

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020419\
 Data File : BF112387.D
 Acq On : 4 Feb 2019 18:28
 Operator : JU/SJ
 Sample : K1312-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 04 23:47:13 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

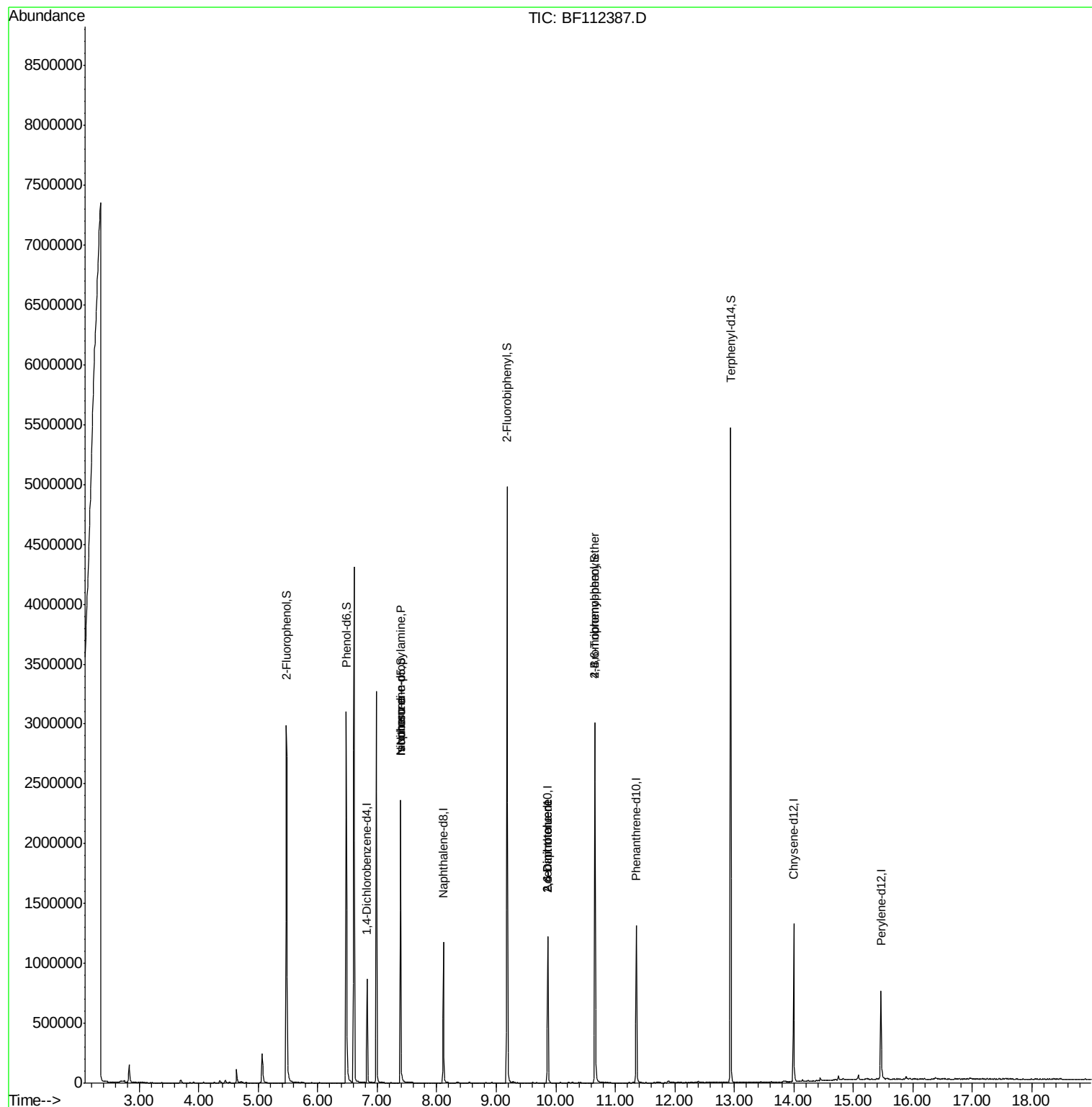
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	146578	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	556632	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	275475	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	551378	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	482781	20.00	ng	-0.01
87) Perylene-d12	15.46	264	361241	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	938447	135.99	ng	0.00
7) Phenol-d6	6.48	99	1084148	113.06	ng	-0.01
23) Nitrobenzene-d5	7.39	82	785799	81.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	417921	130.34	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1612827	82.81	ng	-0.02
79) Terphenyl-d14	12.94	244	1853849	72.32	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	106884	16.165	ng	# 76
25) Isophorone	7.39	82	785793	51.850	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	34800	7.260	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	34800	5.703	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	25276	3.898	ng	# 1

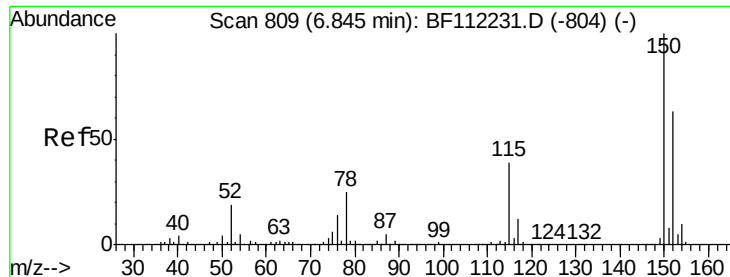
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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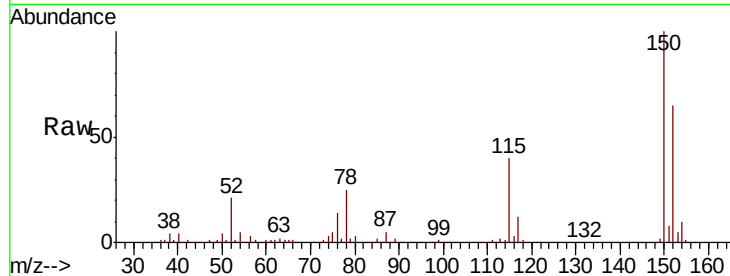


