

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022119\
 Data File : BF112656.D
 Acq On : 21 Feb 2019 16:50
 Operator : JU/SJ
 Sample : K1527-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Feb 22 02:48:52 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	6.82	152	78576	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	304257	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	142513	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	260001	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	162670	20.00	ng	-0.01
87) Perylene-d12	15.47	264	160913	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	600615	162.36	ng	-0.01
7) Phenol-d6	6.47	99	657514	127.91	ng	-0.02
23) Nitrobenzene-d5	7.39	82	534650	101.25	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	245024	147.71	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1034681	102.68	ng	-0.03
79) Terphenyl-d14	12.93	244	934146	108.16	ng	-0.02

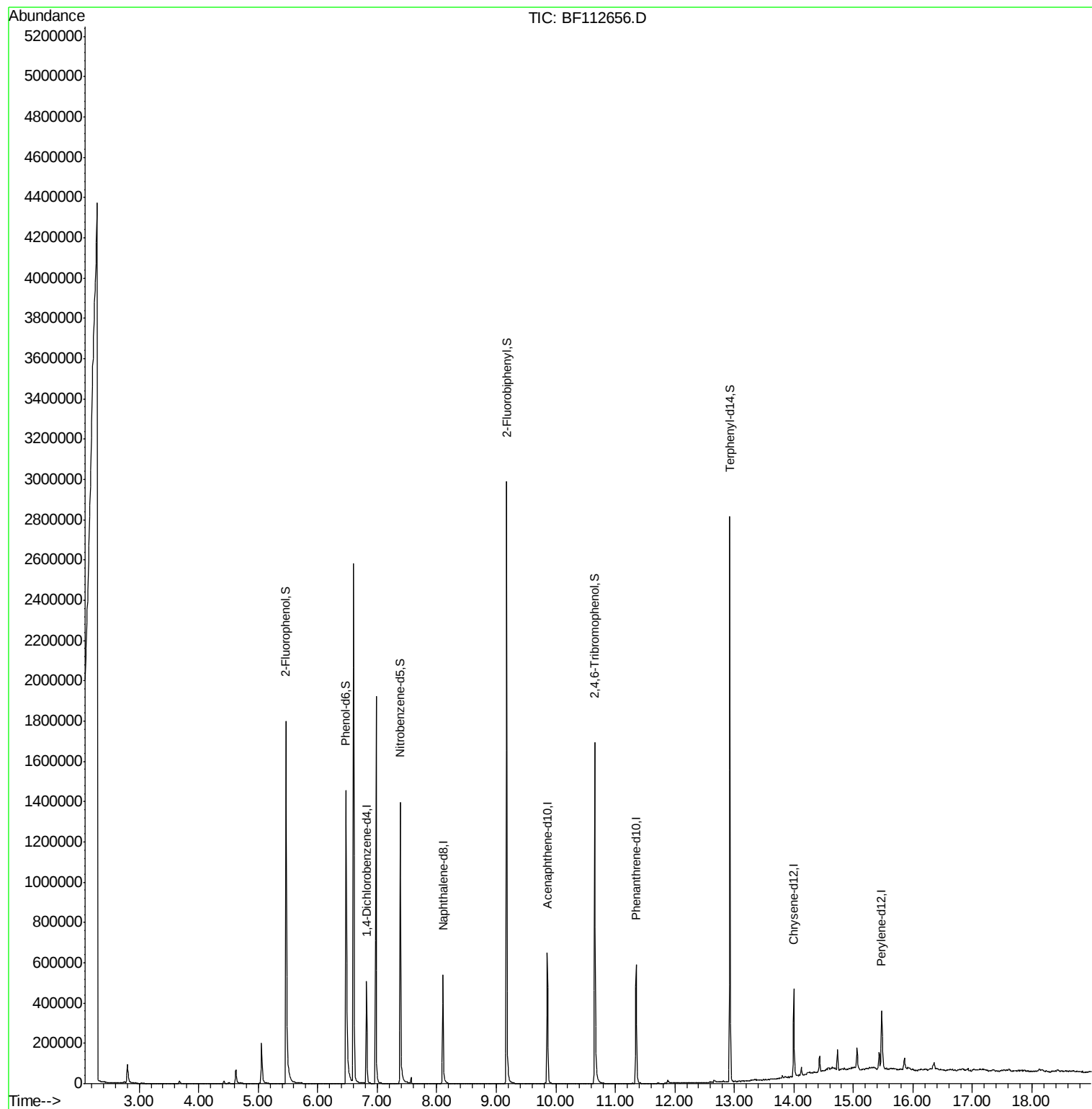
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.02 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

