

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020419\
 Data File : BF112380.D
 Acq On : 4 Feb 2019 15:19
 Operator : JU/SJ
 Sample : K1312-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 04 15:56:45 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

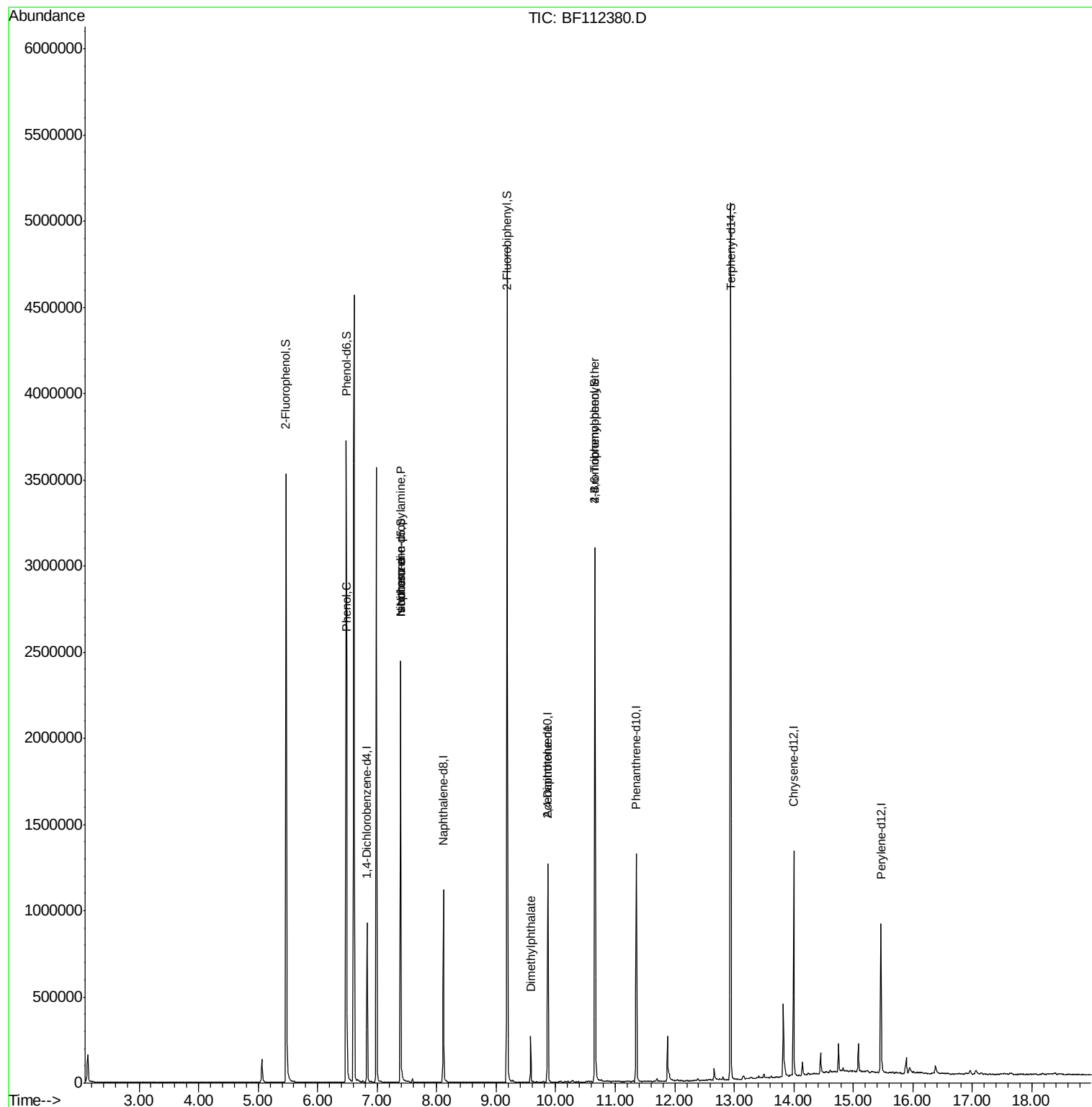
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	143566	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	544618	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	265385	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	526844	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	461478	20.00	ng	-0.01
87) Perylene-d12	15.46	264	354360	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1091868	161.54	ng	0.00
7) Phenol-d6	6.48	99	1371596	146.04	ng	-0.01
23) Nitrobenzene-d5	7.39	82	856475	90.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	422512	136.78	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1555919	82.92	ng	-0.02
79) Terphenyl-d14	12.94	244	1706929	69.67	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	23843	2.314	ng	90
19) n-Nitroso-di-n-propylamine	7.39	70	116020	17.915	ng	# 78
25) Isophorone	7.39	82	856469	57.760	ng	# 63
50) Dimethylphthalate	9.58	163	111680	5.416	ng	99
57) 2,4-Dinitrotoluene	9.87	165	34015	5.786	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	25321	4.086	ng	# 1

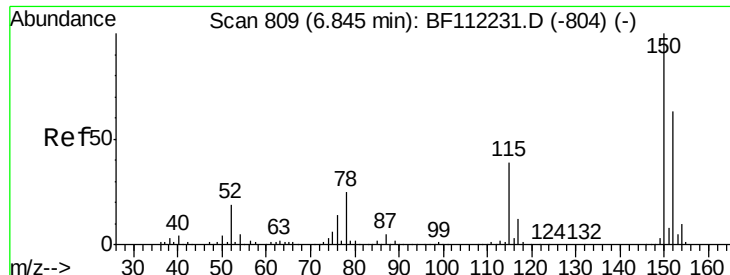
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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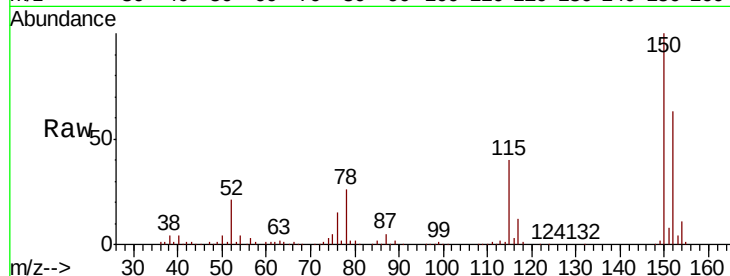


