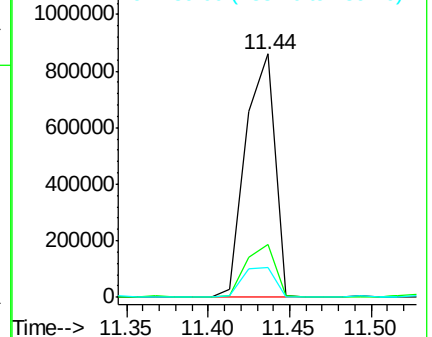
139 12.3 11.8 17.8

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



#73

Di-n-butylphthalate

Concen: 40.43 ng

RT: 11.77 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

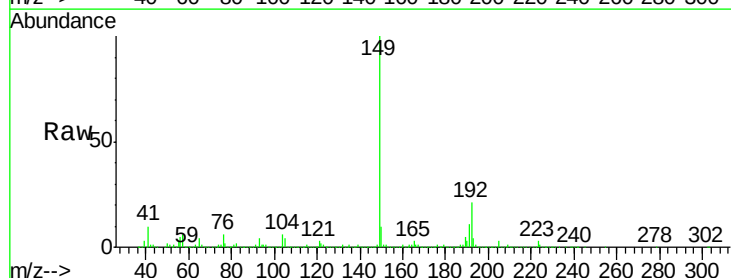
Tgt Ion:149 Resp: 992577

Ion Ratio Lower Upper

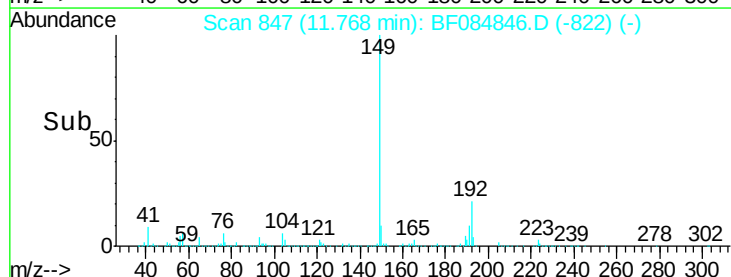
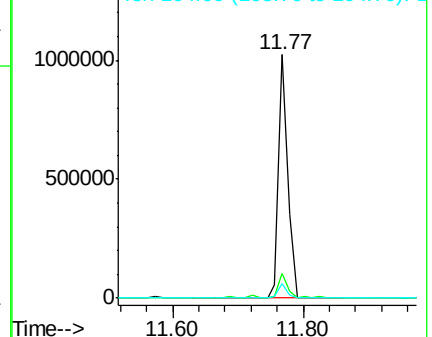
149 100

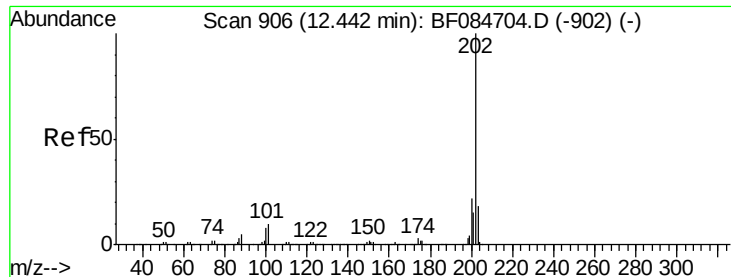
150 10.4 7.1 10.7

104 5.8 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 173.39 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

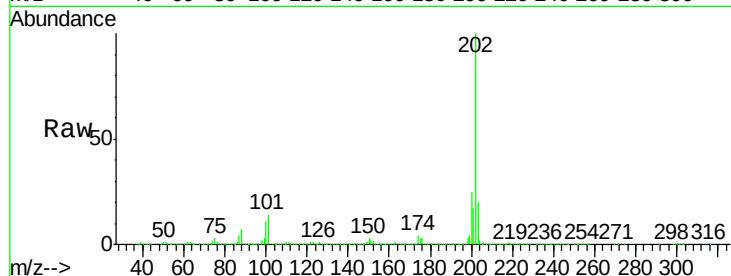
ClientSampleId :

S4-B019(11-13)MSD

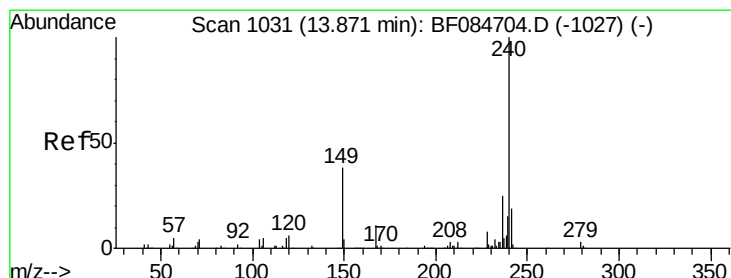
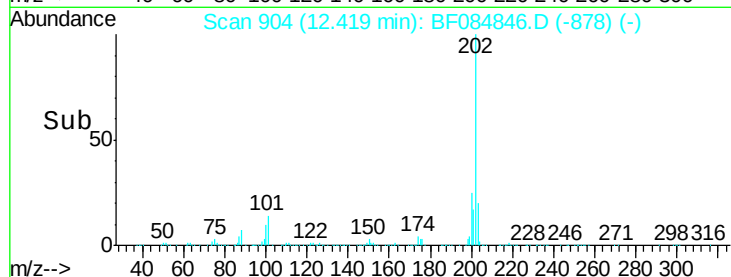
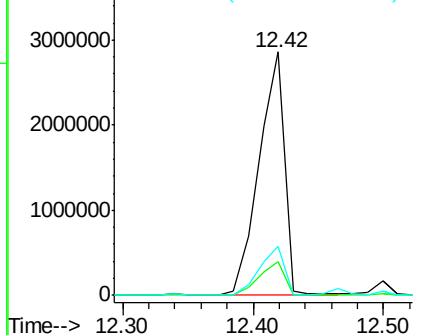
Tot Ion:	202	Resp:	3851408
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	32.8
203	20.3	0.0	37.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