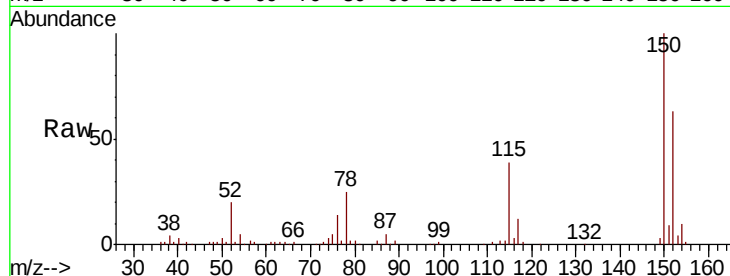
Tot Ion:152 Resp: 78576

Ion Ratio Lower Upper

152 100

150 158.6 127.4 191.0

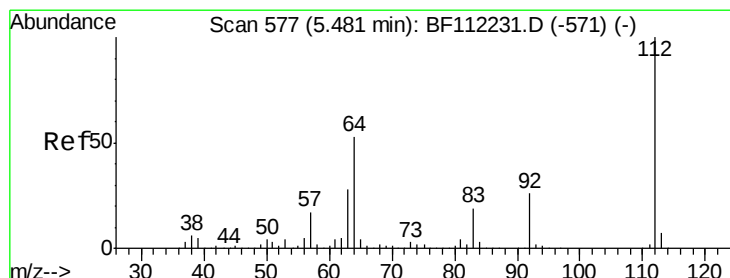
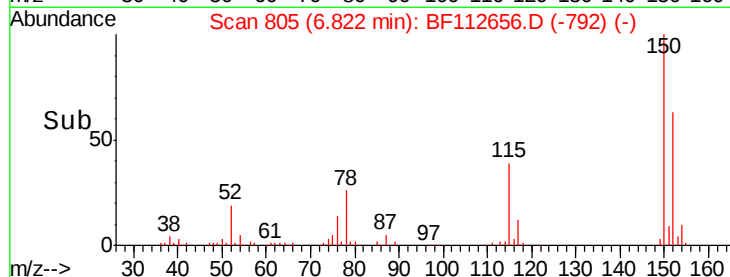
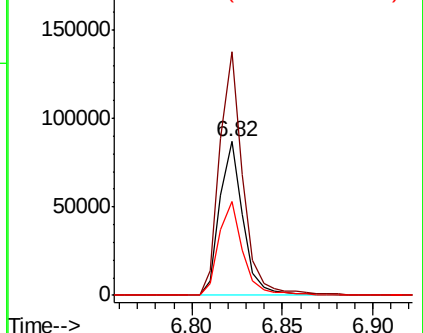
115 61.5 45.5 68.3



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: 162.358 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

