

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099579.D
 Acq On : 17 Oct 2017 7:59
 Operator : SJ/JU
 Sample : I5905-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-9698

Quant Time: Oct 17 11:25:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105672	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	427575	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	179714	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	273050	20.00	ng	0.00
75) Chrysene-d12	14.02	240	192150	20.00	ng	0.00
86) Perylene-d12	15.49	264	203784	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	774344	116.65	ng	0.01
7) Phenol-d6	6.49	99	854481	104.35	ng	0.00
23) Nitrobenzene-d5	7.41	82	587344	88.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	179022	121.74	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1080845	100.40	ng	-0.01
78) Terphenyl-d14	12.95	244	729100	86.29	ng	0.00

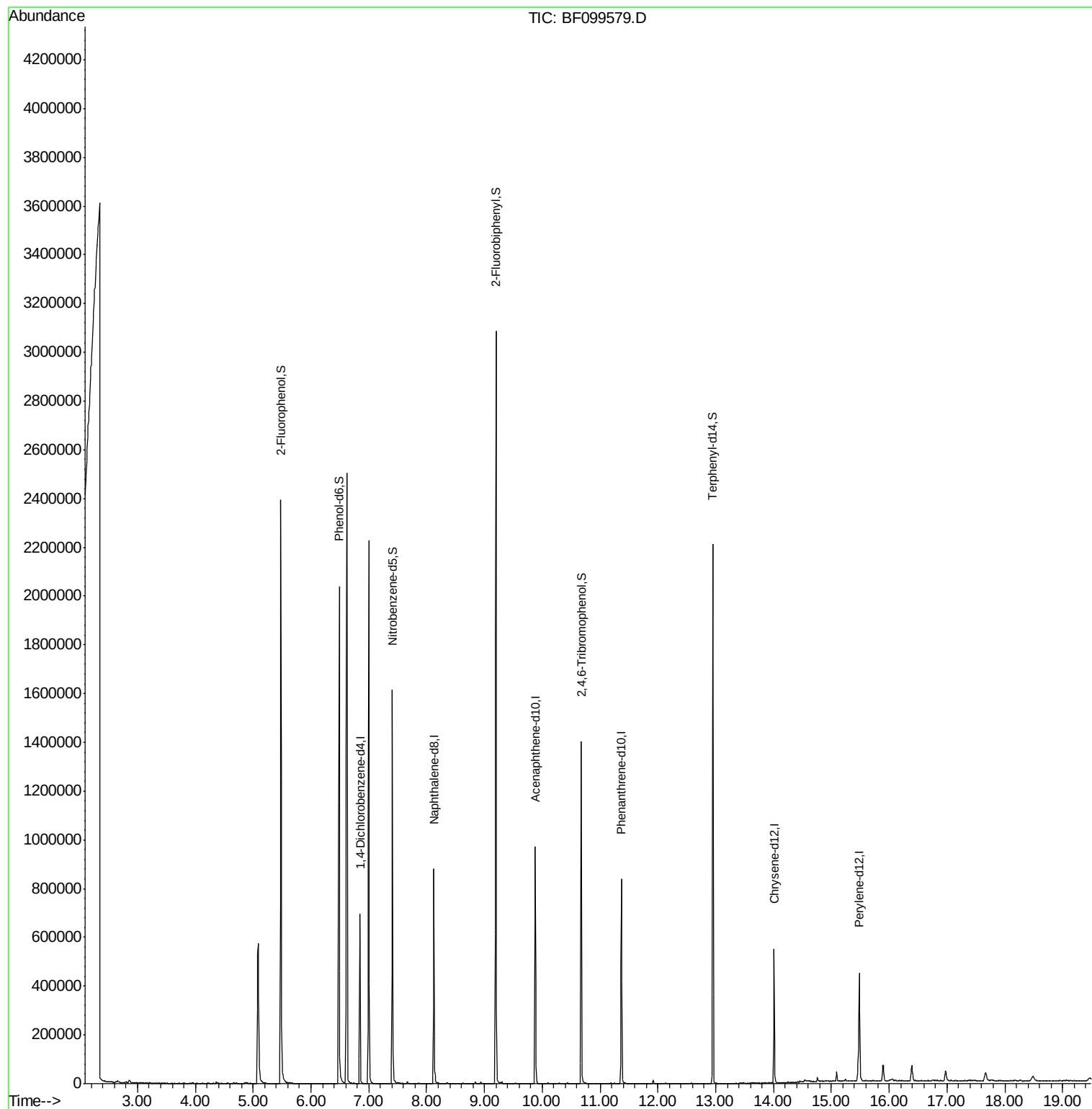
Target Compounds Qvalue

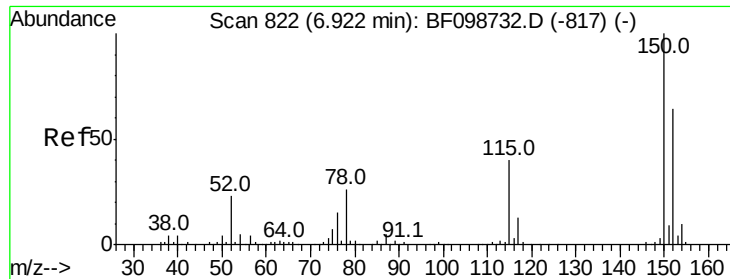
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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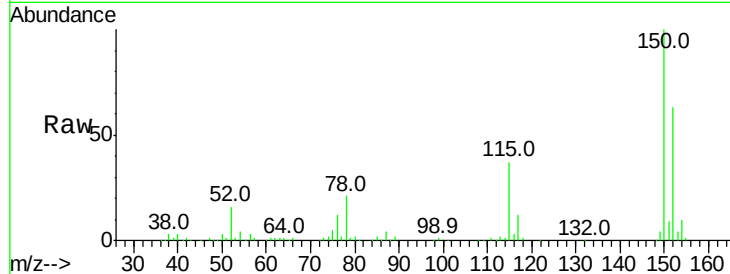


#1

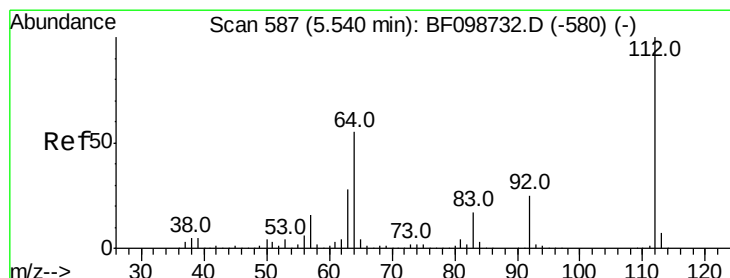
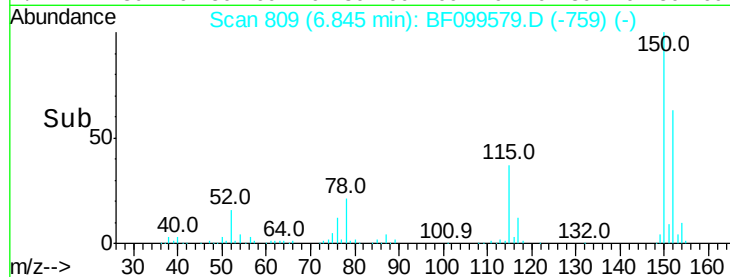
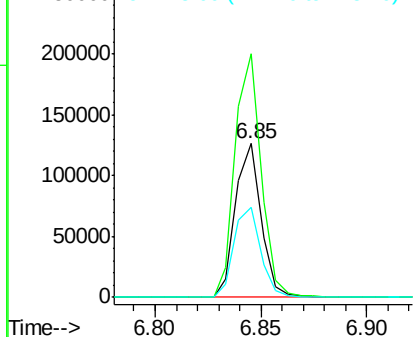
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099579.D
Acq: 17 Oct 2017 7:59

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-9698

Tot Ion:152 Resp: 105672
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 58.7 50.1 75.1



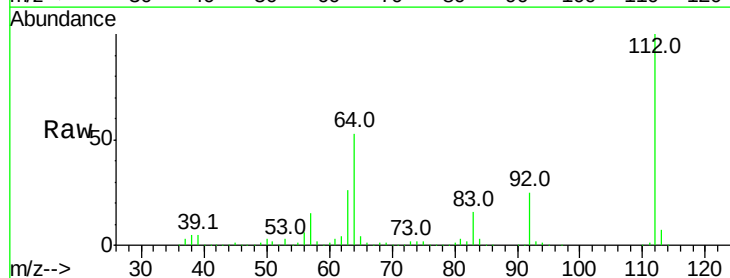
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



