

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084194.D
 Acq On : 31 Dec 2015 14:56
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations
 APPROVED

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 1/4/2016 4:28:42 PM

Quant Time: Jan 04 11:51:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	301679	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1252736	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	584968	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1139262	20.00	ng	0.00
75) Chrysene-d12	14.05	240	813872	20.00	ng	-0.01
86) Perylene-d12	15.49	264	601518	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2034555	109.08	ng	0.01
7) Phenol-d6	6.53	99	3020026	128.93	ng	0.00
23) Nitrobenzene-d5	7.46	82	1751732	77.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	653902	110.72	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2704900	81.05	ng	0.00
78) Terphenyl-d14	13.01	244	2587671	70.97	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.60	88	9407	1.06	ng	# 72
3) Pyridine	3.50	79	11155m	0.45	ng	
4) n-Nitrosodimethylamine	3.31	42	11245m	0.89	ng	
6) Aniline	6.56	93	21893	0.64	ng	# 81
8) 2-Chlorophenol	6.68	128	23799	1.12	ng	90
9) Benzaldehyde	6.44	77	16387	1.07	ng	86
10) Phenol	6.54	94	15104	0.57	ng	79
11) bis(2-Chloroethyl)ether	6.64	93	21642	1.05	ng	90
12) 1,3-Dichlorobenzene	6.84	146	22044	1.01	ng	98
13) 1,4-Dichlorobenzene	6.92	146	19525m	0.89	ng	
14) 1,2-Dichlorobenzene	7.07	146	19926	0.95	ng	91
15) Benzyl Alcohol	7.06	79	49840	2.53	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	7.18	45	35297	0.94	ng	84
17) 2-Methylphenol	7.15	107	14281	0.81	ng	92
18) Hexachloroethane	7.41	117	6788	0.78	ng	91
19) n-Nitroso-di-n-propylamine	7.31	70	14536	0.92	ng	# 76
20) 3+4-Methylphenols	7.30	107	20599	0.99	ng	# 79
22) Acetophenone	7.31	105	29369	0.97	ng	# 92
24) Nitrobenzene	7.48	77	25826	1.13	ng	98
25) Isophorone	7.72	82	37766m	0.88	ng	
26) 2-Nitrophenol	7.80	139	7191	0.69	ng	94
27) 2,4-Dimethylphenol	7.84	122	16017m	0.76	ng	
28) bis(2-Chloroethoxy)methane	7.94	93	22024	0.84	ng	# 98
29) 2,4-Dichlorophenol	8.04	162	14055	0.80	ng	91
30) 1,2,4-Trichlorobenzene	8.12	180	16958	0.94	ng	# 89
31) Naphthalene	8.20	128	55481	0.98	ng	100
32) Benzoic acid	7.86	122	1576m	6.35	ng	
33) 4-Chloroaniline	8.25	127	19308	0.74	ng	95
34) Hexachlorobutadiene	8.33	225	9454	0.91	ng	97
35) Caprolactam	8.58	113	4303	0.73	ng	# 70
36) 4-Chloro-3-methylphenol	8.73	107	17216	0.88	ng	99
37) 2-Methylnaphthalene	8.90	142	41590	1.02	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	15476	0.92	ng	97
40) Hexachlorocyclopentadiene	9.06	237	6444	0.63	ng	94

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Quant Time: Jan 04 11:51:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	10734	0.85	nq	93
43) 2,4,5-Trichlorophenol	9.21	196	9220	0.76	nq	# 86
45) 1,1'-Biphenyl	9.37	154	44956	0.97	nq	97
46) 2-Chloronaphthalene	9.39	162	35418	0.97	nq	# 85
47) 2-Nitroaniline	9.47	65	7773	0.64	nq	88
48) Acenaphthylene	9.80	152	56708	1.05	nq	98
49) Dimethylphthalate	9.65	163	40408	0.97	nq	# 89
50) 2,6-Dinitrotoluene	9.72	165	5786	0.63	nq	92
51) Acenaphthene	9.97	154	37586	1.04	nq	98
52) 3-Nitroaniline	9.88	138	7661	0.67	nq	# 96
54) Dibenzofuran	10.14	168	54748	Below	Cal	97
55) 4-Nitrophenol	10.03	139	3826	0.46	nq	# 65
56) 2,4-Dinitrotoluene	10.11	165	6229	0.54	nq	# 24
57) Fluorene	10.49	166	42873	Below	Cal	93
58) 2,3,4,6-Tetrachlorophenol	10.26	232	7904	0.77	nq	# 85
59) Diethylphthalate	10.36	149	43723	1.06	nq	99
60) 4-Chlorophenyl-phenylether	10.49	204	16972	Below	Cal	# 82
61) 4-Nitroaniline	10.49	138	7129	0.70	nq	93
62) Azobenzene	10.64	77	40913	0.90	nq	81
64) 4,6-Dinitro-2-methylphenol	10.52	198	712	6.50	nq	# 57
65) n-Nitrosodiphenylamine	10.60	169	31459	0.86	nq	97
66) 4-Bromophenyl-phenylether	10.97	248	10273	0.84	nq	# 62
67) Hexachlorobenzene	11.04	284	13236	0.96	nq	# 94
68) Atrazine	11.12	200	9958	0.84	nq	92
69) Pentachlorophenol	11.23	266	1098	0.15	nq	# 83
70) Phenanthrene	11.45	178	66832	1.12	nq	99
71) Anthracene	11.49	178	61210	1.05	nq	98
72) Carbazole	11.65	167	51281	0.90	nq	96
73) Di-n-butylphthalate	12.00	149	58235	Below	Cal	99
74) Fluoranthene	12.64	202	57937	0.93	nq	92
76) Benzidine	12.75	184	18896	0.65	nq	# 93
77) Pyrene	12.87	202	59020	0.92	nq	95
79) Butylbenzylphthalate	13.48	149	18676	0.68	nq	85
80) Benzo(a)anthracene	14.04	228	43572	0.91	nq	96
81) 3,3'-Dichlorobenzidine	14.01	252	7503	0.45	nq	# 92
82) Chrysene	14.09	228	42554	0.93	nq	97
83) Bis(2-ethylhexyl)phthalate	14.05	149	28830	0.83	nq	94
84) Di-n-octyl phthalate	14.66	149	39893	0.68	nq	# 75
85) Indeno(1,2,3-cd)pyrene	16.91	276	27809	0.76	nq	97
87) Benzo(b)fluoranthene	15.08	252	32511	0.83	nq	97
88) Benzo(k)fluoranthene	15.11	252	28359m	0.88	nq	
89) Benzo(a)pyrene	15.44	252	28130	0.84	nq	99
90) Dibenzo(a,h)anthracene	16.93	278	23459	0.82	nq	95
91) Benzo(g,h,i)perylene	17.33	276	25268	0.85	nq	98

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

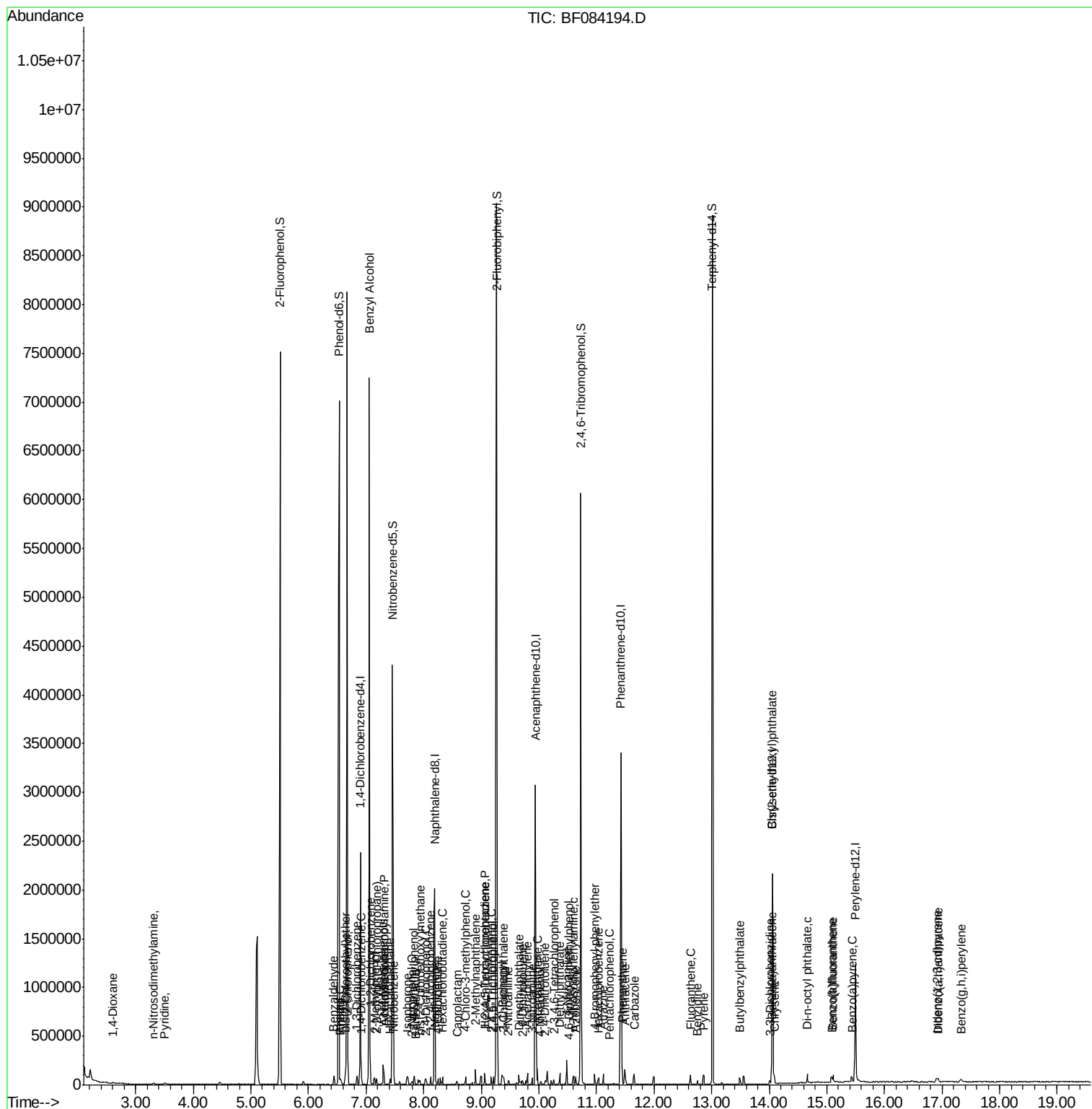
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Sample    : G4825-03  
Misc      :  
ALS Vial  : 13      Sample Multiplier: 1
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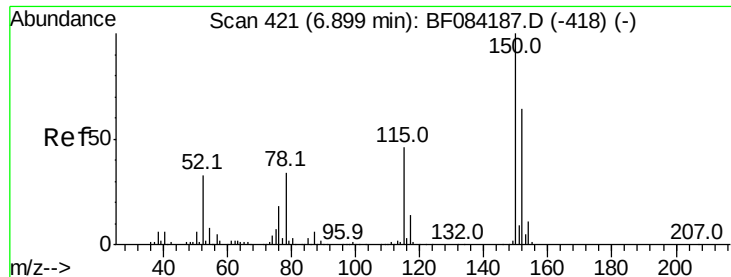
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

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#1

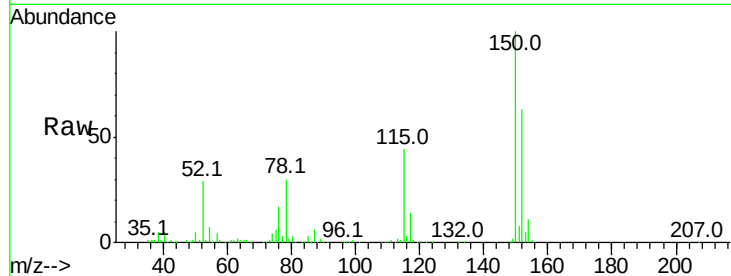
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.0	184.4
115	69.0	51.4	77.2

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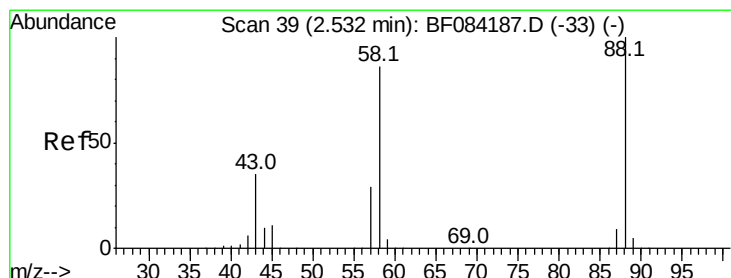
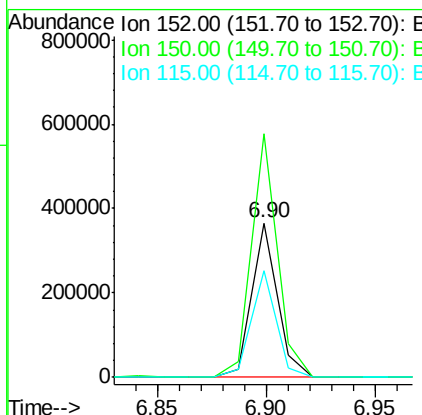
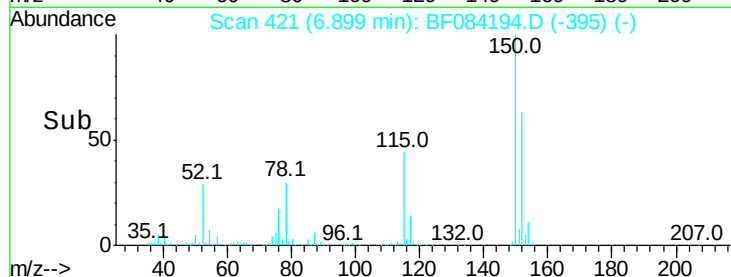


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

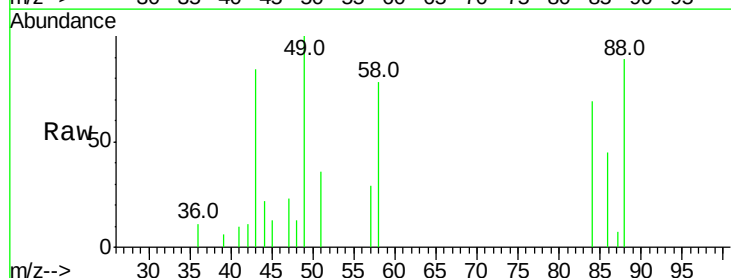
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 1.06 ng
RT: 2.60 min Scan# 45
Delta R.T. 0.07 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.0	51.2	76.8#
43	47.8	19.5	29.3#

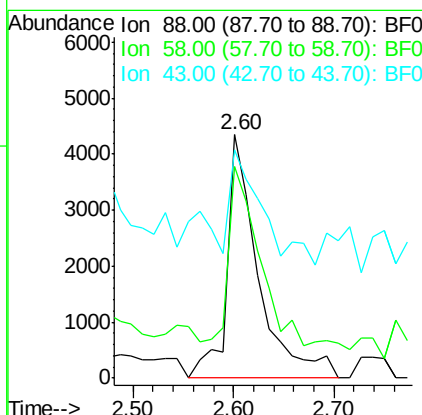
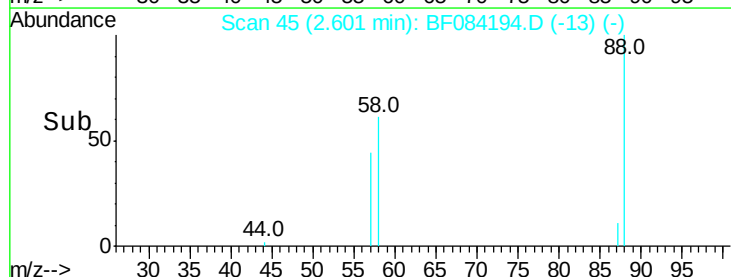


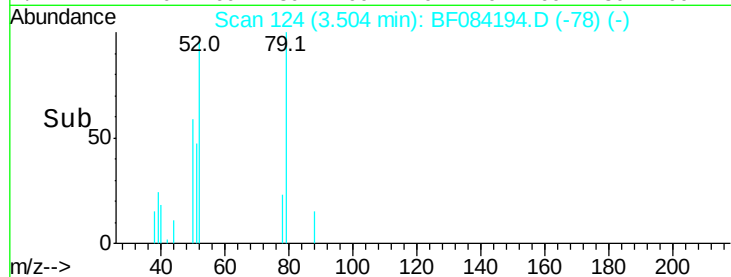
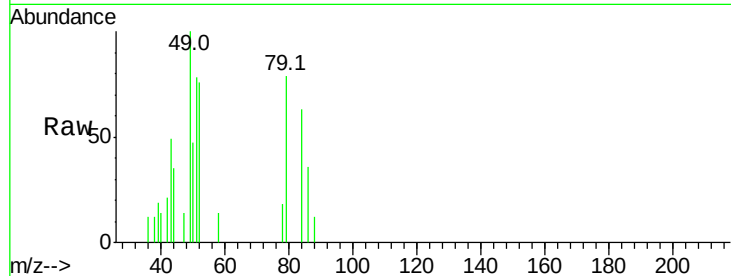
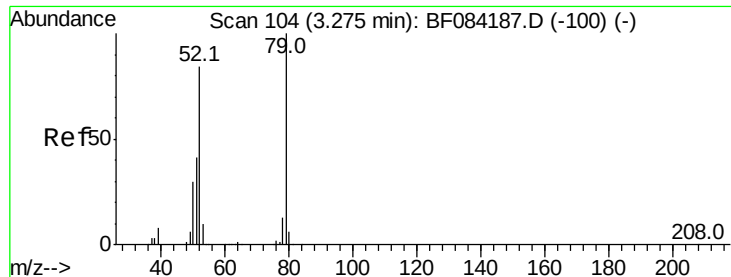
Abundance

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





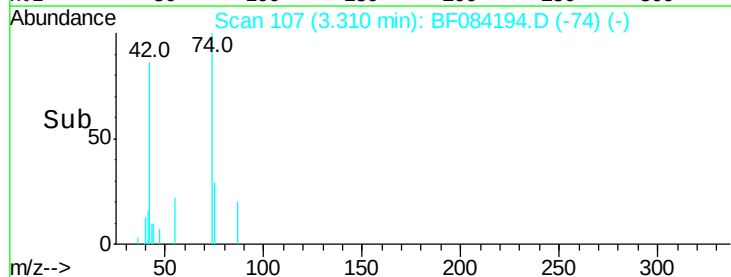
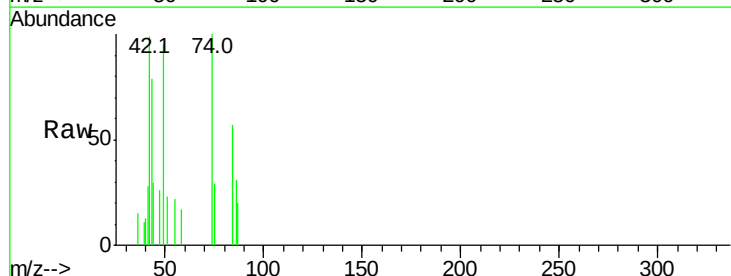
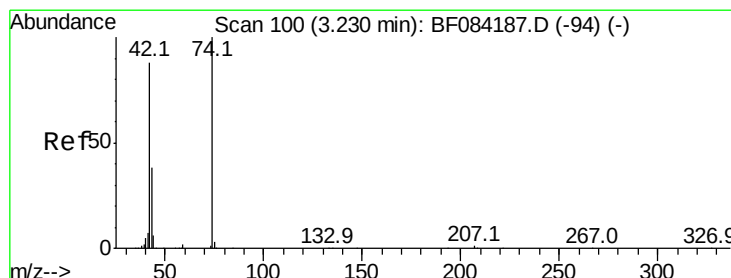
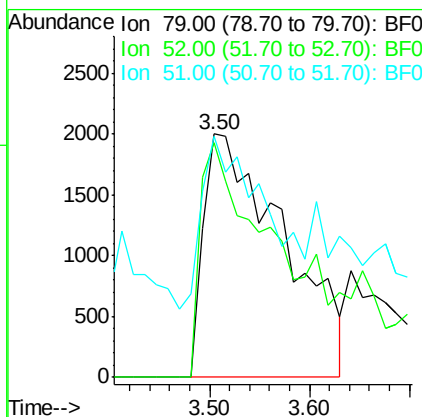
#3
Pvridine
Concen: 0.45 ng m
RT: 3.50 min Scan# 124
Delta R.T. 0.23 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tot Ion	Ratio	Lower	Upper
79	100		
52	96.3	49.0	73.4#
51	99.3	25.2	37.8#

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

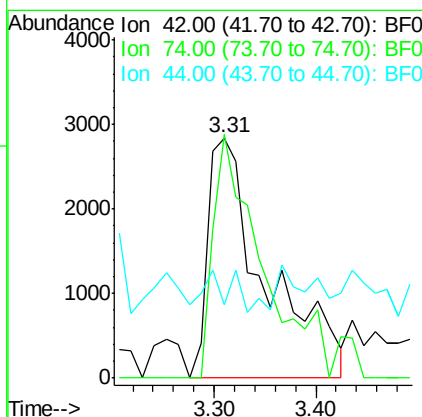
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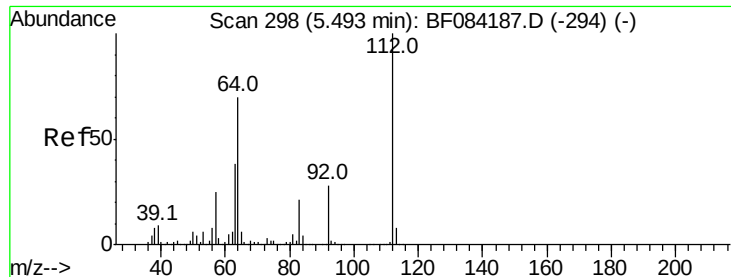
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#4
n-Nitrosodimethylamine
Concen: 0.89 ng m
RT: 3.31 min Scan# 107
Delta R.T. 0.08 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
42	100		
74	101.3	115.7	173.5#
44	30.4	5.1	7.7#





#5

2-Fluorophenol

Concen: 109.08 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:112 Resp: 2034555

Ion Ratio Lower Upper

112 100

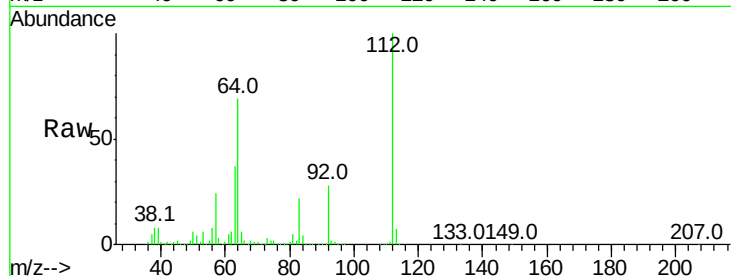
64 69.2 36.6 55.0#

63 37.3 19.4 29.0#

Manual Integrations
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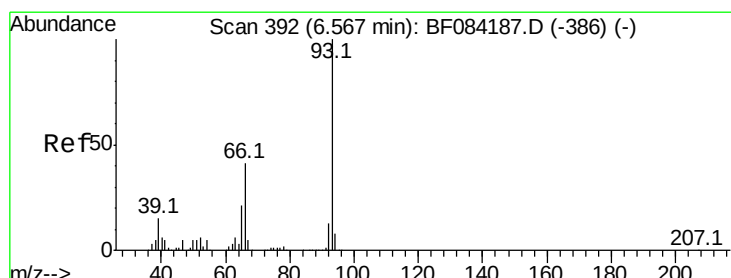
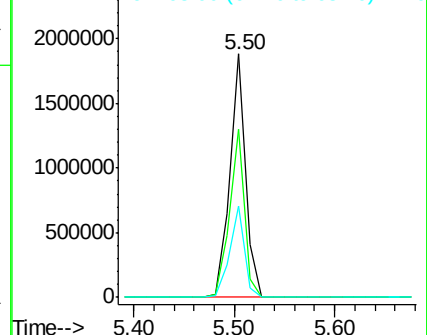
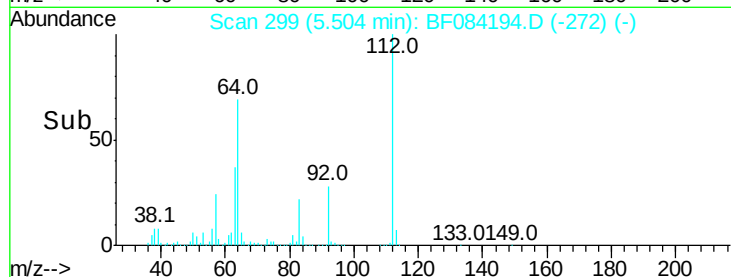
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.64 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

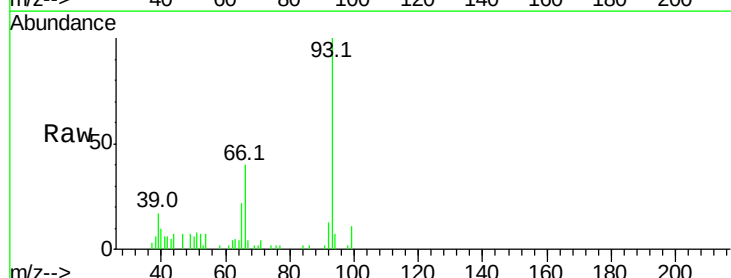
Tgt Ion: 93 Resp: 21893

Ion Ratio Lower Upper

93 100

66 40.4 44.9 67.3#

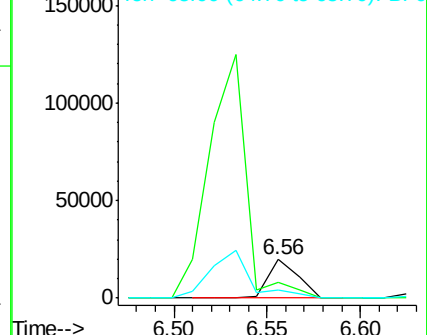
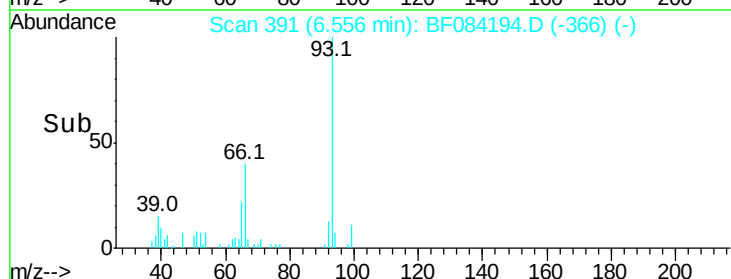
65 22.0 23.7 35.5#

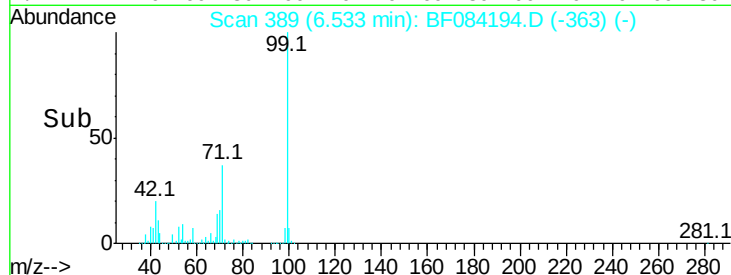
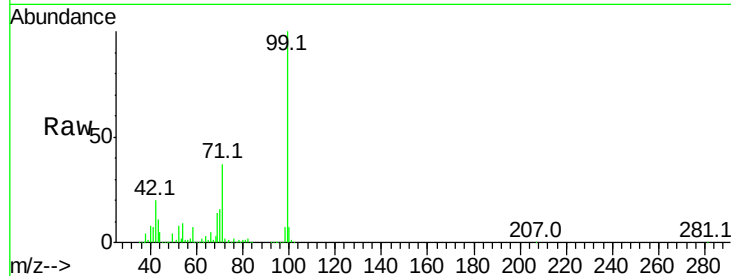
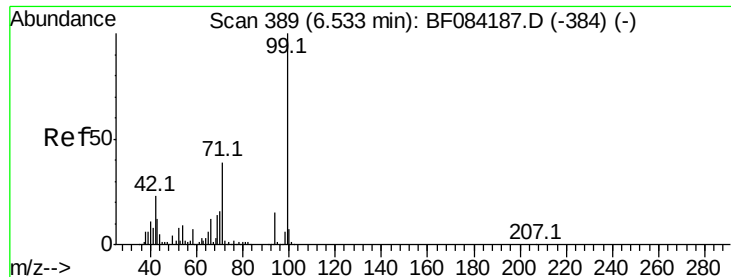


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.93 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tot Ion: 99 Resp: 3020026

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

71 37.2 30.9 46.3

Instrument :

BNA_F

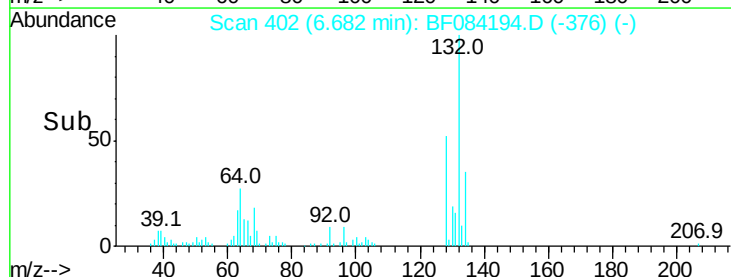
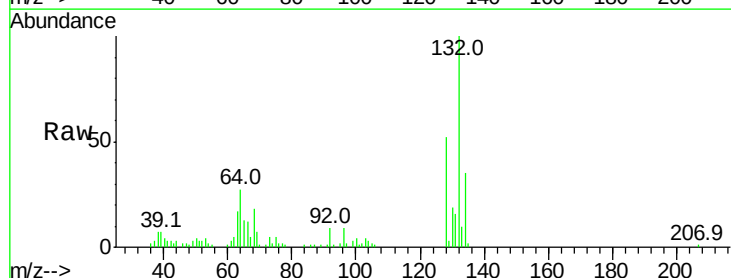
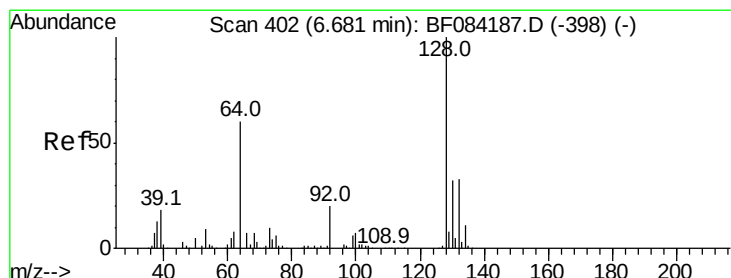
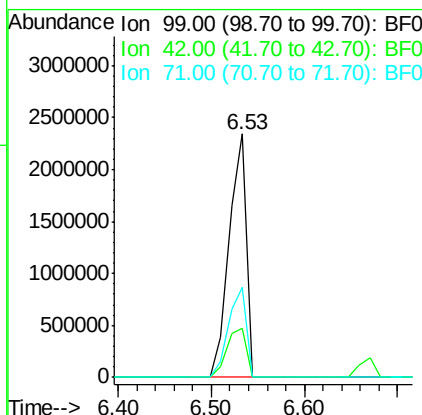
ClientSampleId :