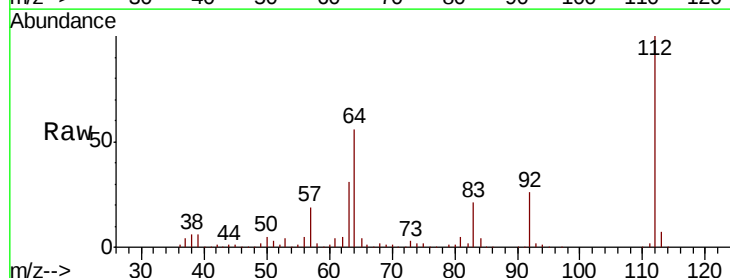
Tgt Ion:112 Resp: 600615

Ion Ratio Lower Upper

112 100

64 55.7 45.7 68.5

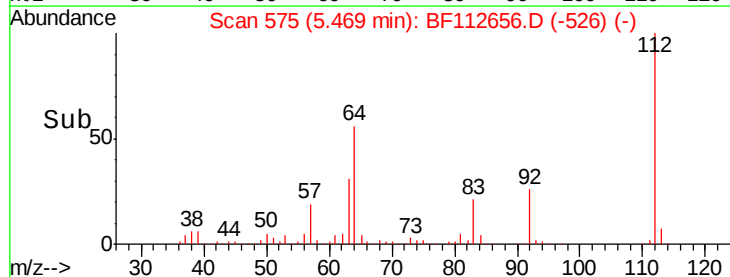
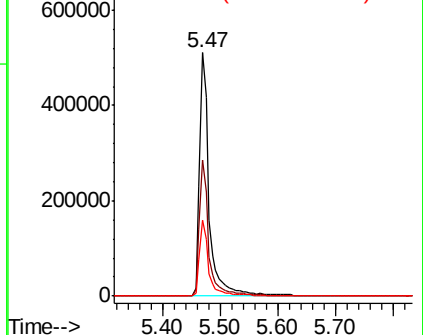
63 31.4 23.6 35.4



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: 127.911 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

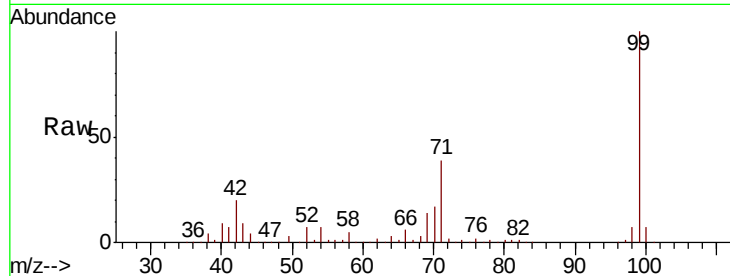
Tot Ion: 99 Resp: 657514

Ion Ratio Lower Upper

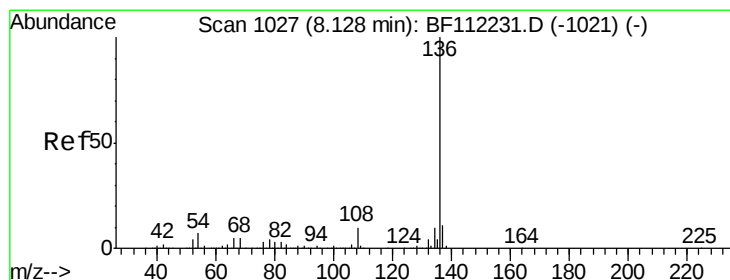
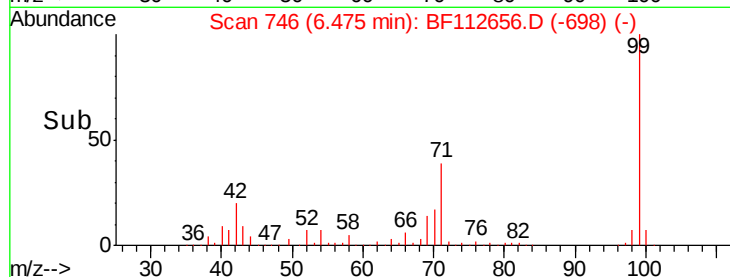
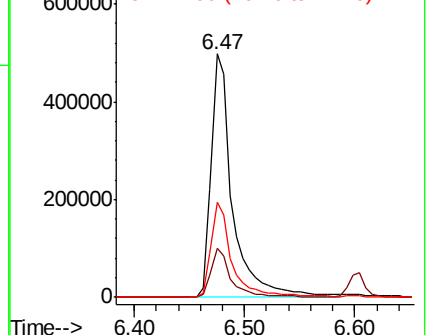
99 100