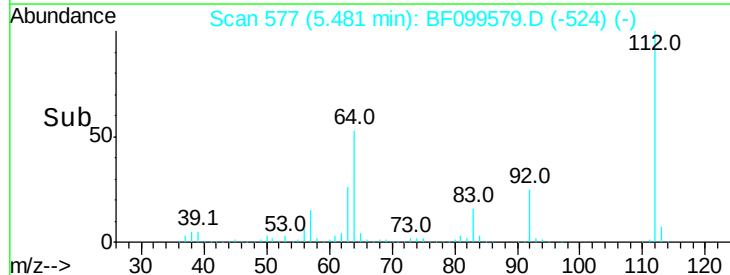
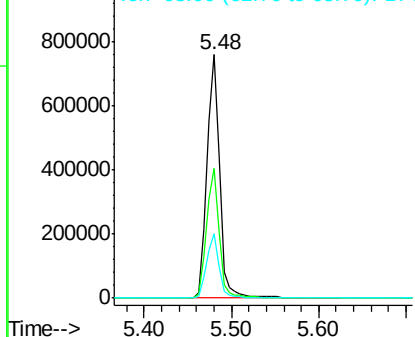
#5

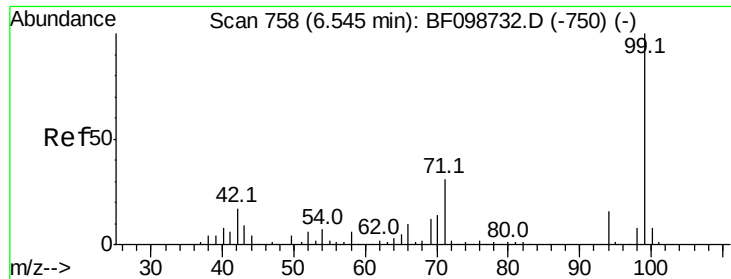
2-Fluorophenol
Concen: 116.651 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099579.D
Acq: 17 Oct 2017 7:59

Tgt Ion:112 Resp: 774344
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 26.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.347 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099579.D

Acq: 17 Oct 2017 7:59

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-9698

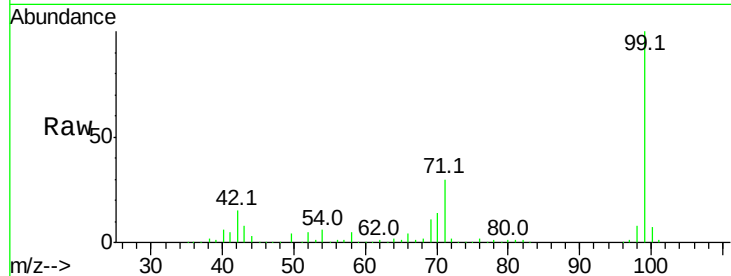
Tot Ion: 99 Resp: 854481

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

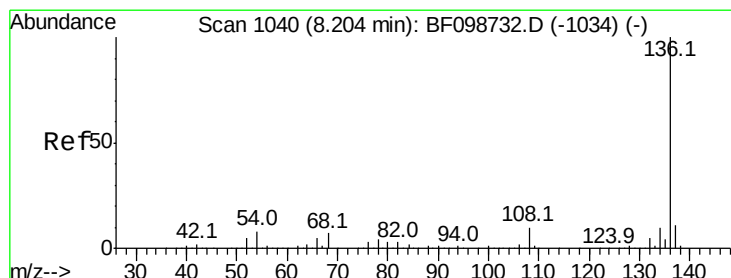
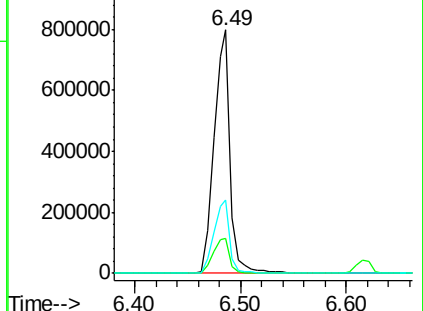
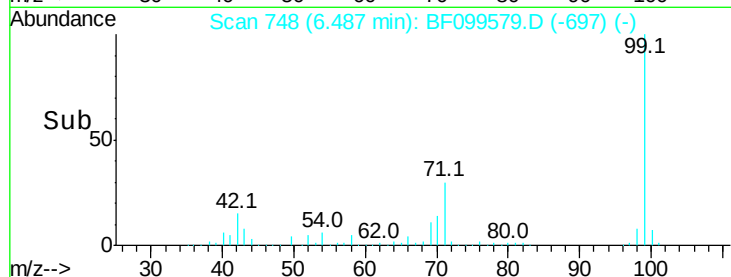
71 29.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF099579.D

