

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086829.D
 Acq On : 9 May 2016 18:18
 Operator : UM/SJ
 Sample : H2817-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 10 02:03:08 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	162582	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	712784	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	339043	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	657840	20.00	ng	0.00
75) Chrysene-d12	13.84	240	414987	20.00	ng	0.00
86) Perylene-d12	15.21	264	387552	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1136053	118.34	ng	0.01
7) Phenol-d6	6.37	99	1530128	119.26	ng	0.01
23) Nitrobenzene-d5	7.26	82	1044724	73.60	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	425339	118.50	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1561834	77.42	ng	0.00
78) Terphenyl-d14	12.80	244	1583985	80.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.20	88	322	0.07	ng	# 22
4) n-Nitrosodimethylamine	2.84	42	339	0.04	ng	# 1
6) Aniline	6.38	93	47735	3.08	ng	# 1
8) 2-Chlorophenol	6.49	128	1005718	86.82	ng	# 87
9) Benzaldehyde	6.38	77	23636	3.18	ng	# 4
10) Phenol	6.38	94	1981828	129.95	ng	# 82
11) bis(2-Chloroethyl)ether	6.45	93	1270571	106.85	ng	# 93
12) 1,3-Dichlorobenzene	6.64	146	1714499	136.76	ng	# 91
13) 1,4-Dichlorobenzene	6.72	146	1789770	140.00	ng	# 93
14) 1,2-Dichlorobenzene	6.88	146	2170802	194.82	ng	# 96
15) Benzyl Alcohol	6.99	79	622	0.07	ng	# 92
16) 2,2'-oxybis(1-Chloropropan	6.98	45	905	0.04	ng	# 49
17) 2-Methylphenol	6.88	107	18767	2.04	ng	# 84
18) Hexachloroethane	7.21	117	827837	172.11	ng	# 90
19) n-Nitroso-di-n-propylamine	7.21	70	12161	1.36	ng	# 54
22) Acetophenone	7.14	105	1134	0.07	ng	# 1
24) Nitrobenzene	7.26	77	3855	0.26	ng	# 35
25) Isophorone	7.53	82	4096032	155.52	ng	# 98
26) 2-Nitrophenol	7.53	139	66592	10.37	ng	# 26
27) 2,4-Dimethylphenol	7.66	122	336	0.03	ng	# 52
28) bis(2-Chloroethoxy)methane	7.93	93	2016	0.14	ng	# 1
29) 2,4-Dichlorophenol	7.86	162	723967	75.23	ng	# 95
30) 1,2,4-Trichlorobenzene	7.93	180	1213609	112.78	ng	# 96
31) Naphthalene	8.01	128	2260702	63.32	ng	# 98
32) Benzoic acid	7.74	122	3559	0.55	ng	# 77
33) 4-Chloroaniline	8.01	127	311959	22.49	ng	# 35
34) Hexachlorobutadiene	8.12	225	398817	63.88	ng	# 99
35) Caprolactam	8.56	113	48207	14.72	ng	# 27
36) 4-Chloro-3-methylphenol	8.56	107	1577436	135.15	ng	# 89
37) 2-Methylnaphthalene	8.70	142	3191598	152.91	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	8.84	216	2632	0.27	ng	# 81
42) 2,4,6-Trichlorophenol	8.99	196	950045	144.13	ng	# 91
43) 2,4,5-Trichlorophenol	9.02	196	334130	49.01	ng	# 94
45) 1,1'-Biphenyl	9.16	154	1891	0.07	ng	# 1

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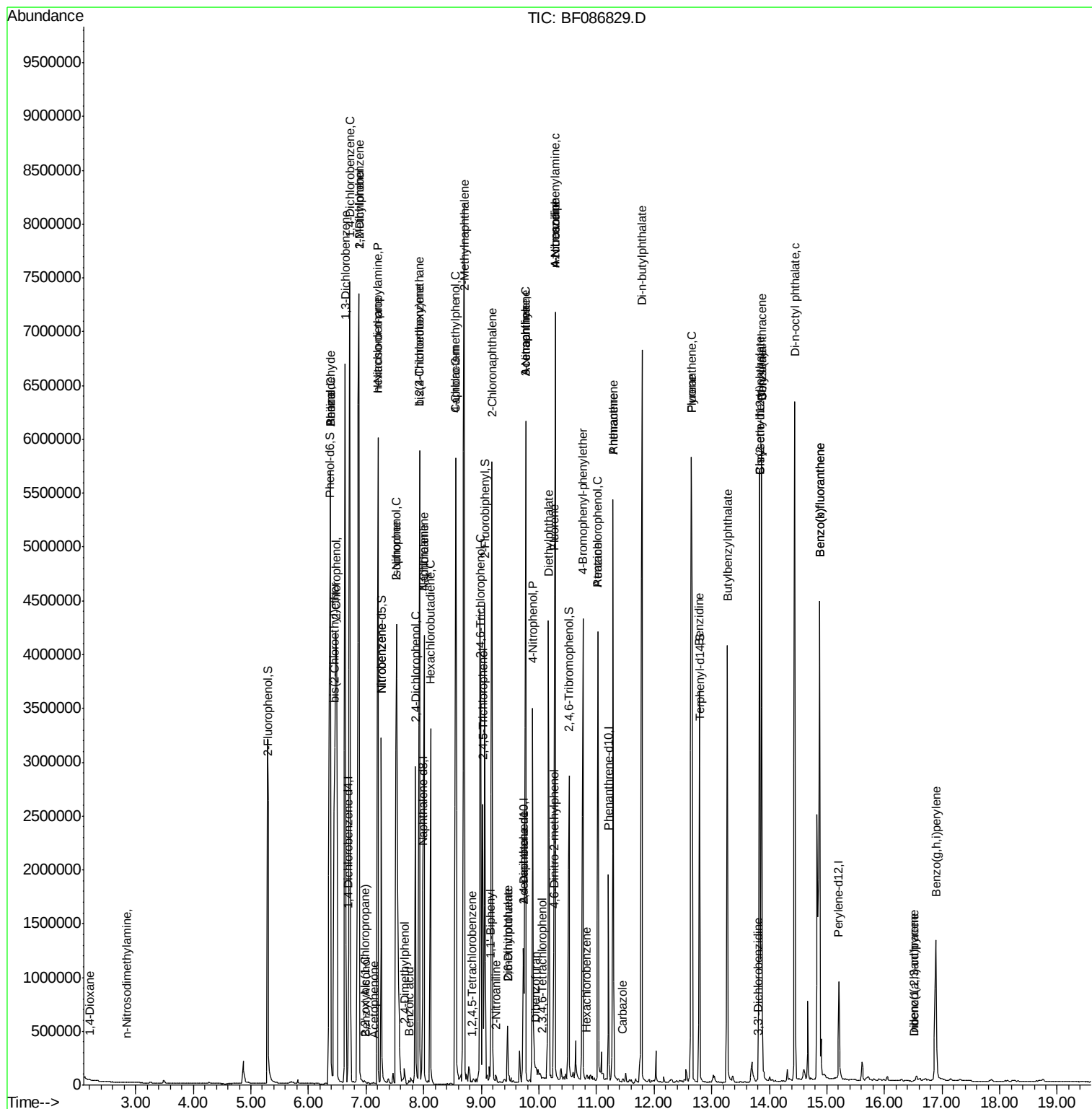
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 2-Chloronaphthalene	9.18	162	1801245	85.25	ng	# 93
47) 2-Nitroaniline	9.25	65	3529	0.46	ng	# 2
48) Acenaphthylene	9.77	152	862388	27.75	ng	# 1
49) Dimethylphthalate	9.46	163	178757	6.91	ng	99
50) 2,6-Dinitrotoluene	9.46	165	2318	0.43	ng	# 1
51) Acenaphthene	9.77	154	1618166	83.70	ng	100
52) 3-Nitroaniline	9.77	138	2178	0.38	ng	# 1
54) Dibenzofuran	9.94	168	2121	0.09	ng	# 1
55) 4-Nitrophenol	9.89	139	629679	159.95	ng	# 55
56) 2,4-Dinitrotoluene	9.73	165	42971	6.38	ng	# 19
57) Fluorene	10.27	166	2586	0.12	ng	# 47
58) 2,3,4,6-Tetrachlorophenol	10.06	232	2351	0.46	ng	# 91
59) Diethylphthalate	10.17	149	1980669	78.58	ng	98
60) 4-Chlorophenyl-phenylether	10.28	204	1432762	Below Cal		90
61) 4-Nitroaniline	10.28	138	8233	1.50	ng	# 2
62) Azobenzene	10.28	77	809795	29.78	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.26	198	250	0.06	ng	# 1
65) n-Nitrosodiphenylamine	10.28	169	176601	8.74	ng	# 80
66) 4-Bromophenyl-phenylether	10.76	248	531889	79.75	ng	93
67) Hexachlorobenzene	10.82	284	556	0.07	ng	# 42
68) Atrazine	11.02	200	95760	14.18	ng	# 36
69) Pentachlorophenol	11.02	266	461153	128.01	ng	98
70) Phenanthrene	11.29	178	2389371	68.06	ng	98
71) Anthracene	11.29	178	2392802	66.65	ng	98
72) Carbazole	11.46	167	9222	0.30	ng	# 93
73) Di-n-butylphthalate	11.79	149	4233786	112.33	ng	# 97
74) Fluoranthene	12.65	202	4005583	110.93	ng	97
76) Benzidine	12.78	184	23974	2.27	ng	99
77) Pyrene	12.65	202	4036878	127.06	ng	97
79) Butylbenzylphthalate	13.28	149	1314016	97.78	ng	94
80) Benzo(a)anthracene	13.87	228	2649839	113.74	ng	95
81) 3,3'-Dichlorobenzidine	13.80	252	2033	0.14	ng	# 98
82) Chrysene	13.87	228	2652645	111.94	ng	97
83) Bis(2-ethylhexyl)phthalate	13.84	149	1923834	119.01	ng	# 99
84) Di-n-octyl phthalate	14.44	149	2900219	108.31	ng	# 83
85) Indeno(1,2,3-cd)pyrene	16.51	276	2109	0.11	ng	# 68
87) Benzo(b)fluoranthene	14.88	252	4238071	168.26	ng	# 92
88) Benzo(k)fluoranthene	14.88	252	4239327	205.56	ng	# 95
90) Dibenzo(a,h)anthracene	16.52	278	823	0.04	ng	# 53
91) Benzo(g,h,i)perylene	16.90	276	1180405	63.45	ng	# 90

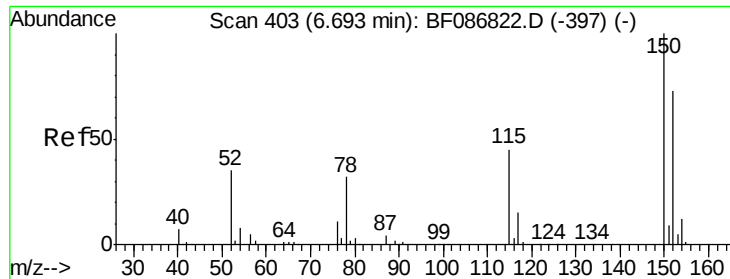
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

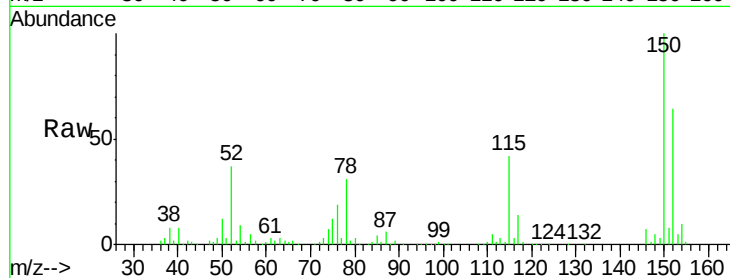
Tgt Ion:152 Resp: 162582

Ion Ratio Lower Upper

152 100

150 156.0 125.8 188.6

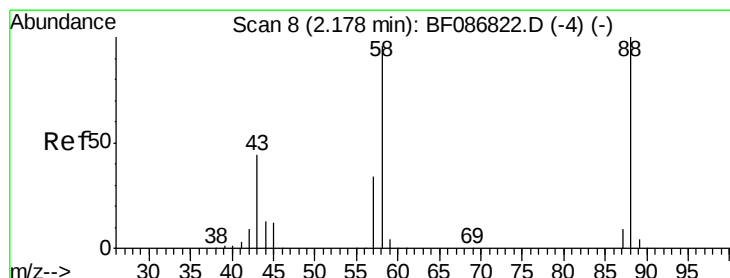
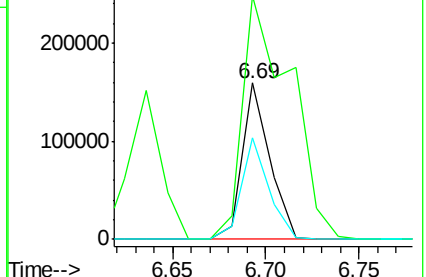
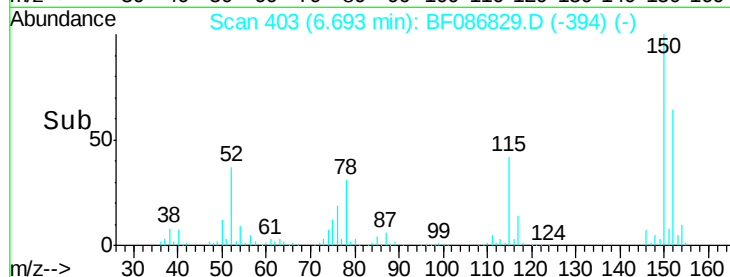
115 65.4 51.5 77.3



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: 0.07 ng

RT: 2.20 min Scan# 10

Delta R.T. 0.02 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

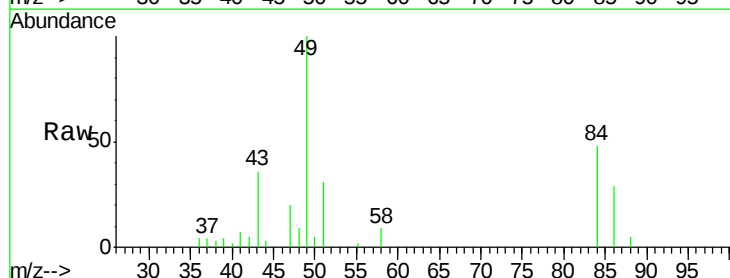
Tgt Ion: 88 Resp: 322

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

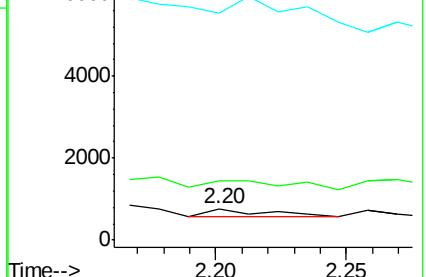
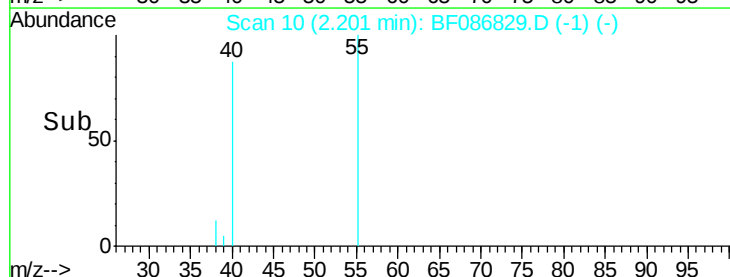
43 0.0 21.8 32.6#

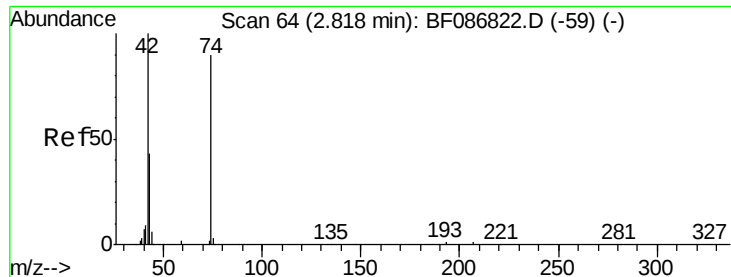


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 2.84 min Scan# 66

Delta R.T. 0.02 min

Lab File: BF086829.D

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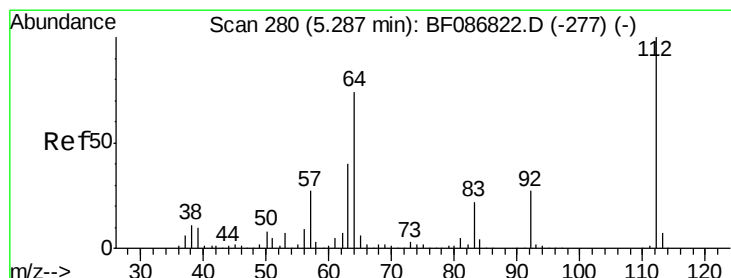
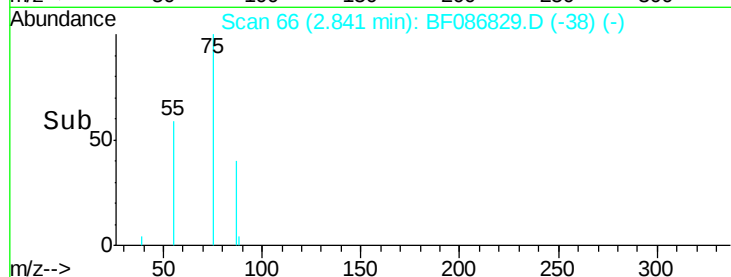
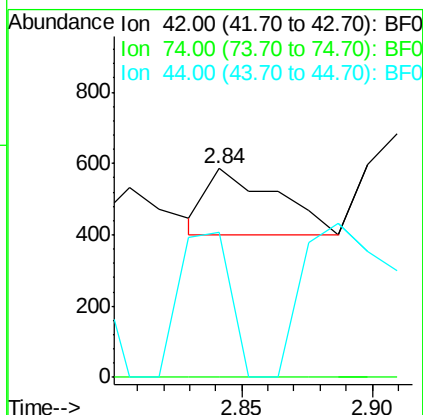
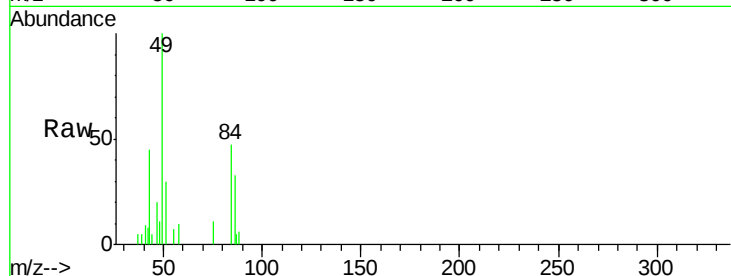
Tgt Ion: 42 Resp: 339

Ion Ratio Lower Upper

42 100

74 0.0 123.4 185.0#

44 69.5 5.8 8.6#



#5

2-Fluorophenol

Concen: 118.34 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

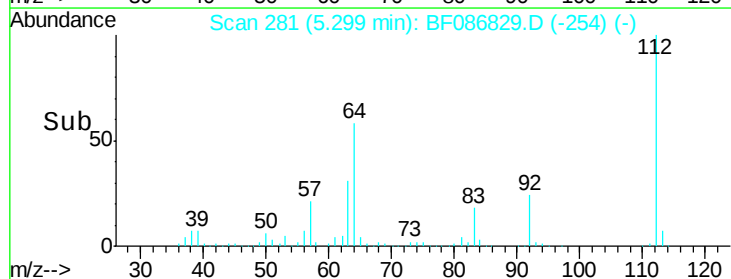
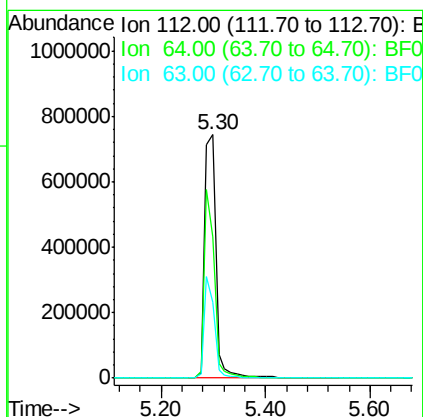
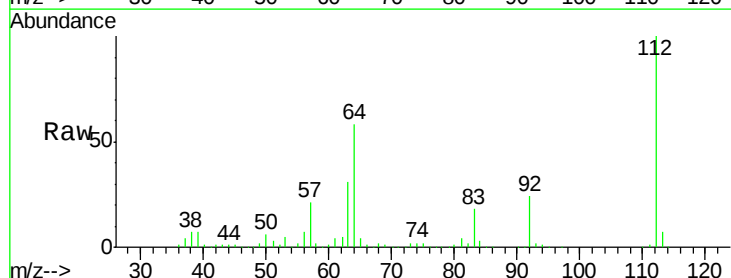
Tgt Ion: 112 Resp: 1136053

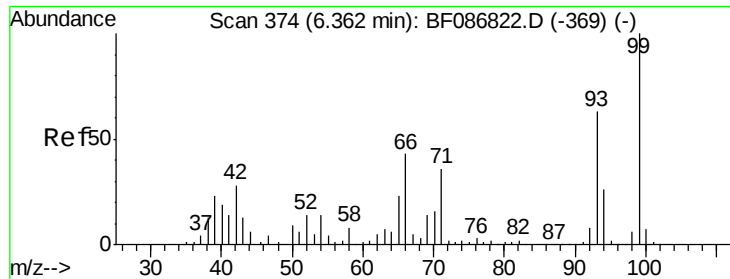
Ion Ratio Lower Upper

112 100

64 58.1 52.1 78.1

63 31.2 25.7 38.5





#6

Aniline

Concen: 3.08 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.02 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

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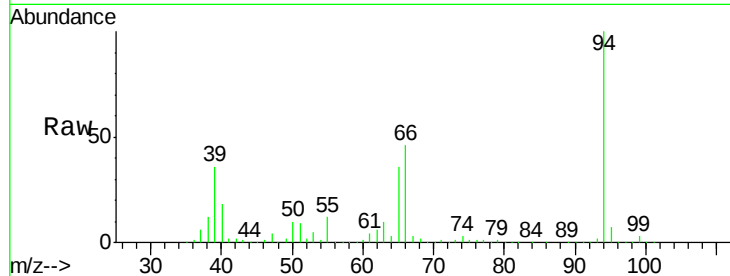
Tgt Ion: 93 Resp: 47735

Ion Ratio Lower Upper

93 100

66 1853.4 39.0 58.6#

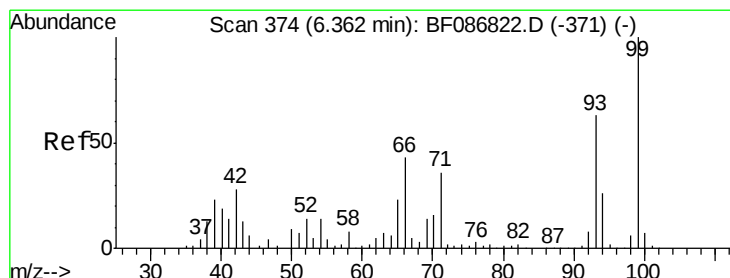
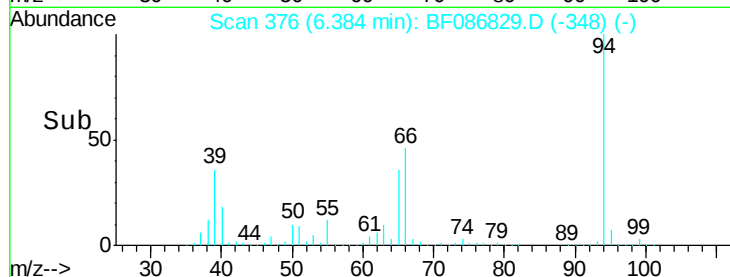
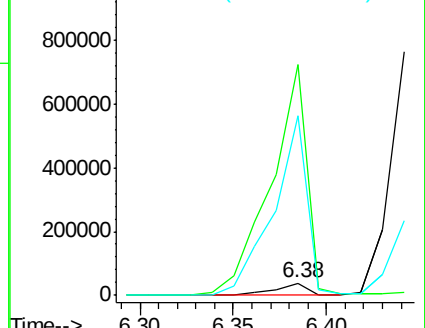
65 1435.6 20.6 31.0#



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: 119.26 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

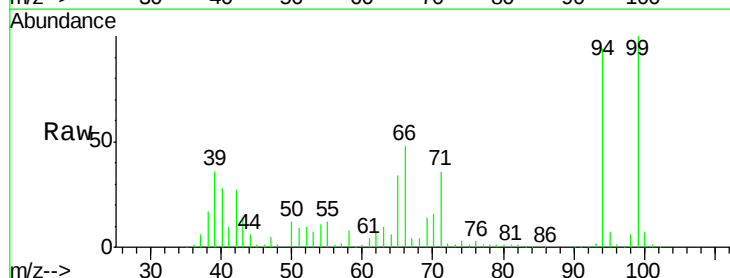
Tgt Ion: 99 Resp: 1530128

Ion Ratio Lower Upper

99 100

42 27.0 13.6 20.4#

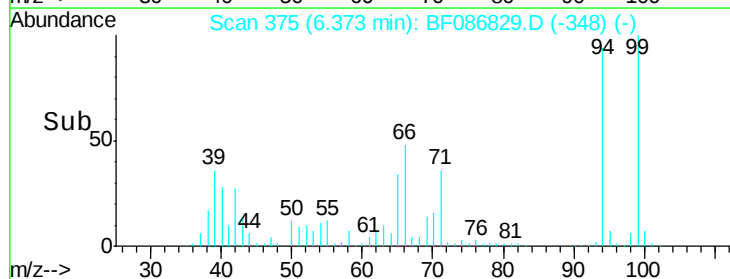
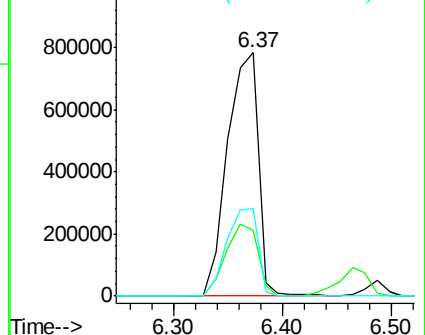
71 36.0 24.6 36.8

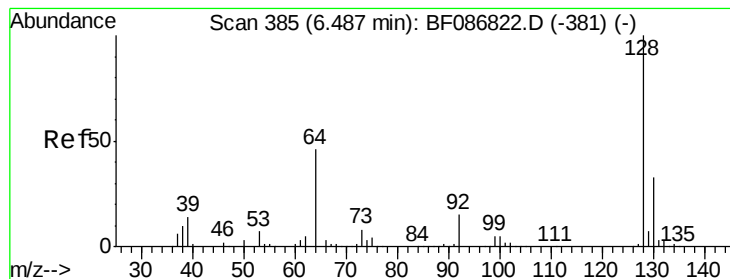


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 86.82 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

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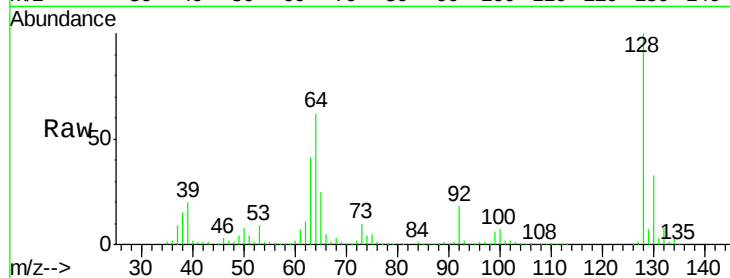
Tgt Ion:128 Resp: 1005718

Ion Ratio Lower Upper

128 100

130 33.0 12.5 52.5

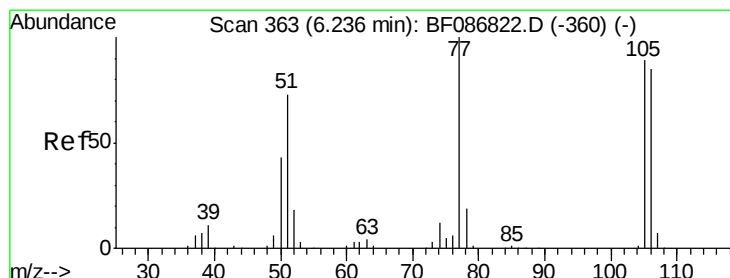
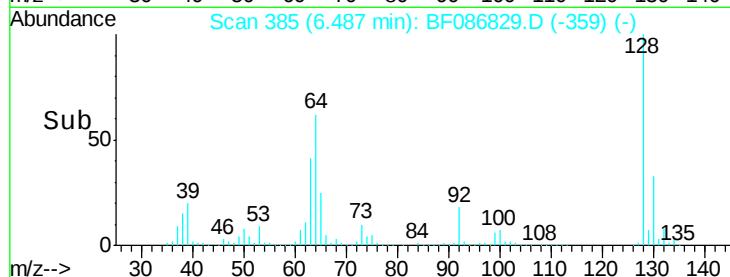
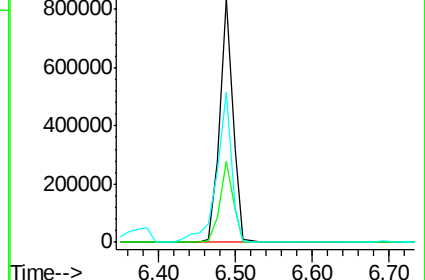
64 61.7 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): B

Ion 130.00 (129.70 to 130.70): B

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 3.18 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.15 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