42 20.1 15.1 22.7

71 38.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

Tgt Ion: 136 Resp: 304257

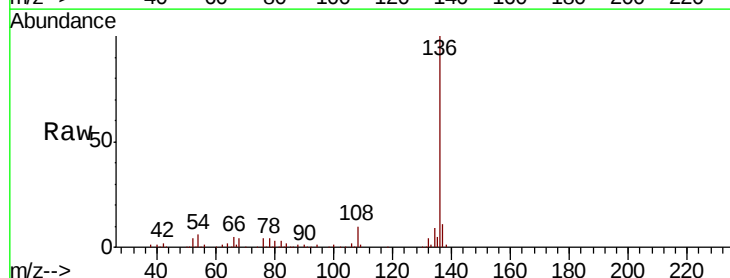
Ion Ratio Lower Upper

136 100

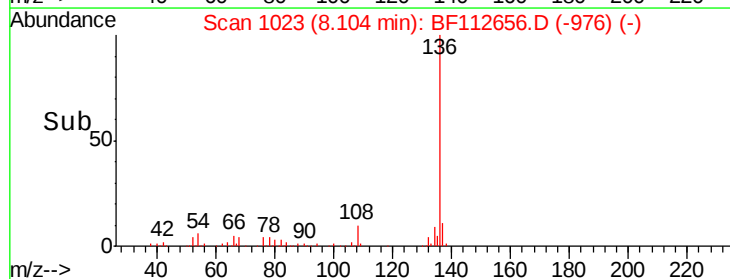
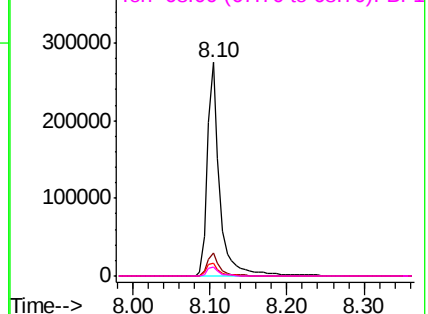
137 10.5 9.1 13.7

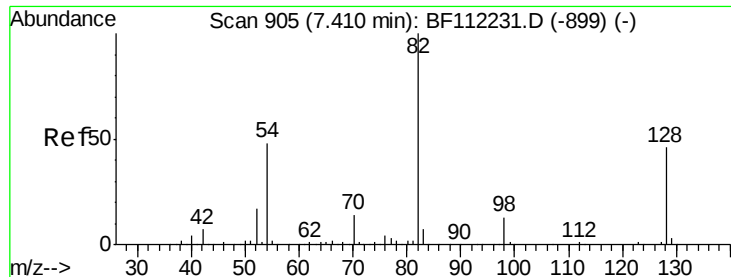
54 6.2 5.9 8.9

68 4.5 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: 101.251 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

