

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 05 01:21:21 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

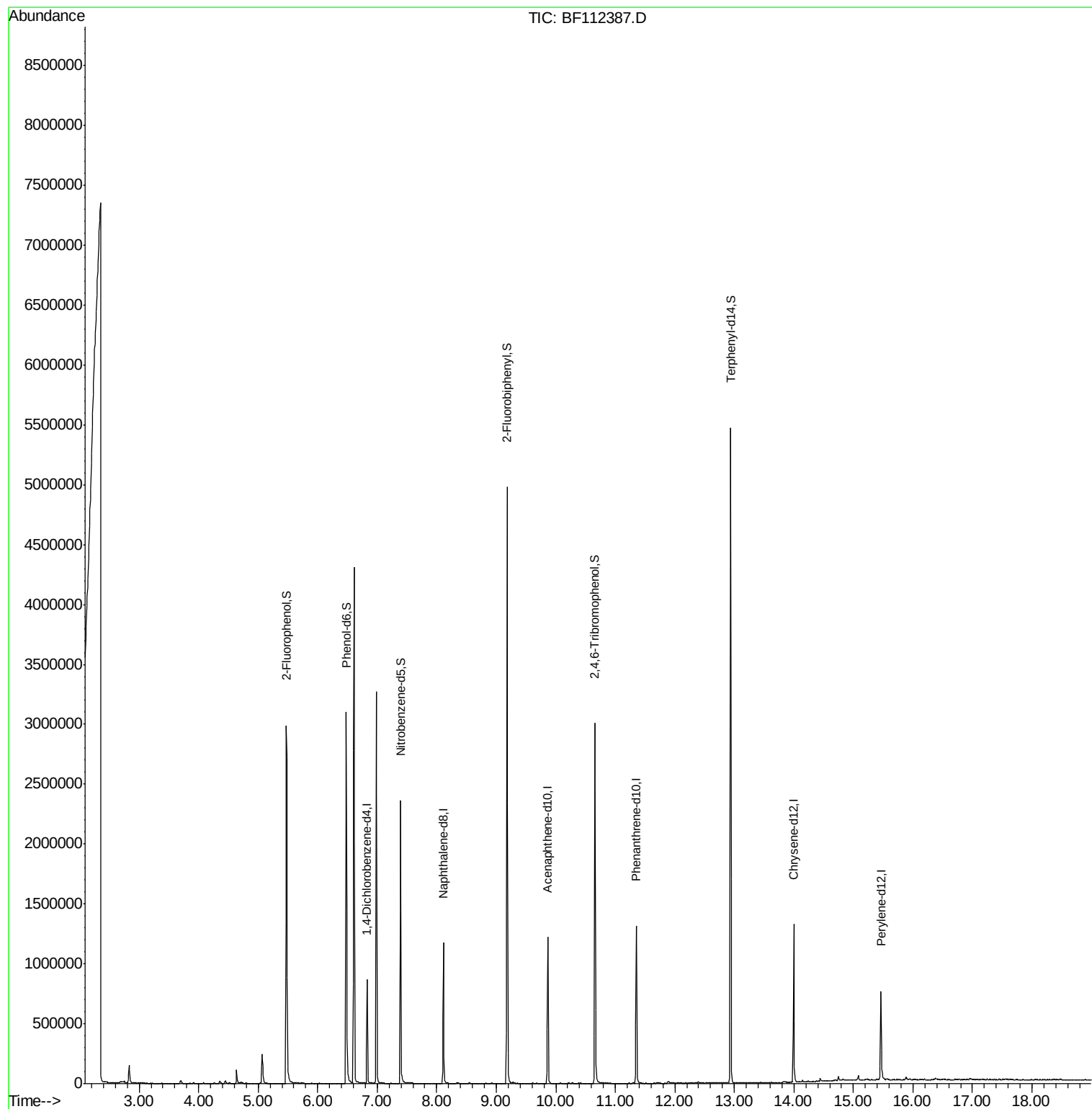
Target Compounds Qvalue

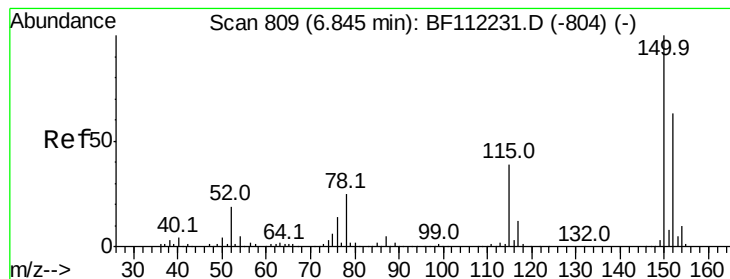
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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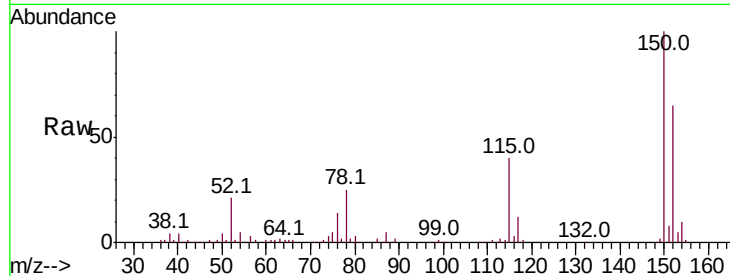


#1