#1

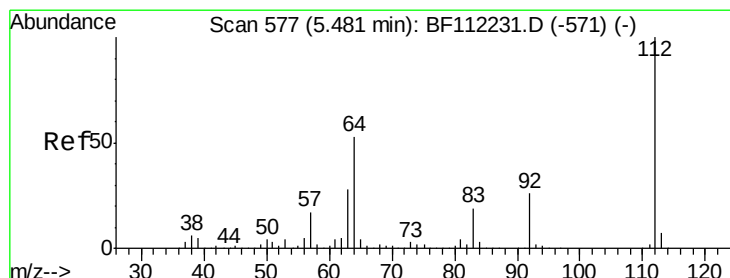
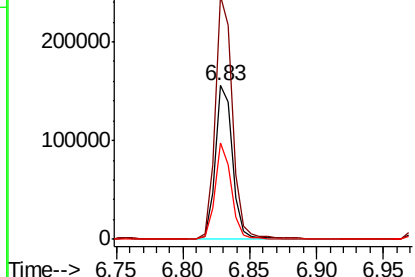
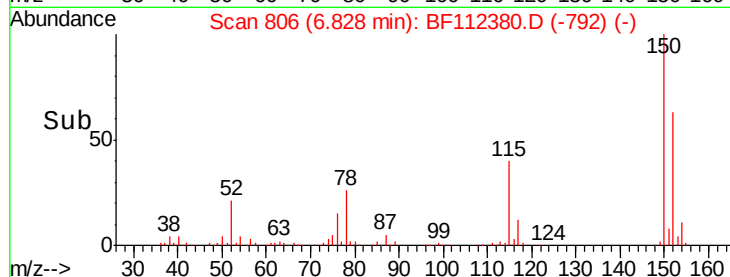
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF112380.D
 Acq: 4 Feb 2019 15:19

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion:152 Resp: 143566
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.4 191.0
 115 62.8 45.5 68.3



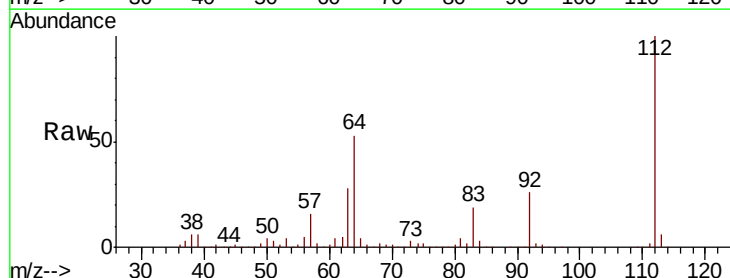
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



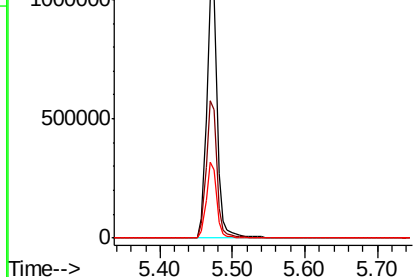
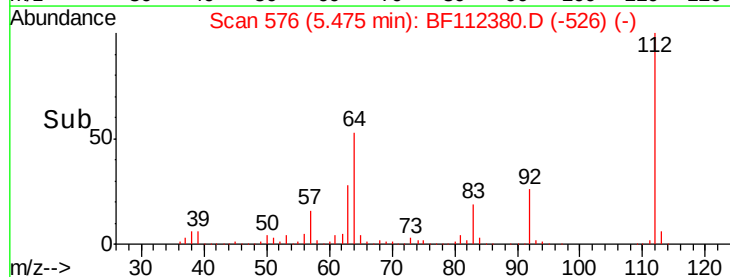
#5

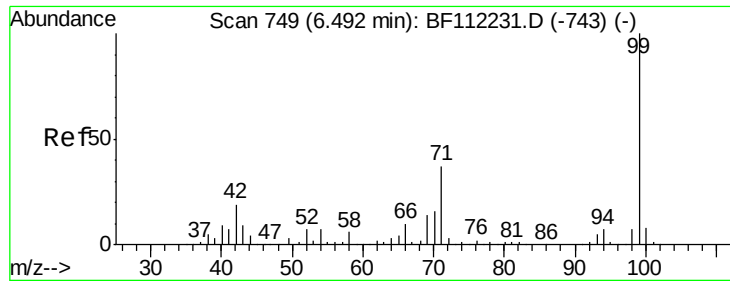
2-Fluorophenol
 Concen: 161.542 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112380.D
 Acq: 4 Feb 2019 15:19

Tgt Ion:112 Resp: 1091868
 Ion Ratio Lower Upper
 112 100
 64 52.7 45.7 68.5
 63 28.0 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: 146.039 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112380.D

Acq: 4 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

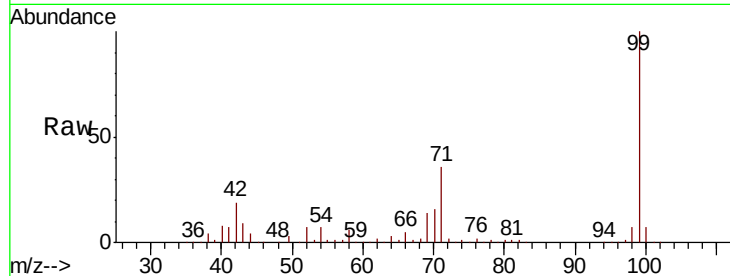
Tot Ion: 99 Resp: 1371596

Ion Ratio Lower Upper

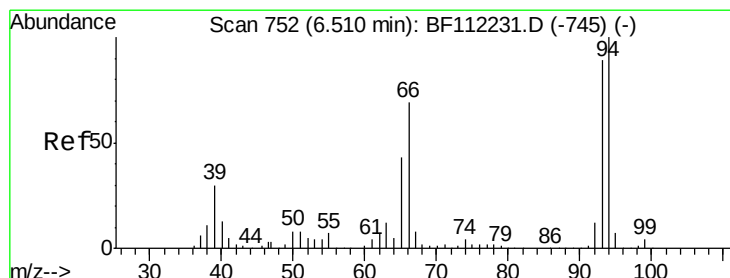
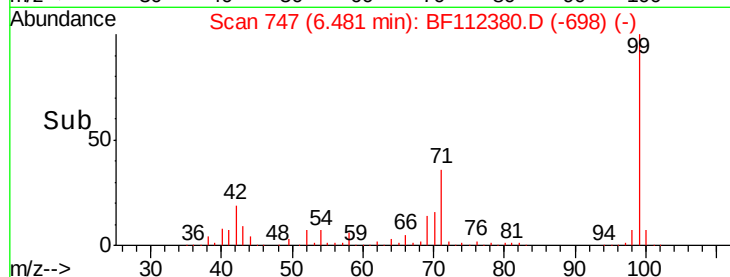
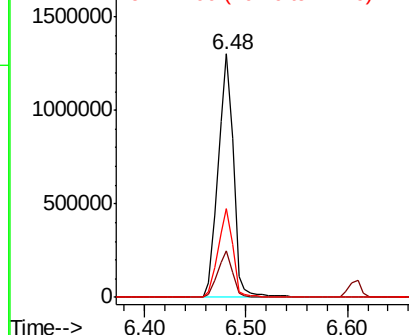
99 100