Acq: 17 Oct 2017 7:59

Tgt Ion: 136 Resp: 427575

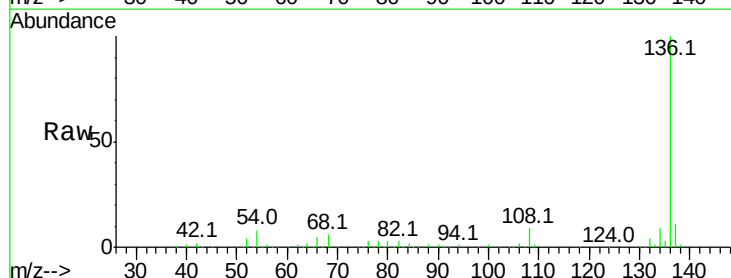
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.6 9.8

68 6.2 5.0 7.4

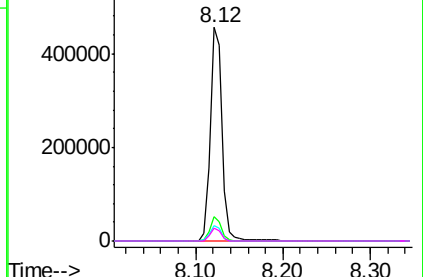
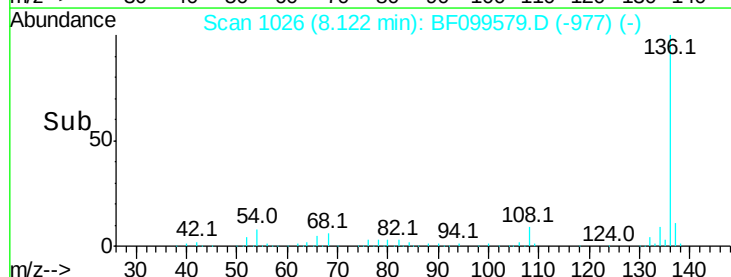


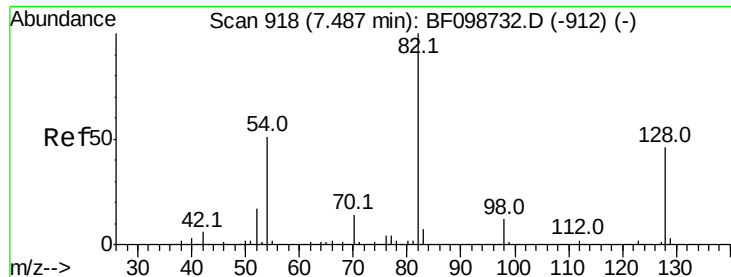
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

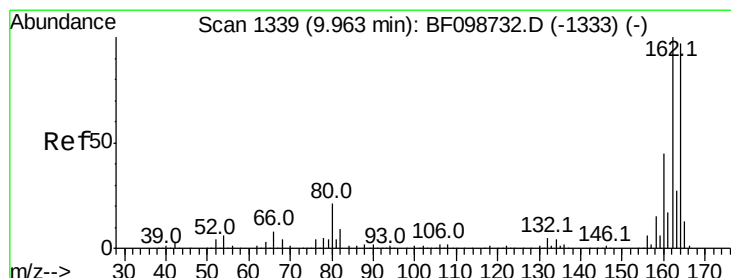
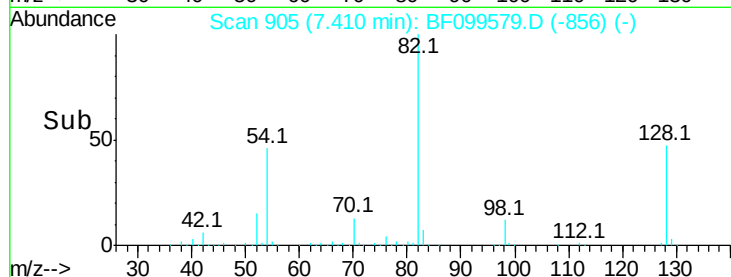
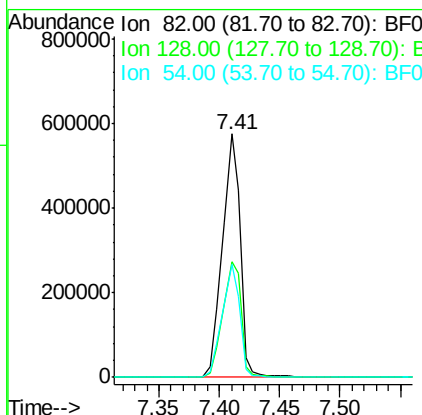
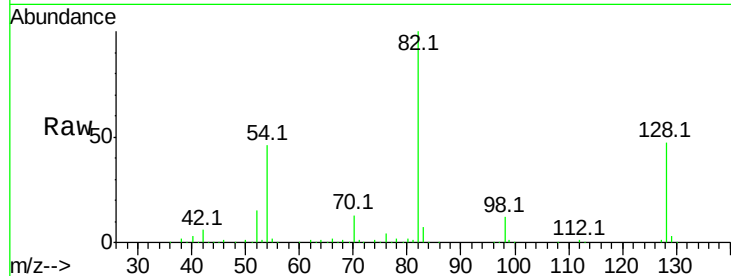