#1

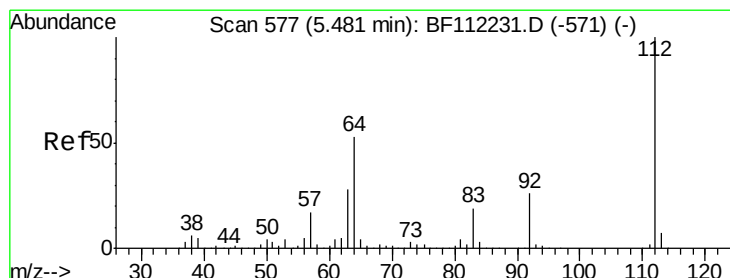
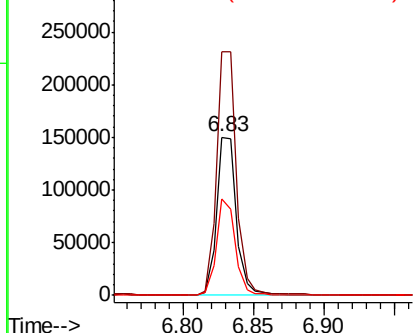
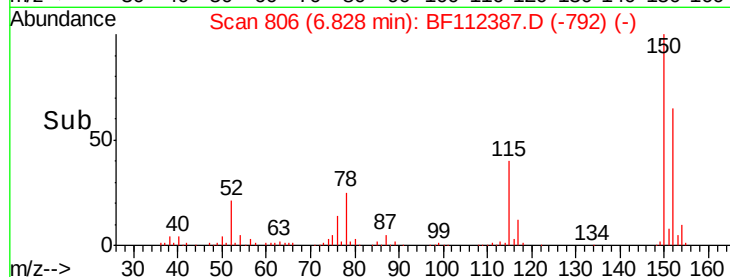
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112387.D
 Acq: 4 Feb 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tgt Ion:152 Resp: 146578
 Ion Ratio Lower Upper
 152 100
 150 153.7 127.4 191.0
 115 61.0 45.5 68.3



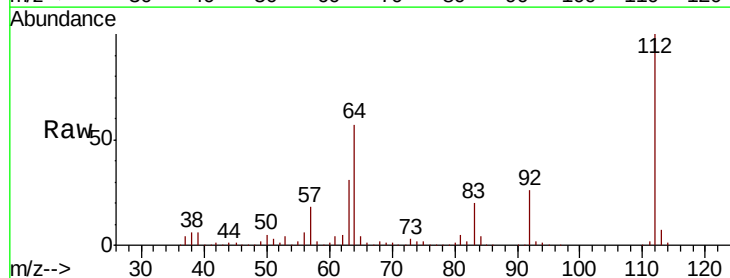
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



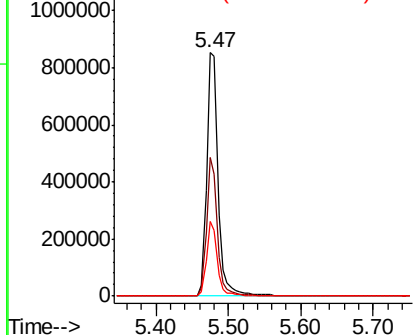
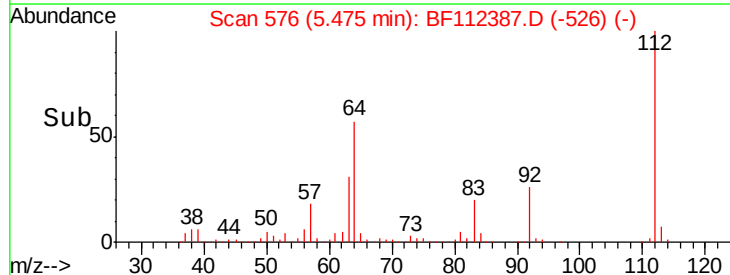
#5

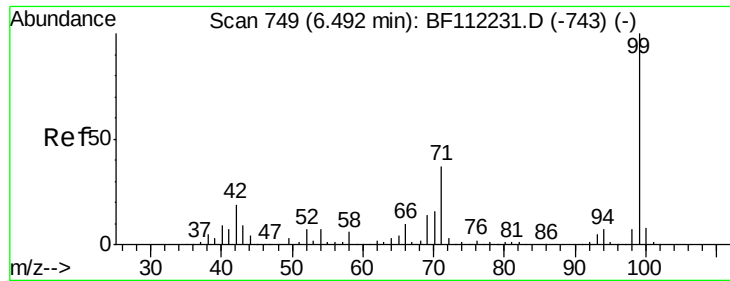
2-Fluorophenol
 Concen: 135.991 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112387.D
 Acq: 4 Feb 2019 18:28

Tgt Ion:112 Resp: 938447
 Ion Ratio Lower Upper
 112 100
 64 57.2 45.7 68.5
 63 30.6 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: 113.061 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

Instrument :

BNA_F

ClientSampled :