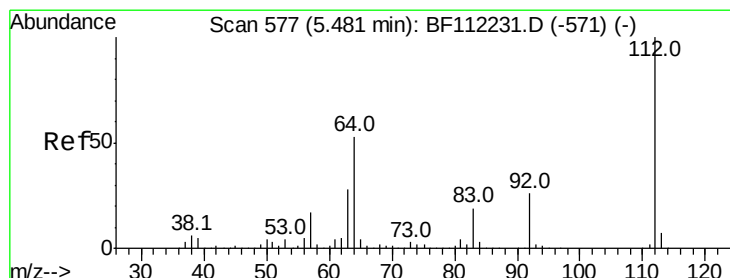
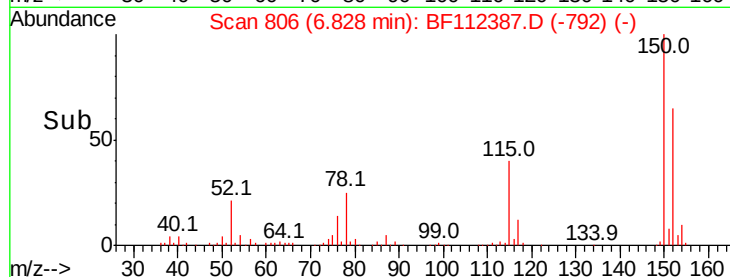
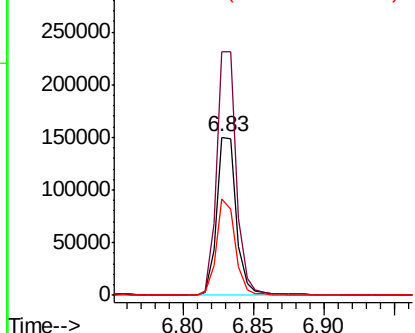
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

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



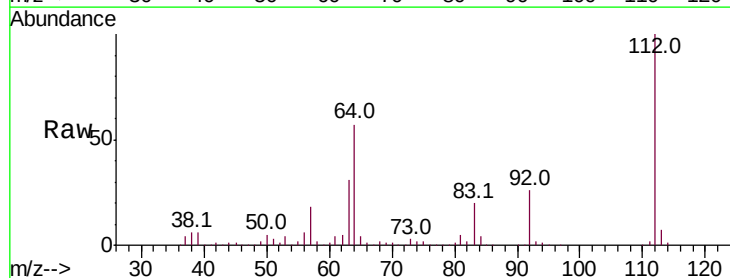
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



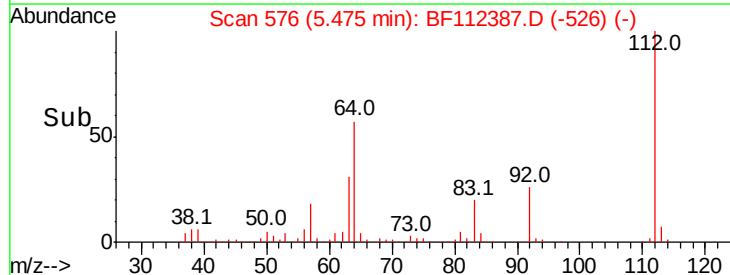
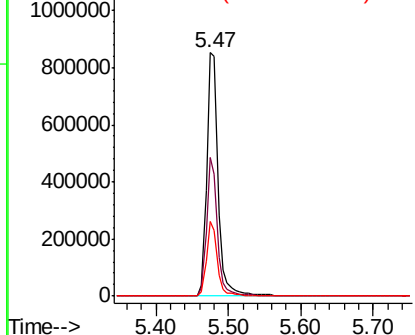
#5