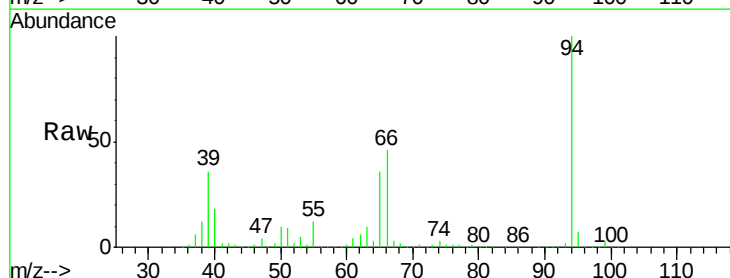
Tgt Ion: 77 Resp: 23636

Ion Ratio Lower Upper

77 100

105 0.0 72.7 112.7#

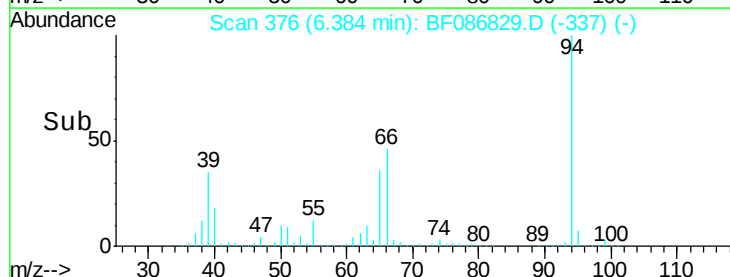
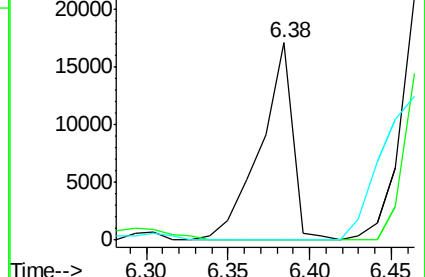
106 0.0 70.8 110.8#

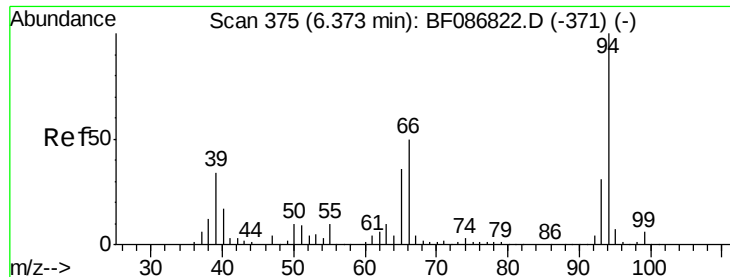


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 129.95 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

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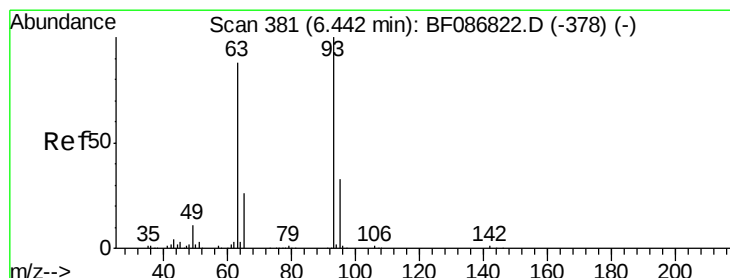
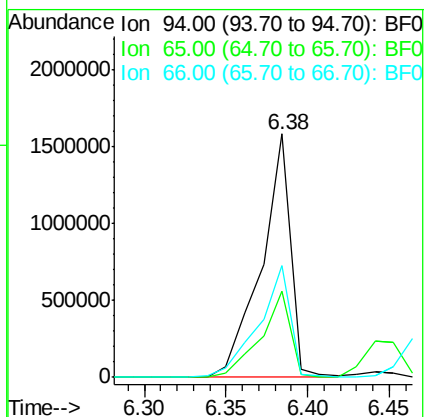
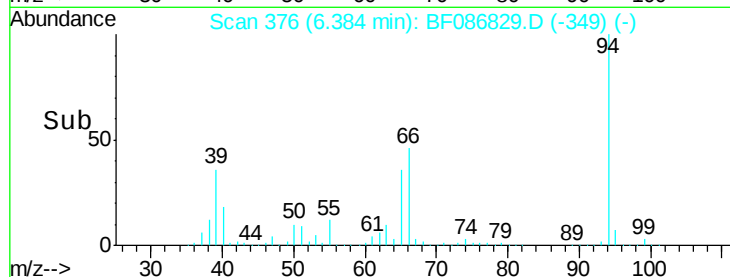
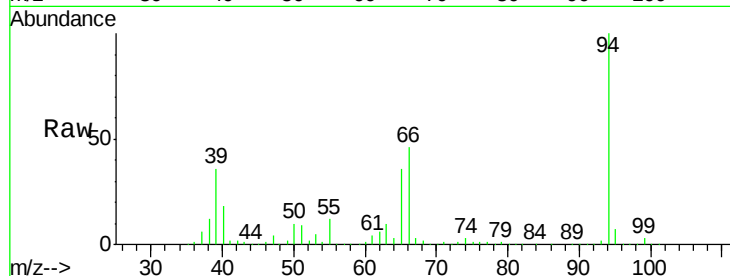
Tgt Ion: 94 Resp: 1981828

Ion Ratio Lower Upper

94 100

65 35.5 7.2 47.2

66 45.9 14.9 54.9



#11

bis(2-Chloroethyl)ether

Concen: 106.85 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

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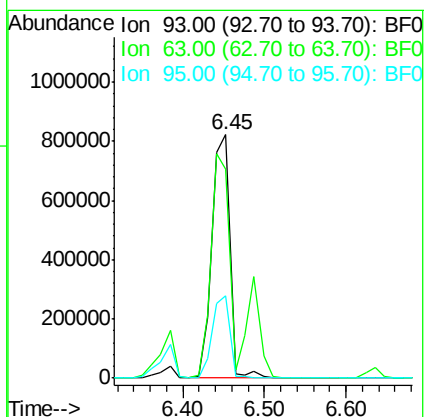
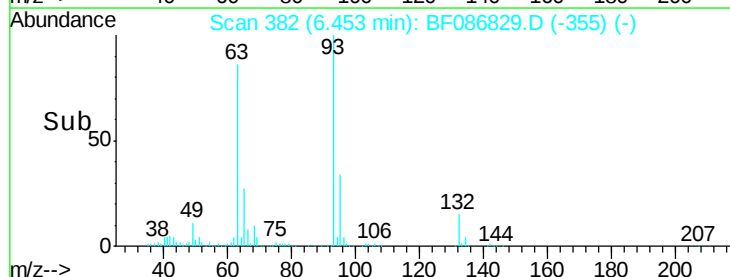
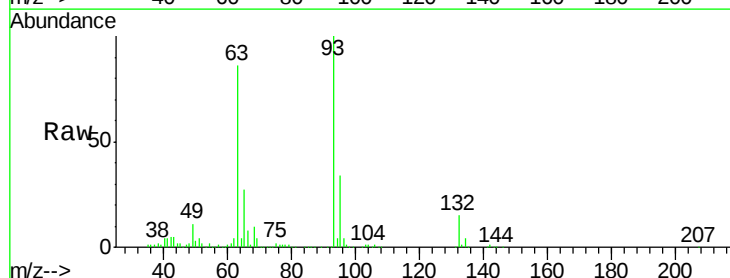
Tgt Ion: 93 Resp: 1270571

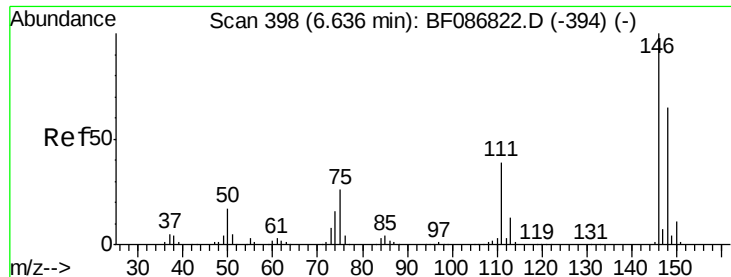
Ion Ratio Lower Upper

93 100

63 85.6 58.0 98.0

95 33.6 11.9 51.9





#12

1,3-Dichlorobenzene

Concen: 136.76 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

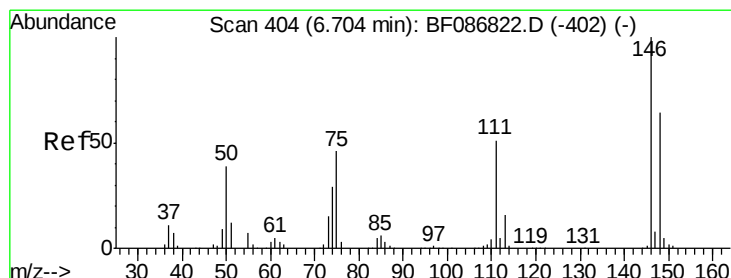
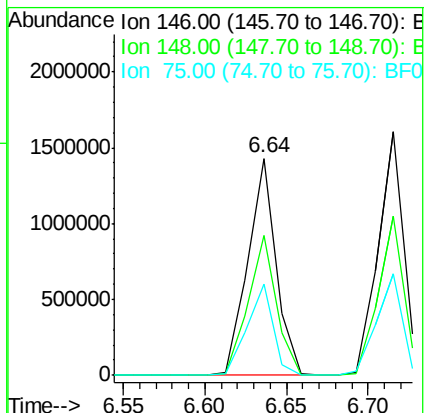
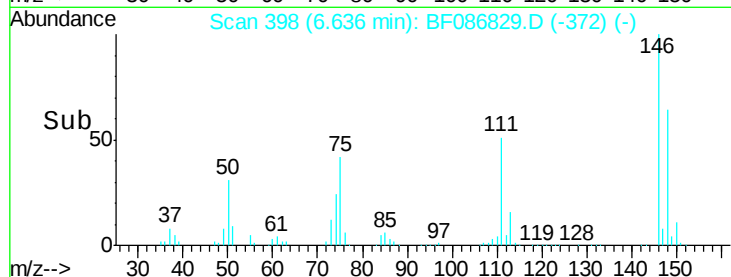
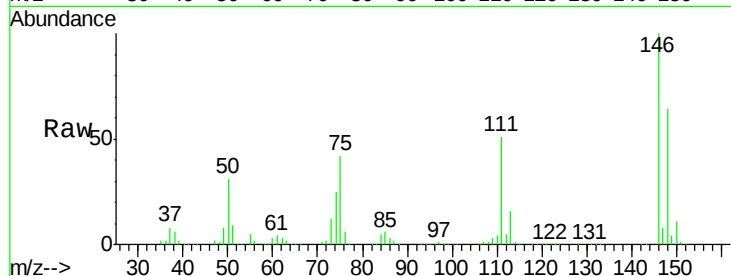
Tgt Ion:146 Resp: 1714499

Ion Ratio Lower Upper

146 100

148 64.2 52.4 78.6

75 41.9 22.8 34.2#



#13

1,4-Dichlorobenzene

Concen: 140.00 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

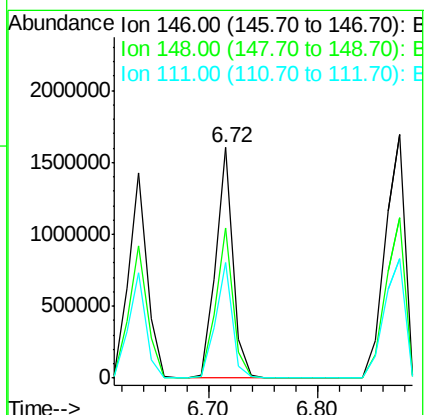
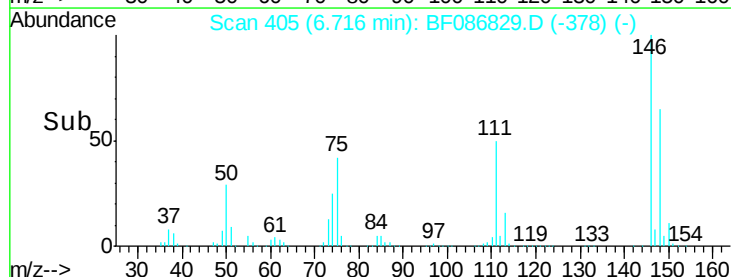
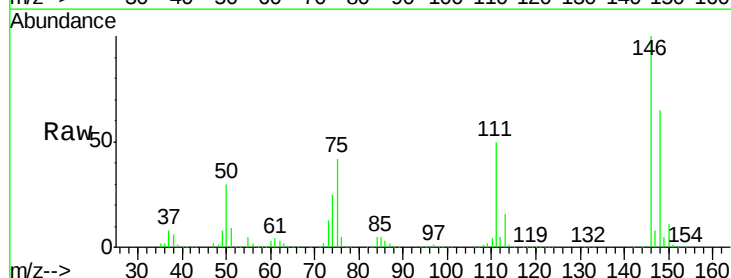
Tgt Ion:146 Resp: 1789770

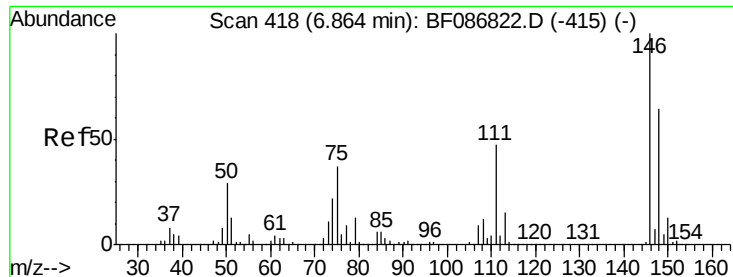
Ion Ratio Lower Upper

146 100

148 65.2 52.2 78.4

111 50.1 30.7 46.1#





#14

1,2-Dichlorobenzene

Concen: 194.82 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

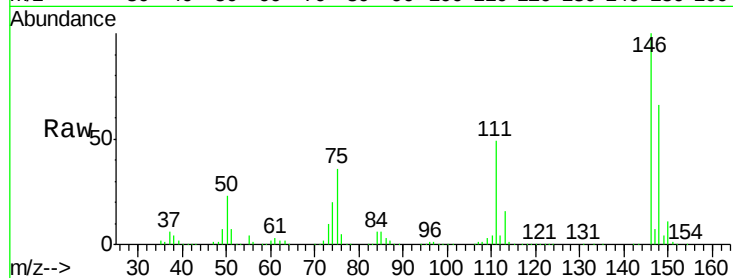
Tgt Ion:146 Resp: 2170802

Ion Ratio Lower Upper

146 100

148 66.0 51.0 76.6

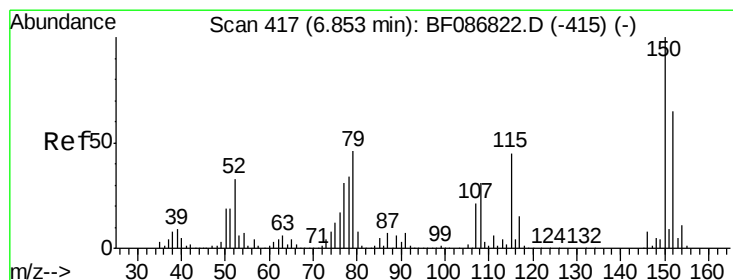
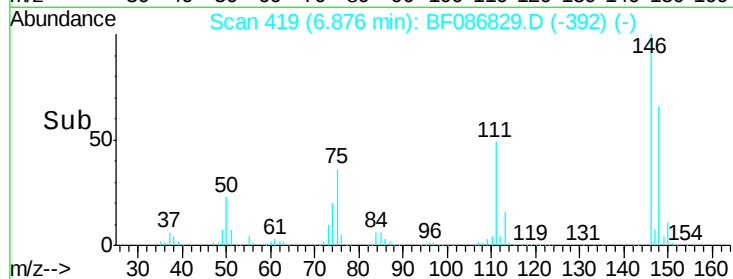
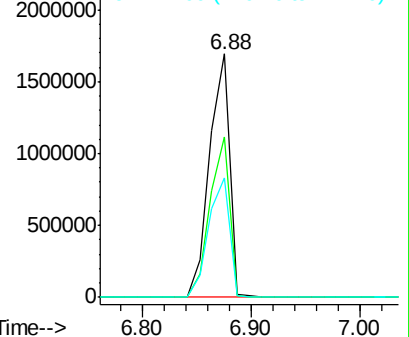
111 48.9 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.07 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.14 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

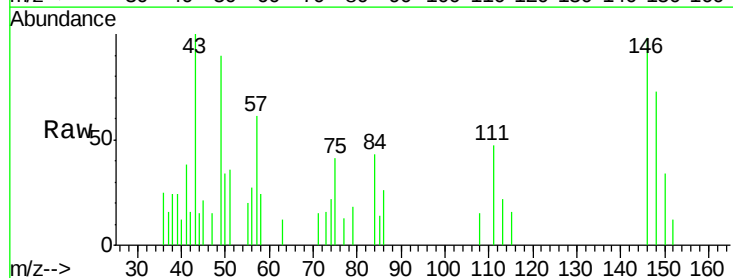
Tgt Ion: 79 Resp: 622

Ion Ratio Lower Upper

79 100

108 82.9 68.4 102.6

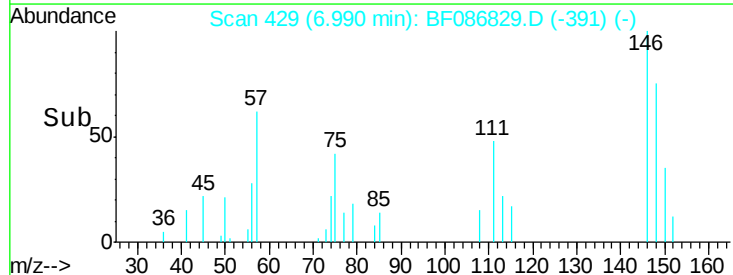
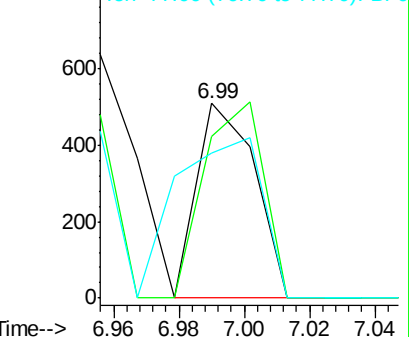
77 74.5 50.6 76.0

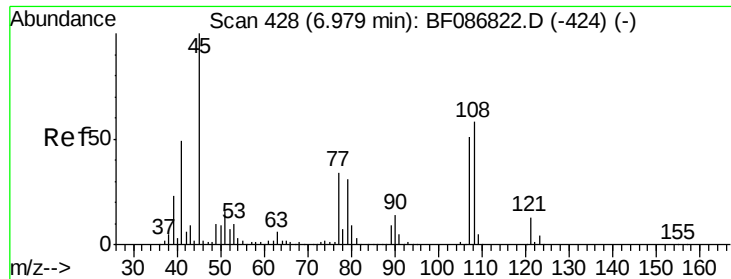


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

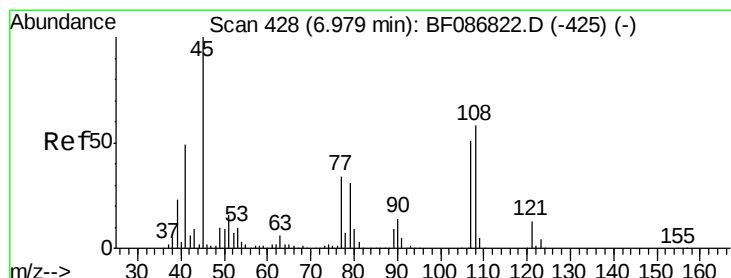
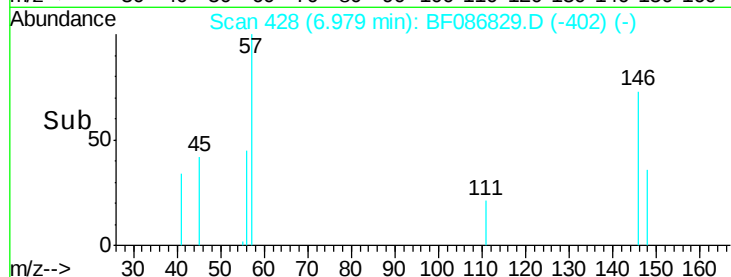
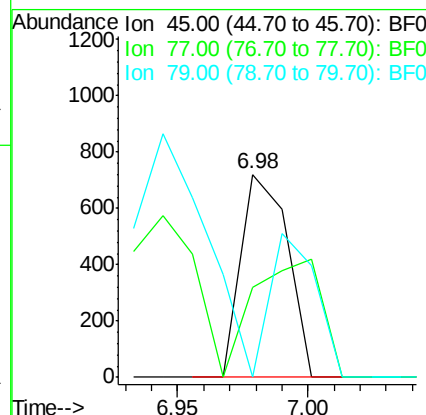
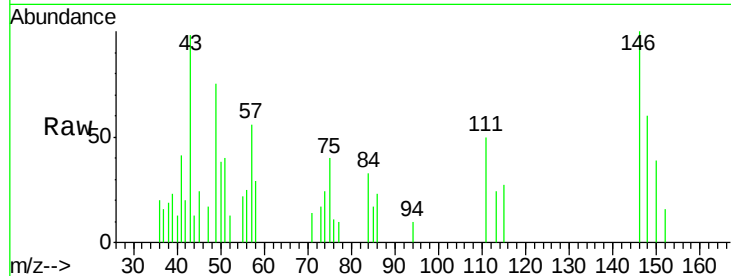




#16
2,2'-oxybis(1-chloropropane)
Concen: 0.04 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

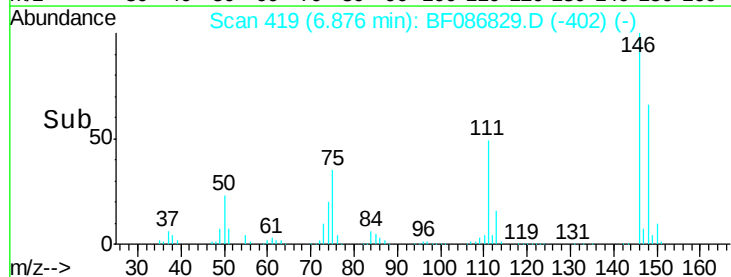
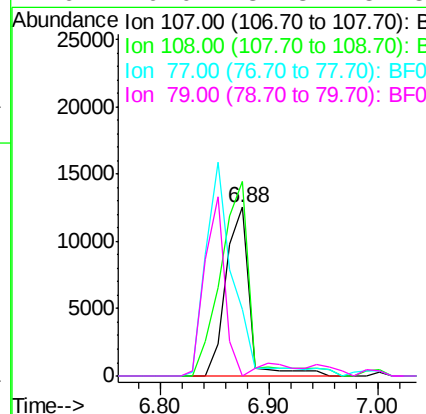
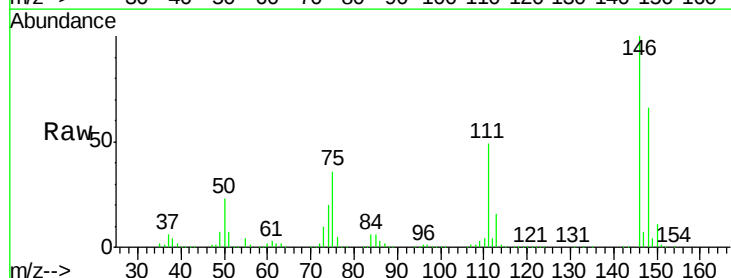
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

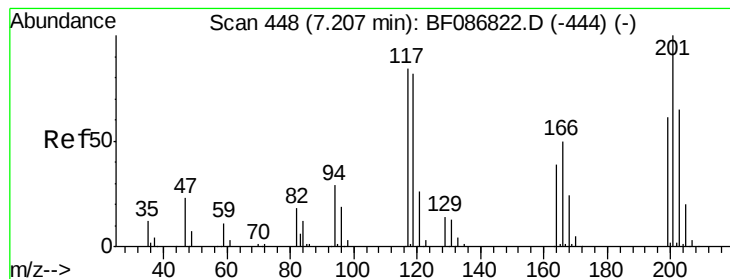
Tgt Ion: 45 Resp: 905
Ion Ratio Lower Upper
45 100
77 44.4 0.0 36.4#
79 0.0 0.0 33.4



#17
2-Methylphenol
Concen: 2.04 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.10 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion: 107 Resp: 18767
Ion Ratio Lower Upper
107 100
108 115.6 93.7 140.5
77 39.4 33.4 50.0
79 0.0 34.3 51.5#





#18

Hexachloroethane

Concen: 172.11 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

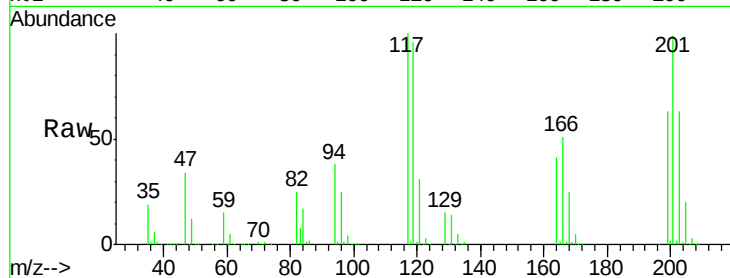
Tgt Ion: 117 Resp: 827837

Ion Ratio Lower Upper

117 100

119 96.0 76.5 114.7

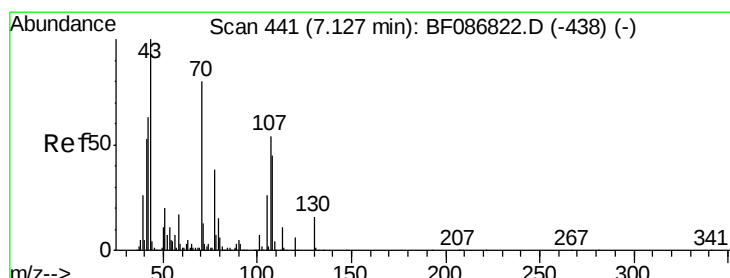
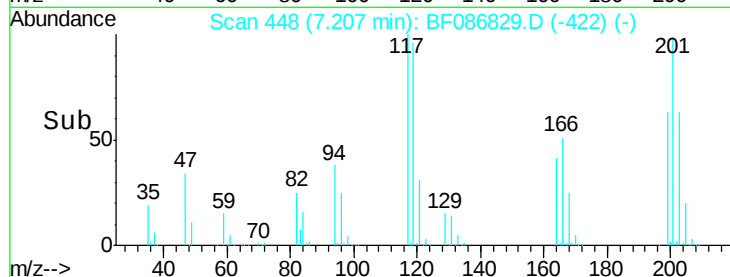
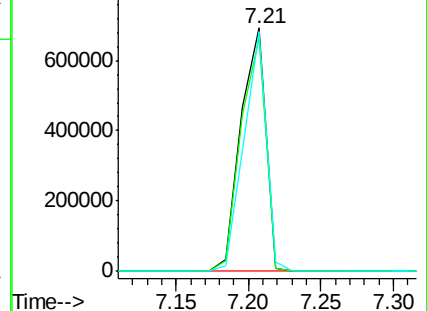
201 98.7 63.0 94.6#



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: 1.36 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.08 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Tgt Ion: 70 Resp: 12161

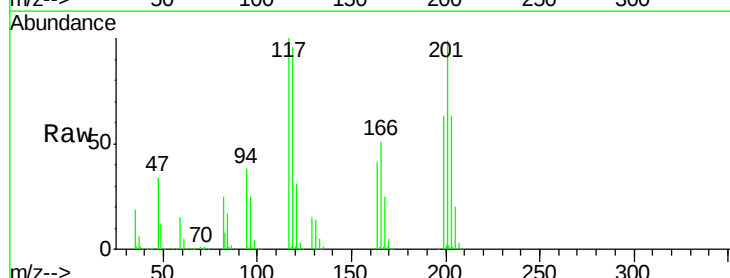
Ion Ratio Lower Upper

70 100

42 5.2 43.1 64.7#

101 6.7 8.1 12.1#

130 29.2 18.6 28.0#

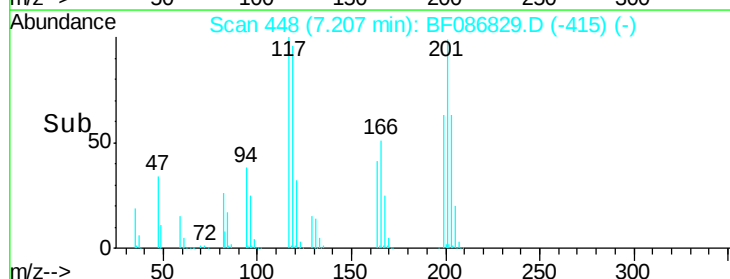
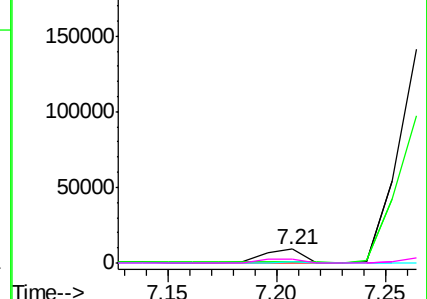


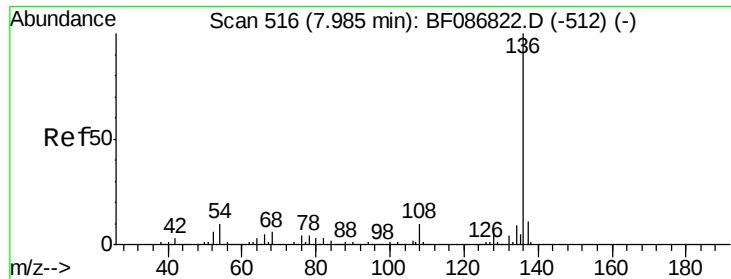
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:136 Resp: 712784

