

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100918\
 Data File : BF109700.D
 Acq On : 9 Oct 2018 17:39
 Operator : JU/SJ
 Sample : J5305-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 331-SAND-SOIL

Quant Time: Oct 09 18:25:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	89096	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	365286	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	185780	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	378904	20.00	ng	0.00
75) Chrysene-d12	13.83	240	290120	20.00	ng	0.00
86) Perylene-d12	15.22	264	217772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	498149	99.24	ng	0.00
7) Phenol-d6	6.35	99	641102	95.61	ng	-0.01
23) Nitrobenzene-d5	7.26	82	514869	77.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	233471	115.34	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	967156	71.70	ng	0.00
78) Terphenyl-d14	12.78	244	1055773	70.45	ng	0.00

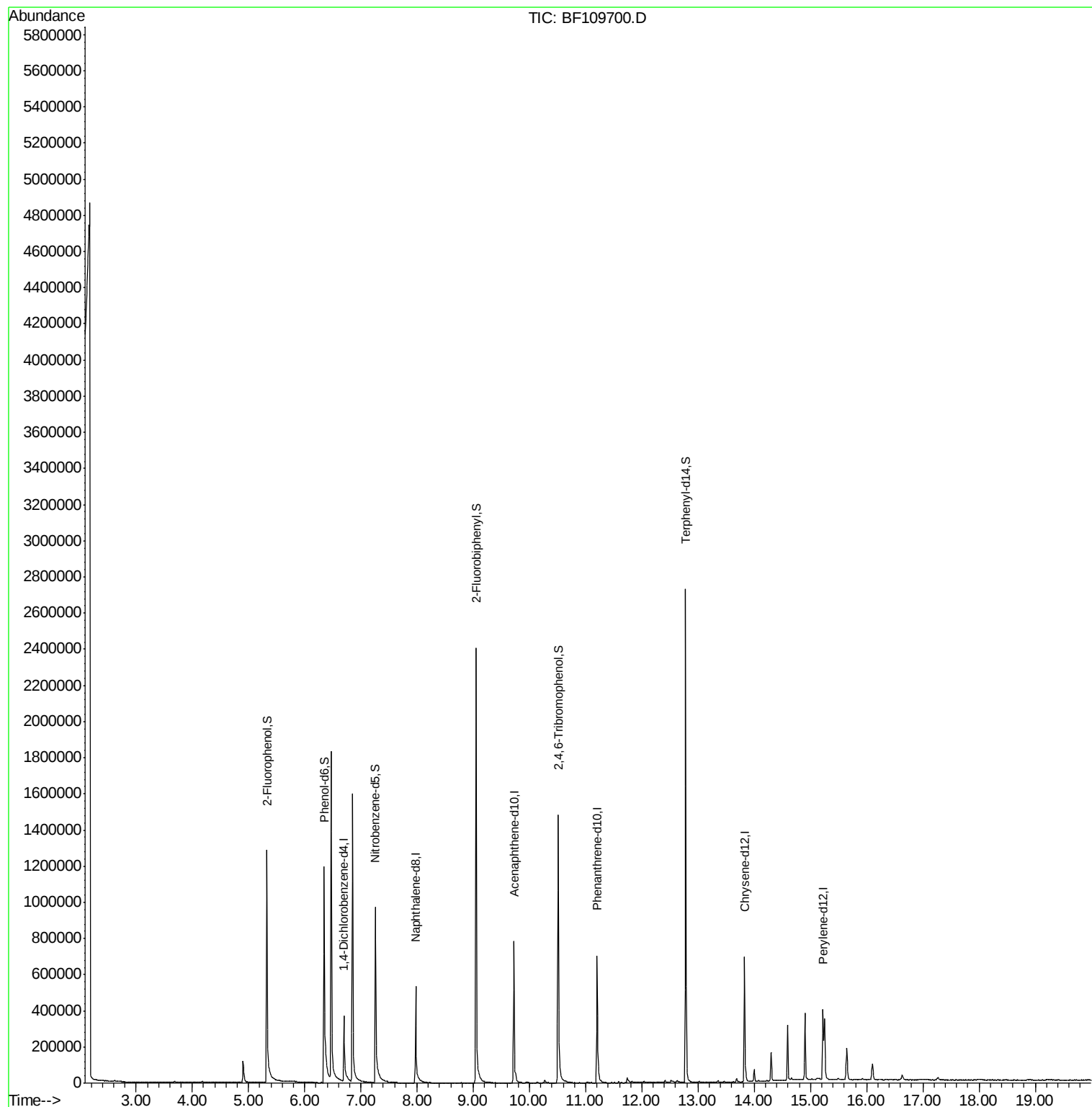
Target Compounds Qvalue

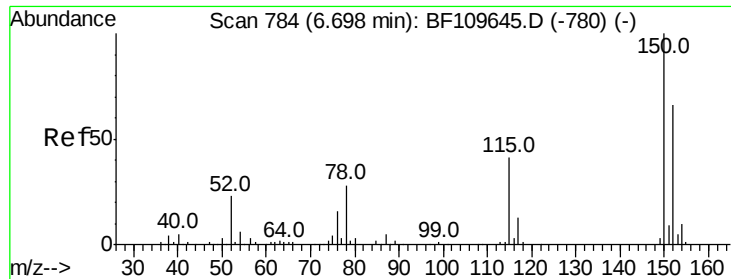
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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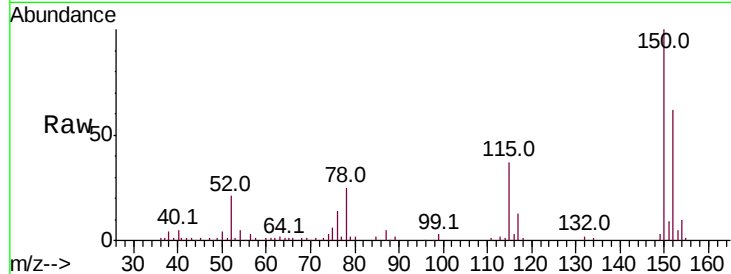


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF109700.D
 Acq: 9 Oct 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :
 331-SAND-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	122.7	184.1
115	60.4	49.1	73.7

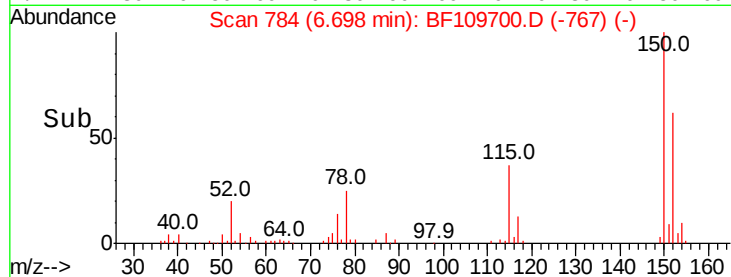
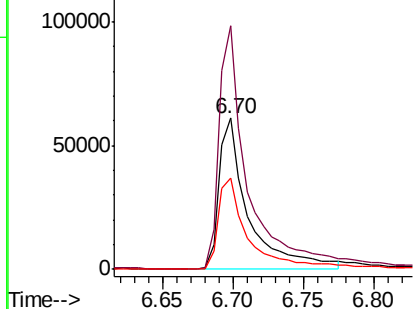


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

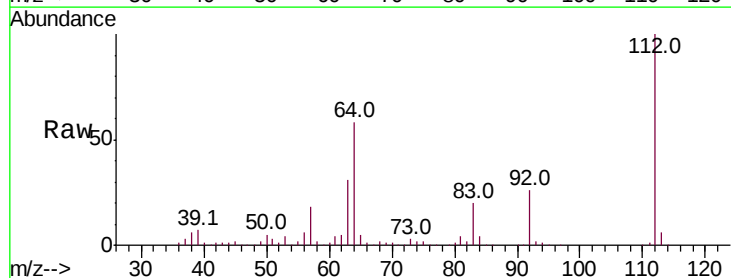
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 99.245 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF109700.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.1	66.1
63	31.3	23.7	35.5

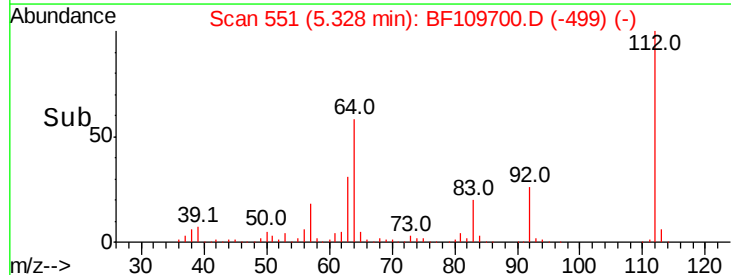
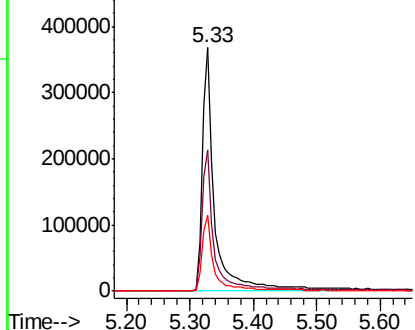