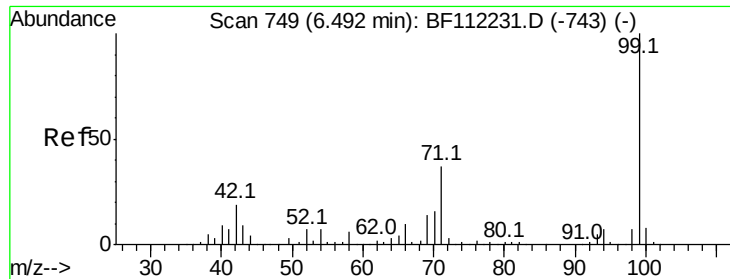
2-Fluorophenol
Concen: 135.991 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

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

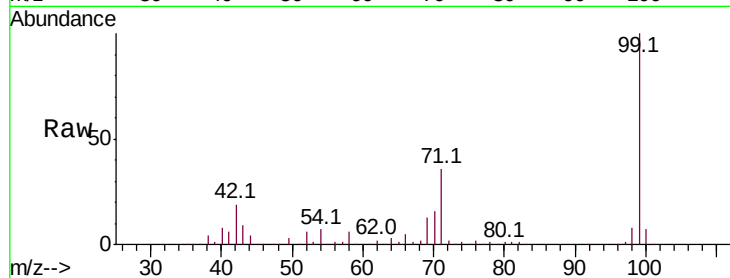
Tot Ion: 99 Resp: 1084148

Ion Ratio Lower Upper

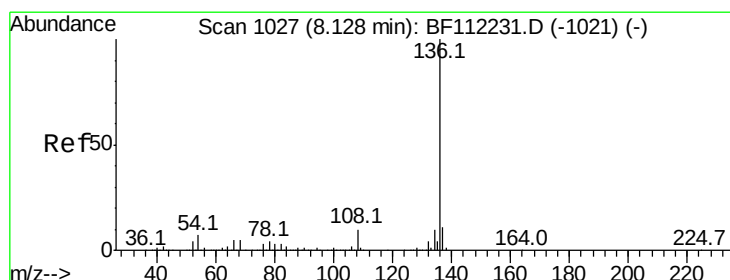
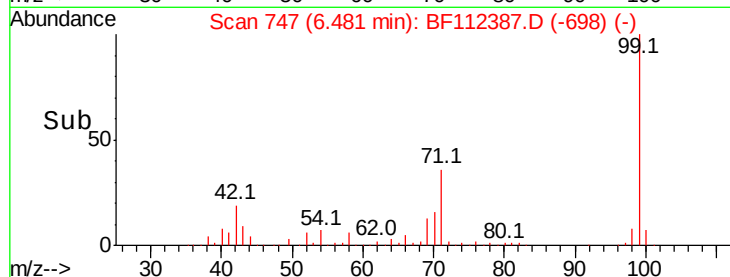
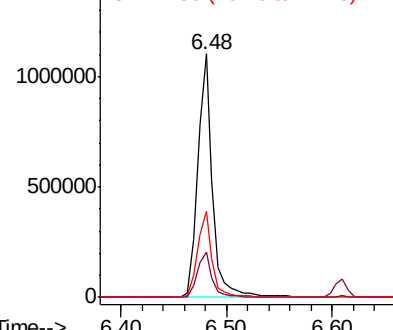
99 100

42 18.7 15.1 22.7

71 35.6 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
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: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112387.D

