

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012819\
 Data File : BF112280.D
 Acq On : 28 Jan 2019 17:48
 Operator : JU/SJ
 Sample : K1254-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Jan 29 00:06:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

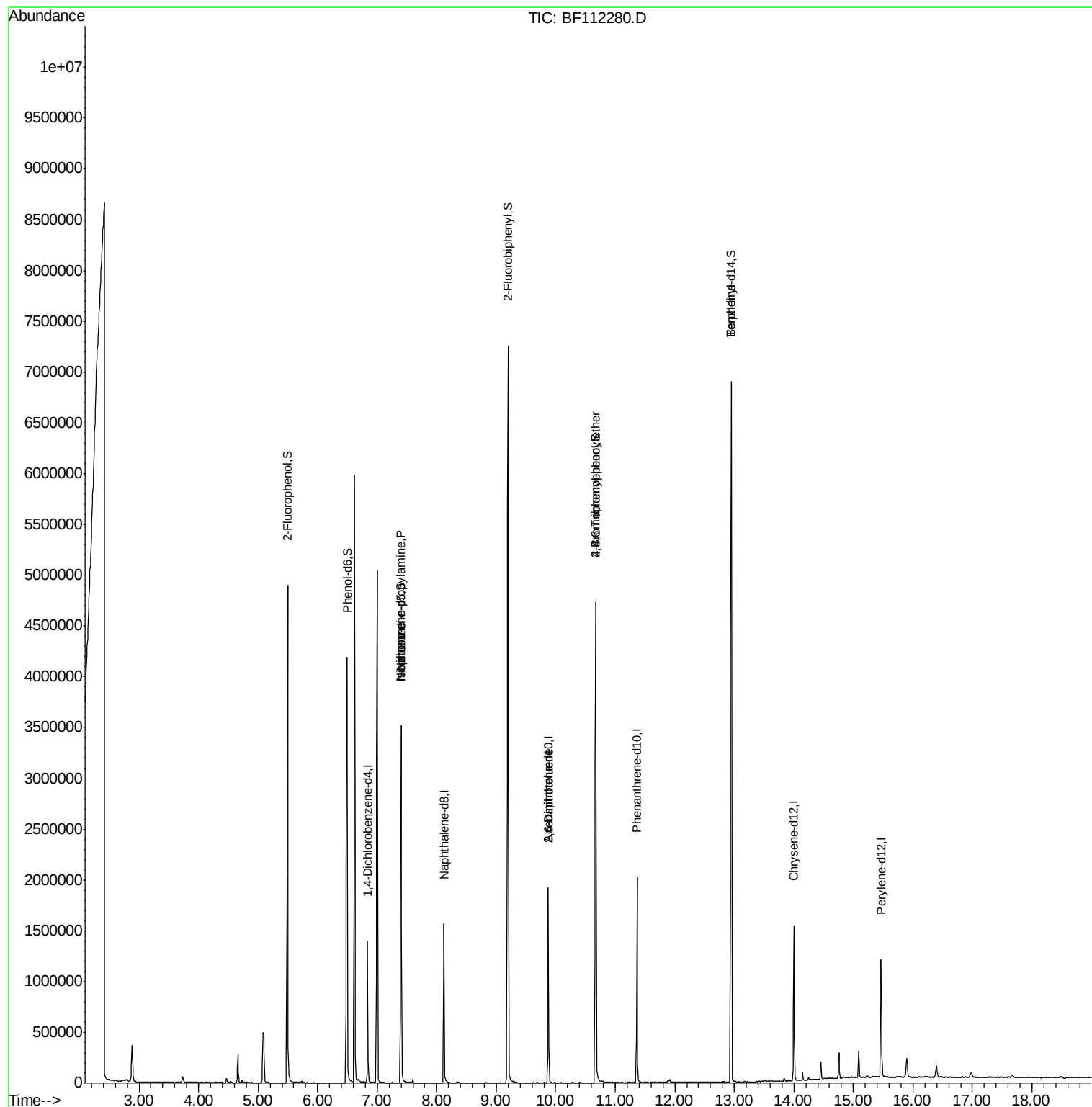
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	203783	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	792448	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	401062	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	778644	20.00	ng	0.00
76) Chrysene-d12	14.00	240	563563	20.00	ng	-0.01
87) Perylene-d12	15.46	264	445483	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1397546	145.67	ng	0.01
7) Phenol-d6	6.49	99	1578172	118.38	ng	0.00
23) Nitrobenzene-d5	7.40	82	1273092	92.57	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	671158	143.77	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2545727	89.77	ng	0.00
79) Terphenyl-d14	12.95	244	2681917	89.63	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	175003	19.037	ng	# 76
25) Isophorone	7.40	82	1262697	58.524	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	51011	7.309	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	51011	5.742	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	41781	4.562	ng	# 1
77) Benzidine	12.95	184	37489	2.417	ng	# 95

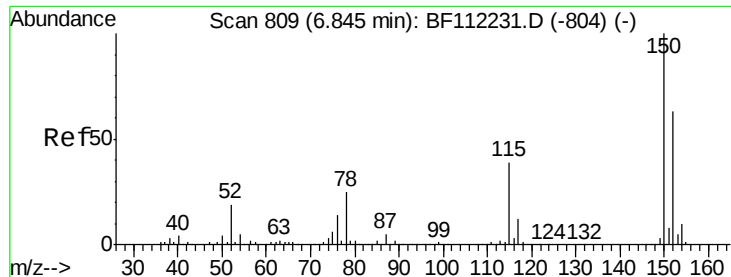
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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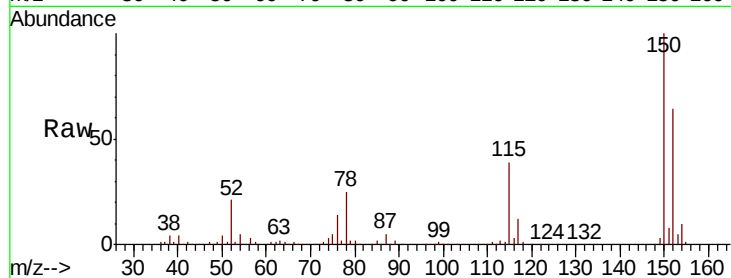