LOD-SOIL2016-01

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#8

2-Chlorophenol

Concen: 1.12 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

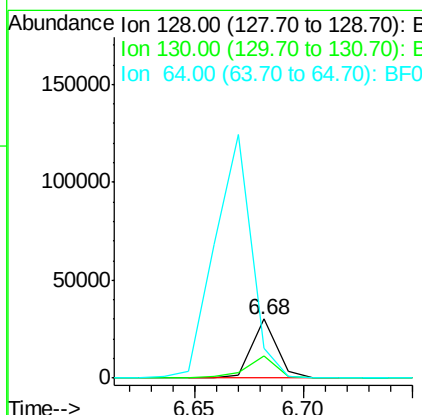
Tgt Ion:128 Resp: 23799

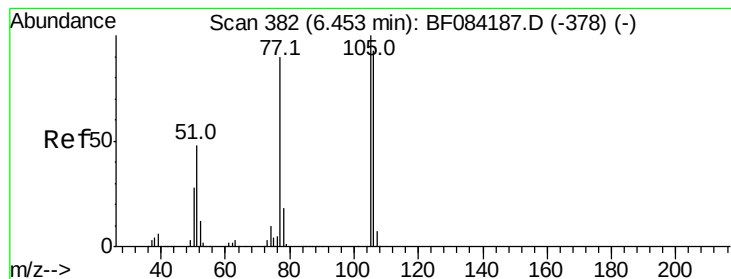
Ion Ratio Lower Upper

128 100

130 36.7 11.6 51.6

64 51.2 23.8 63.8





#9

Benzaldehyde

Concen: 1.07 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084194.D

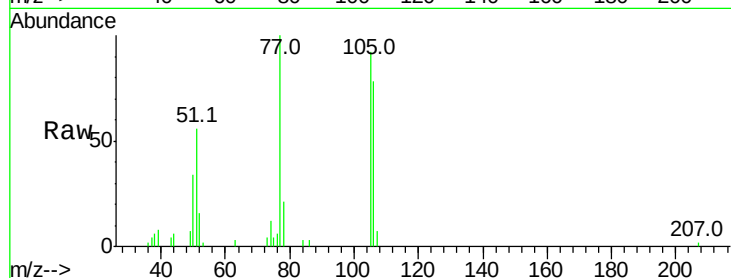
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

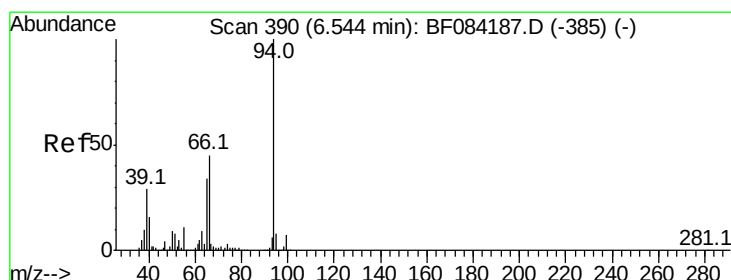
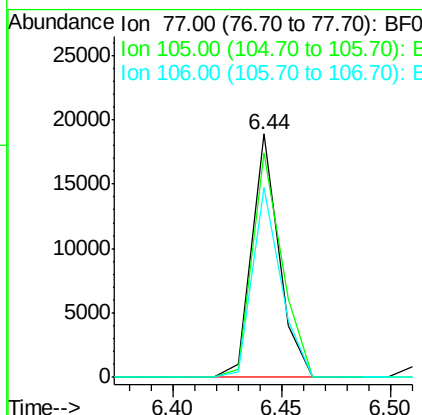
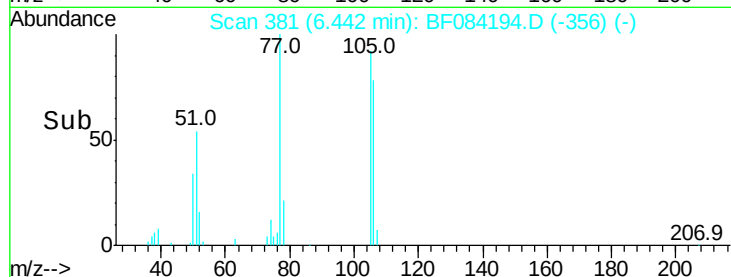
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Tot Ion:	77	Resp:	16387
Ion	Ratio	Lower	Upper
77	100		
105	92.3	83.0	123.0
106	78.1	74.6	114.6

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#10

Phenol

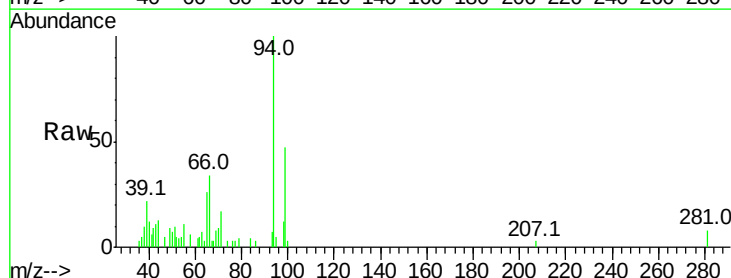
Concen: 0.57 ng

RT: 6.54 min Scan# 390

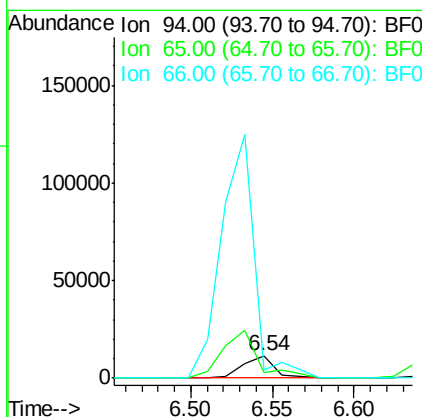
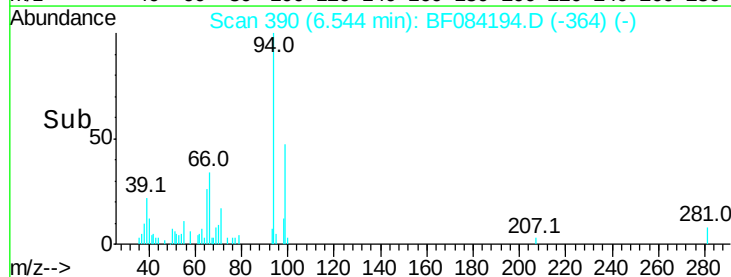
Delta R.T. 0.00 min

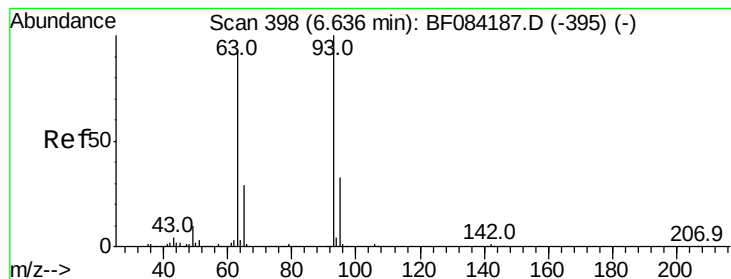
Lab File: BF084194.D

Acq: 31 Dec 2015 14:56



Tgt Ion:	94	Resp:	15104
Ion	Ratio	Lower	Upper
94	100		
65	26.4	12.9	52.9
66	34.2	32.7	72.7





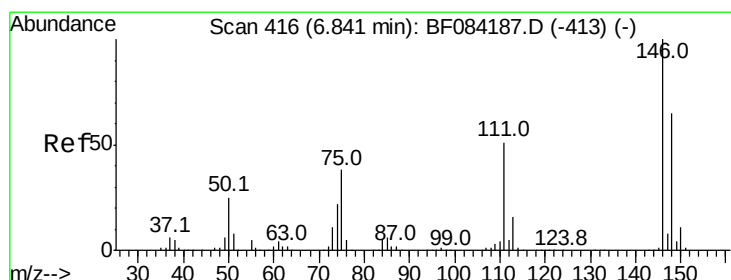
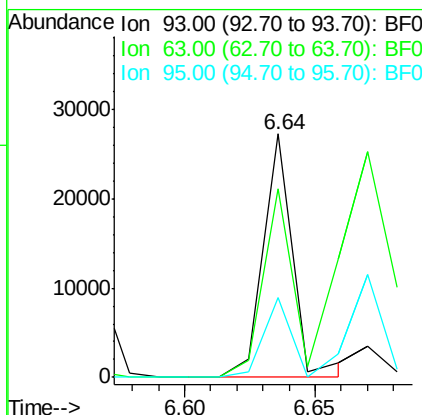
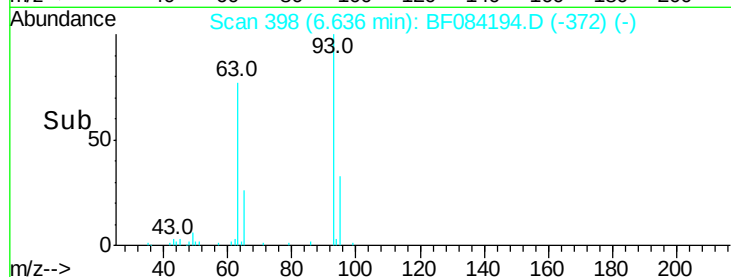
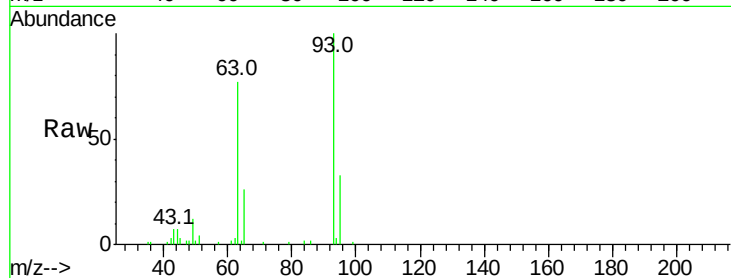
#11
bis(2-Chloroethyl)ether
Concen: 1.05 ng
RT: 6.64 min Scan# 398
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:	93	Resp:	21642
Ion Ratio	Lower	Upper	
93	100		
63	77.3	45.9	85.9
95	32.6	12.3	52.3

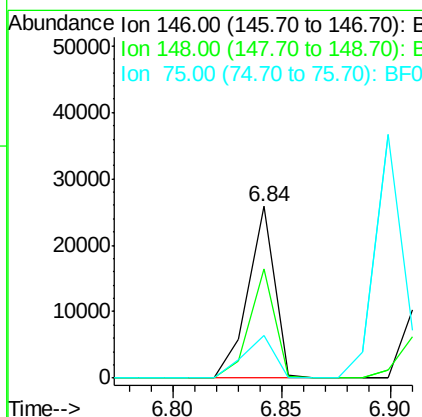
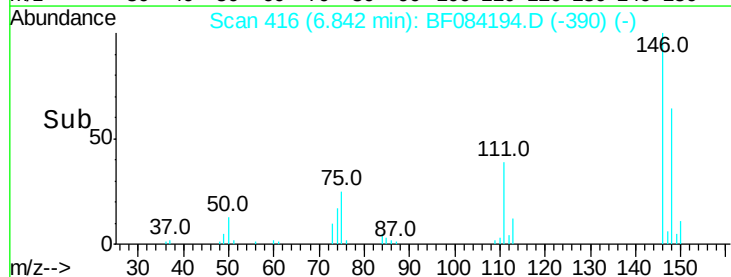
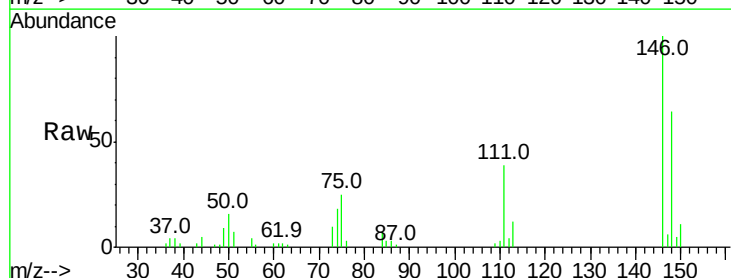
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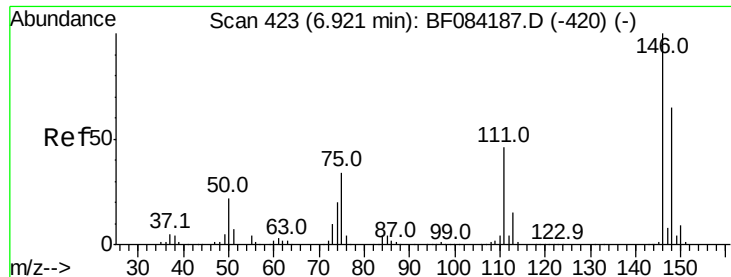
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#12
1,3-Dichlorobenzene
Concen: 1.01 ng
RT: 6.84 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion:	146	Resp:	22044
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.9	77.9
75	24.6	20.5	30.7





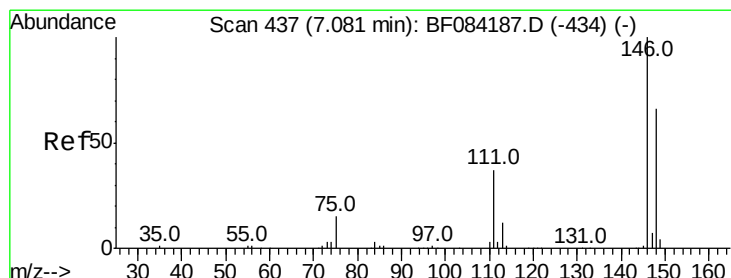
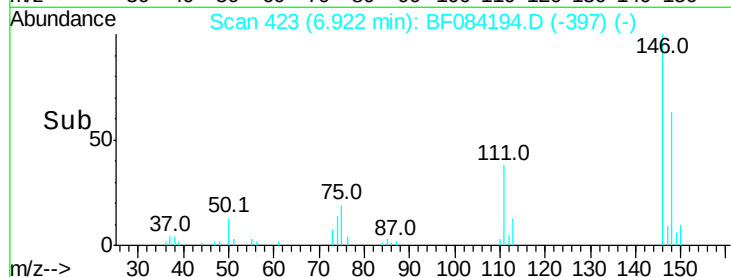
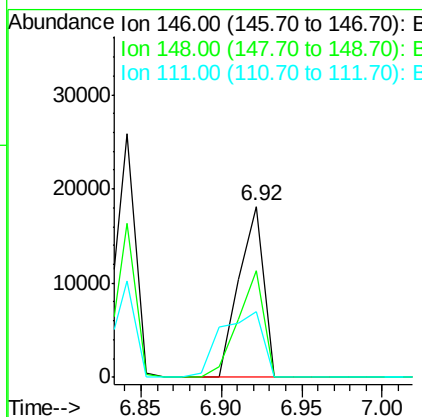
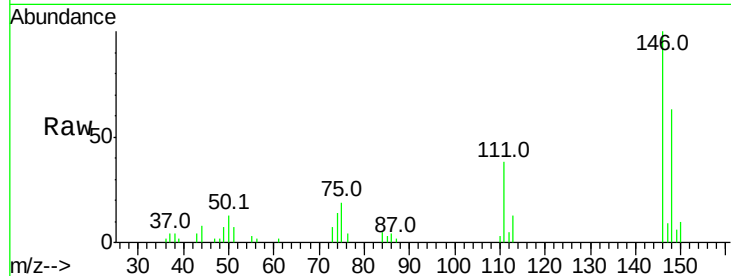
#13
 1,4-Dichlorobenzene
 Concen: 0.89 ng/mL
 RT: 6.92 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.9	77.9
111	38.3	41.6	62.4

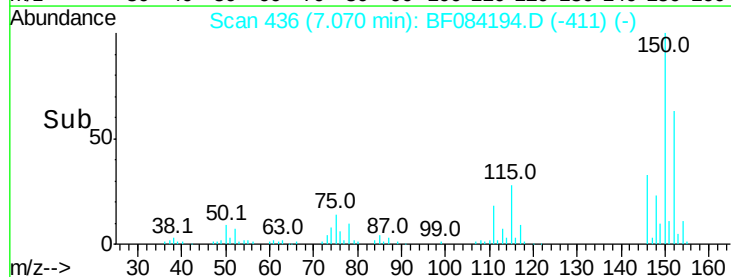
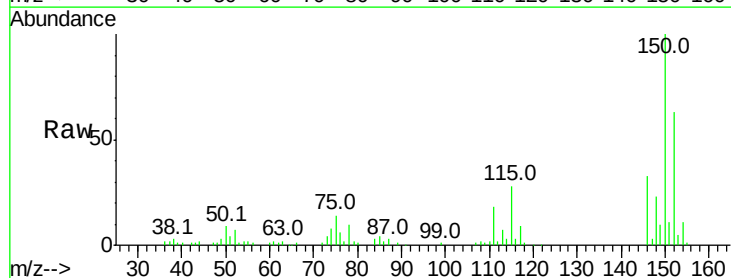
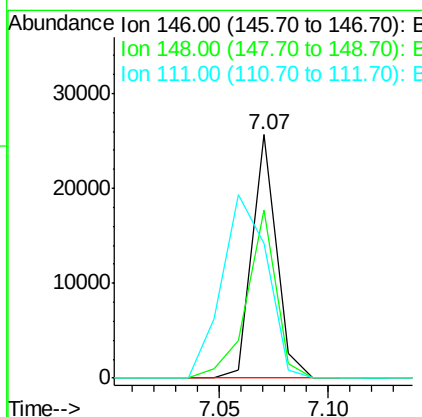
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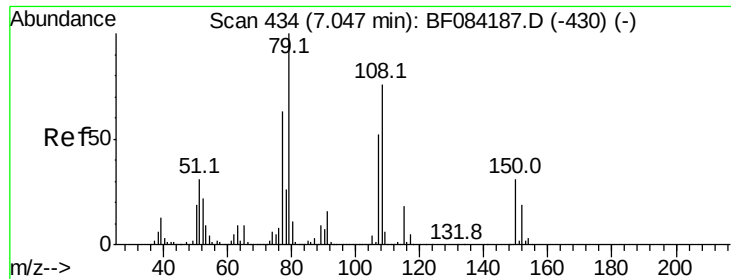
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#14
 1,2-Dichlorobenzene
 Concen: 0.95 ng/mL
 RT: 7.07 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.2	51.6	77.4
111	55.5	38.0	57.0





#15

Benzyl Alcohol

Concen: 2.53 ng

RT: 7.06 min Scan# 435

Delta R.T. 0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 79 Resp: 49840

Ion Ratio Lower Upper

79 100

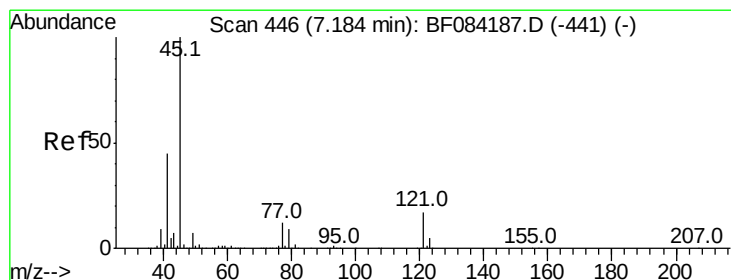
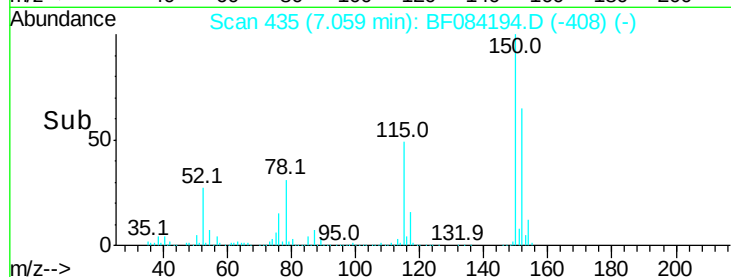
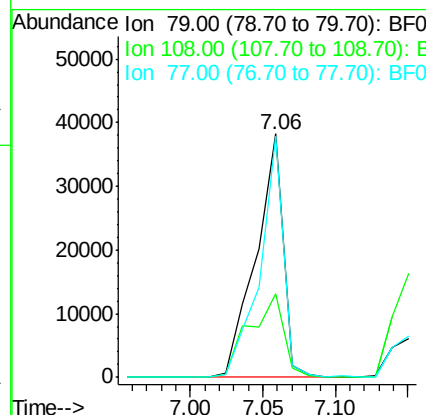
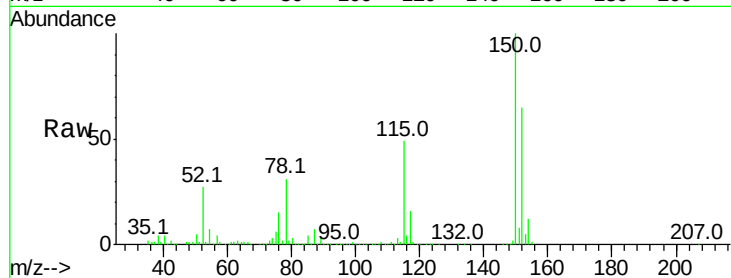
108 34.4 69.0 103.4#

77 98.9 50.0 75.0#

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#16

2,2'-oxybis(1-chloropropane)

Concen: 0.94 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

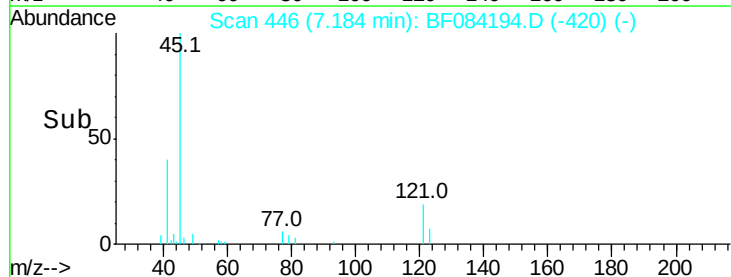
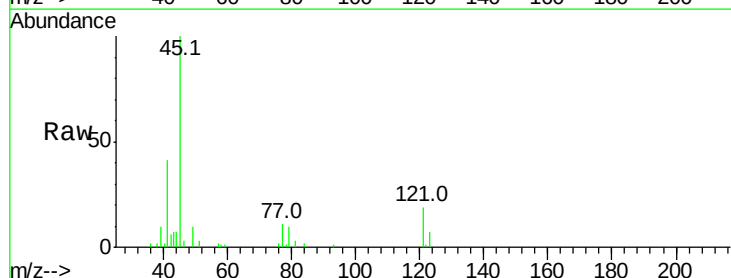
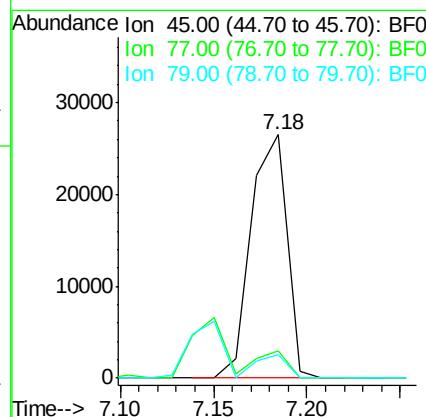
Tgt Ion: 45 Resp: 35297

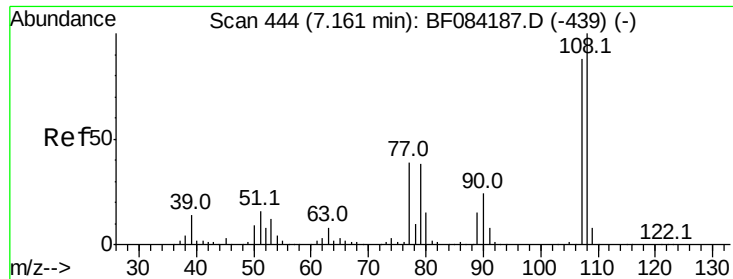
Ion Ratio Lower Upper

45 100

77 11.3 0.0 39.6

79 9.8 0.0 35.0





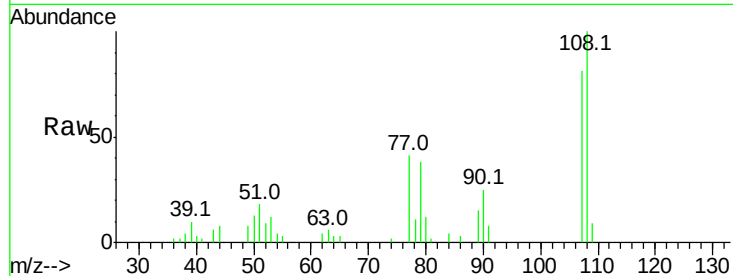
#17
2-Methylphenol
Concen: 0.81 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

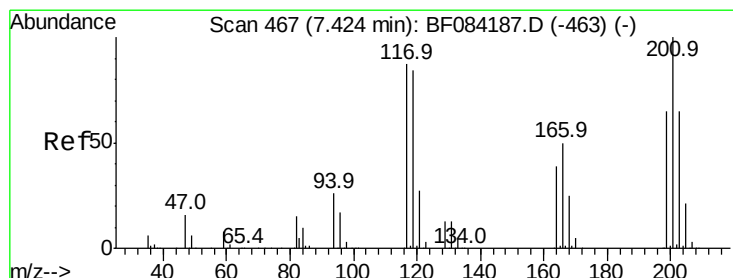
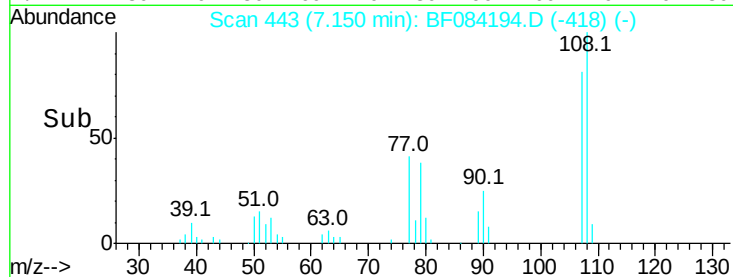
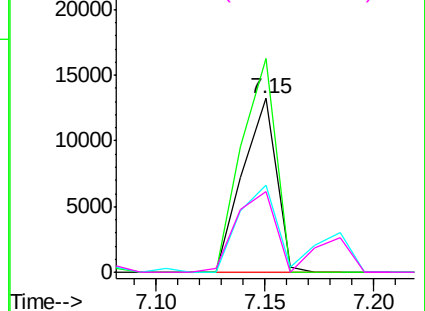
Tot Ion:	107	Resp:	14281
Ion Ratio	Lower	Upper	
107	100		
108	122.8	89.8	134.6
77	49.8	35.7	53.5
79	46.2	35.7	53.5

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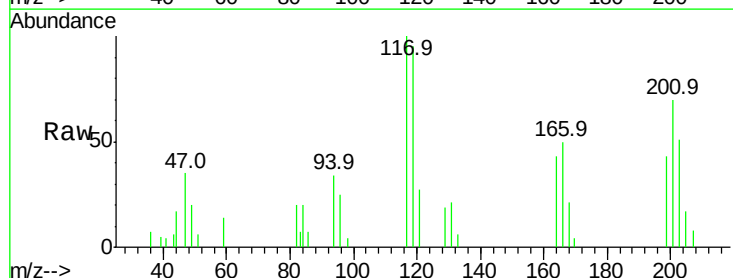


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

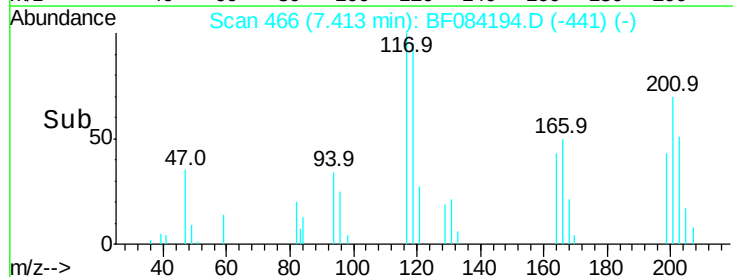
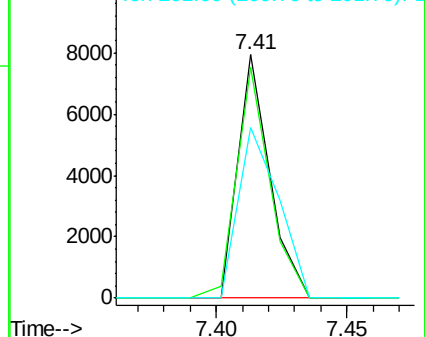


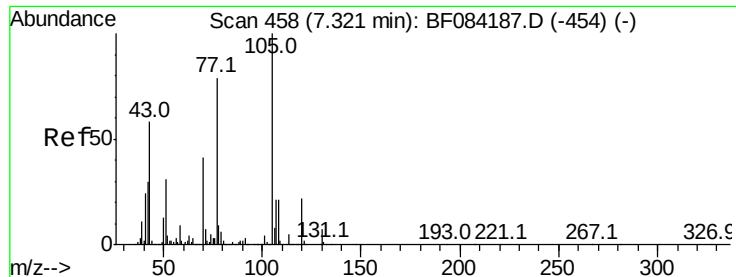
#18
Hexachloroethane
Concen: 0.78 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion:	117	Resp:	6788
Ion Ratio	Lower	Upper	
117	100		
119	94.8	77.4	116.0
201	70.1	68.6	103.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





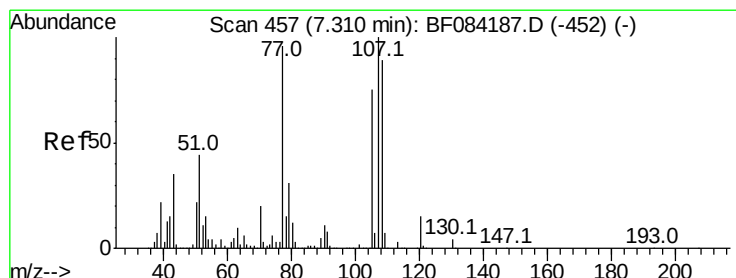
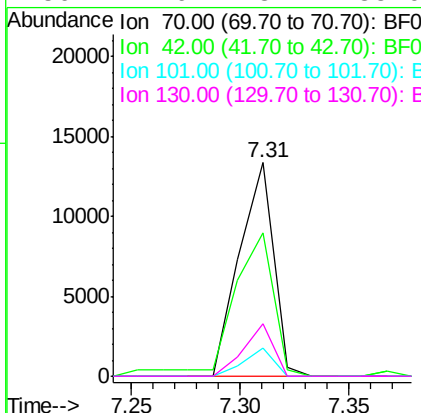
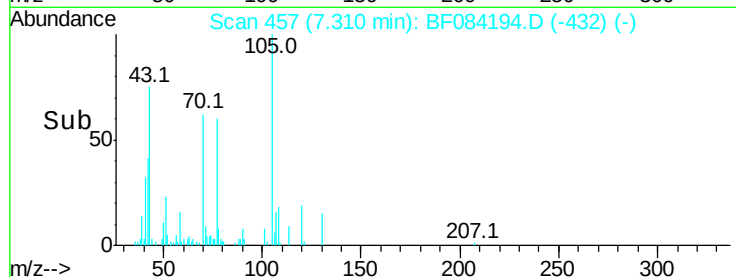
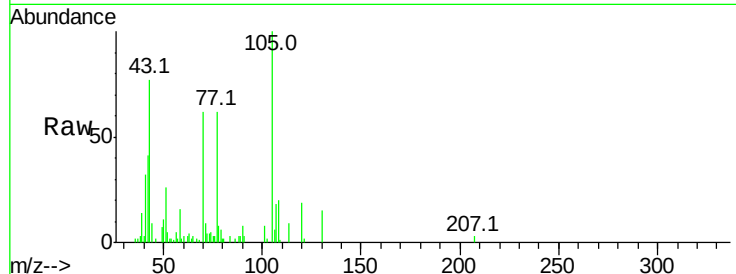
#19
n-Nitroso-di-n-propylamine
Concen: 0.92 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	66.9	33.3	49.9#	
101	13.4	9.3	13.9	
130	24.6	23.4	35.0	