SOIL-PILE

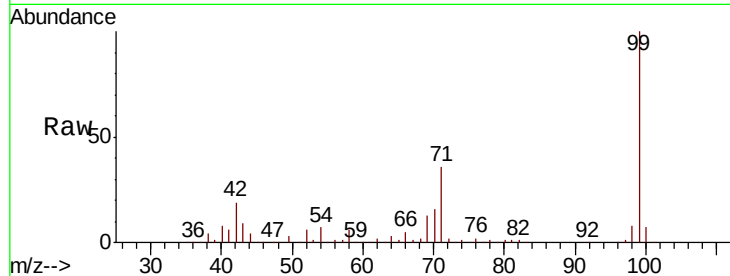
Tgt Ion: 99 Resp: 1084148

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

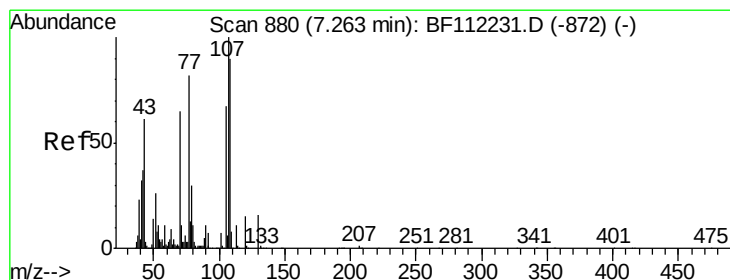
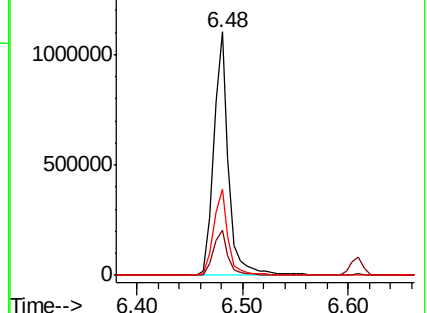
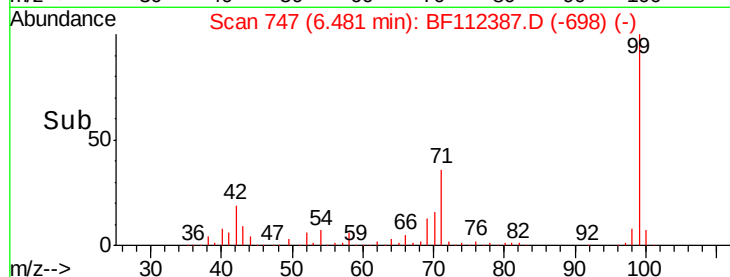
71 35.6 26.9 40.3



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: 16.165 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

Tgt Ion: 70 Resp: 106884

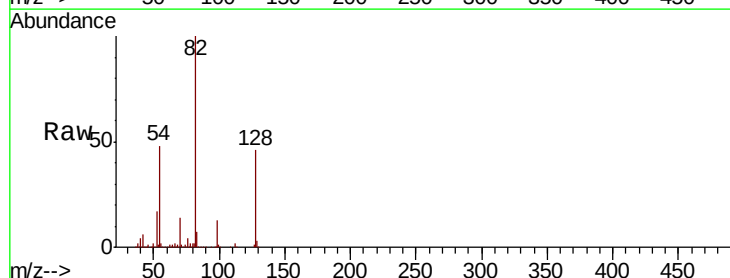
Ion Ratio Lower Upper

70 100

42 46.7 47.6 71.4#

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

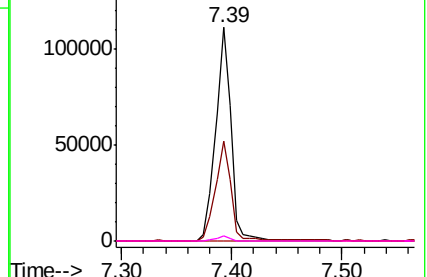
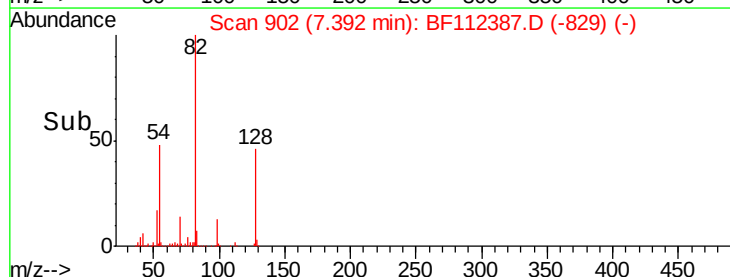


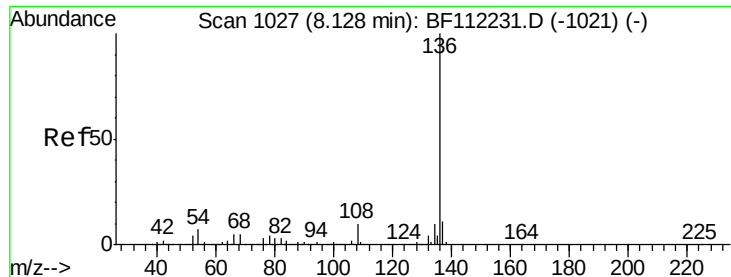
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

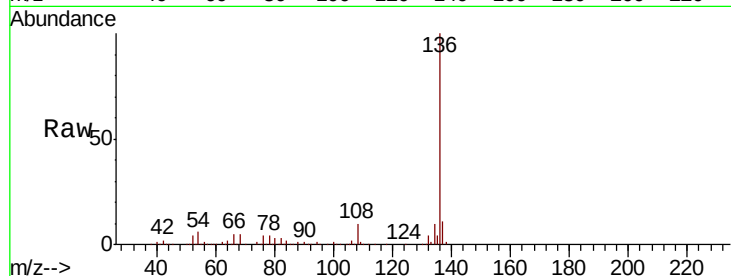




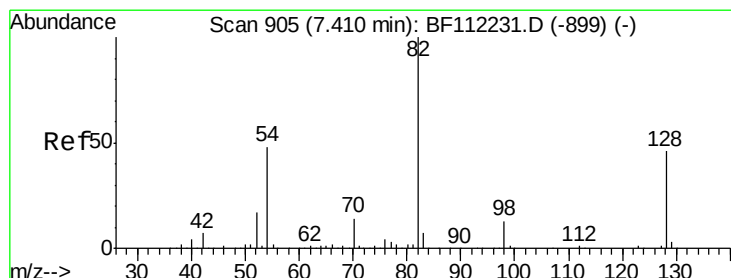
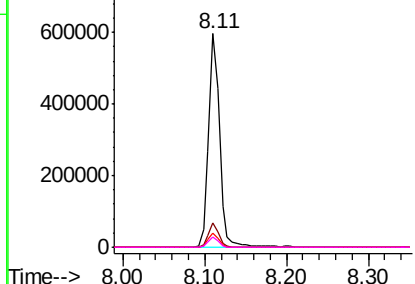
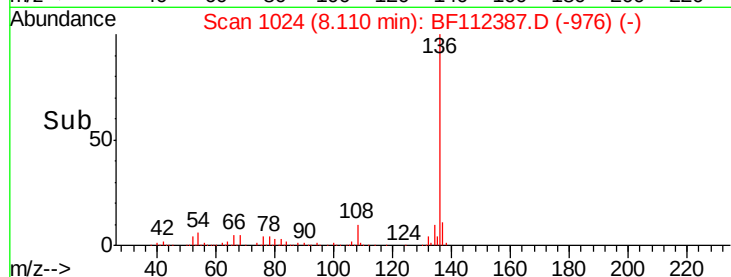
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion:	136	Resp:	556632
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.4	5.9	8.9
68	4.7	5.1	7.7#