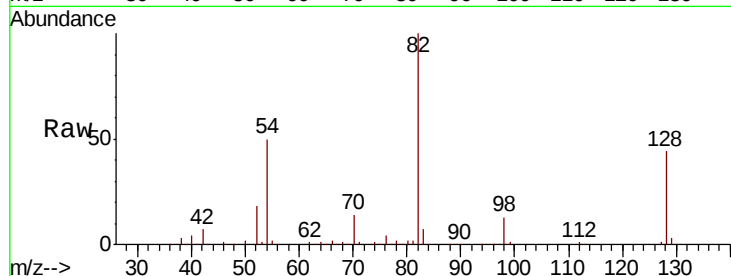
Tot Ion: 82 Resp: 534650

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

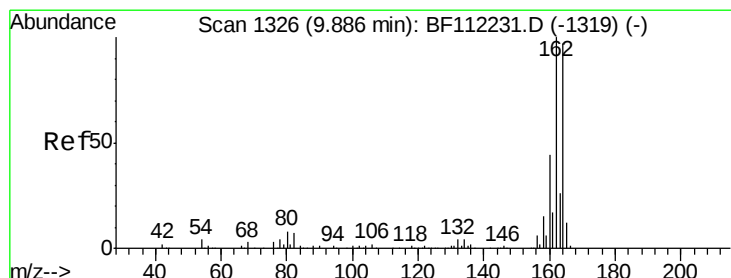
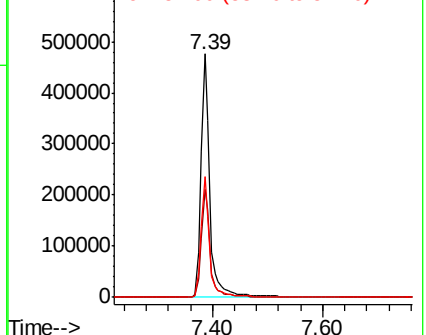
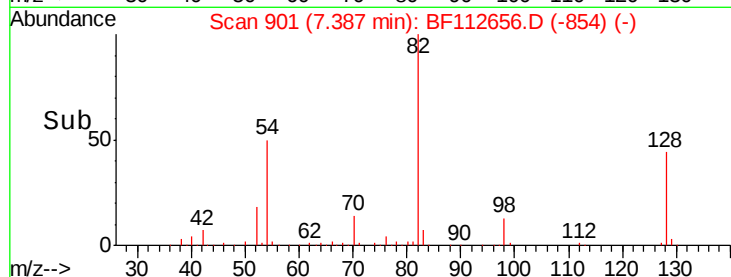
54 49.7 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

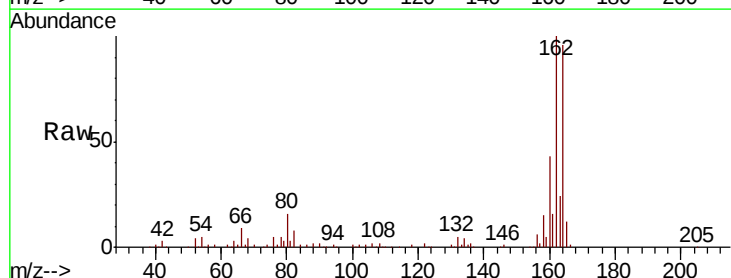
Tgt Ion:164 Resp: 142513

Ion Ratio Lower Upper

164 100

162 104.0 82.2 123.4

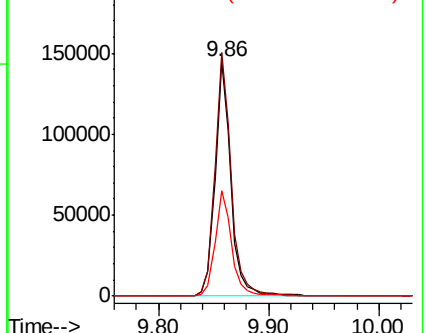
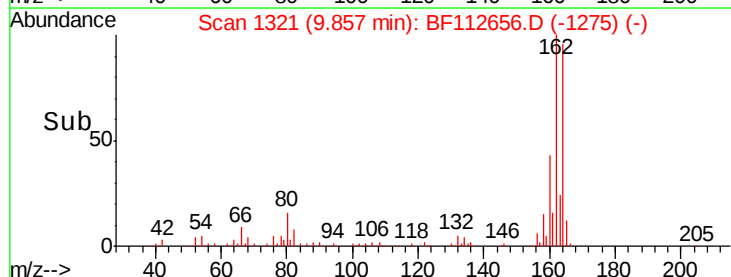
160 45.2 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