#1

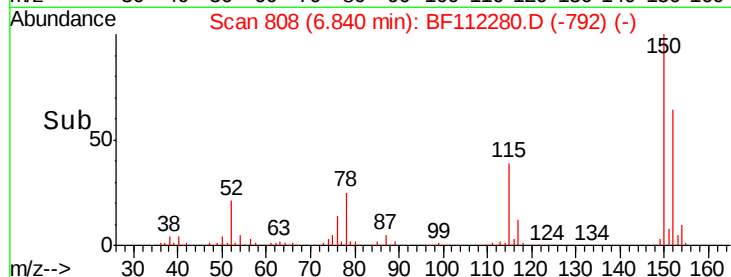
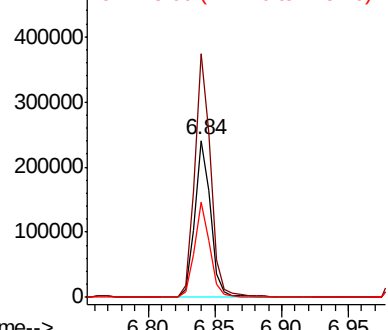
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112280.D
Acq: 28 Jan 2019 17:48

Instrument :
BNA_F
ClientSampled :
SOIL-1

Tgt Ion:152 Resp: 203783
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.0
115 60.9 45.5 68.3



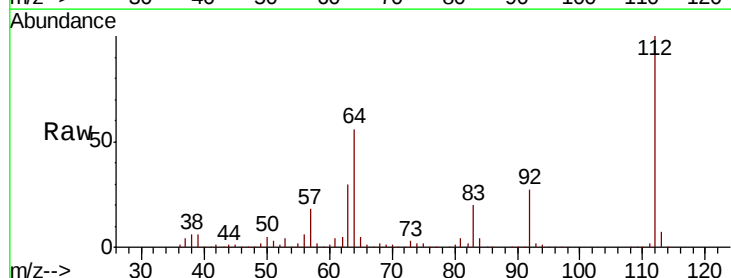
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



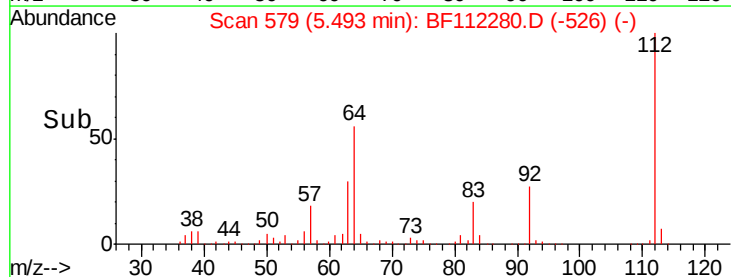
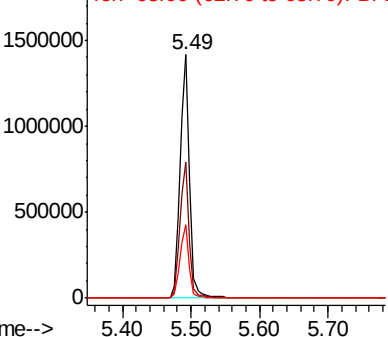
#5

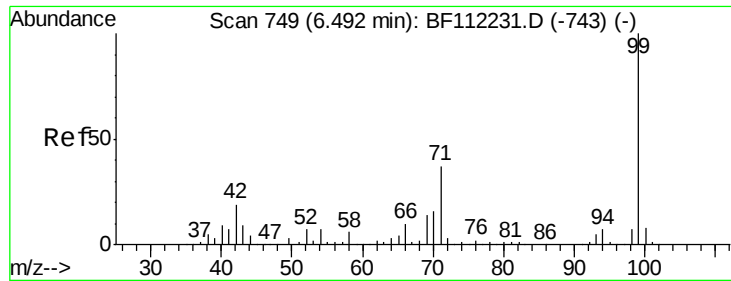
2-Fluorophenol
Concen: 145.669 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF112280.D
Acq: 28 Jan 2019 17:48

Tgt Ion:112 Resp: 1397546
Ion Ratio Lower Upper
112 100
64 55.8 45.7 68.5
63 30.2 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.380 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

Instrument :

BNA_F

ClientSampleId :

SOIL-1

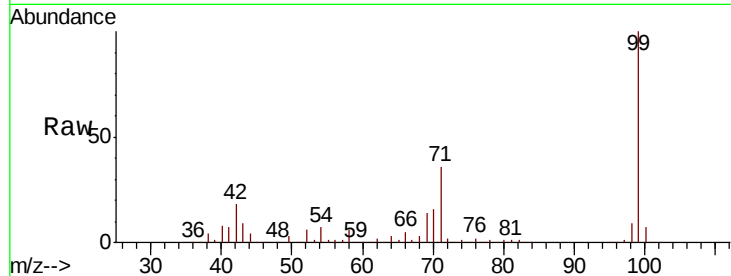
Tgt Ion: 99 Resp: 1578172

Ion Ratio Lower Upper

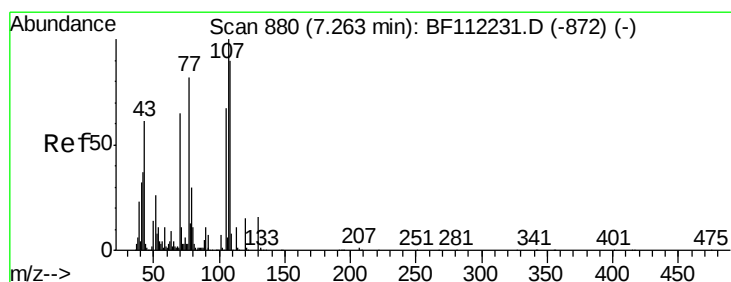
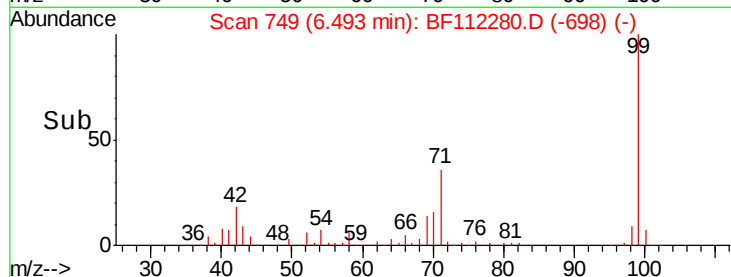
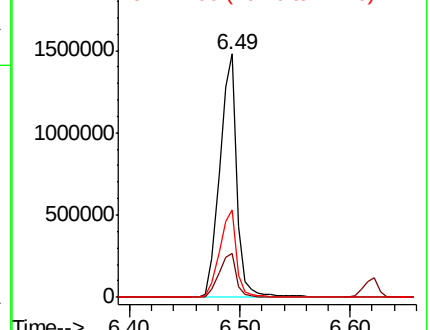
99 100