Acq: 4 Feb 2019 18:28

Tgt Ion:136 Resp: 556632

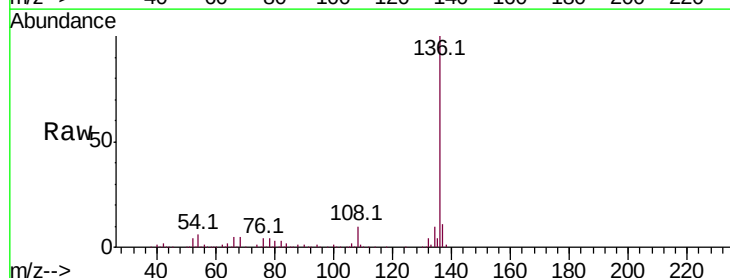
Ion Ratio Lower Upper

136 100

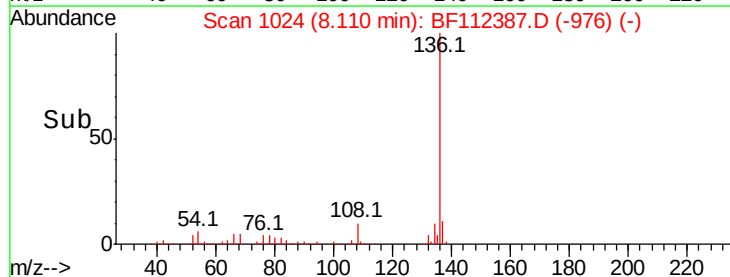
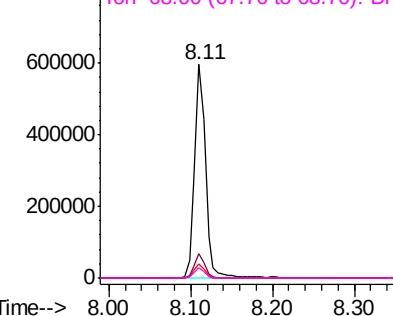
137 11.3 9.1 13.7

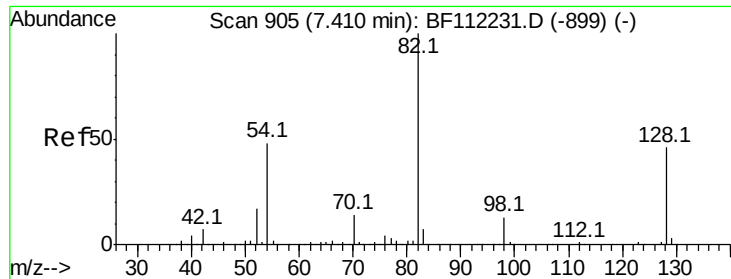
54 6.4 5.9 8.9

68 4.7 5.1 7.7#



Abundance Ion 136.00 (135.70 to 136.70): E
800000
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

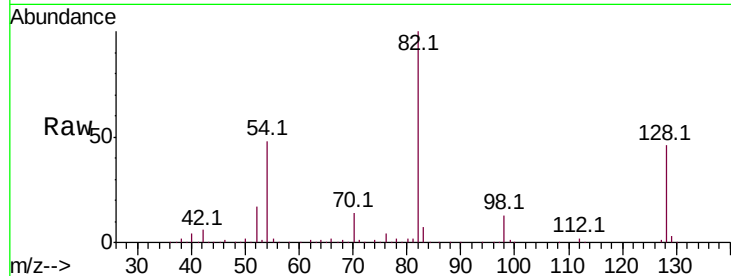




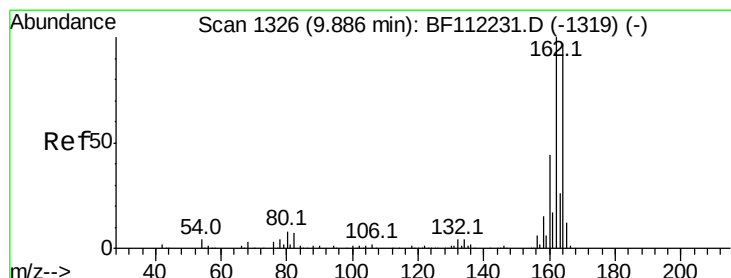
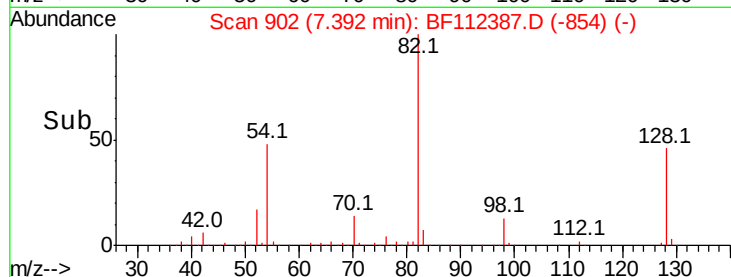
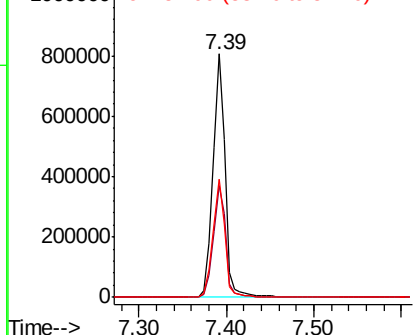
#23
 Nitrobenzene-d5
 Concen: 81.342 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.02 min
 Lab File: BF112387.D
 Acq: 4 Feb 2019 18:28