#23
 Nitrobenzene-d5
 Concen: 88.093 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099579.D
 Acq: 17 Oct 2017 7:59

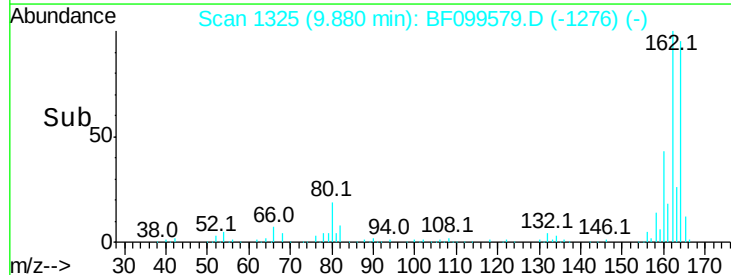
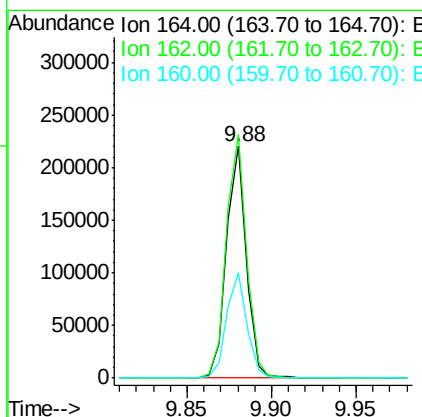
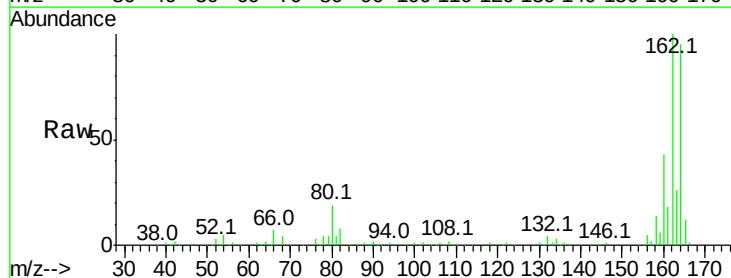
Instrument :
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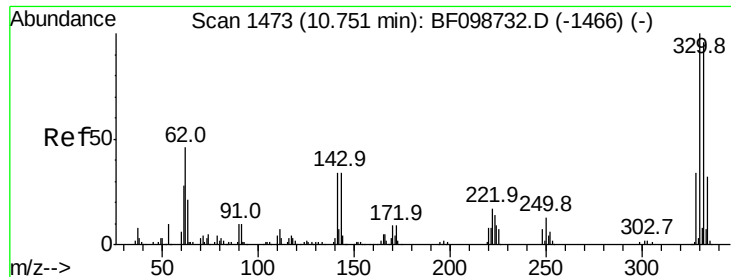
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	46.3	41.4	62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF099579.D
 Acq: 17 Oct 2017 7:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	45.6	38.3	57.5