42 19.3 15.1 22.7

71 36.3 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



#10

Phenol

Concen: 2.314 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112380.D

Acq: 4 Feb 2019 15:19

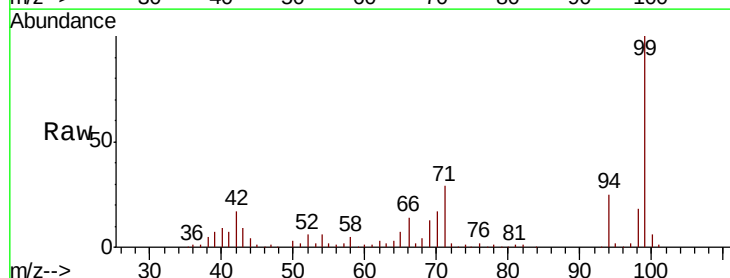
Tgt Ion: 94 Resp: 23843

Ion Ratio Lower Upper

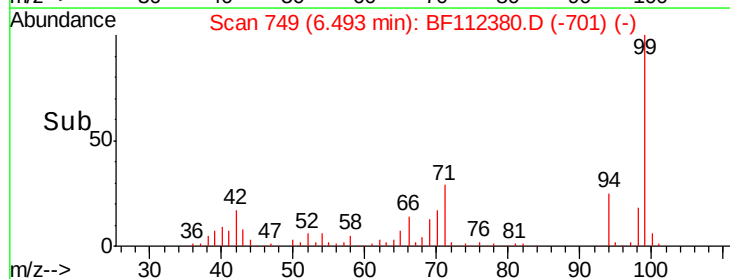
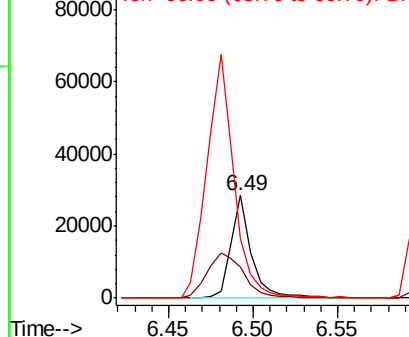
94 100

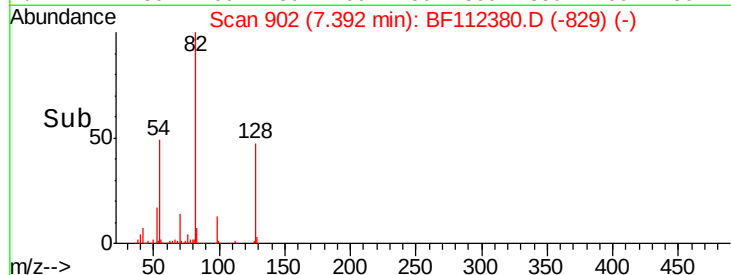
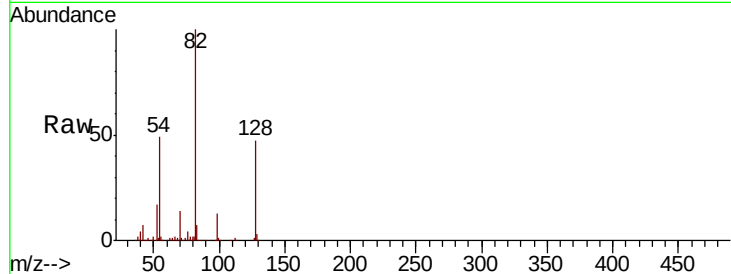
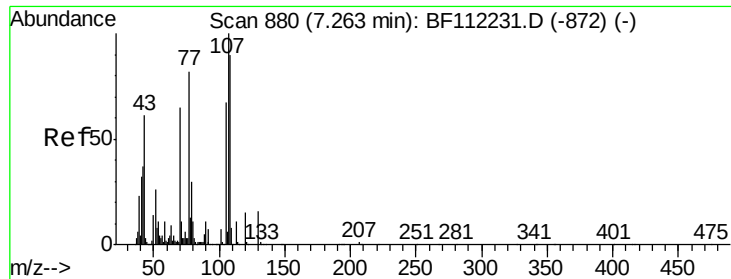
65 30.0 20.3 60.3

66 57.4 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

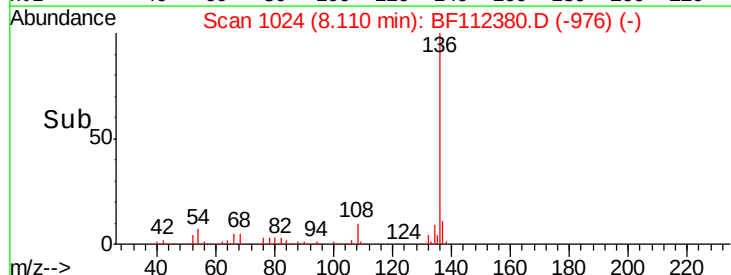
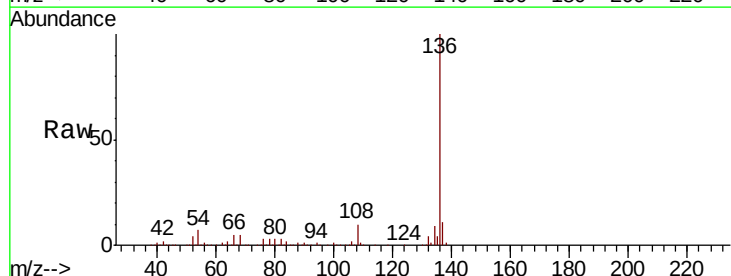
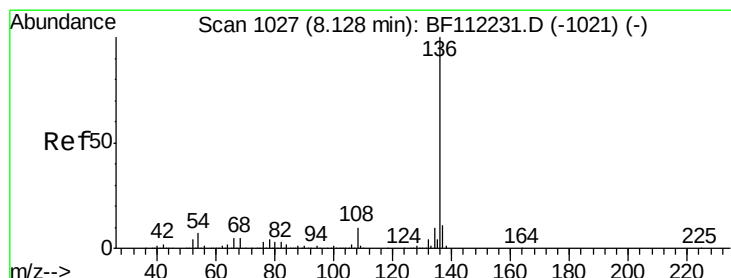
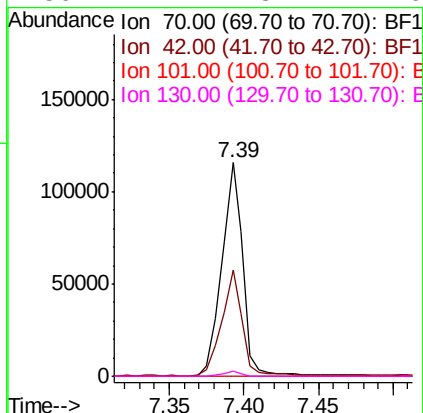