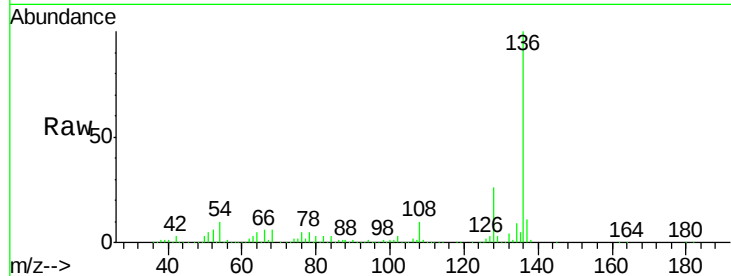
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.2 5.0 7.4#

68 5.7 4.4 6.6

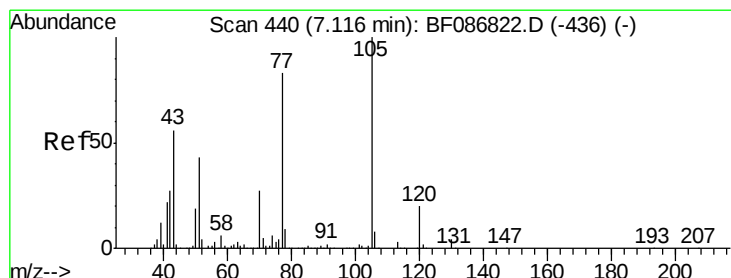
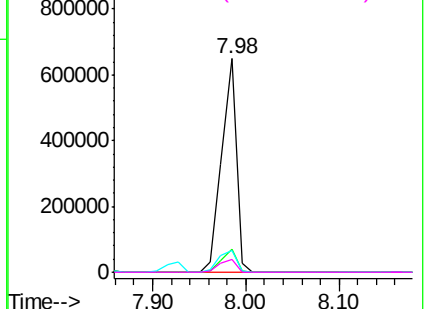
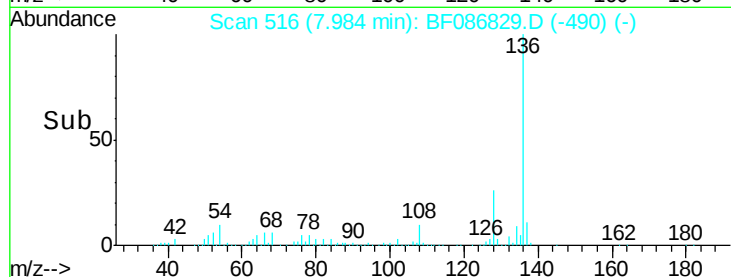


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.07 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.02 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Tgt Ion:105 Resp: 1134

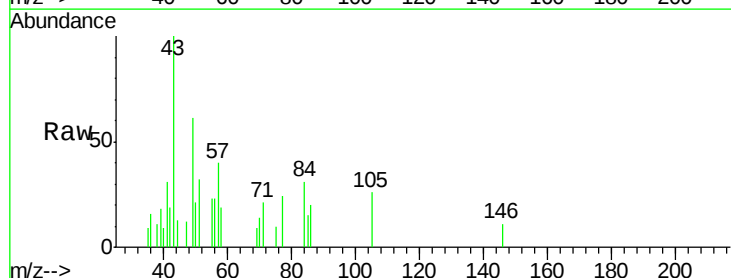
Ion Ratio Lower Upper

105 100

71 82.0 4.8 7.2#

51 122.4 32.6 49.0#

120 0.0 16.5 24.7#

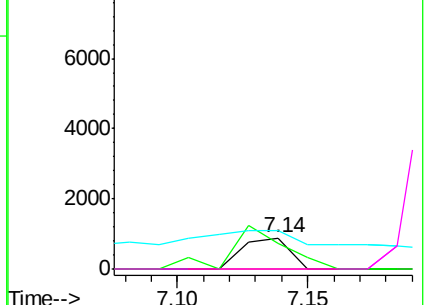
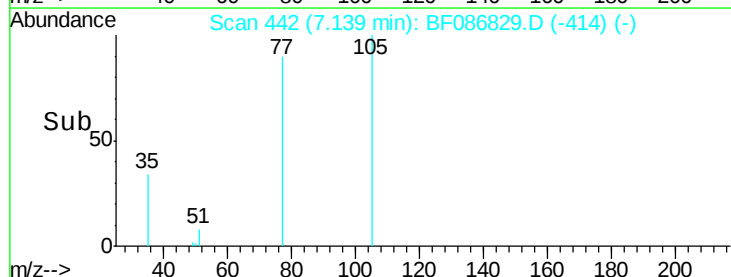


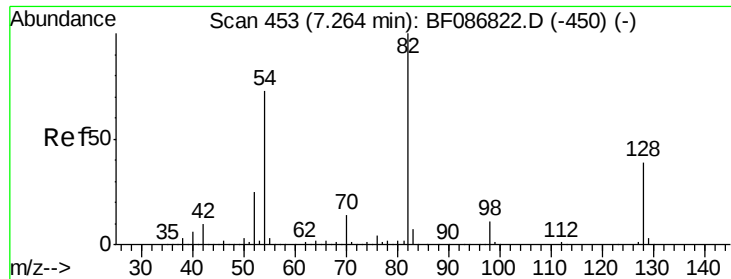
Abundance Ion 105.00 (104.70 to 105.70): E

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

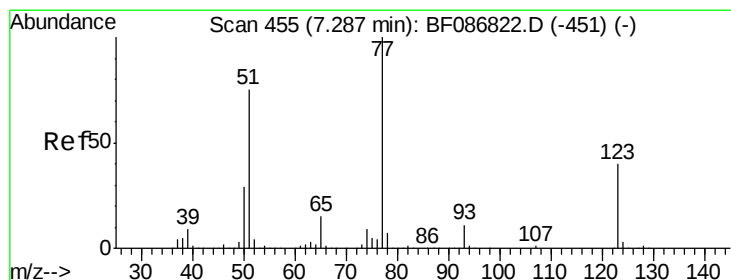
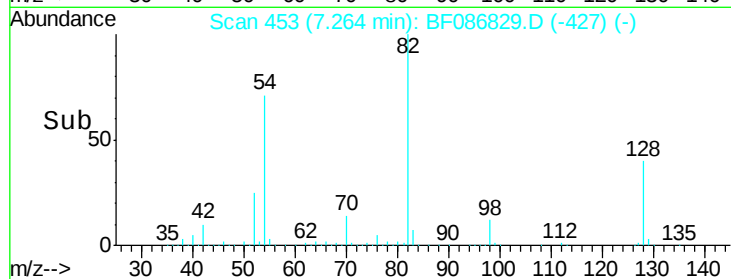
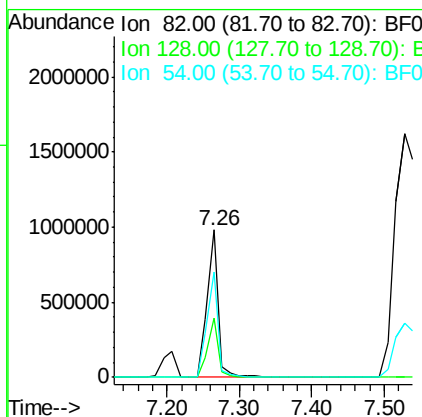
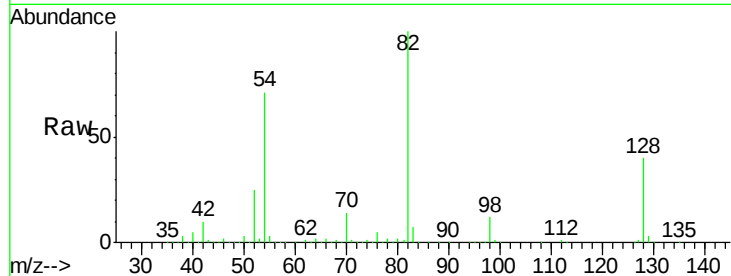




#23
 Nitrobenzene-d5
 Concen: 73.60 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

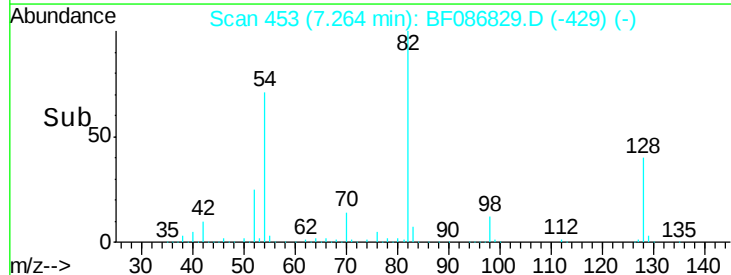
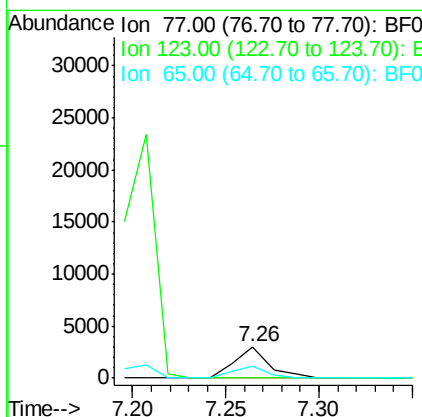
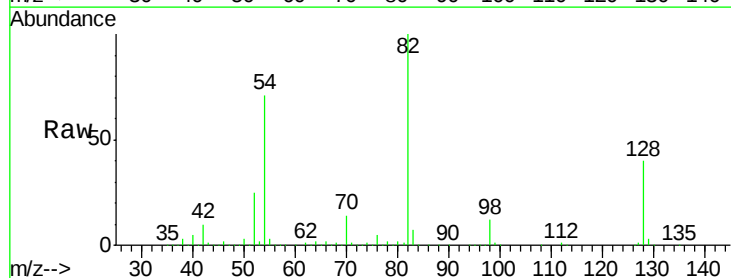
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

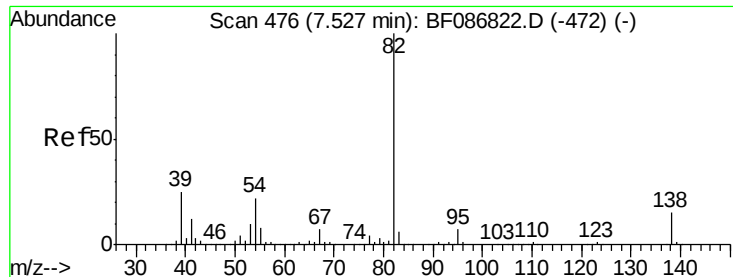
Tgt Ion: 82 Resp: 1044724
 Ion Ratio Lower Upper
 82 100
 128 40.4 40.6 61.0#
 54 71.4 38.1 57.1#



#24
 Nitrobenzene
 Concen: 0.26 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion: 77 Resp: 3855
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 38.9 10.8 16.2#

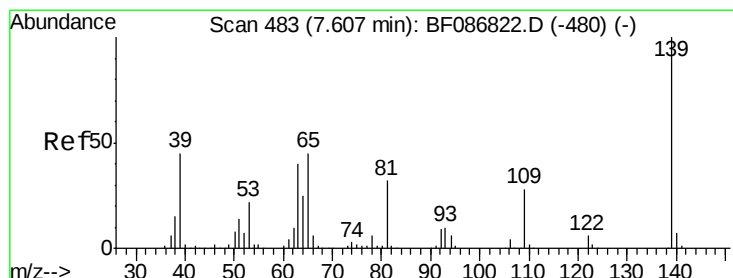
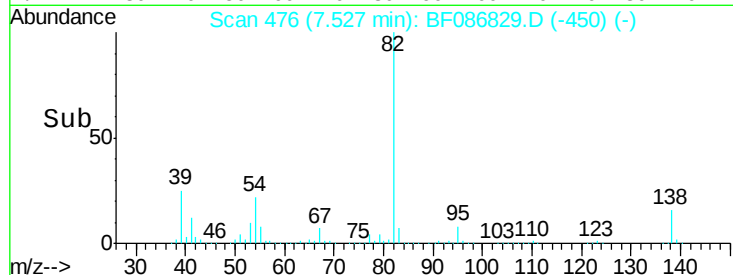
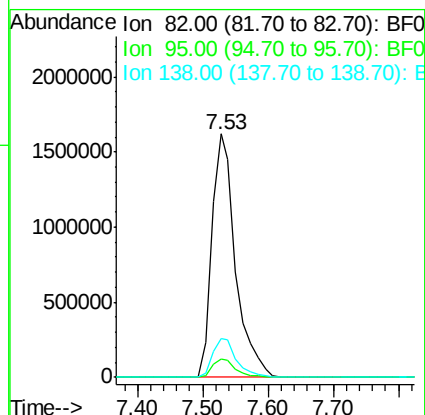
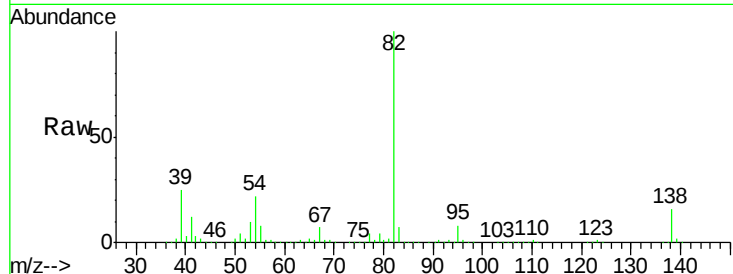




#25
Isophorone
Concen: 155.52 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

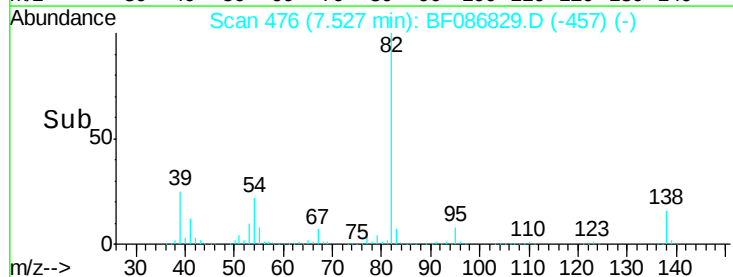
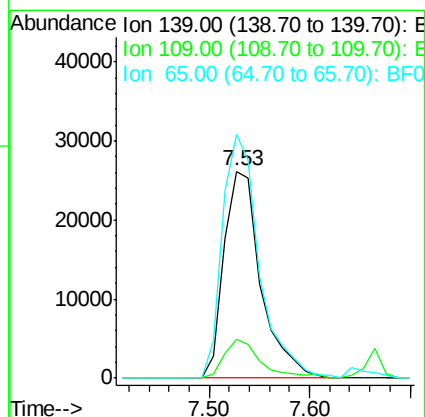
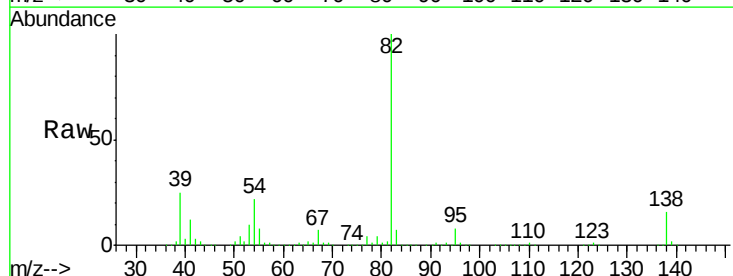
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

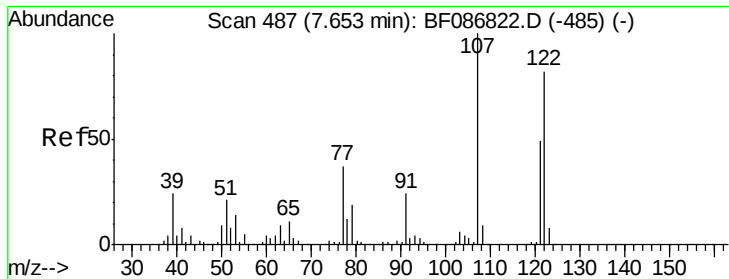
Tgt Ion: 82 Resp: 4096032
Ion Ratio Lower Upper
82 100
95 7.6 5.1 7.7
138 16.0 12.4 18.6



#26
2-Nitrophenol
Concen: 10.37 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.08 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion: 139 Resp: 66592
Ion Ratio Lower Upper
139 100
109 18.8 19.5 29.3#
65 117.6 37.5 56.3#





#27

2,4-Dimethylphenol

Concen: 0.03 ng

RT: 7.66 min Scan# 488

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

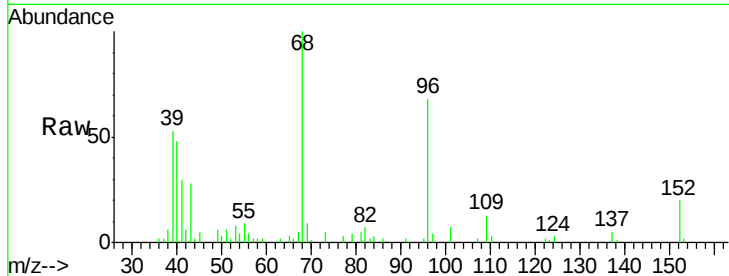
Tgt Ion:122 Resp: 336

Ion Ratio Lower Upper

122 100

107 133.9 82.0 123.0#

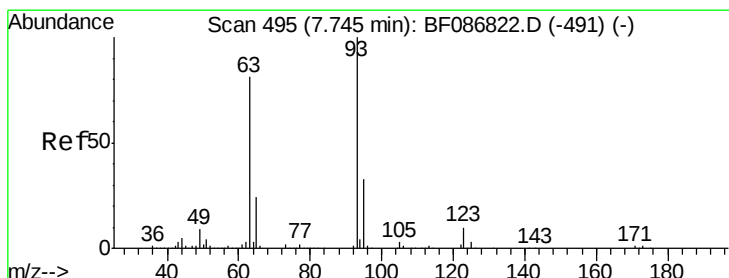
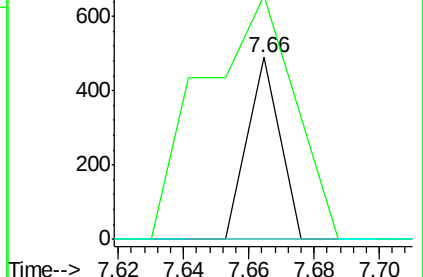
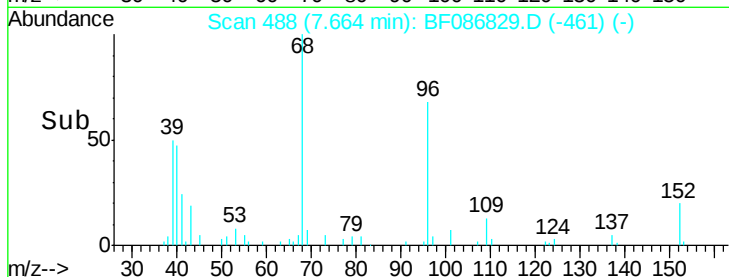
121 0.0 46.1 69.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.14 ng

RT: 7.93 min Scan# 511

Delta R.T. 0.18 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

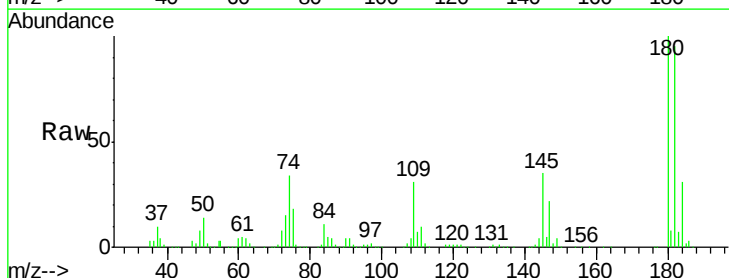
Tgt Ion: 93 Resp: 2016

Ion Ratio Lower Upper

93 100

95 316.4 26.0 39.0#

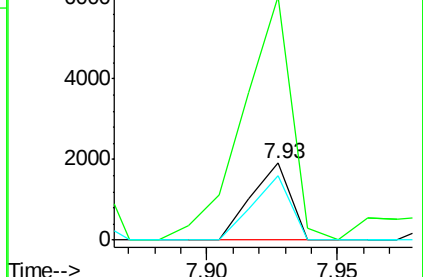
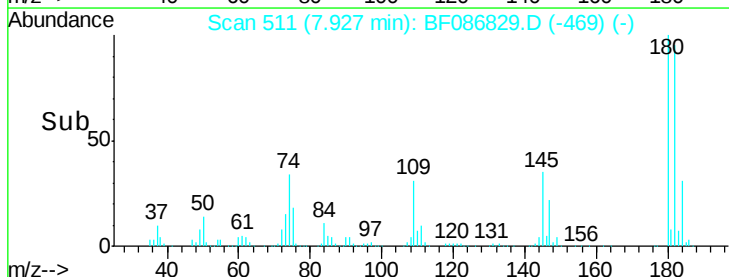
123 83.2 9.5 14.3#

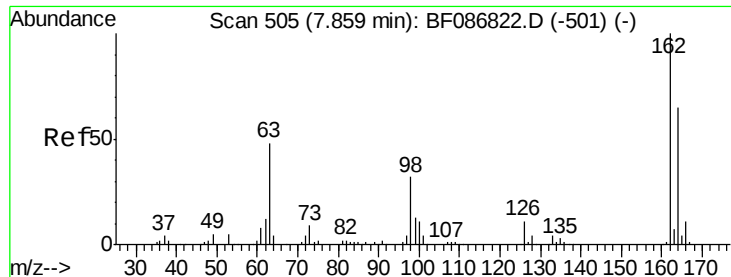


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

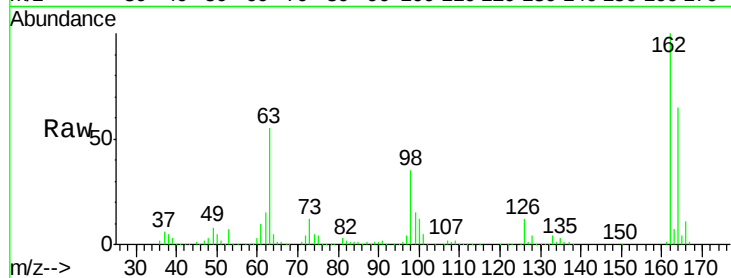




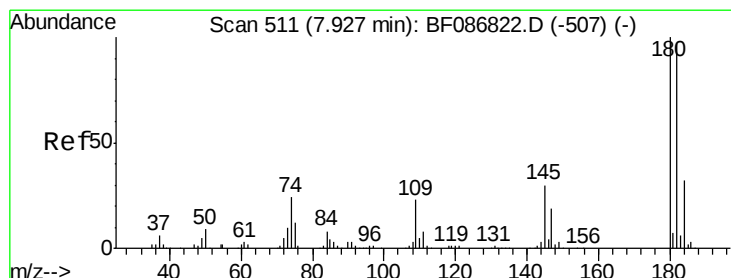
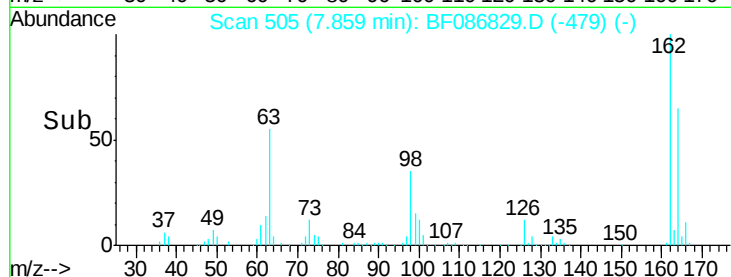
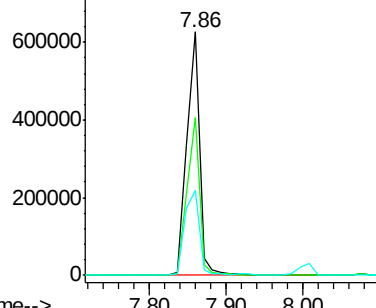
#29
 2,4-Dichlorophenol
 Concen: 75.23 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:162 Resp: 723967
 Ion Ratio Lower Upper
 162 100
 164 65.0 42.2 82.2
 98 35.0 19.0 59.0

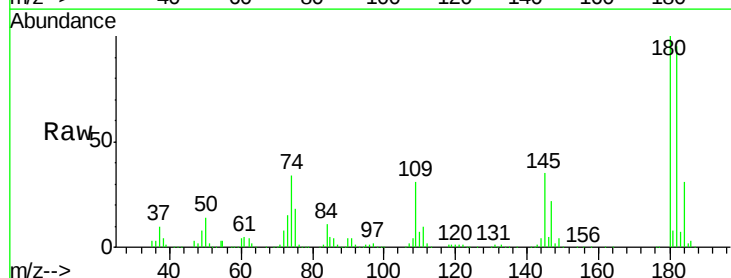


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

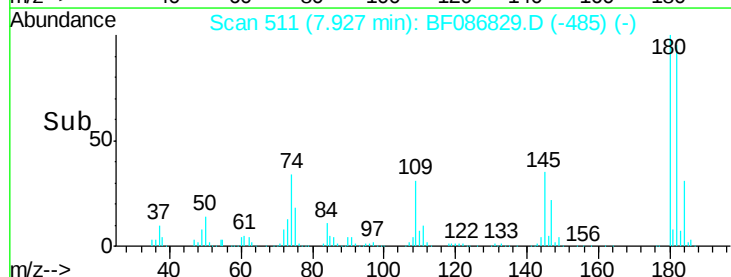
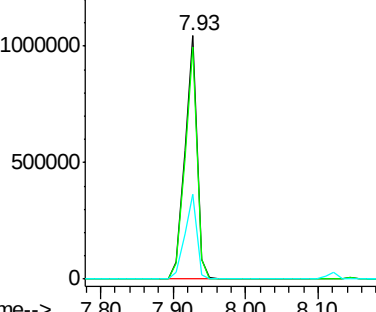


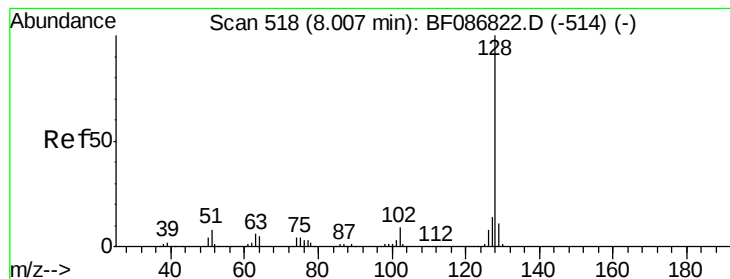
#30
 1,2,4-Trichlorobenzene
 Concen: 112.78 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:180 Resp: 1213609
 Ion Ratio Lower Upper
 180 100
 182 95.1 78.0 117.0
 145 34.9 24.2 36.2



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: 63.32 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

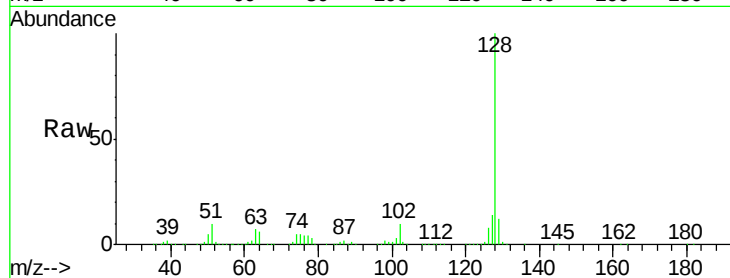
Tgt Ion:128 Resp: 2260702

Ion Ratio Lower Upper

128 100

129 11.5 8.6 13.0

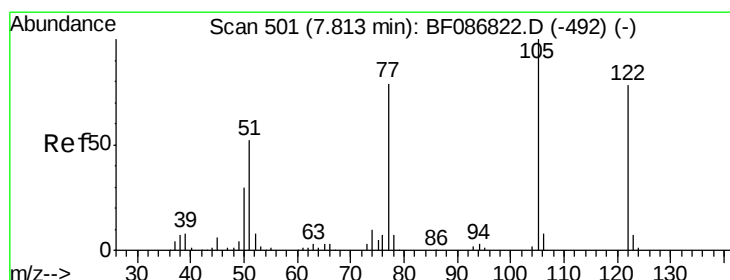
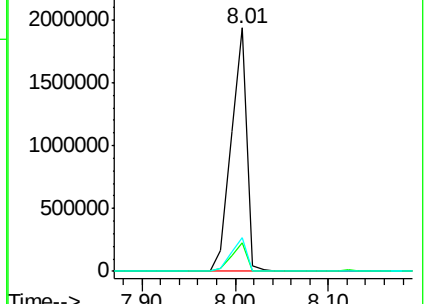
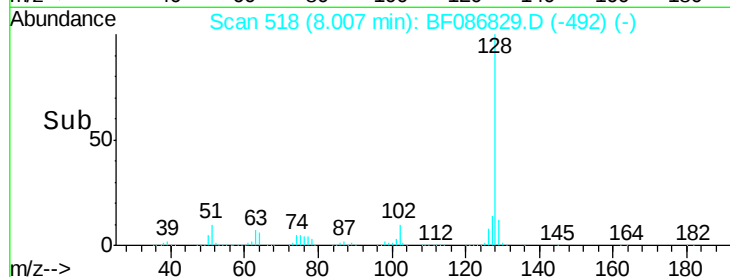
127 14.1 10.8 16.2



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: 0.55 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.07 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