42 18.3 15.1 22.7

71 36.0 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 19.037 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

Tgt Ion: 70 Resp: 175003

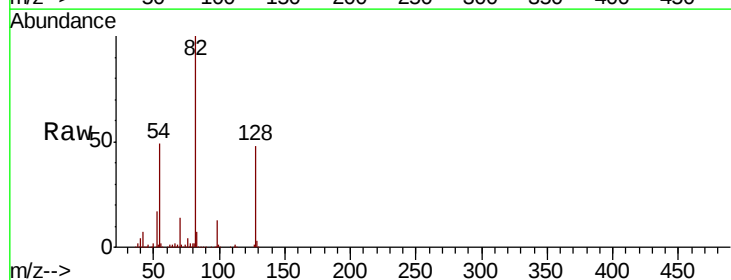
Ion Ratio Lower Upper

70 100

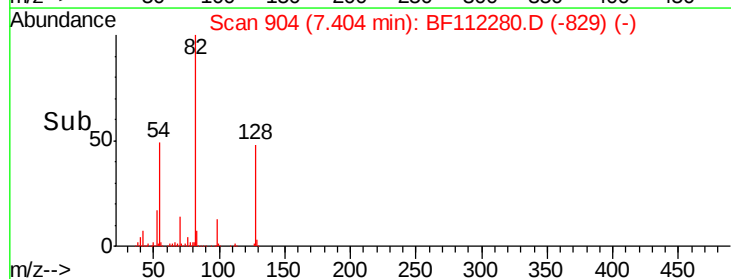
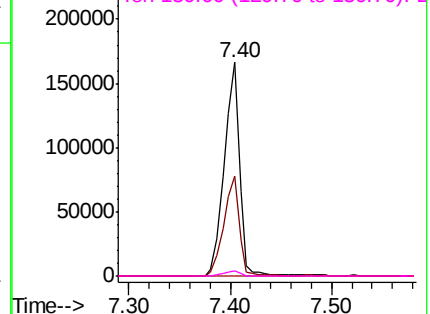
42 46.9 47.6 71.4#

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

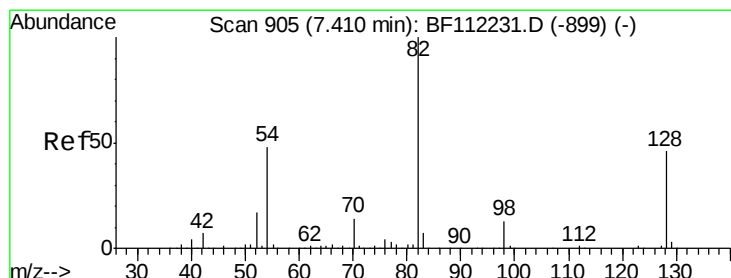
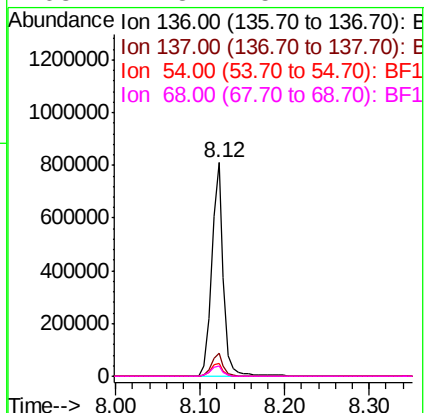
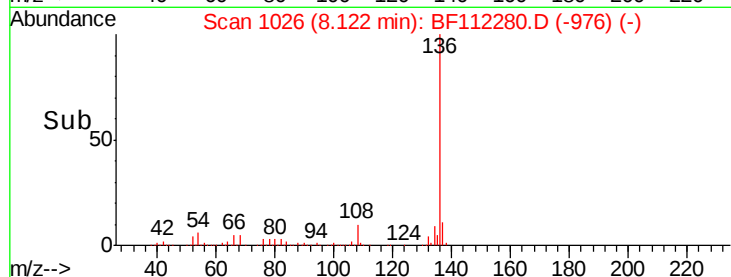
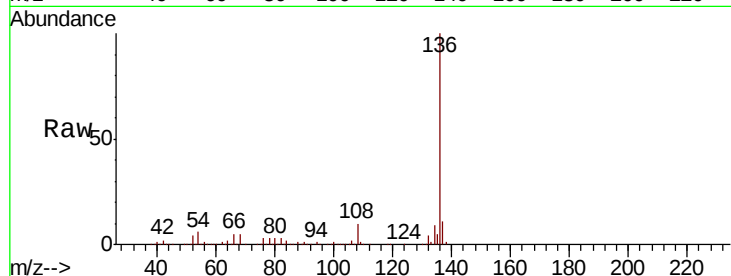




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112280.D
Acq: 28 Jan 2019 17:48