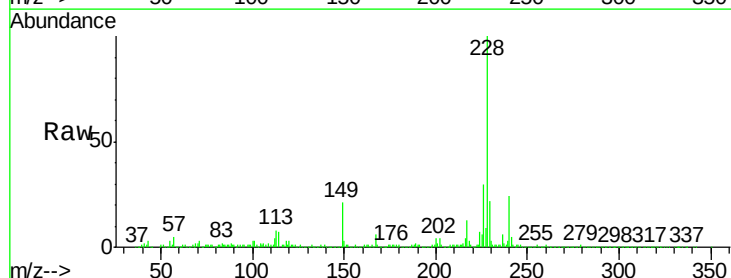
RT: 13.84 min Scan# 1028

Delta R.T. -0.00 min

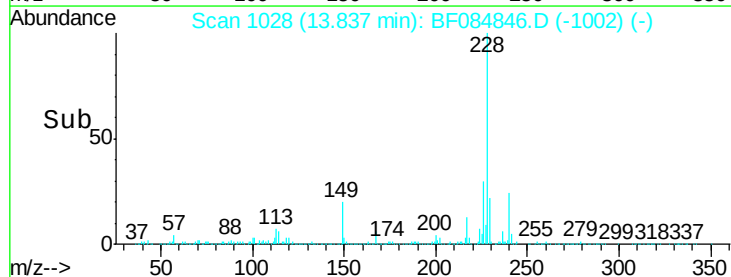
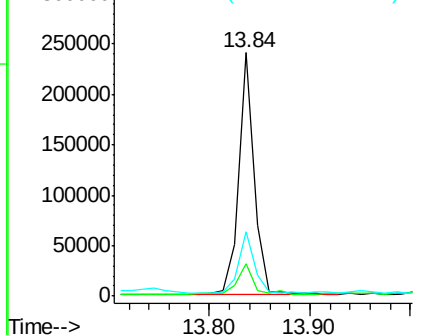
Lab File: BF084846.D

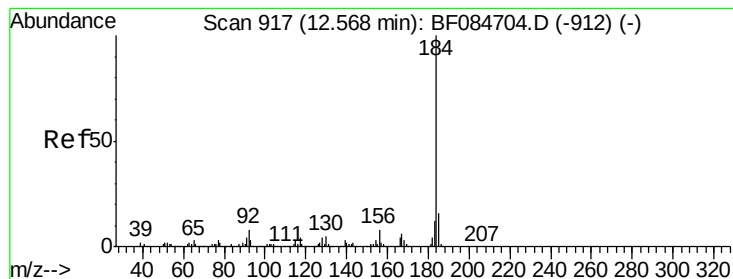
Acq: 4 Feb 2016 23:28

Tgt Ion:	240	Resp:	258016
Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.4	20.6	31.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 24.23 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

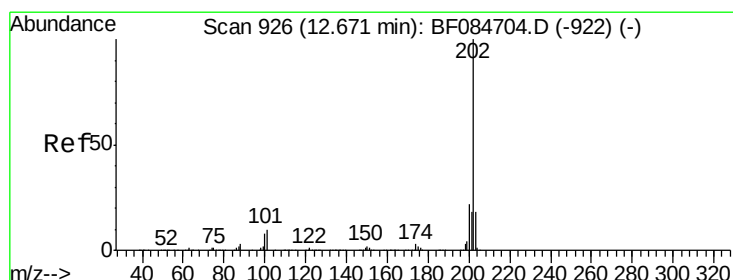
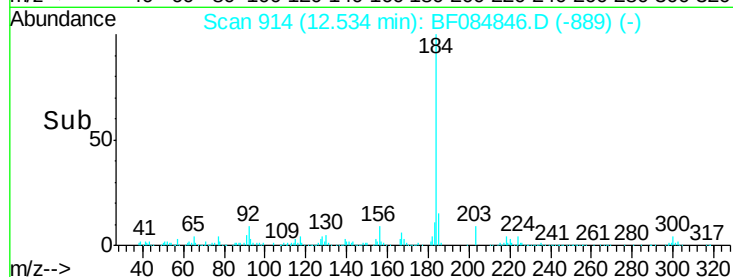
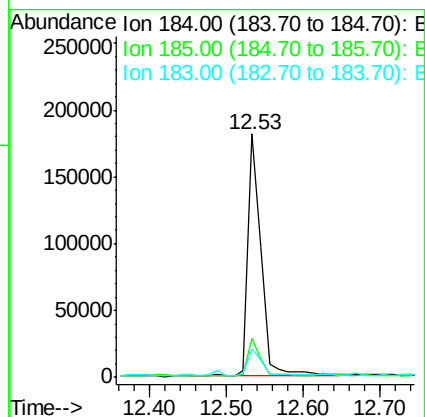
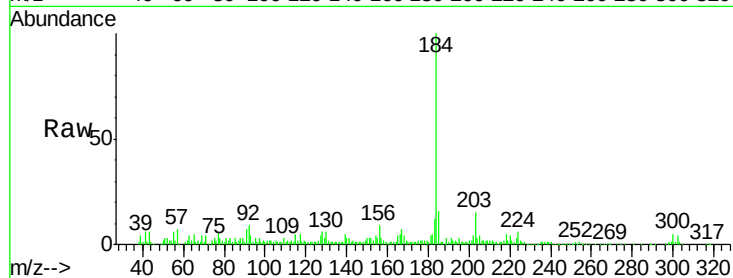
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	184	Resp:	213483
Ion Ratio	Lower	Upper	
184	100		
185	15.9	12.2	18.2
183	11.7	9.8	14.8

Manual Integrations
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#77

Pyrene

Concen: 198.34 ng

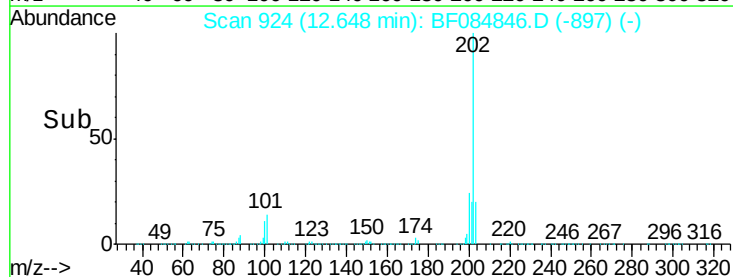
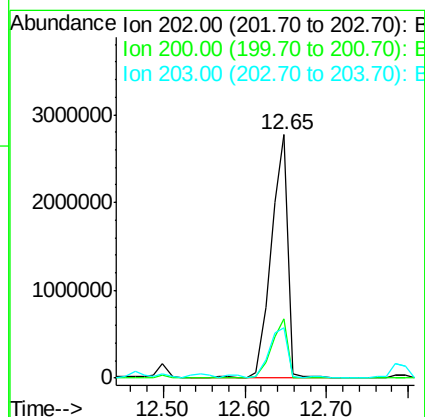
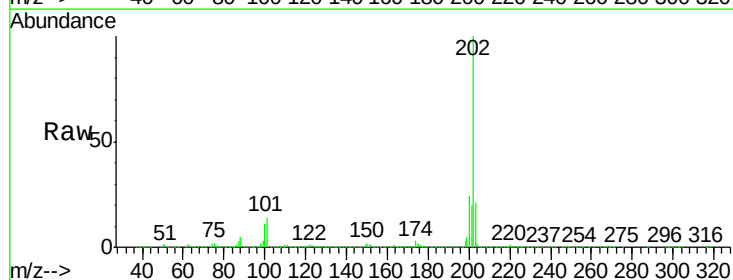
RT: 12.65 min Scan# 924