#19
n-Nitroso-di-n-propylamine
Concen: 17.915 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

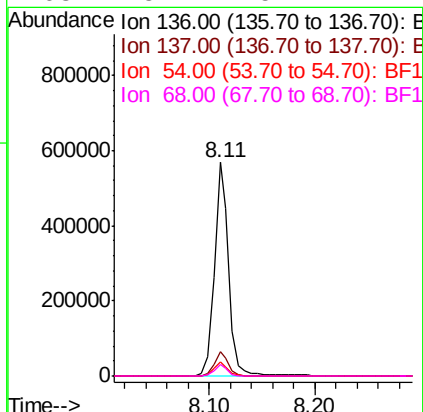
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

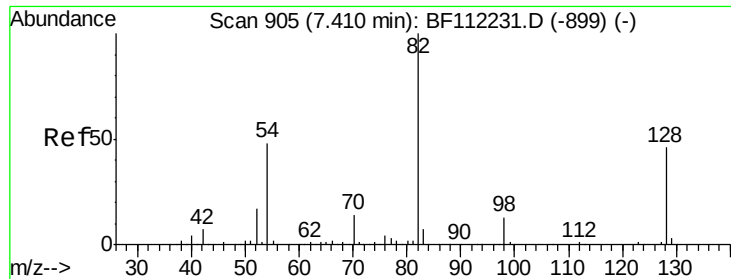
Tot Ion:	70	Resp:	116020
Ion	Ratio	Lower	Upper
70	100		
42	50.0	47.6	71.4
101	0.0	7.9	11.9#
130	2.2	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

Tgt Ion:	136	Resp:	544618
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.6	5.9	8.9
68	5.1	5.1	7.7

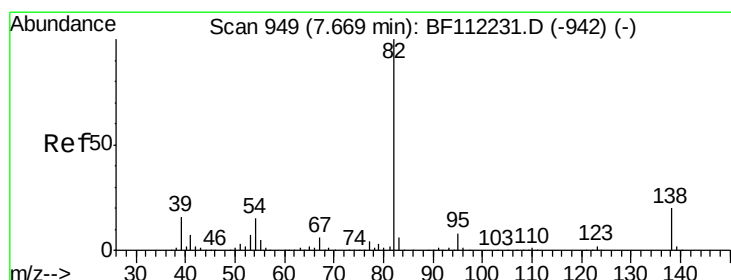
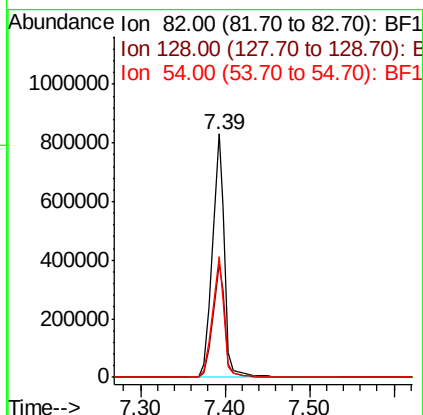
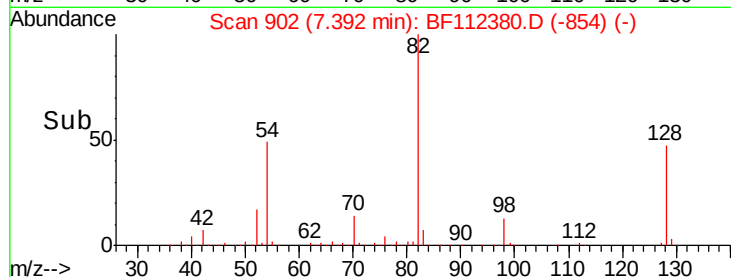
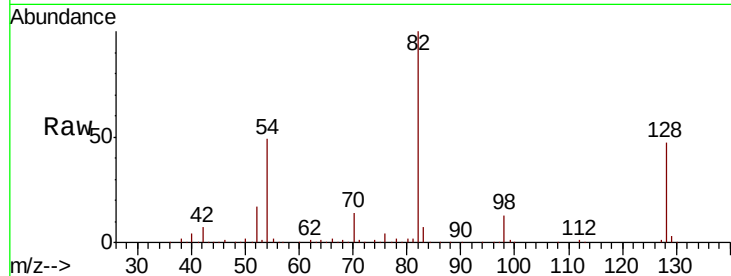




#23
Nitrobenzene-d5
Concen: 90.614 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

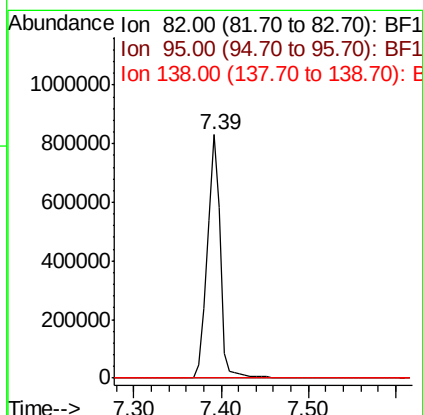
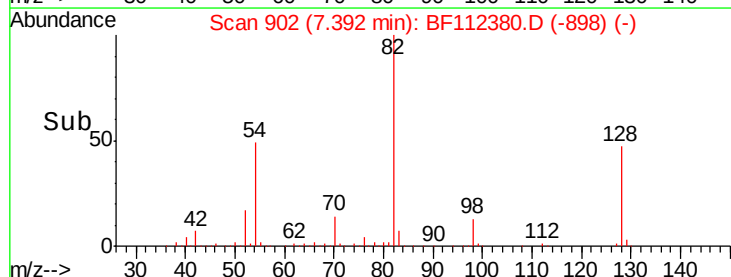
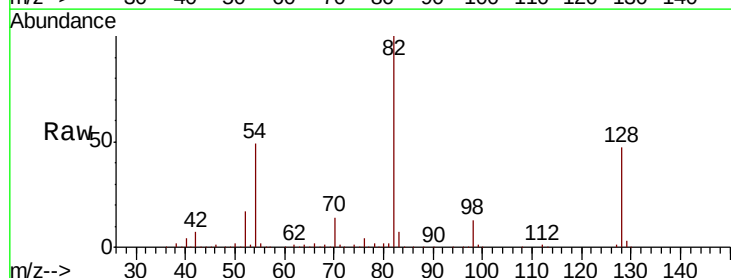
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