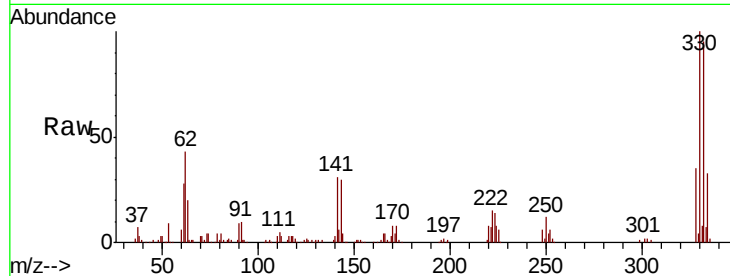




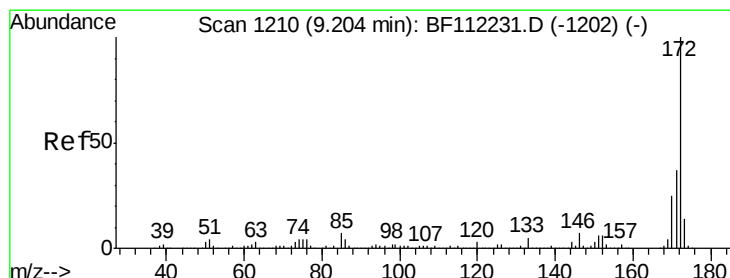
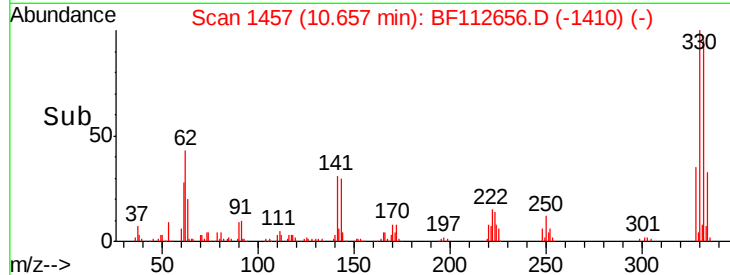
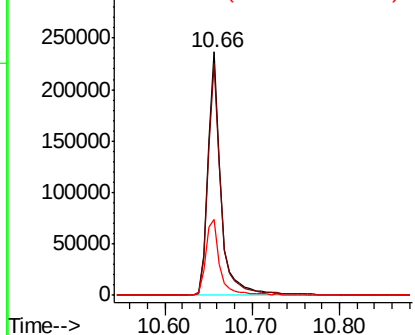
#42
 2,4,6-Tribromophenol
 Concen: 147.711 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF112656.D
 Acq: 21 Feb 2019 16:50

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	114.8
141	34.2	24.3	36.5

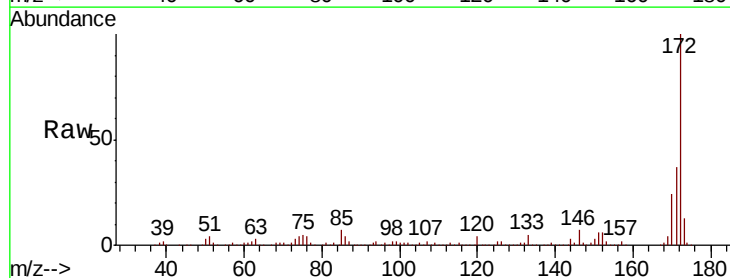


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

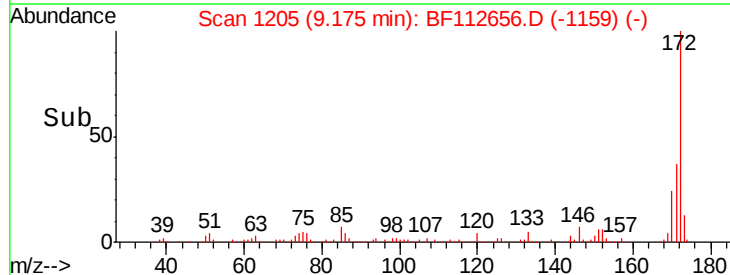
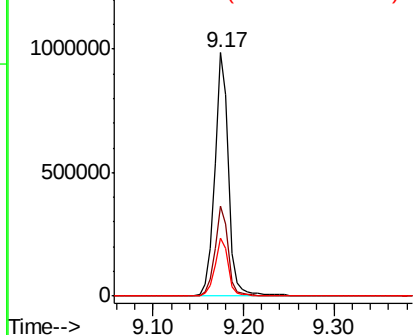


#45
 2-Fluorobiphenyl
 Concen: 102.684 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF112656.D
 Acq: 21 Feb 2019 16:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	23.7	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