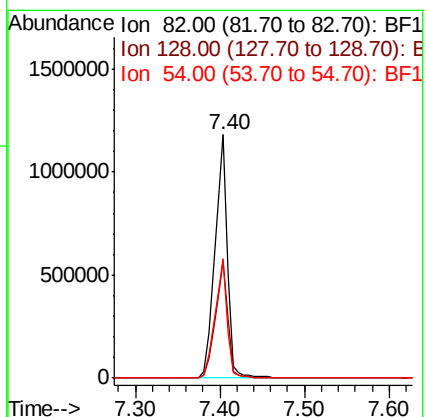
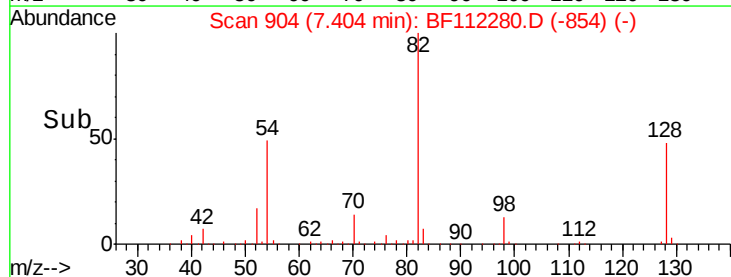
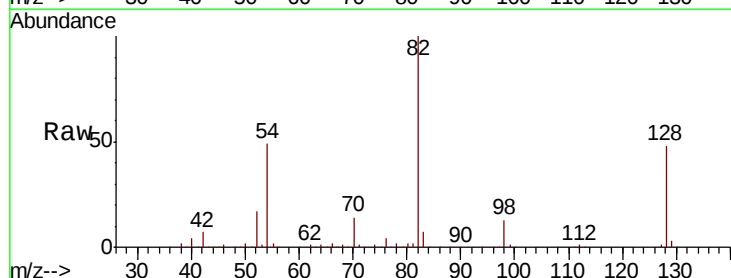
Instrument :
BNA_F
ClientSampleId :
SOIL-1

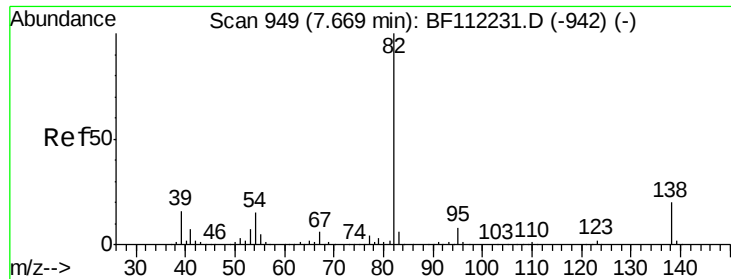
Tgt Ion:	136	Resp:	792448
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.1	5.9	8.9
68	4.8	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 92.568 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112280.D
Acq: 28 Jan 2019 17:48

Tgt Ion:	82	Resp:	1273092
Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.8	56.8
54	49.2	39.7	59.5





#25

Isophorone

Concen: 58.524 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

Instrument :

BNA_F

ClientSampleId :

SOIL-1

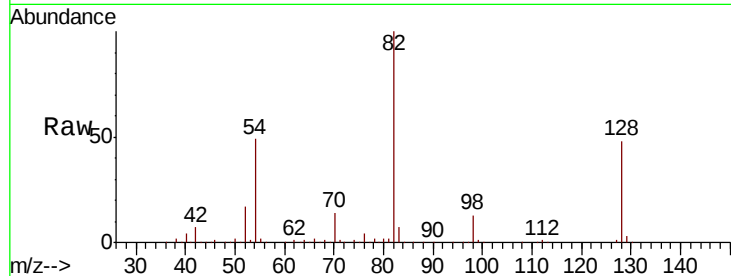
Tgt Ion: 82 Resp: 1262697

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

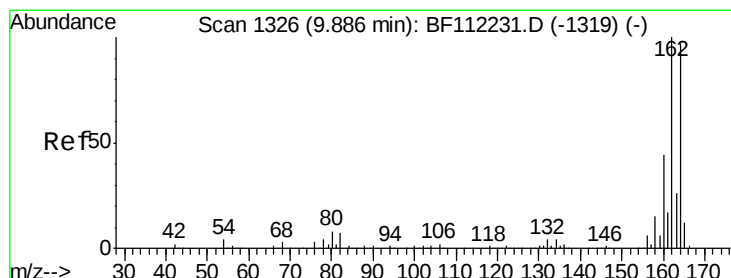
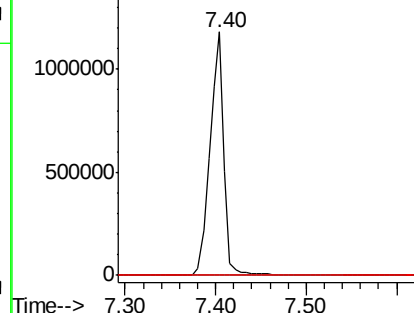
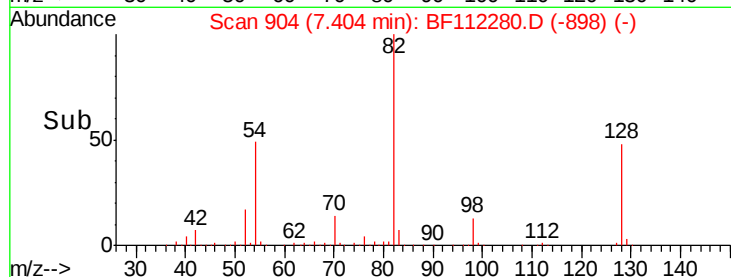
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

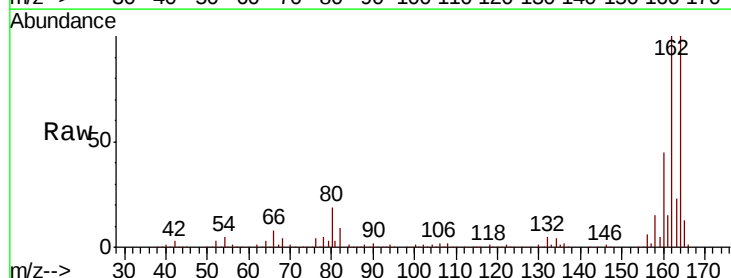
Tgt Ion: 164 Resp: 401062

Ion Ratio Lower Upper

164 100

162 100.5 82.2 123.4

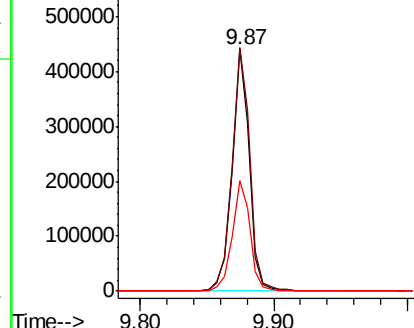
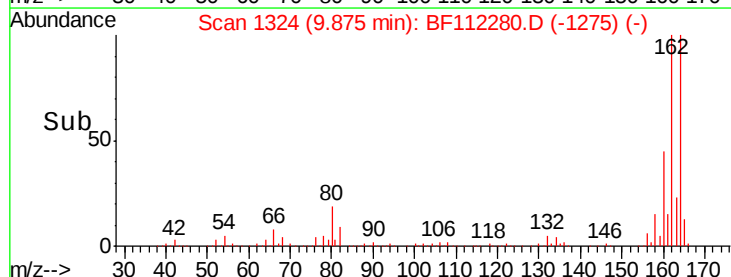
160 45.4 36.2 54.4