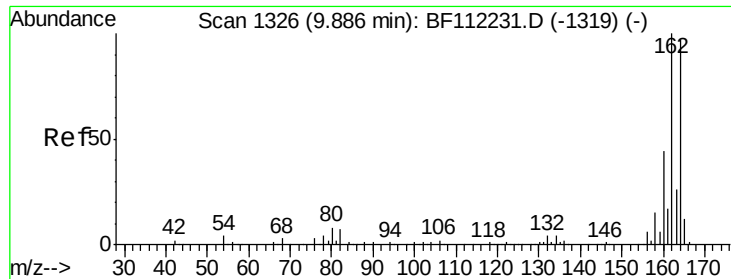
Tot Ion: 82 Resp: 856475
Ion Ratio Lower Upper
82 100
128 46.6 37.8 56.8
54 49.4 39.7 59.5



#25
Isophorone
Concen: 57.760 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

Tgt Ion: 82 Resp: 856469
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112380.D

Acq: 4 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

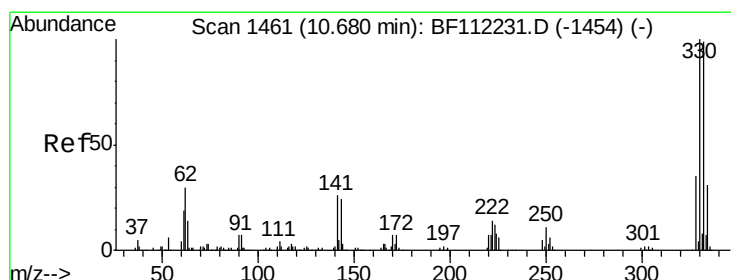
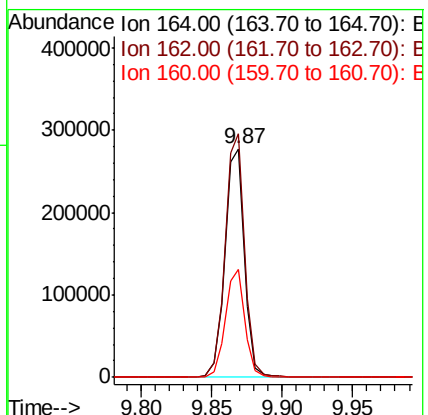
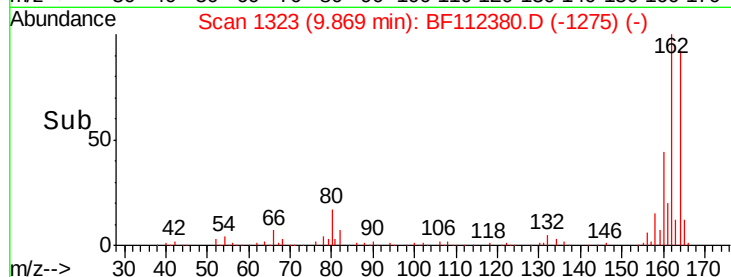
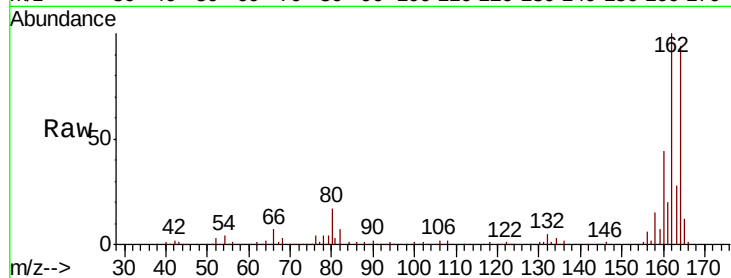
Tot Ion:164 Resp: 265385

Ion Ratio Lower Upper

164 100

162 106.4 82.2 123.4

160 46.9 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 136.779 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112380.D

Acq: 4 Feb 2019 15:19

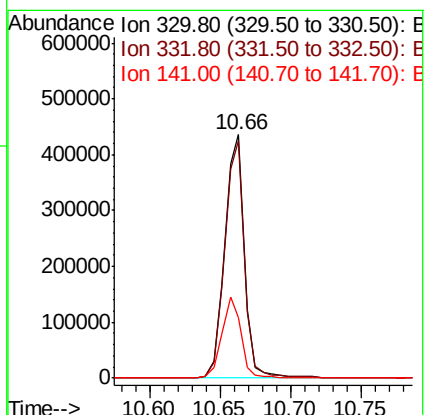
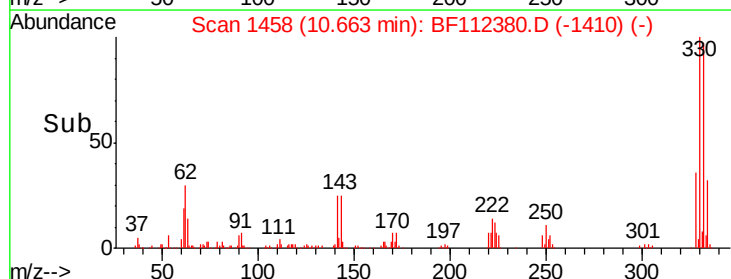
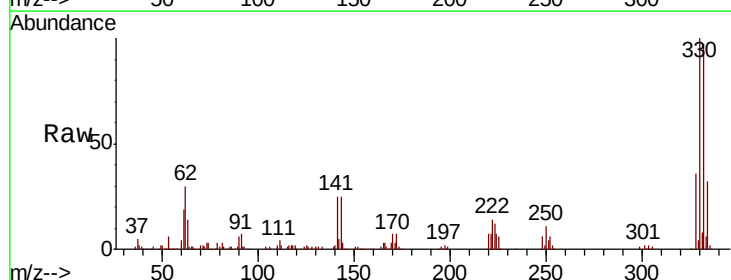
Tgt Ion:330 Resp: 422512