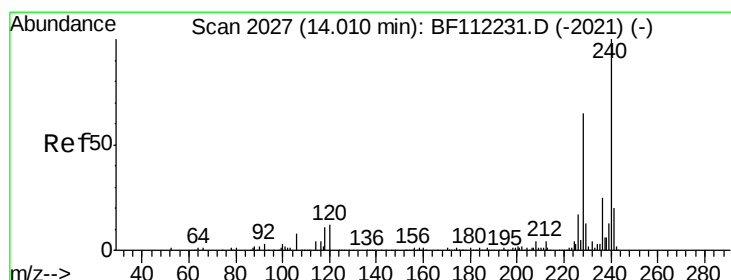
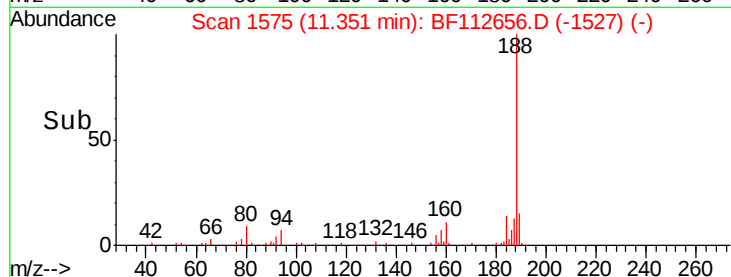
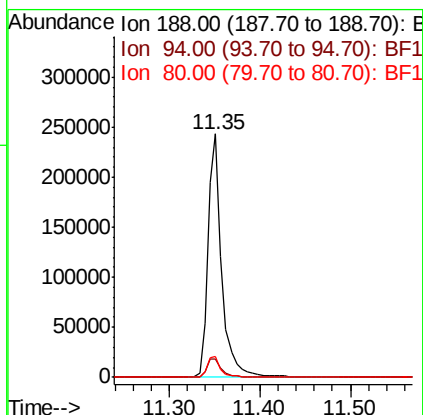
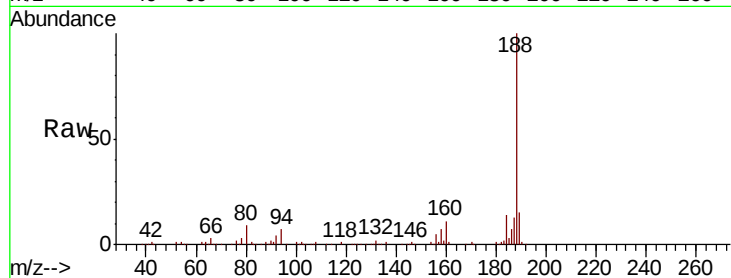




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112656.D
Acq: 21 Feb 2019 16:50

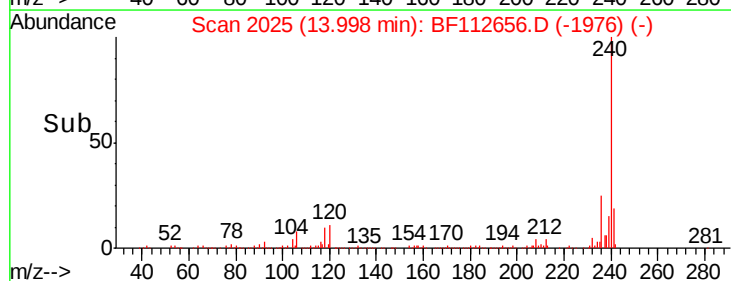
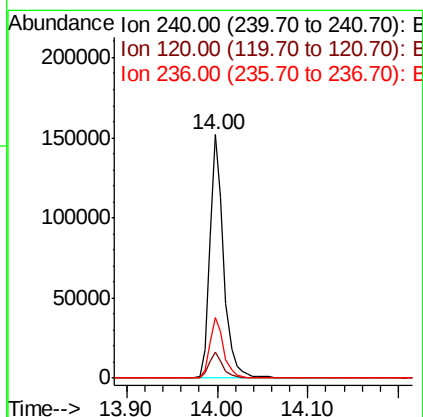
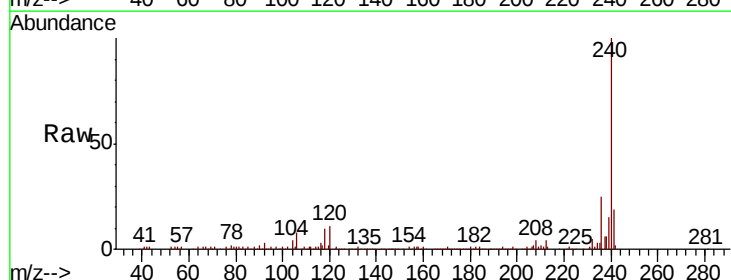
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:188 Resp: 260001
Ion Ratio Lower Upper
188 100
94 7.4 8.2 12.2#
80 8.8 8.9 13.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112656.D
Acq: 21 Feb 2019 16:50