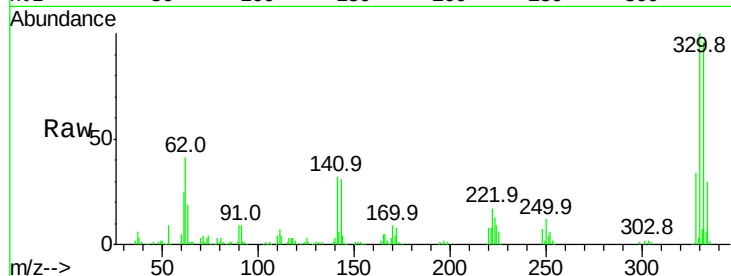




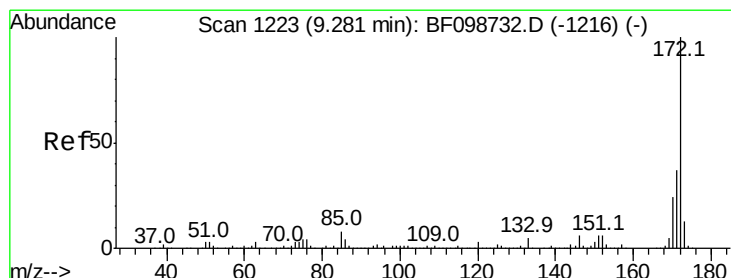
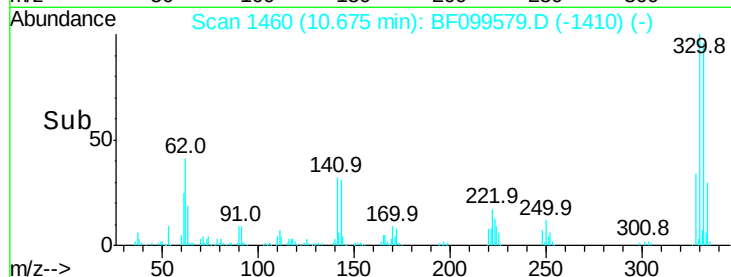
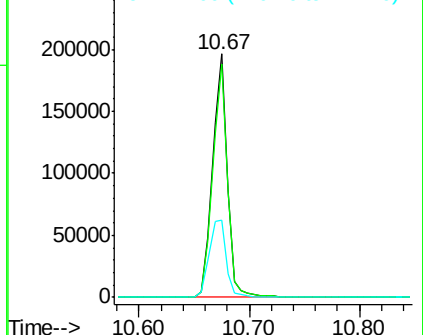
#41
 2,4,6-Tribromophenol
 Concen: 121.738 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099579.D
 Acq: 17 Oct 2017 7:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-9698

Tot Ion:330 Resp: 179022
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 36.8 29.9 44.9

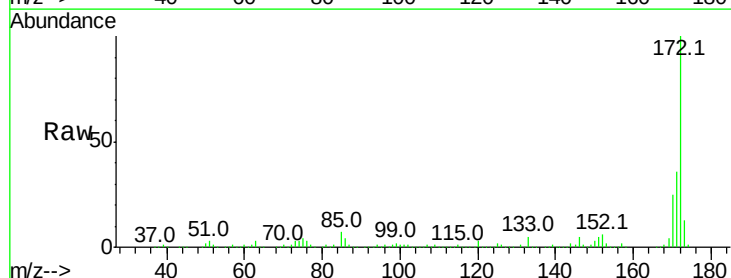


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

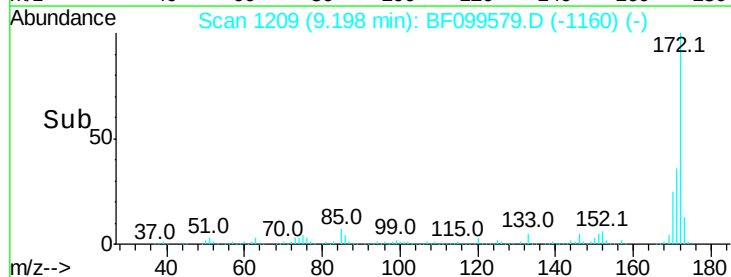
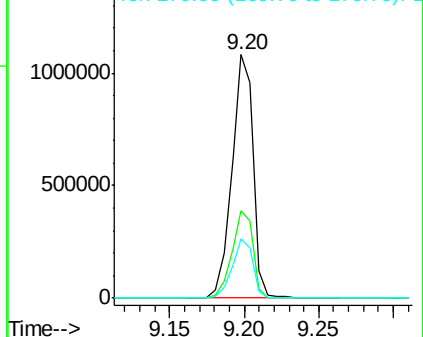


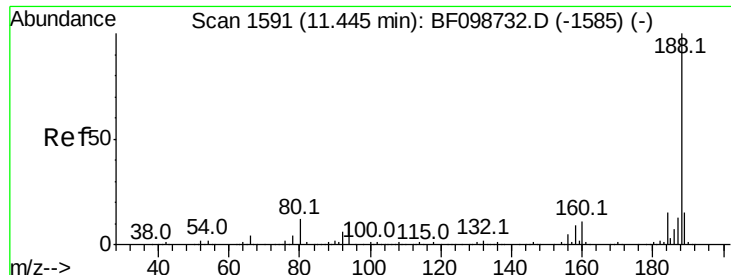
#44
 2-Fluorobiphenyl
 Concen: 100.403 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099579.D
 Acq: 17 Oct 2017 7:59

