

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012819\
 Data File : BF112281.D
 Acq On : 28 Jan 2019 18:15
 Operator : JU/SJ
 Sample : K1254-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Jan 29 00:06:52 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

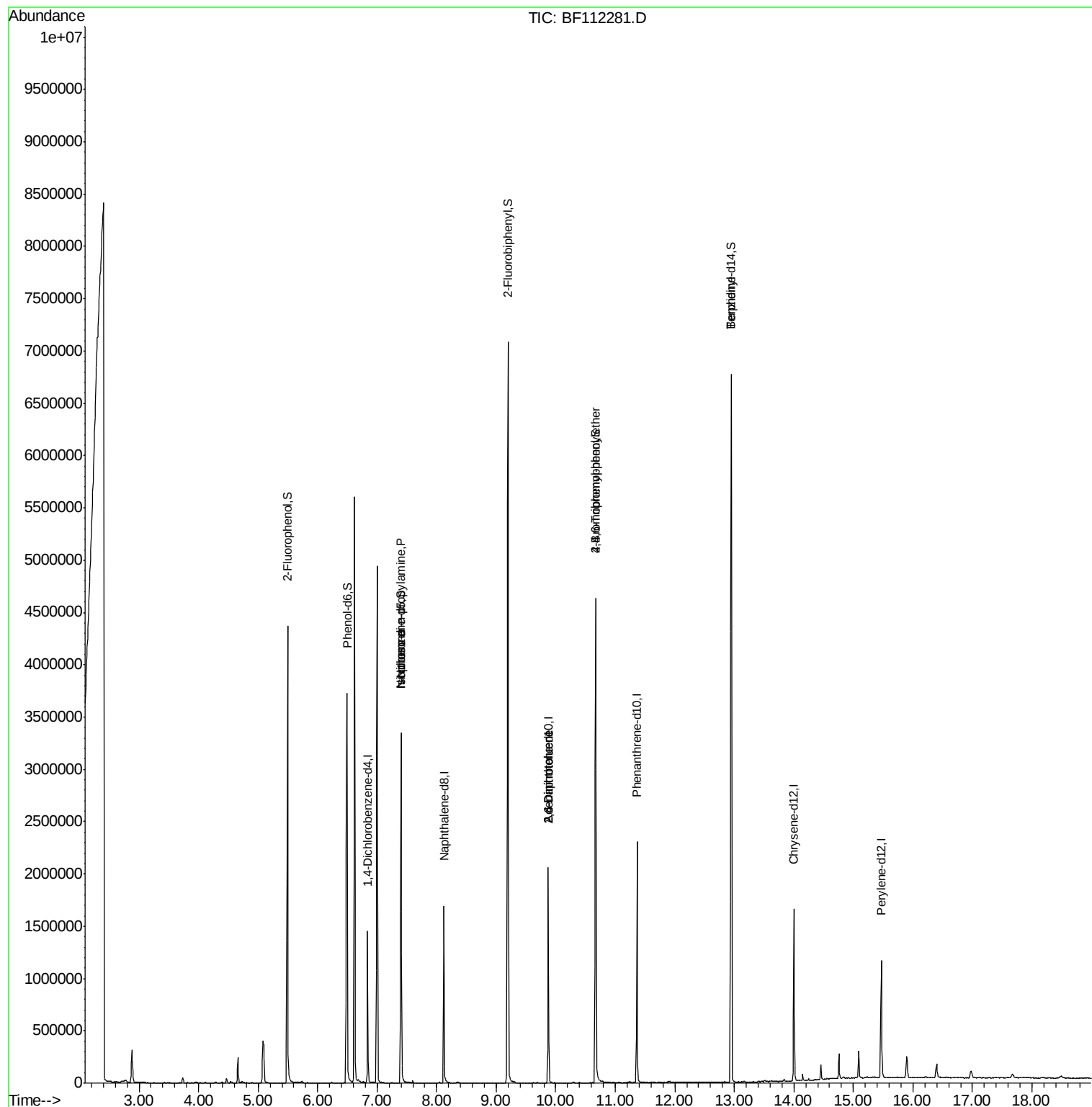
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	214425	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	837370	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	427101	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	848073	20.00	ng	0.00
76) Chrysene-d12	14.00	240	611175	20.00	ng	0.00
87) Perylene-d12	15.47	264	464433	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1311189	129.88	ng	0.01
7) Phenol-d6	6.49	99	1489812	106.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	1214641	83.58	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	639910	128.72	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	2455918	81.33	ng	0.00
79) Terphenyl-d14	12.95	244	2637100	81.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	166581	17.222	ng	# 75
25) Isophorone	7.40	82	1205894	52.893	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	54076	7.276	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	54076	5.715	ng	# 31
67) 4-Bromophenyl-phenylether	10.67	248	39803	3.990	ng	# 1
77) Benzidine	12.95	184	36354	2.161	ng	# 96

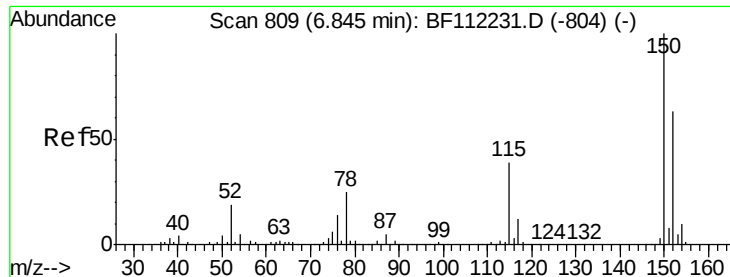
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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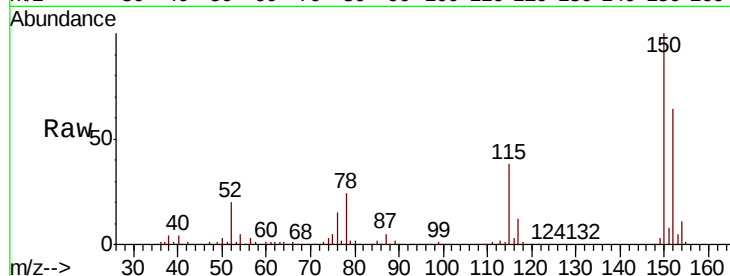