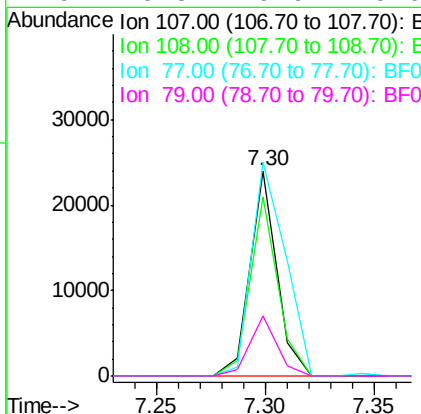
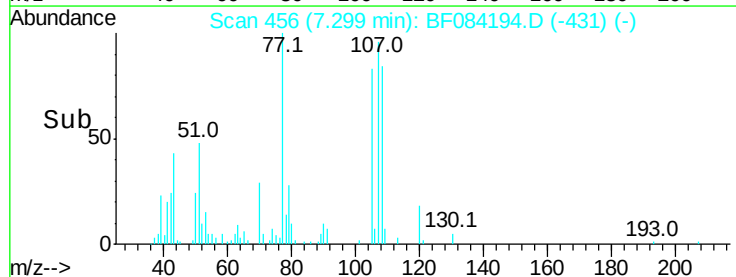
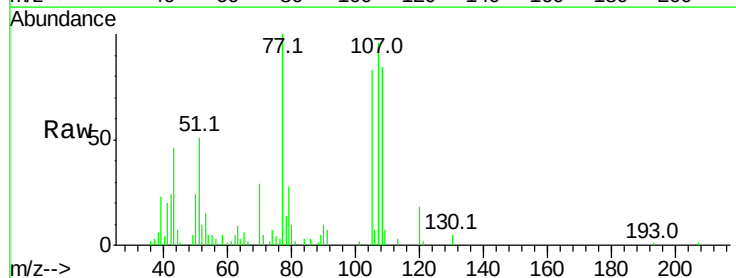
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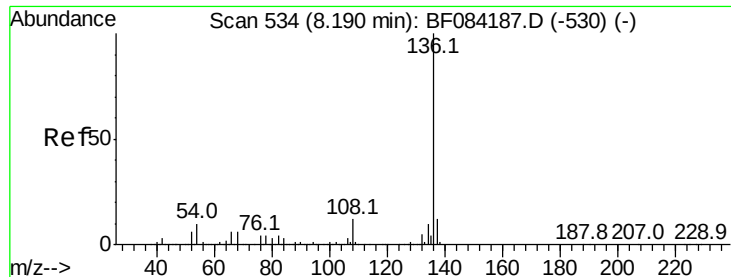
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#20
3+4-Methylphenols
Concen: 0.99 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.4	64.1	104.1	
77	104.0	128.9	168.9#	
79	29.3	9.6	49.6	





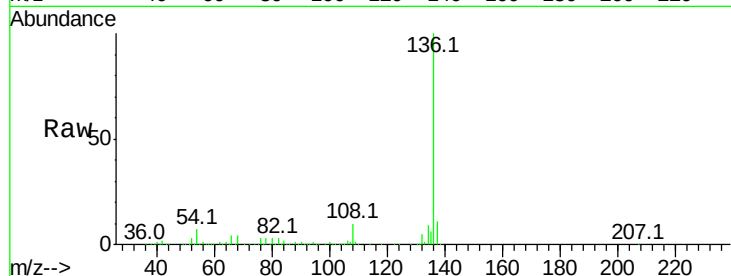
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

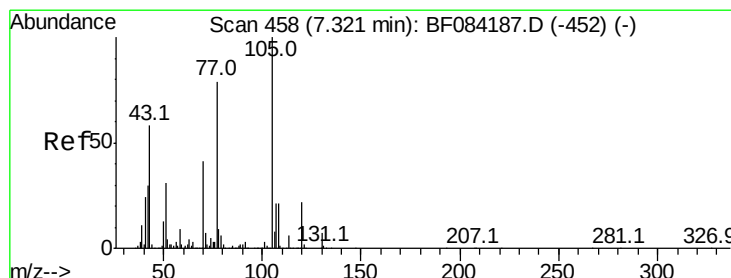
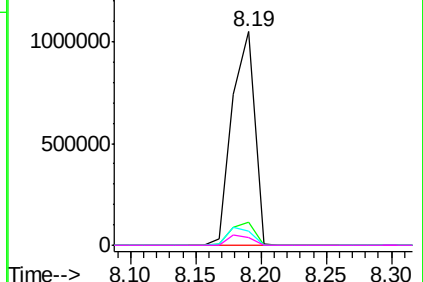
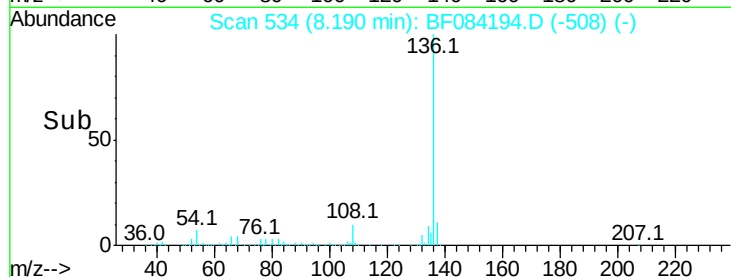
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.6	5.8	8.8
68	3.8	4.2	6.2#

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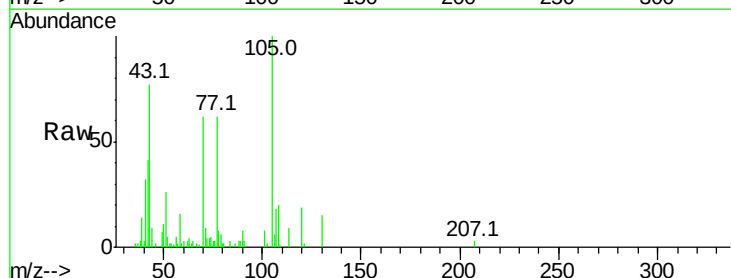


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

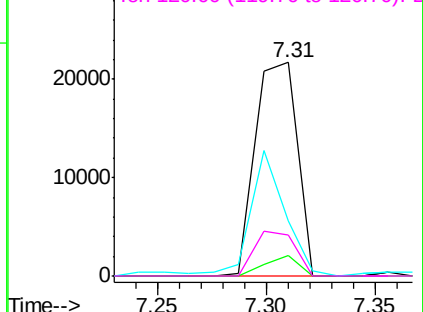
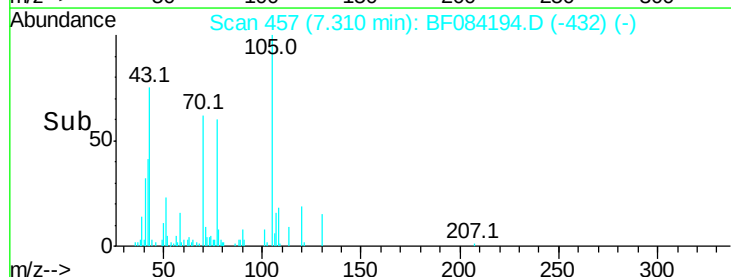


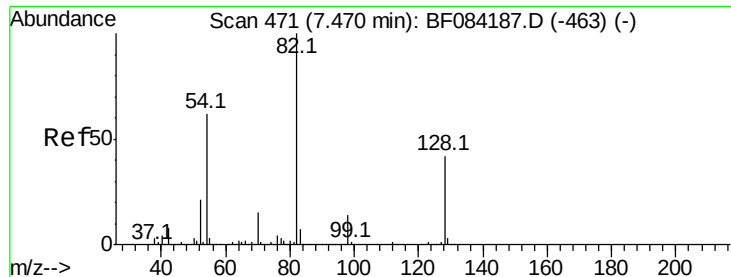
#22
Acetophenone
Concen: 0.97 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
105	100		
71	9.4	3.7	5.5#
51	25.7	25.1	37.7
120	19.1	16.6	25.0



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





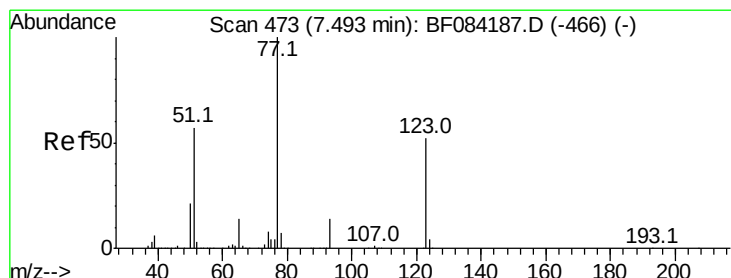
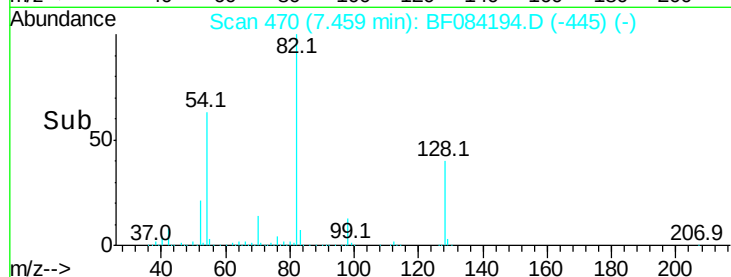
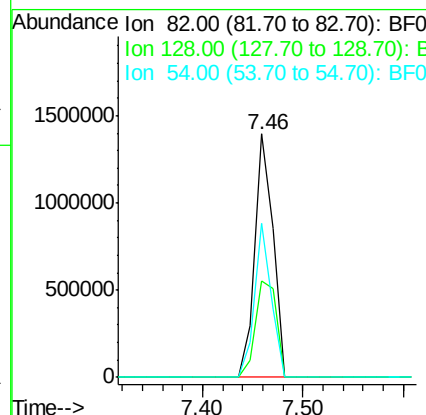
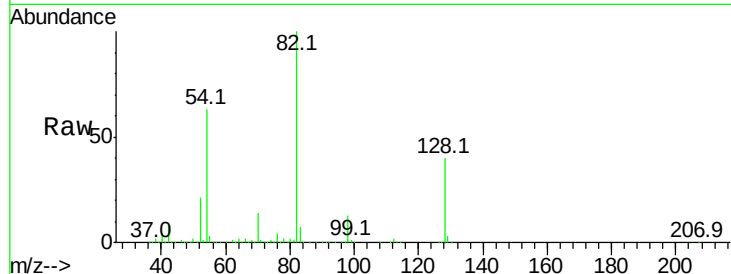
#23
 Nitrobenzene-d5
 Concen: 77.82 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	82	Resp	1751732
Ion Ratio	100	Lower	Upper
128	39.7	34.6	51.8
54	63.0	38.4	57.6

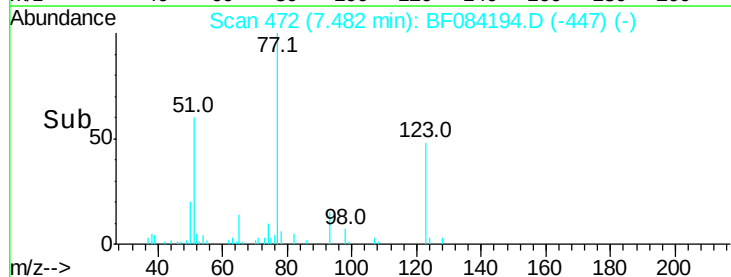
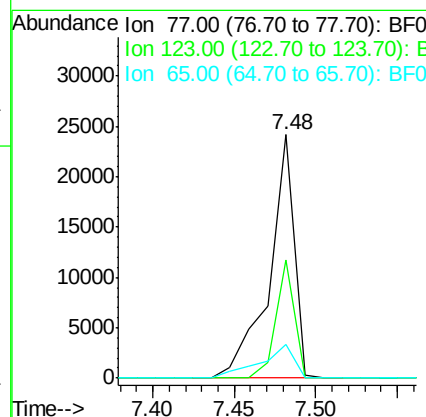
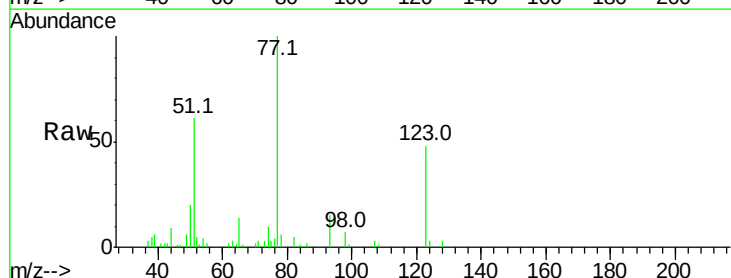
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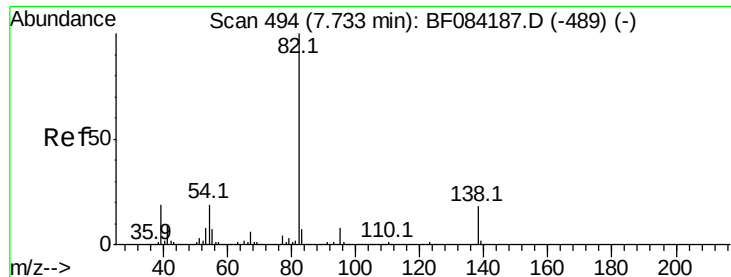
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#24
 Nitrobenzene
 Concen: 1.13 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion	77	Resp	25826
Ion Ratio	100	Lower	Upper
123	48.4	37.4	56.2
65	13.9	10.9	16.3





#25

Isophorone

Concen: 0.88 ng/mL

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

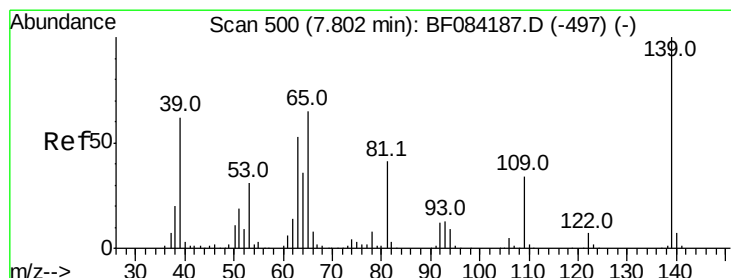
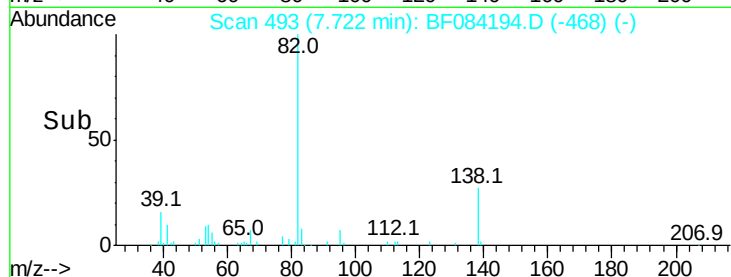
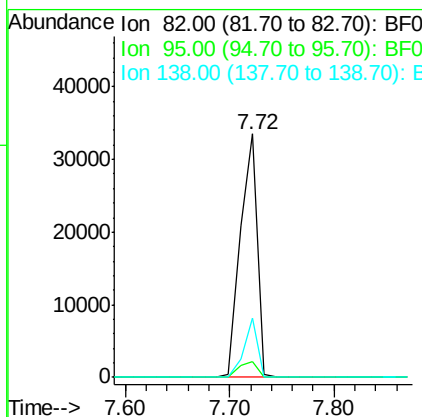
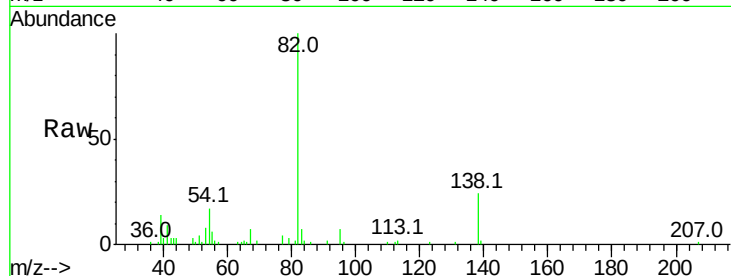
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	82	Resp:	37766
Ion Ratio	Lower	Upper	
82	100		
95	6.6	6.6	10.0#
138	24.1	13.6	20.4#

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#26

2-Nitrophenol

Concen: 0.69 ng/mL

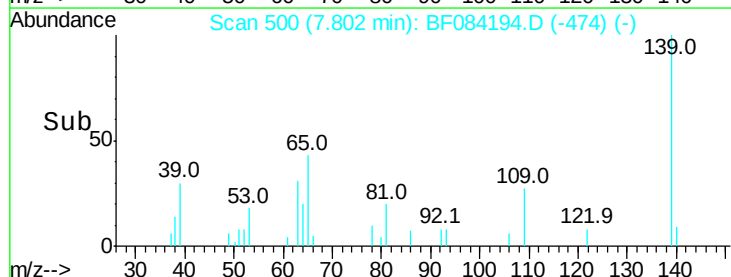
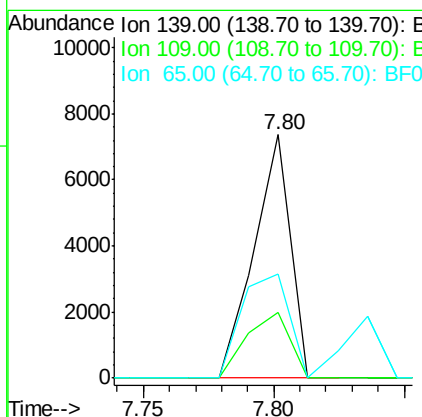
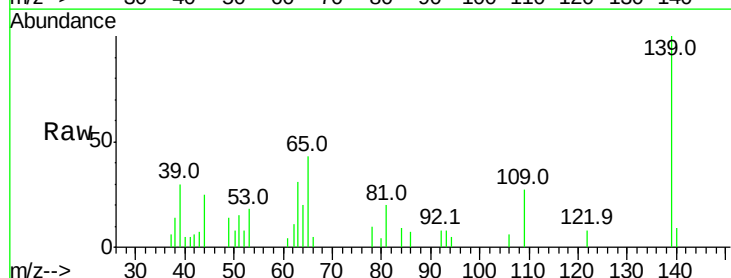
RT: 7.80 min Scan# 500

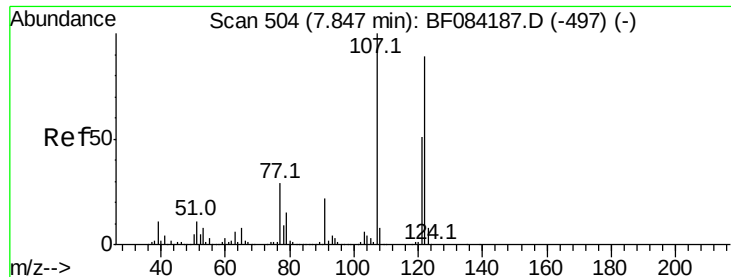
Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	139	Resp:	7191
Ion Ratio	Lower	Upper	
139	100		
109	27.2	25.4	38.2
65	42.5	32.3	48.5





#27

2,4-Dimethylphenol

Concen: 0.76 ng/mL

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF084194.D

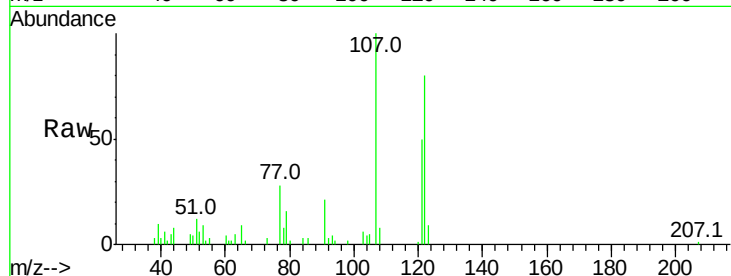
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

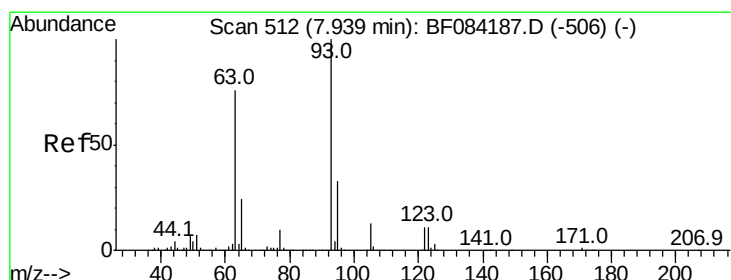
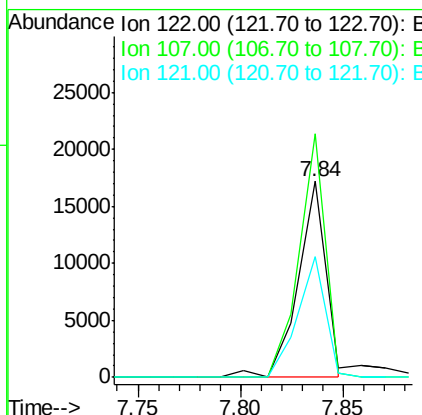
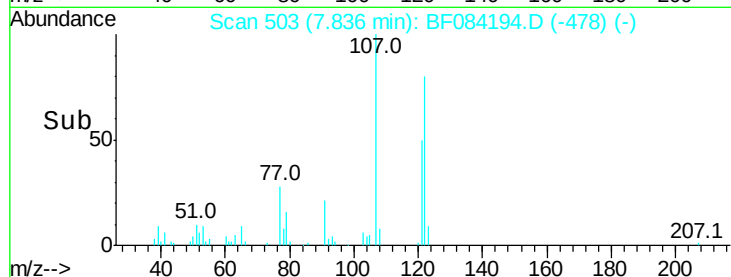
LOD-SOIL2016-01



Tot Ion:	122	Resp:	16017
Ion Ratio	Lower	Upper	
122	100		
107	124.4	99.1	148.7
121	61.7	47.9	71.9

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#28

bis(2-Chloroethoxy)methane

Concen: 0.84 ng/mL

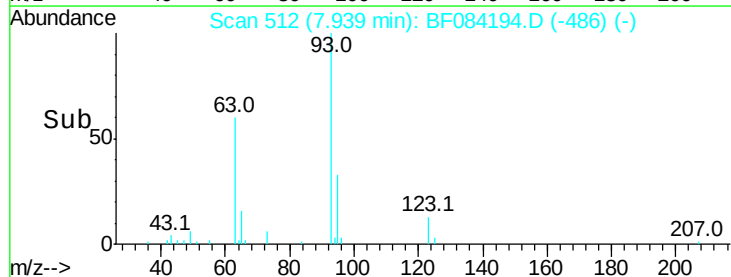
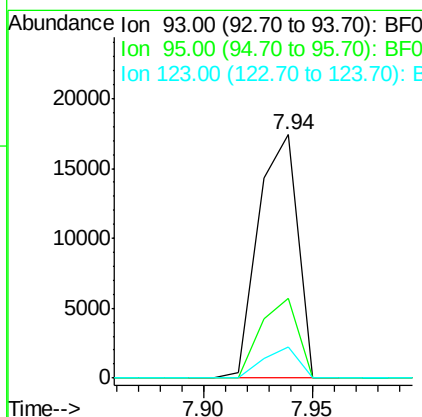
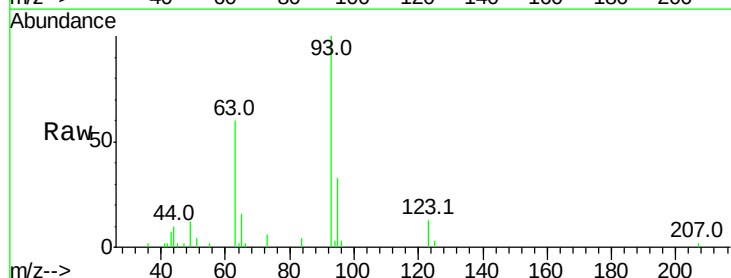
RT: 7.94 min Scan# 512

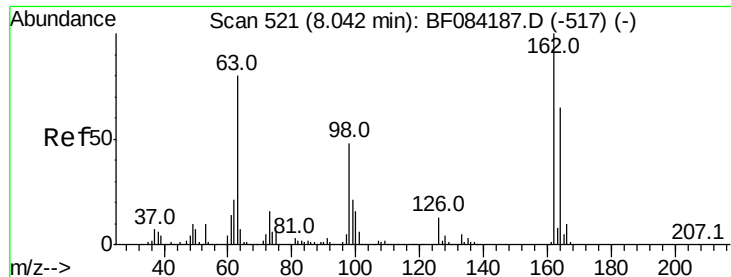
Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	93	Resp:	22024
Ion Ratio	Lower	Upper	
93	100		
95	32.8	25.8	38.6
123	13.0	8.6	12.8#





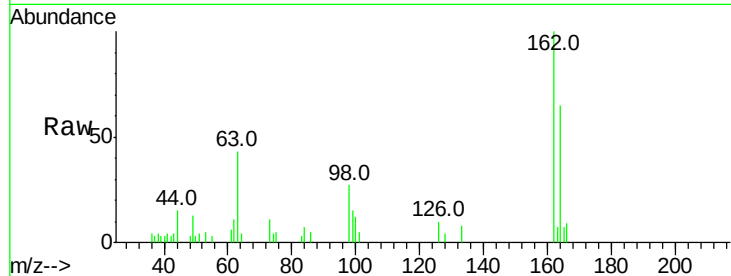
#29
2,4-Dichlorophenol
Concen: 0.80 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.6	44.1	84.1
98	27.0	20.2	60.2

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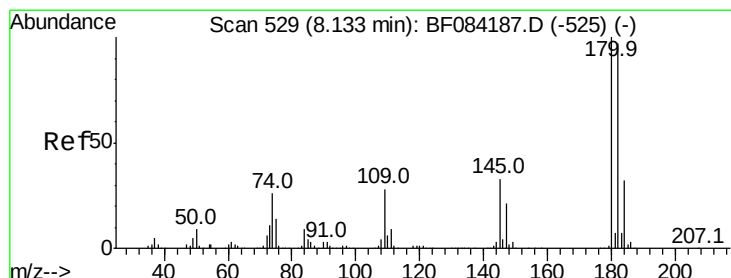
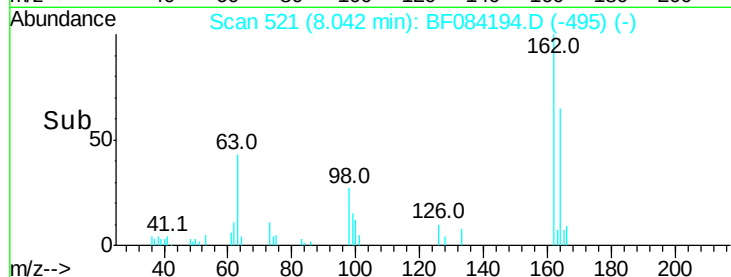
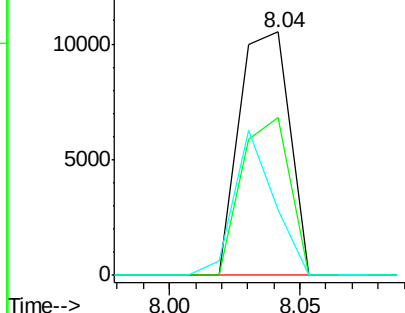


Abundance

Ion 162.00 (161.70 to 162.70): E

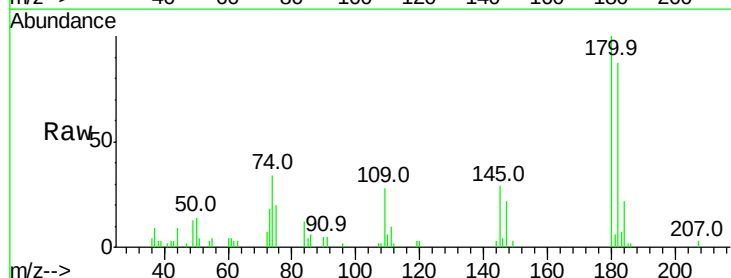
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#30
1,2,4-Trichlorobenzene
Concen: 0.94 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	86.7	76.4	114.6
145	29.4	31.6	47.4#

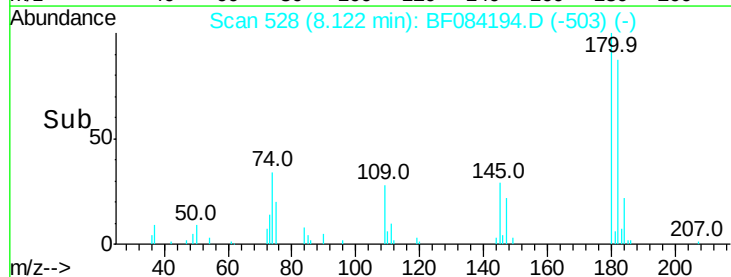
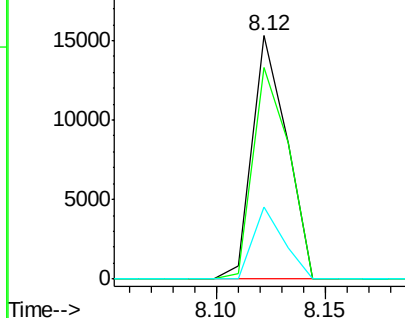


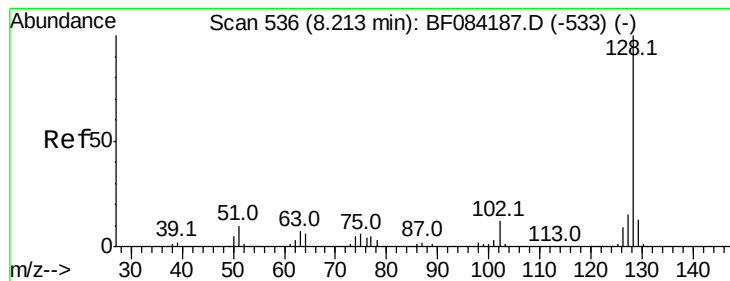
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 0.98 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

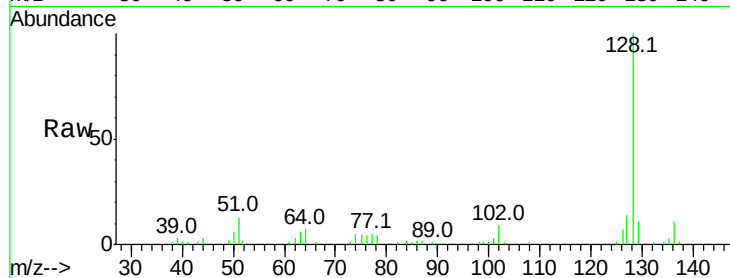
ClientSampleId :