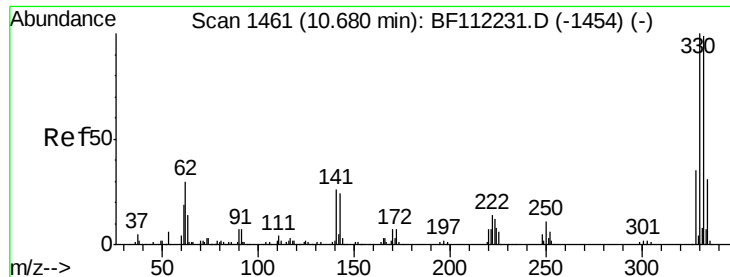


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 143.771 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

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ClientSampleId :

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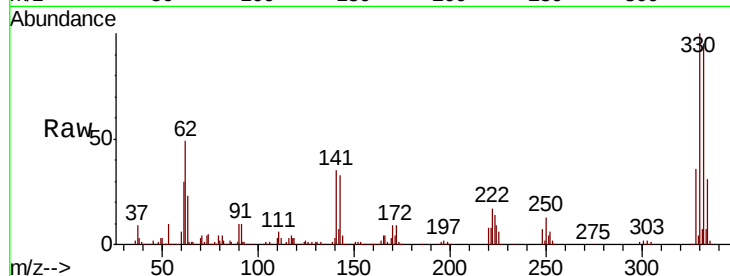
Tgt Ion:330 Resp: 671158

Ion Ratio Lower Upper

330 100

332 94.7 76.6 114.8

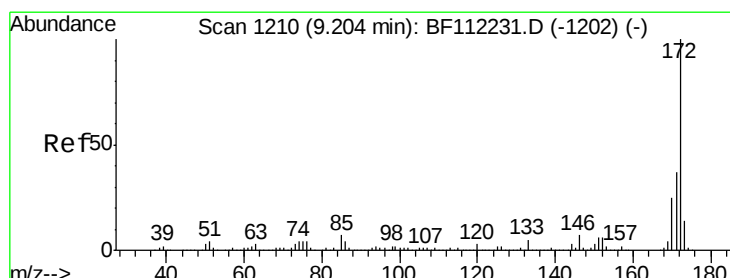
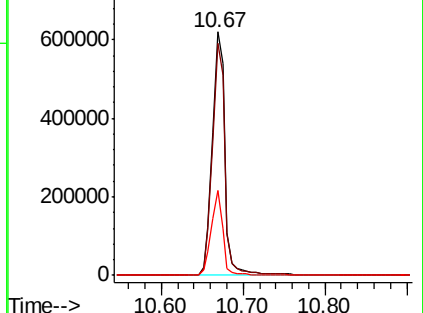
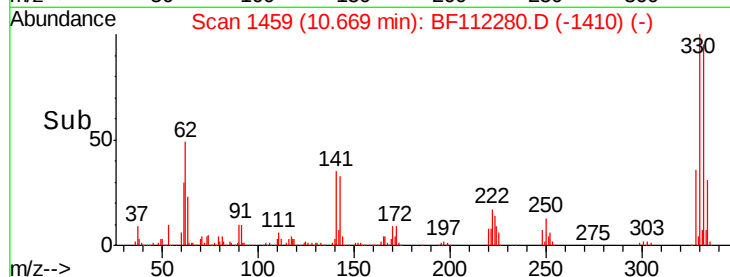
141 31.9 24.3 36.5



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



#45

2-Fluorobiphenyl

Concen: 89.775 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

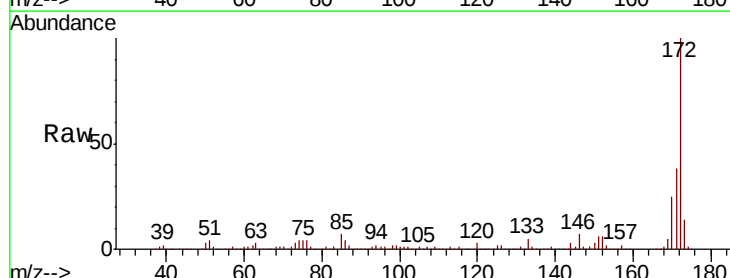
Tgt Ion:172 Resp: 2545727

Ion Ratio Lower Upper

172 100

171 38.5 30.5 45.7

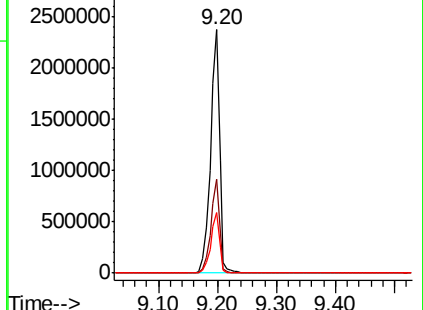
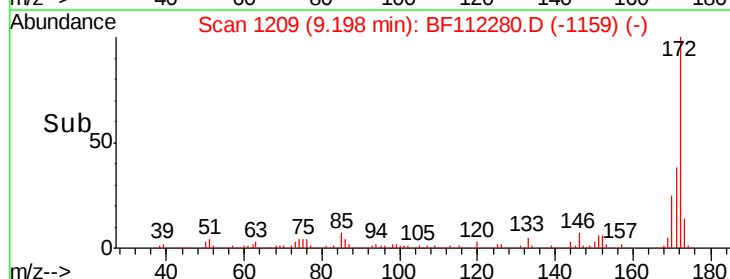
170 25.0 20.2 30.4