#1

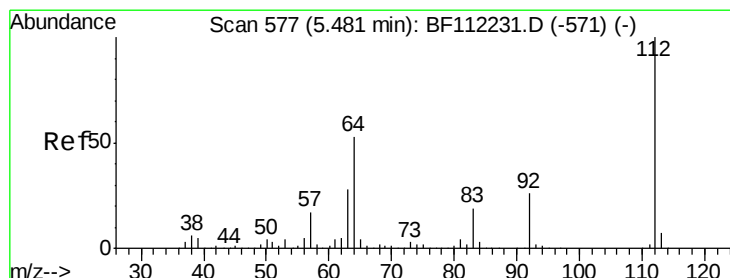
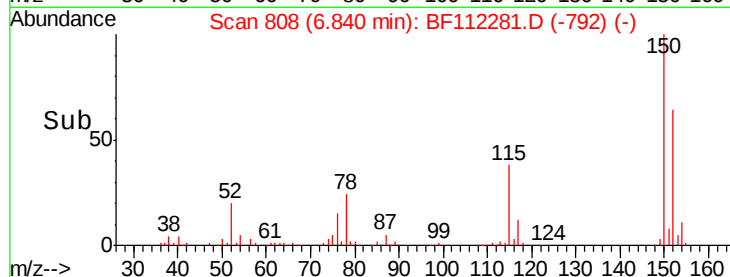
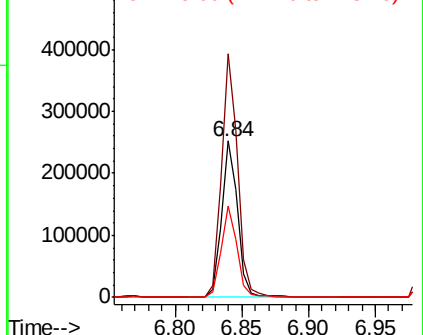
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112281.D
Acq: 28 Jan 2019 18:15

Instrument :
BNA_F
ClientSampled :
SOIL-2

Tgt Ion:152 Resp: 214425
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.0
115 58.7 45.5 68.3



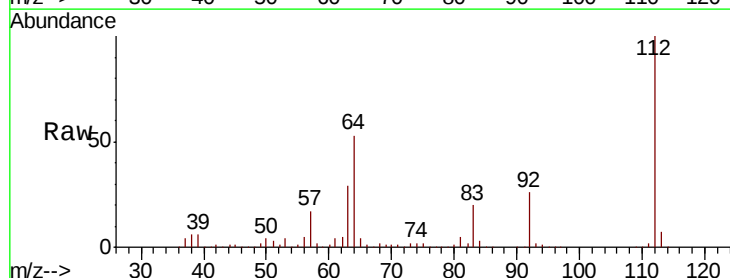
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



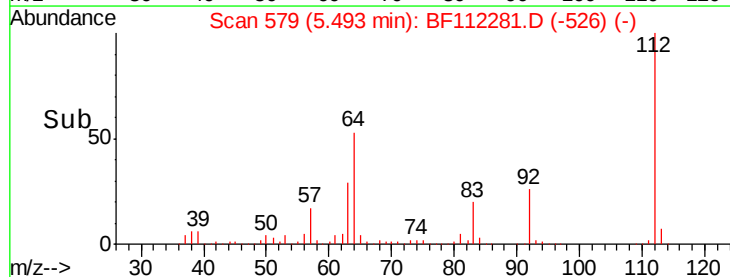
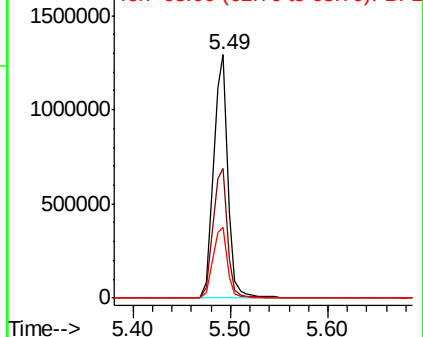
#5

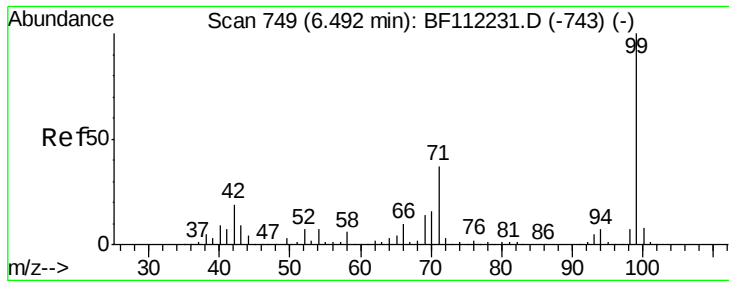
2-Fluorophenol
Concen: 129.885 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF112281.D
Acq: 28 Jan 2019 18:15

Tgt Ion:112 Resp: 1311189
Ion Ratio Lower Upper
112 100
64 53.4 45.7 68.5
63 28.9 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: 106.206 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

Instrument :

BNA_F

ClientSampleId :

SOIL-2

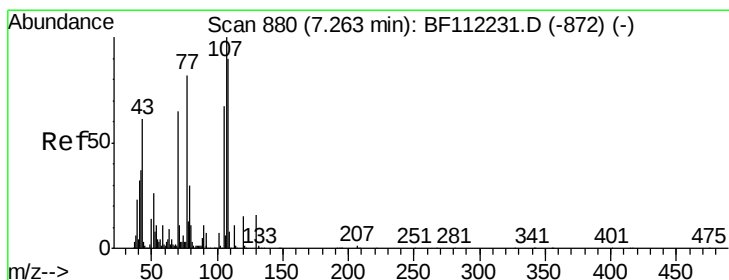
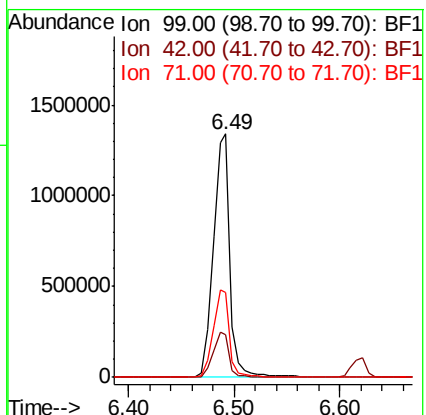
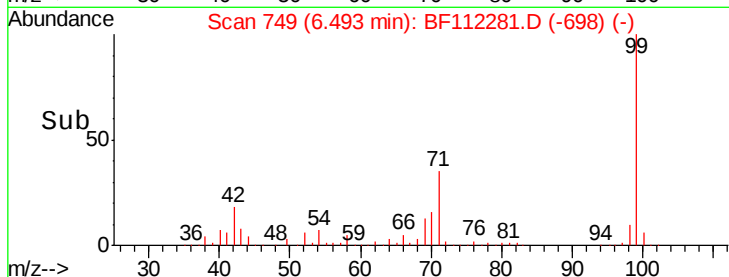
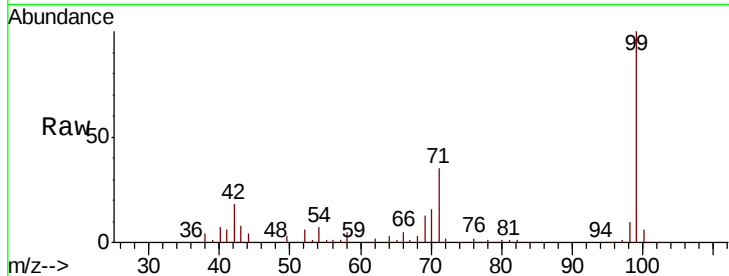
Tgt Ion: 99 Resp: 1489812