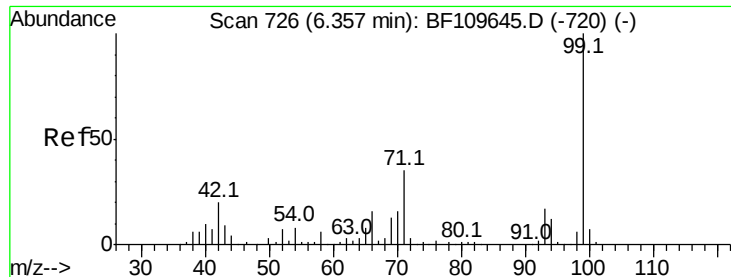
Abundance

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: 95.610 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109700.D

Acq: 9 Oct 2018 17:39

Instrument :

BNA_F

ClientSampleId :

331-SAND-SOIL

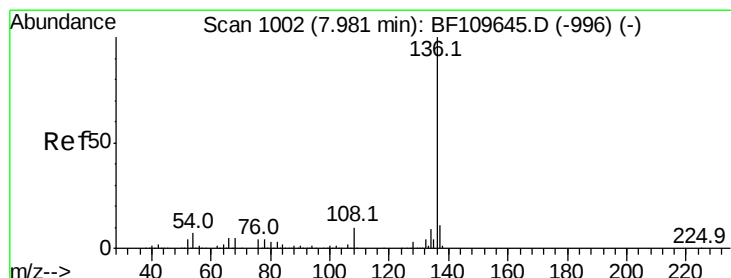
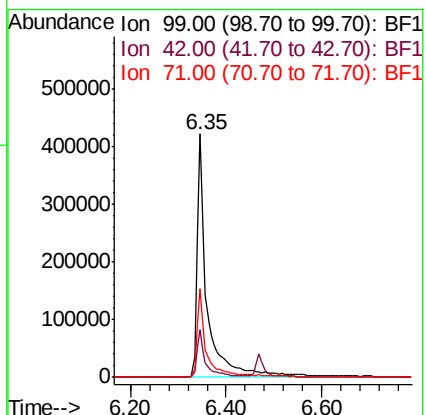
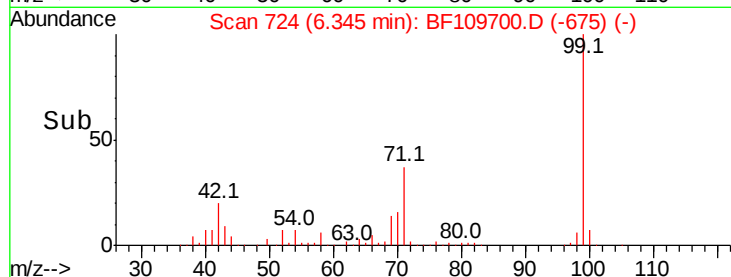
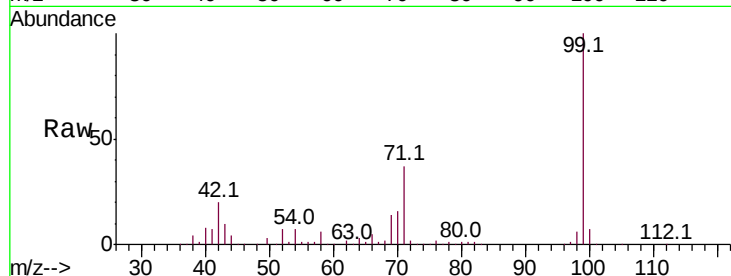
Tot Ion: 99 Resp: 641102