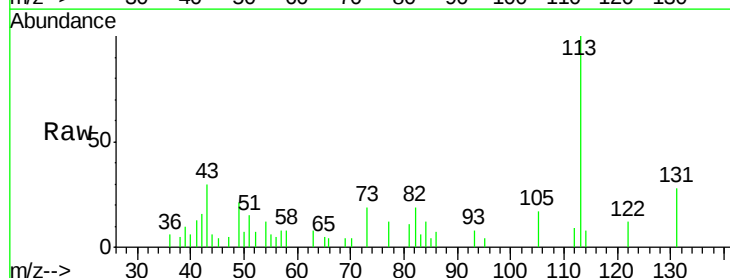
Tgt Ion:122 Resp: 3559

Ion Ratio Lower Upper

122 100

105 136.6 92.6 132.6#

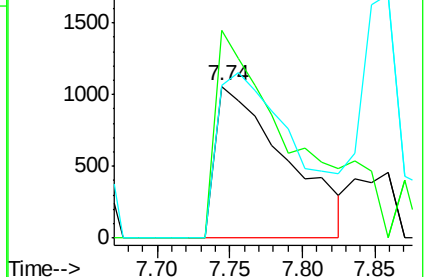
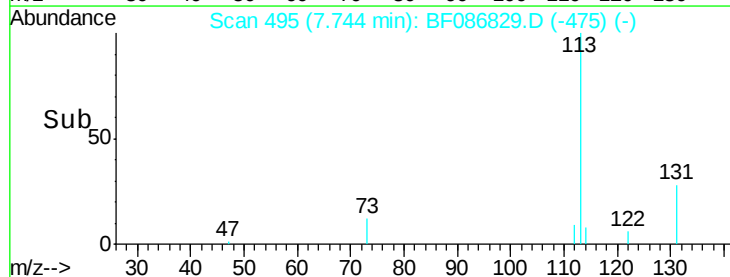
77 100.7 60.0 100.0#

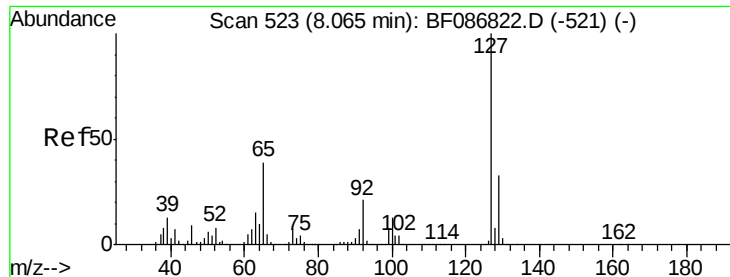


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 22.49 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:127 Resp: 311959

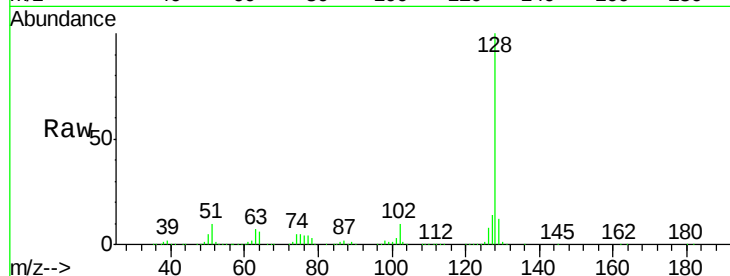
Ion Ratio Lower Upper

127 100

129 82.0 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#



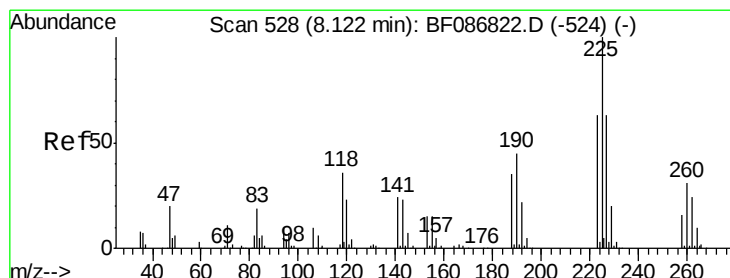
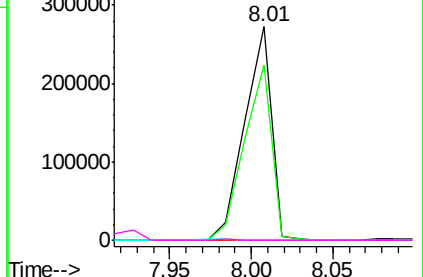
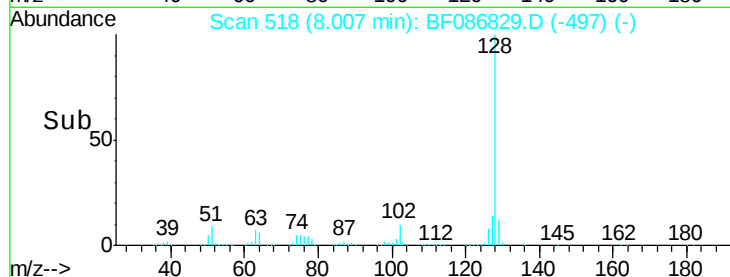
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Time-->



#34

Hexachlorobutadiene

Concen: 63.88 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

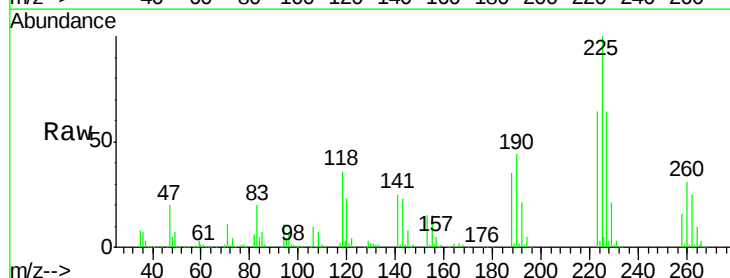
Tgt Ion:225 Resp: 398817

Ion Ratio Lower Upper

225 100

223 63.5 51.5 77.3

227 63.8 52.2 78.2

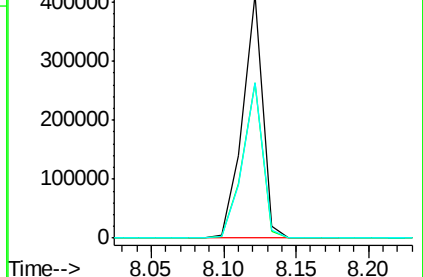
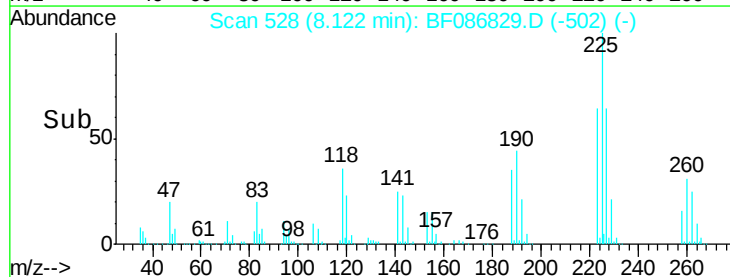


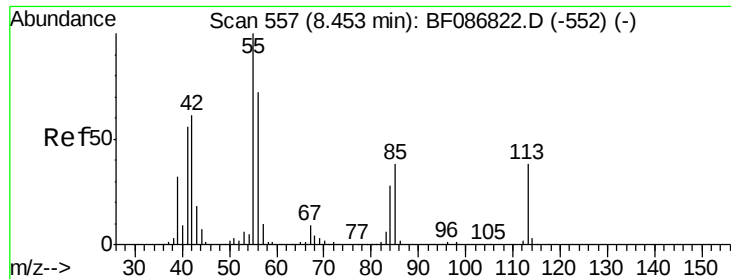
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->





#35

Caprolactam

Concen: 14.72 ng

RT: 8.56 min Scan# 566

Delta R.T. 0.10 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

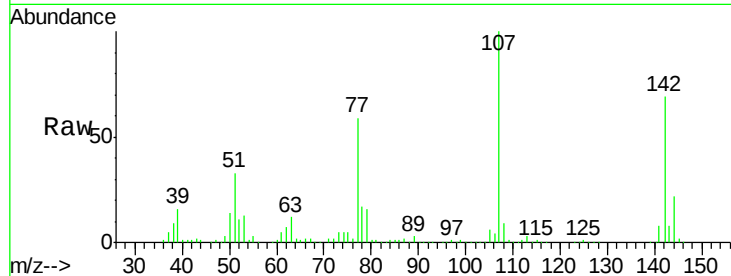
Tgt Ion:113 Resp: 48207

Ion Ratio Lower Upper

113 100

55 110.6 162.0 202.0#

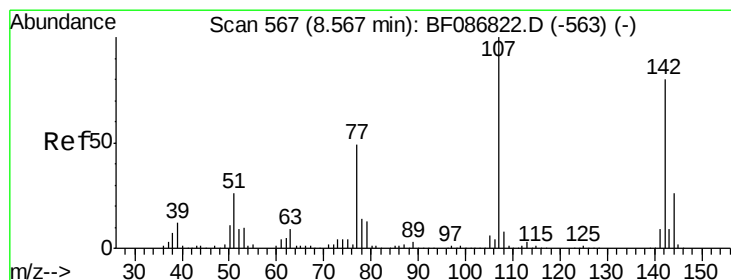
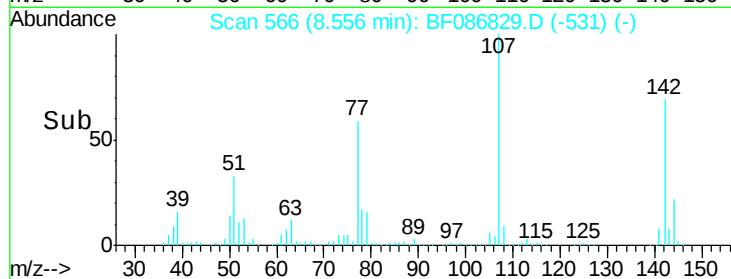
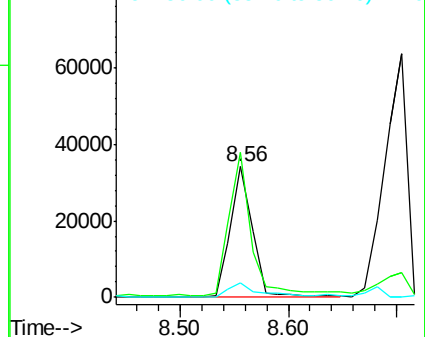
56 11.3 115.3 155.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 135.15 ng

RT: 8.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

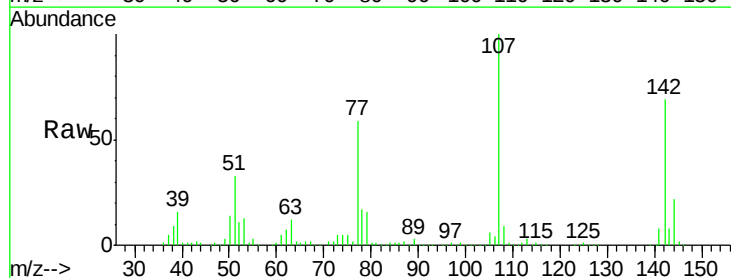
Tgt Ion:107 Resp: 1577436

Ion Ratio Lower Upper

107 100

144 22.2 20.7 31.1

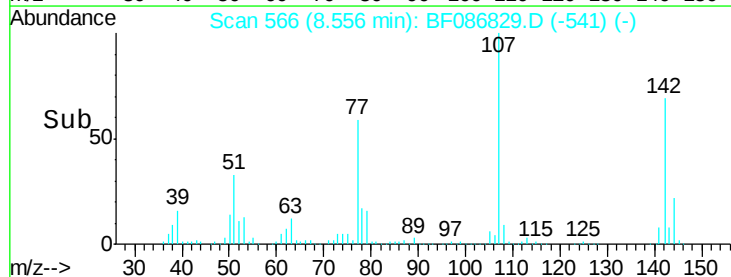
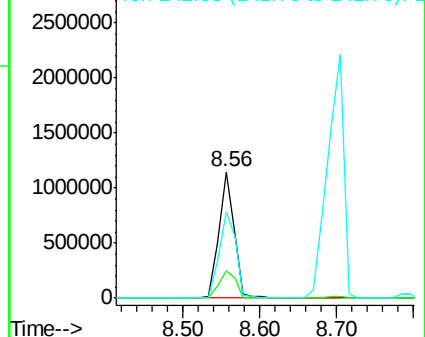
142 68.8 63.2 94.8

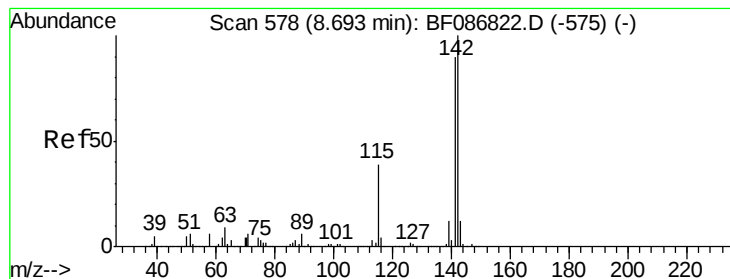


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 152.91 ng

RT: 8.70 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

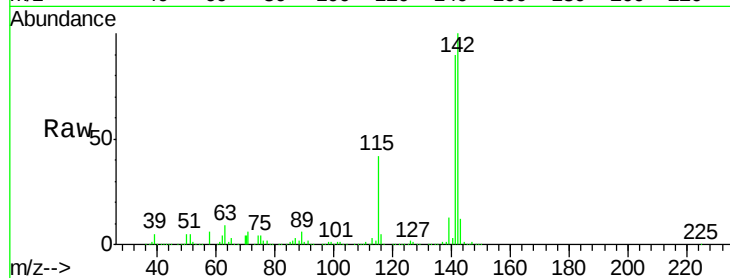
Tgt Ion:142 Resp: 3191598

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

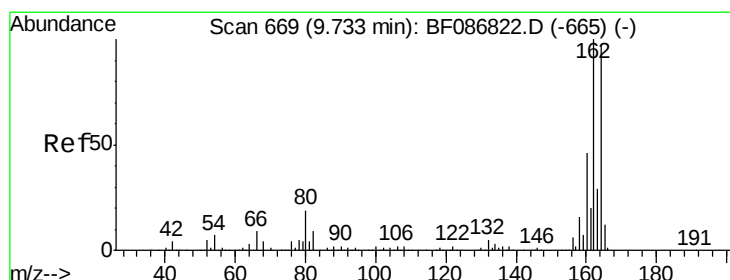
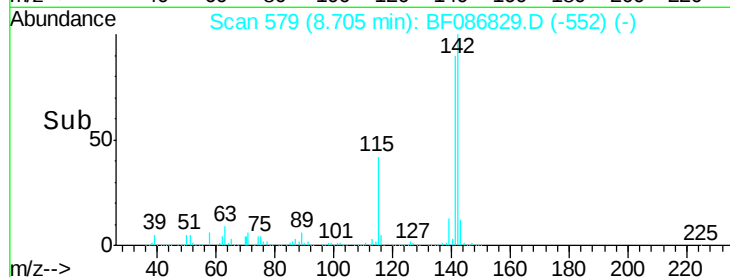
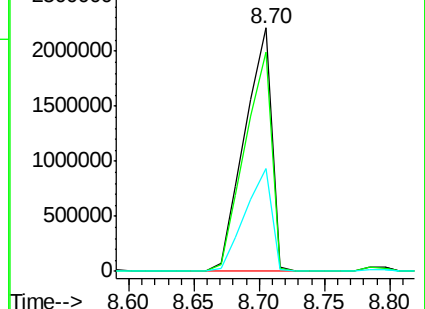
115 42.2 26.6 39.8#



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: 9.73 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

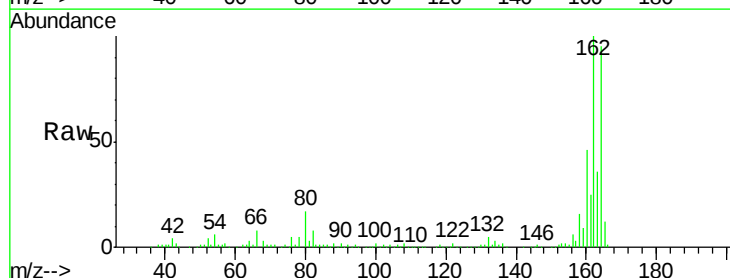
Tgt Ion:164 Resp: 339043

Ion Ratio Lower Upper

164 100

162 104.7 82.8 124.2

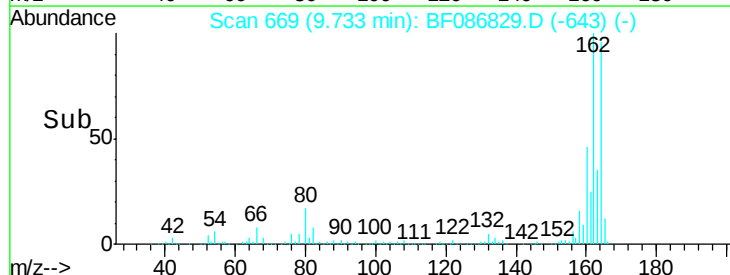
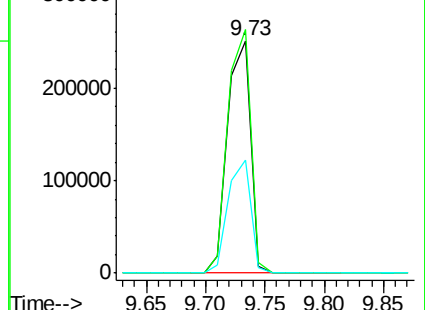
160 48.4 36.9 55.3

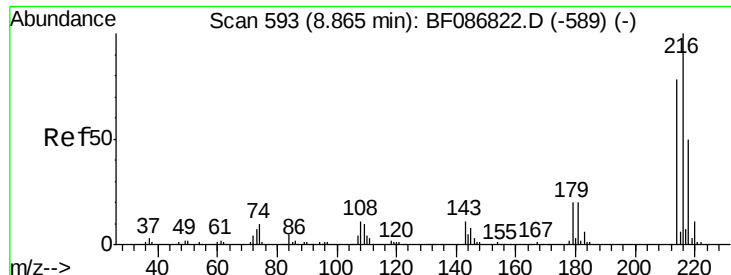


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

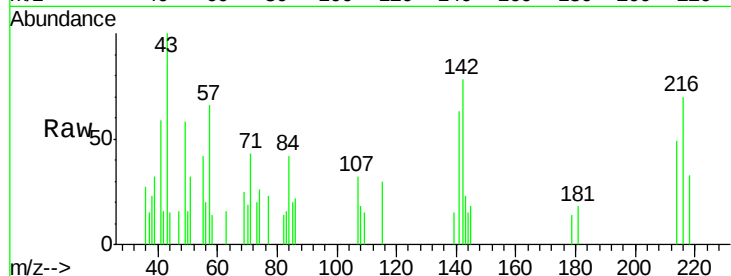




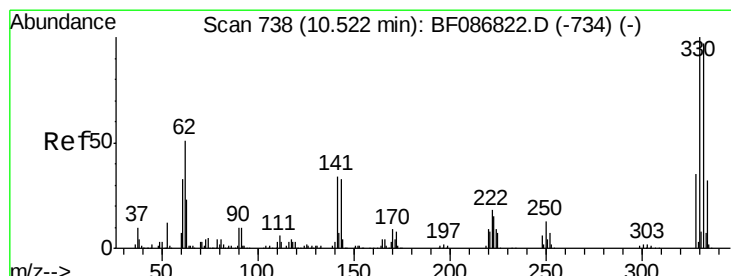
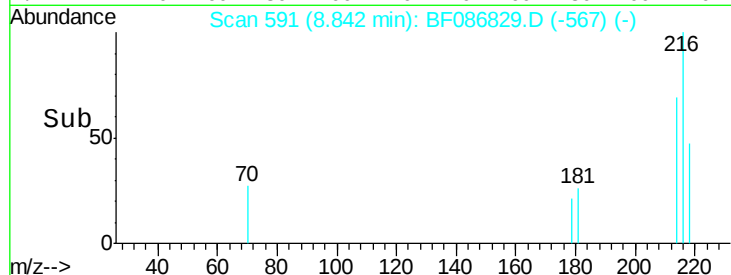
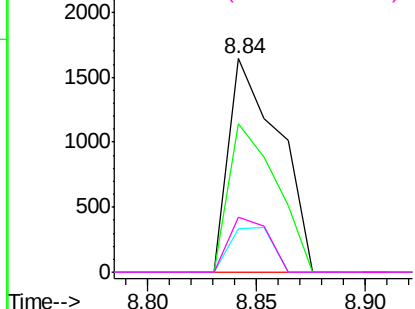
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.27 ng
 RT: 8.84 min Scan# 591
 Delta R.T. -0.02 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:216 Resp: 2632
 Ion Ratio Lower Upper
 216 100
 214 66.0 62.6 93.8
 179 17.8 18.2 27.4#
 108 0.0 17.5 26.3#

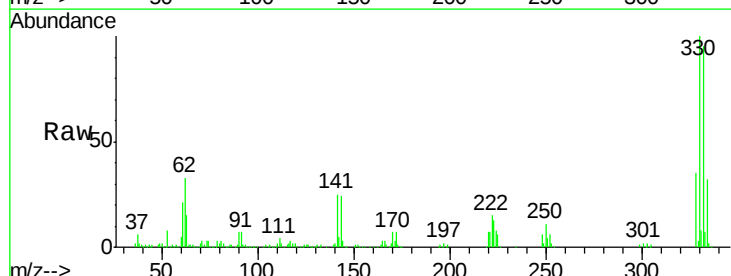


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

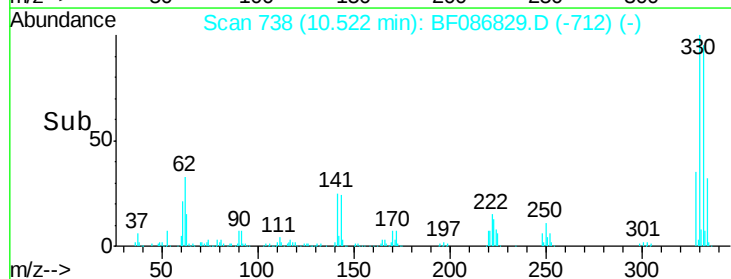
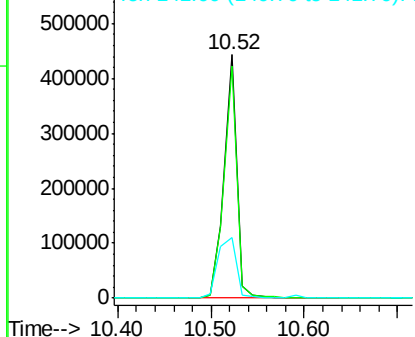


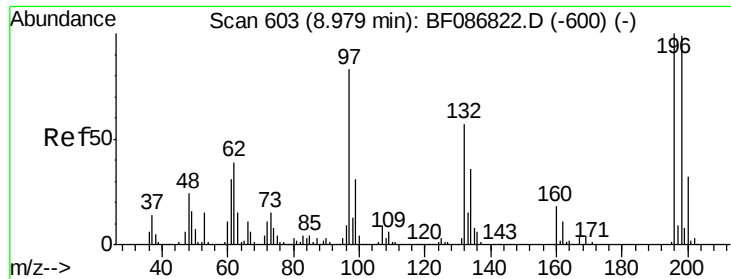
#41
 2,4,6-Tribromophenol
 Concen: 118.50 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:330 Resp: 425339
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 35.5 31.2 46.8



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

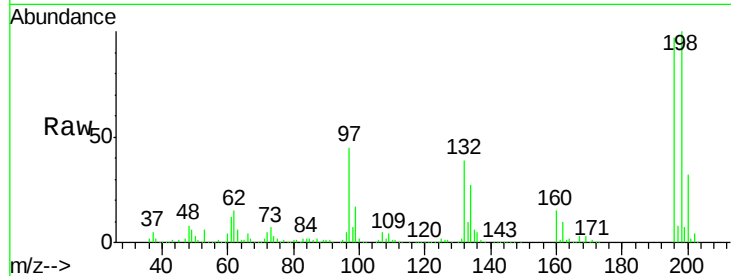




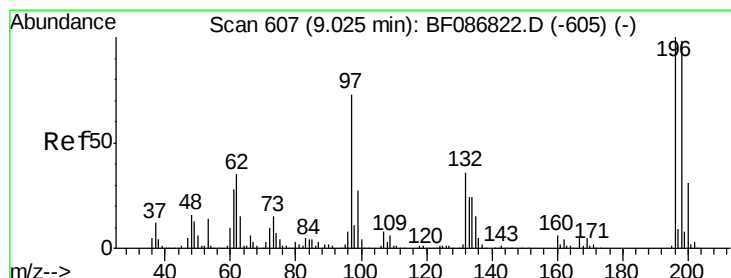
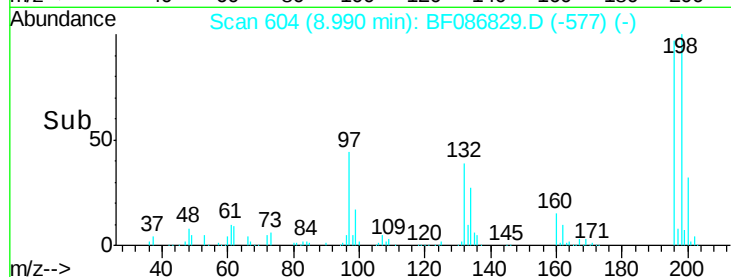
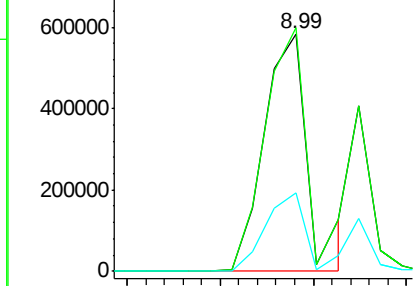
#42
 2,4,6-Trichlorophenol
 Concen: 144.13 ng
 RT: 8.99 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:196 Resp: 950045
 Ion Ratio Lower Upper
 196 100
 198 102.6 74.7 112.1
 200 33.4 23.8 35.6

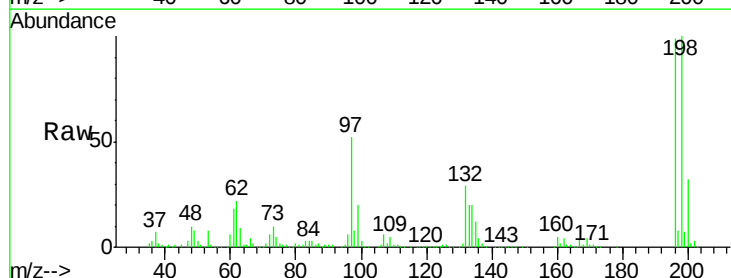


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

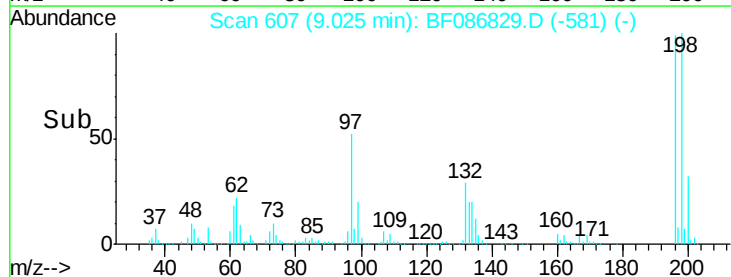
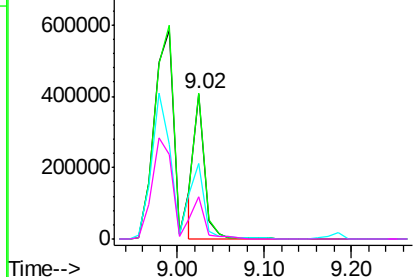


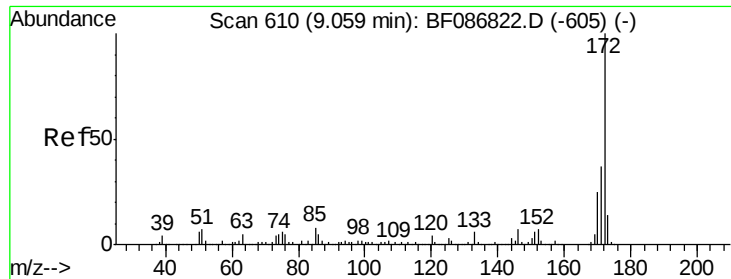
#43
 2,4,5-Trichlorophenol
 Concen: 49.01 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:196 Resp: 334130
 Ion Ratio Lower Upper
 196 100
 198 100.5 77.5 116.3
 97 52.1 34.8 52.2
 132 29.3 23.0 34.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

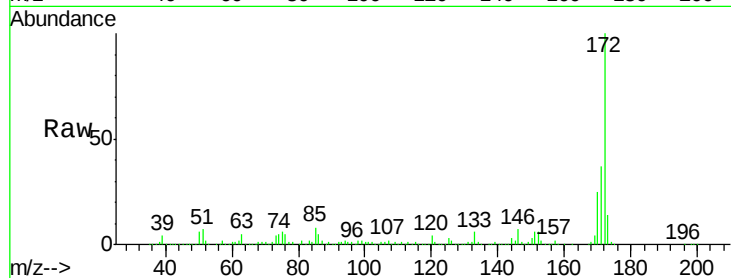




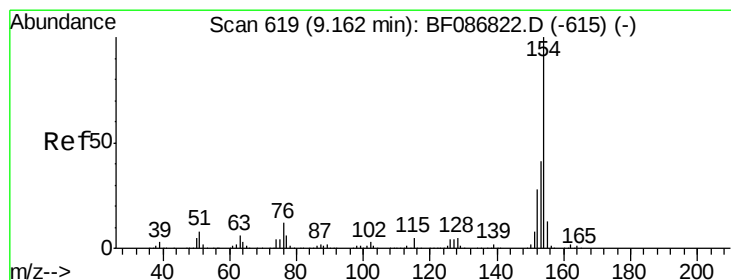
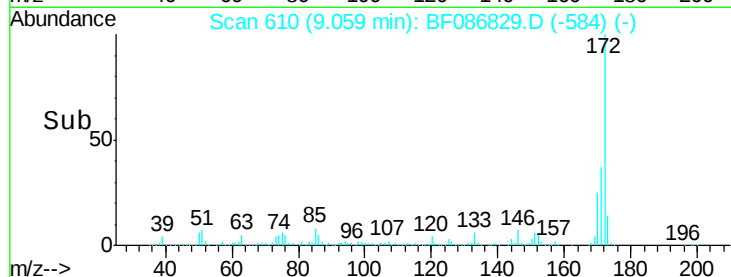
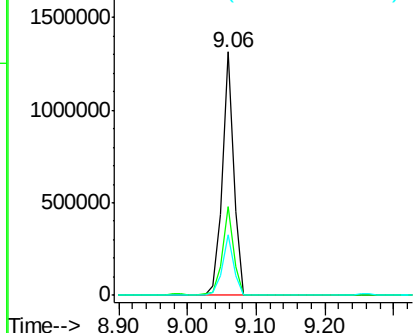
#44
 2-Fluorobiphenyl
 Concen: 77.42 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:172 Resp: 1561834
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.7 19.8 29.8