Ion Ratio Lower Upper

99 100

42 17.7 15.1 22.7

71 34.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.222 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

Tgt Ion: 70 Resp: 166581

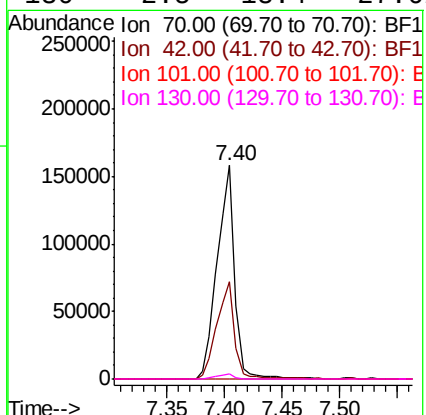
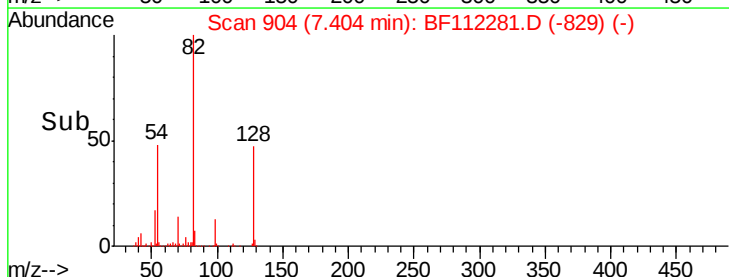
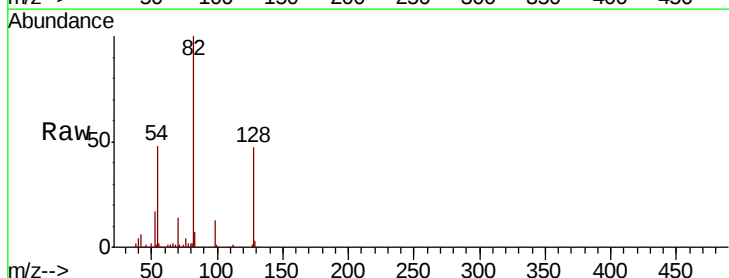
Ion Ratio Lower Upper

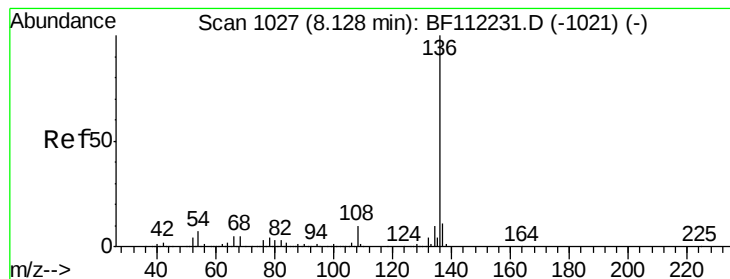
70 100

42 45.8 47.6 71.4#

101 0.0 7.9 11.9#

130 2.5 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

Instrument :

BNA_F

ClientSampled :

SOIL-2

Tgt Ion:136 Resp: 837370

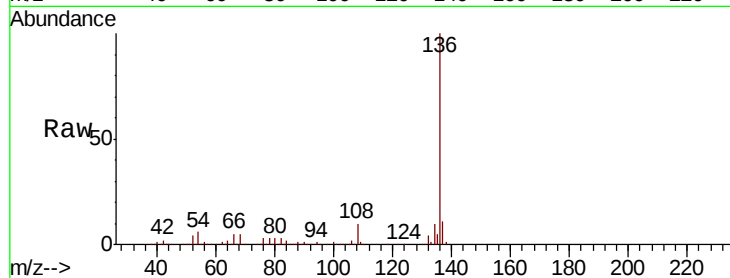
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.2 5.9 8.9

68 4.9 5.1 7.7#

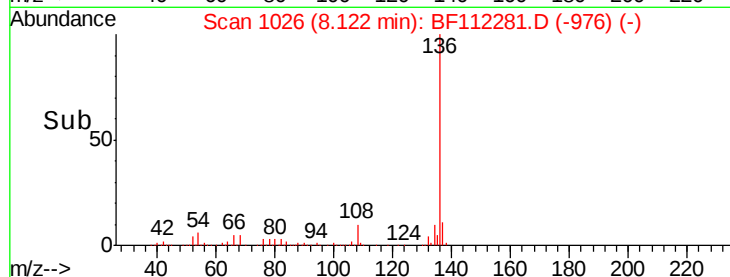


Abundance Ion 136.00 (135.70 to 136.70): E

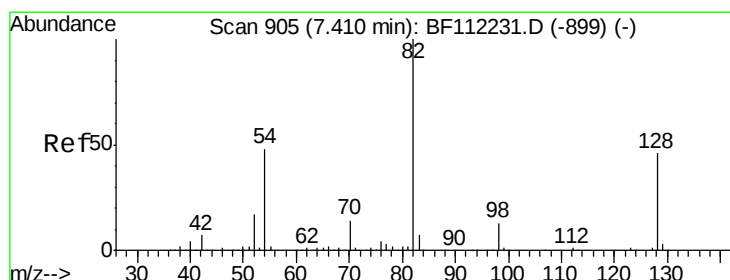
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 83.580 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