Tgt Ion:240 Resp: 162670
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.6
236 24.8 20.7 31.1





#79

Terphenyl-d14

Concen: 108.158 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

Instrument :

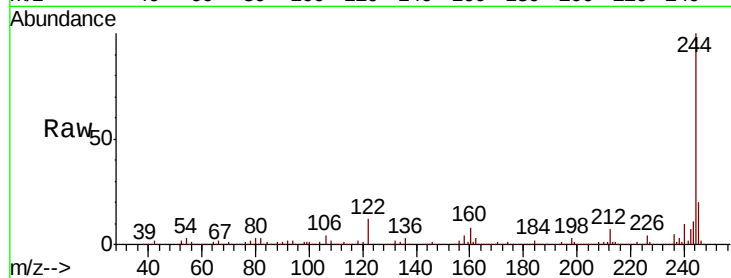
BNA_F

ClientSampled :

SOIL-PILE

Tot Ion:244 Resp: 934146

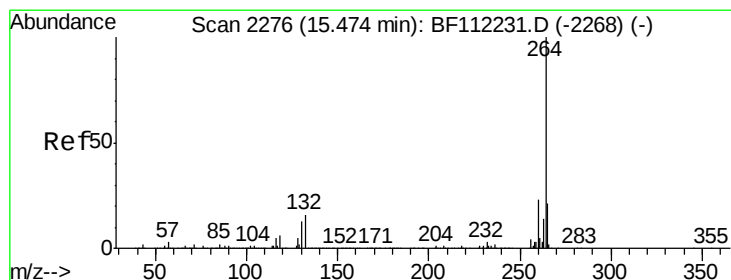
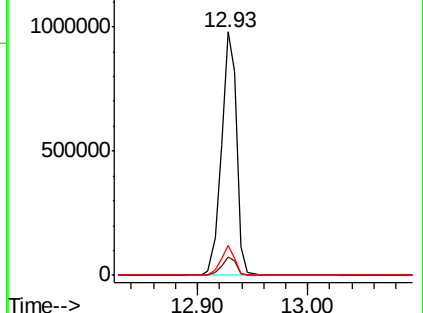
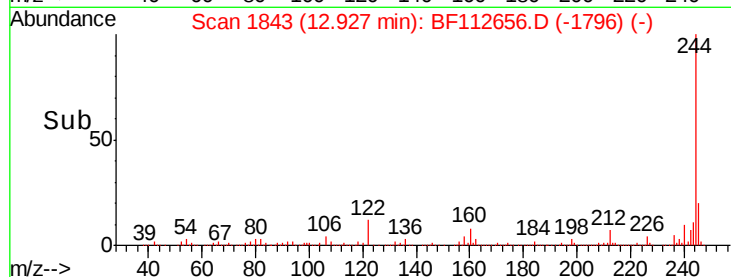
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	12.3	9.8	14.6



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: 15.47 min Scan# 2276

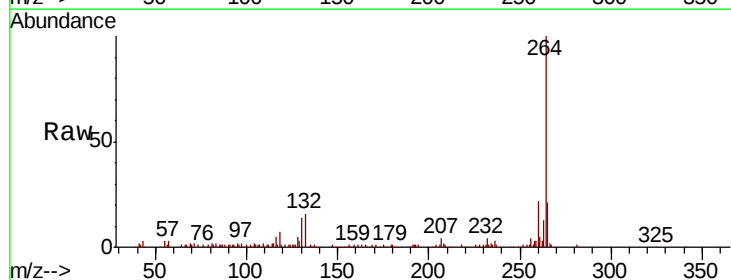
Delta R.T. 0.00 min

Lab File: BF112656.D

Acq: 21 Feb 2019 16:50

Tgt Ion:264 Resp: 160913

Ion	Ratio	Lower	Upper
264	100		
260	22.0	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