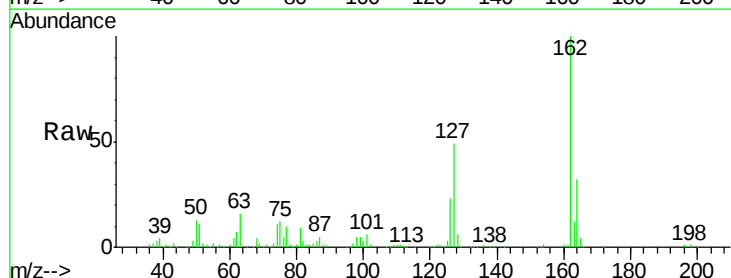


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

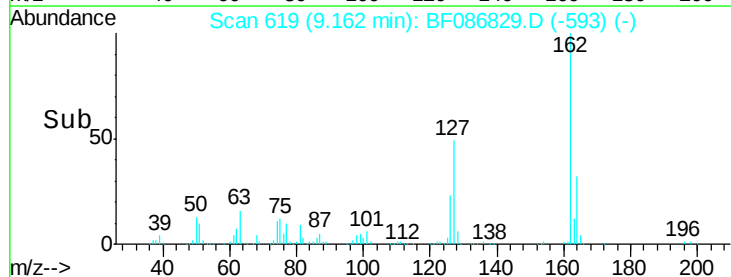
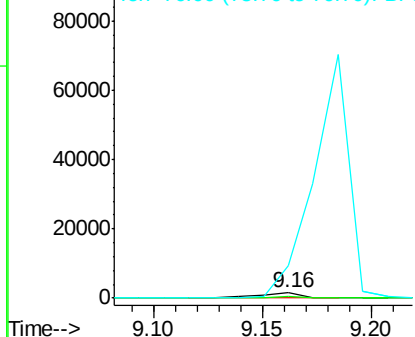


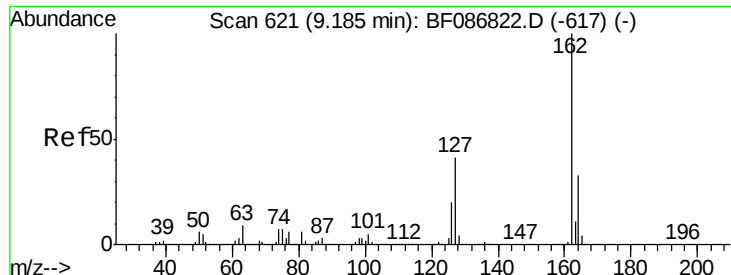
#45
 1,1'-Biphenyl
 Concen: 0.07 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:154 Resp: 1891
 Ion Ratio Lower Upper
 154 100
 153 36.4 20.3 60.3
 76 611.4 0.0 30.2#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

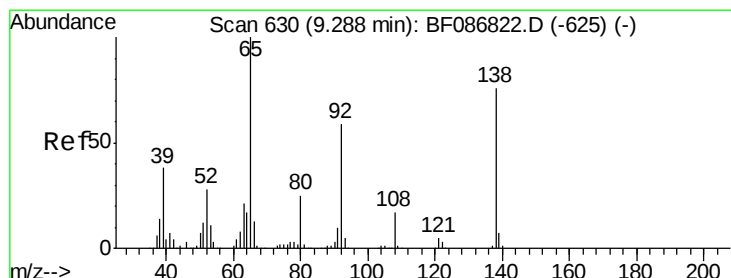
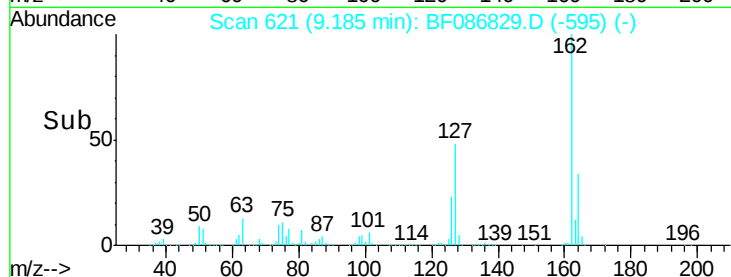
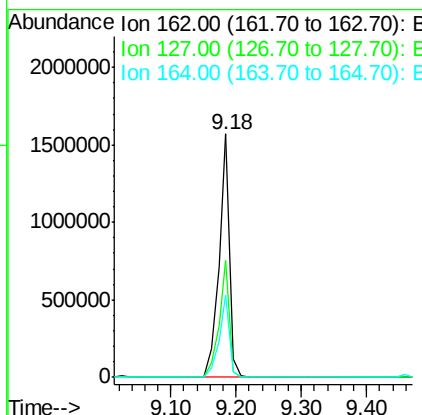
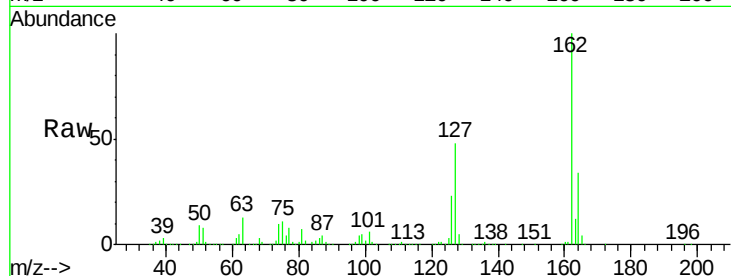




#46
2-Chloronaphthalene
Concen: 85.25 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

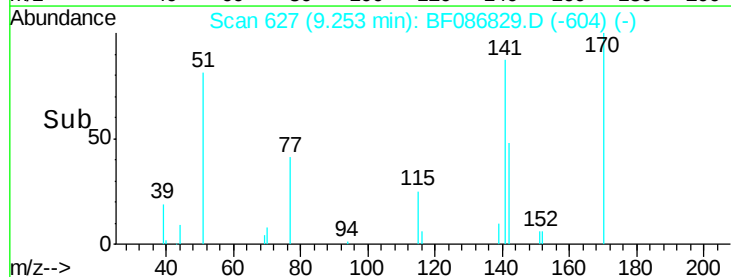
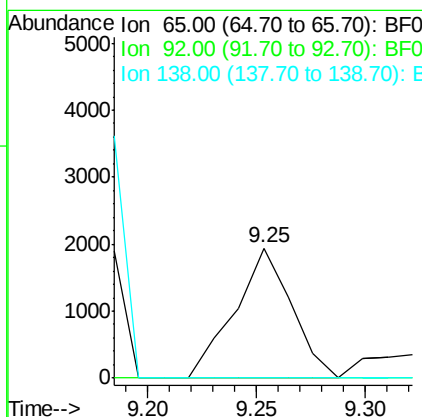
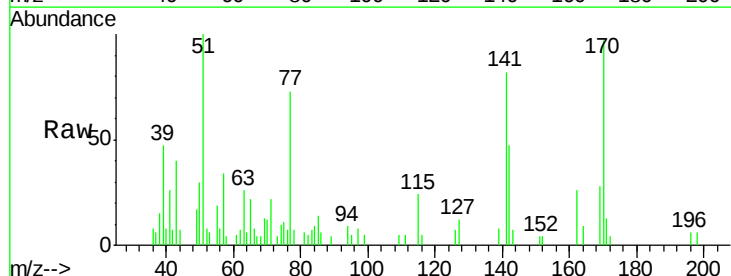
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

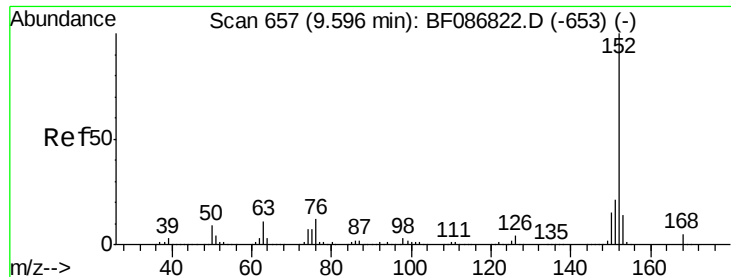
Tgt Ion: 162 Resp: 1801245
Ion Ratio Lower Upper
162 100
127 48.1 31.8 47.6#
164 33.7 27.0 40.6



#47
2-Nitroaniline
Concen: 0.46 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.03 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion: 65 Resp: 3529
Ion Ratio Lower Upper
65 100
92 0.0 57.4 86.2#
138 0.0 90.1 135.1#





#48

Acenaphthylene

Concen: 27.75 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.17 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

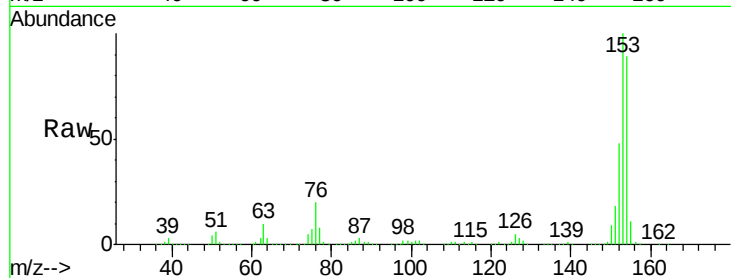
Tgt Ion:152 Resp: 862388

Ion Ratio Lower Upper

152 100

151 38.3 16.8 25.2#

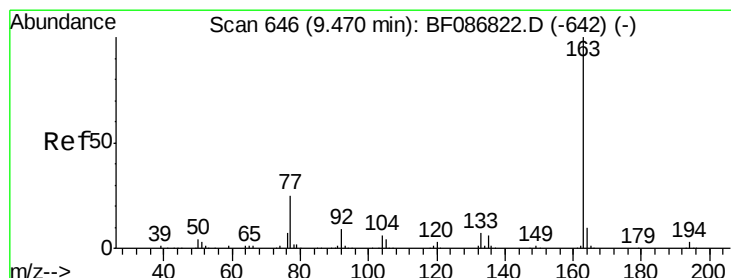
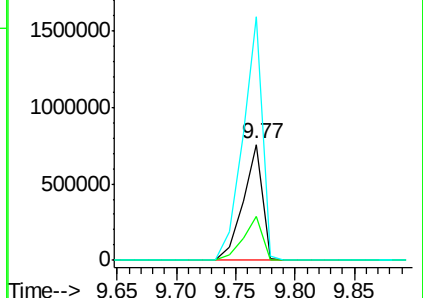
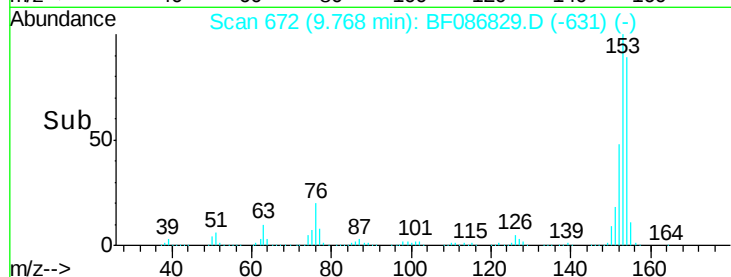
153 209.5 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.91 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

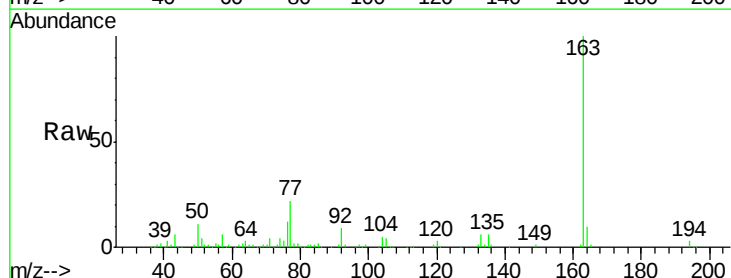
Tgt Ion:163 Resp: 178757

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

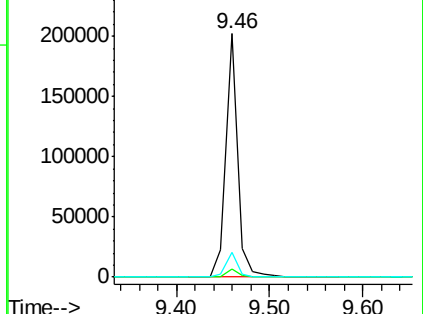
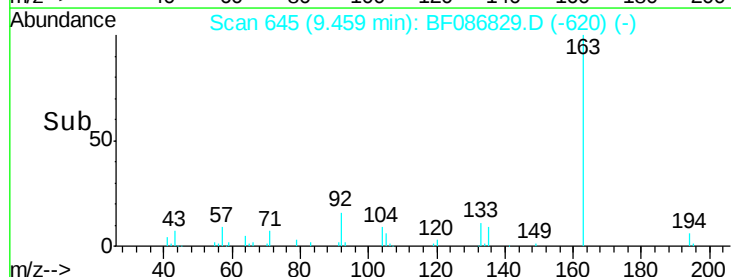
164 10.0 8.2 12.4

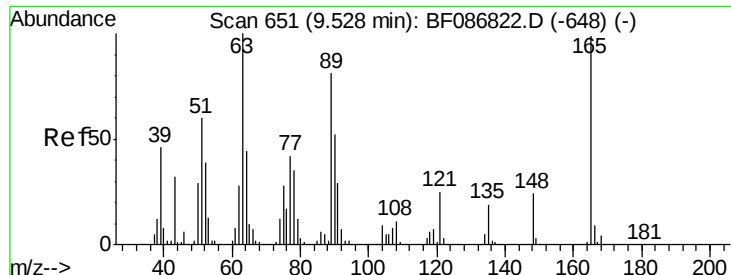


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

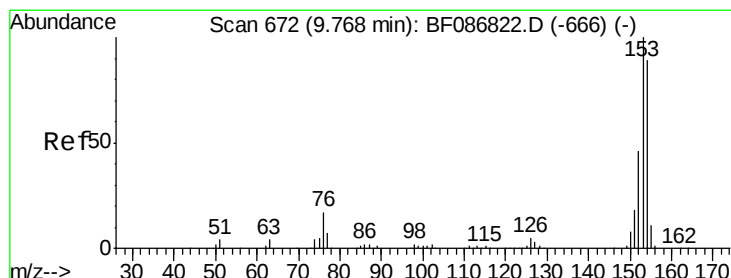
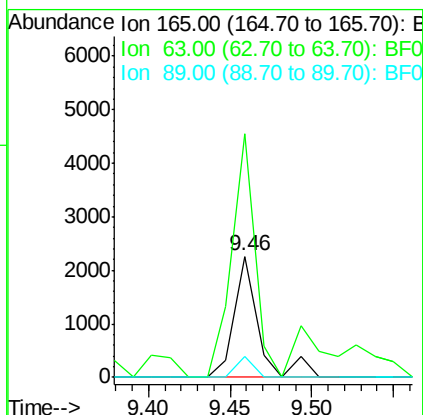
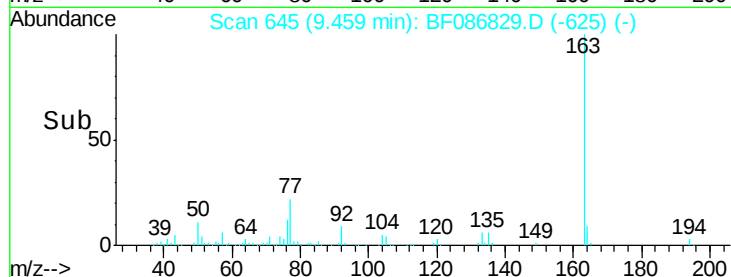
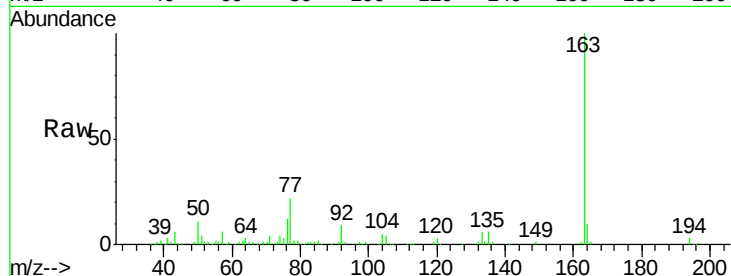




#50
2,6-Dinitrotoluene
Concen: 0.43 ng
RT: 9.46 min Scan# 645
Delta R.T. -0.07 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

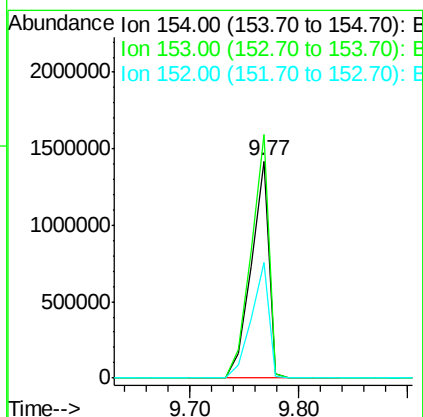
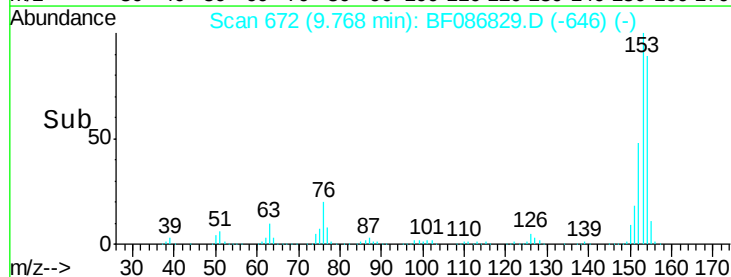
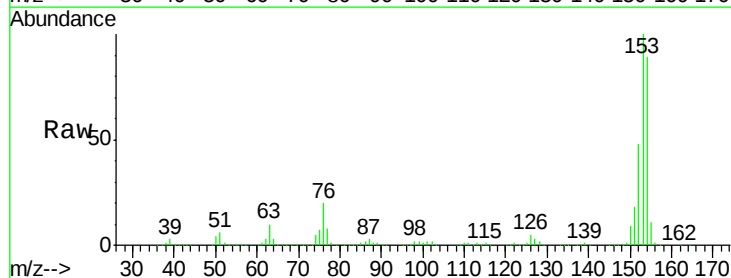
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

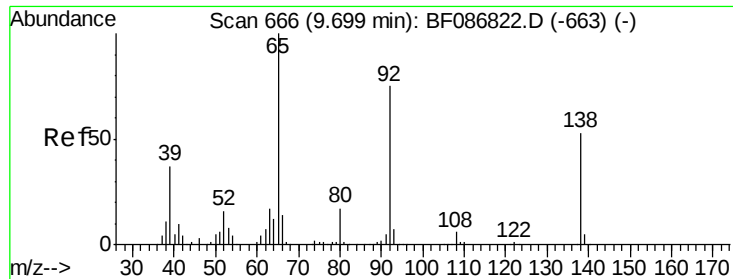
Tgt Ion:165 Resp: 2318
Ion Ratio Lower Upper
165 100
63 201.6 51.8 77.8#
89 17.7 50.7 76.1#



#51
Acenaphthene
Concen: 83.70 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:154 Resp: 1618166
Ion Ratio Lower Upper
154 100
153 112.3 89.8 134.6
152 53.6 43.4 65.0

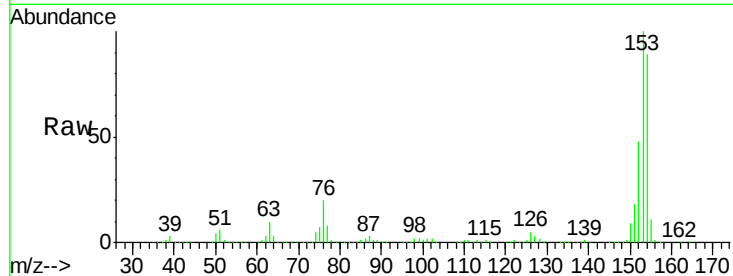




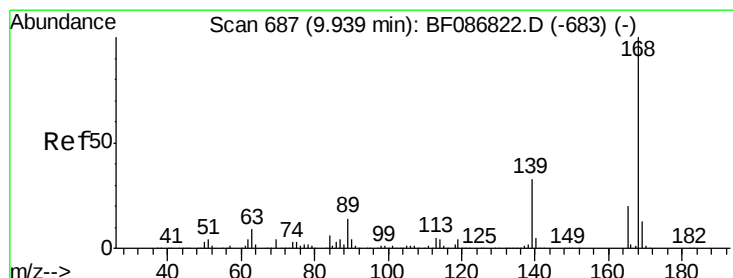
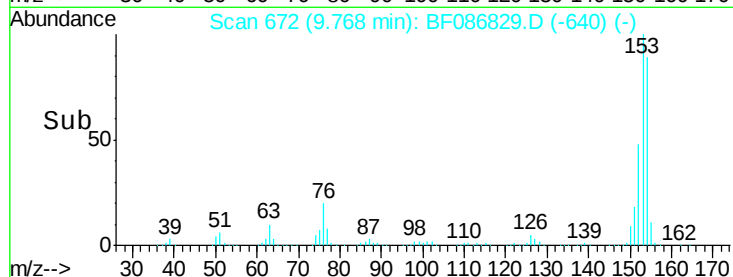
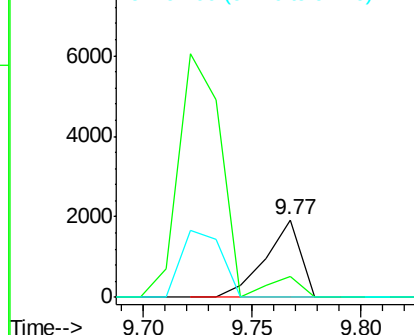
#52
3-Nitroaniline
Concen: 0.38 ng
RT: 9.77 min Scan# 672
Delta R.T. 0.07 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:138 Resp: 2178
Ion Ratio Lower Upper
138 100
108 27.1 7.8 11.6#
92 0.0 87.8 131.8#

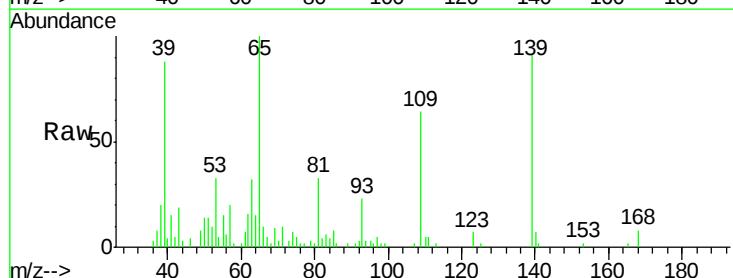


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

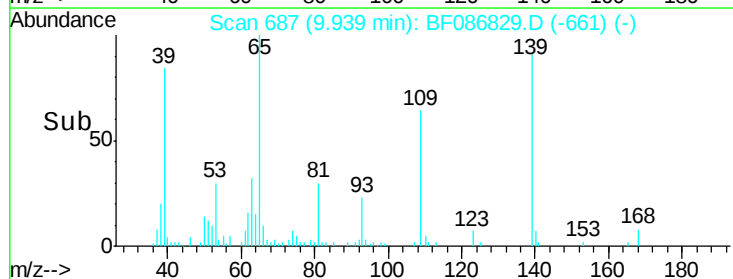
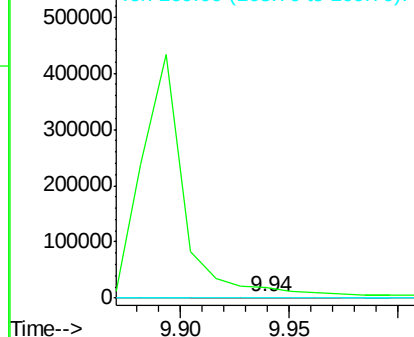


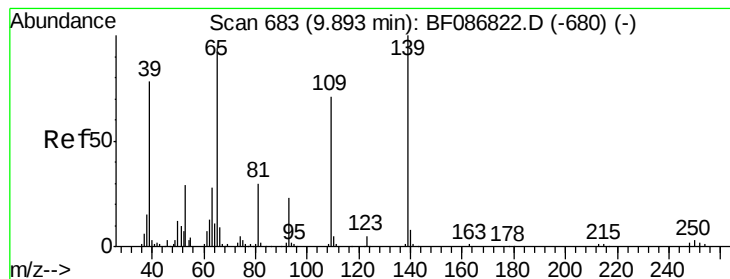
#54
Dibenzofuran
Concen: 0.09 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:168 Resp: 2121
Ion Ratio Lower Upper
168 100
139 1146.1 31.4 47.0#
169 0.0 10.7 16.1#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 159.95 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

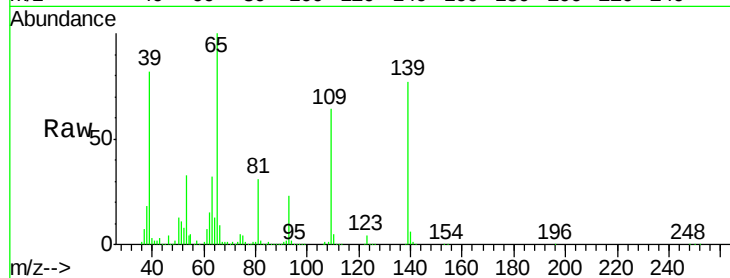
Tgt Ion:139 Resp: 629679

Ion Ratio Lower Upper

139 100

109 82.9 36.9 76.9#

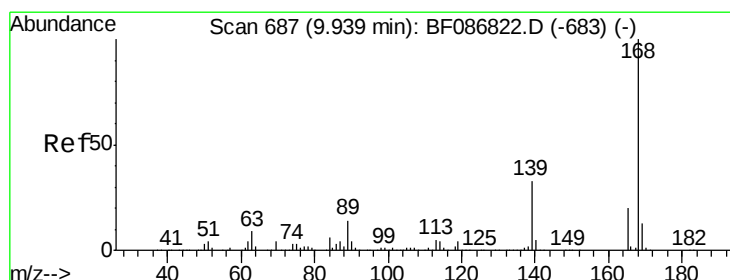
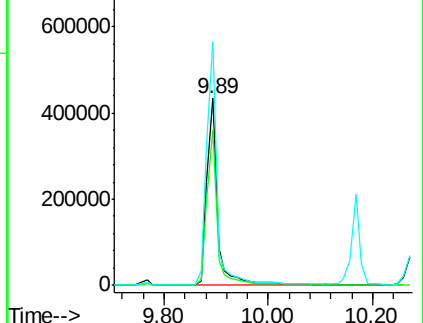
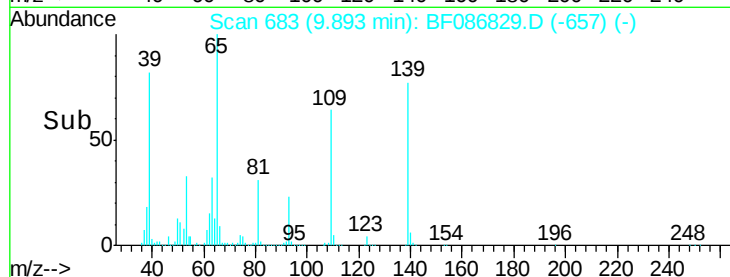
65 130.4 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.38 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.21 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Tgt Ion:165 Resp: 42971

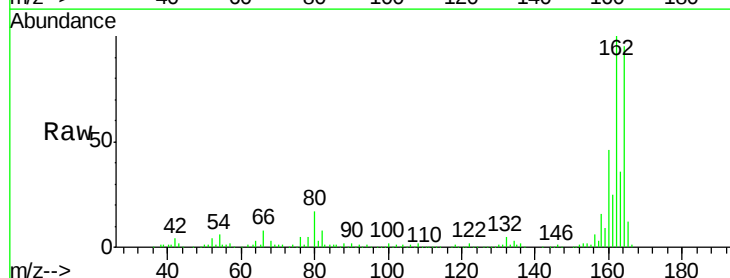
Ion Ratio Lower Upper

165 100

63 6.4 44.3 66.5#

89 2.5 70.0 105.0#

182 0.0 1.8 2.6#

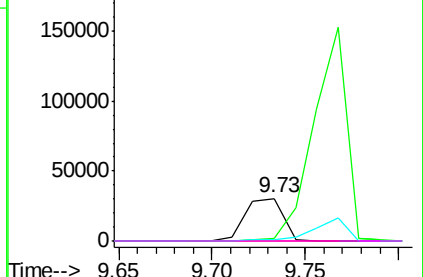
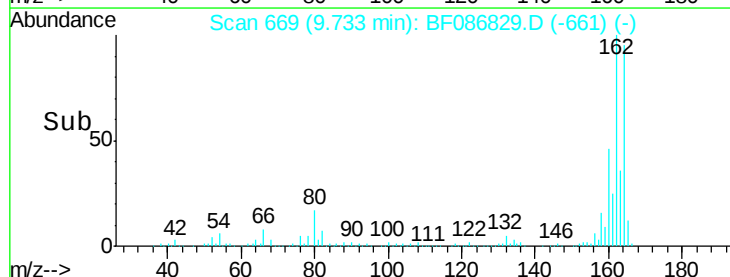