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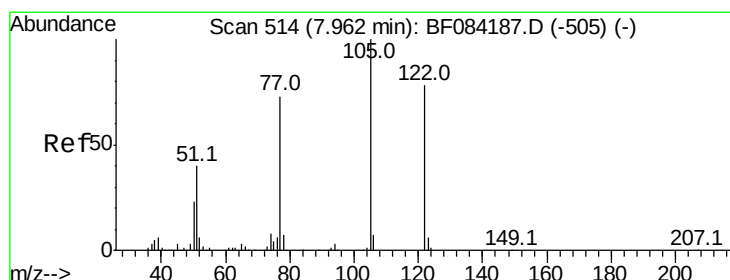
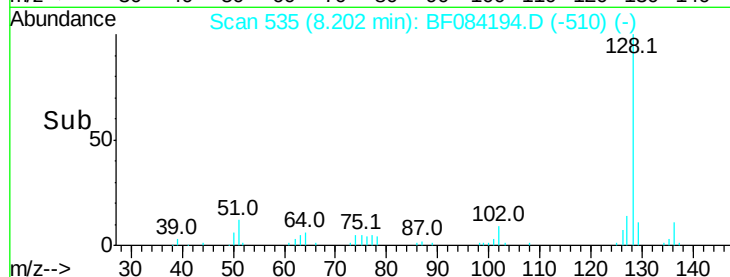
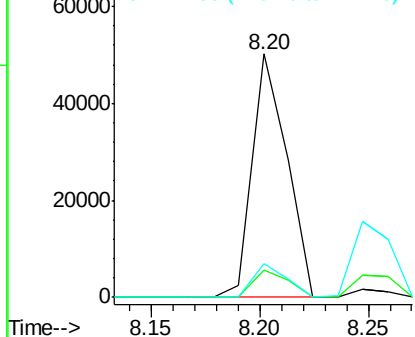
Tot Ion:	128	Resp:	55481
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.1	13.7
127	13.7	11.1	16.7

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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



#32

Benzoic acid

Concen: 6.35 ng m

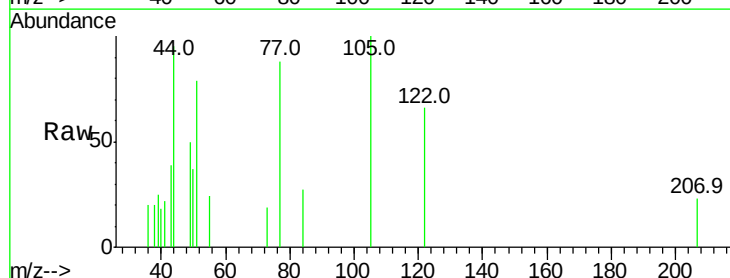
RT: 7.86 min Scan# 505

Delta R.T. -0.10 min

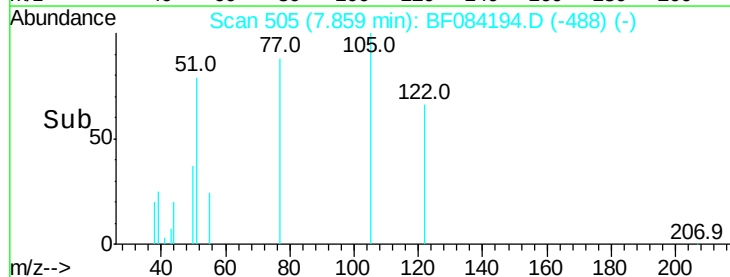
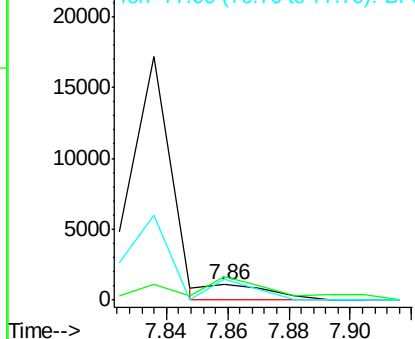
Lab File: BF084194.D

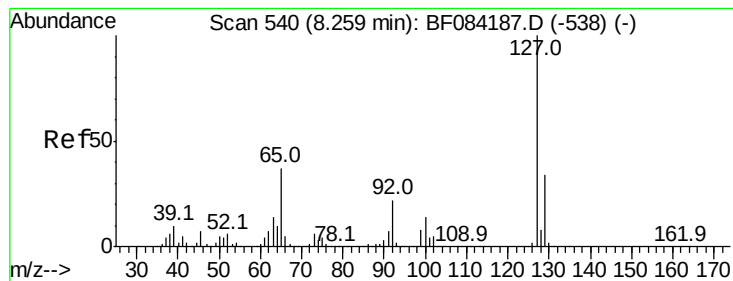
Acq: 31 Dec 2015 14:56

Tgt Ion:	122	Resp:	1576
Ion Ratio	Lower	Upper	
122	100		
105	152.6	100.3	140.3#
77	134.3	63.5	103.5#



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





#33

4-Chloroaniline

Concen: 0.74 ng

RT: 8.25 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

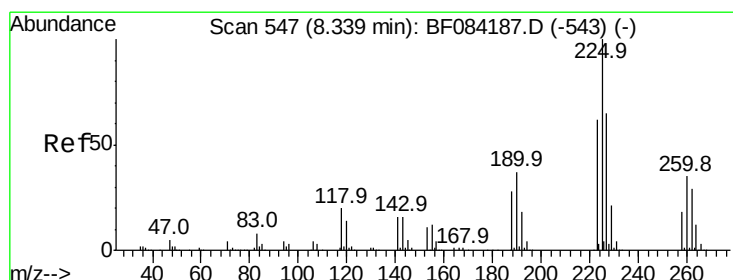
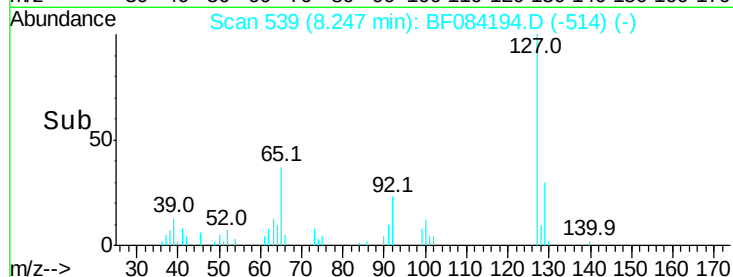
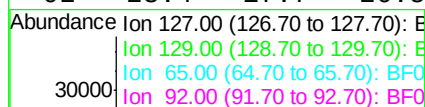
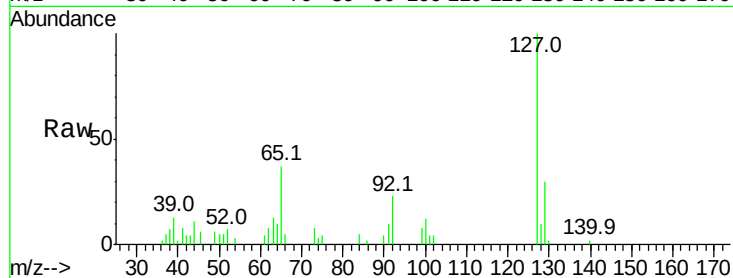
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
127	100	19308		
129	29.7	26.5	39.7	
65	37.4	27.2	40.8	
92	23.4	17.7	26.5	

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#34

Hexachlorobutadiene

Concen: 0.91 ng

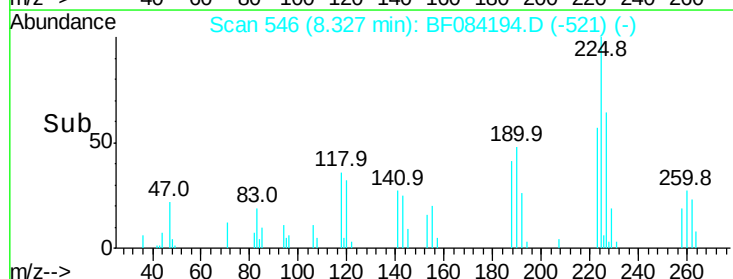
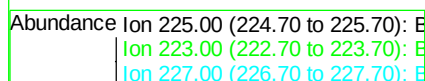
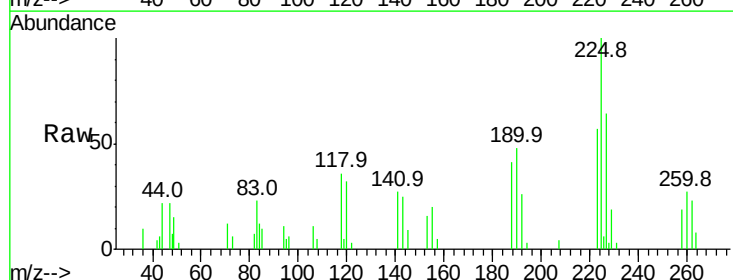
RT: 8.33 min Scan# 546

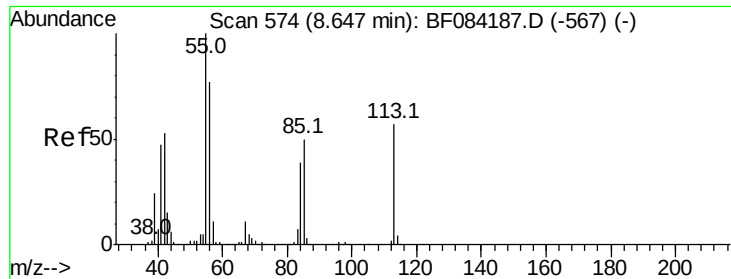
Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9454		
223	56.7	49.4	74.0	
227	63.8	50.8	76.2	





#35

Caprolactam

Concen: 0.73 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.07 min

Lab File: BF084194.D

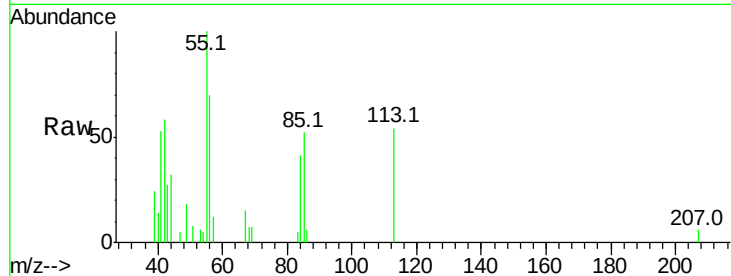
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

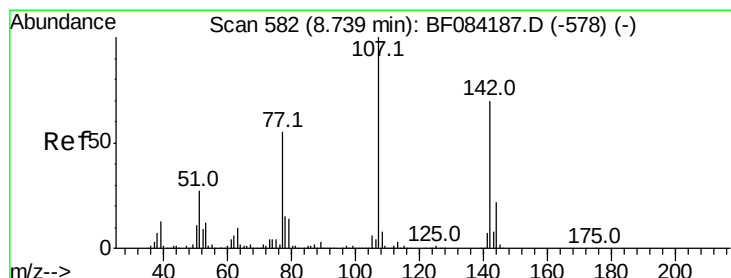
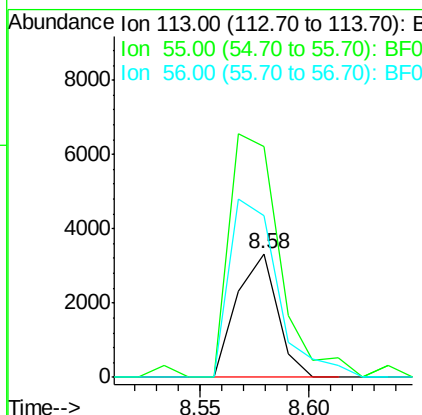
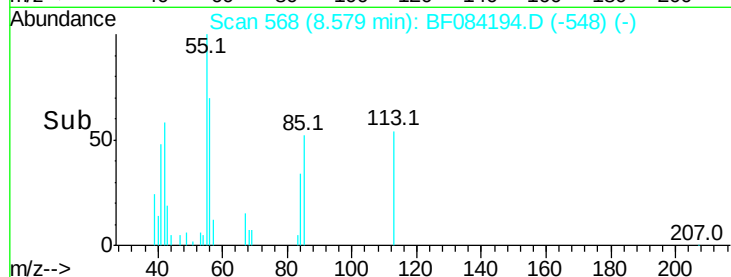
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Tot Ion:	113	Resp:	4303
Ion Ratio	Lower	Upper	
113	100		
55	186.6	116.9	156.9#
56	130.4	93.8	133.8

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#36

4-Chloro-3-methylphenol

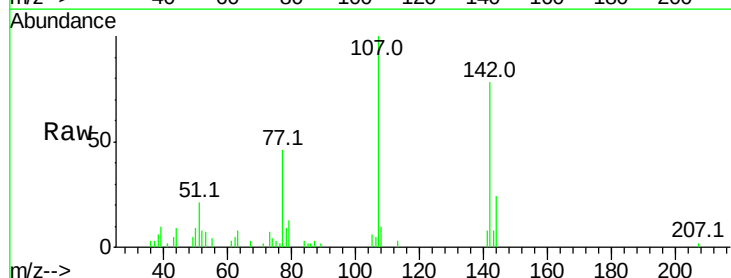
Concen: 0.88 ng

RT: 8.73 min Scan# 581

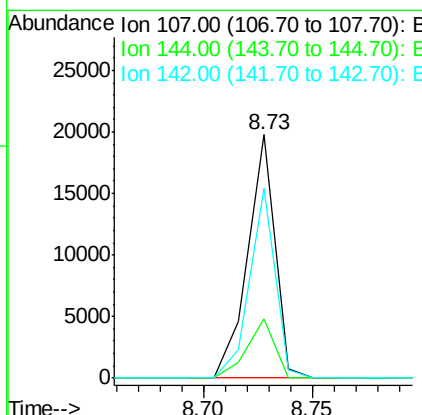
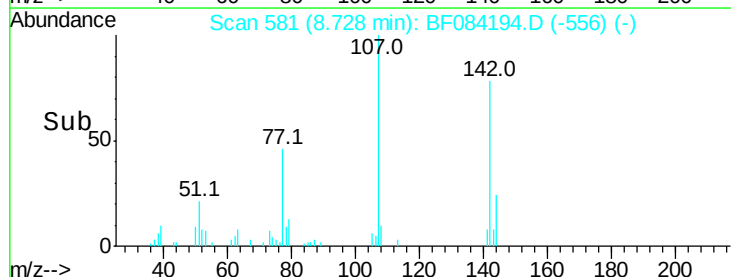
Delta R.T. -0.01 min

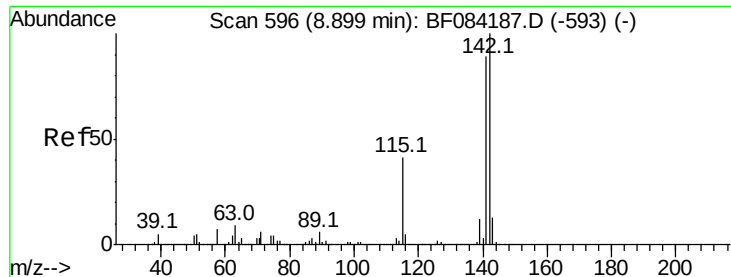
Lab File: BF084194.D

Acq: 31 Dec 2015 14:56



Tgt Ion:	107	Resp:	17216
Ion Ratio	Lower	Upper	
107	100		
144	24.4	19.7	29.5
142	78.0	61.8	92.6





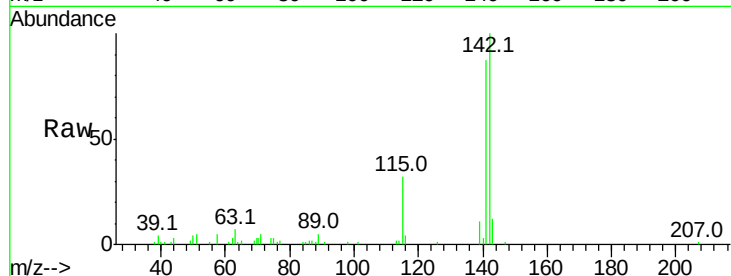
#37
2-Methylnaphthalene
Concen: 1.02 ng
RT: 8.90 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	87.1	72.4	108.6
115	31.6	27.9	41.9

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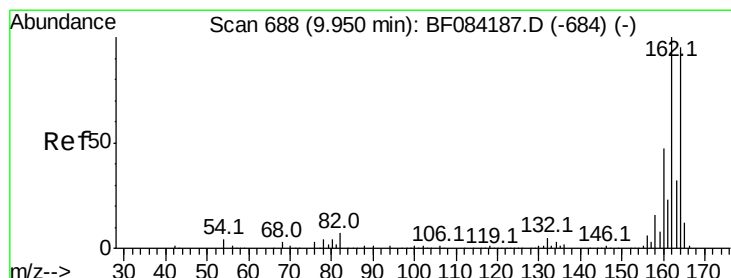
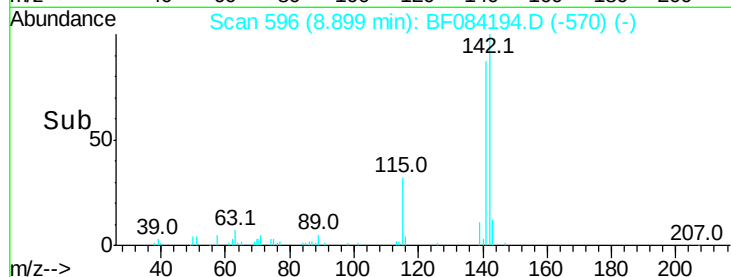
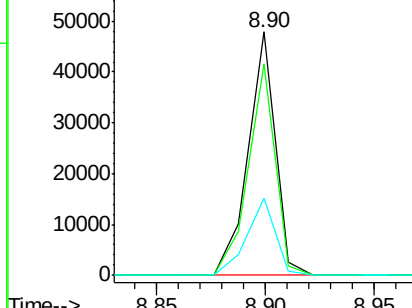


Abundance

Ion 142.00 (141.70 to 142.70): E

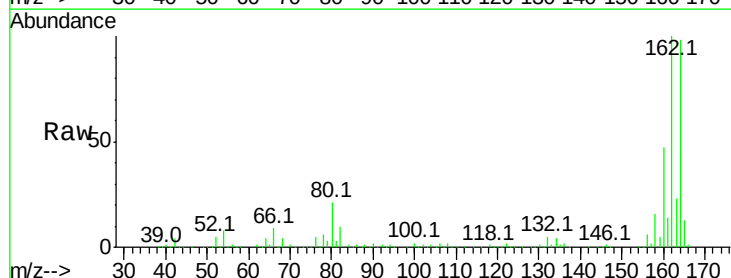
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	85.1	127.7
160	48.0	37.5	56.3

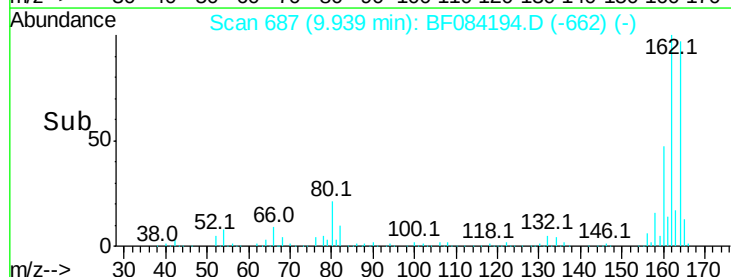
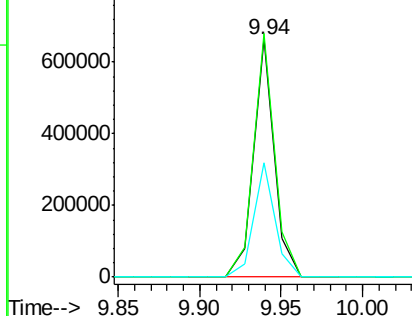


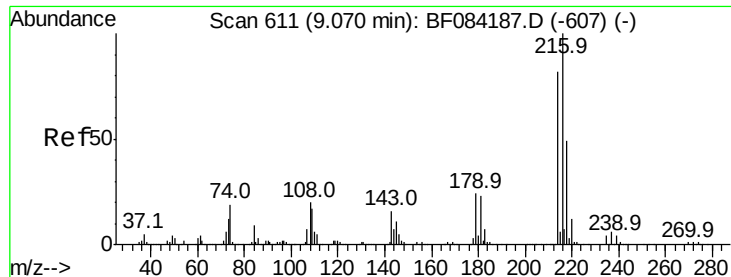
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.92 ng

RT: 9.06 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF084194.D

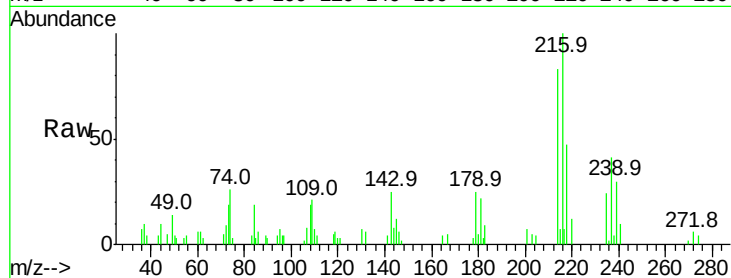
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:216 Resp: 15476

Ion Ratio Lower Upper

216 100

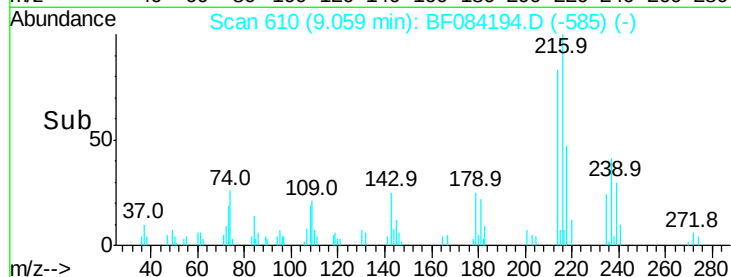
214 80.4 64.2 96.2

179 20.1 18.7 28.1

108 17.3 16.8 25.2

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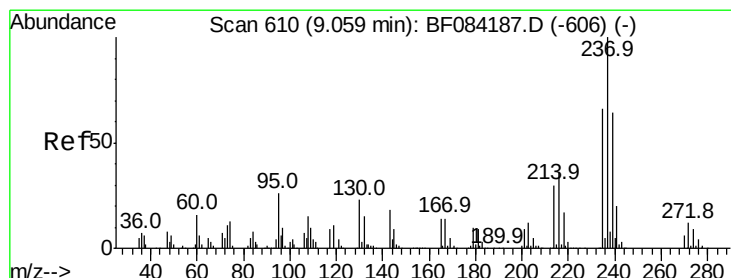
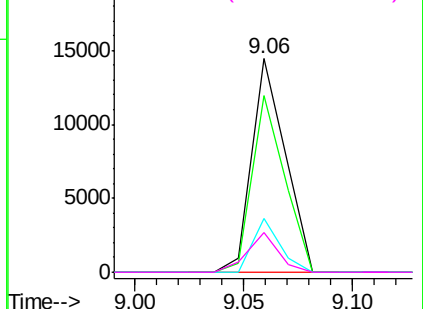


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 0.63 ng

RT: 9.06 min Scan# 610

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

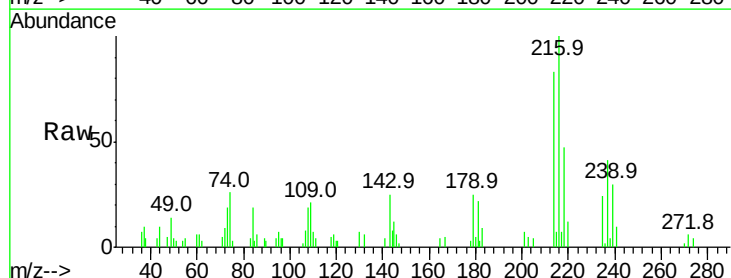
Tgt Ion:237 Resp: 6444

Ion Ratio Lower Upper

237 100

235 57.8 43.1 83.1

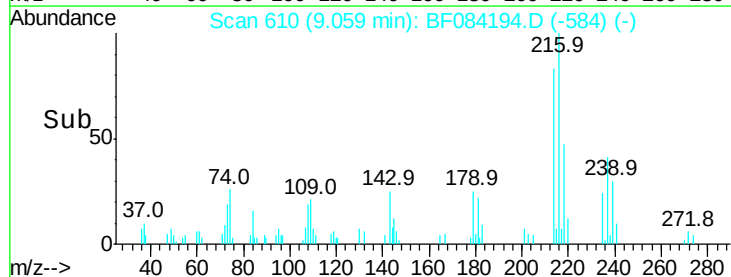
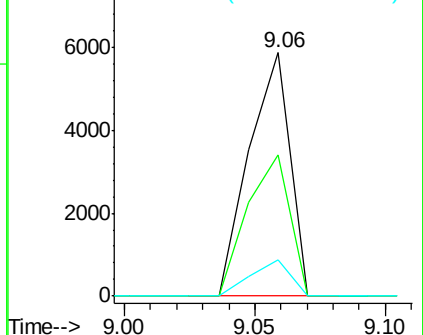
272 14.8 0.0 35.1

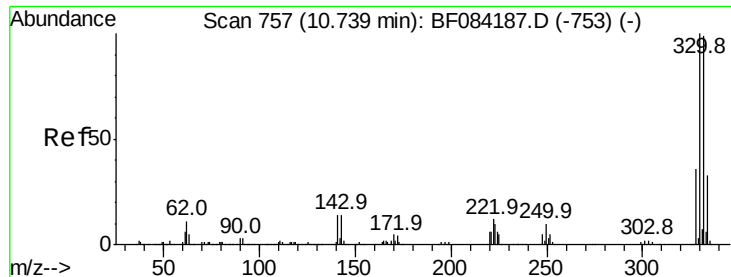


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





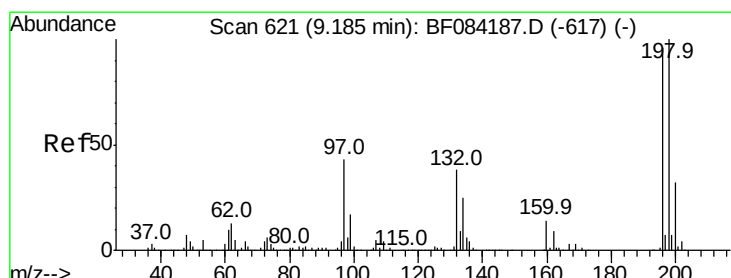
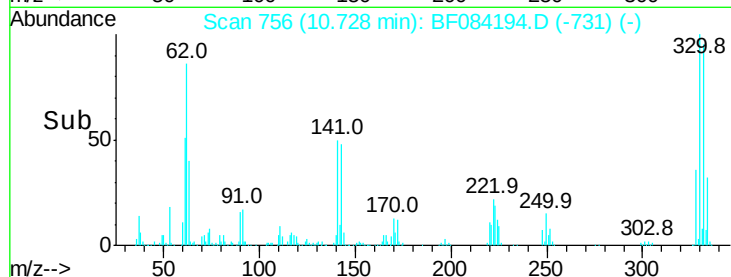
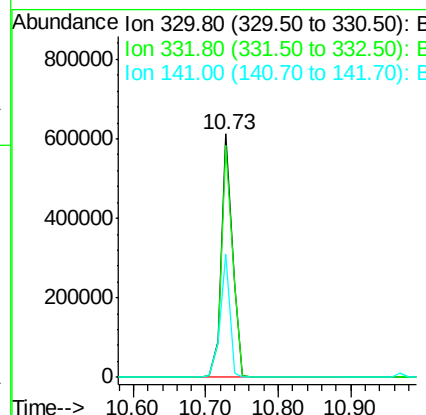
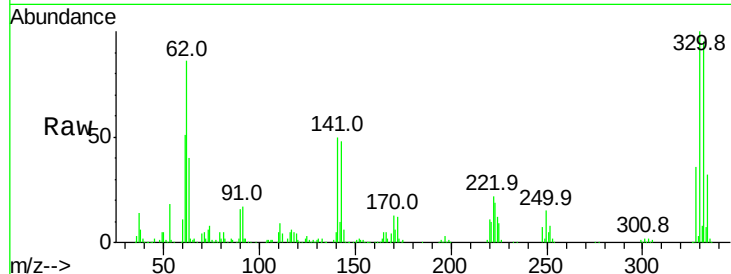
#41
 2,4,6-Tribromophenol
 Concen: 110.72 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.6	114.8	
141	43.8	27.8	41.6	

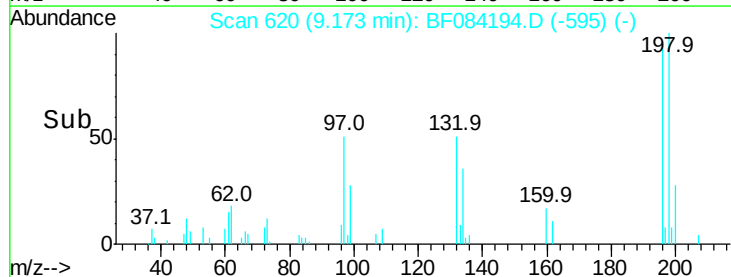
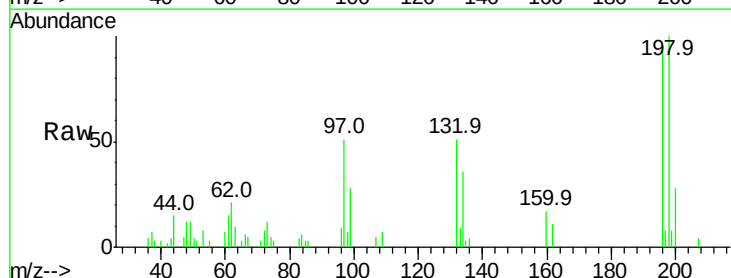
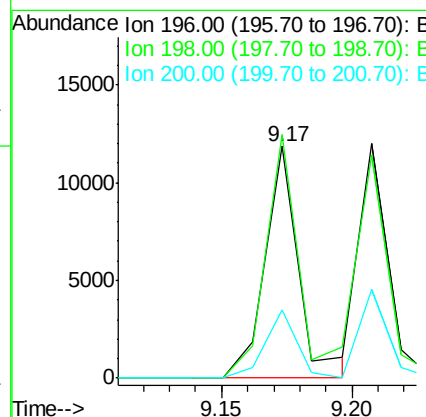
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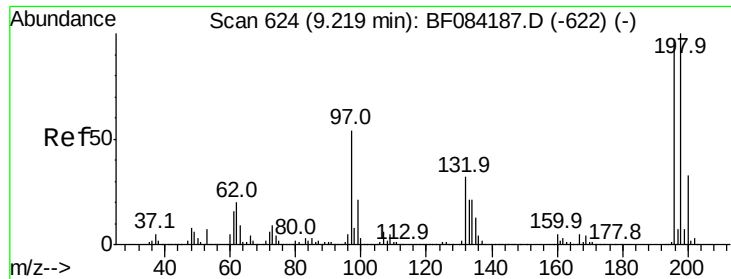
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#42
 2,4,6-Trichlorophenol
 Concen: 0.85 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	105.0	77.7	116.5	
200	29.5	24.6	37.0	





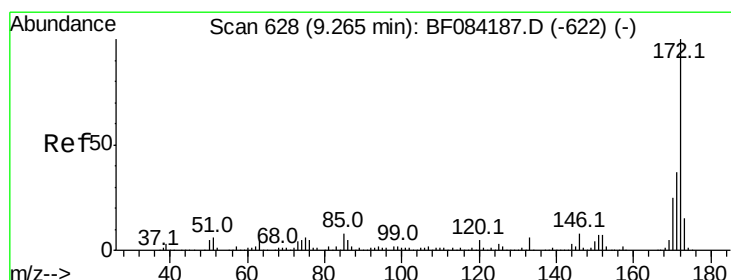
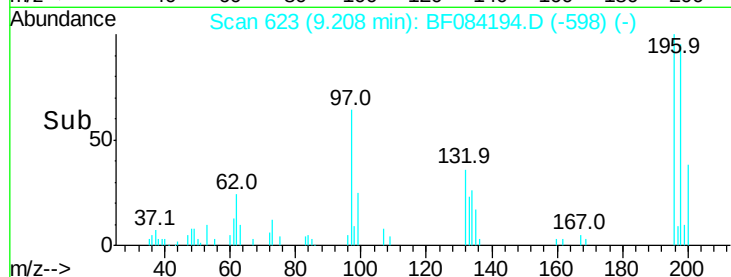
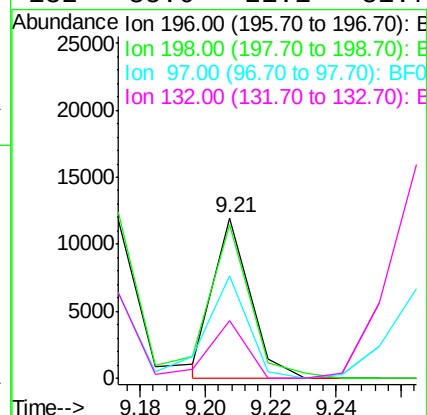
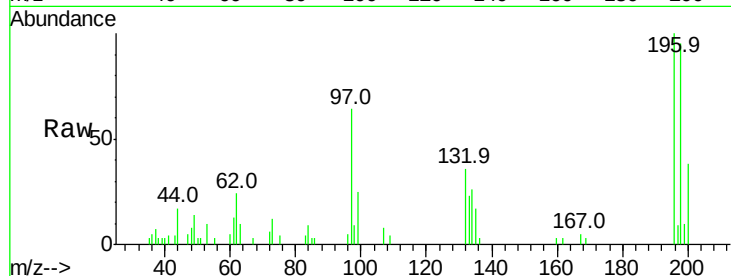
#43
 2,4,5-Trichlorophenol
 Concen: 0.76 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.5	79.0	118.6
97	64.2	33.0	49.6#
132	35.6	21.1	31.7#