Ion Ratio Lower Upper

99 100

42 19.6 15.8 23.6

71 36.7 28.0 42.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109700.D

Acq: 9 Oct 2018 17:39

Tgt Ion: 136 Resp: 365286

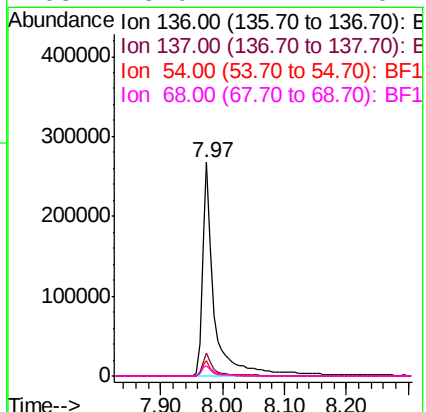
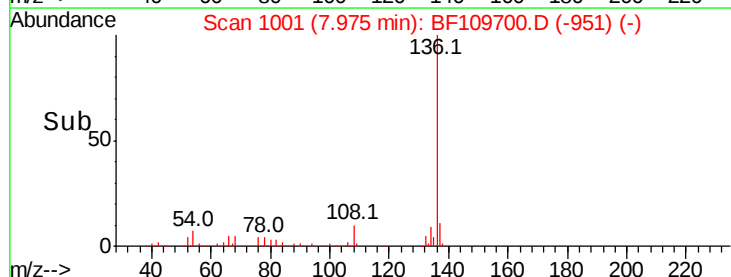
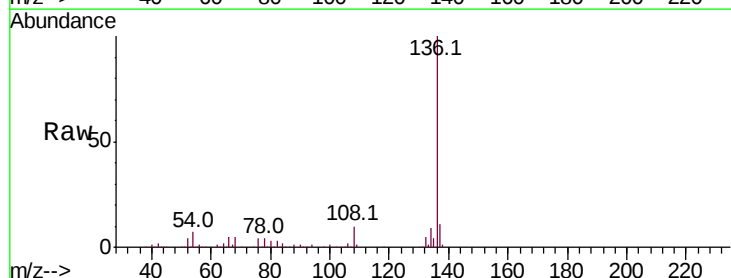
Ion Ratio Lower Upper

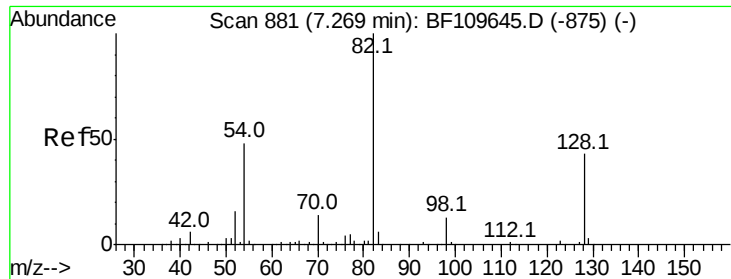
136 100

137 11.0 8.8 13.2

54 7.0 5.4 8.2

68 5.0 4.2 6.2

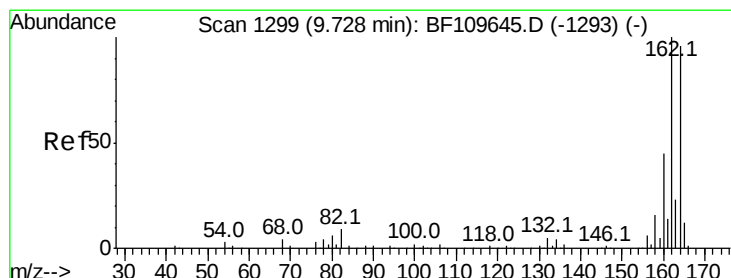
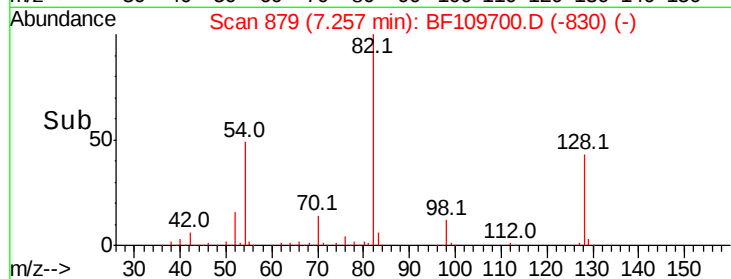
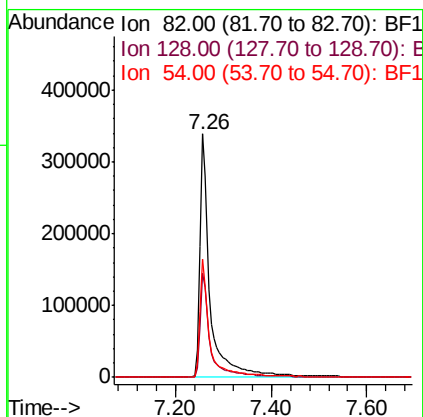
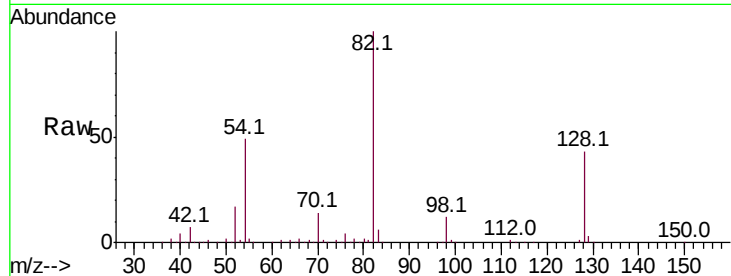