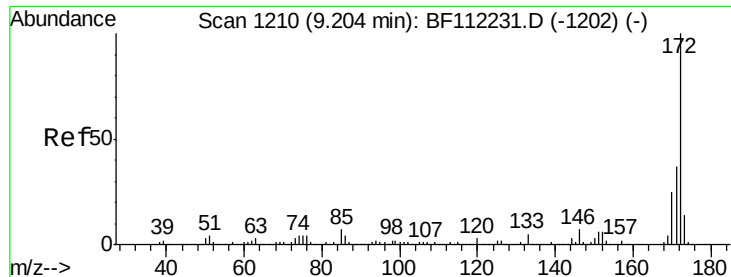
Ion Ratio Lower Upper

330 100

332 98.2 76.6 114.8

141 32.4 24.3 36.5

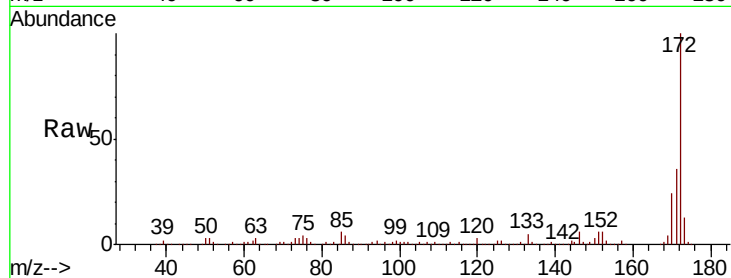




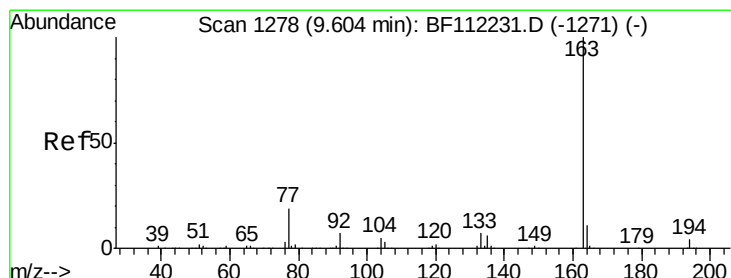
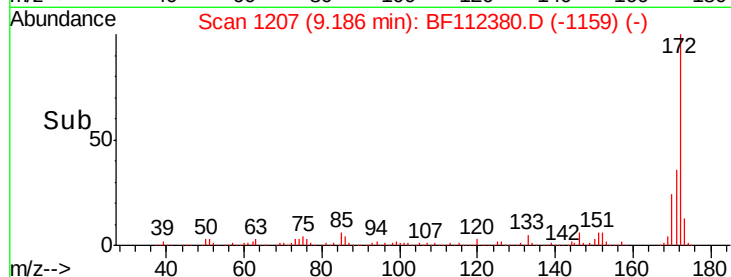
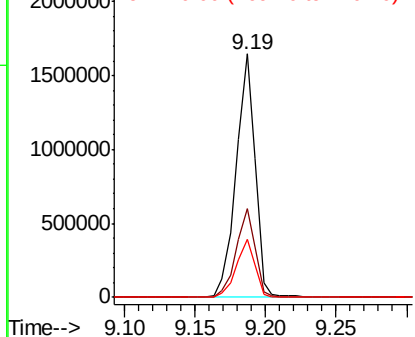
#45
2-Fluorobiphenyl
Concen: 82.921 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:172 Resp: 1555919
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 24.1 20.2 30.4

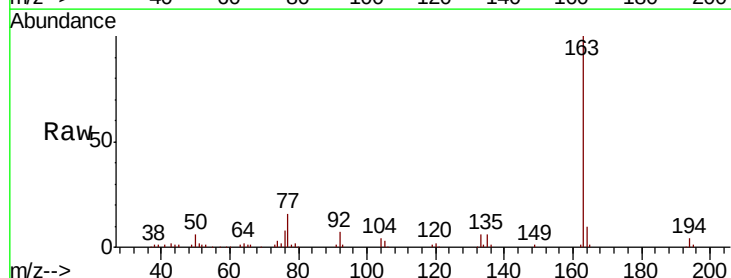


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

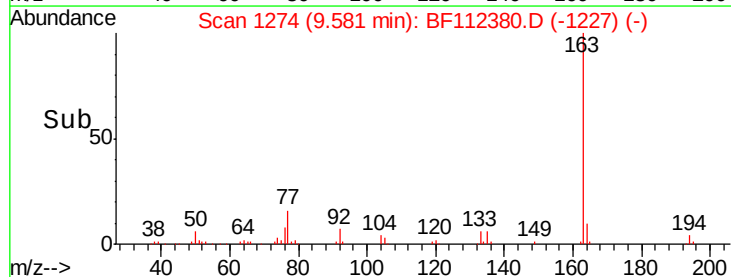
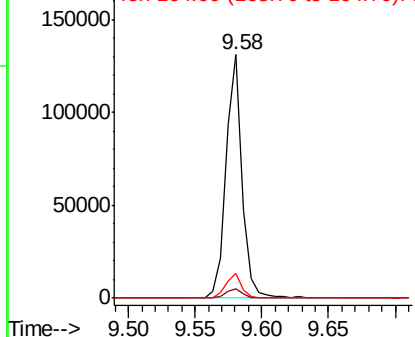


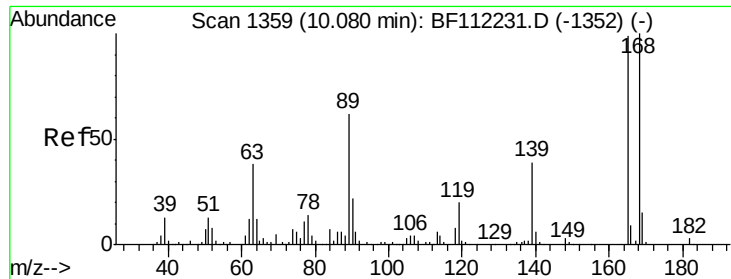
#50
Dimethylphthalate
Concen: 5.416 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

Tgt Ion:163 Resp: 111680
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.0 8.5 12.7



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





#57

2,4-Dinitrotoluene

Concen: 5.786 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112380.D

Acq: 4 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

Tot Ion:165 Resp: 34015

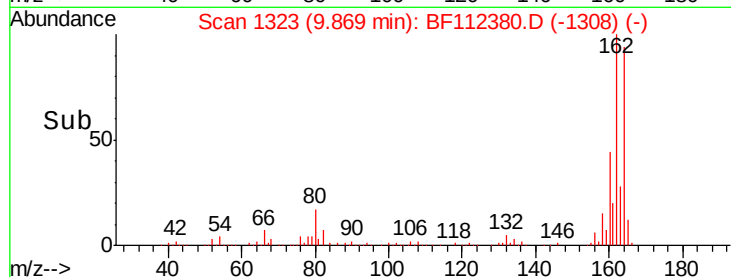
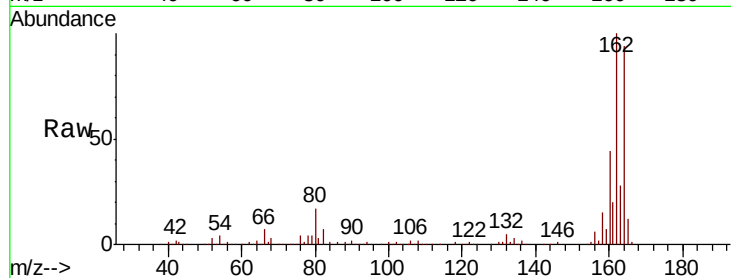
Ion Ratio Lower Upper