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion: 82 Resp: 785799
 Ion Ratio Lower Upper
 82 100
 128 46.1 37.8 56.8
 54 48.5 39.7 59.5

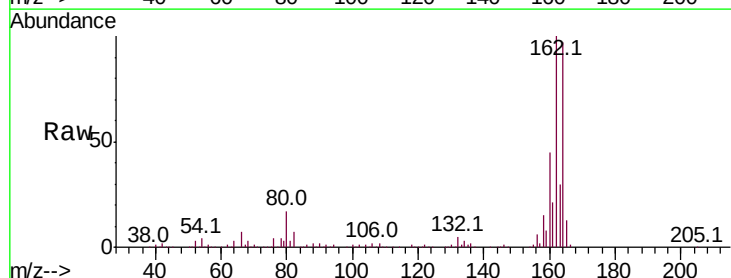


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

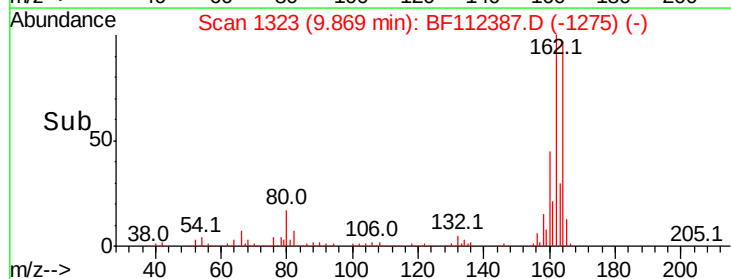
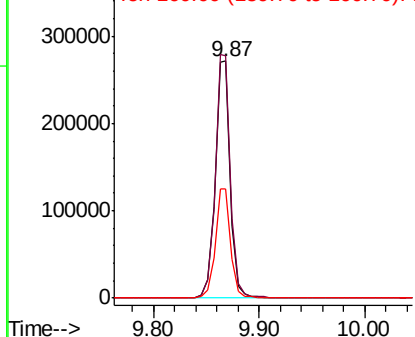


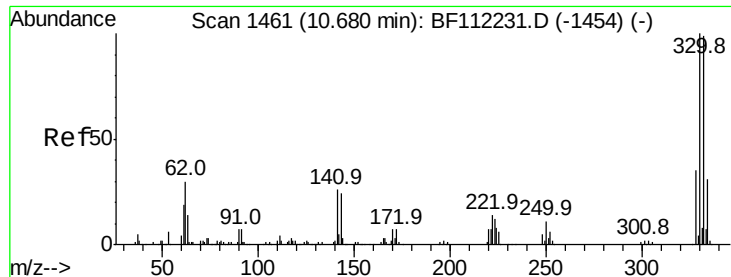
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112387.D
 Acq: 4 Feb 2019 18:28

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): 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: 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 :

BNA_F

ClientSampleId :