#23
Nitrobenzene-d5
Concen: 77.696 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109700.D
Acq: 9 Oct 2018 17:39

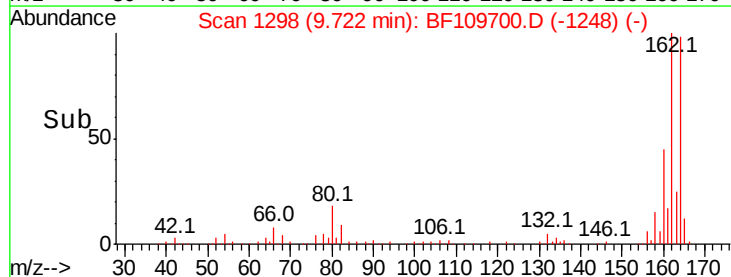
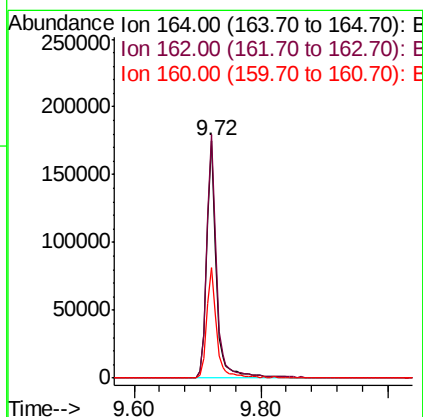
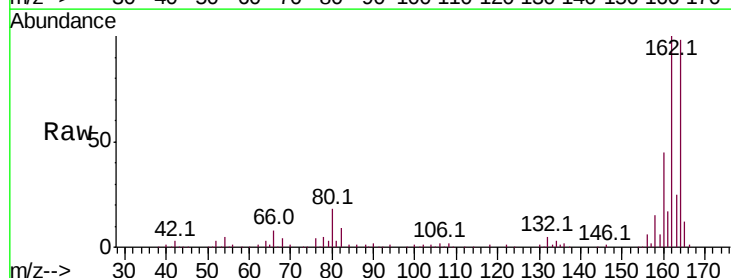
Instrument :
BNA_F
ClientSampleId :
331-SAND-SOIL

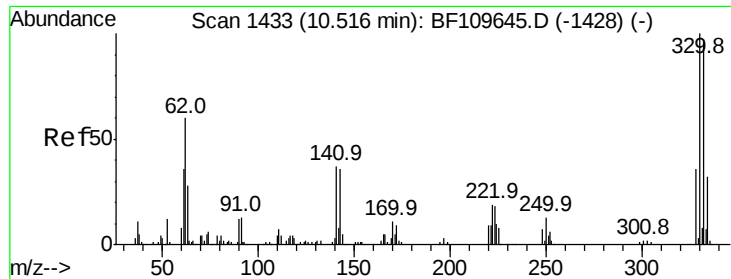
Tot Ion: 82 Resp: 514869
Ion Ratio Lower Upper
82 100
128 42.5 34.2 51.2
54 48.8 38.6 58.0



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109700.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 164 Resp: 185780
Ion Ratio Lower Upper
164 100
162 102.4 83.0 124.6
160 46.4 37.0 55.6