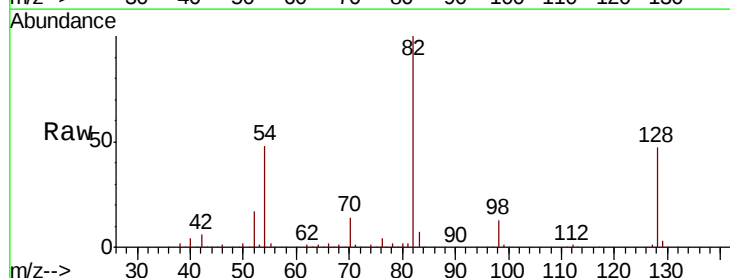
Tgt Ion: 82 Resp: 1214641

Ion Ratio Lower Upper

82 100

128 47.3 37.8 56.8

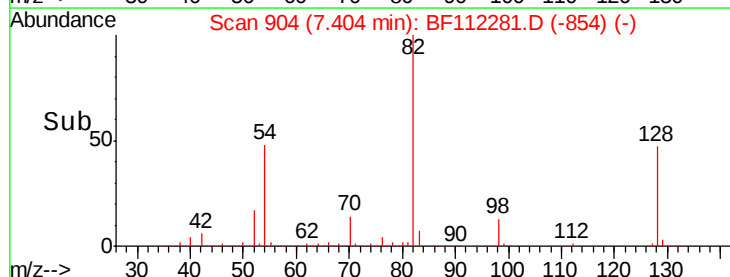
54 47.7 39.7 59.5



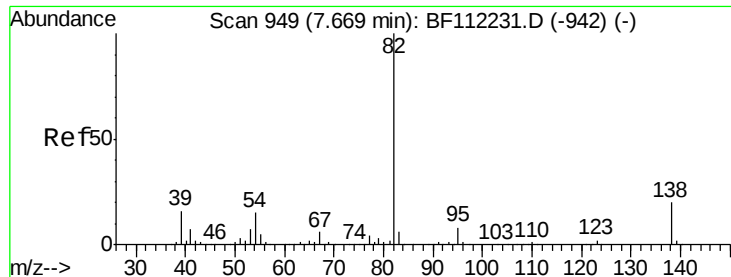
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 52.893 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

Instrument :

BNA_F

ClientSampleId :

SOIL-2

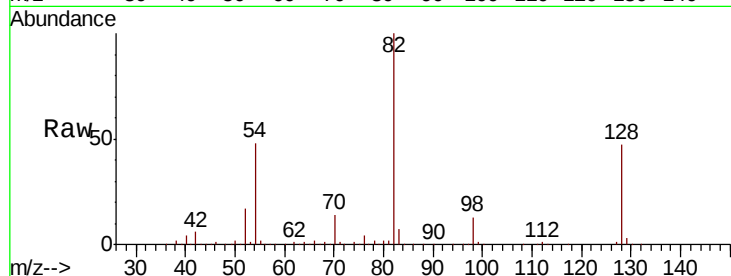
Tgt Ion: 82 Resp: 1205894

Ion Ratio Lower Upper

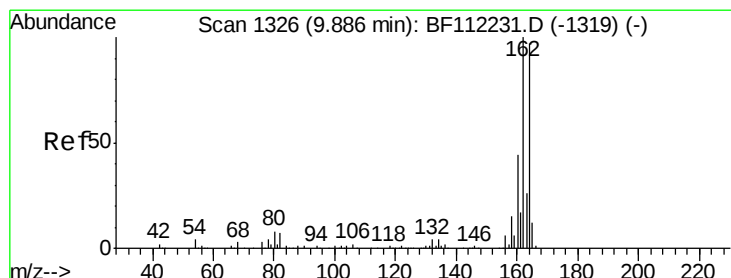
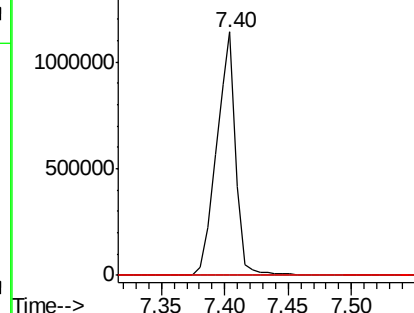
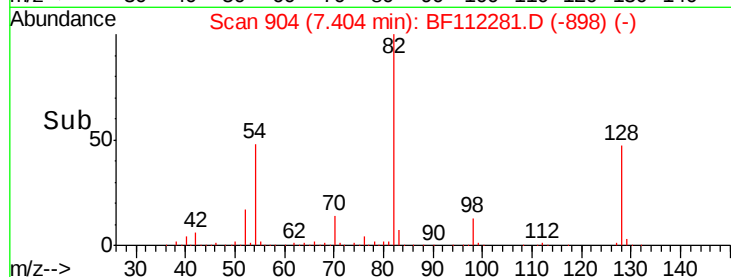
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

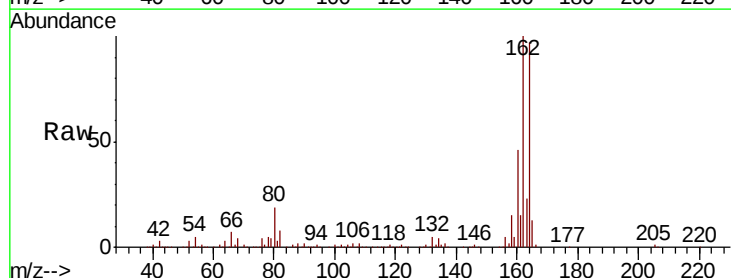
Tgt Ion: 164 Resp: 427101

Ion Ratio Lower Upper

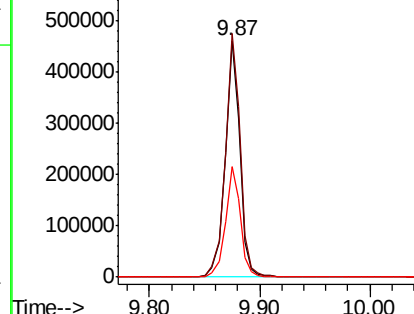
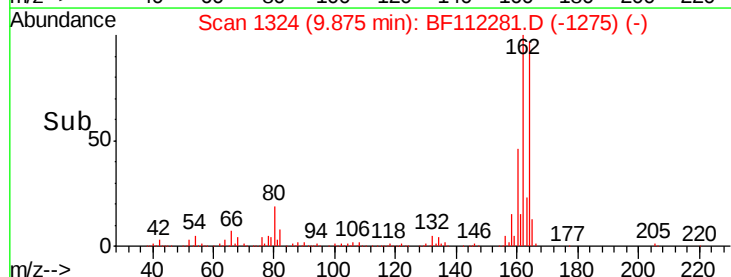
164 100