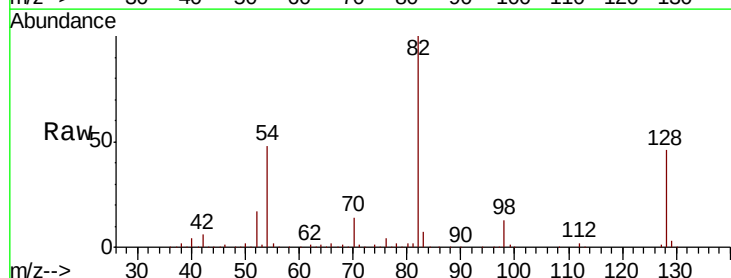


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

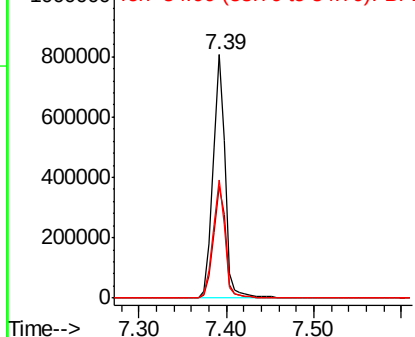
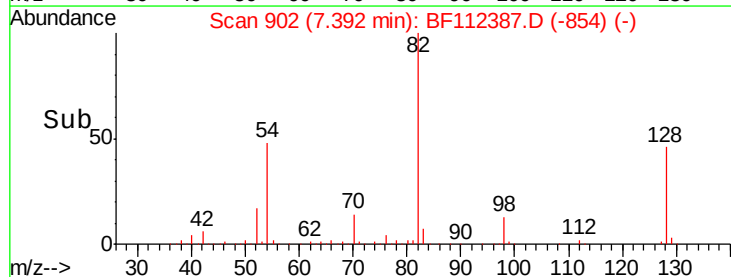


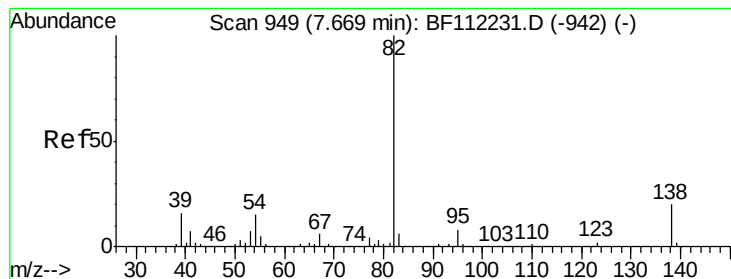
#23
Nitrobenzene-d5
Concen: 81.342 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

Tgt Ion:	82	Resp:	785799
Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.8	56.8
54	48.5	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





#25

Isophorone

Concen: 51.850 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

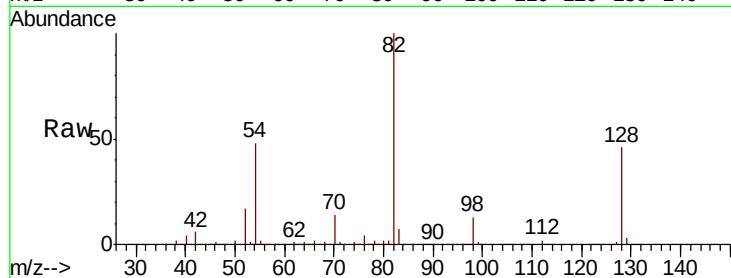
Tgt Ion: 82 Resp: 785793

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

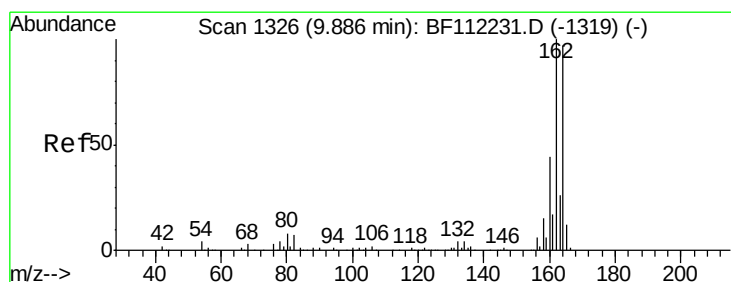
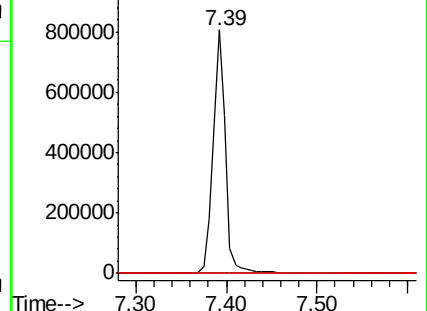
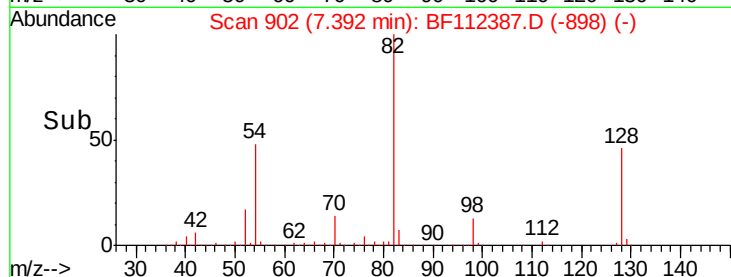
138 0.0 15.4 23.0#