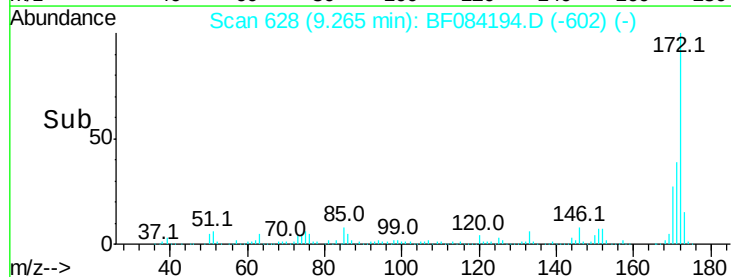
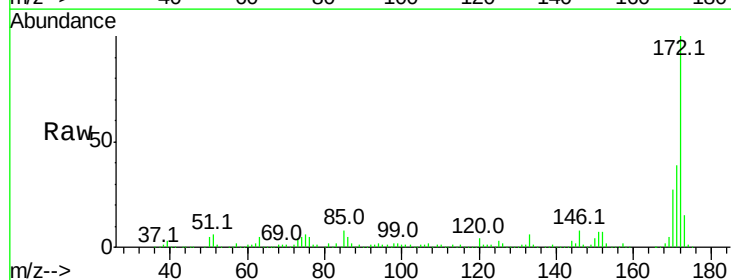
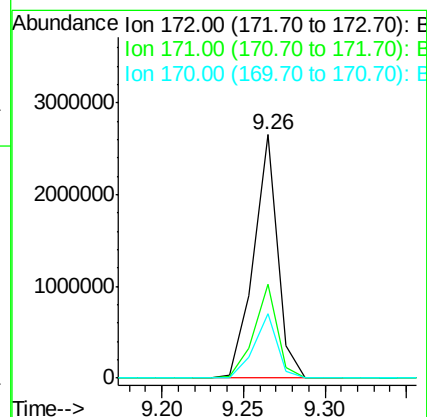
Manual Integrations
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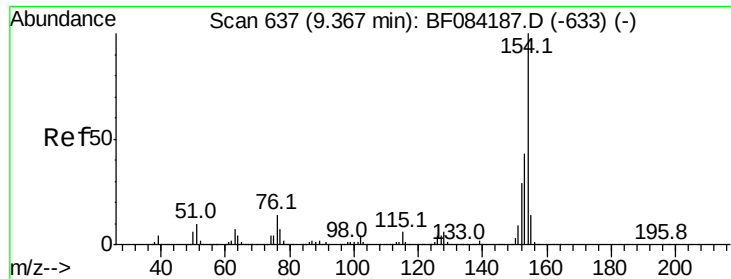
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#44
 2-Fluorobiphenyl
 Concen: 81.05 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	28.9	43.3
170	26.6	18.6	27.8





#45

1,1'-Biphenyl

Concen: 0.97 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

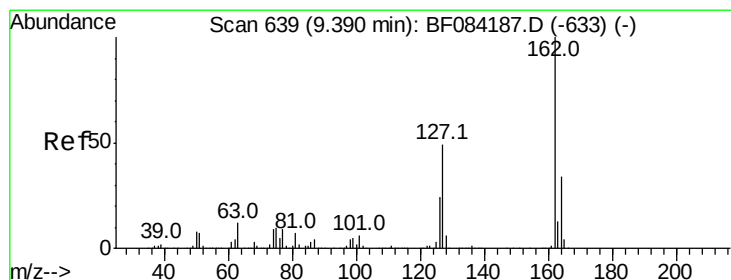
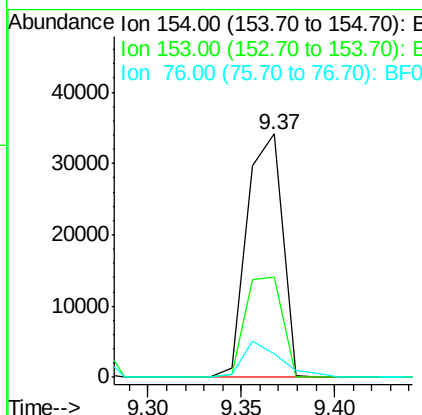
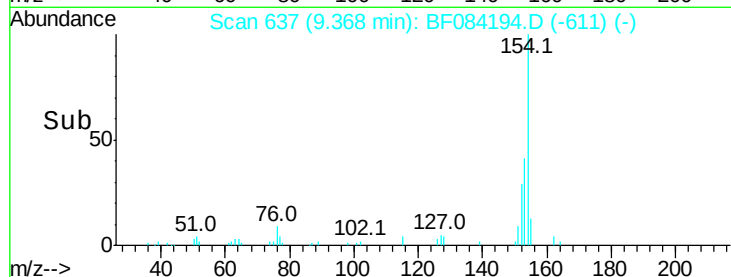
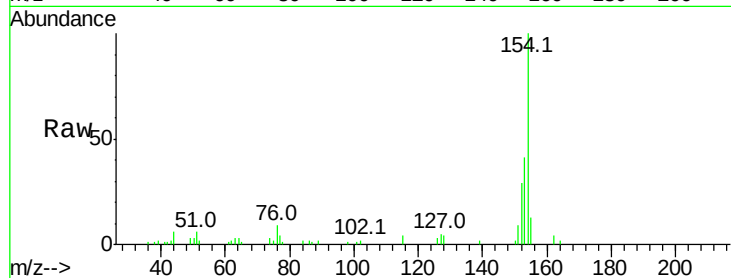
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	154	Resp:	44956
Ion Ratio	Lower	Upper	
154	100		
153	41.1	21.6	61.6
76	9.4	0.0	32.7

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#46

2-Chloronaphthalene

Concen: 0.97 ng

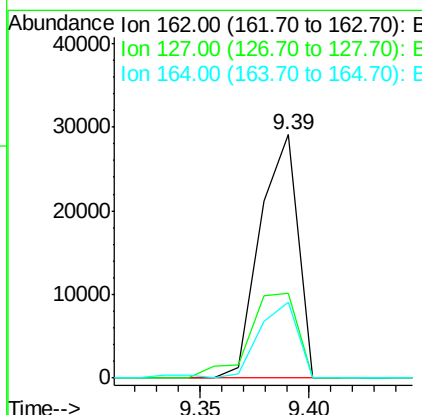
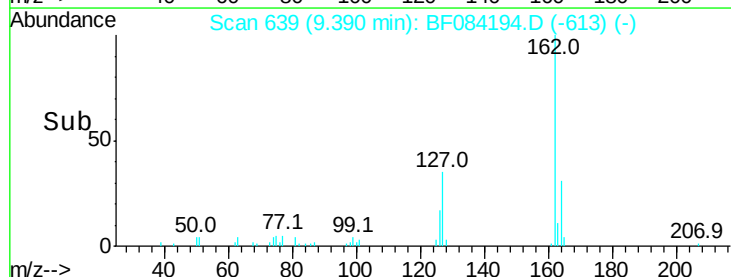
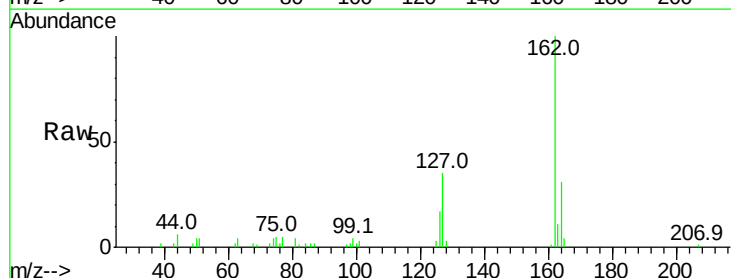
RT: 9.39 min Scan# 639

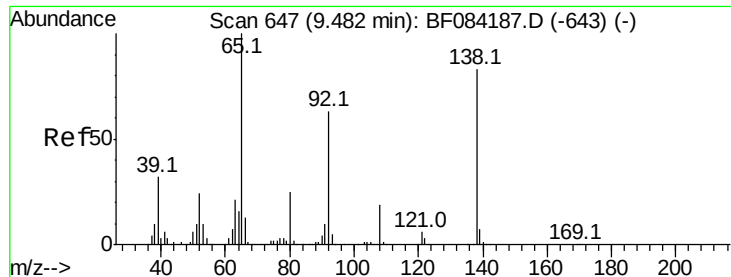
Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	162	Resp:	35418
Ion Ratio	Lower	Upper	
162	100		
127	34.7	40.2	60.4#
164	30.9	25.7	38.5





#47

2-Nitroaniline

Concen: 0.64 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

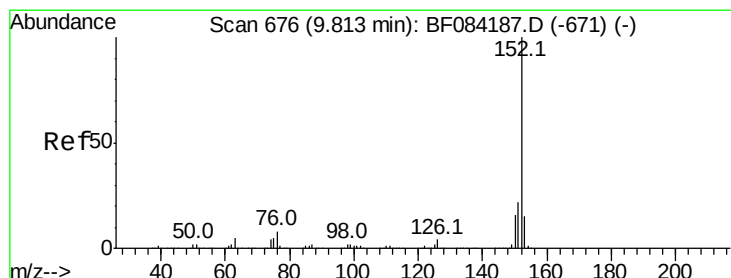
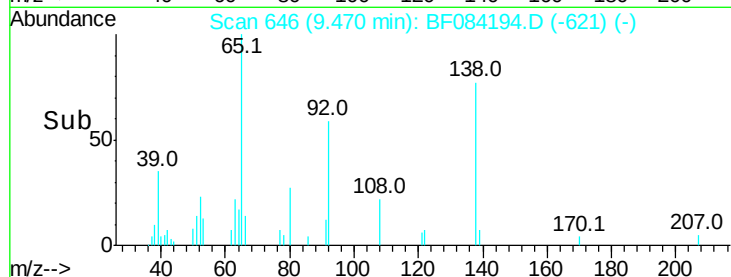
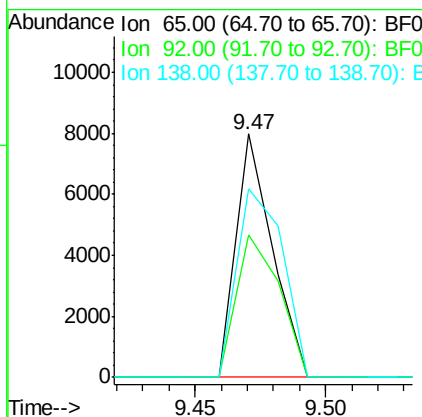
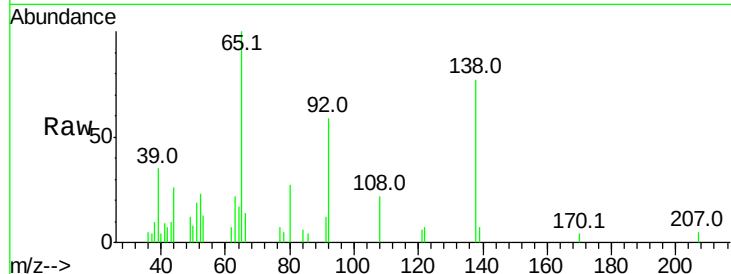
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	65	Resp:	7773
Ion Ratio	Lower	Upper	
65	100		
92	58.5	53.4	80.2
138	77.2	71.1	106.7

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#48

Acenaphthylene

Concen: 1.05 ng

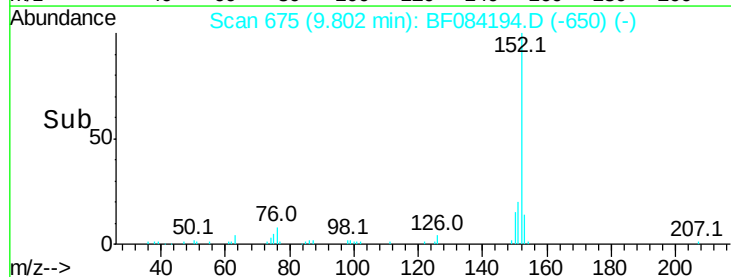
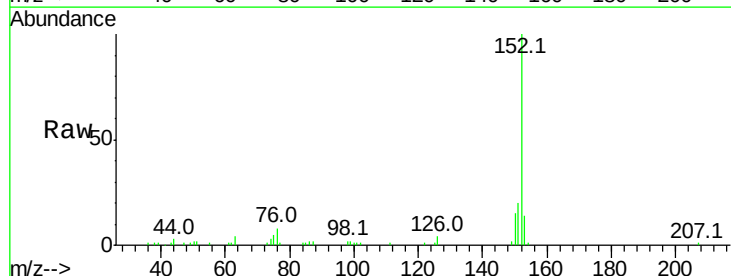
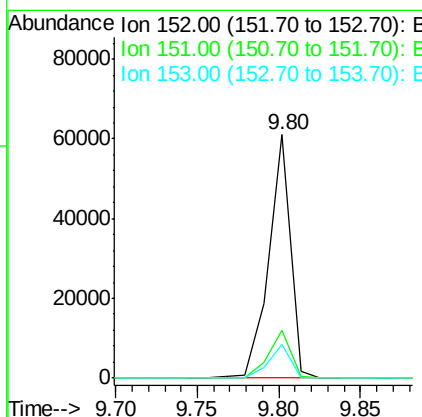
RT: 9.80 min Scan# 675

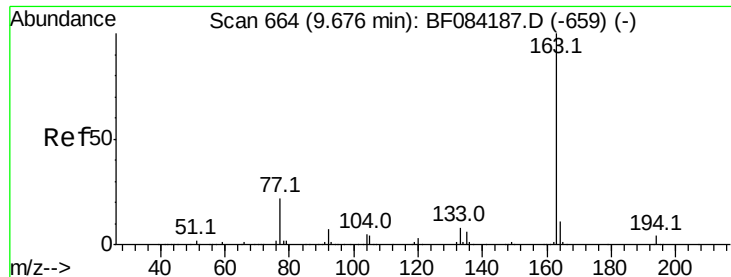
Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	152	Resp:	56708
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	13.6	10.4	15.6





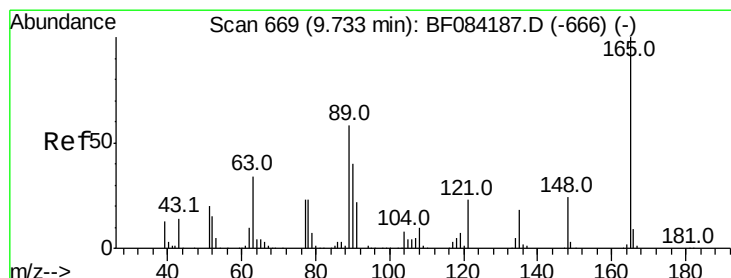
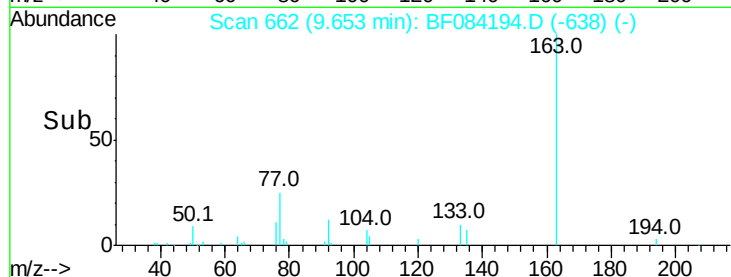
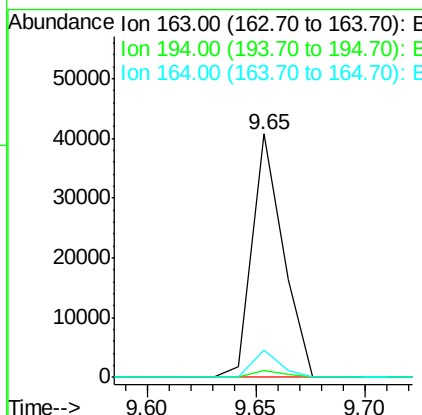
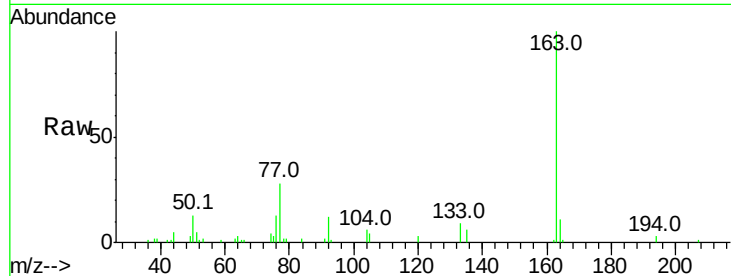
#49
Dimethylphthalate
Concen: 0.97 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100	40408		
194	2.8	8.0	12.0	#
164	11.0	8.0	12.0	

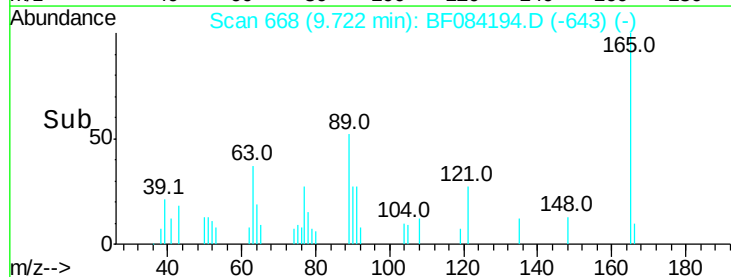
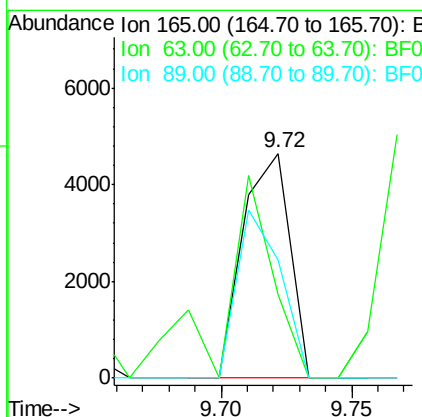
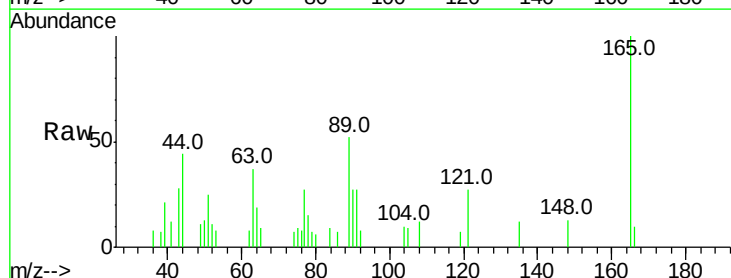
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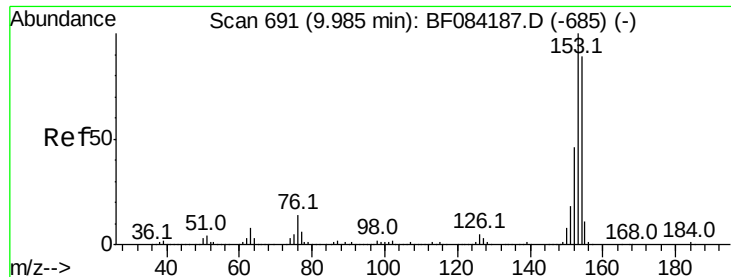
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#50
2,6-Dinitrotoluene
Concen: 0.63 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	5786		
63	37.4	28.8	43.2	
89	52.4	35.1	52.7	





#51

Acenaphthene

Concen: 1.04 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

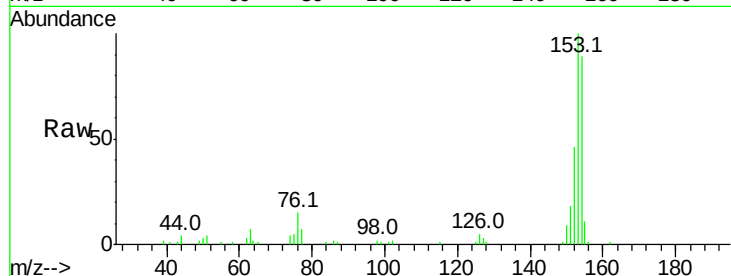
ClientSampleId :

LOD-SOIL2016-01

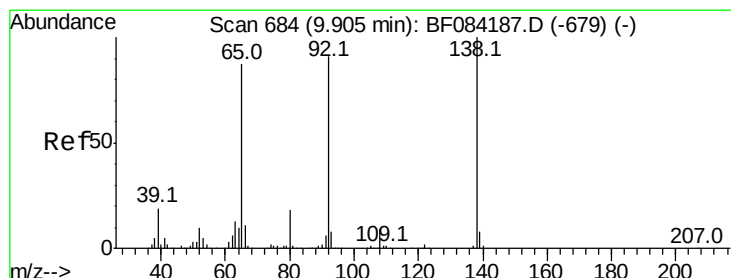
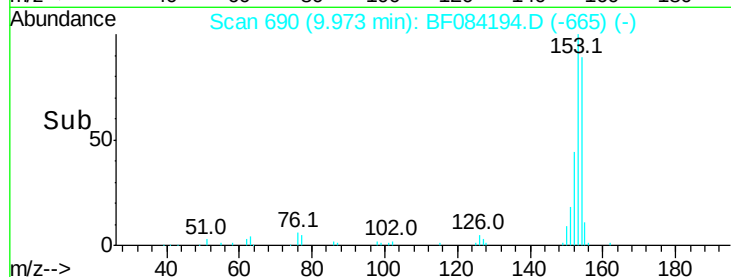
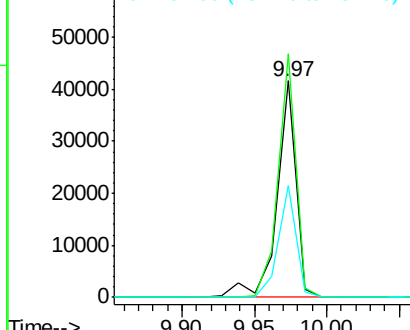
Tot Ion:	154	Resp:	37586
Ion Ratio	Lower	Upper	
154	100		
153	112.6	91.5	137.3
152	51.9	43.0	64.6

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



#52

3-Nitroaniline

Concen: 0.67 ng

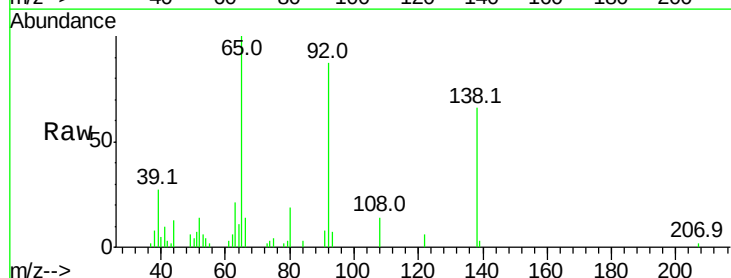
RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

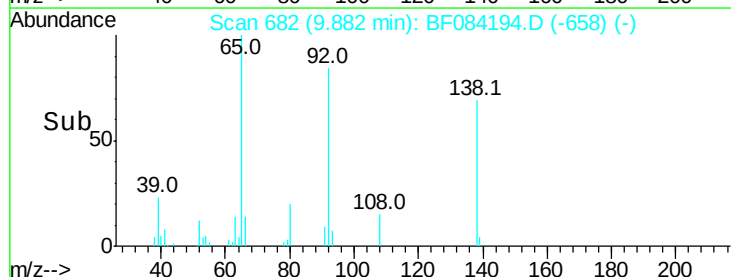
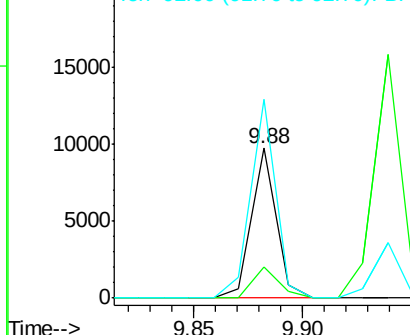
Lab File: BF084194.D

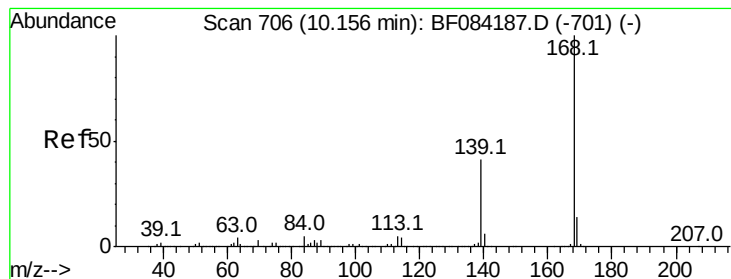
Acq: 31 Dec 2015 14:56

Tgt Ion:	138	Resp:	7661
Ion Ratio	Lower	Upper	
138	100		
108	21.1	10.5	15.7#
92	132.5	103.9	155.9



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





#54

Dibenzenofuran

Concen: Below Cal

RT: 10.14 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:168 Resp: 54748

Ion Ratio Lower Upper

168 100

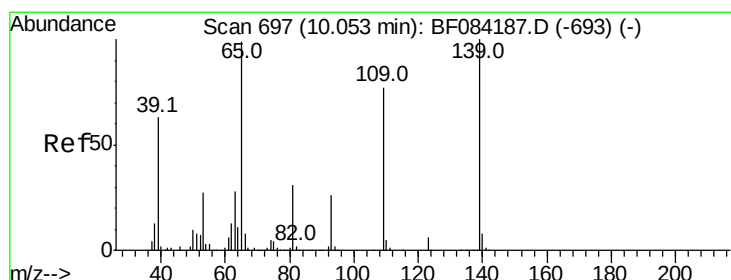
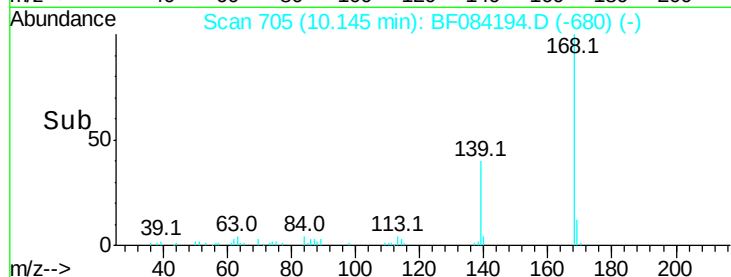
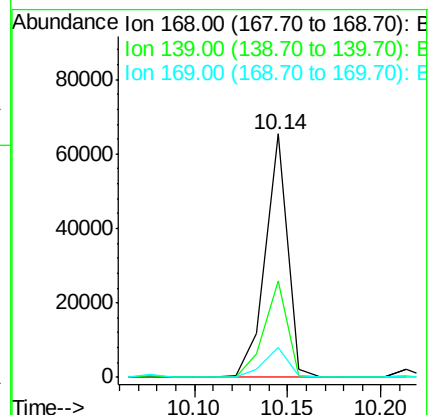
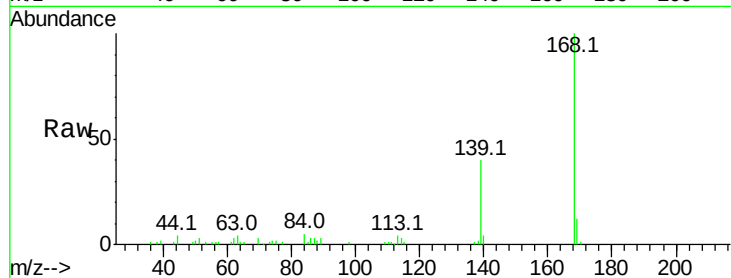
139 39.7 30.5 45.7

169 12.0 10.4 15.6

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#55

4-Nitrophenol

Concen: 0.46 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

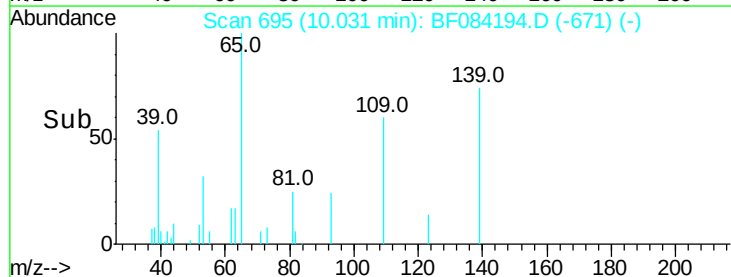
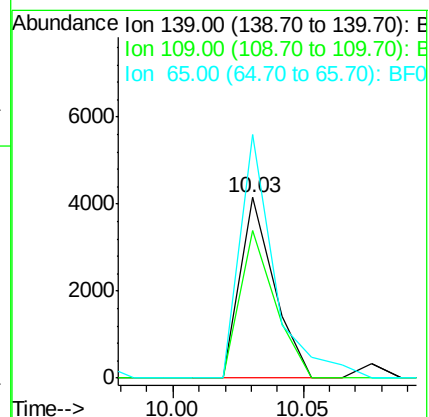
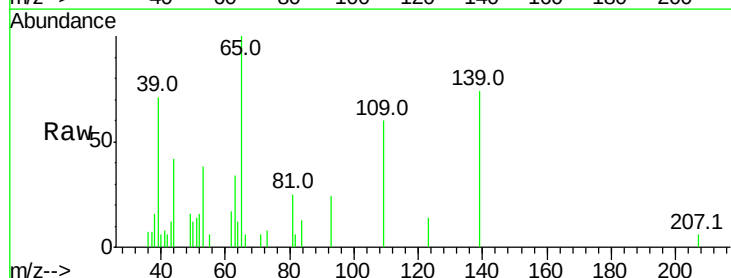
Tgt Ion:139 Resp: 3826