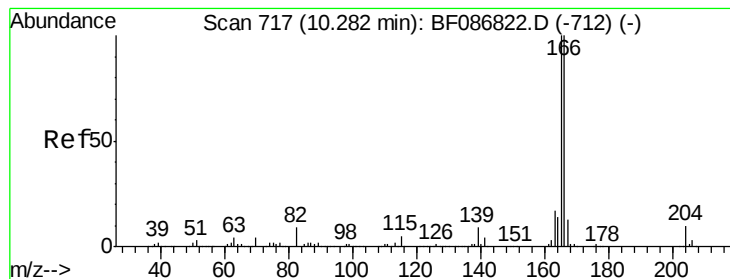
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.12 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

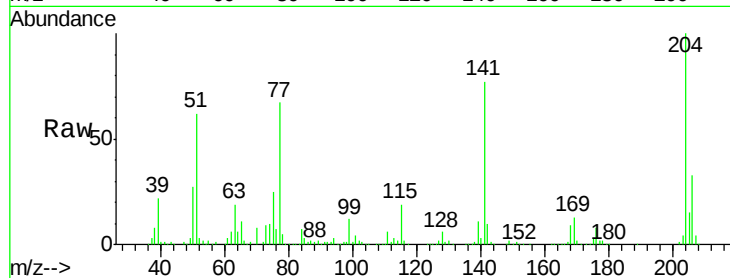
Tgt Ion:166 Resp: 2586

Ion Ratio Lower Upper

166 100

165 111.5 79.0 118.6

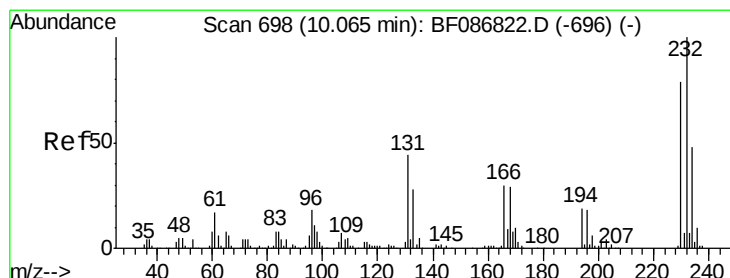
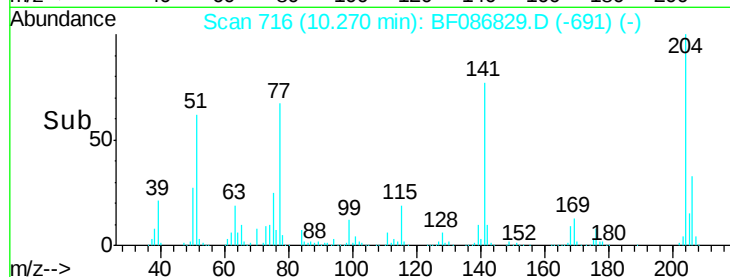
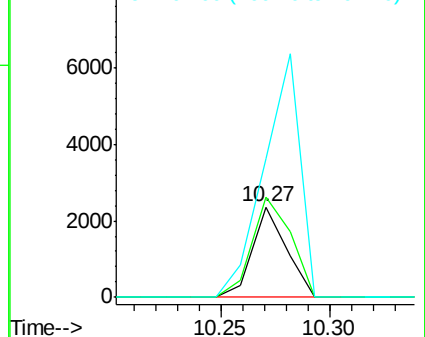
167 153.4 10.6 15.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.46 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Tgt Ion:232 Resp: 2351

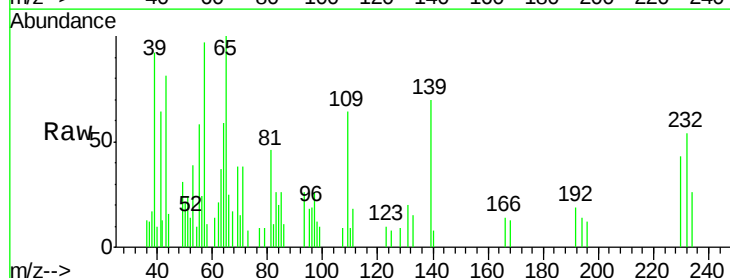
Ion Ratio Lower Upper

232 100

131 49.4 41.9 62.9

130 0.0 2.2 3.4#

166 42.8 26.8 40.2#

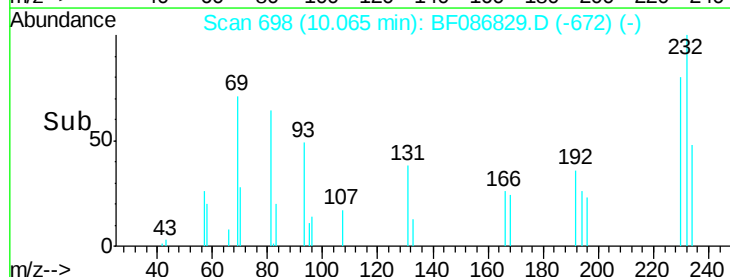
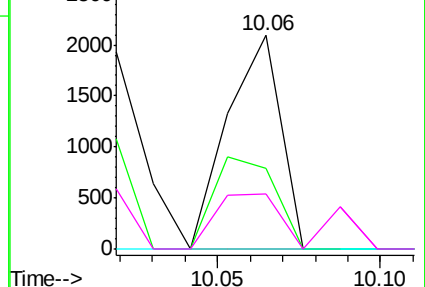


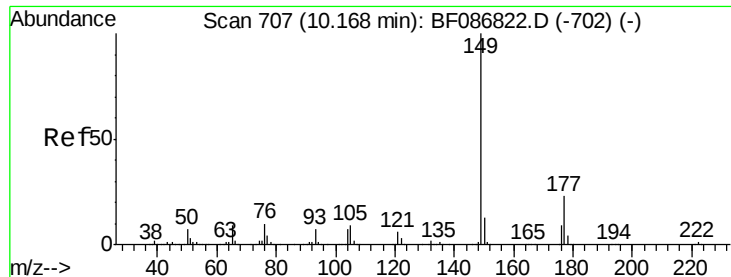
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

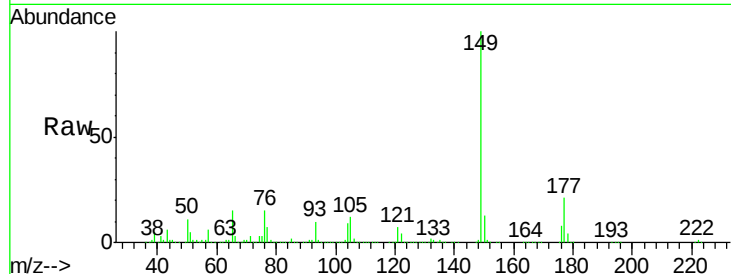




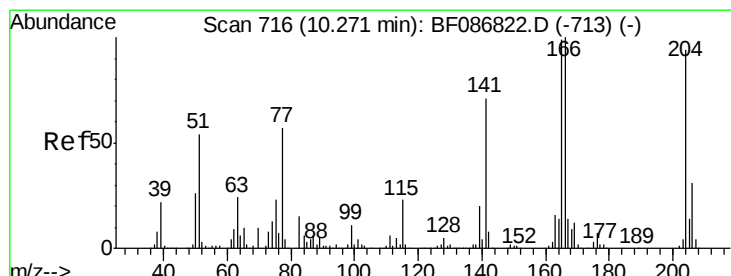
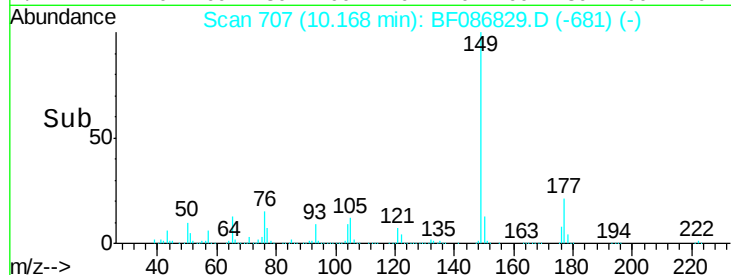
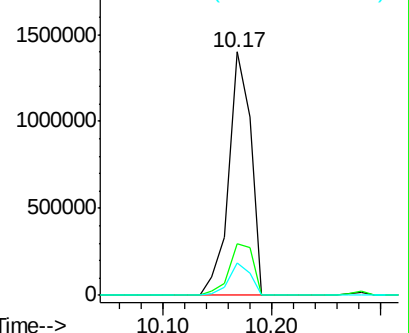
#59
Diethylphthalate
Concen: 78.58 ng
RT: 10.17 min Scan# 707
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:149 Resp: 1980669
Ion Ratio Lower Upper
149 100
177 21.3 16.6 24.8
150 13.4 10.0 15.0

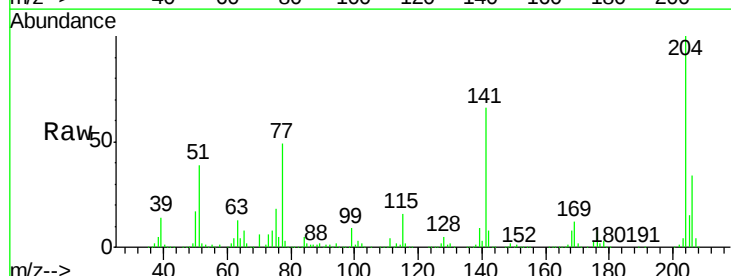


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

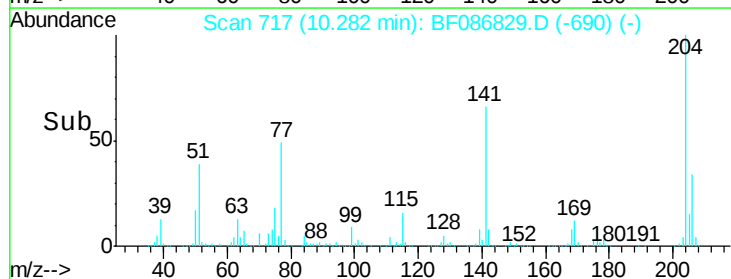
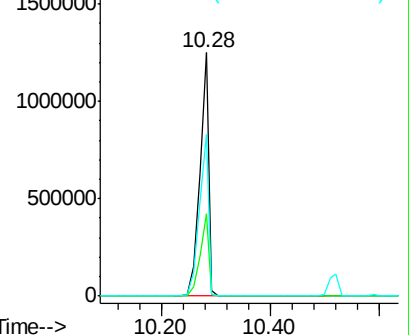


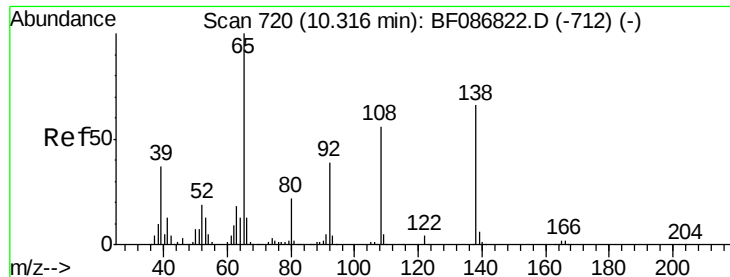
#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:204 Resp: 1432762
Ion Ratio Lower Upper
204 100
206 34.1 25.4 38.0
141 66.3 61.6 92.4



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

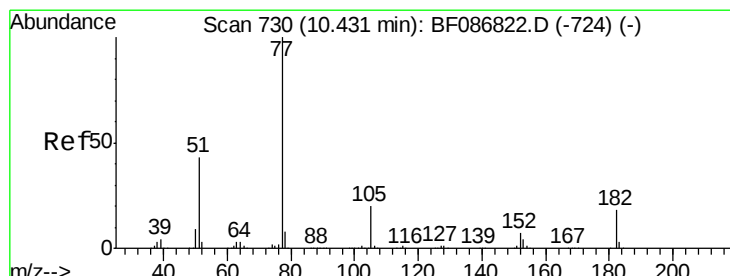
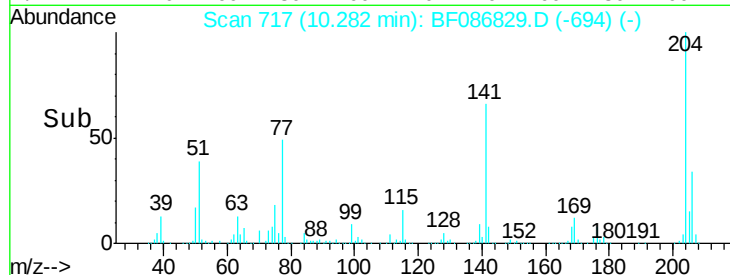
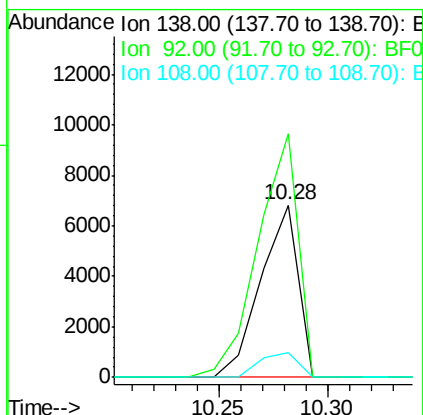
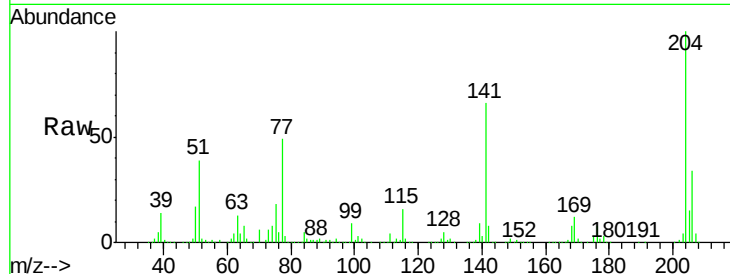




#61
4-Nitroaniline
Concen: 1.50 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.03 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

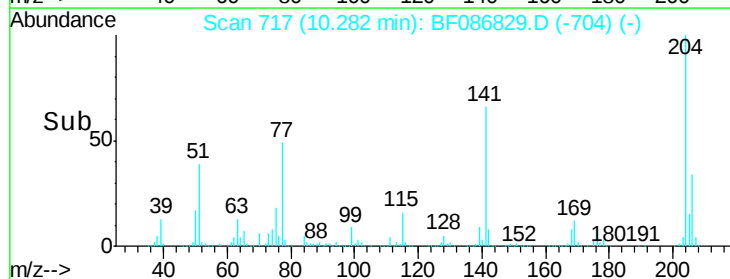
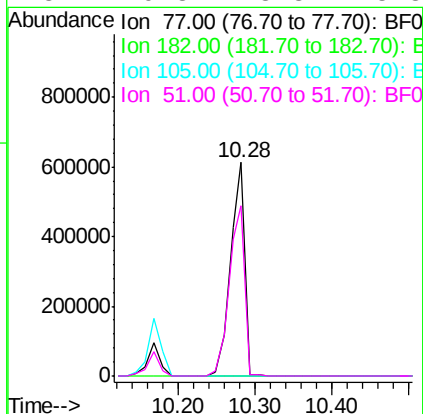
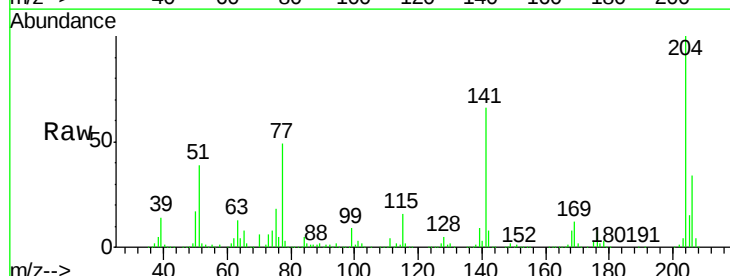
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

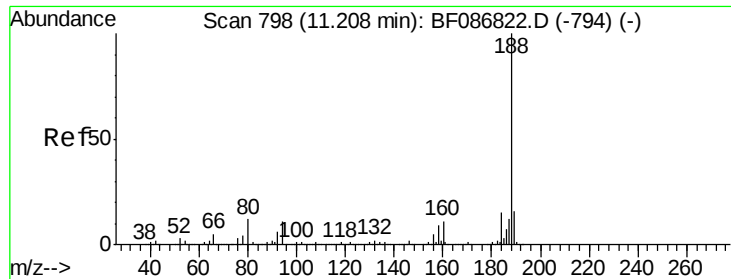
Tgt Ion:138 Resp: 8233
Ion Ratio Lower Upper
138 100
92 141.3 24.7 64.7#
108 14.3 37.4 77.4#



#62
Azobenzene
Concen: 29.78 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.15 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion: 77 Resp: 809795
Ion Ratio Lower Upper
77 100
182 0.0 0.0 38.8
105 0.2 3.2 43.2#
51 79.8 8.8 48.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

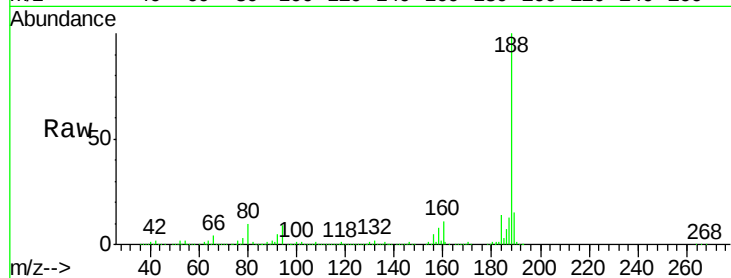
Tgt Ion:188 Resp: 657840

Ion Ratio Lower Upper

188 100

94 9.4 6.8 10.2

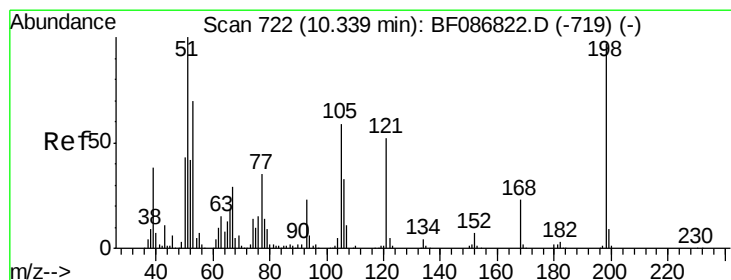
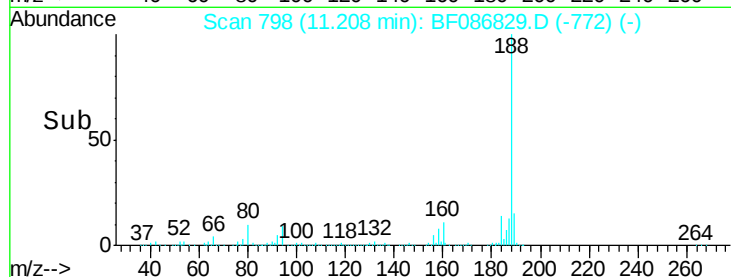
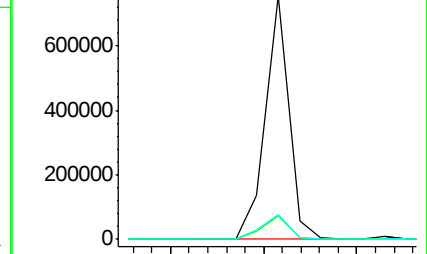
80 10.1 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 0.06 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.08 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

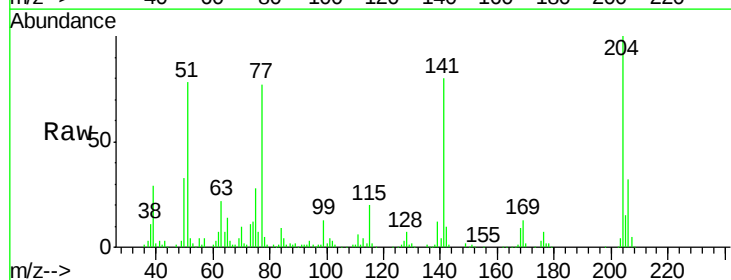
Tgt Ion:198 Resp: 250

Ion Ratio Lower Upper

198 100

51 32085.7 20.5 60.5#

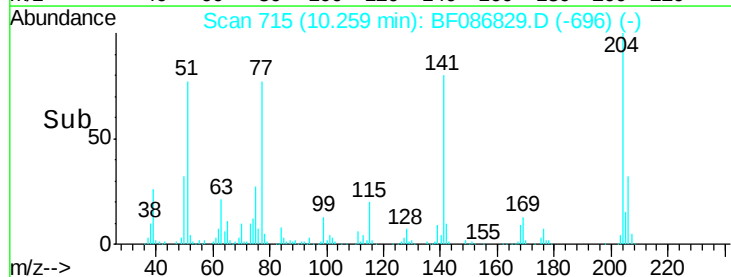
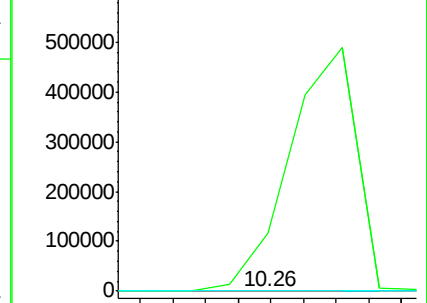
105 99.5 24.5 64.5#

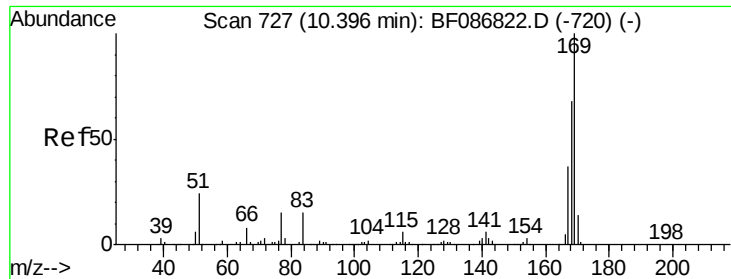


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 8.74 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.11 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

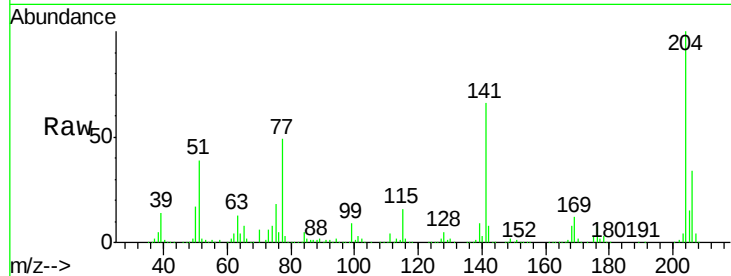
Tgt Ion:169 Resp: 176601

Ion Ratio Lower Upper

169 100

168 68.1 53.8 80.6

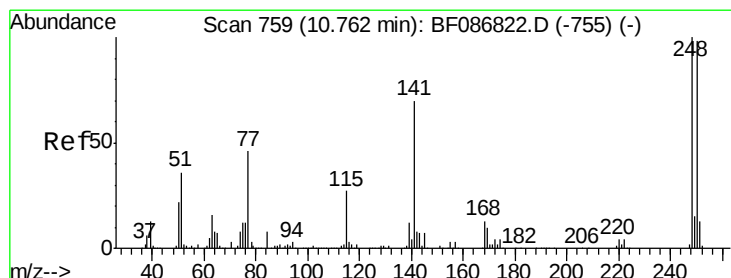
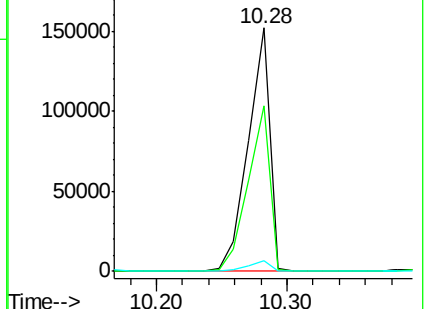
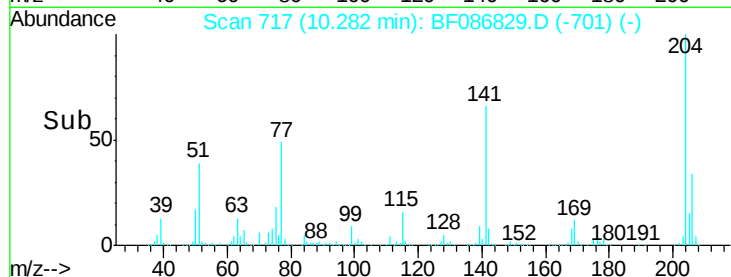
167 4.2 29.5 44.3#



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: 79.75 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

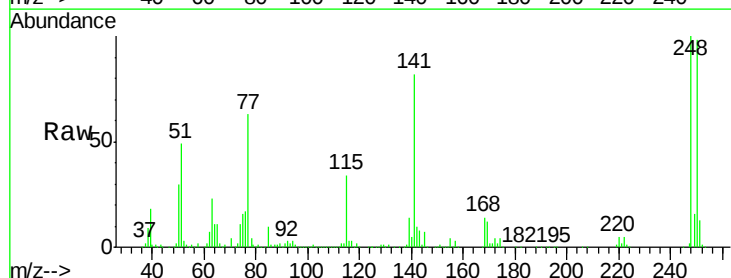
Tgt Ion:248 Resp: 531889

Ion Ratio Lower Upper

248 100

250 97.8 78.6 117.8

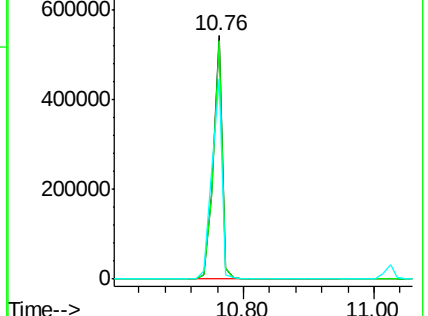
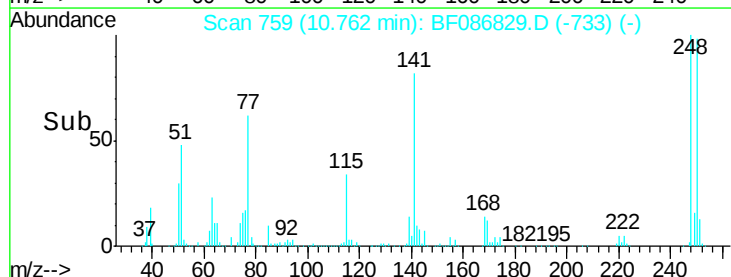
141 82.2 76.0 114.0

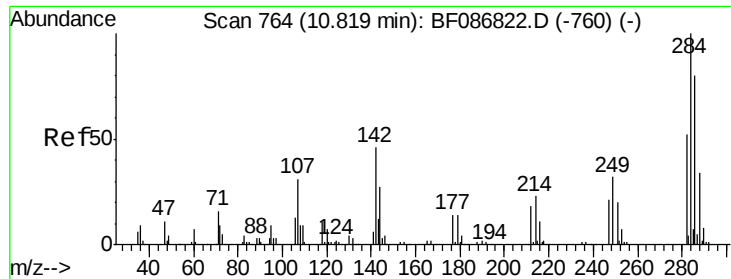


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 0.07 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

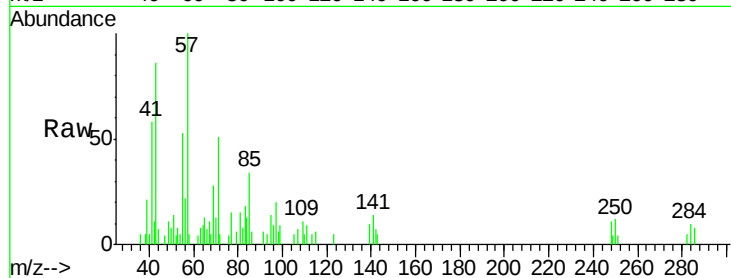
Tgt Ion:284 Resp: 556

Ion Ratio Lower Upper

284 100

142 65.4 16.7 25.1#

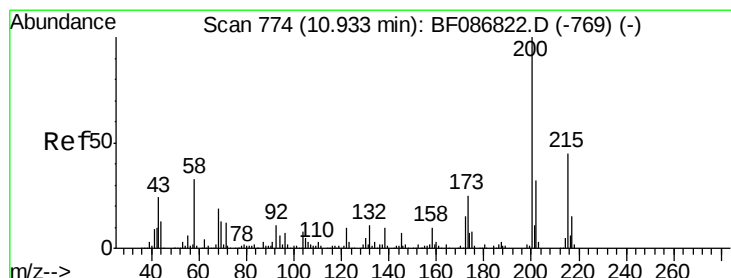
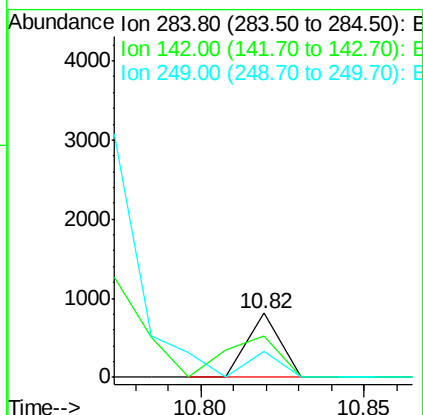
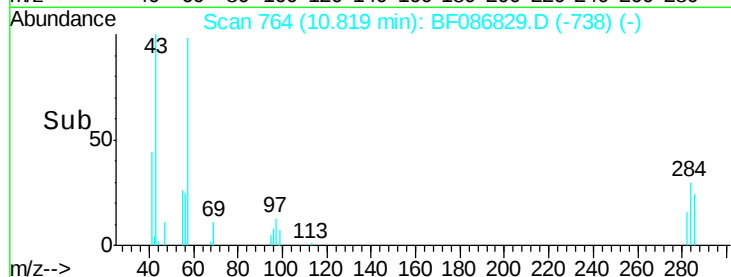
249 41.1 21.3 31.9#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 14.18 ng