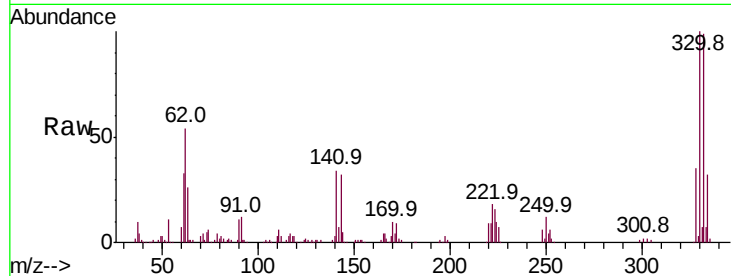




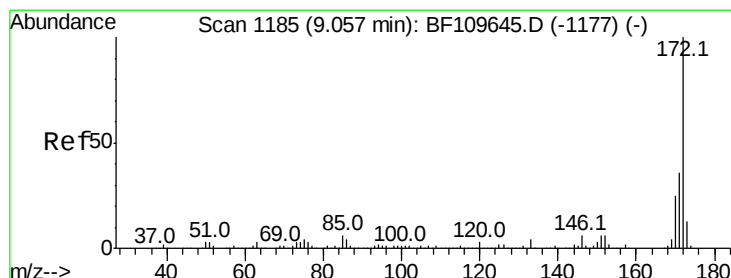
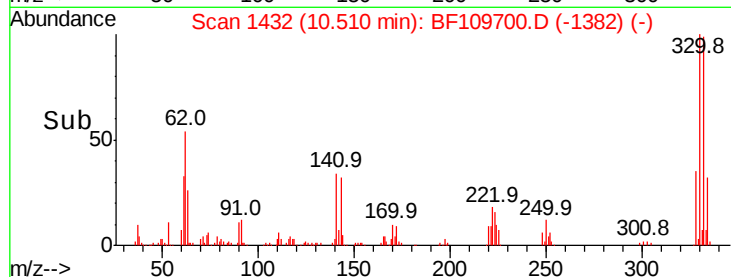
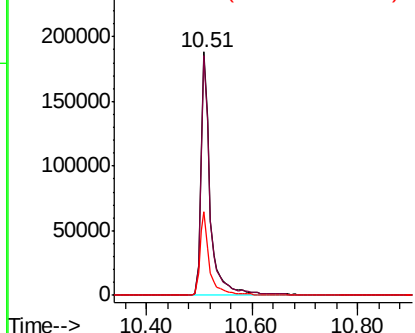
#41
 2,4,6-Tribromophenol
 Concen: 115.336 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109700.D
 Acq: 9 Oct 2018 17:39

Instrument :
 BNA_F
 ClientSampleId :
 331-SAND-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.1	115.7
141	34.9	27.0	40.4

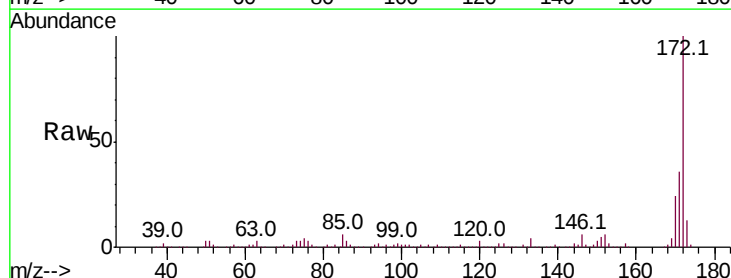


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

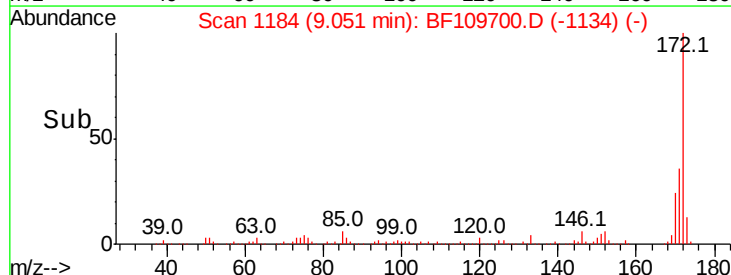
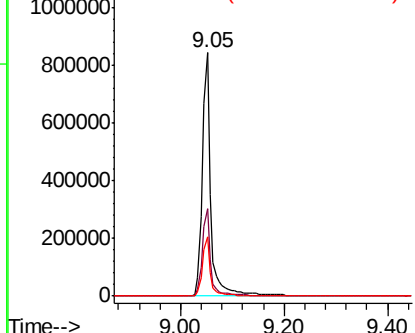


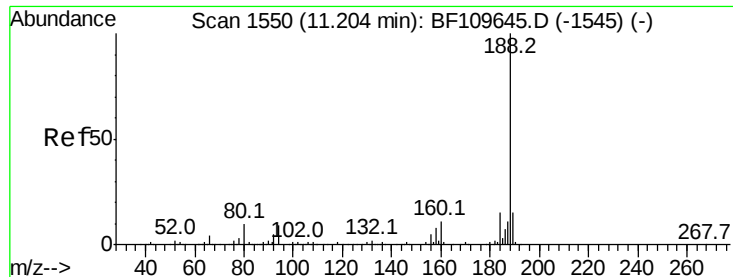
#44
 2-Fluorobiphenyl
 Concen: 71.699 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109700.D
 Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.1	19.7	29.5