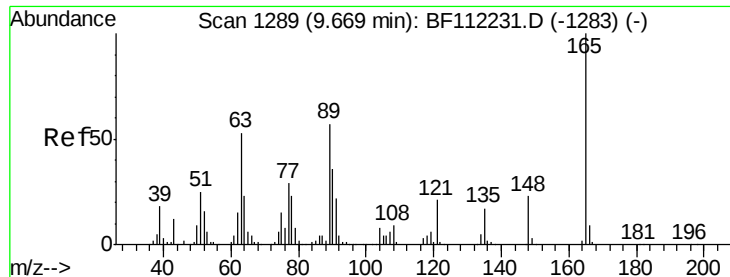


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.309 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

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SOIL-1

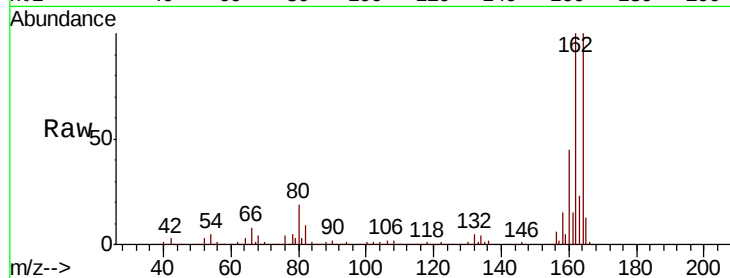
Tgt Ion:165 Resp: 51011

Ion Ratio Lower Upper

165 100

63 0.9 33.8 50.8#

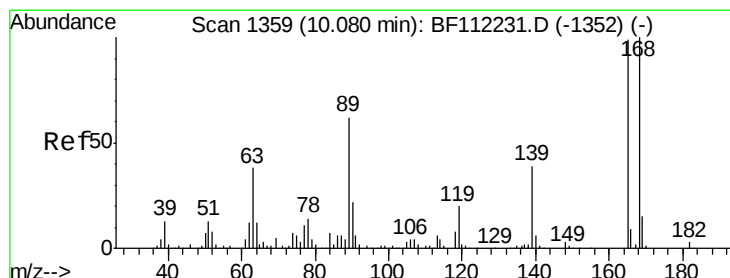
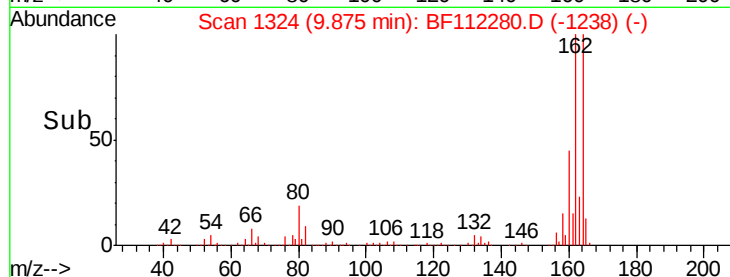
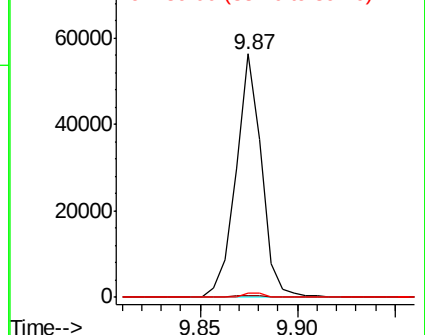
89 1.6 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 5.742 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

Tgt Ion:165 Resp: 51011

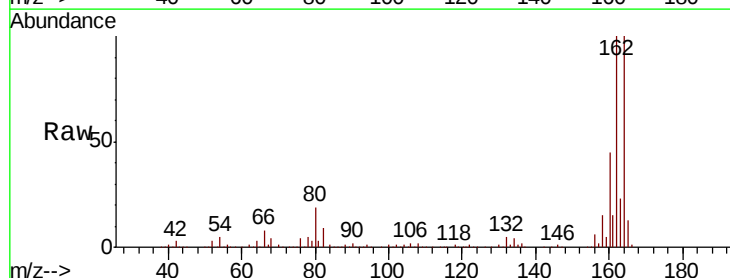
Ion Ratio Lower Upper

165 100

63 0.9 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

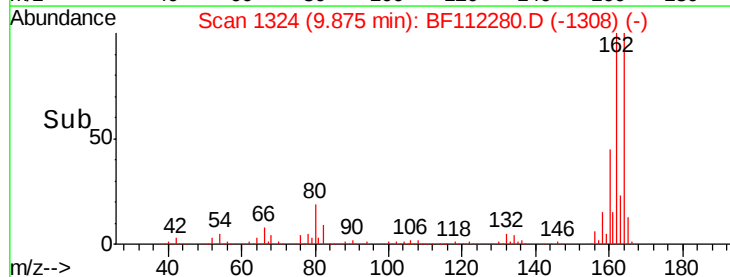
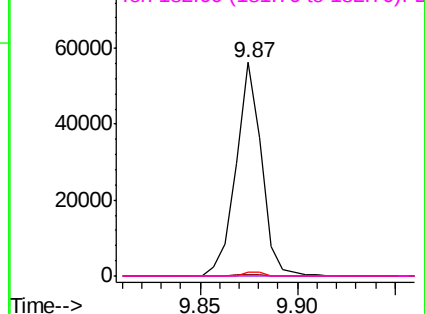


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

Instrument :

BNA_F

ClientSampled :

SOIL-1

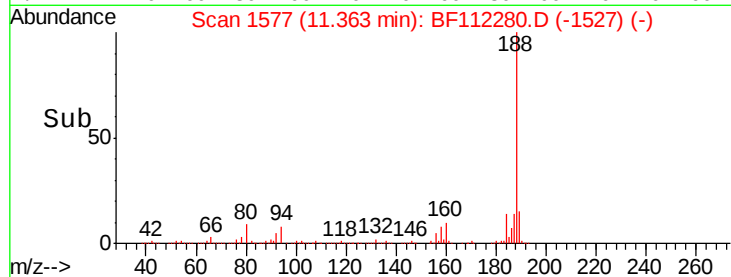
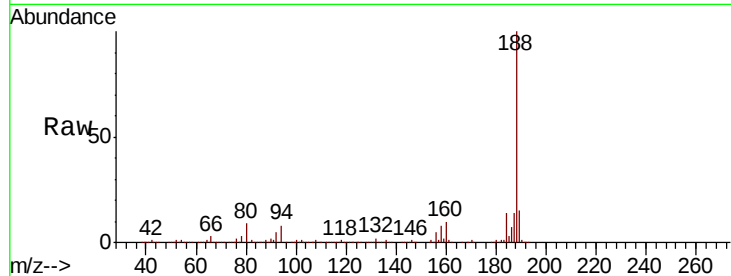
Tgt Ion:188 Resp: 778644