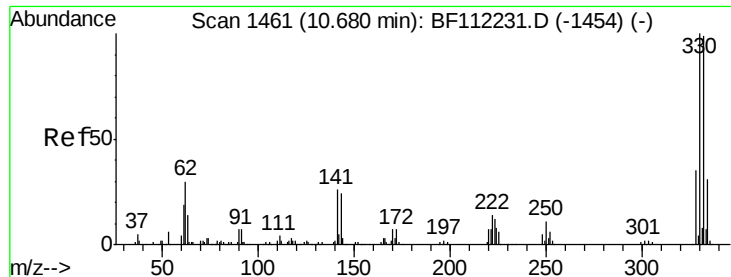
162 103.1 82.2 123.4

160 46.9 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

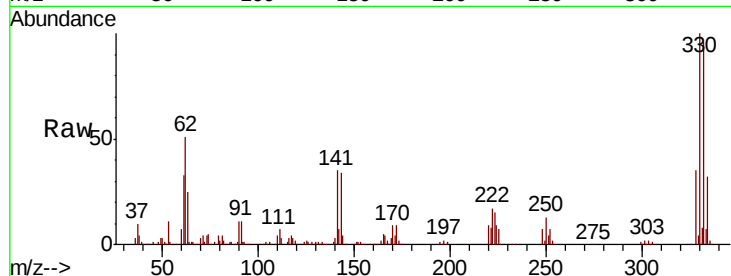




#42
 2,4,6-Tribromophenol
 Concen: 128.720 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112281.D
 Acq: 28 Jan 2019 18:15

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	32.1	24.3	36.5

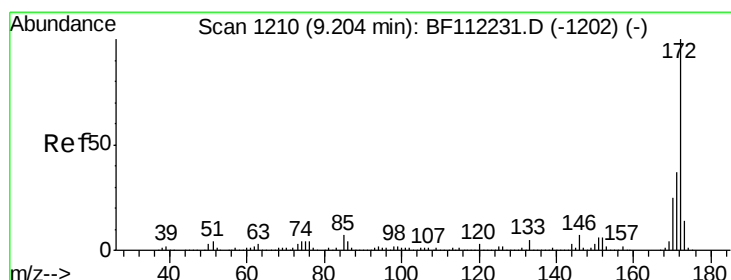
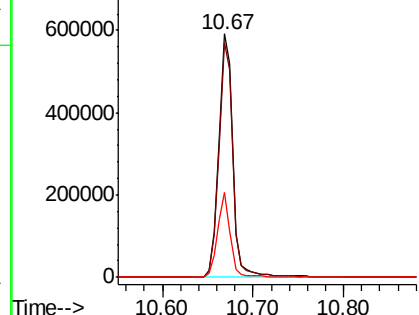
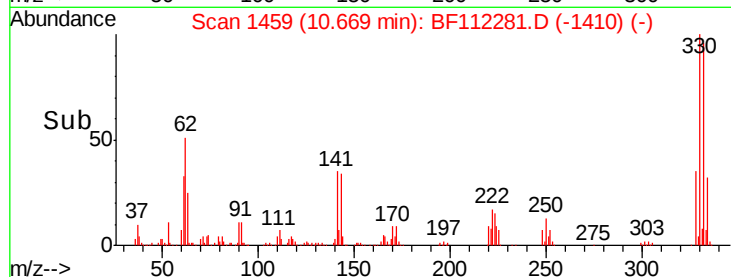


Abundance

Ion 329.80 (329.50 to 330.50): E

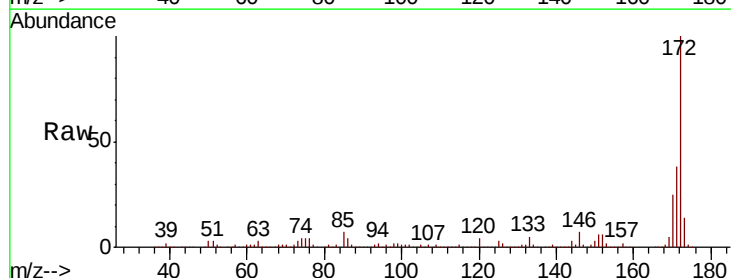
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.327 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112281.D
 Acq: 28 Jan 2019 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.5	45.7
170	25.4	20.2	30.4

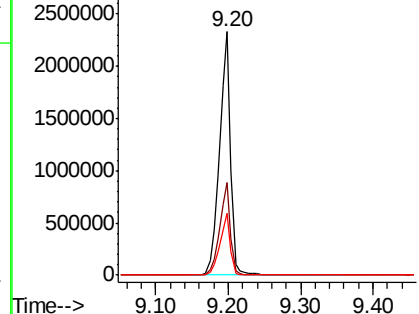
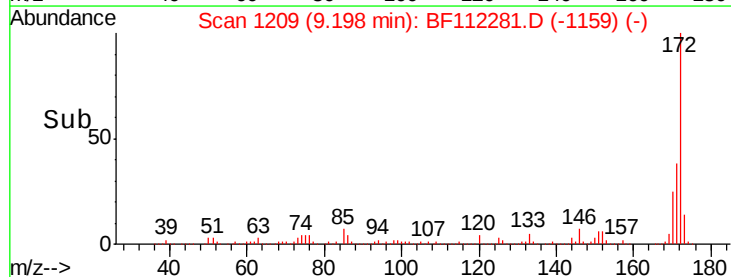