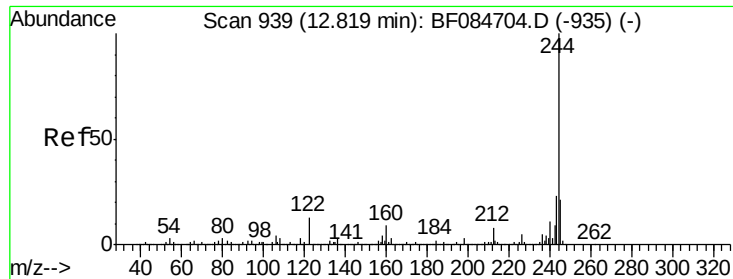
Delta R.T. 0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	202	Resp:	3918189
Ion Ratio	Lower	Upper	
202	100		
200	24.3	17.2	25.8
203	20.6	14.3	21.5





#78

Terphenyl-d14

Concen: 85.16 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

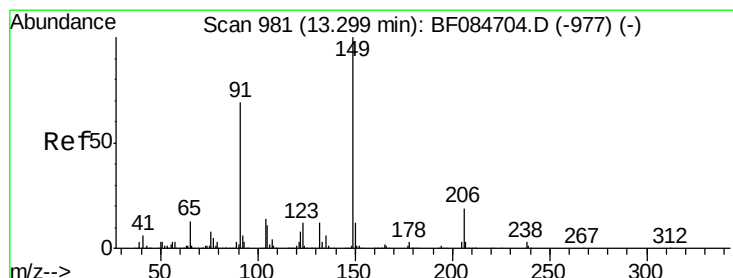
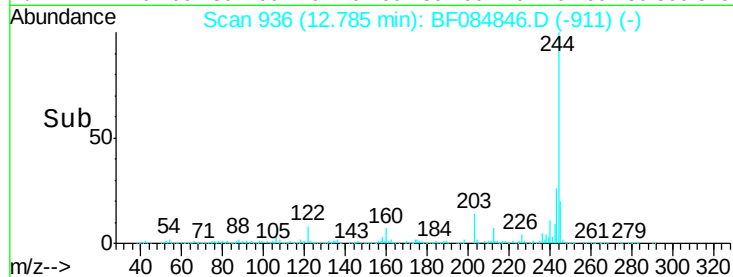
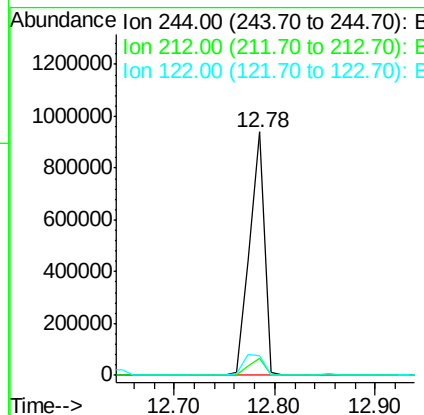
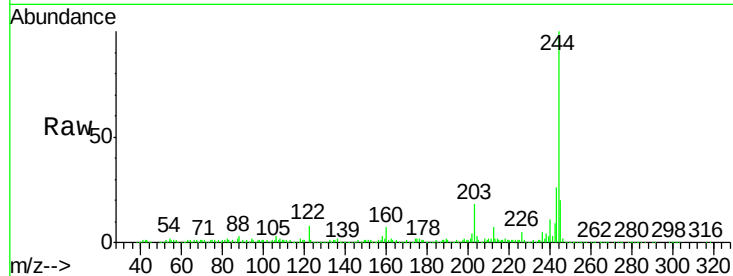
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion:	244	Resp:	969640
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	8.3	7.4	11.0

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#79

Butylbenzylphthalate

Concen: 45.56 ng

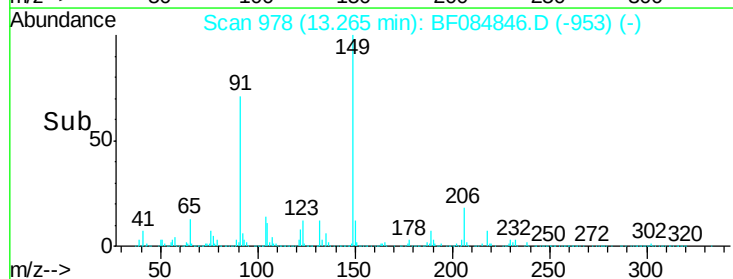
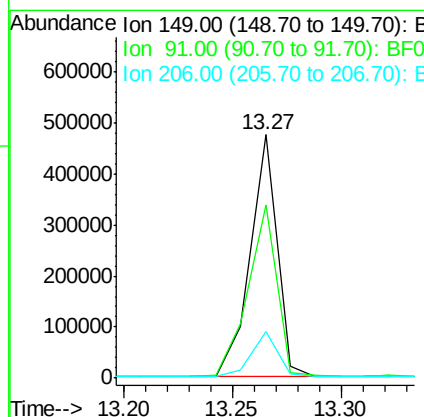
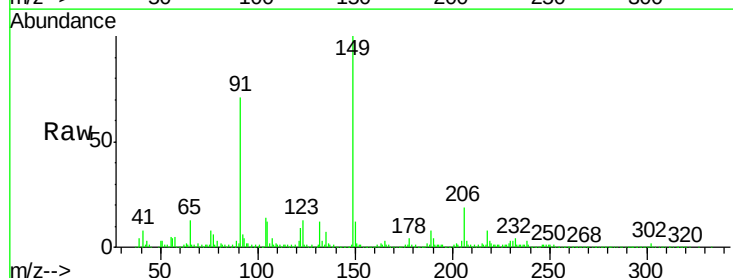
RT: 13.27 min Scan# 978