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# 1323

Delta R.T. -0.02 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

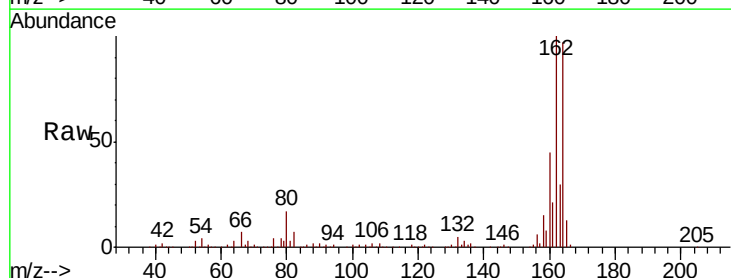
Tgt Ion: 164 Resp: 275475

Ion Ratio Lower Upper

164 100

162 102.6 82.2 123.4

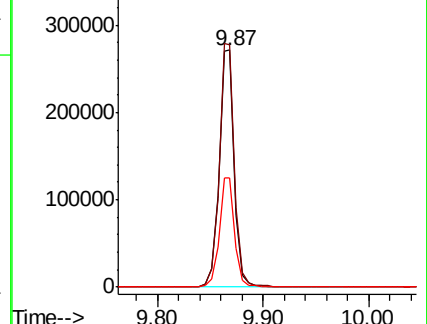
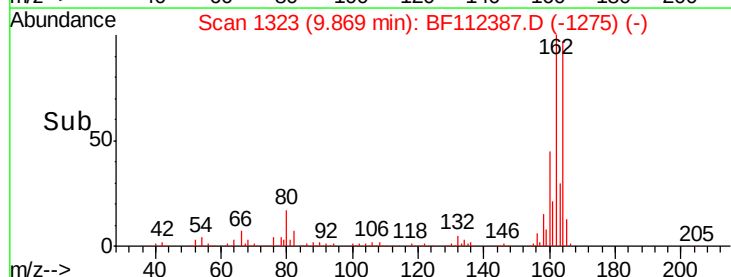
160 46.2 36.2 54.4

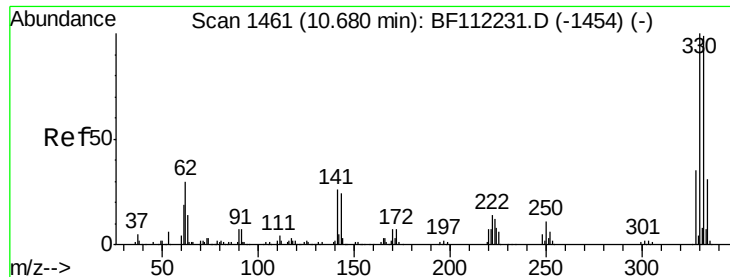


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 130.338 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

Instrument :

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ClientSampleId :

SOIL-PILE

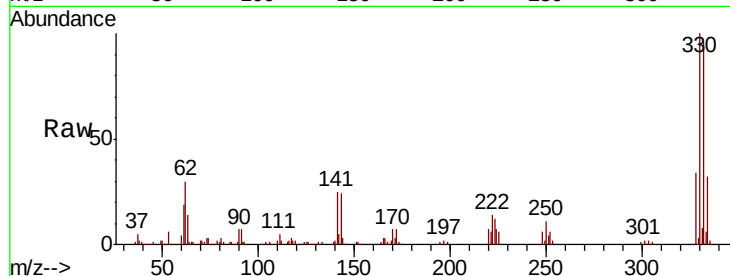
Tgt Ion:330 Resp: 417921

Ion Ratio Lower Upper

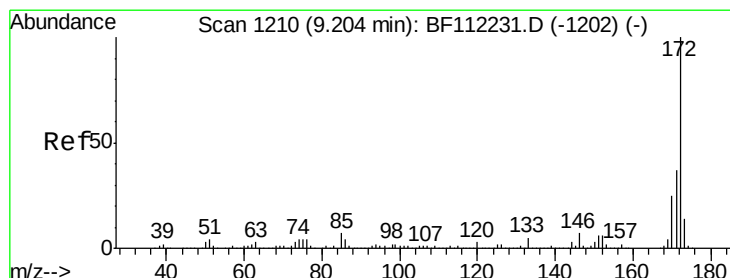
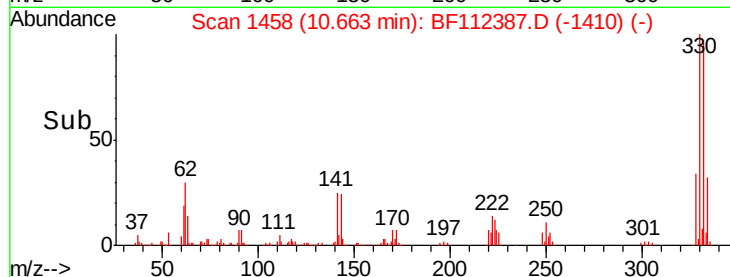
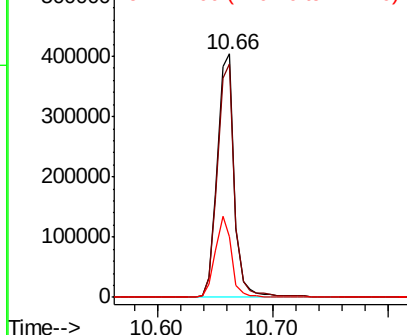
330 100

332 96.5 76.6 114.8

141 32.2 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: 82.805 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