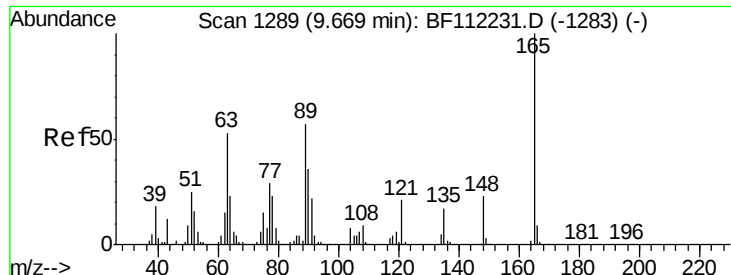
Abundance

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

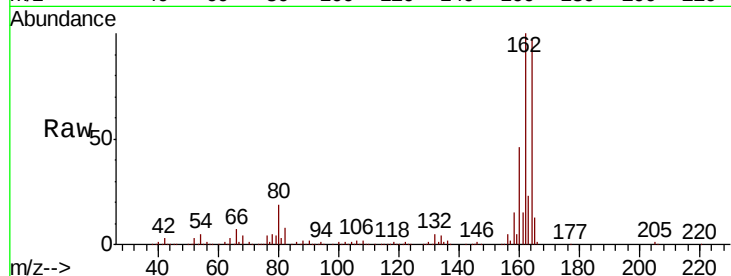




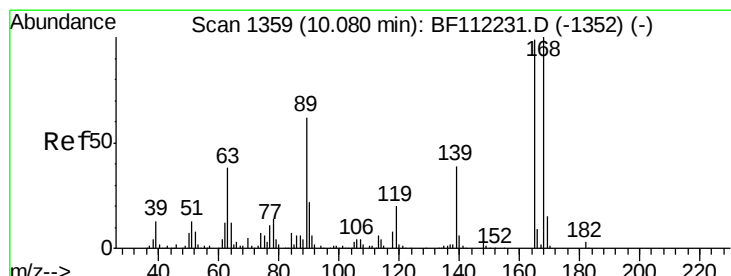
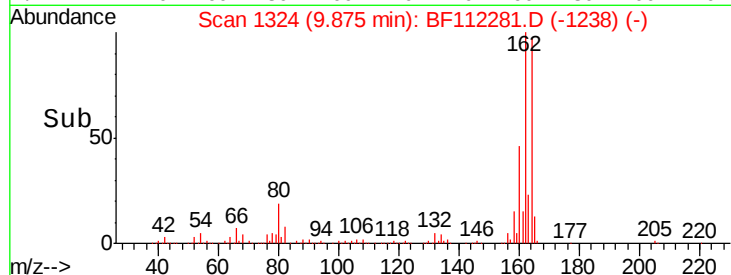
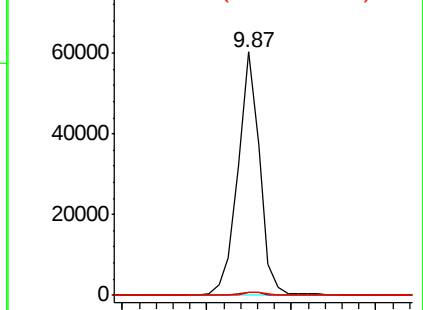
#51
 2,6-Dinitrotoluene
 Concen: 7.276 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112281.D
 Acq: 28 Jan 2019 18:15

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.3	36.9	55.3#



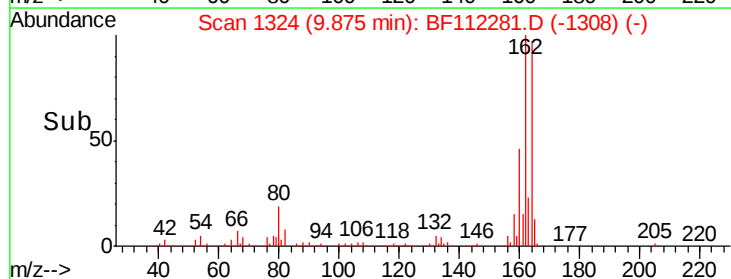
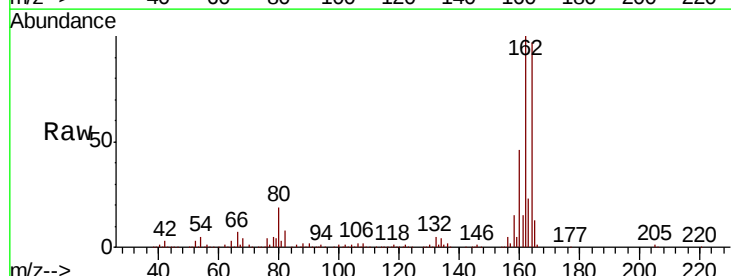
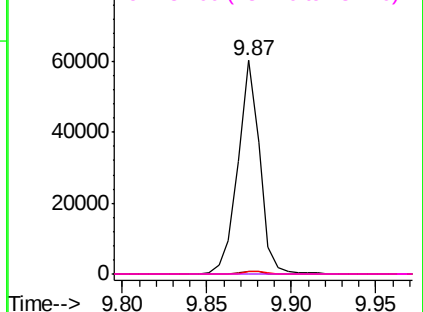
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

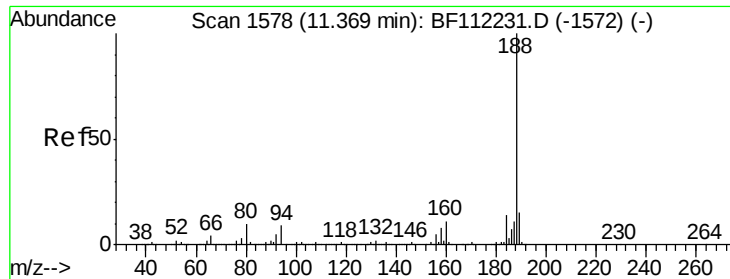


#57
 2,4-Dinitrotoluene
 Concen: 5.715 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112281.D
 Acq: 28 Jan 2019 18:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.3	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

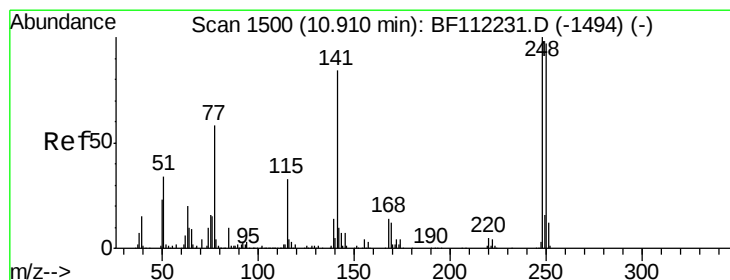
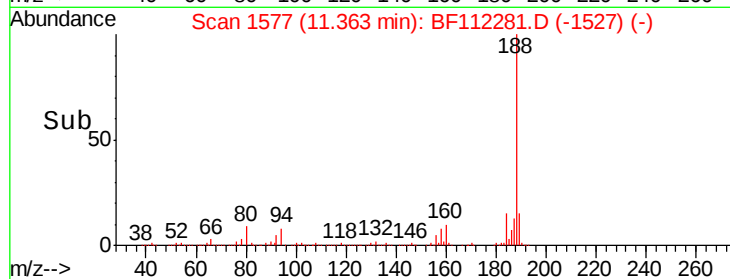
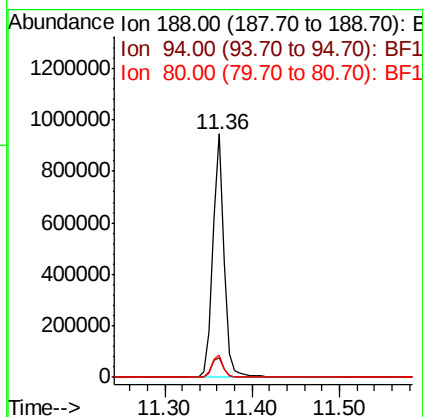
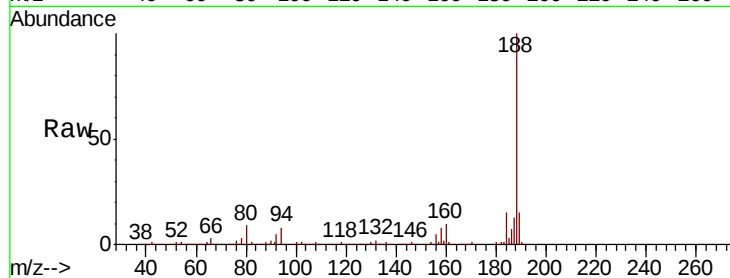