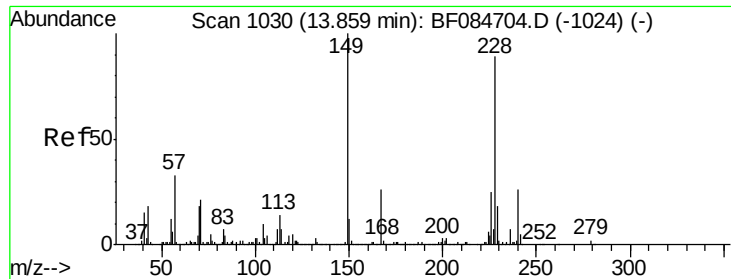
Delta R.T. -0.01 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Tgt Ion:	149	Resp:	408276
Ion Ratio	Lower	Upper	
149	100		
91	71.2	57.6	86.4
206	18.9	13.2	19.8





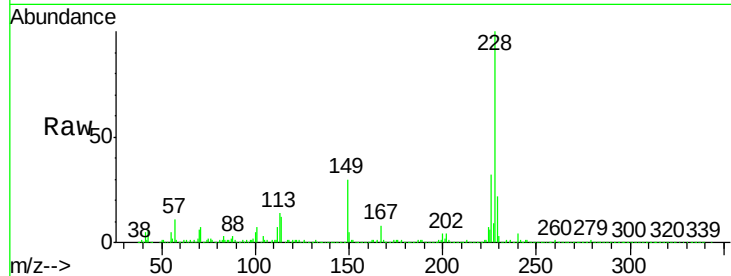
#80
Benzo(a)anthracene
Concen: 152.84 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

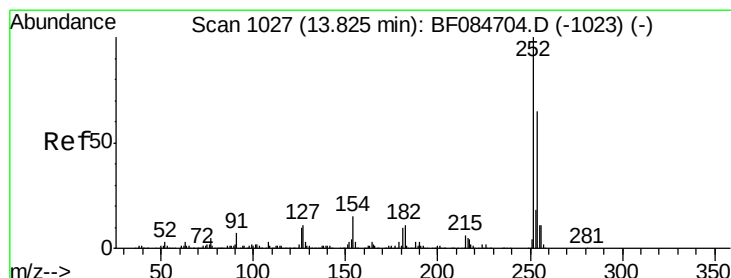
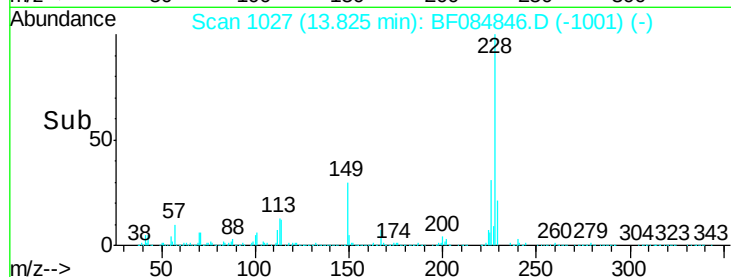
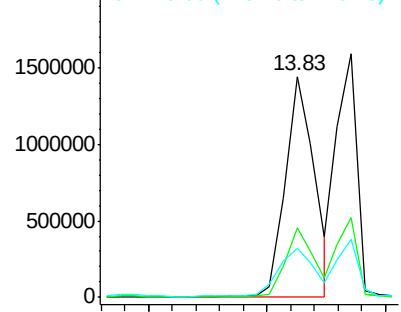
Tot Ion:228 Resp: 2447638
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.6
229 22.3 15.8 23.8

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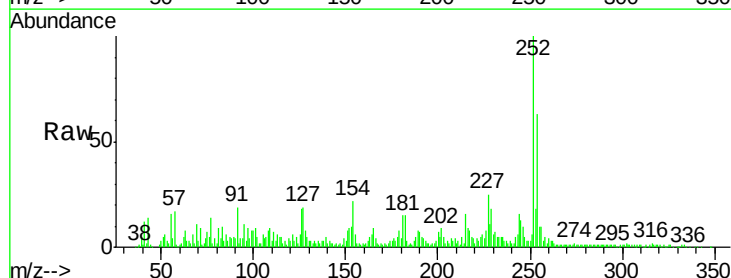


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

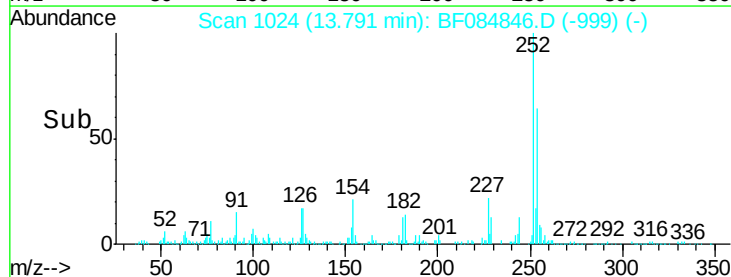
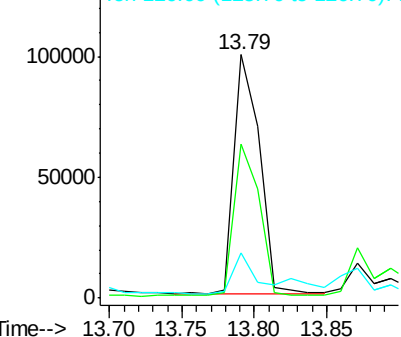


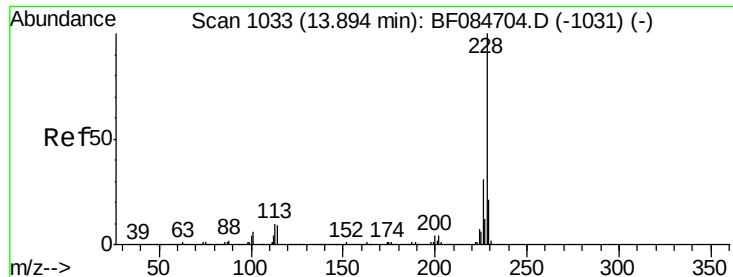
#81
3,3'-Dichlorobenzidine
Concen: 21.18 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion:252 Resp: 120085
Ion Ratio Lower Upper
252 100
254 63.3 53.5 80.3
126 18.4 4.9 7.3#