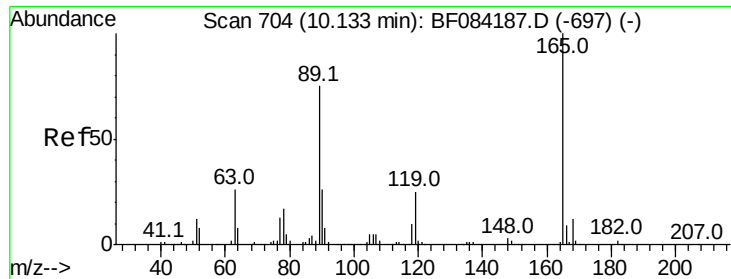
Ion Ratio Lower Upper

139 100

109 81.6 58.5 98.5

65 135.0 57.6 97.6#





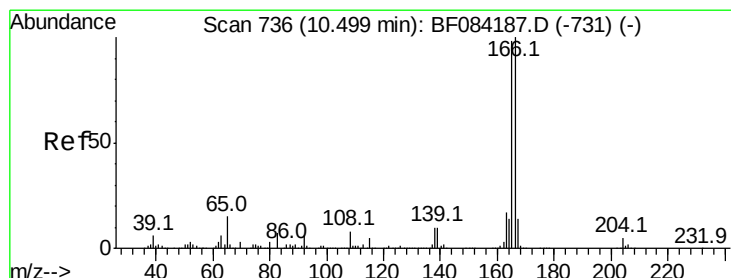
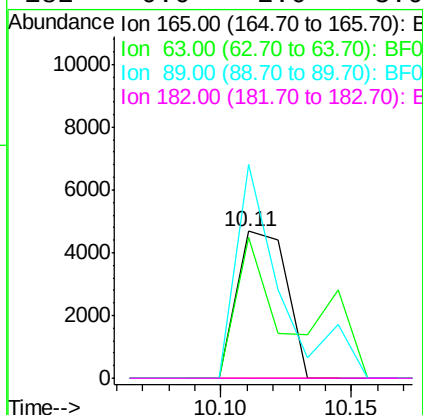
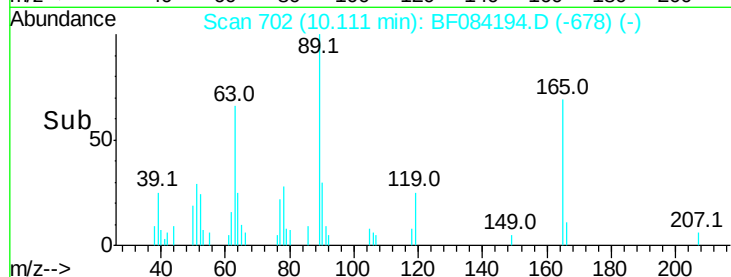
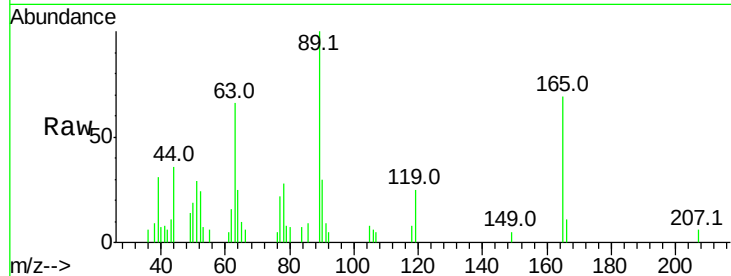
#56
2,4-Dinitrotoluene
Concen: 0.54 ng
RT: 10.11 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
165	100	6229		
63	95.9	36.7	55.1#	
89	145.5	61.9	92.9#	
182	0.0	2.0	3.0#	

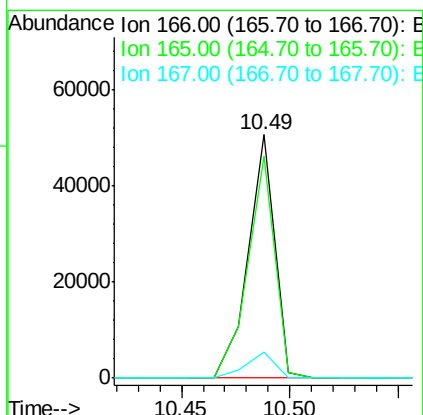
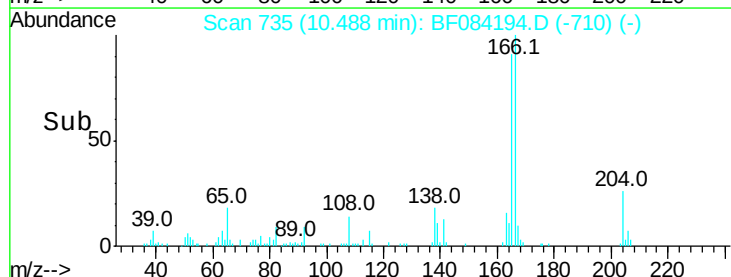
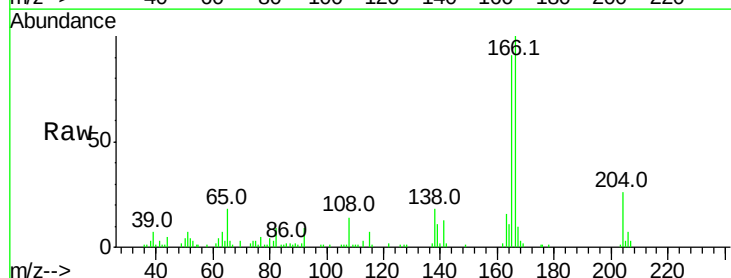
Manual Integrations
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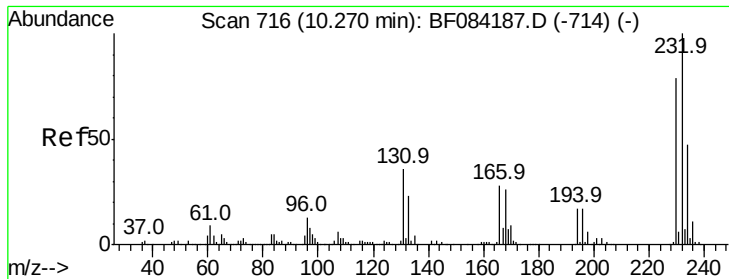
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#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	42873		
165	91.4	79.1	118.7	
167	10.5	10.4	15.6	





#58

2,3,4,6-Tetrachlorophenol

Concen: 0.77 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF084194.D

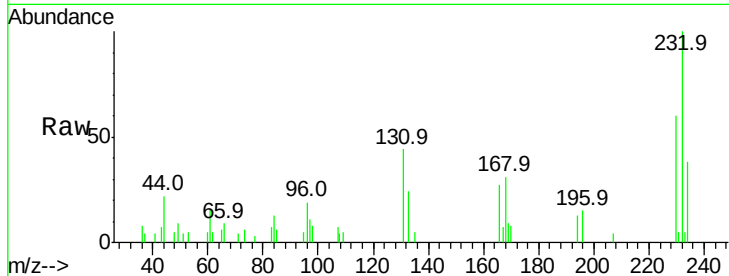
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01



Tot Ion:232 Resp: 7904

Ion Ratio Lower Upper

232 100

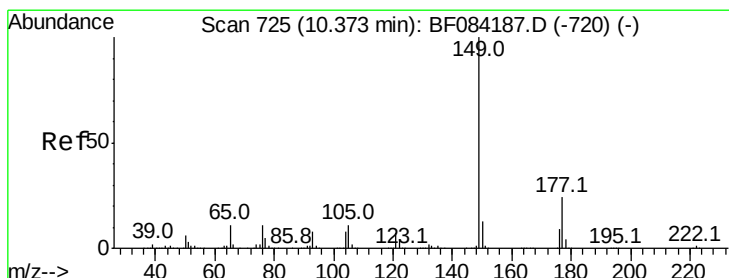
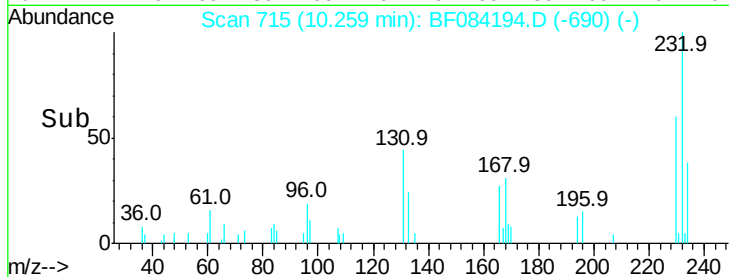
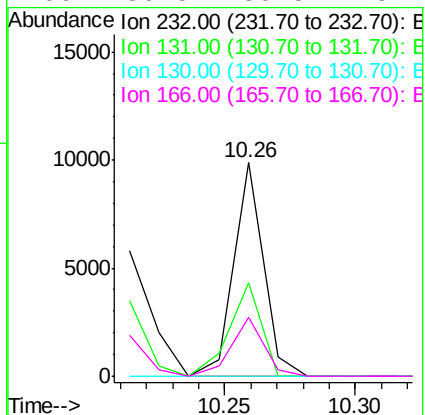
131 46.6 47.0 70.6#

130 0.0 2.0 3.0#

166 30.5 30.5 45.7#

Manual Integrations
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#59

Diethylphthalate

Concen: 1.06 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

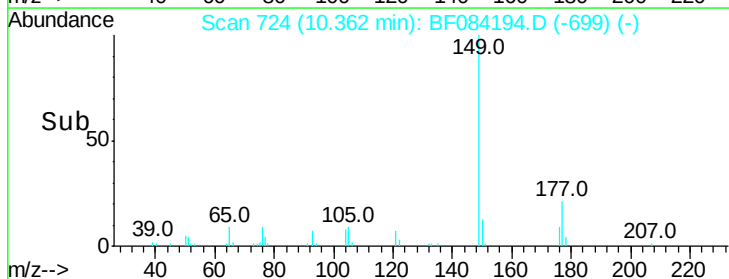
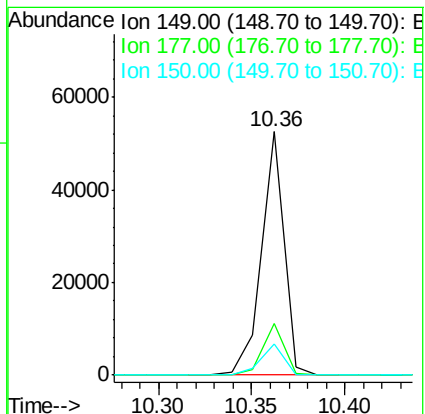
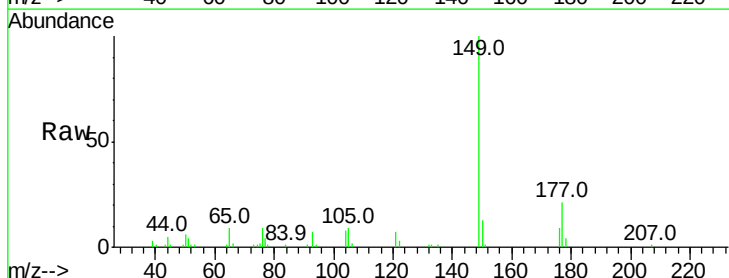
Tgt Ion:149 Resp: 43723

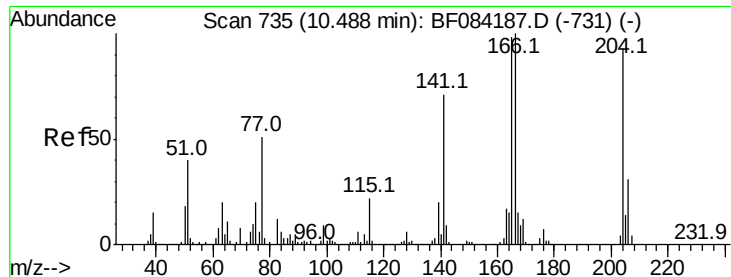
Ion Ratio Lower Upper

149 100

177 20.9 17.3 25.9

150 12.6 9.8 14.8





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.49 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:204 Resp: 16972

Ion Ratio Lower Upper

204 100

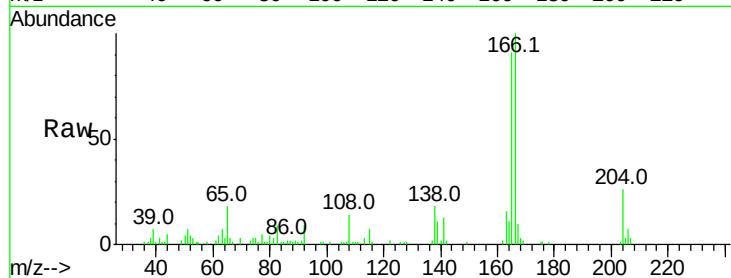
206 27.9 25.7 38.5

141 50.8 55.1 82.7#

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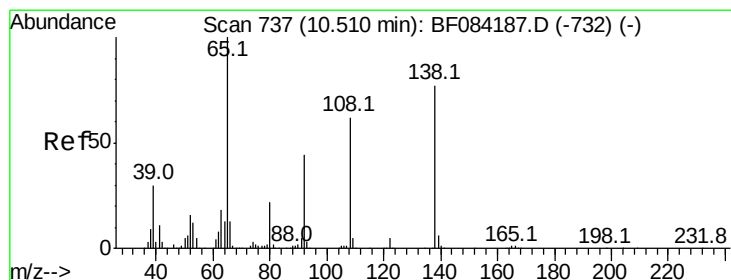
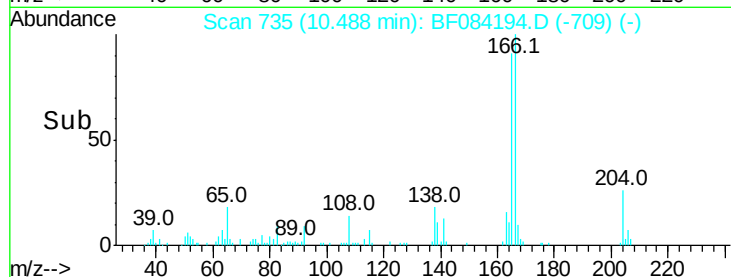
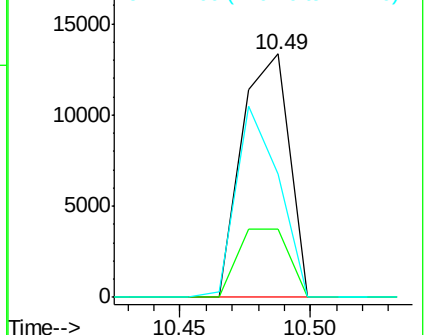
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Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 0.70 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

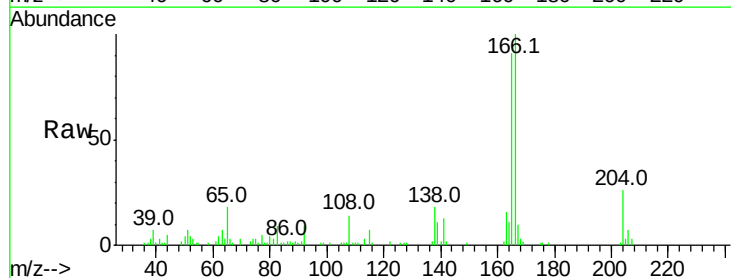
Tgt Ion:138 Resp: 7129

Ion Ratio Lower Upper

138 100

92 49.3 32.6 72.6

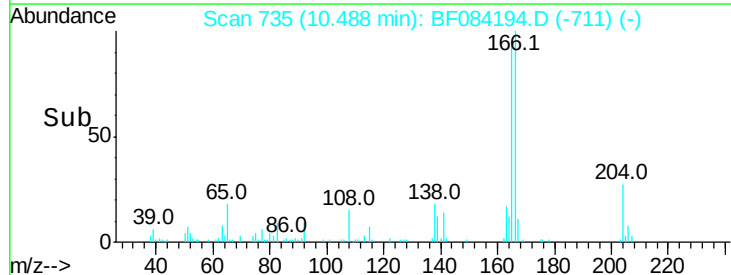
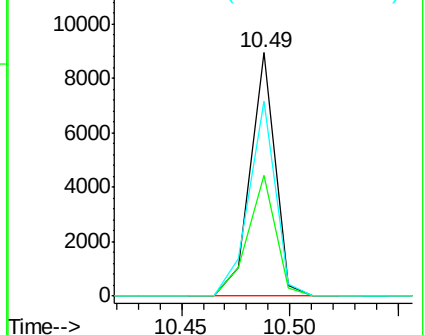
108 80.3 68.6 108.6

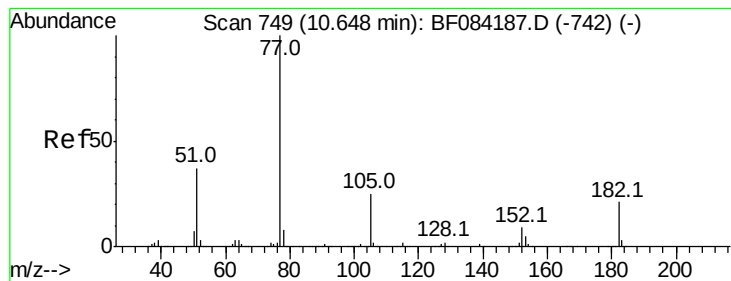


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 0.90 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF084194.D

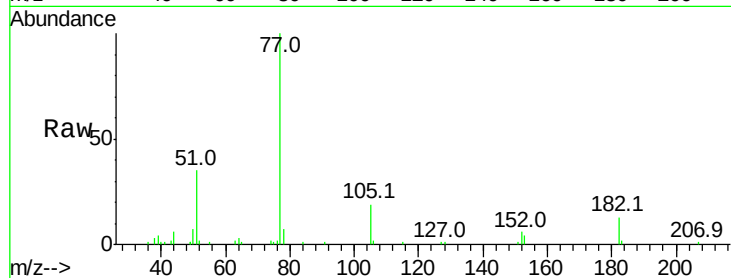
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

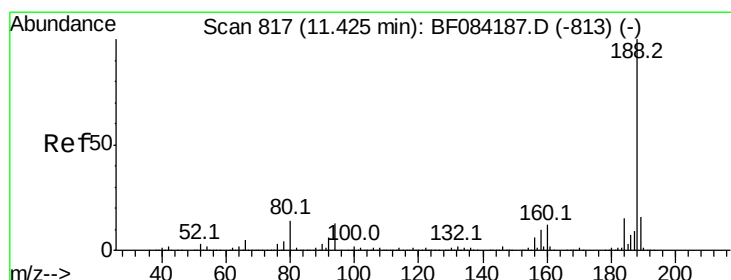
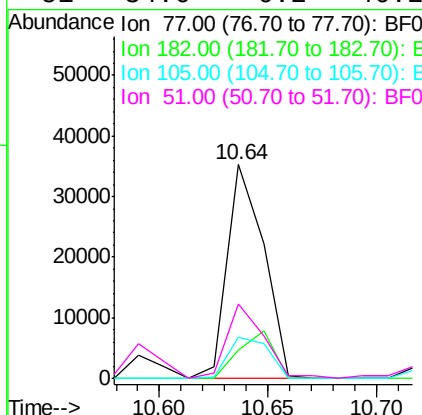
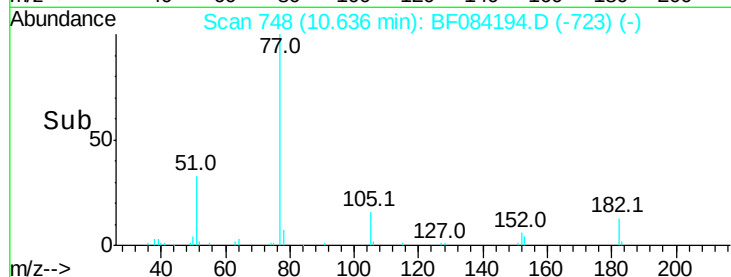
LOD-SOIL2016-01



Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		40913		
182	13.0	8.3	48.3		
105	19.3	4.6	44.6		
51	34.6	6.2	46.2		

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#63

Phenanthrene-d10

Concen: 20.00 ng

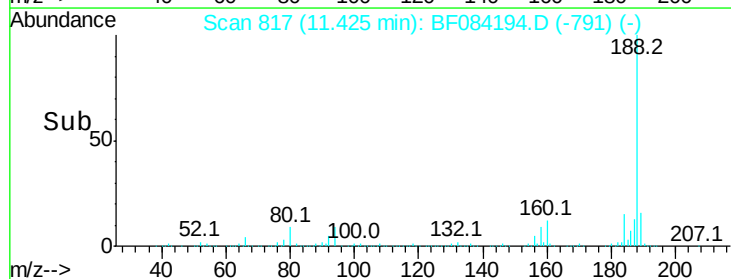
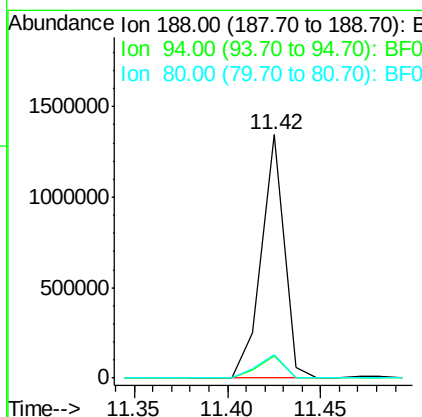
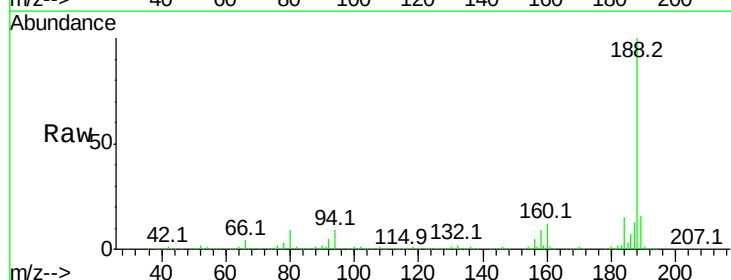
RT: 11.42 min Scan# 817

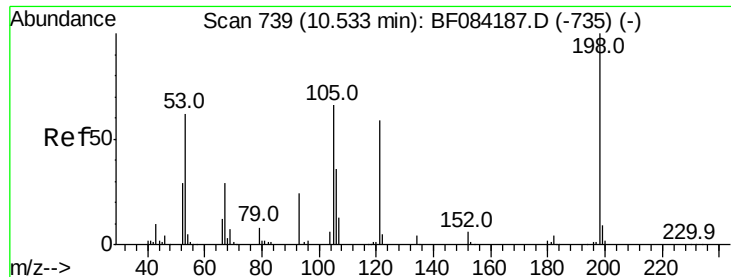
Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1139262		
94	8.9	9.0	13.4#		
80	9.5	9.6	14.4#		





#64

4,6-Dinitro-2-methylphenol

Concen: 6.50 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:198 Resp: 712

Ion Ratio Lower Upper

198 100

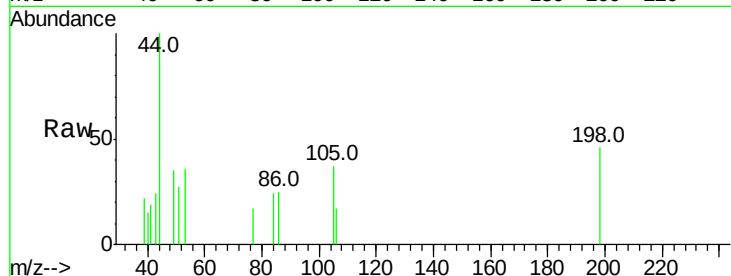
51 58.3 18.9 58.9

105 81.2 26.4 66.4#

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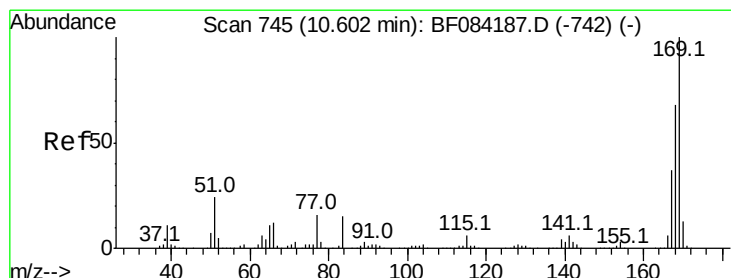
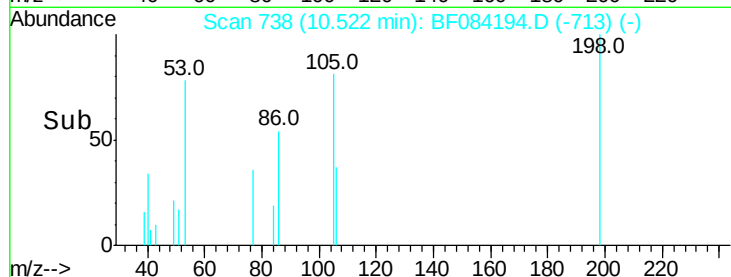
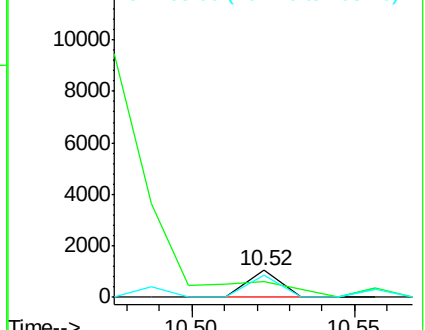
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.86 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

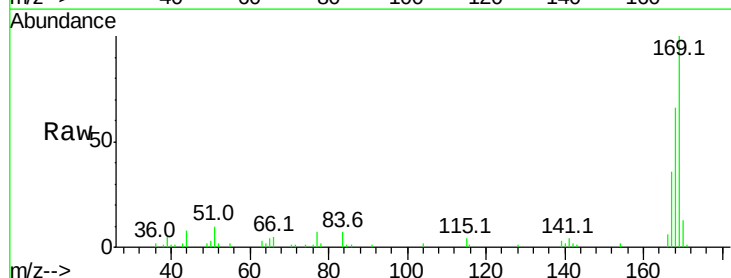
Tgt Ion:169 Resp: 31459

Ion Ratio Lower Upper

169 100

168 66.3 55.1 82.7

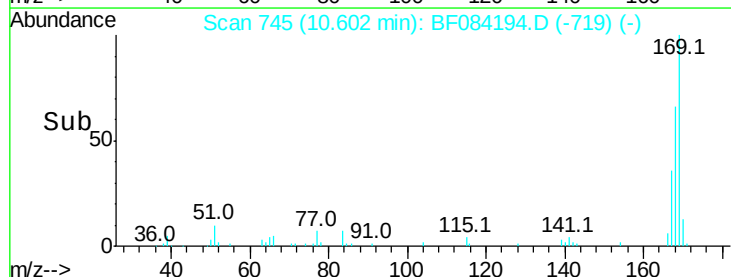
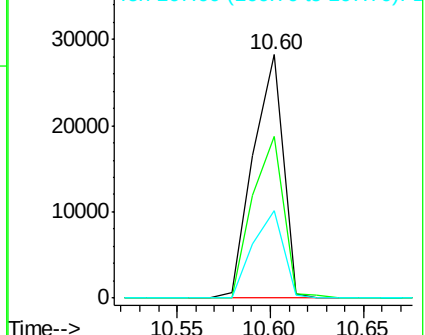
167 35.7 30.0 45.0

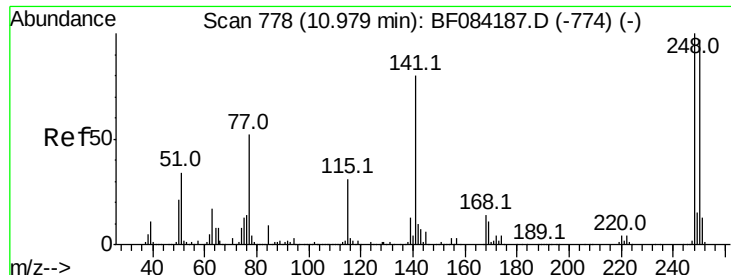


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





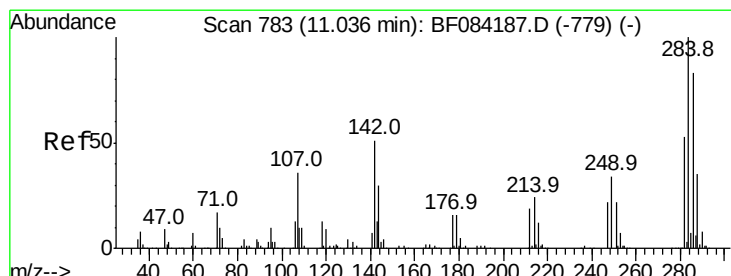
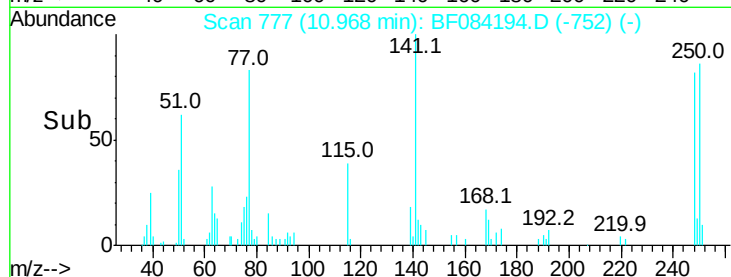
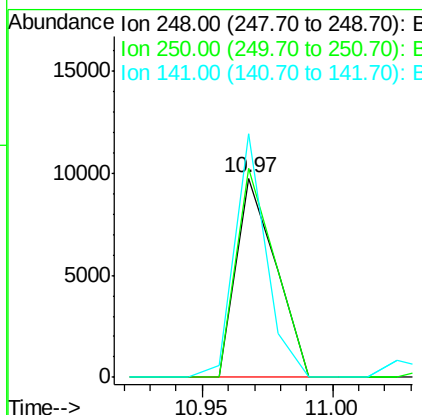
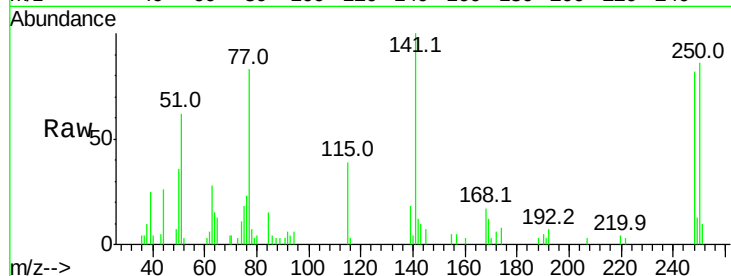
#66
 4-Bromophenyl-phenylether
 Concen: 0.84 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:	248	Resp:	10273
Ion Ratio	Lower	Upper	
248	100		
250	105.1	78.4	117.6
141	122.3	44.0	66.0#

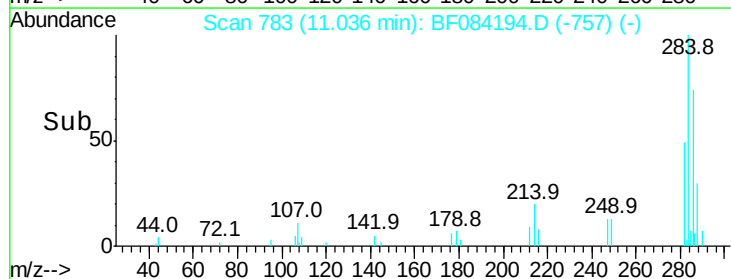
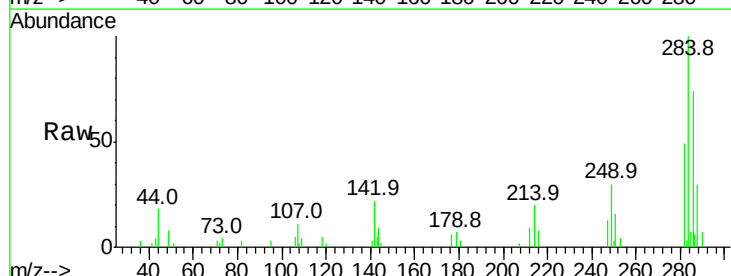
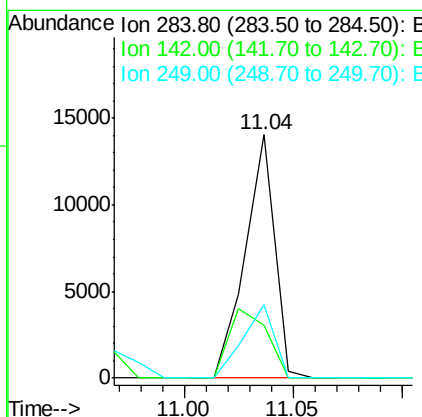
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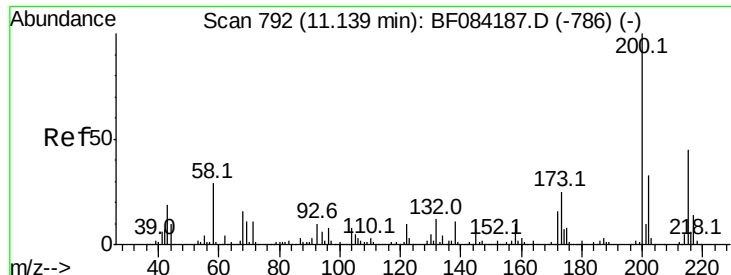
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#67
 Hexachlorobenzene
 Concen: 0.96 ng
 RT: 11.04 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion:	284	Resp:	13236
Ion Ratio	Lower	Upper	
284	100		
142	21.8	22.2	33.4#
249	30.1	24.6	37.0