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112281.D
 Acq: 28 Jan 2019 18:15

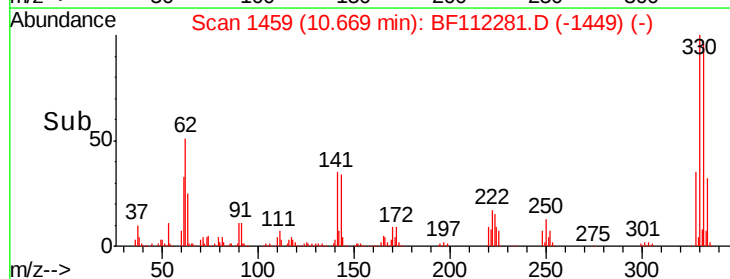
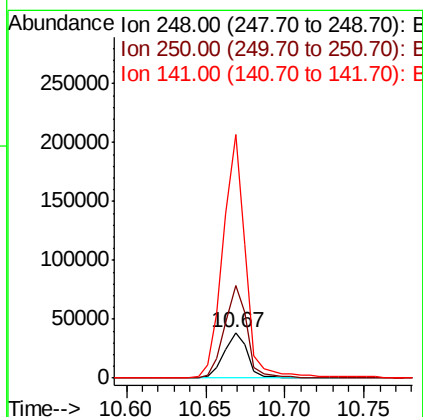
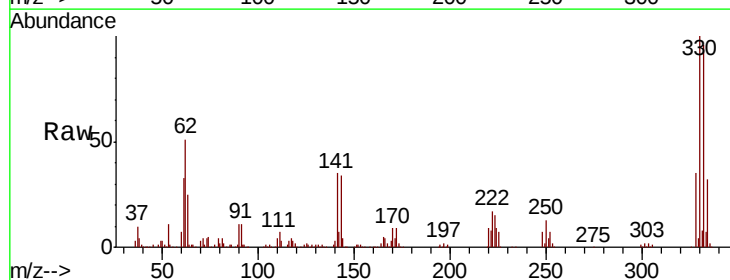
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

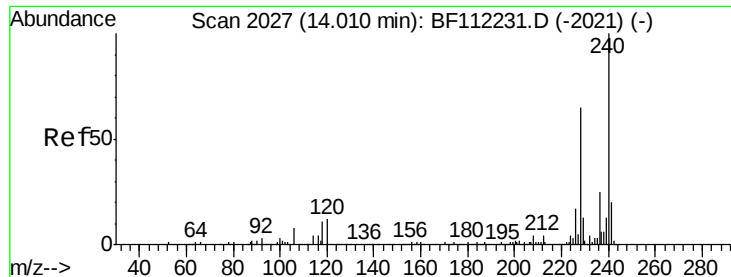
Tgt Ion:	188	Resp:	848073
Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.2
80	9.0	8.9	13.3



#67
 4-Bromophenyl-phenylether
 Concen: 3.990 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112281.D
 Acq: 28 Jan 2019 18:15

Tgt Ion:	248	Resp:	39803
Ion	Ratio	Lower	Upper
248	100		
250	201.5	79.7	119.5#
141	531.4	60.3	90.5#

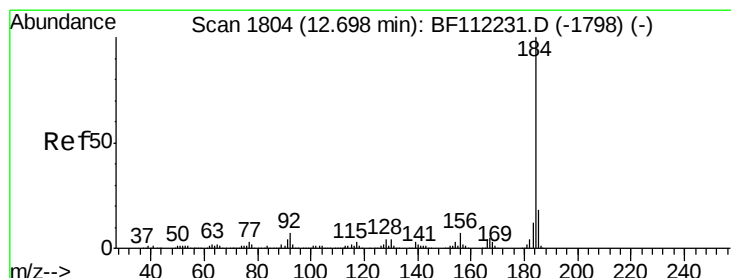
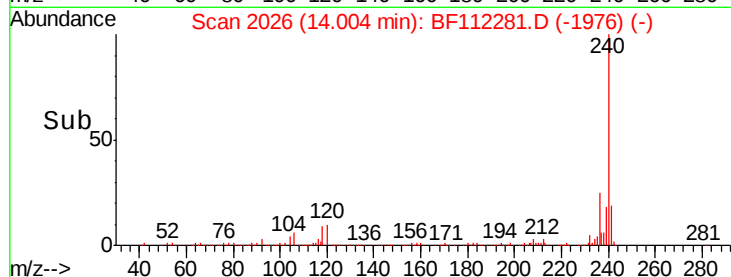
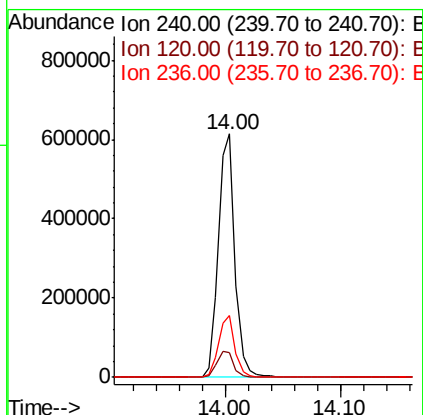
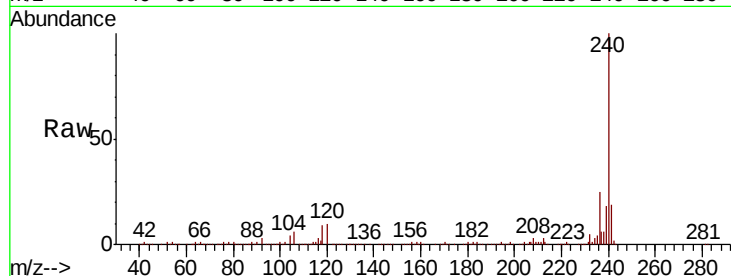




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112281.D
Acq: 28 Jan 2019 18:15