SOIL-PILE

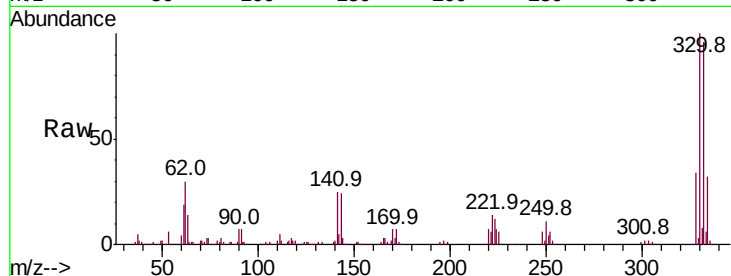
Tot Ion:330 Resp: 417921

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

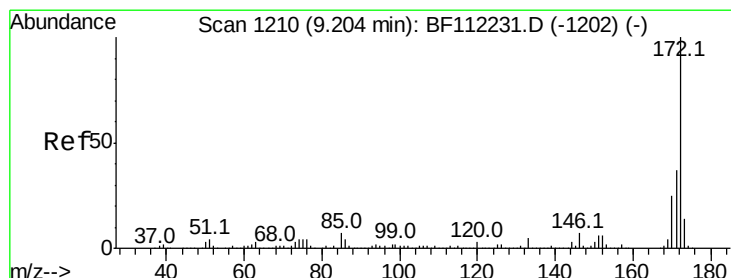
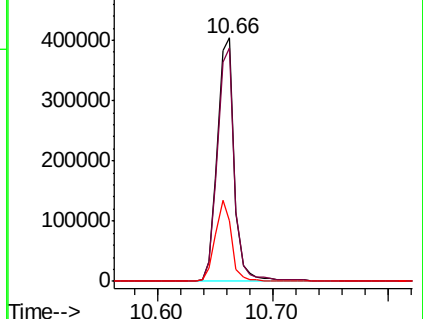
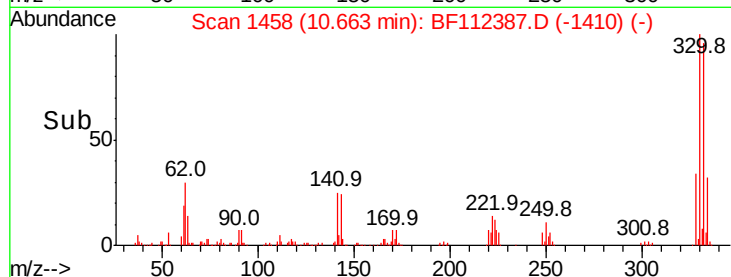
141 32.2 24.3 36.5



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

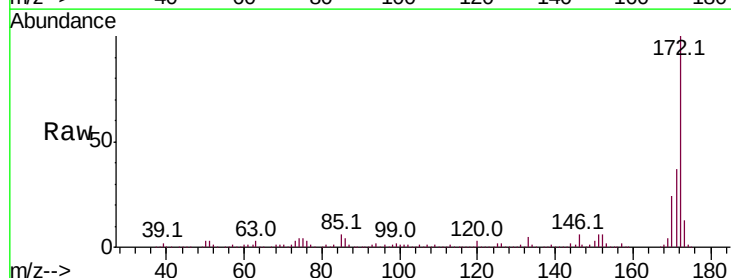
Tgt Ion:172 Resp: 1612827

Ion Ratio Lower Upper

172 100

171 36.6 30.5 45.7

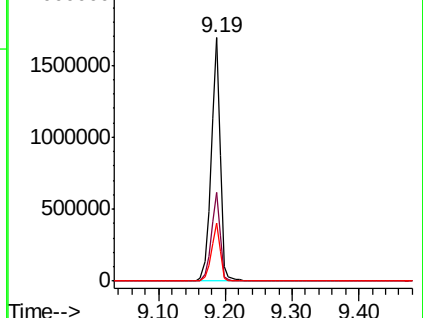
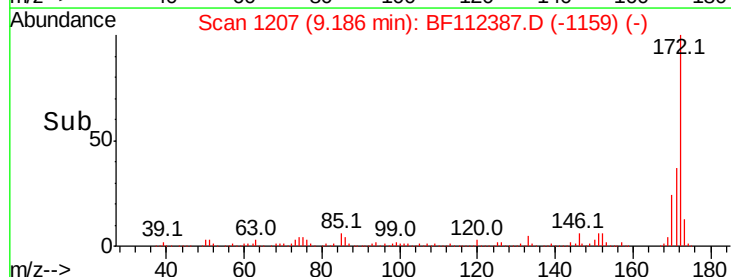
170 23.9 20.2 30.4