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

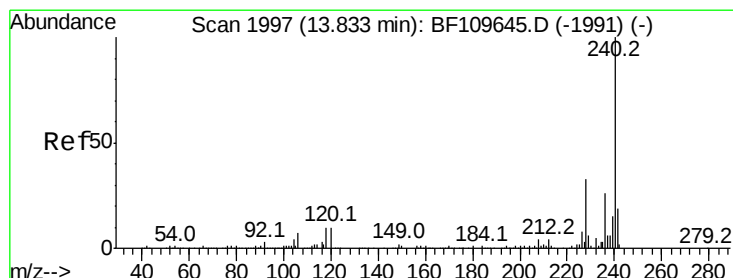
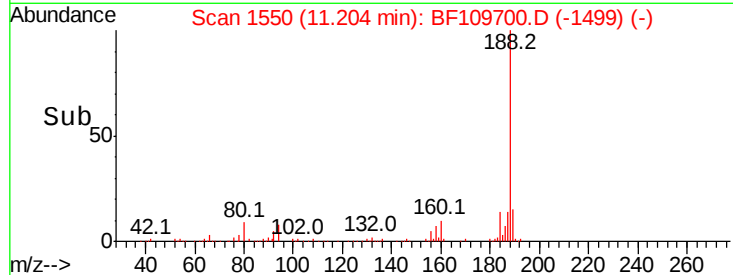
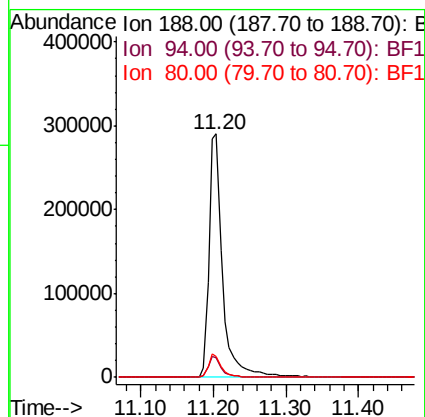
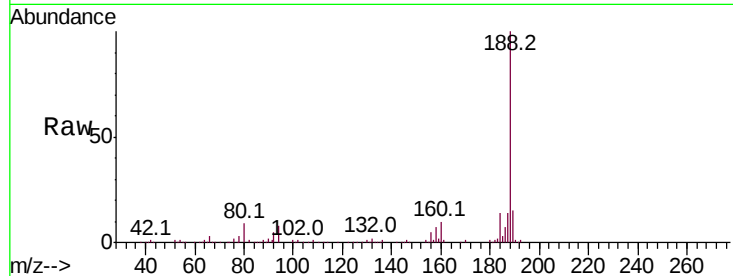




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109700.D
Acq: 9 Oct 2018 17:39

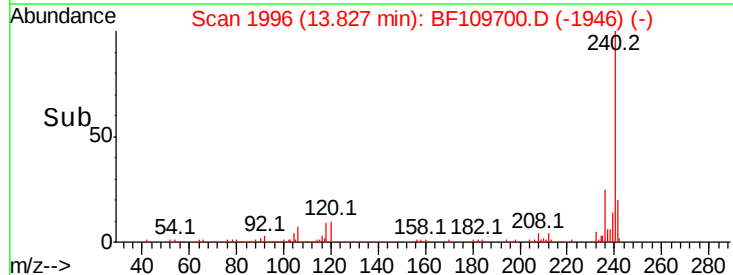
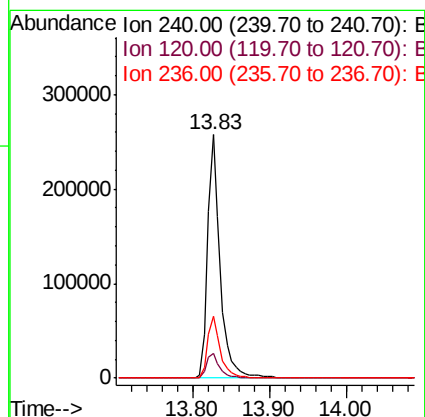
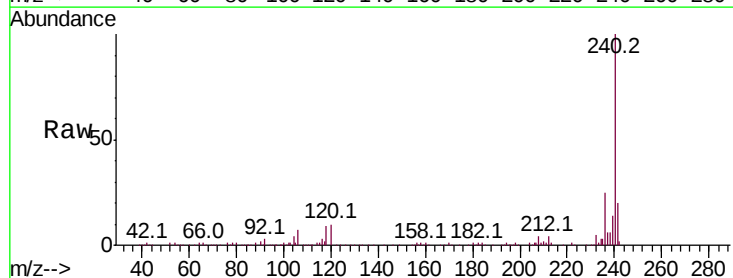
Instrument :
BNA_F
ClientSampleId :
331-SAND-SOIL