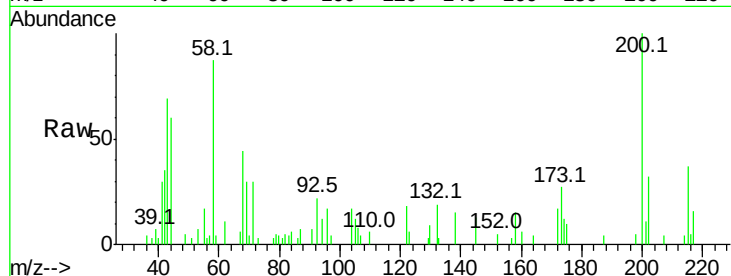
#68
Atrazine
Concen: 0.84 ng
RT: 11.12 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

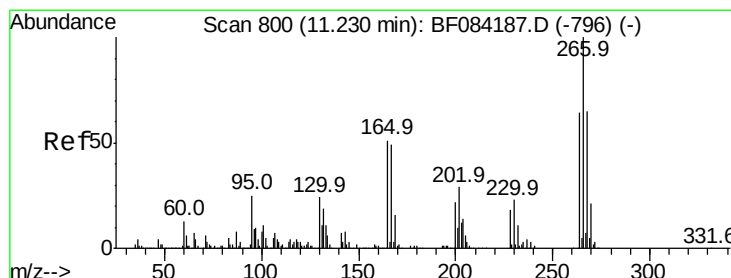
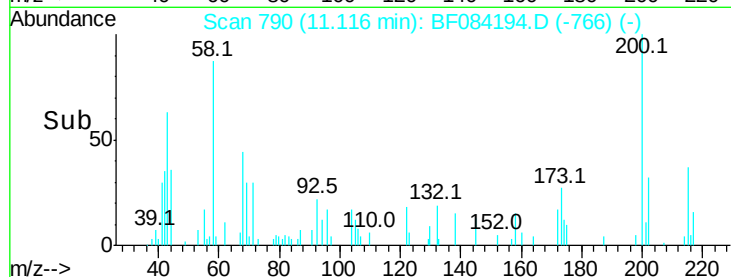
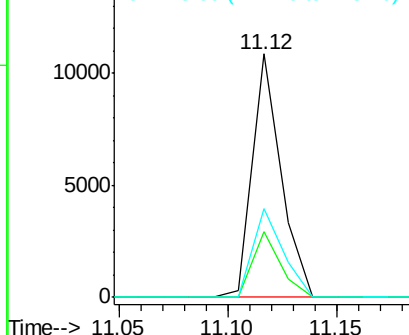
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.1	9.5	49.5
215	36.7	23.8	63.8

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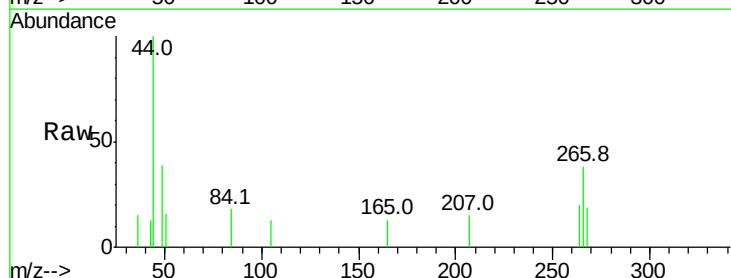


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

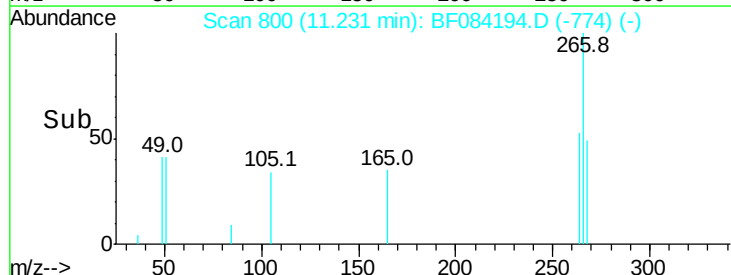
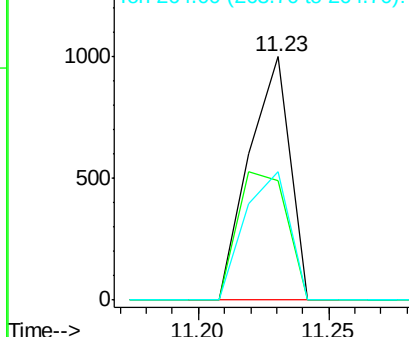


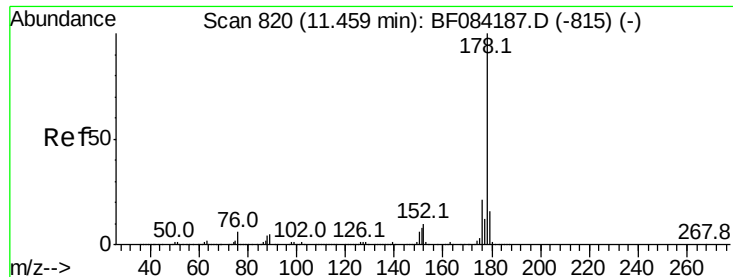
#69
Pentachlorophenol
Concen: 0.15 ng
RT: 11.23 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	49.0	52.4	78.6#
264	52.9	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





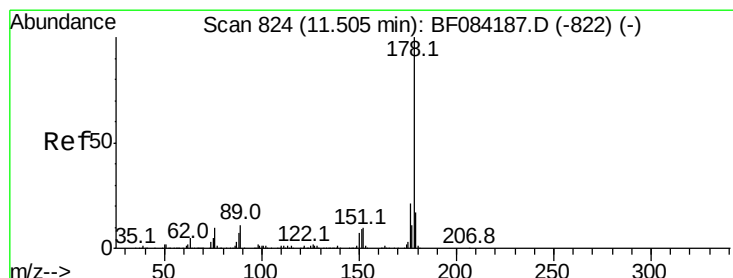
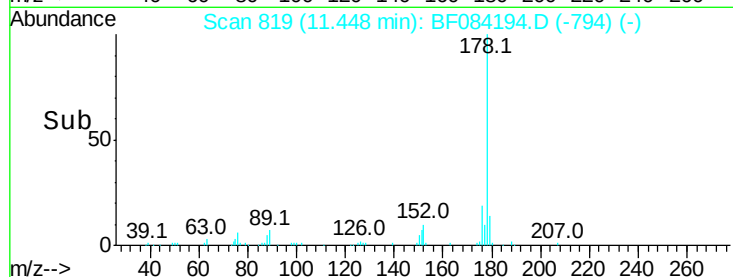
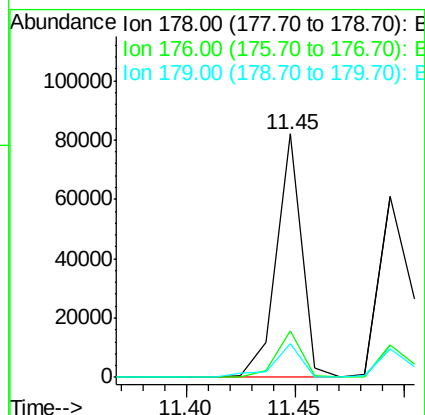
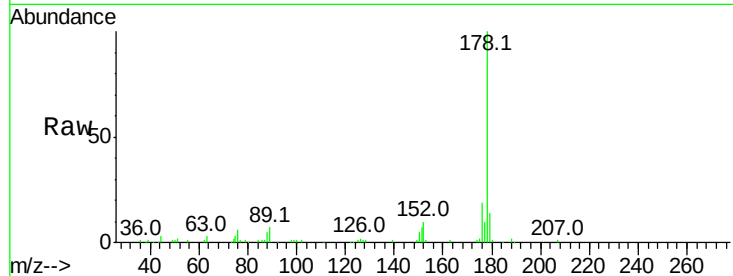
#70
Phenanthrene
Concen: 1.12 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	14.0	12.0	18.0

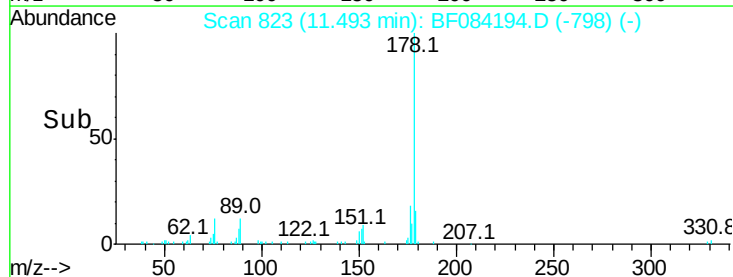
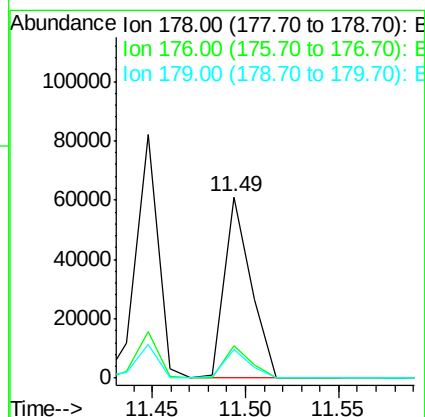
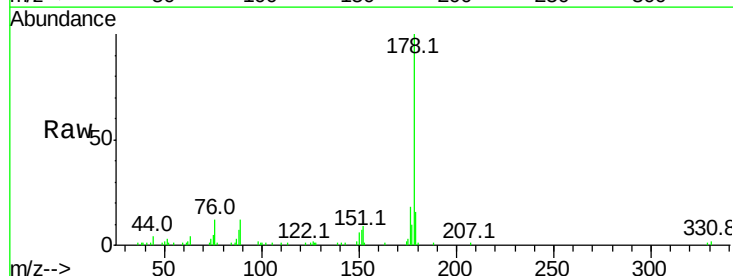
Manual Integrations
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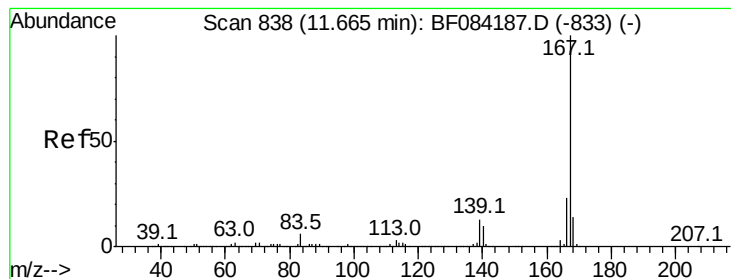
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#71
Anthracene
Concen: 1.05 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	16.0	12.5	18.7





#72

Carbazole

Concen: 0.90 ng

RT: 11.65 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

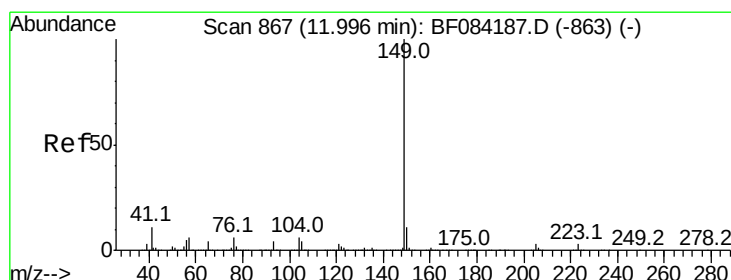
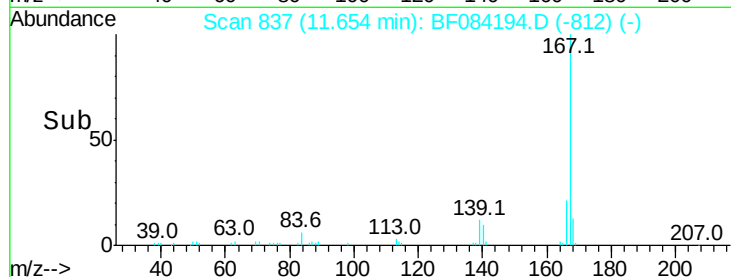
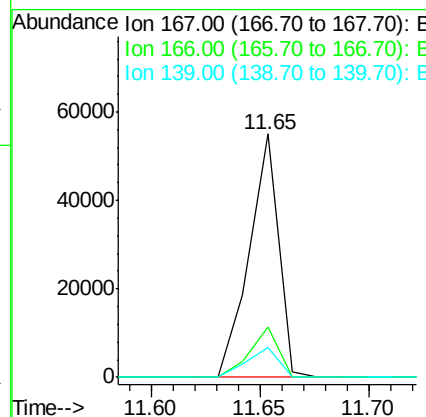
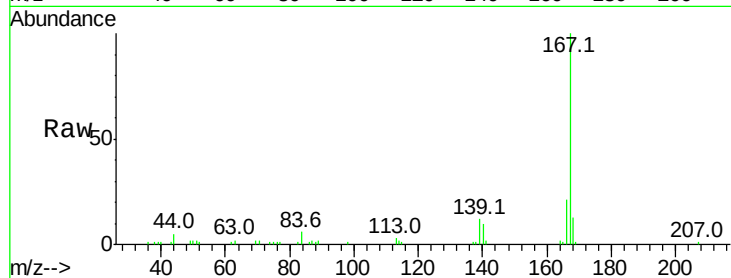
ClientSampleId :

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Tot Ion:	167	Resp:	51281
Ion Ratio	Lower	Upper	
167	100		
166	20.5	17.6	26.4
139	12.2	11.8	17.8

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#73

Di-n-butylphthalate

Concen: Below Cal

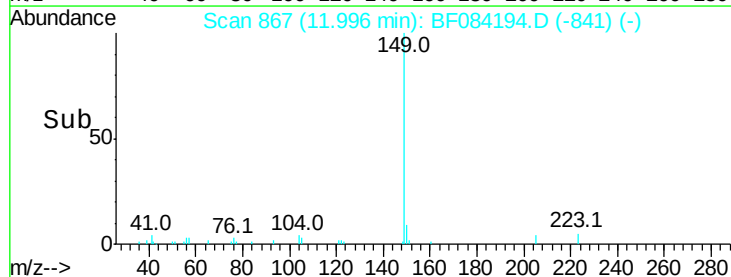
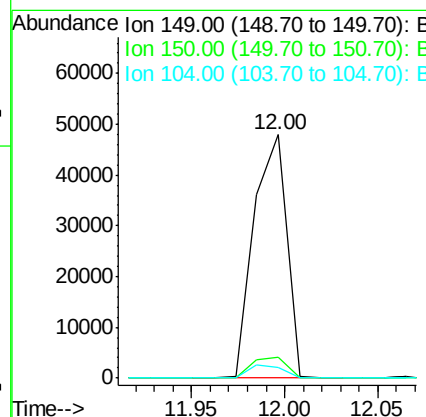
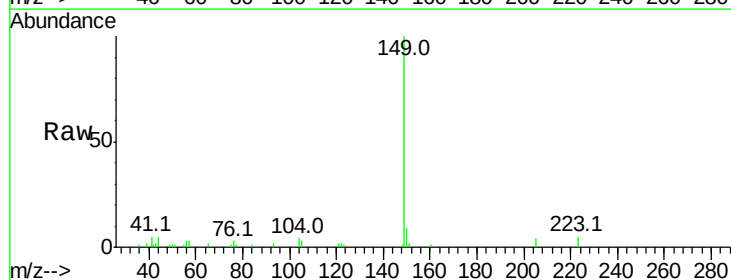
RT: 12.00 min Scan# 867

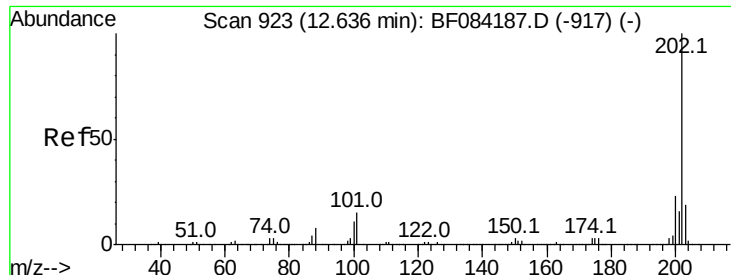
Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	149	Resp:	58235
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.1	10.7
104	4.3	3.2	4.8





#74

Fluoranthene

Concen: 0.93 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF084194.D

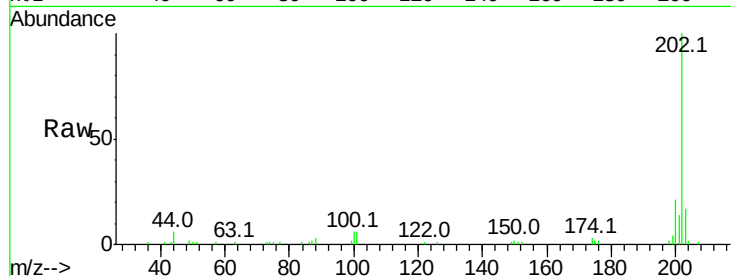
Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

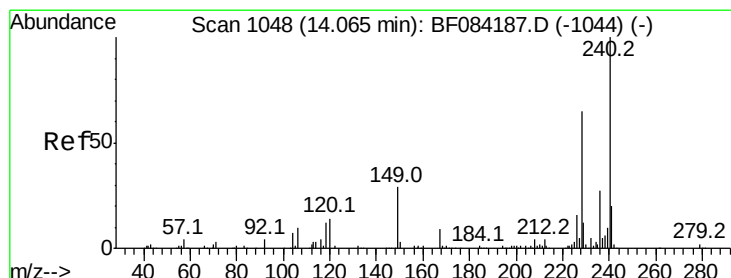
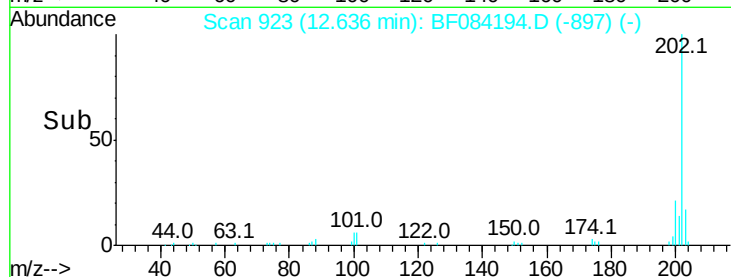
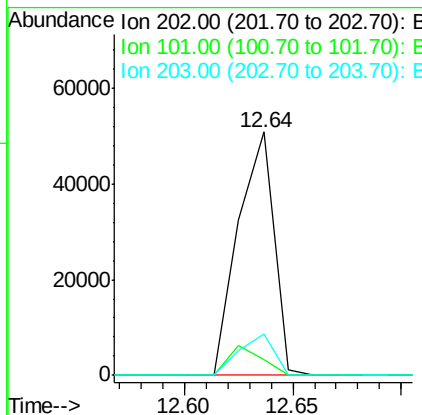
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Tot Ion	Ratio	Resp	Lower	Upper
202	100	57937		
101	6.4		0.0	32.8
203	17.1		0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

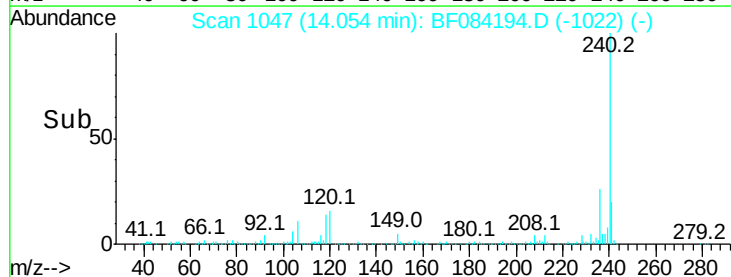
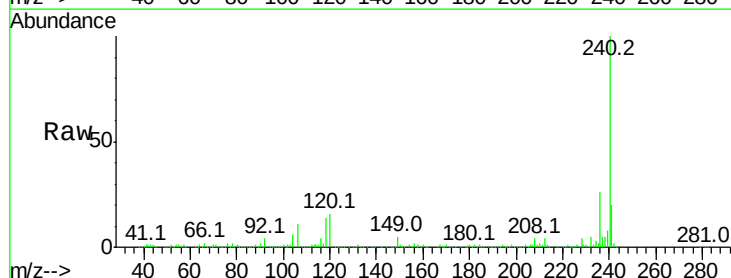
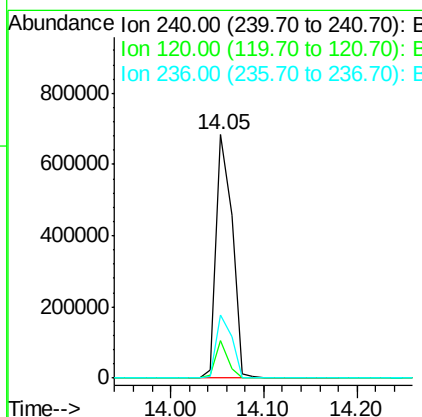
RT: 14.05 min Scan# 1047

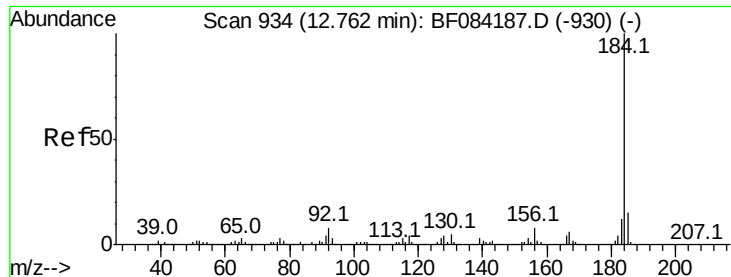
Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	813872		
120	15.6		9.5	14.3#
236	25.9		20.6	31.0





#76

Benzidine

Concen: 0.65 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:184 Resp: 18896

Ion Ratio Lower Upper

184 100

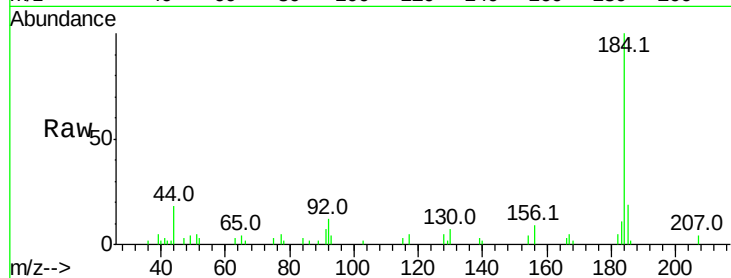
185 19.4 12.2 18.2#

183 11.1 9.8 14.8

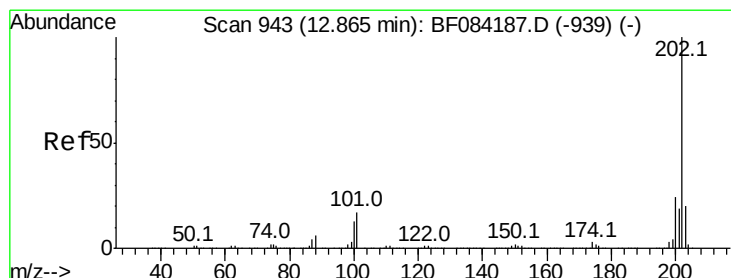
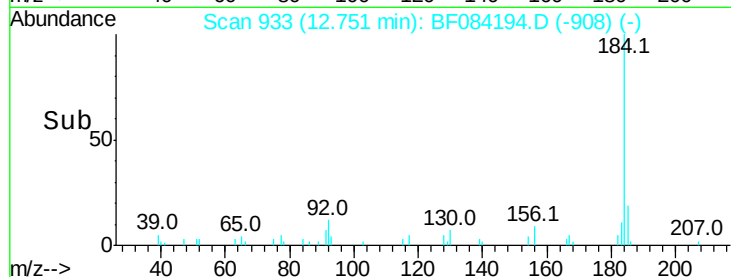
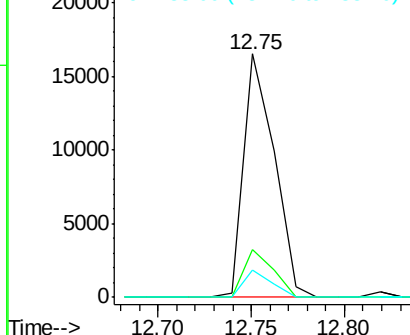
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.92 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

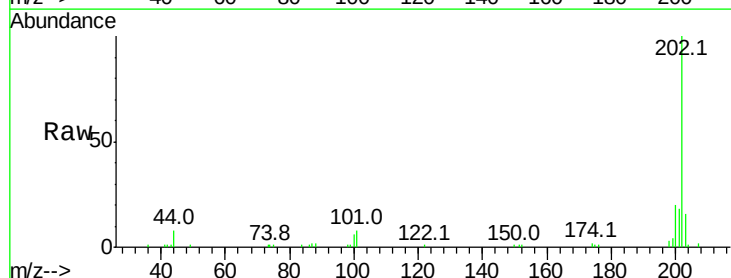
Tgt Ion:202 Resp: 59020

Ion Ratio Lower Upper

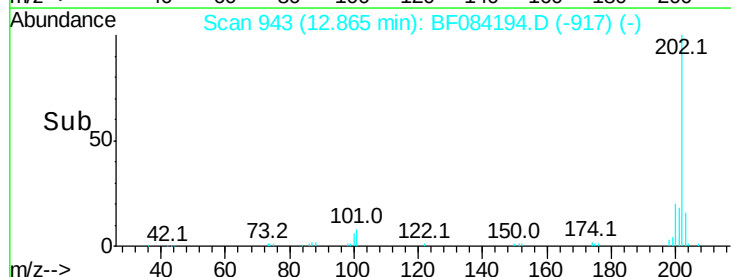
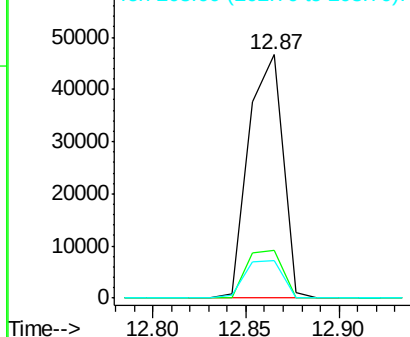
202 100

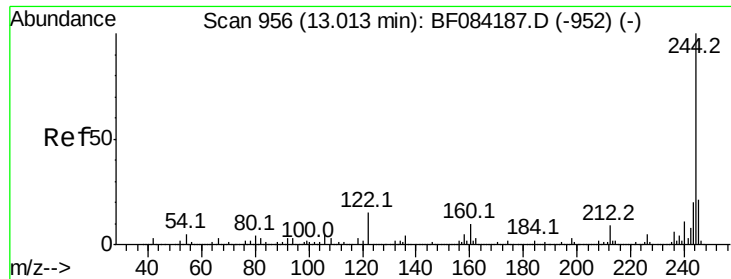
200 19.7 17.2 25.8

203 15.5 14.3 21.5



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





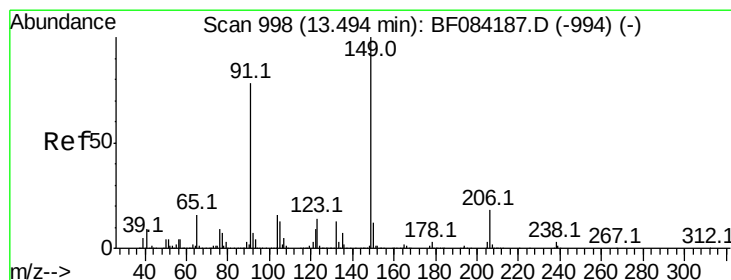
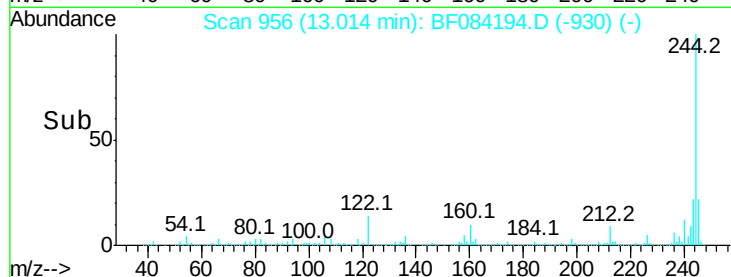
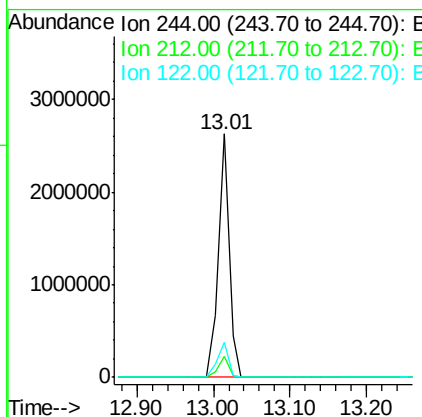
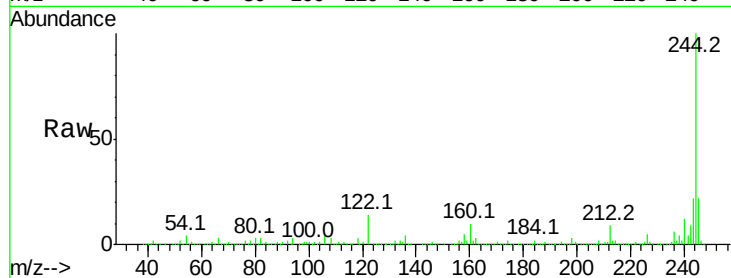
#78
 Terphenyl-d14
 Concen: 70.97 ng
 RT: 13.01 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.7	8.5#
122	14.4	7.4	11.0#