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

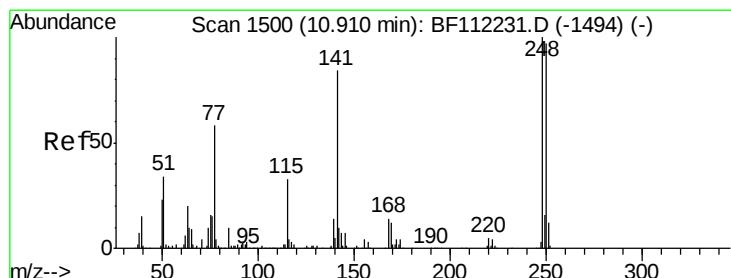
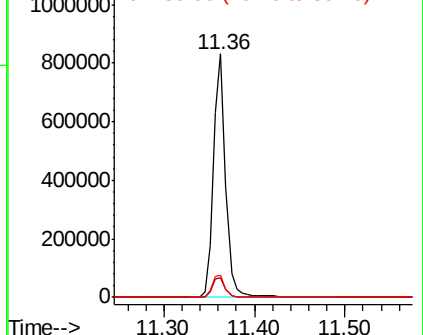
80 9.0 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.562 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.24 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

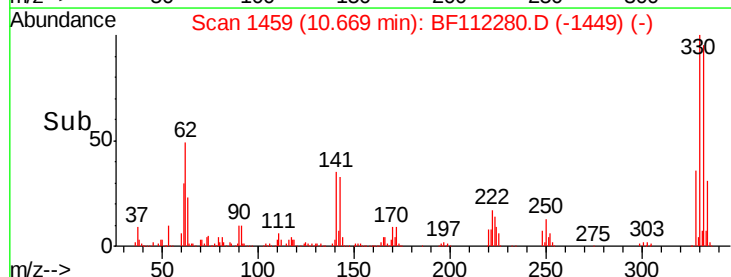
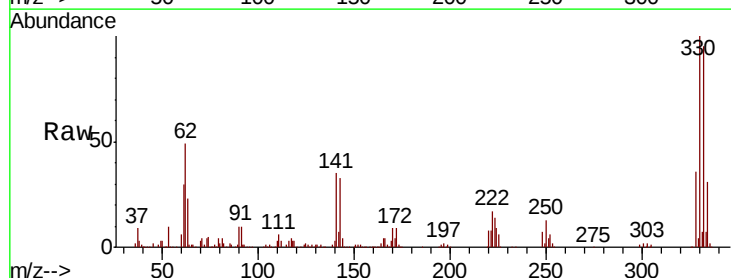
Tgt Ion:248 Resp: 41781

Ion Ratio Lower Upper

248 100

250 191.1 79.7 119.5#

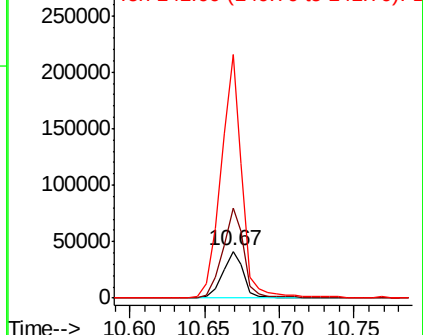
141 519.8 60.3 90.5#

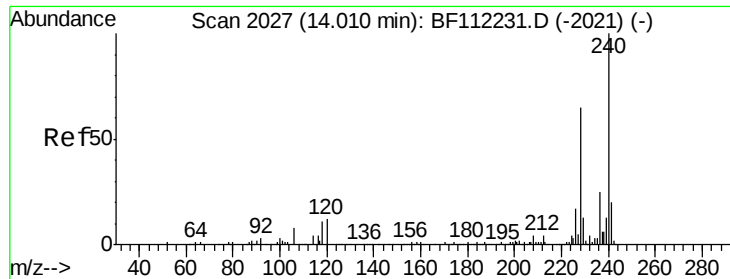


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

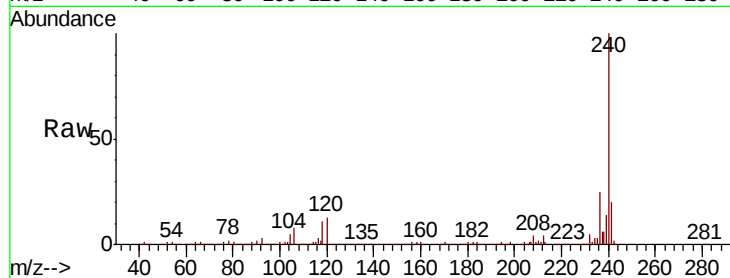




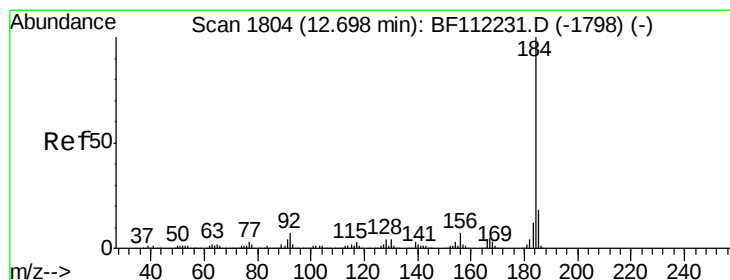
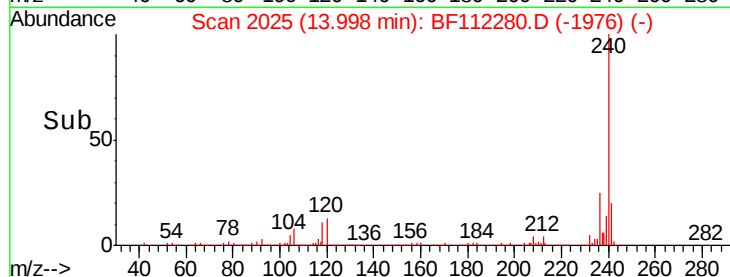
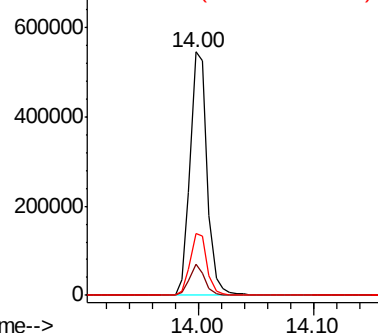
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112280.D
Acq: 28 Jan 2019 17:48