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





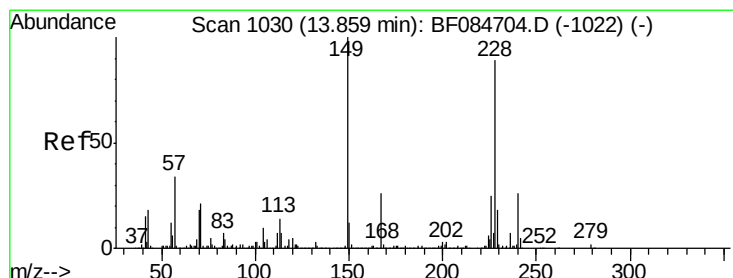
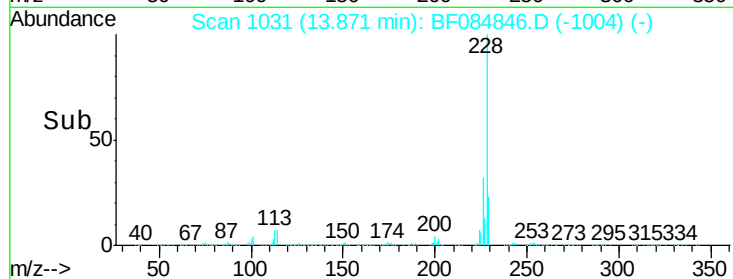
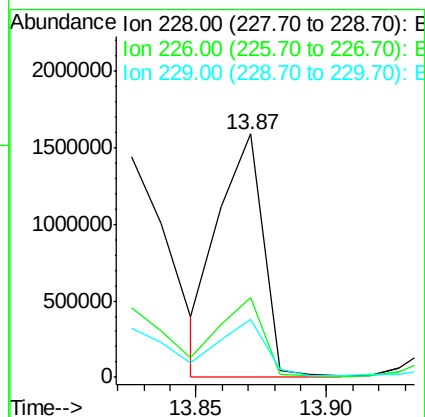
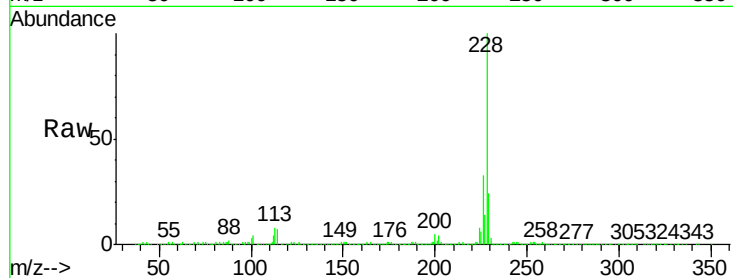
#82
 Chrysene
 Concen: 121.39 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Instrument :
 BNA_F
 ClientSampleId :
 S4-B019(11-13)MSD

Tot Ion:	228	Resp:	1885109
Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.3	36.5
229	23.7	16.1	24.1

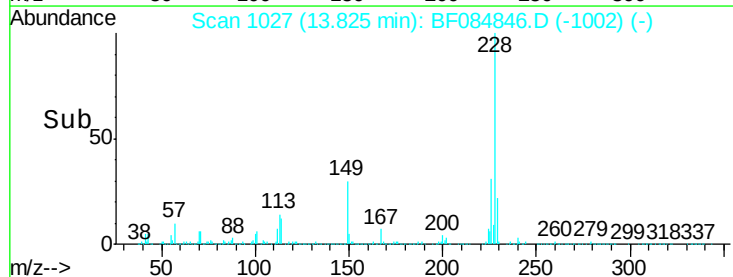
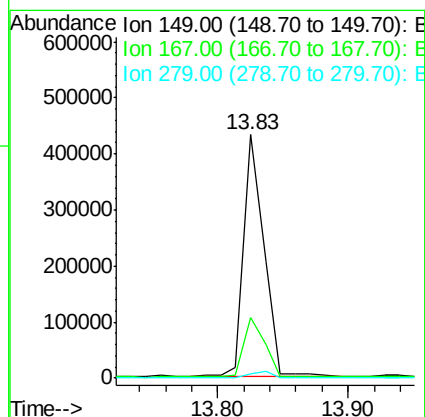
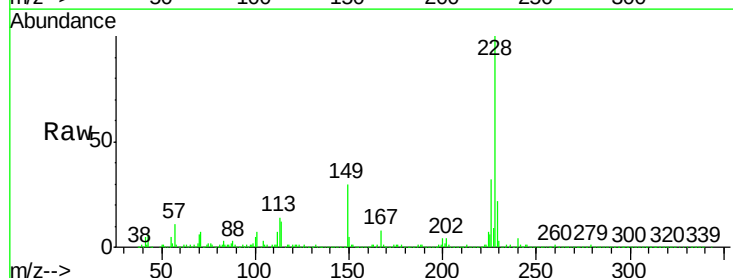
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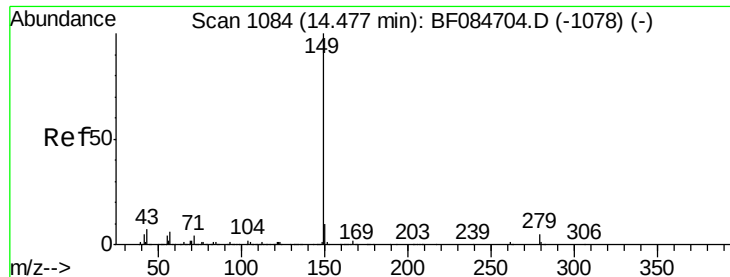
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.31 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BF084846.D
 Acq: 4 Feb 2016 23:28

Tgt Ion:	149	Resp:	460660
Ion	Ratio	Lower	Upper
149	100		
167	25.0	19.7	29.5
279	2.0	1.8	2.6





#84

Di-n-octyl phthalate

Concen: 49.15 ng

RT: 14.44 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

Instrument :

BNA_F

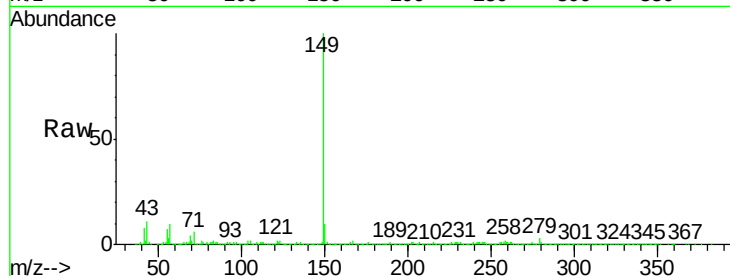
ClientSampleId :