165 100

63 1.3 27.9 41.9#

89 2.0 47.9 71.9#

182 0.0 2.2 3.4#

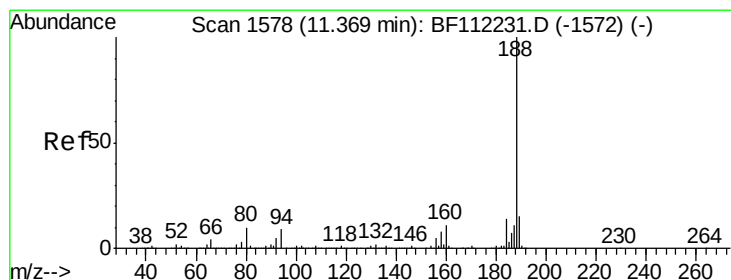
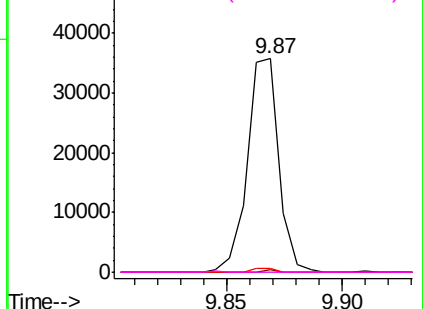


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112380.D

Acq: 4 Feb 2019 15:19

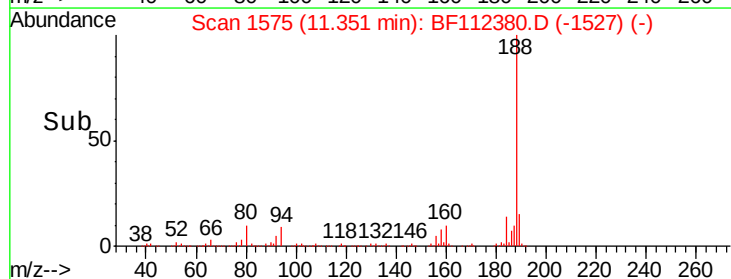
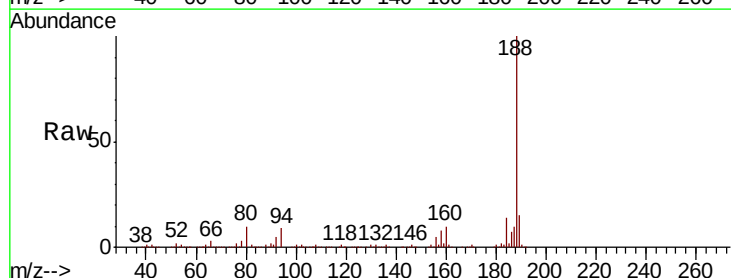
Tgt Ion:188 Resp: 526844

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

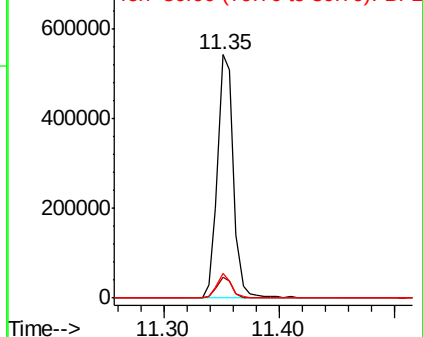
80 9.9 8.9 13.3

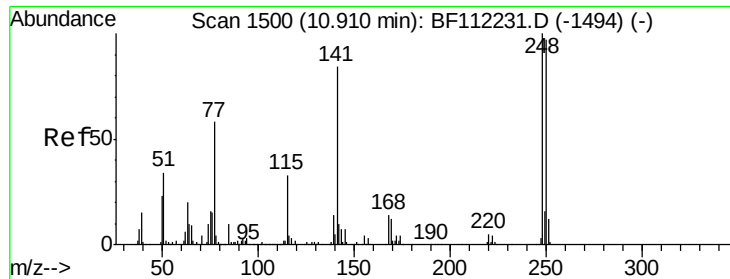


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

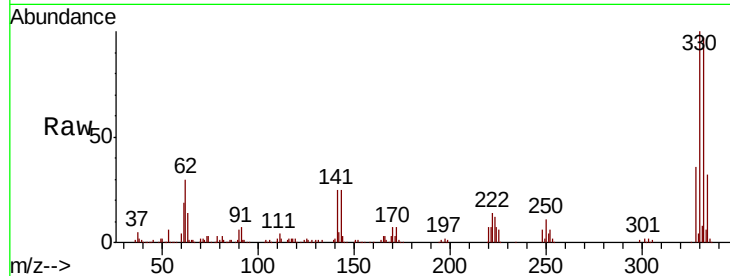




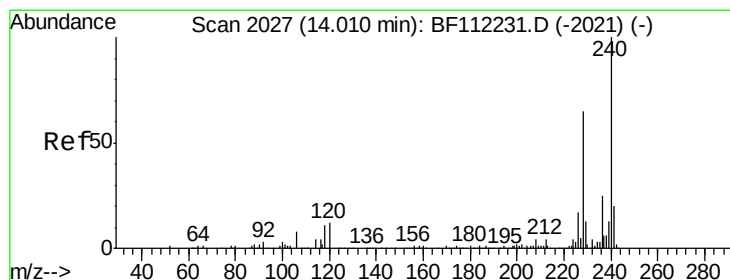
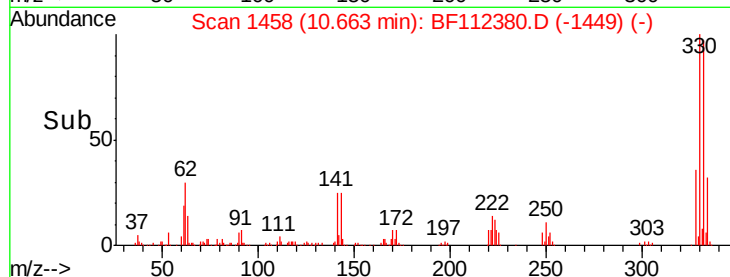
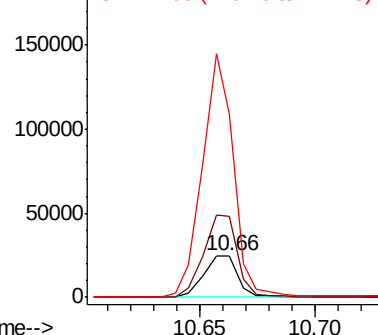
#67
4-Bromophenyl-phenylether
Concen: 4.086 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:248 Resp: 25321
Ion Ratio Lower Upper
248 100
250 194.6 79.7 119.5#
141 438.2 60.3 90.5#