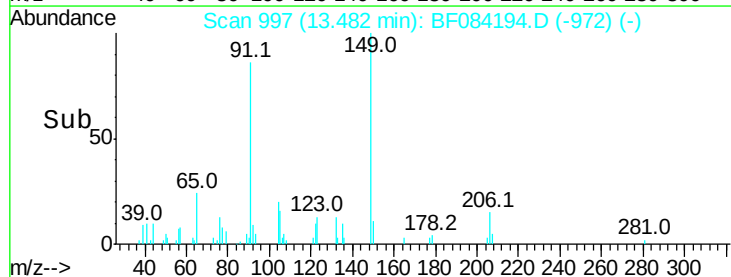
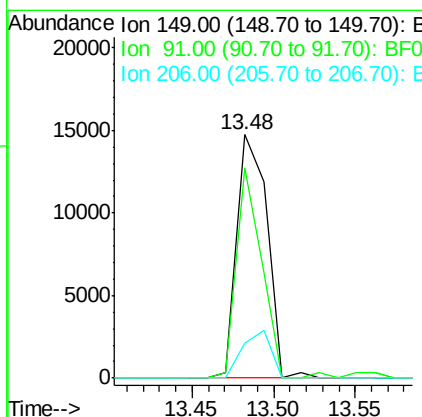
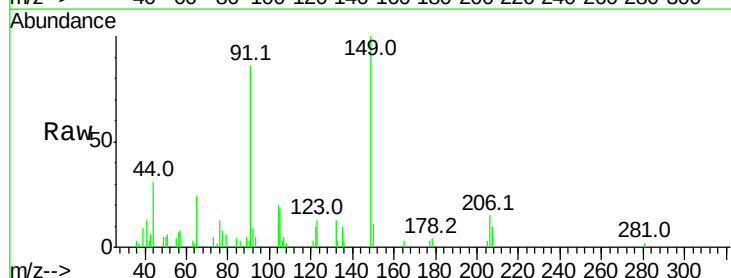
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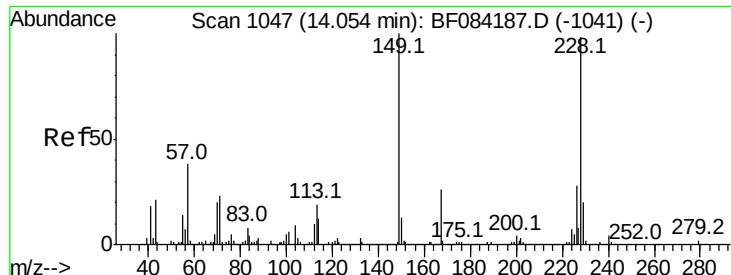
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#79
 Butylbenzylphthalate
 Concen: 0.68 ng
 RT: 13.48 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: BF084194.D
 Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
149	100		
91	86.3	57.6	86.4
206	14.6	13.2	19.8





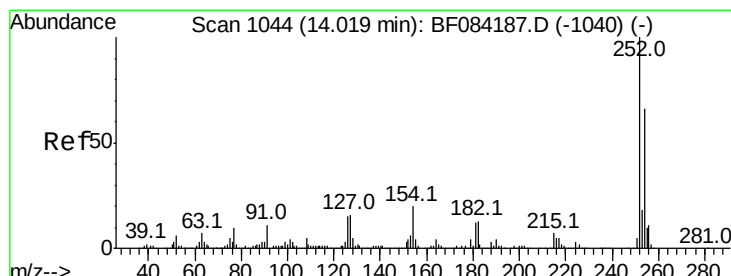
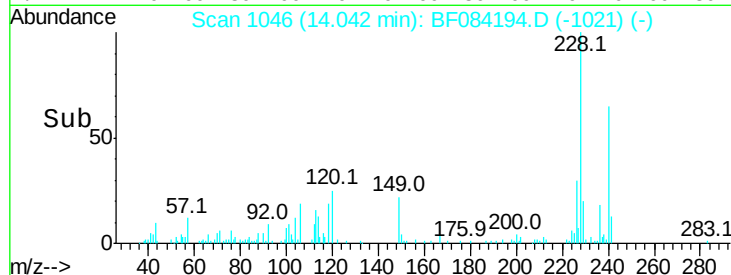
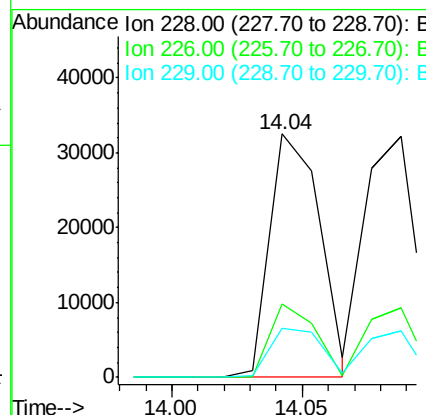
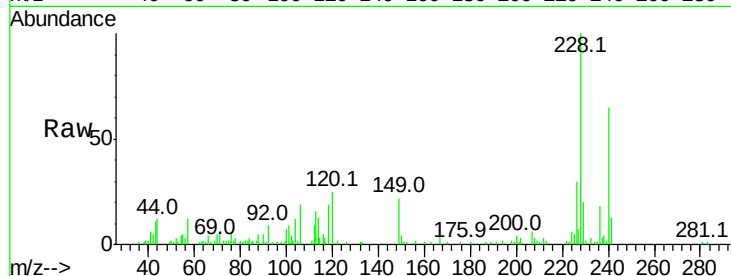
#80
Benzo(a)anthracene
Concen: 0.91 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.8	32.6
229	20.4	15.8	23.8

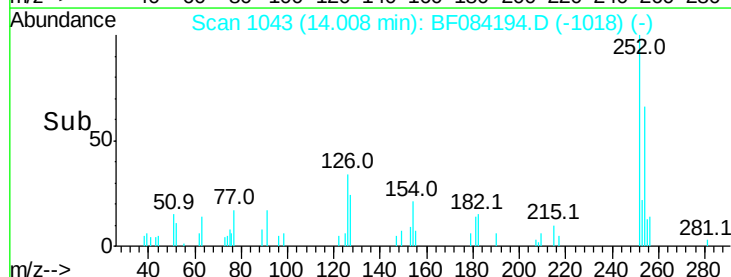
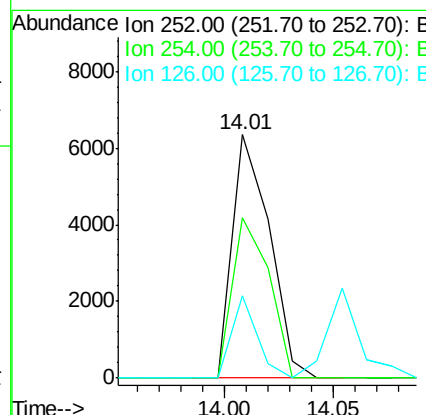
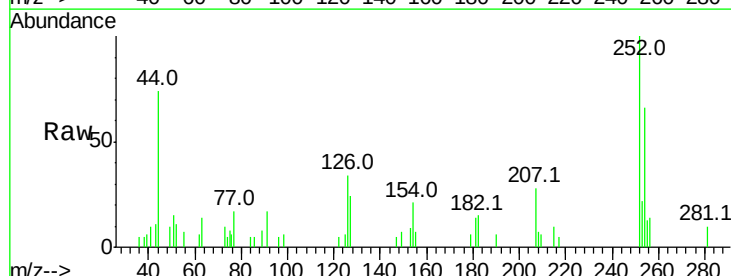
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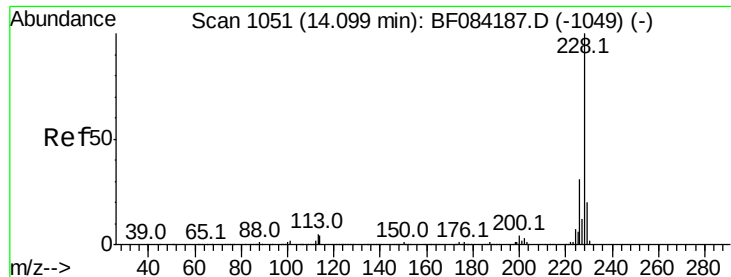
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#81
3,3'-Dichlorobenzidine
Concen: 0.45 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.0	53.5	80.3
126	33.6	4.9	7.3#





#82

Chrysene

Concen: 0.93 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

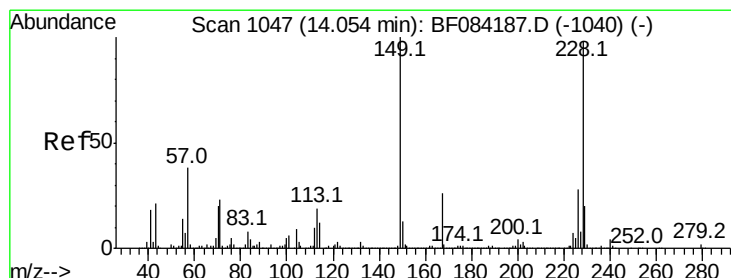
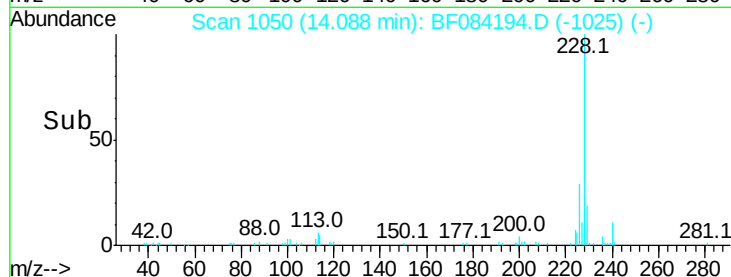
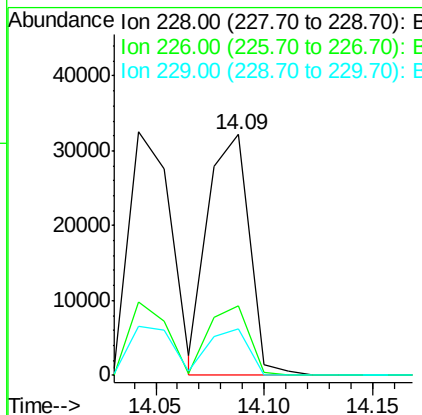
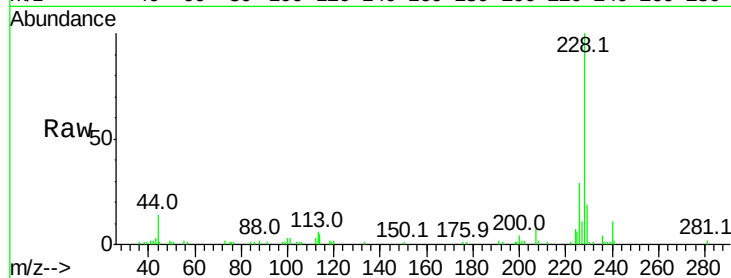
ClientSampleId :

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Tot Ion:	228	Resp:	42554
Ion Ratio		Lower	Upper
228	100		
226	28.9	24.3	36.5
229	19.1	16.1	24.1

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#83

Bis(2-ethylhexyl)phthalate

Concen: 0.83 ng

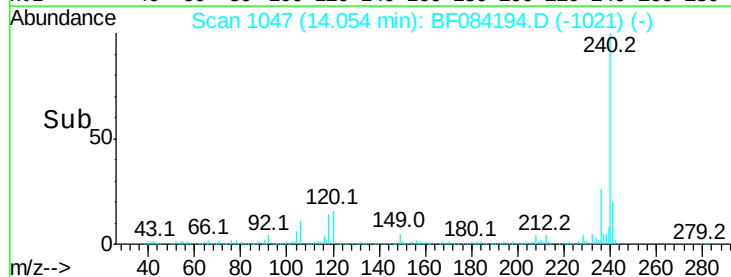
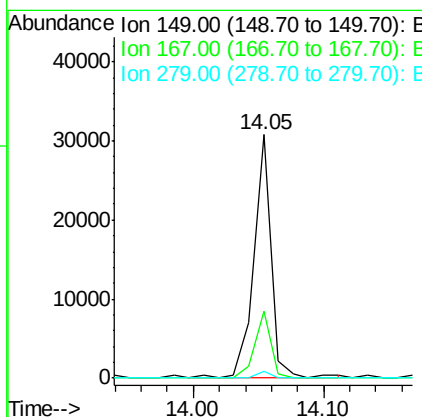
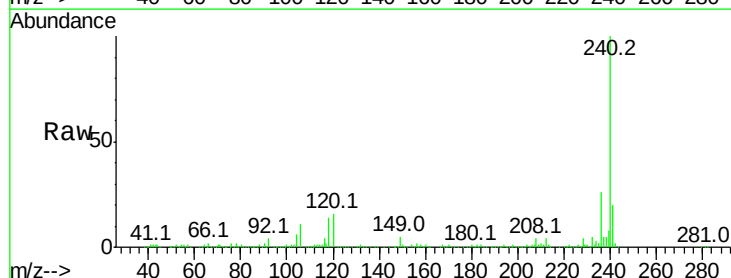
RT: 14.05 min Scan# 1047

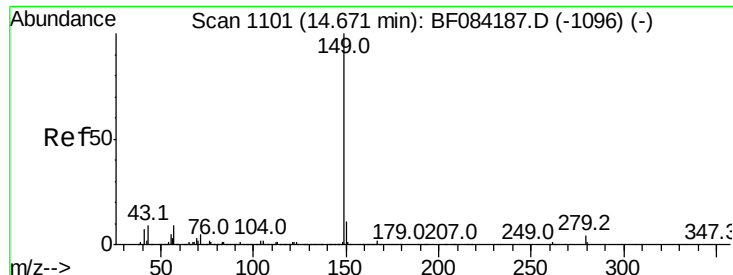
Delta R.T. 0.00 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	149	Resp:	28830
Ion Ratio		Lower	Upper
149	100		
167	27.7	19.7	29.5
279	2.6	1.8	2.6





#84

Di-n-octyl phthalate

Concen: 0.68 ng

RT: 14.66 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Instrument :

BNA_F

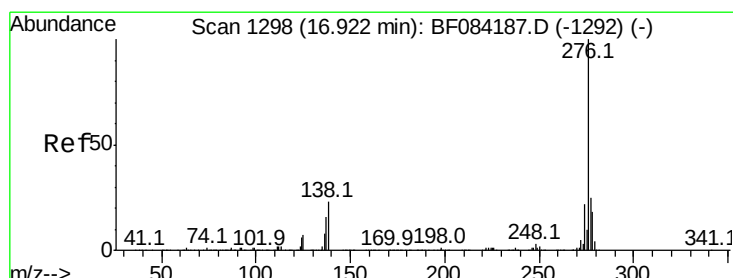
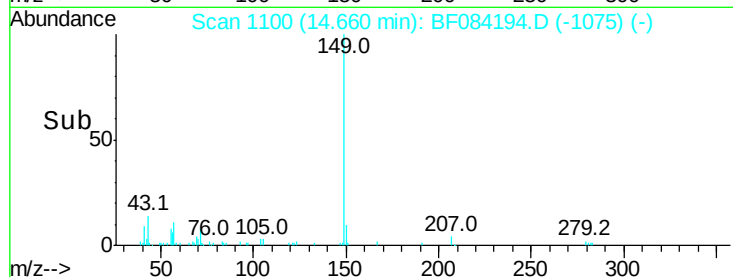
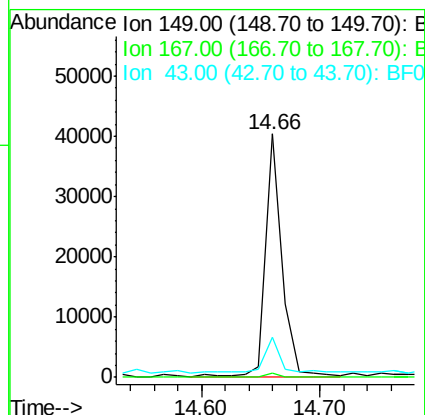
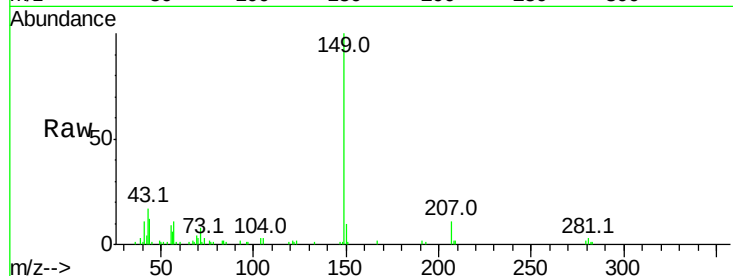
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	149	Resp:	39893
Ion Ratio	Lower	Upper	
149	100		
167	1.2	1.2	1.8
43	17.4	5.6	8.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 0.76 ng

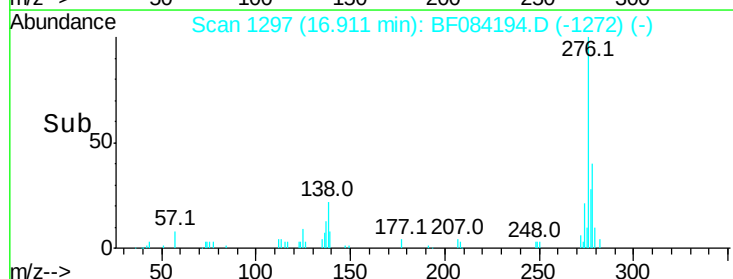
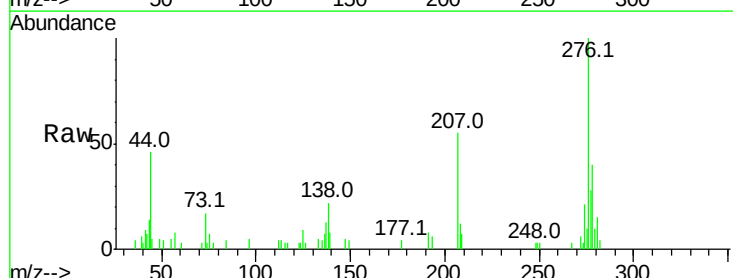
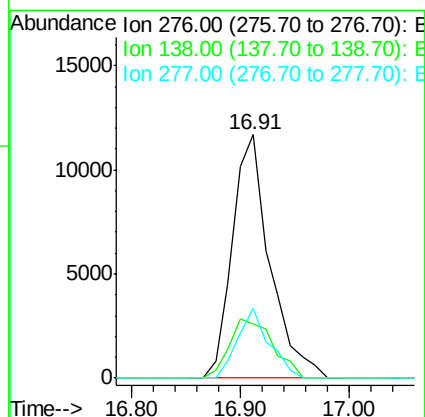
RT: 16.91 min Scan# 1297

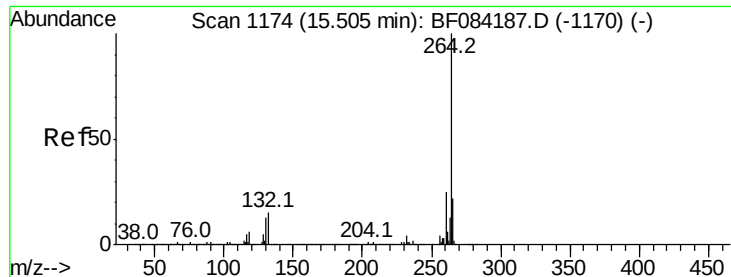
Delta R.T. -0.01 min

Lab File: BF084194.D

Acq: 31 Dec 2015 14:56

Tgt Ion:	276	Resp:	27809
Ion Ratio	Lower	Upper	
276	100		
138	28.1	20.6	30.8
277	24.2	20.1	30.1





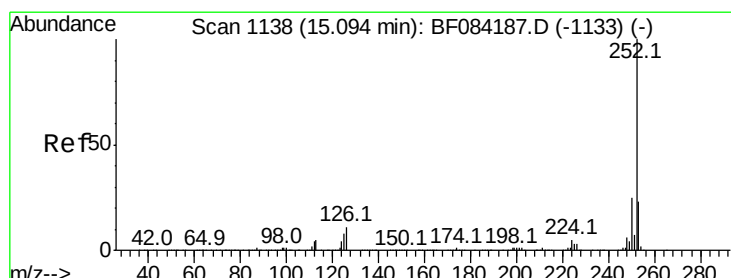
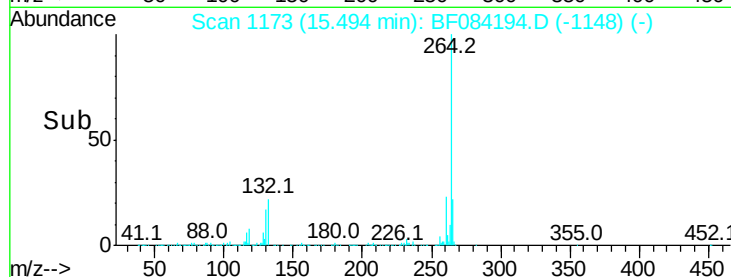
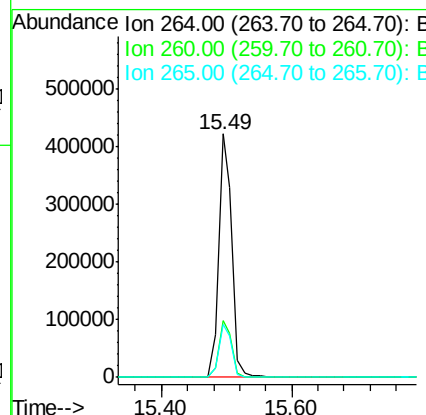
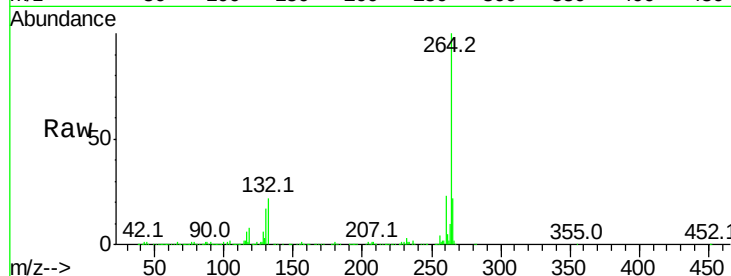
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.9	17.8	26.6

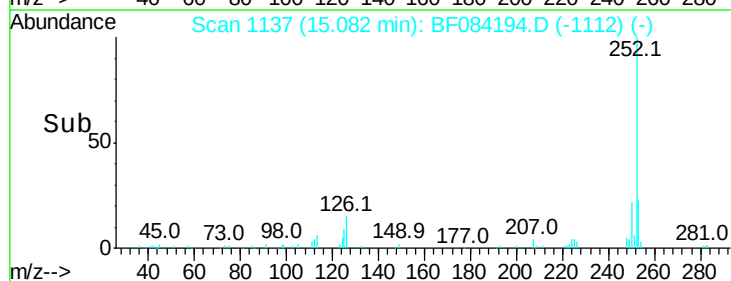
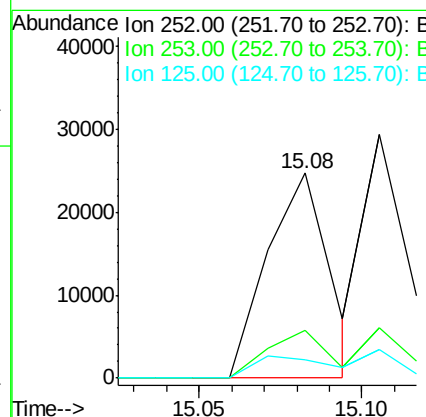
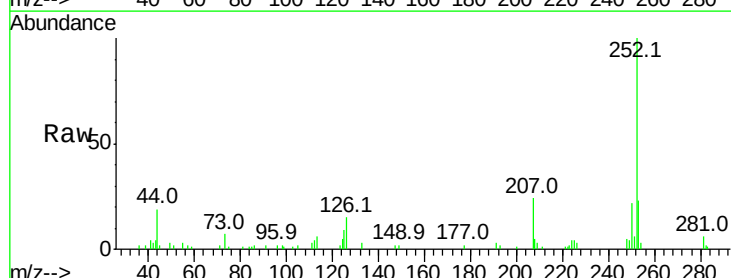
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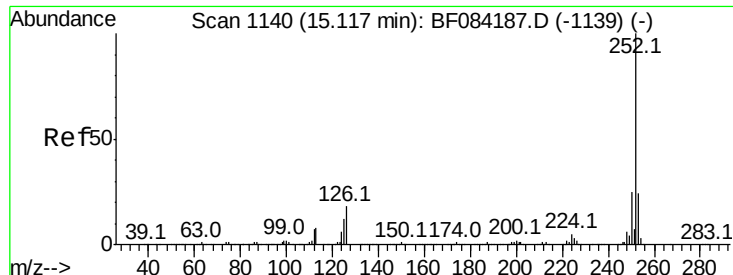
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#87
Benzo(b)fluoranthene
Concen: 0.83 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	8.9	6.5	9.7





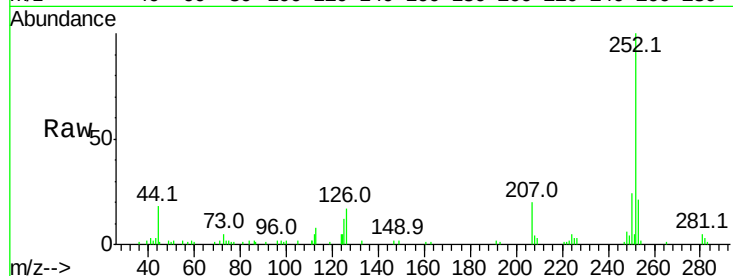
#88
Benzo(k)fluoranthene
Concen: 0.88 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

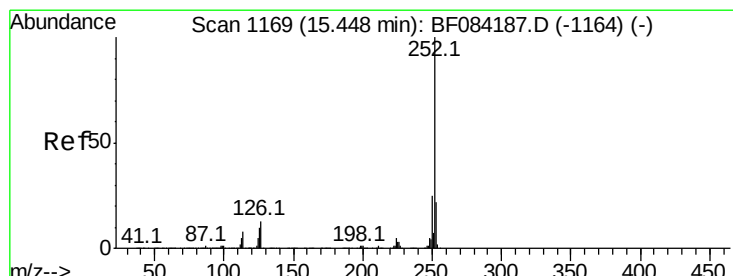
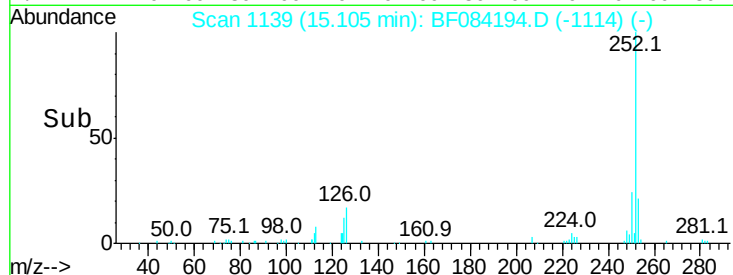
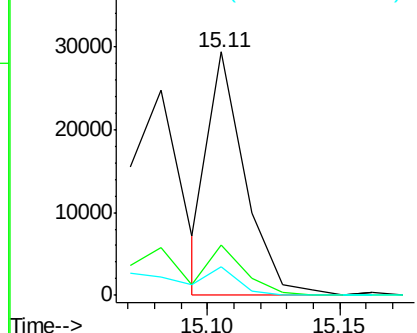
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	20.5	18.1	27.1
125	11.8	9.0	13.6

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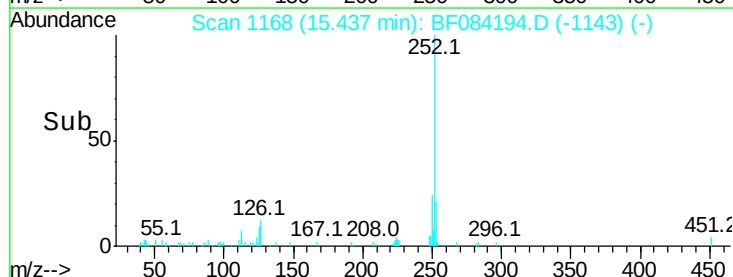
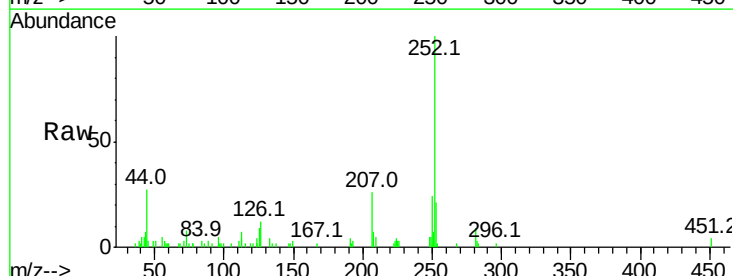
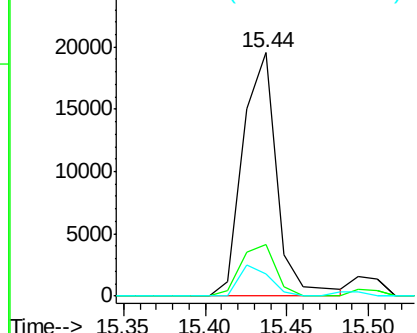
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

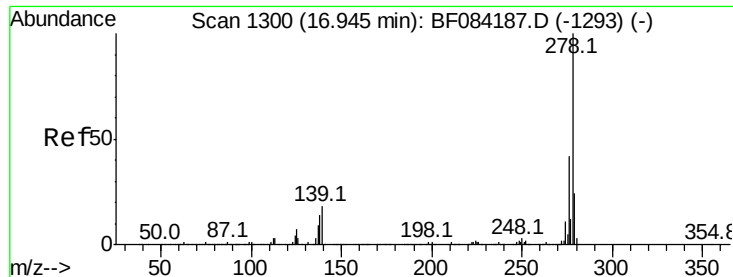


#89
Benzo(a)pyrene
Concen: 0.84 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.1	17.3	25.9
125	8.9	7.0	10.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





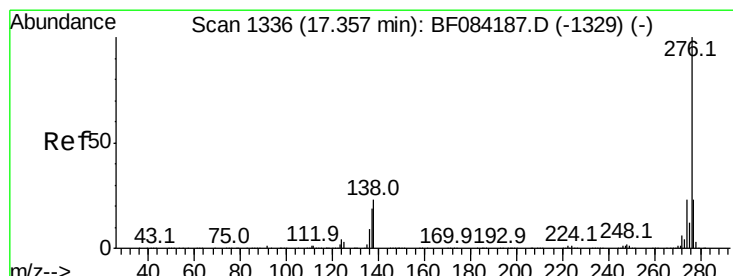
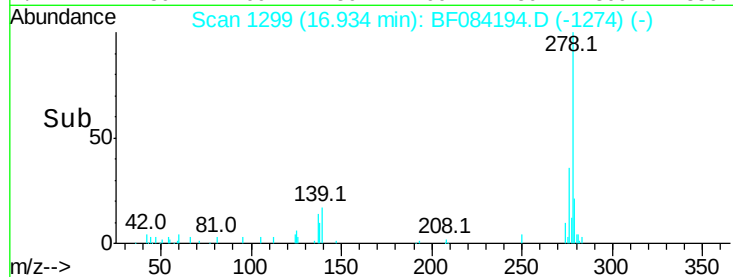
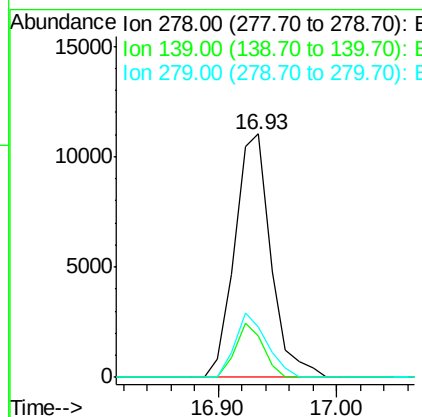
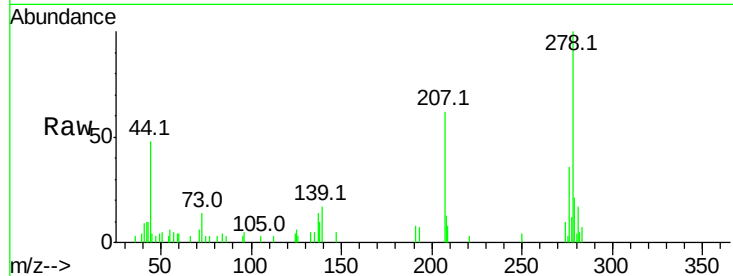
#90
Dibenzo(a,h)anthracene
Concen: 0.82 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Tot Ion:	278	Resp:	23459
Ion Ratio	Lower	Upper	
278	100		
139	17.1	15.0	22.4
279	20.8	18.9	28.3

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#91
Benzo(g,h,i)perylene
Concen: 0.85 ng
RT: 17.33 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF084194.D
Acq: 31 Dec 2015 14:56

Tgt Ion:	276	Resp:	25268
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.8	28.2
138	21.0	17.8	26.6