S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8#
43	12.4	5.6	8.4#

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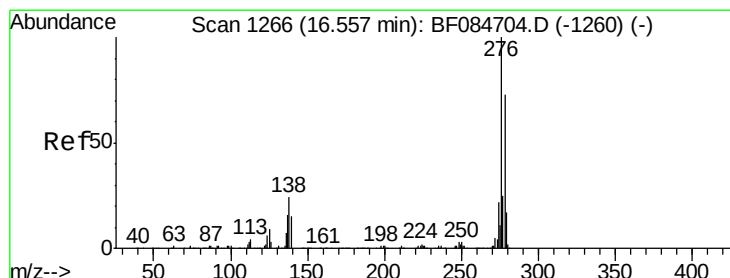
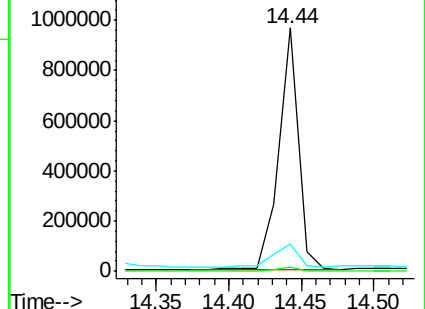
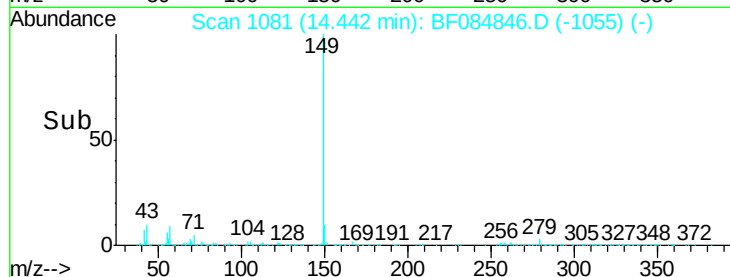
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 139.98 ng

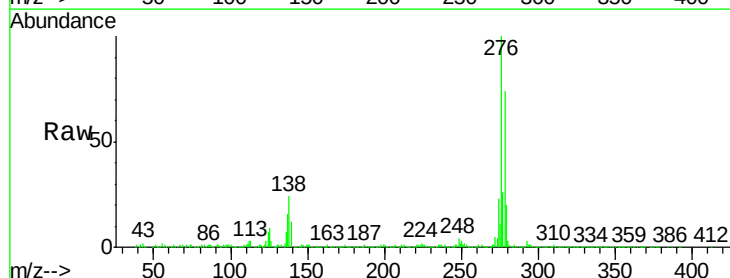
RT: 16.53 min Scan# 1264

Delta R.T. 0.03 min

Lab File: BF084846.D

Acq: 4 Feb 2016 23:28

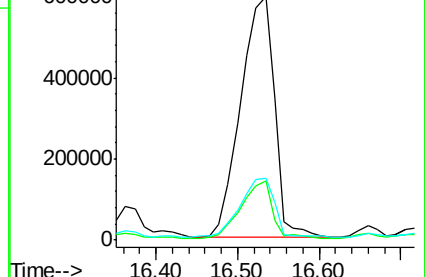
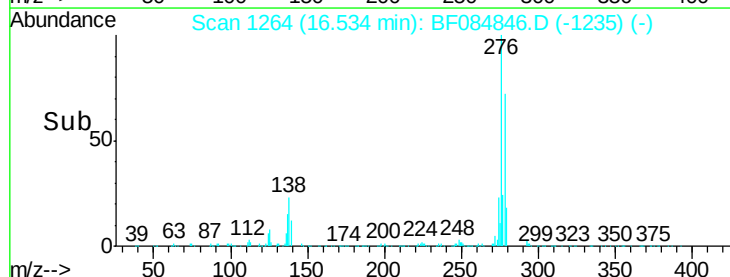
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.6	30.8
277	24.8	20.1	30.1

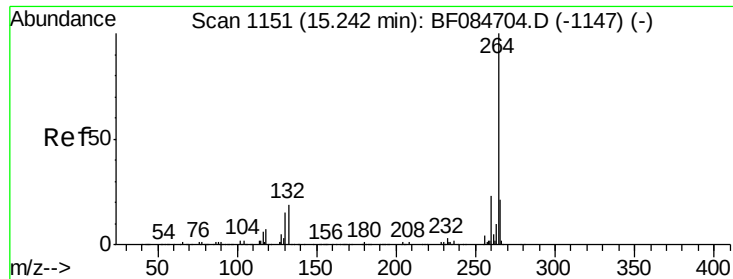


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





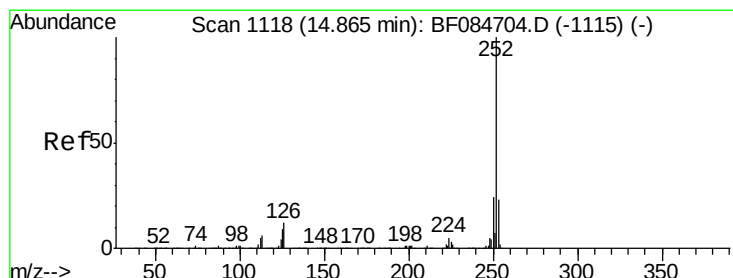
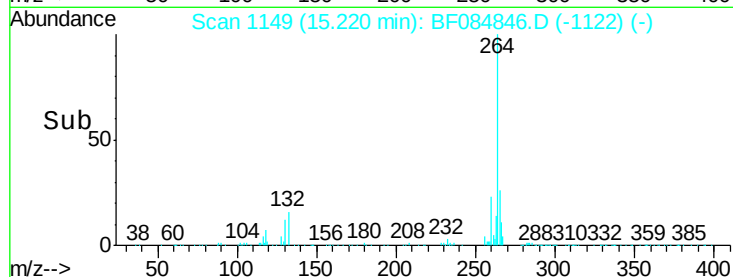
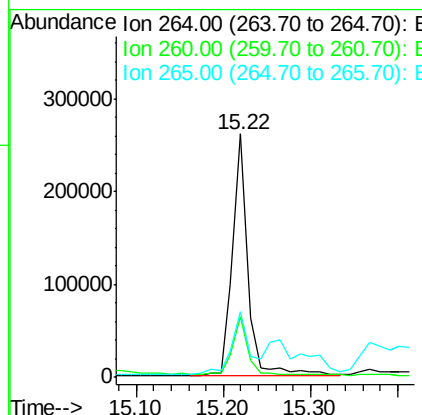
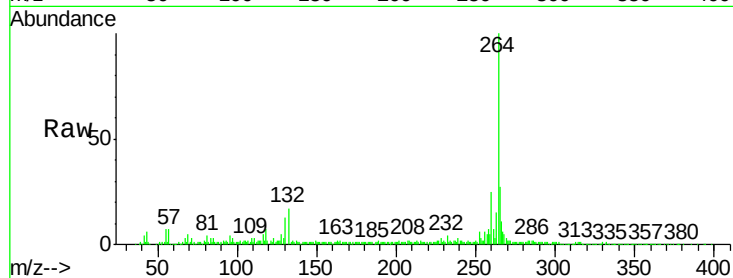
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	26.9	17.8	26.6#