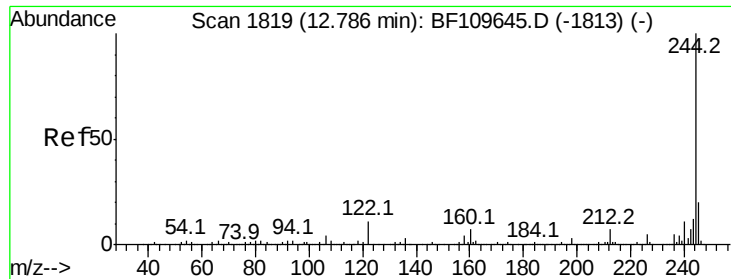
Tot Ion:188 Resp: 378904
Ion Ratio Lower Upper
188 100
94 8.2 7.2 10.8
80 8.8 7.9 11.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109700.D
Acq: 9 Oct 2018 17:39

Tgt Ion:240 Resp: 290120
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 25.5 21.2 31.8





#78

Terphenyl-d14

Concen: 70.447 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109700.D

Acq: 9 Oct 2018 17:39

Instrument :

BNA_F

ClientSampleId :

331-SAND-SOIL

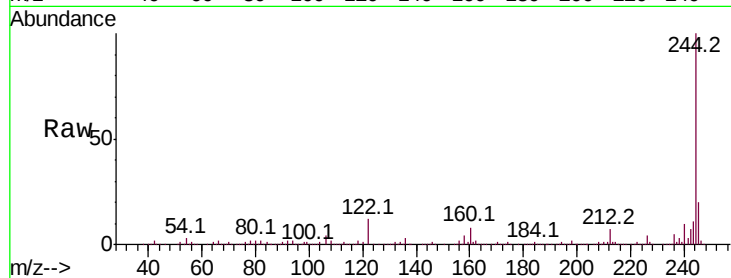
Tot Ion:244 Resp: 1055773

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

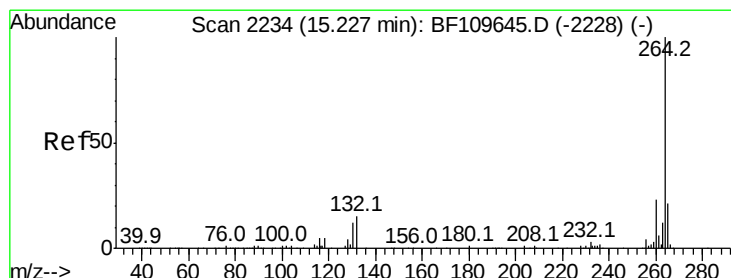
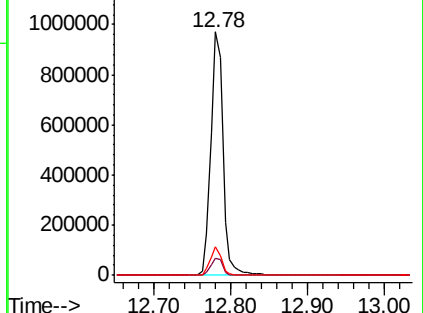
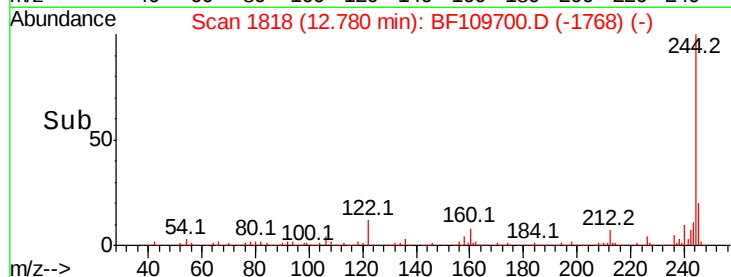
122 12.0 8.7 13.1



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: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF109700.D

Acq: 9 Oct 2018 17:39

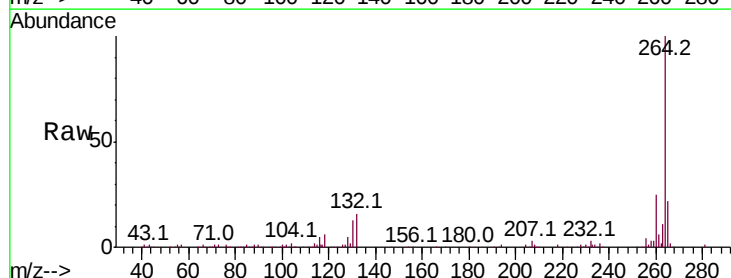
Tgt Ion:264 Resp: 217772

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

265 22.4 16.7 25.1



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