RT: 11.02 min Scan# 782

Delta R.T. 0.09 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

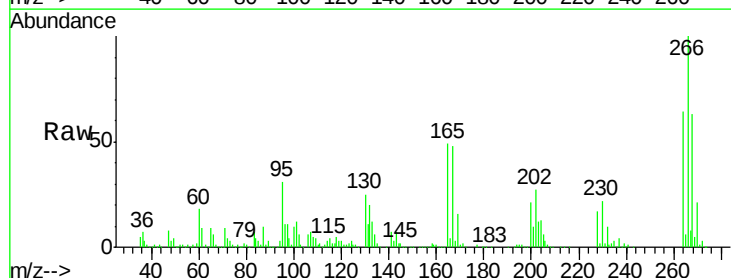
Tgt Ion:200 Resp: 95760

Ion Ratio Lower Upper

200 100

173 0.0 8.5 48.5#

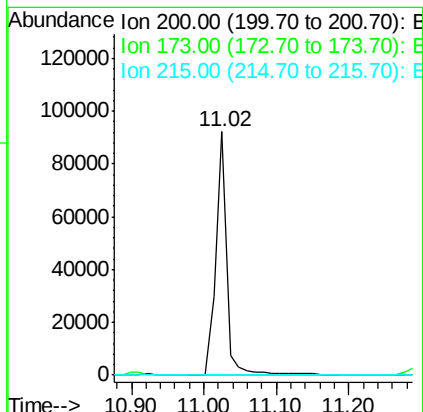
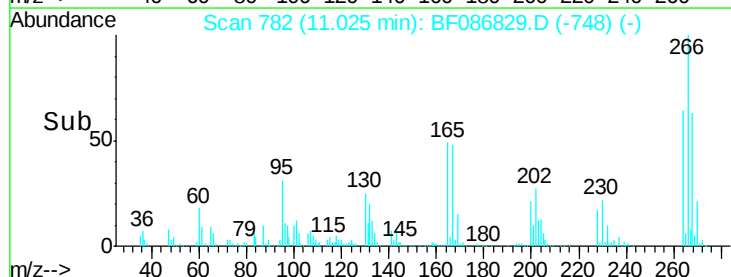
215 0.0 27.2 67.2#

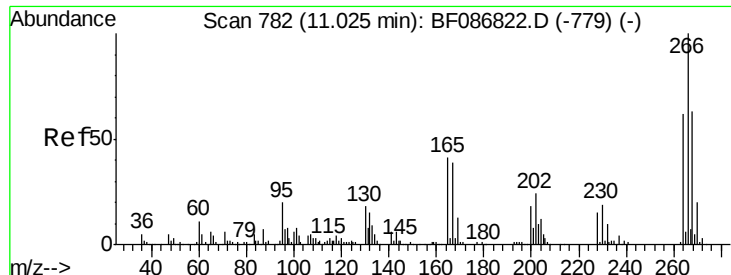


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

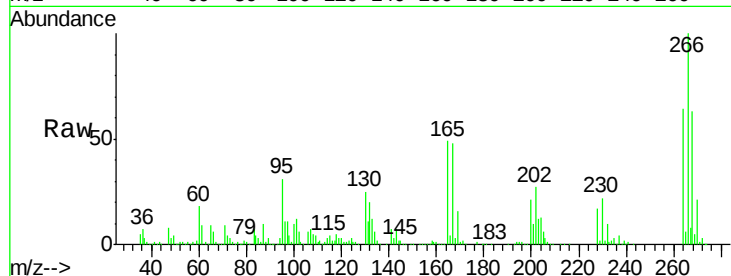




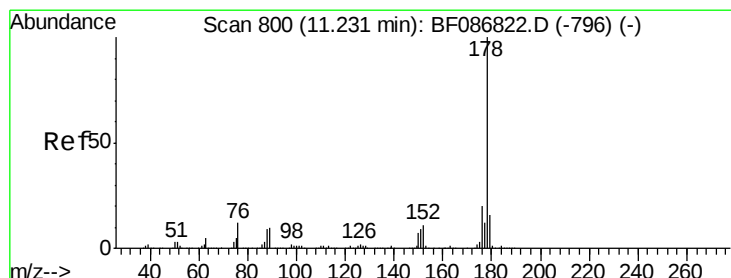
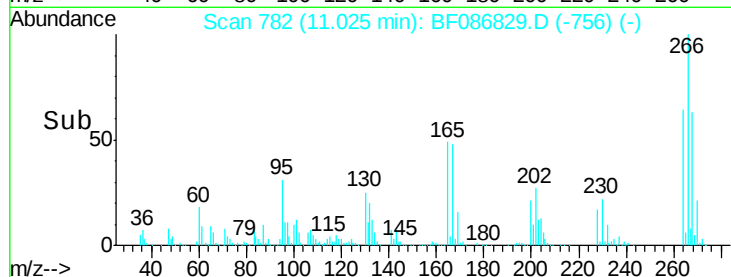
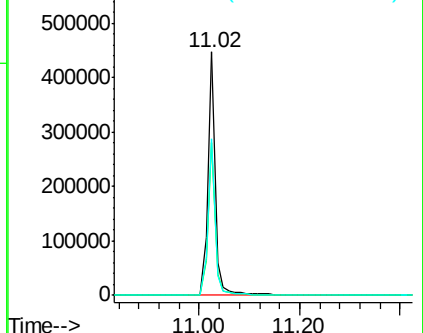
#69
 Pentachlorophenol
 Concen: 128.01 ng
 RT: 11.02 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:266 Resp: 461153
 Ion Ratio Lower Upper
 266 100
 268 62.8 51.5 77.3
 264 64.1 52.9 79.3

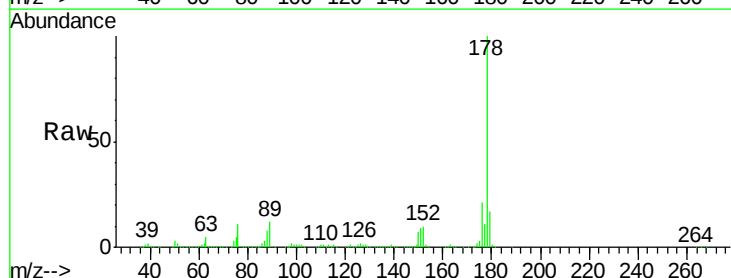


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

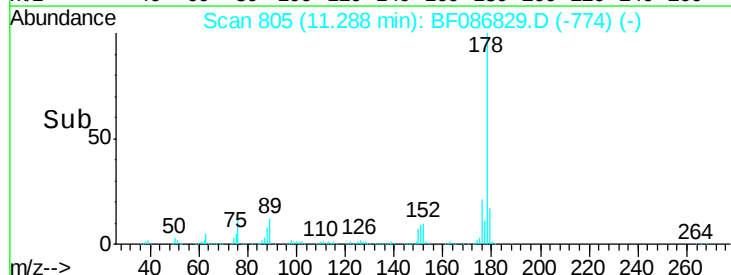
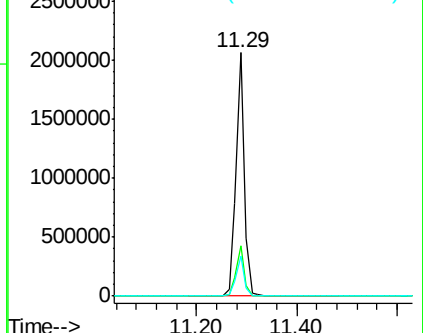


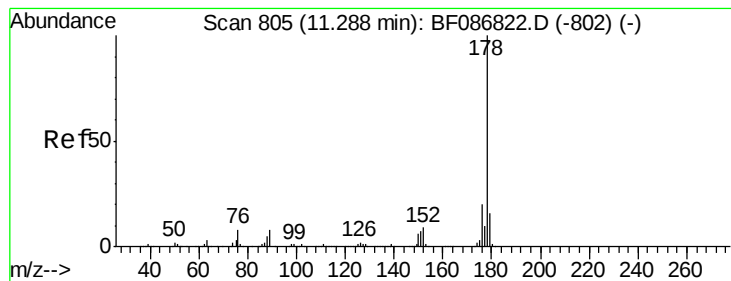
#70
 Phenanthrene
 Concen: 68.06 ng
 RT: 11.29 min Scan# 805
 Delta R.T. 0.06 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:178 Resp: 2389371
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.0 24.0
 179 16.6 12.6 18.8



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





#71

Anthracene

Concen: 66.65 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

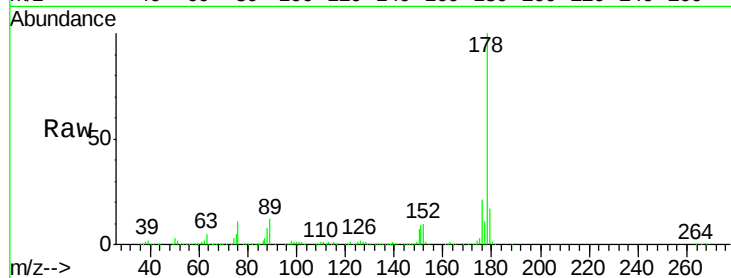
Tgt Ion:178 Resp: 2392802

Ion Ratio Lower Upper

178 100

176 20.7 15.6 23.4

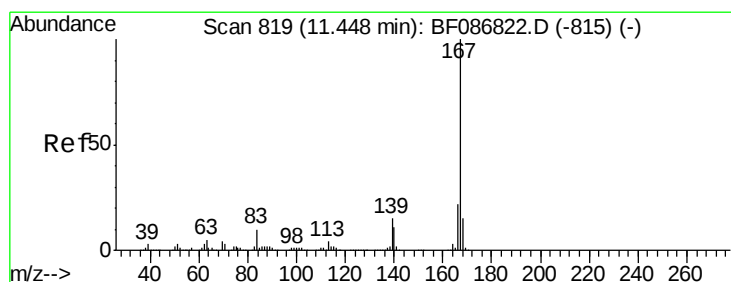
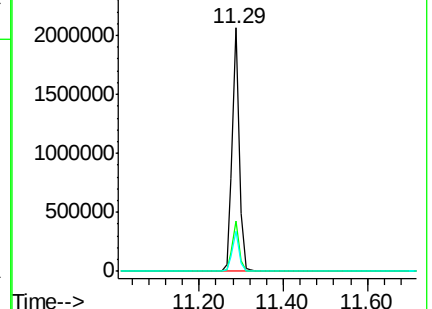
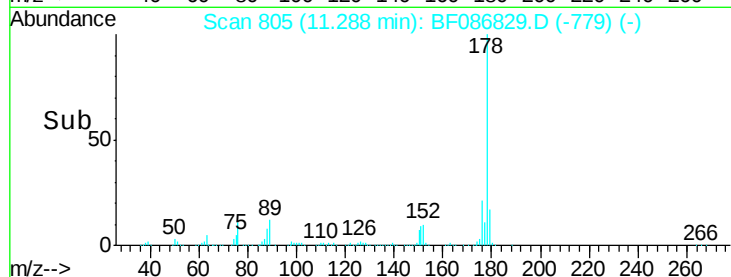
179 16.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.30 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

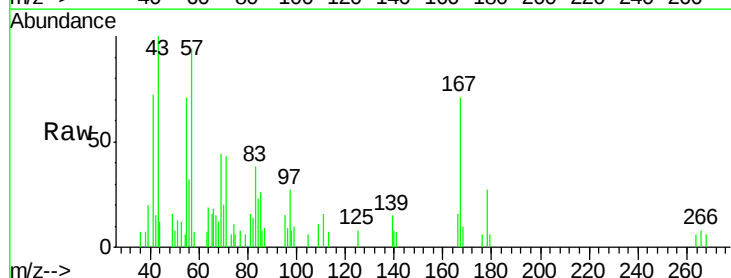
Tgt Ion:167 Resp: 9222

Ion Ratio Lower Upper

167 100

166 22.4 17.7 26.5

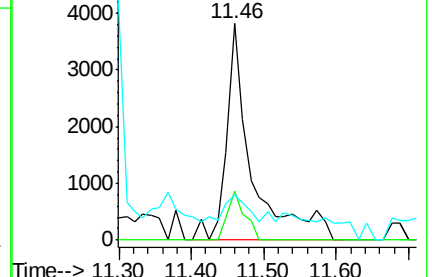
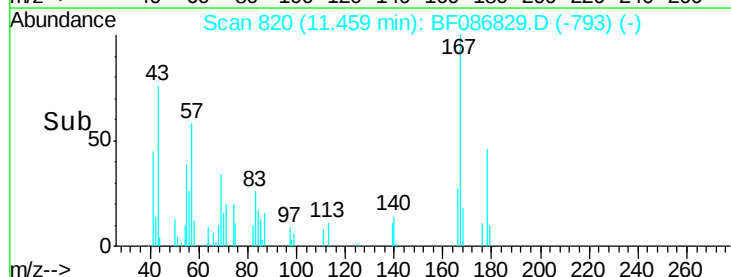
139 21.1 10.8 16.2#

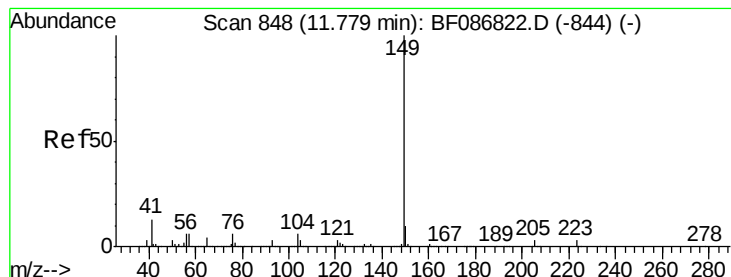


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 112.33 ng

RT: 11.79 min Scan# 849

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

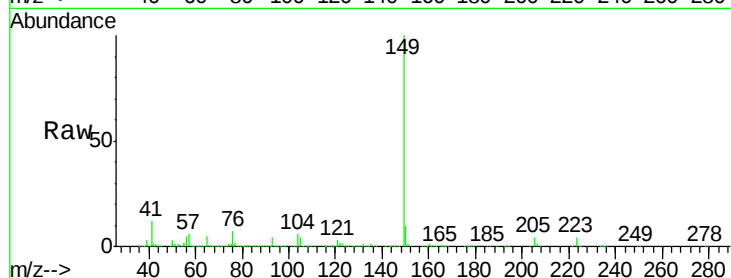
Tgt Ion:149 Resp: 4233786

Ion Ratio Lower Upper

149 100

150 10.2 7.6 11.4

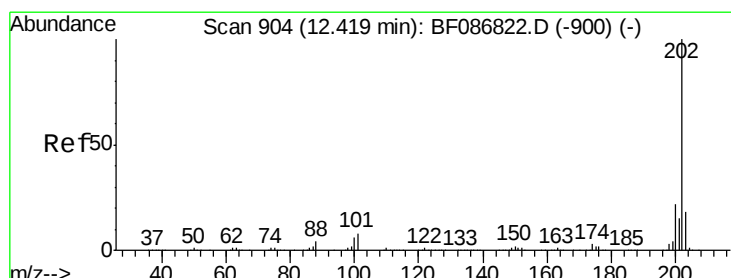
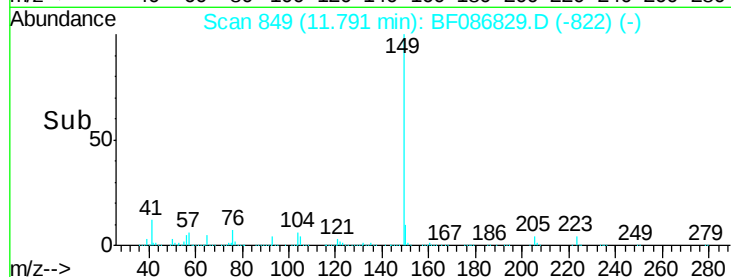
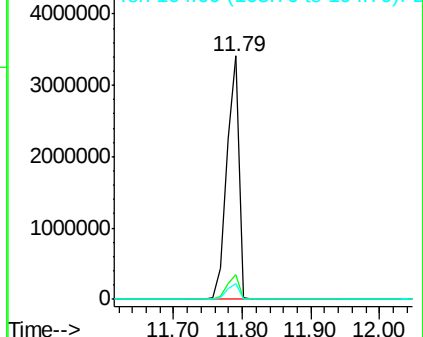
104 6.5 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 110.93 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.23 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

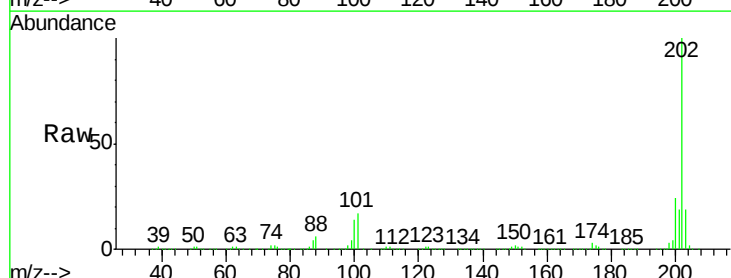
Tgt Ion:202 Resp: 4005583

Ion Ratio Lower Upper

202 100

101 16.8 0.0 35.4

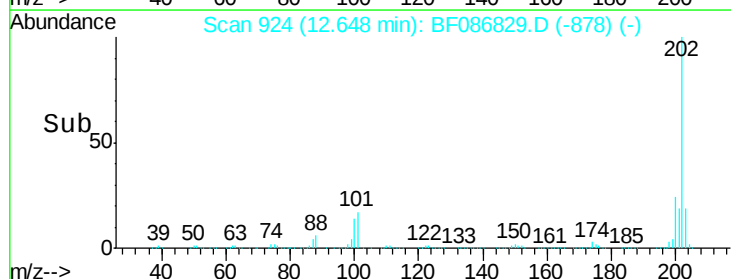
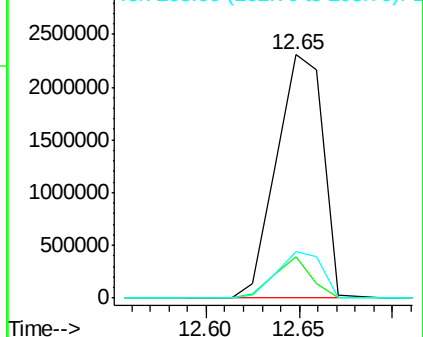
203 19.0 0.0 38.1

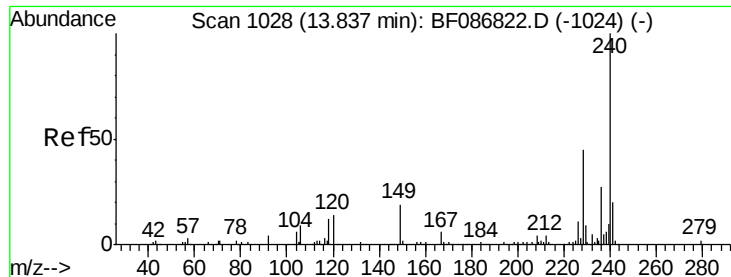


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

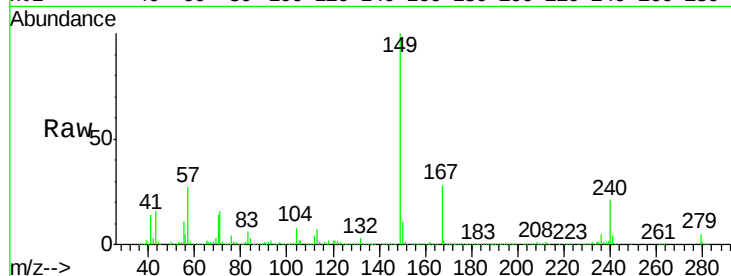
Tgt Ion:240 Resp: 414987

Ion Ratio Lower Upper

240 100

120 11.7 11.2 16.8

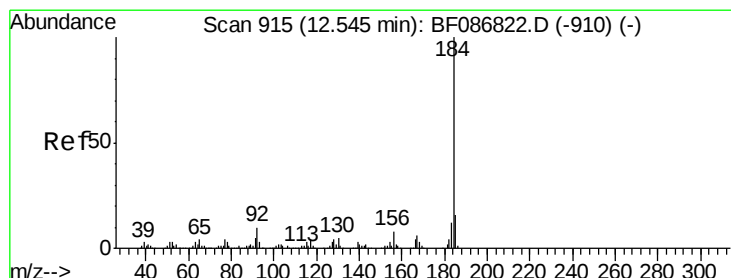
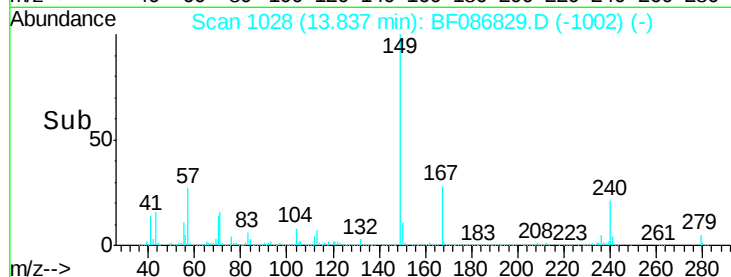
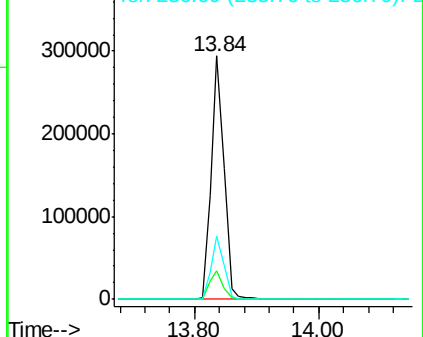
236 25.7 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.27 ng

RT: 12.78 min Scan# 936

Delta R.T. 0.24 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

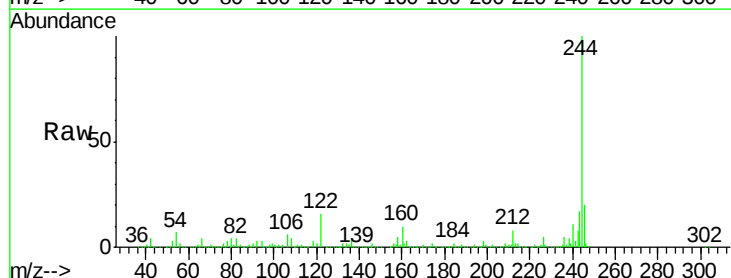
Tgt Ion:184 Resp: 23974

Ion Ratio Lower Upper

184 100

185 16.8 13.6 20.4

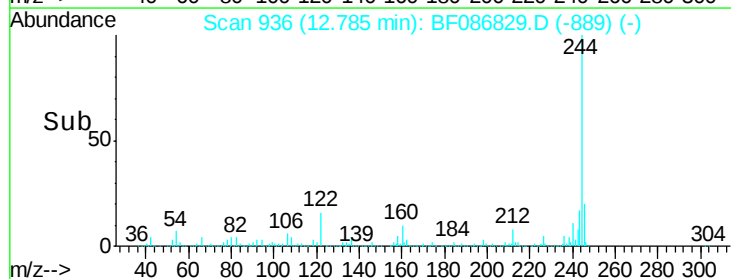
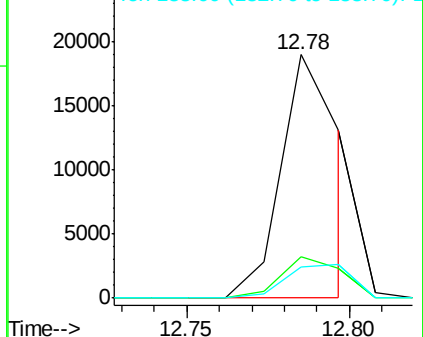
183 12.6 9.8 14.6

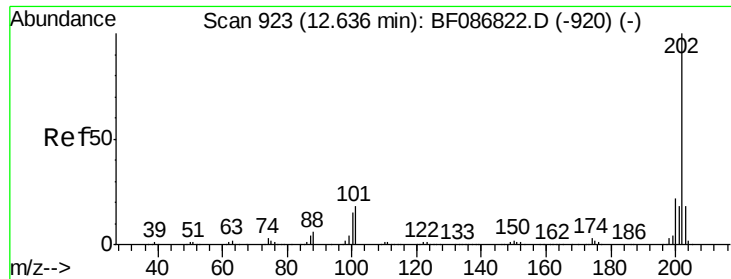


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

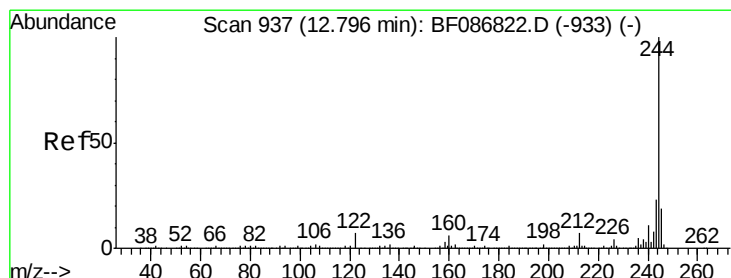
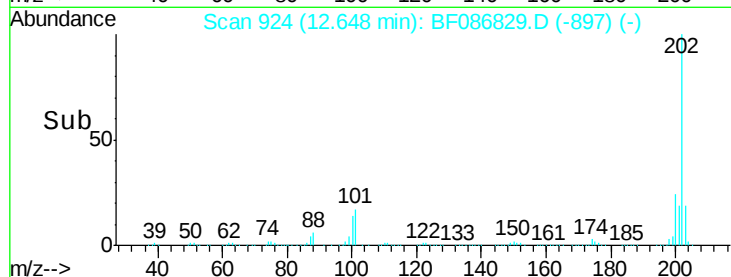
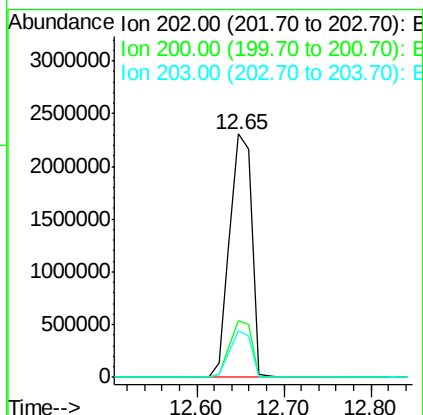
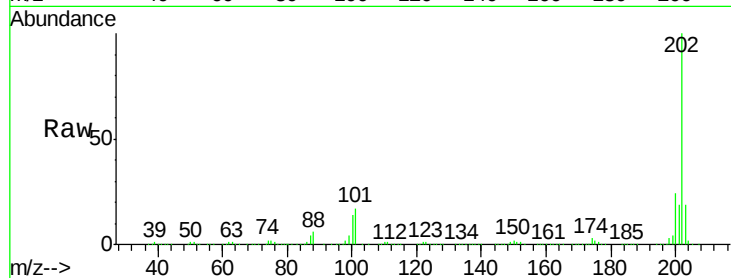




#77
 Pyrene
 Concen: 127.06 ng
 RT: 12.65 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

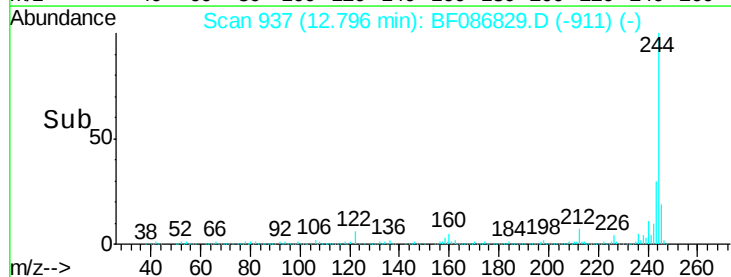
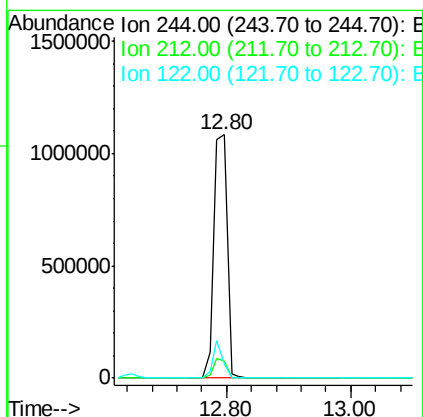
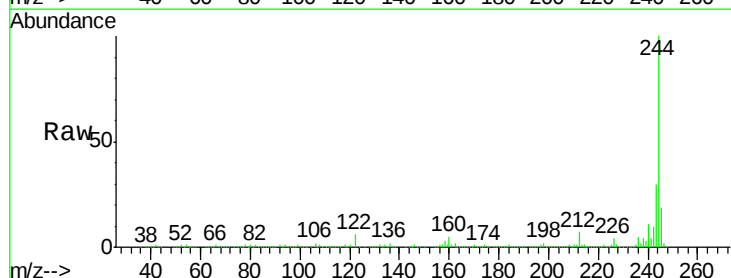
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

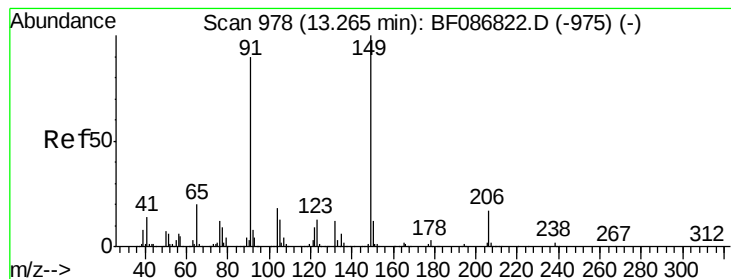
Tgt Ion:202 Resp: 4036878
 Ion Ratio Lower Upper
 202 100
 200 23.5 17.7 26.5
 203 19.0 14.2 21.4



#78
 Terphenyl-d14
 Concen: 80.98 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:244 Resp: 1583985
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.2
 122 5.8 12.0 18.0#