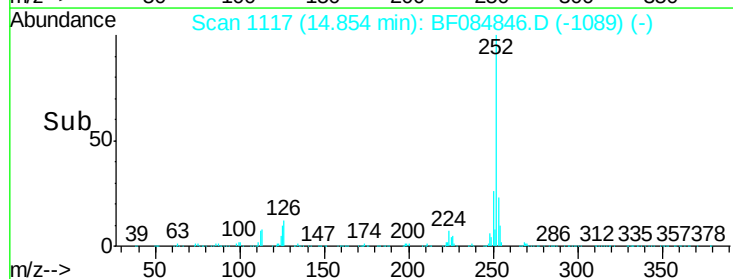
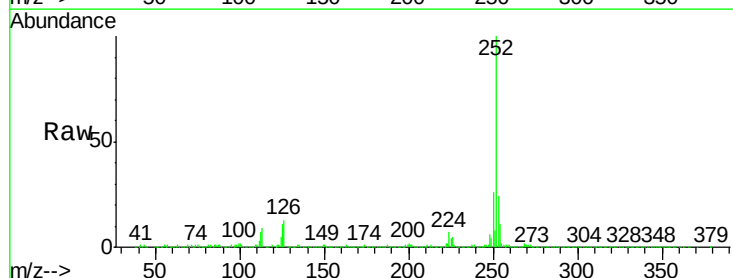
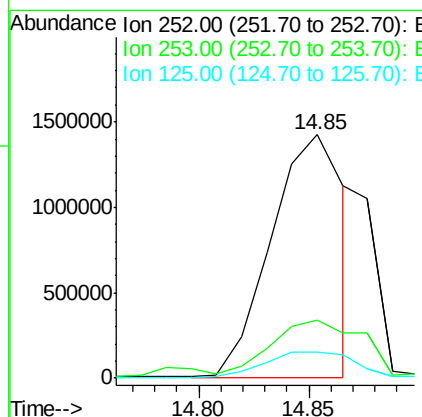
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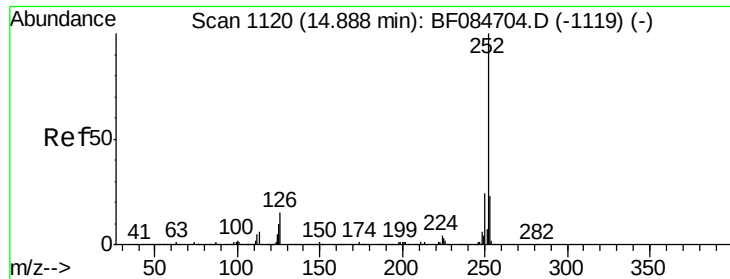
mohammad
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#87
Benzo(b)fluoranthene
Concen: 151.63 ng m
RT: 14.85 min Scan# 1117
Delta R.T. 0.02 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	10.7	6.5	9.7#





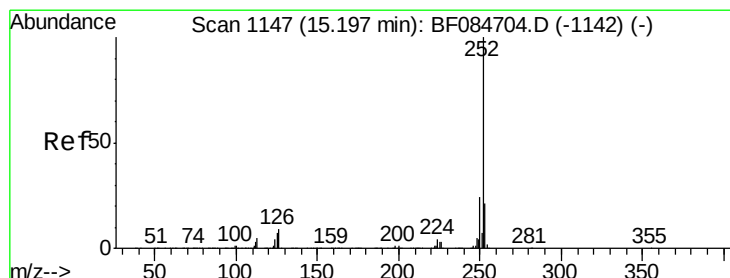
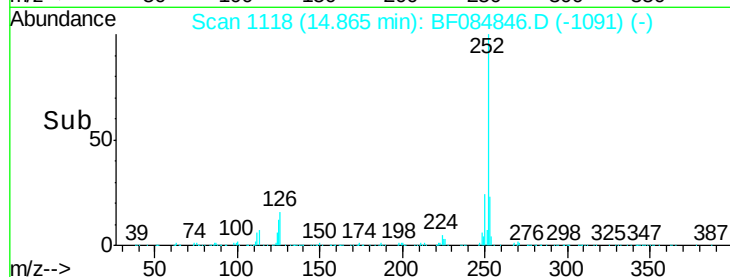
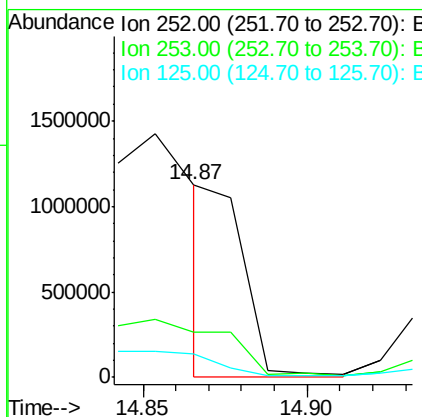
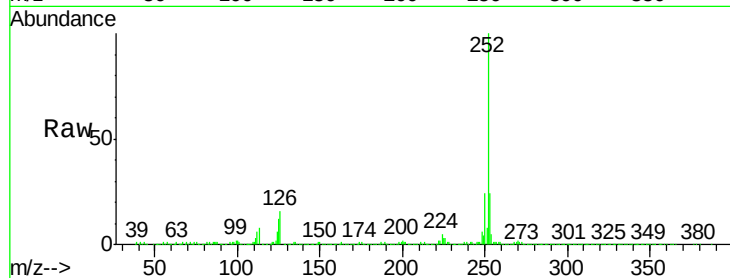
#88
Benzo(k)fluoranthene
Concen: 43.37 ng m
RT: 14.87 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.1	9.0	13.6