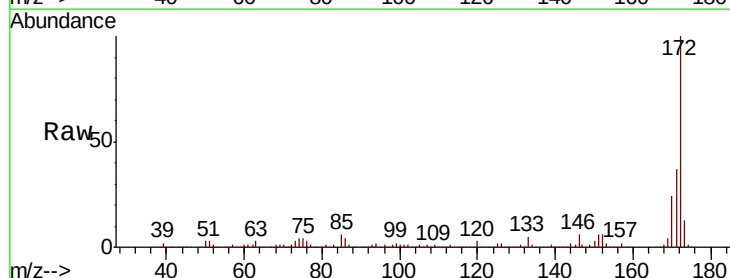
Tgt Ion:172 Resp: 1612827

Ion Ratio Lower Upper

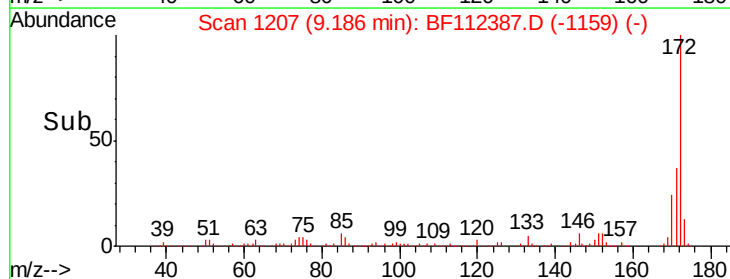
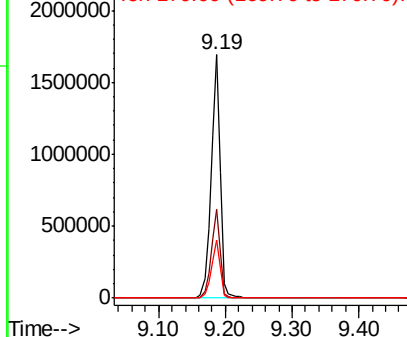
172 100

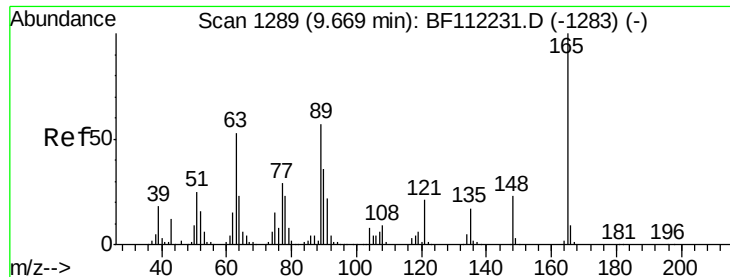
171 36.6 30.5 45.7

170 23.9 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: 7.260 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

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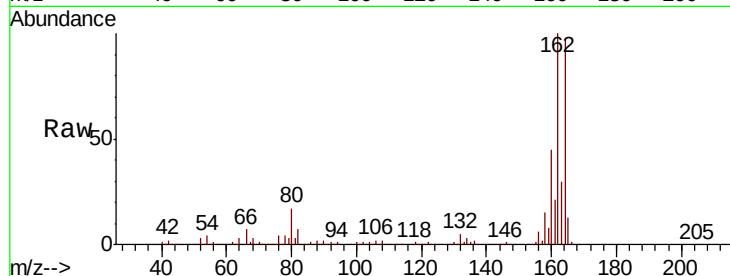
Tgt Ion:165 Resp: 34800

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

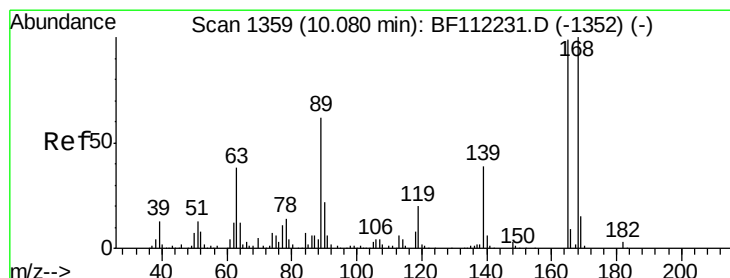
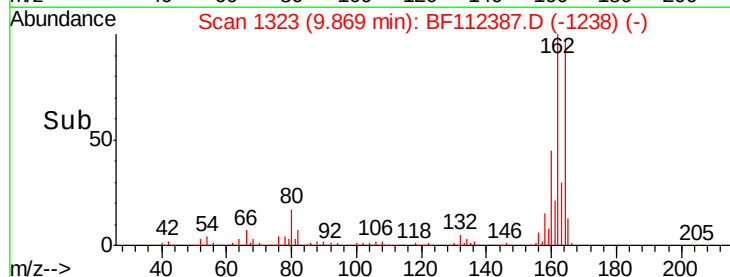
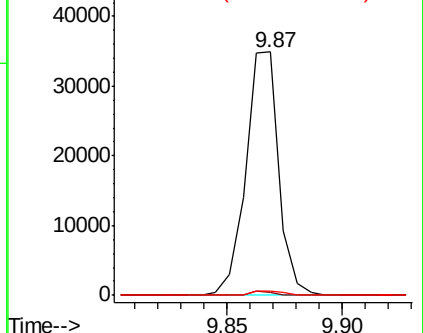
89 1.6 36.9 55.3#



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: 5.703 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

Tgt Ion:165 Resp: 34800

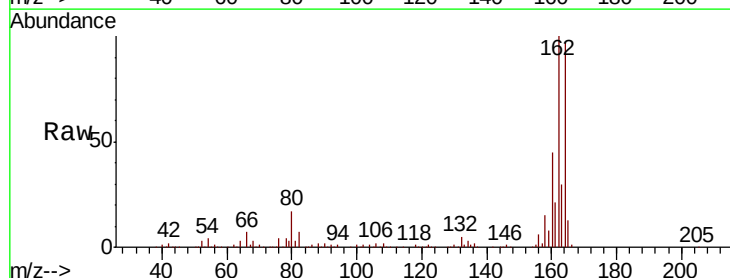
Ion Ratio Lower Upper

165 100

63 1.1 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

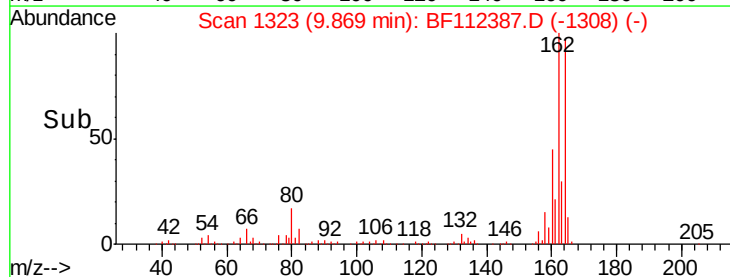
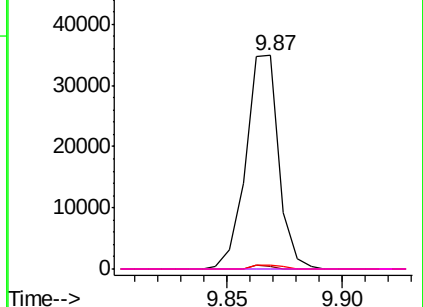