#79

Butylbenzylphthalate

Concen: 97.78 ng

RT: 13.28 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

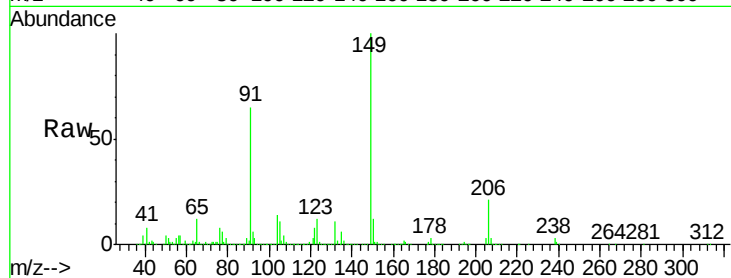
Tgt Ion:149 Resp: 1314016

Ion Ratio Lower Upper

149 100

91 65.1 48.0 72.0

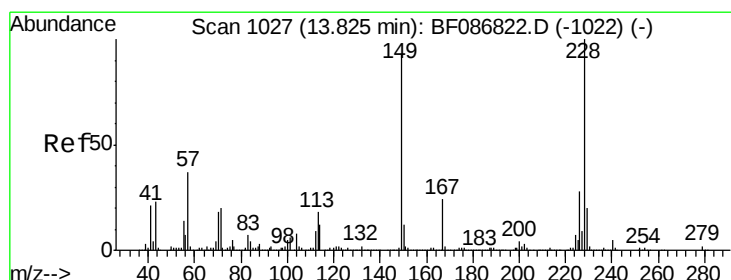
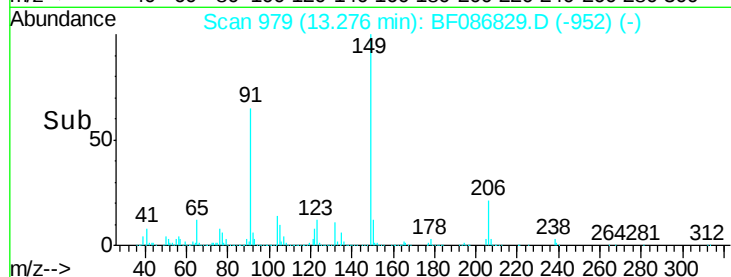
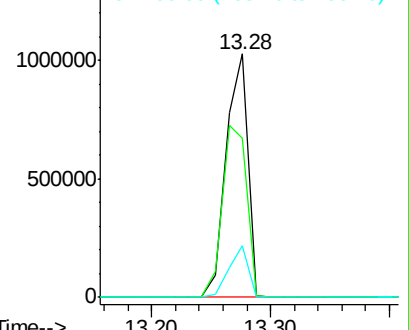
206 21.2 15.8 23.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 113.74 ng

RT: 13.87 min Scan# 1031

Delta R.T. 0.05 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

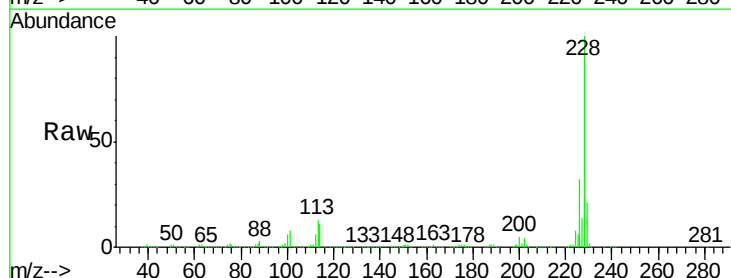
Tgt Ion:228 Resp: 2649839

Ion Ratio Lower Upper

228 100

226 32.2 22.5 33.7

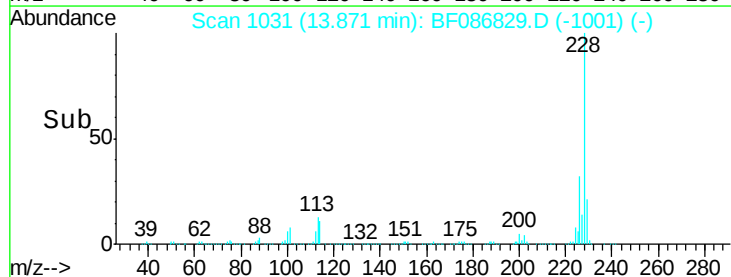
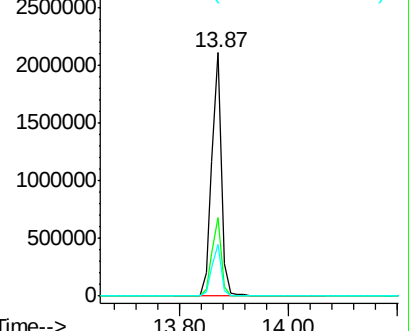
229 20.9 16.6 25.0

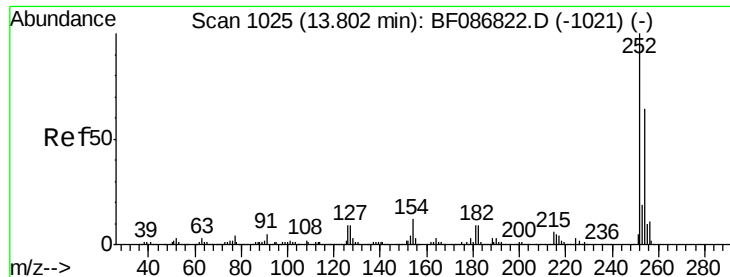


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

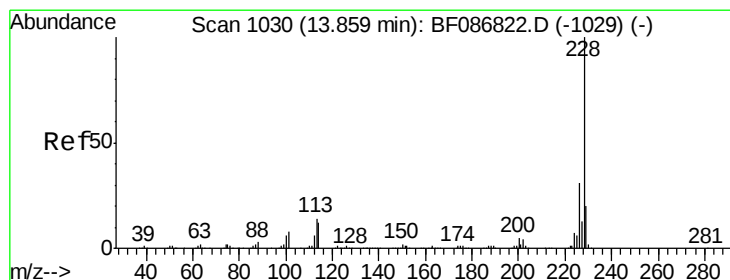
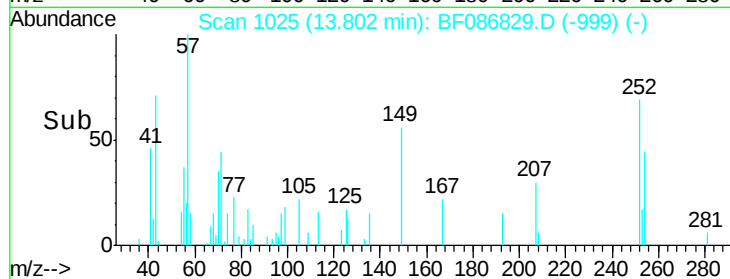
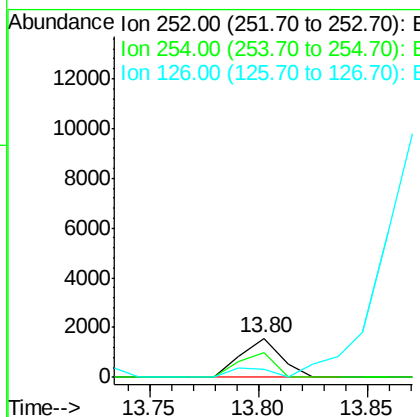
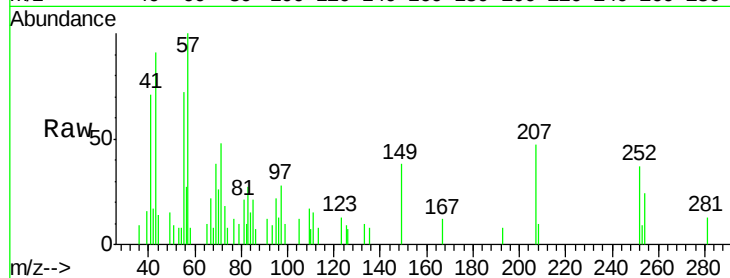




#81
 3,3'-Dichlorobenzidine
 Concen: 0.14 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

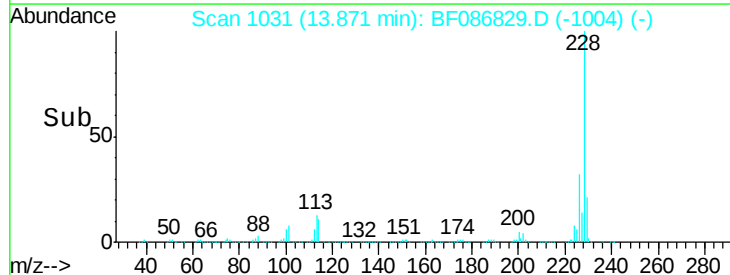
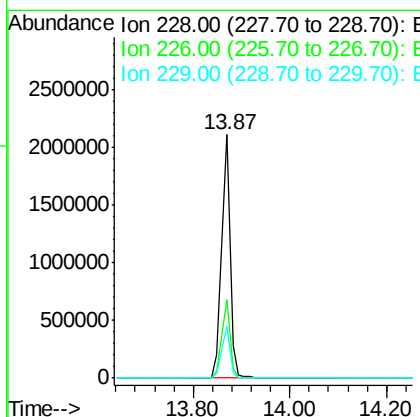
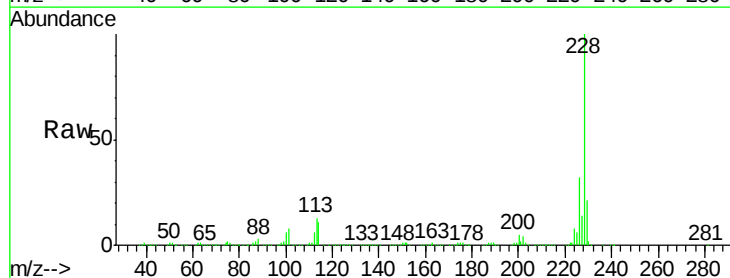
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

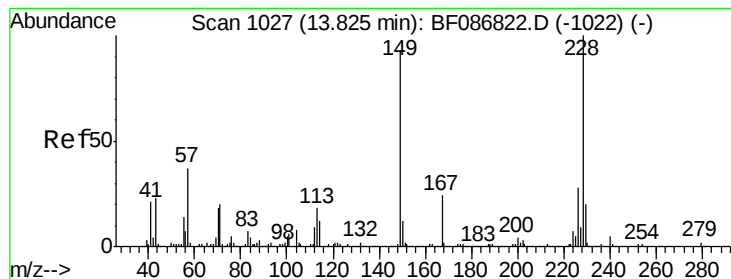
Tgt Ion: 252 Resp: 2033
 Ion Ratio Lower Upper
 252 100
 254 64.1 50.7 76.1
 126 19.1 12.7 19.1#



#82
 Chrysene
 Concen: 111.94 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion: 228 Resp: 2652645
 Ion Ratio Lower Upper
 228 100
 226 32.2 24.4 36.6
 229 20.9 15.8 23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 119.01 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

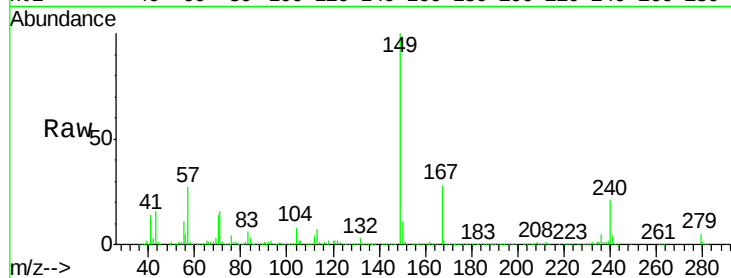
Tgt Ion:149 Resp: 1923834

Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.6

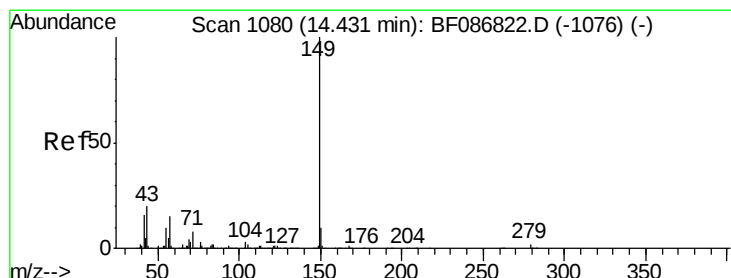
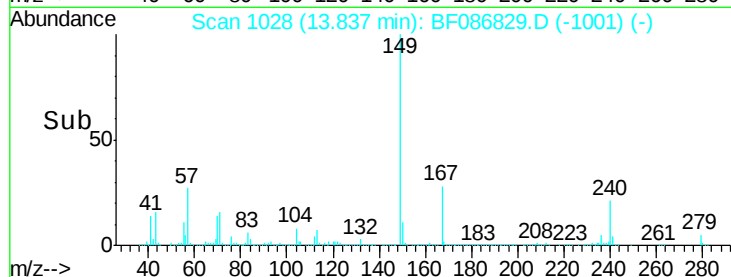
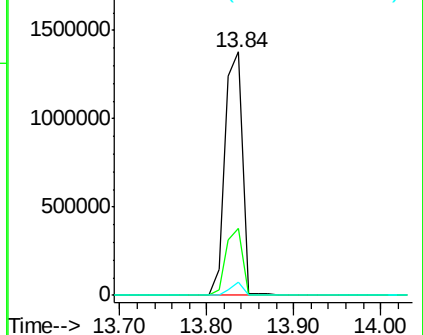
279 5.2 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 108.31 ng

RT: 14.44 min Scan# 1081

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

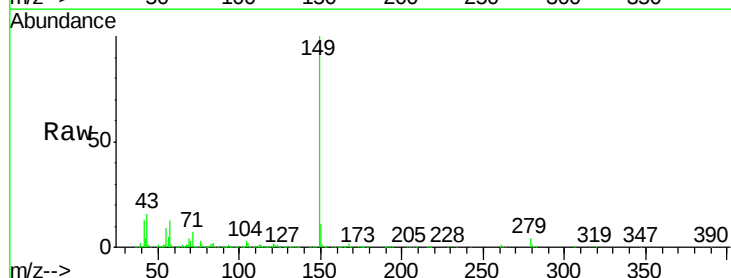
Tgt Ion:149 Resp: 2900219

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

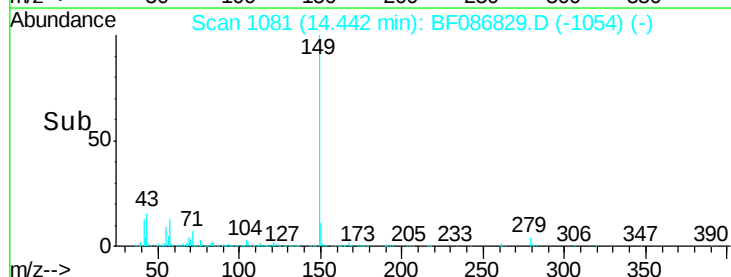
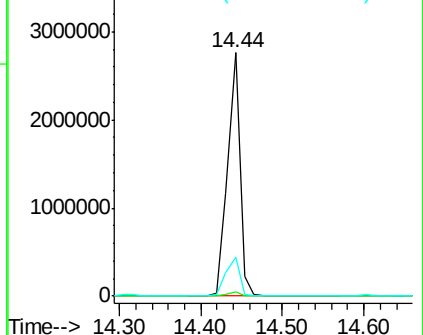
43 17.6 8.2 12.4#

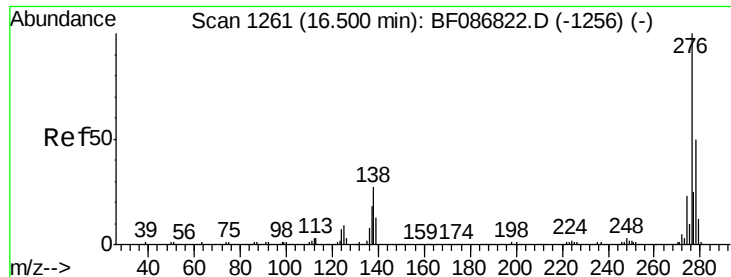


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

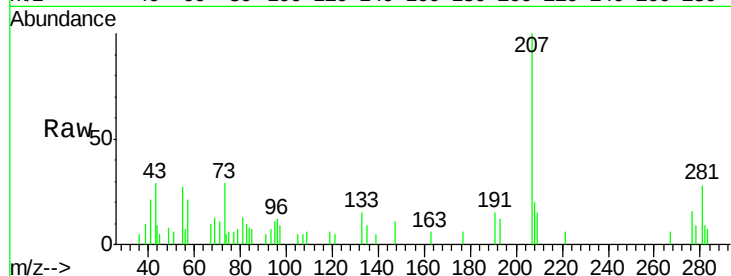




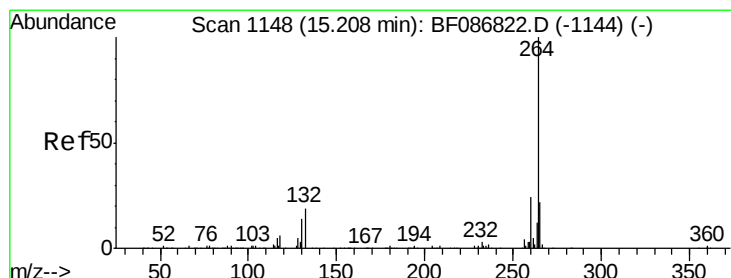
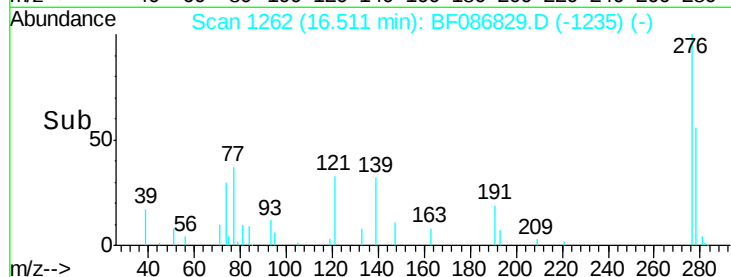
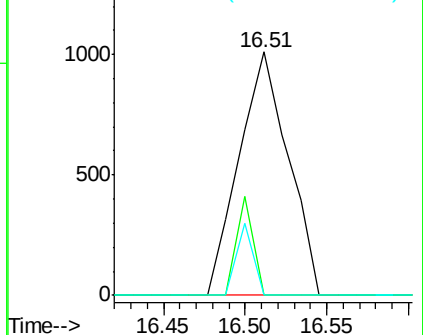
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.11 ng
 RT: 16.51 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion: 276 Resp: 2109
 Ion Ratio Lower Upper
 276 100
 138 13.4 25.6 38.4#
 277 9.8 20.5 30.7#

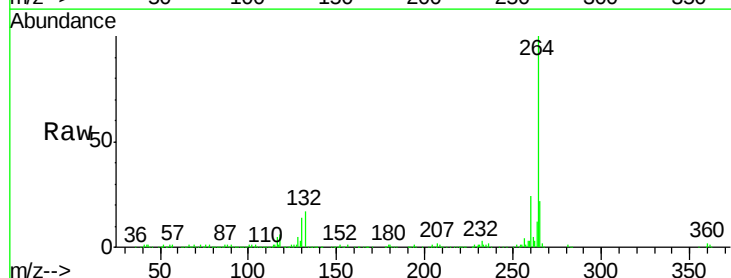


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

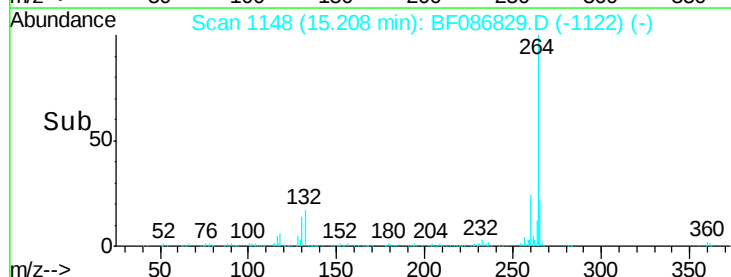
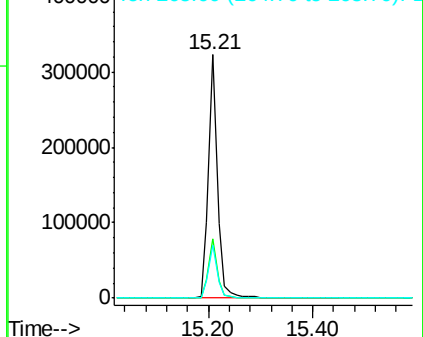


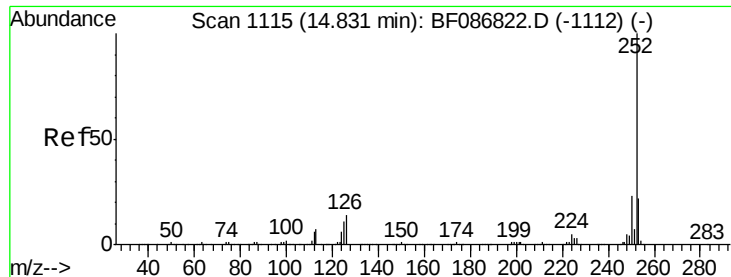
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.21 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion: 264 Resp: 387552
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 21.9 17.3 25.9



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

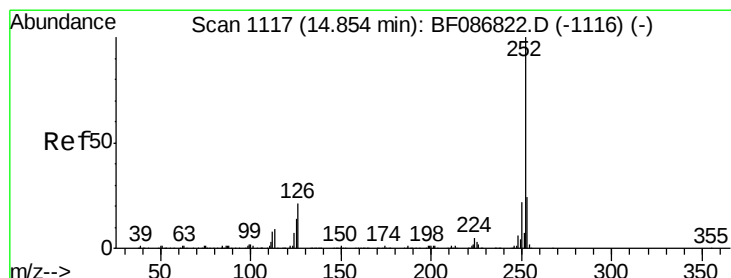
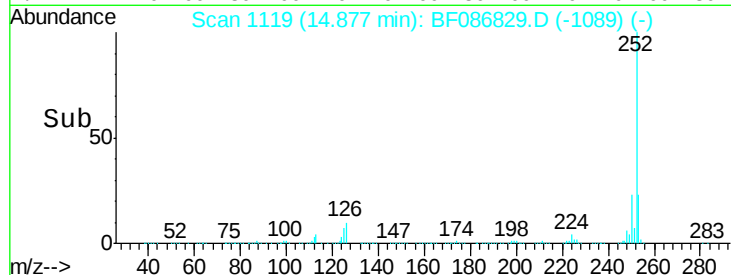
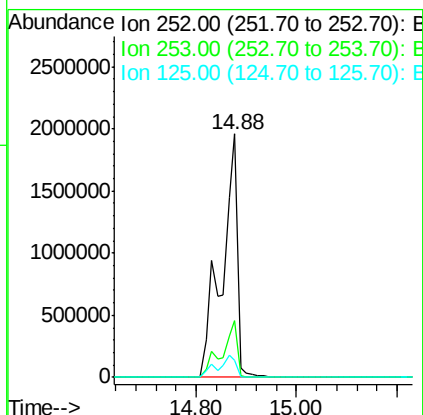
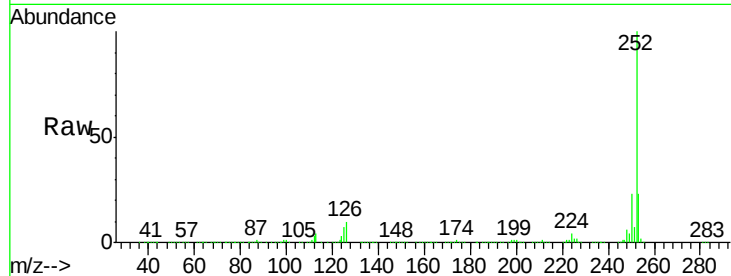




#87
Benzo(b)fluoranthene
Concen: 168.26 ng
RT: 14.88 min Scan# 1119
Delta R.T. 0.05 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

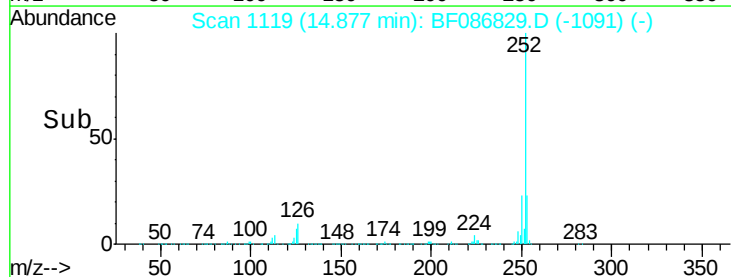
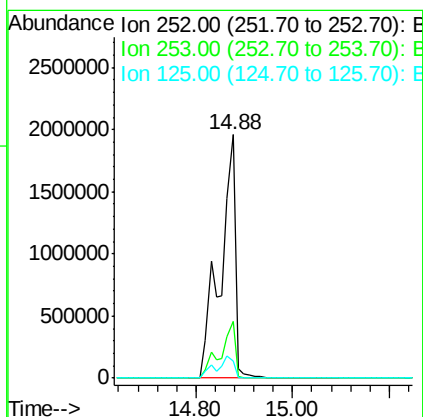
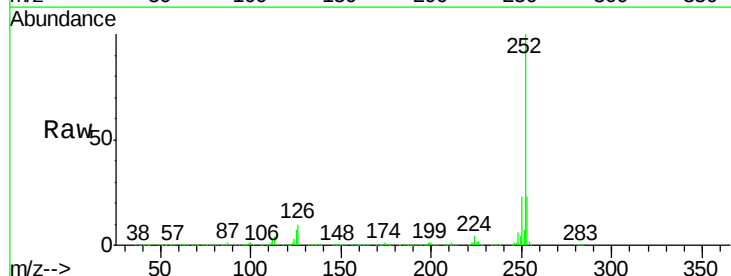
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

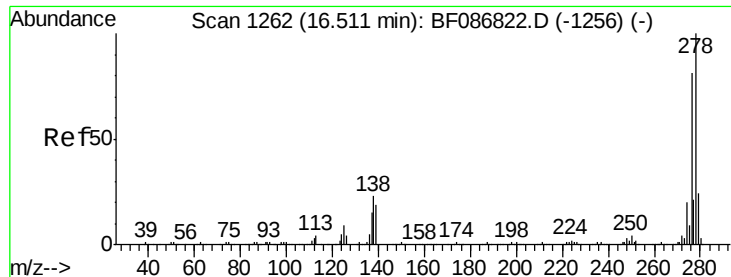
Tgt Ion:252 Resp: 4238071
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 6.9 11.4 17.0#



#88
Benzo(k)fluoranthene
Concen: 205.56 ng
RT: 14.88 min Scan# 1119
Delta R.T. 0.02 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:252 Resp: 4239327
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 6.9 9.1 13.7#

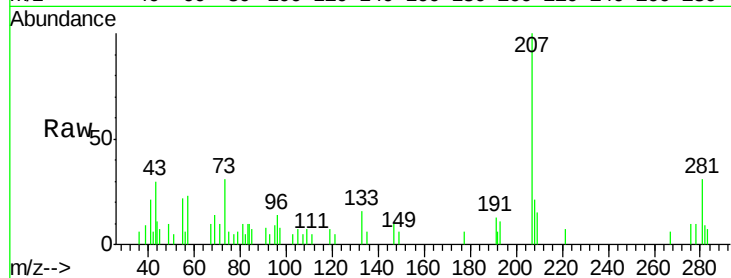




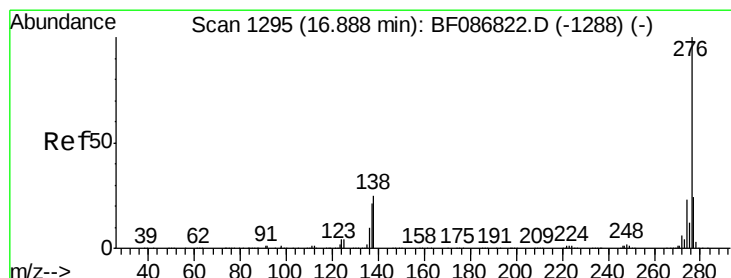
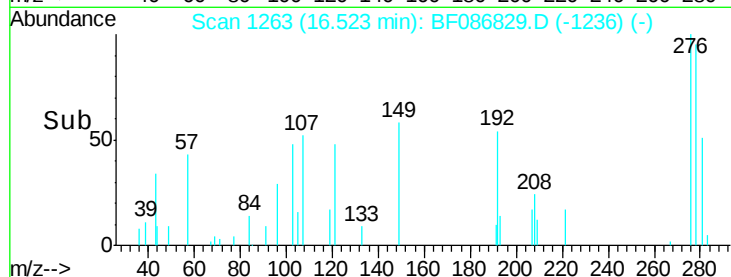
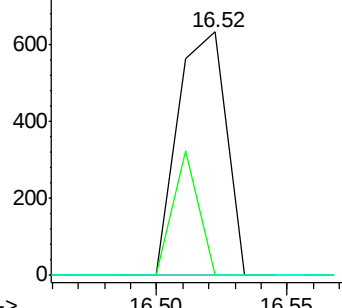
#90
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 16.52 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tgt Ion: 278 Resp: 823
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 0.0 19.6 29.4#

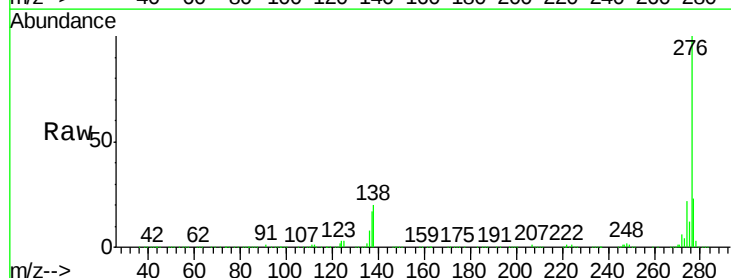


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 63.45 ng
RT: 16.90 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion: 276 Resp: 1180405
Ion Ratio Lower Upper
276 100
277 23.1 19.6 29.4
138 20.4 23.6 35.4#



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