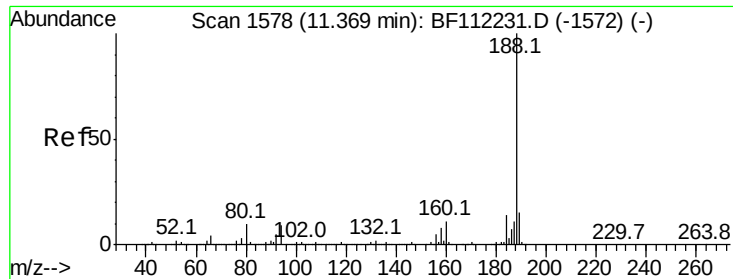


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

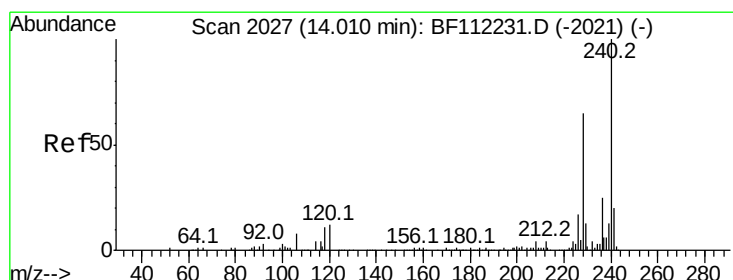
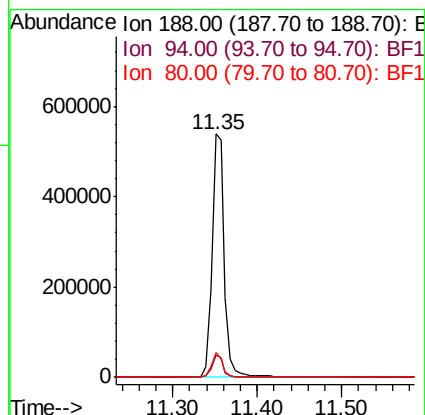
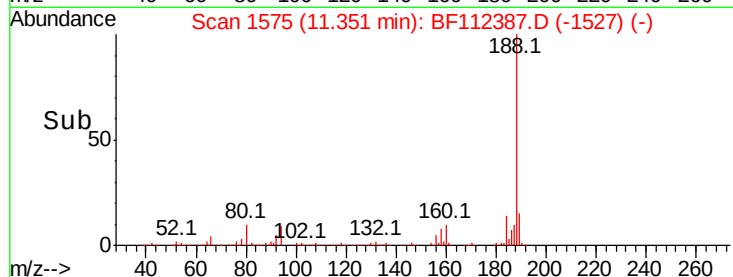
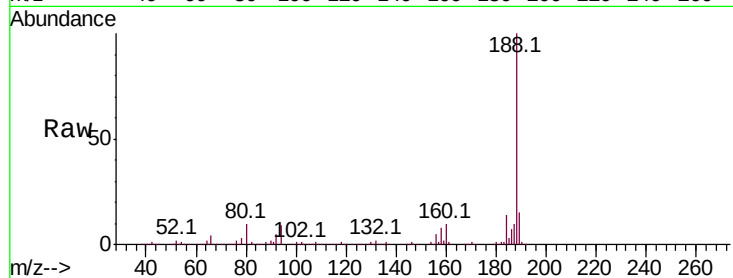




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112387.D
Acq: 4 Feb 2019 18:28

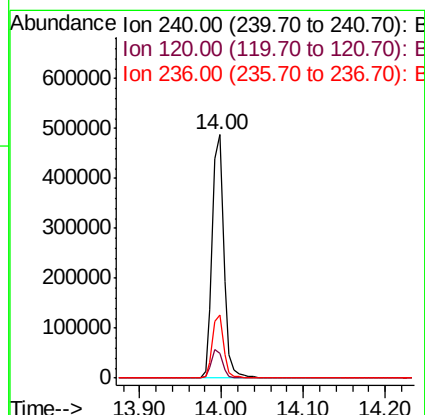
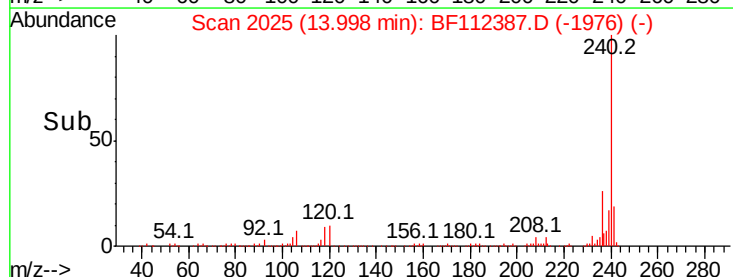
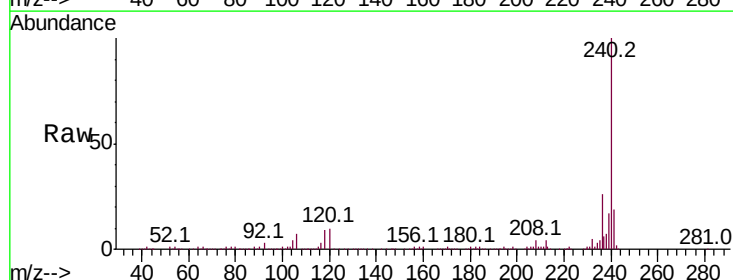
Instrument :
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ClientSampleId :
SOIL-PILE