Tgt Ion:172 Resp: 1080845
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.5 19.6 29.4



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099579.D

Acq: 17 Oct 2017 7:59

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-9698

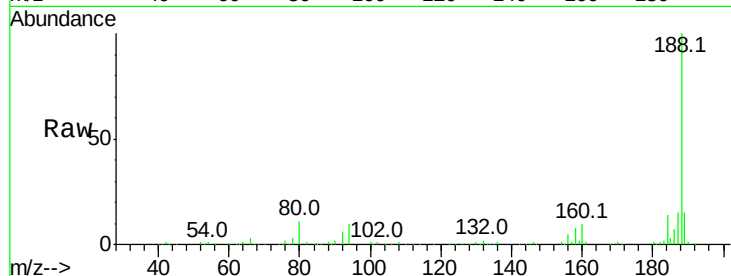
Tot Ion:188 Resp: 273050

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

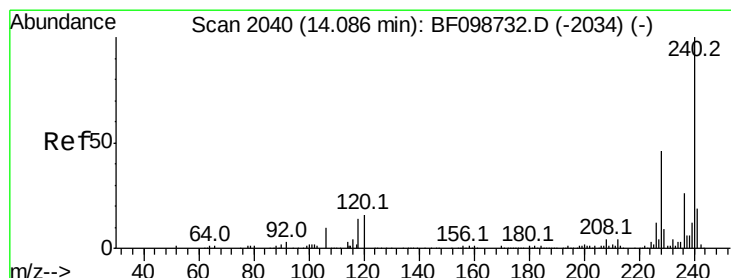
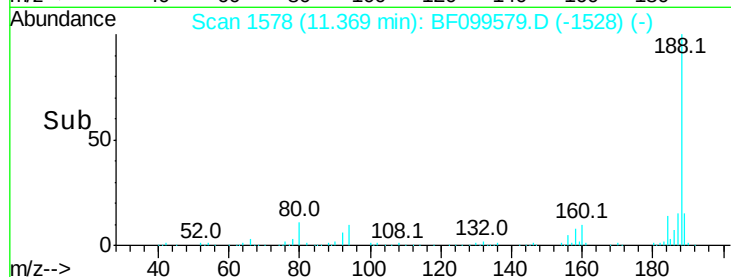
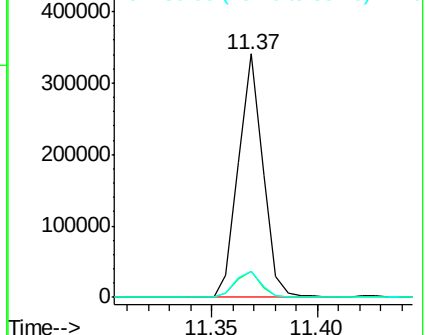
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099579.D

Acq: 17 Oct 2017 7:59

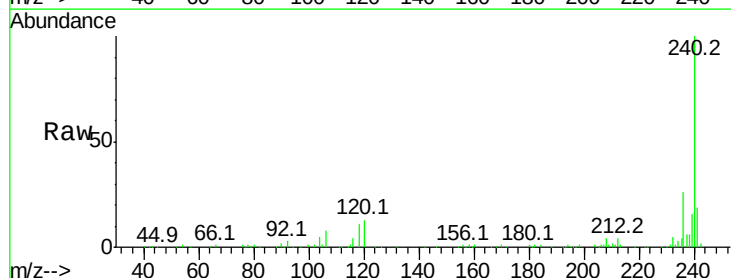
Tgt Ion:240 Resp: 192150

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

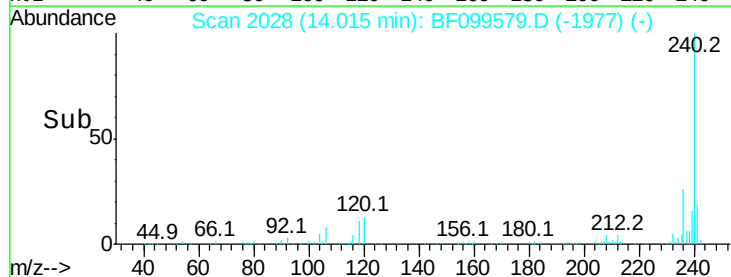
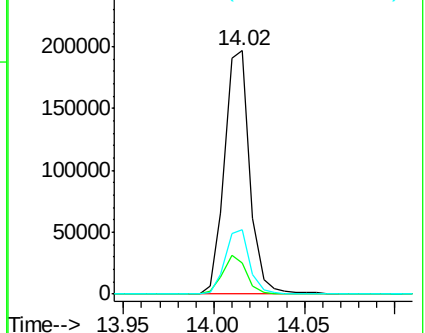
236 26.2 20.7 31.1