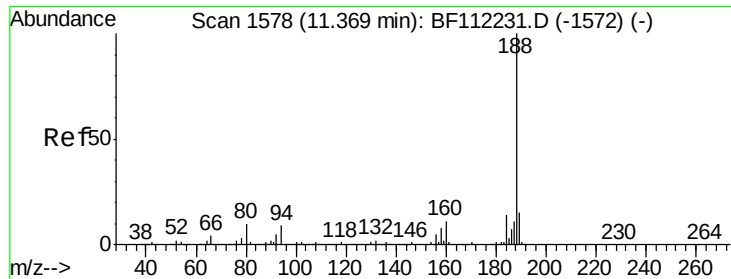
Abundance Ion 165.00 (164.70 to 165.70): E

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

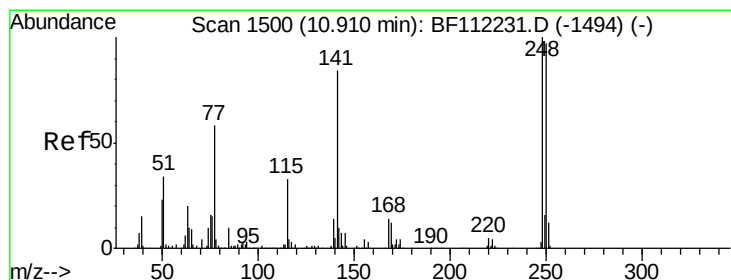
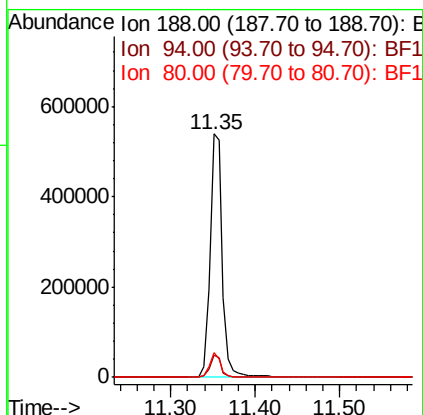
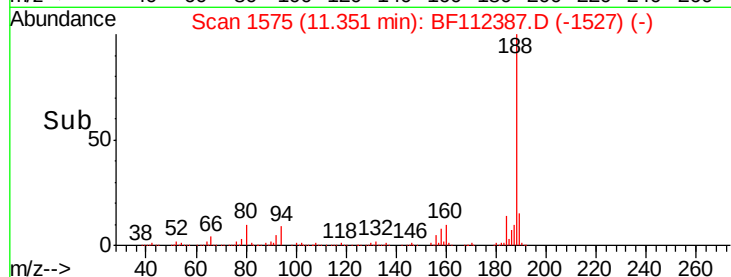
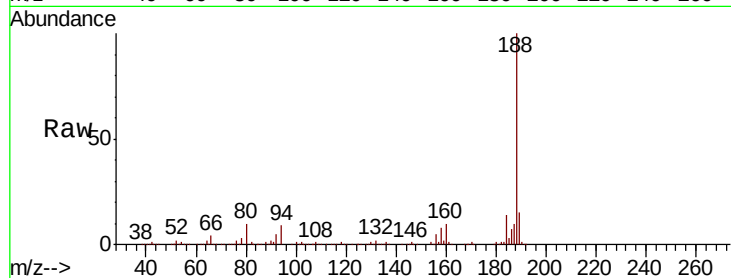




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

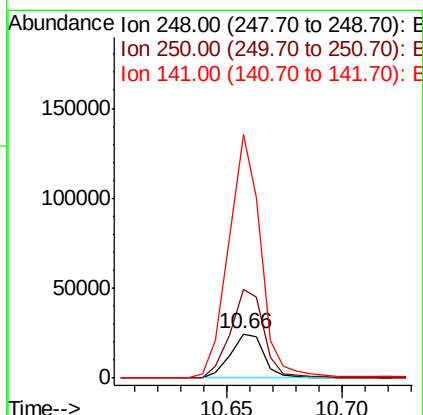
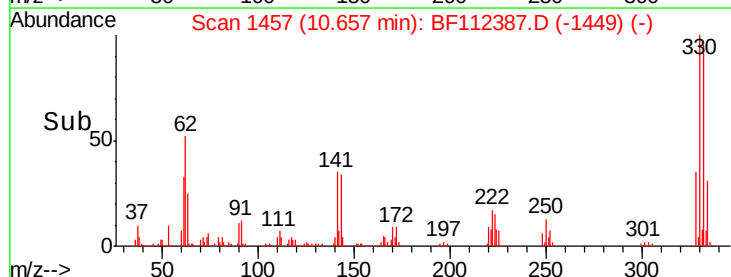
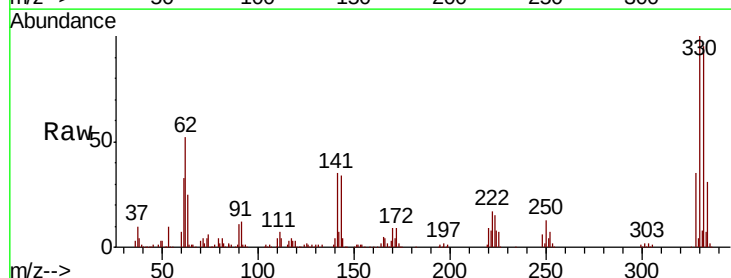
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