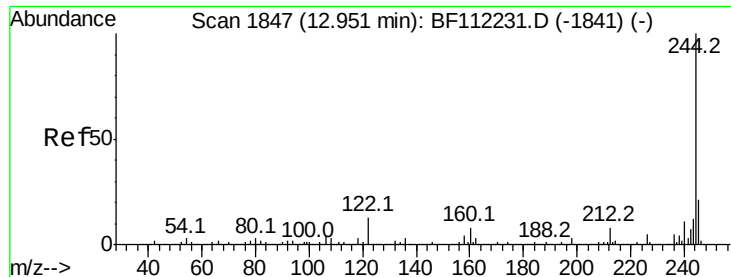
Tot Ion:188 Resp: 551378
Ion Ratio Lower Upper
188 100
94 8.9 8.2 12.2
80 10.0 8.9 13.3



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

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





#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

Instrument :

BNA_F

ClientSampled :

SOIL-PILE

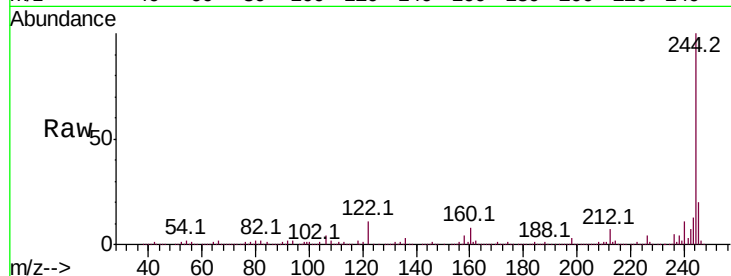
Tot Ion:244 Resp: 1853849

Ion Ratio Lower Upper

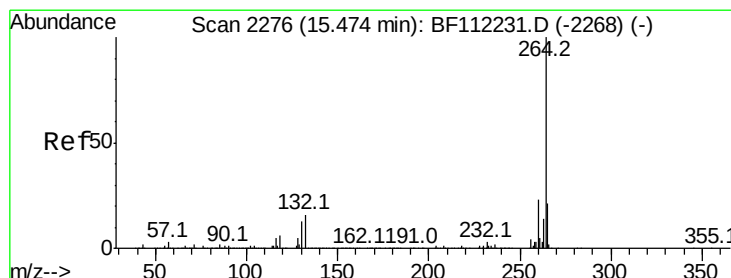
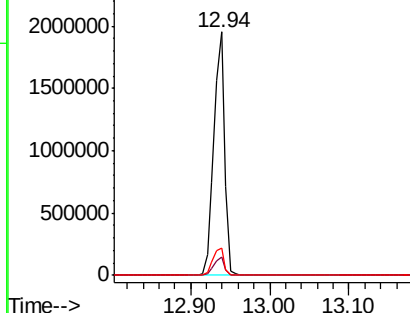
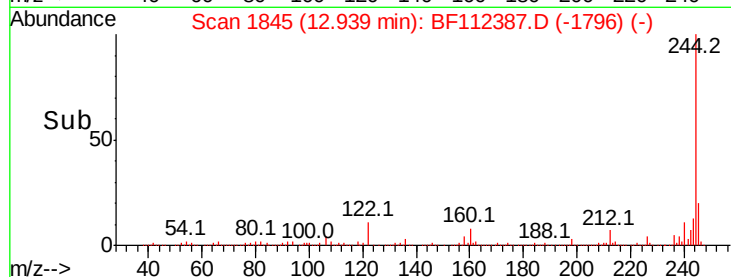
244 100

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

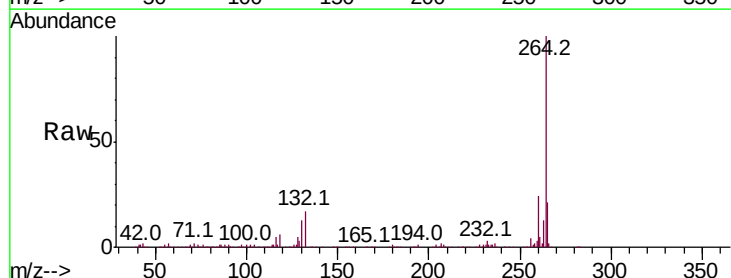
Tgt Ion:264 Resp: 361241

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.2

265 20.8 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