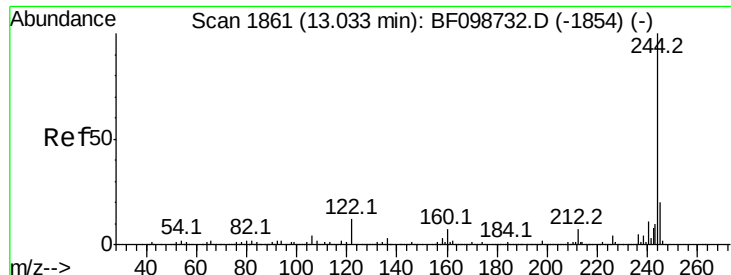


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.293 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099579.D

Acq: 17 Oct 2017 7:59

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SOIL-CUTTINGS-9698

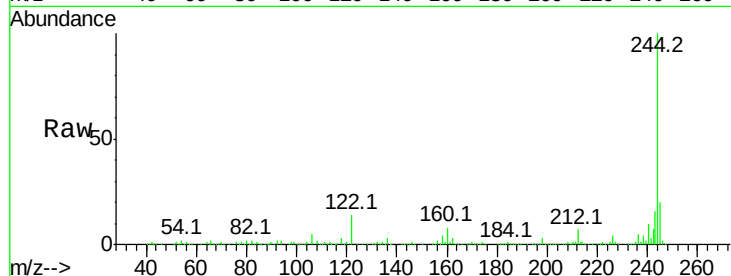
Tot Ion:244 Resp: 729100

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

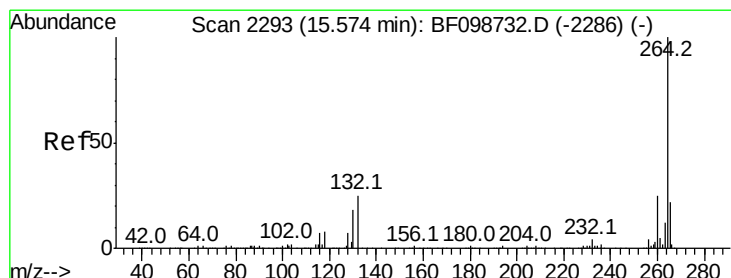
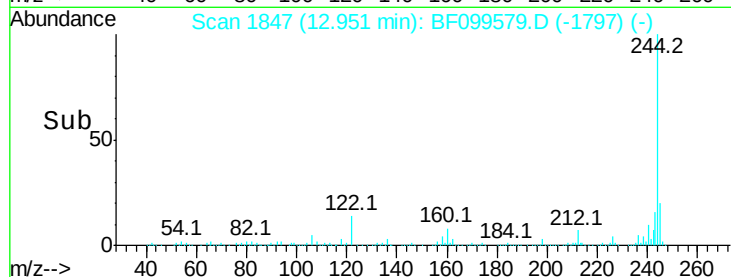
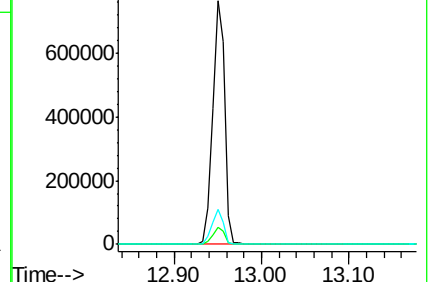
122 14.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099579.D

Acq: 17 Oct 2017 7:59

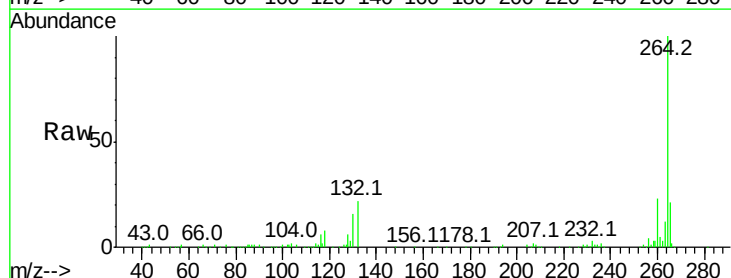
Tgt Ion:264 Resp: 203784

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.1 17.5 26.3



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