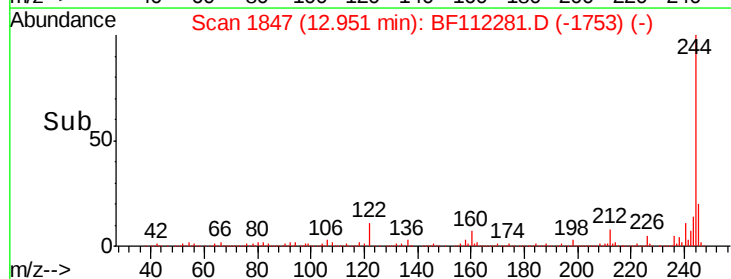
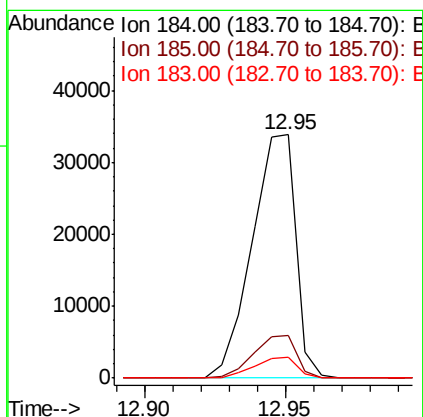
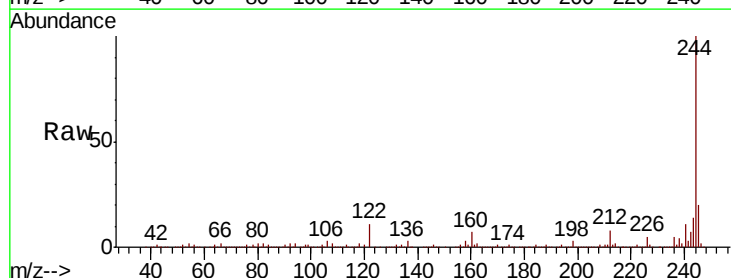
Instrument :
BNA_F
ClientSampleId :
SOIL-2

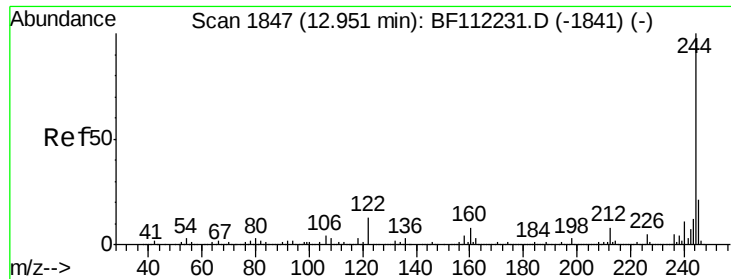
Tgt Ion:240 Resp: 611175
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.6
236 25.4 20.7 31.1



#77
Benzidine
Concen: 2.161 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.25 min
Lab File: BF112281.D
Acq: 28 Jan 2019 18:15

Tgt Ion:184 Resp: 36354
Ion Ratio Lower Upper
184 100
185 17.5 13.9 20.9
183 8.5 10.0 15.0#





#79

Terphenyl-d14

Concen: 81.267 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

Instrument :

BNA_F

ClientSampleId :

SOIL-2

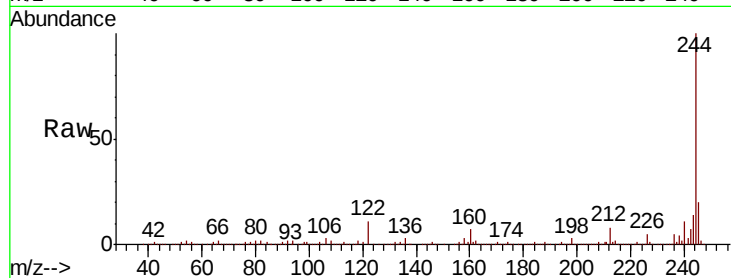
Tgt Ion:244 Resp: 2637100

Ion Ratio Lower Upper

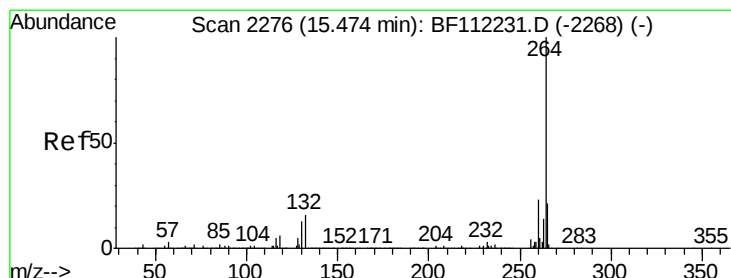
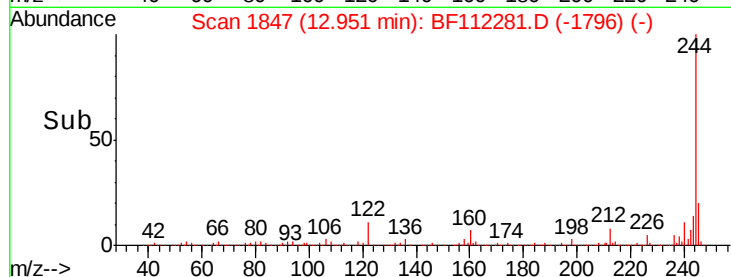
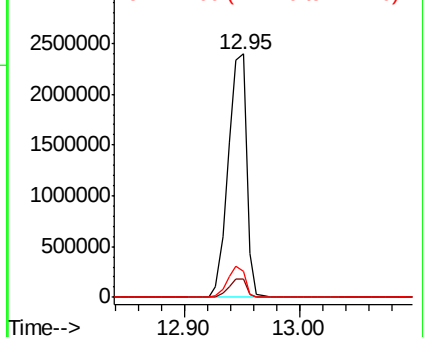
244 100

212 7.6 5.9 8.9

122 10.9 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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112281.D

Acq: 28 Jan 2019 18:15

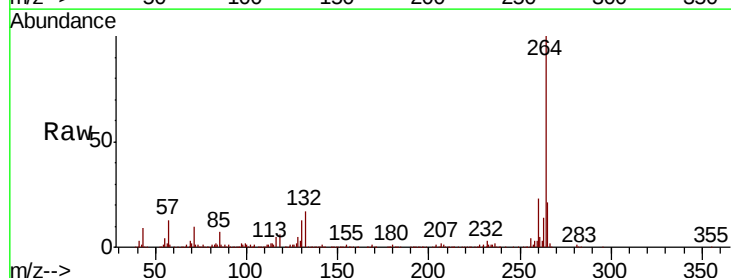
Tgt Ion:264 Resp: 464433

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 21.1 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