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:240 Resp: 563563
Ion Ratio Lower Upper
240 100
120 12.6 9.0 13.6
236 25.2 20.7 31.1

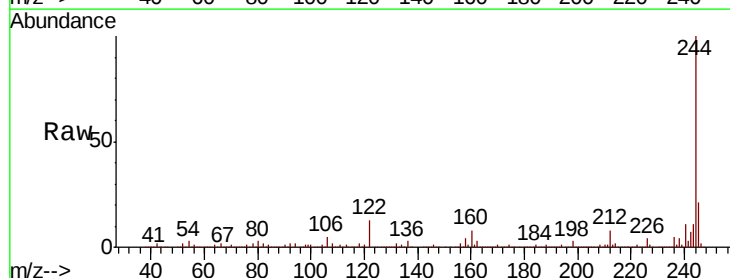


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

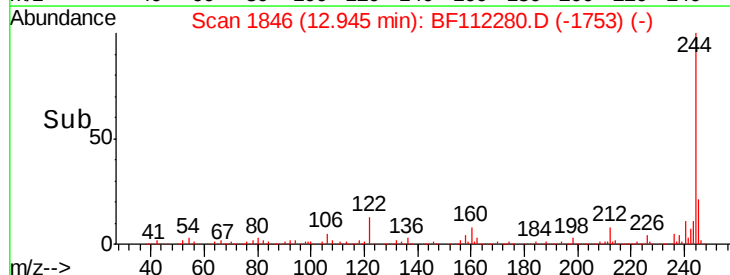
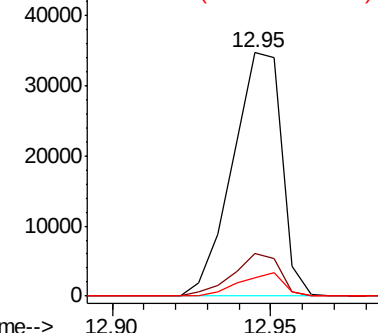


#77
Benzidine
Concen: 2.417 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.25 min
Lab File: BF112280.D
Acq: 28 Jan 2019 17:48

Tgt Ion:184 Resp: 37489
Ion Ratio Lower Upper
184 100
185 17.5 13.9 20.9
183 7.5 10.0 15.0#



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





#79

Terphenyl-d14

Concen: 89.631 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

Instrument :

BNA_F

ClientSampleId :

SOIL-1

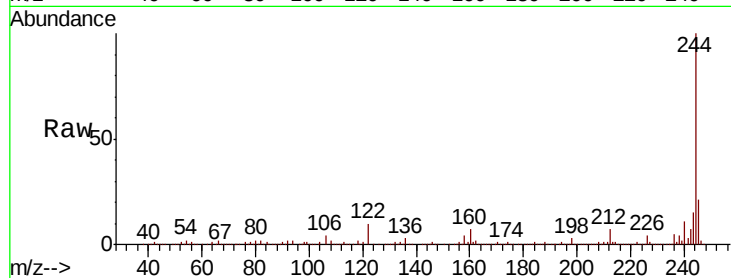
Tgt Ion:244 Resp: 2681917

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

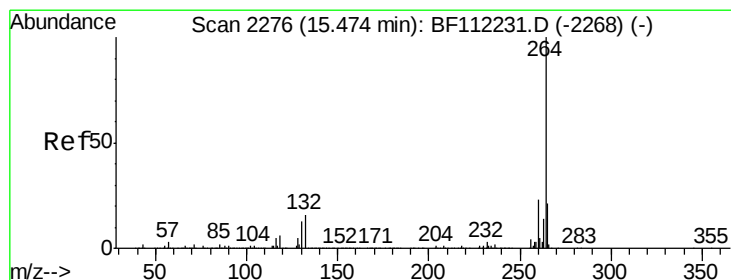
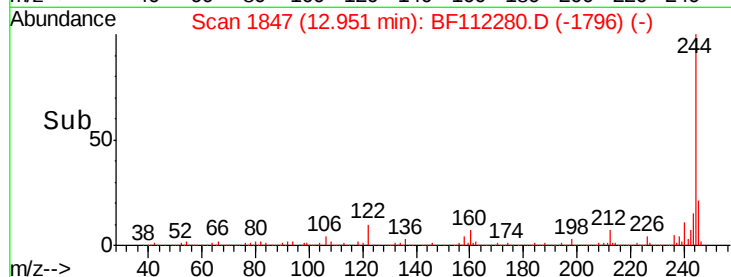
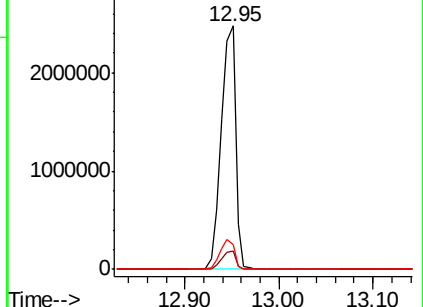
122 10.4 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF112280.D

Acq: 28 Jan 2019 17:48

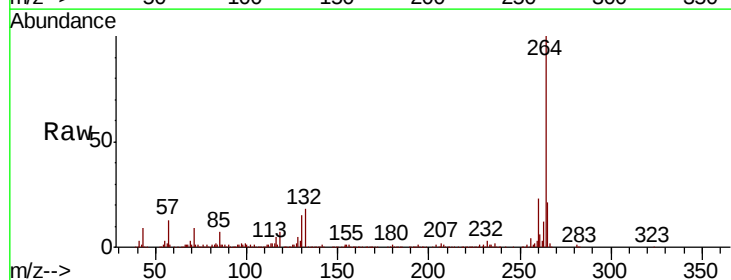
Tgt Ion:264 Resp: 445483

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 21.5 17.0 25.4



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