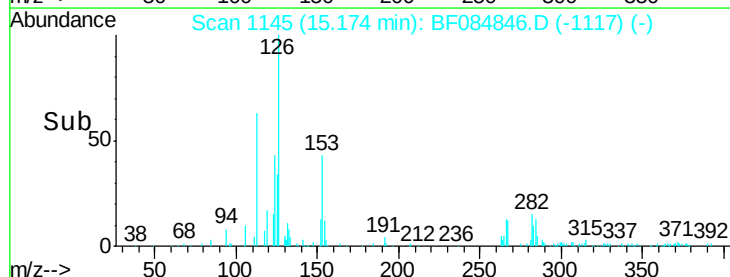
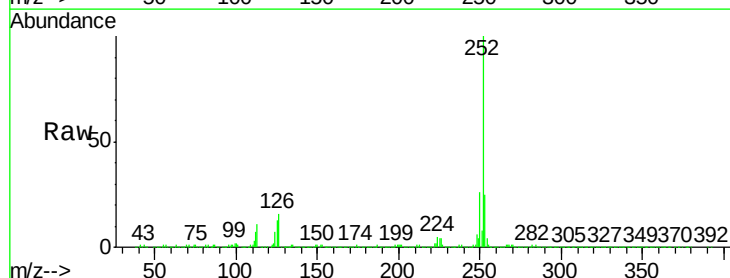
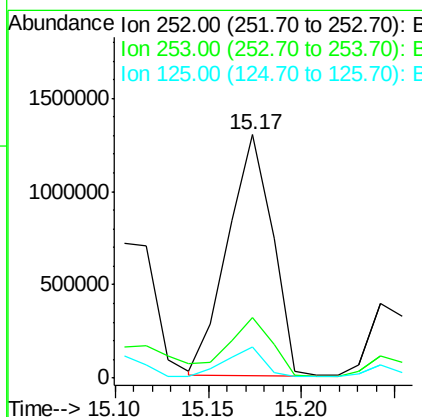
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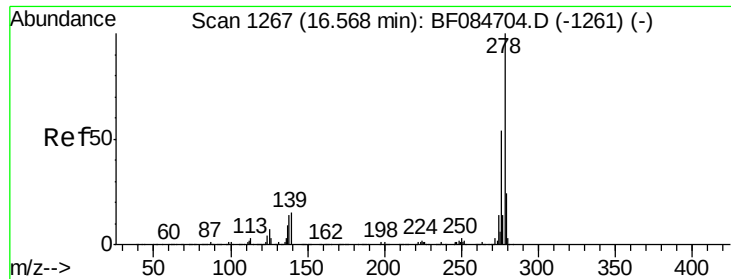
mohammad
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#89
Benzo(a)pyrene
Concen: 117.66 ng
RT: 15.17 min Scan# 1145
Delta R.T. 0.02 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	12.6	7.0	10.4





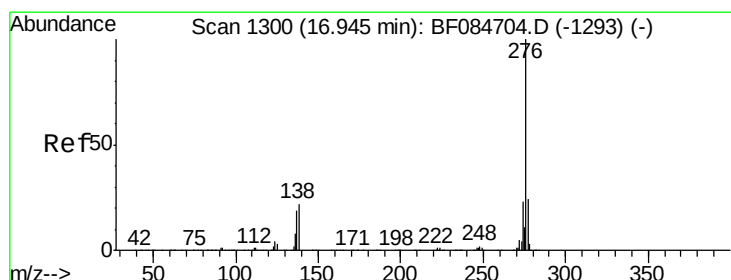
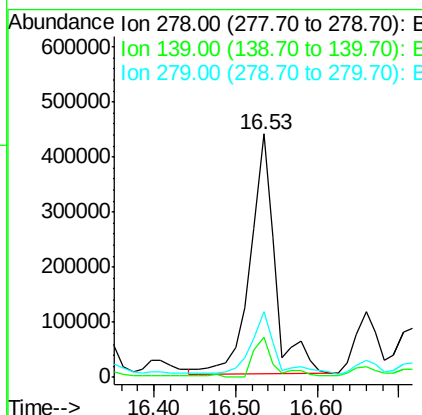
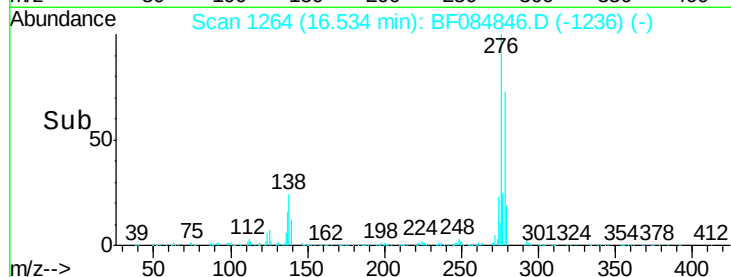
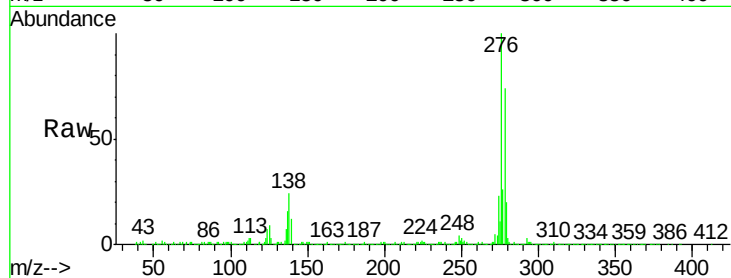
#90
Dibenzo(a,h)anthracene
Concen: 58.62 ng
RT: 16.53 min Scan# 1264
Delta R.T. 0.02 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Instrument :
BNA_F
ClientSampleId :
S4-B019(11-13)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.0	22.4
279	27.0	18.9	28.3

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#91
Benzo(g,h,i)perylene
Concen: 100.95 ng
RT: 16.92 min Scan# 1298
Delta R.T. 0.03 min
Lab File: BF084846.D
Acq: 4 Feb 2016 23:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	21.2	17.8	26.6