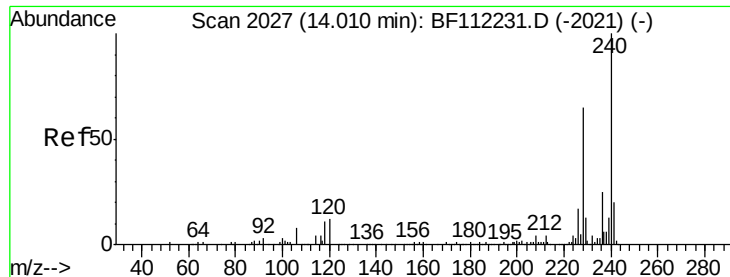
Tgt Ion:188 Resp: 551378
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 10.0 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.898 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

Tgt Ion:248 Resp: 25276
Ion Ratio Lower Upper
248 100
250 199.8 79.7 119.5#
141 551.5 60.3 90.5#

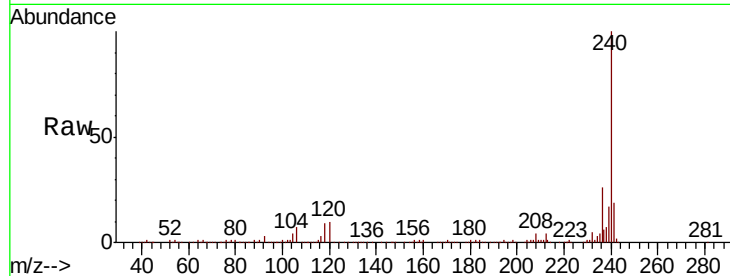




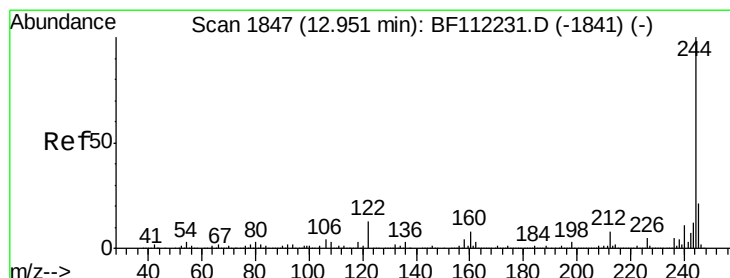
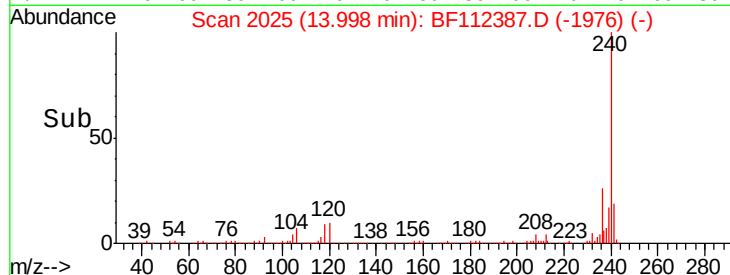
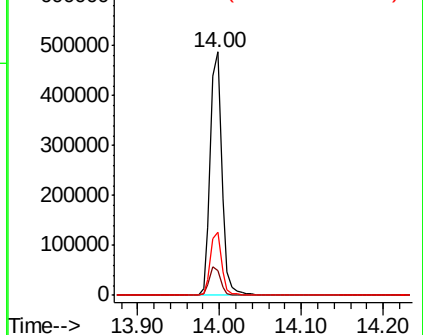
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion:240 Resp: 482781
Ion Ratio Lower Upper
240 100
120 10.2 9.0 13.6
236 25.8 20.7 31.1

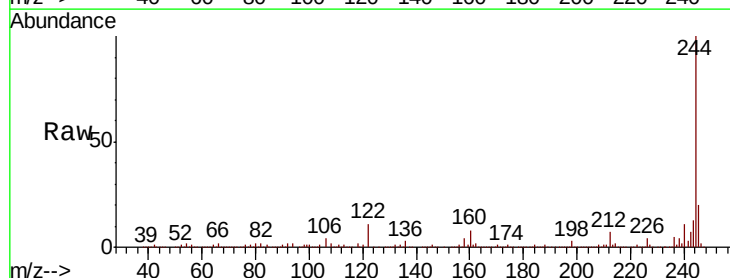


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

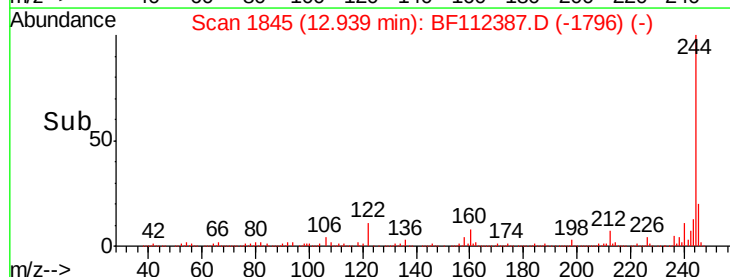
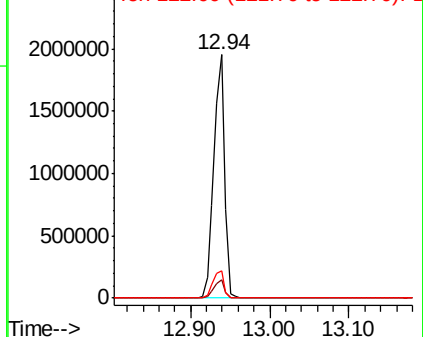


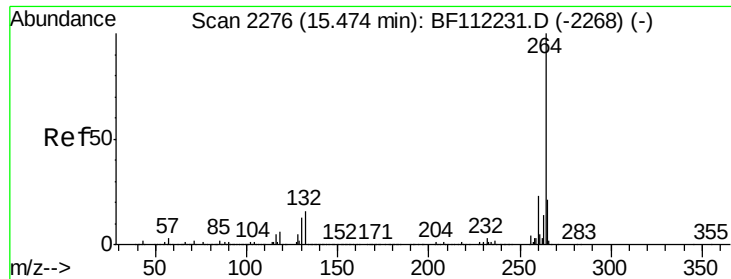
#79
Terphenyl-d14
Concen: 72.323 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

Tgt Ion:244 Resp: 1853849
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 11.3 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: BF112387.D
Acq: 4 Feb 2019 18:28

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	20.8	17.0	25.4