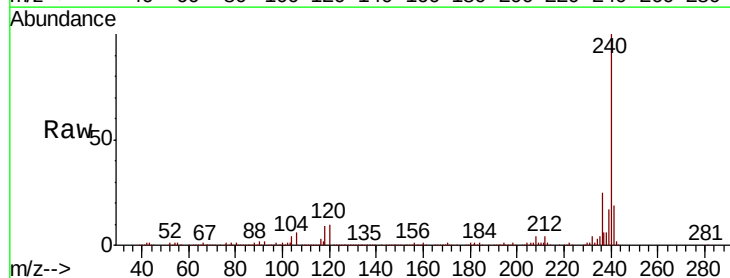


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

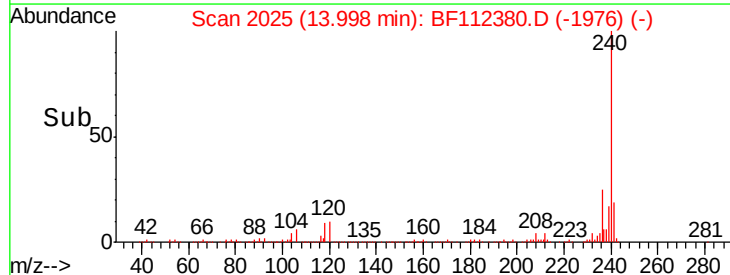
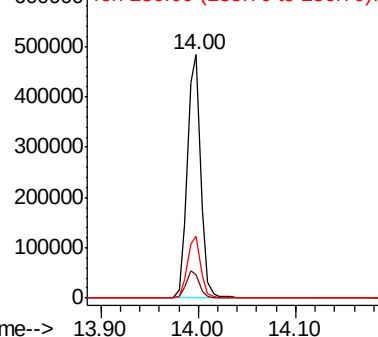


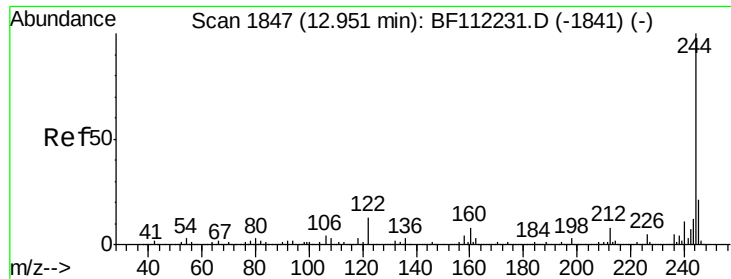
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112380.D
Acq: 4 Feb 2019 15:19

Tgt Ion:240 Resp: 461478
Ion Ratio Lower Upper
240 100
120 9.7 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





#79

Terphenyl-d14

Concen: 69.665 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112380.D

Acq: 4 Feb 2019 15:19

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

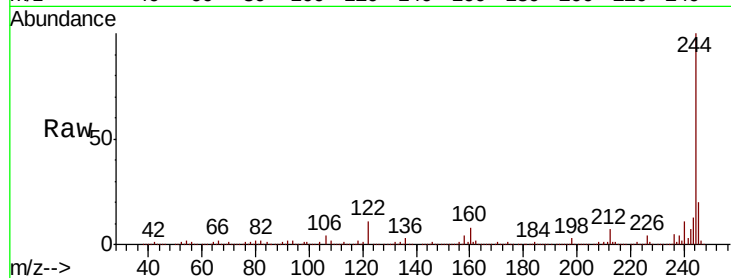
Tot Ion:244 Resp: 1706929

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

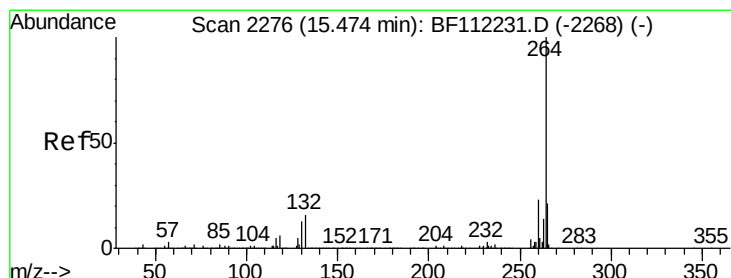
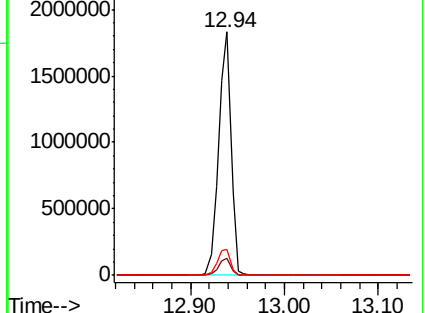
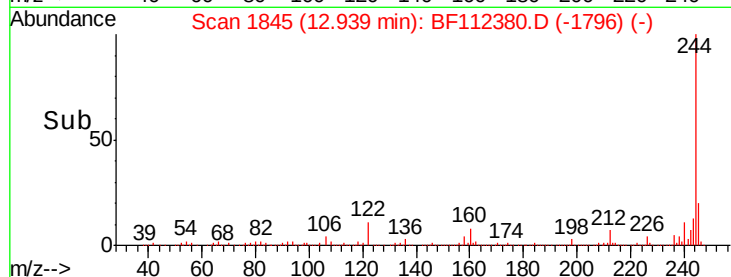
122 10.8 9.8 14.6



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: BF112380.D

Acq: 4 Feb 2019 15:19

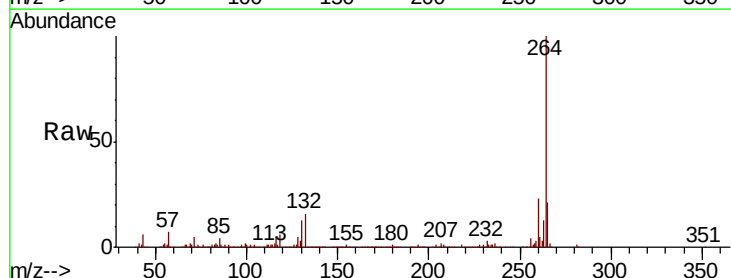
Tgt Ion:264 Resp: 354360

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 20.9 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

