

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113856.D
 Acq On : 19 Apr 2019 14:12
 Operator : JU/SJ
 Sample : K2413-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR

Manual Integrations
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Quant Time: Apr 20 00:04:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	184440	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	607759	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	261145	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	484476	20.00	ng	0.00
76) Chrysene-d12	14.05	240	535114	20.00	ng	0.00
87) Perylene-d12	15.53	264	510589	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	992561	89.48	ng	0.01
7) Phenol-d6	6.52	99	1217030	87.98	ng	0.00
23) Nitrobenzene-d5	7.45	82	717170	71.86	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	281288	97.49	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1211121	70.73	ng	0.00
79) Terphenyl-d14	13.00	244	1422994	55.76	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	189129	10.349	ng	99
75) Fluoranthene	12.62	202	175132	6.697	ng	97
78) Pyrene	12.85	202	180784	4.794	ng	98
81) Benzo(a)anthracene	14.04	228	139993	4.475	ng	94
83) Chrysene	14.07	228	154609	4.980	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	99447	3.924	ng	95
88) Benzo(b)fluoranthene	15.09	252	267453m	8.403	ng	
89) Benzo(k)fluoranthene	15.12	252	82542m	2.847	ng	
90) Benzo(a)pyrene	15.46	252	159971	5.684	ng	94
92) Benzo(g,h,i)perylene	17.44	276	90372	3.550	ng	98

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

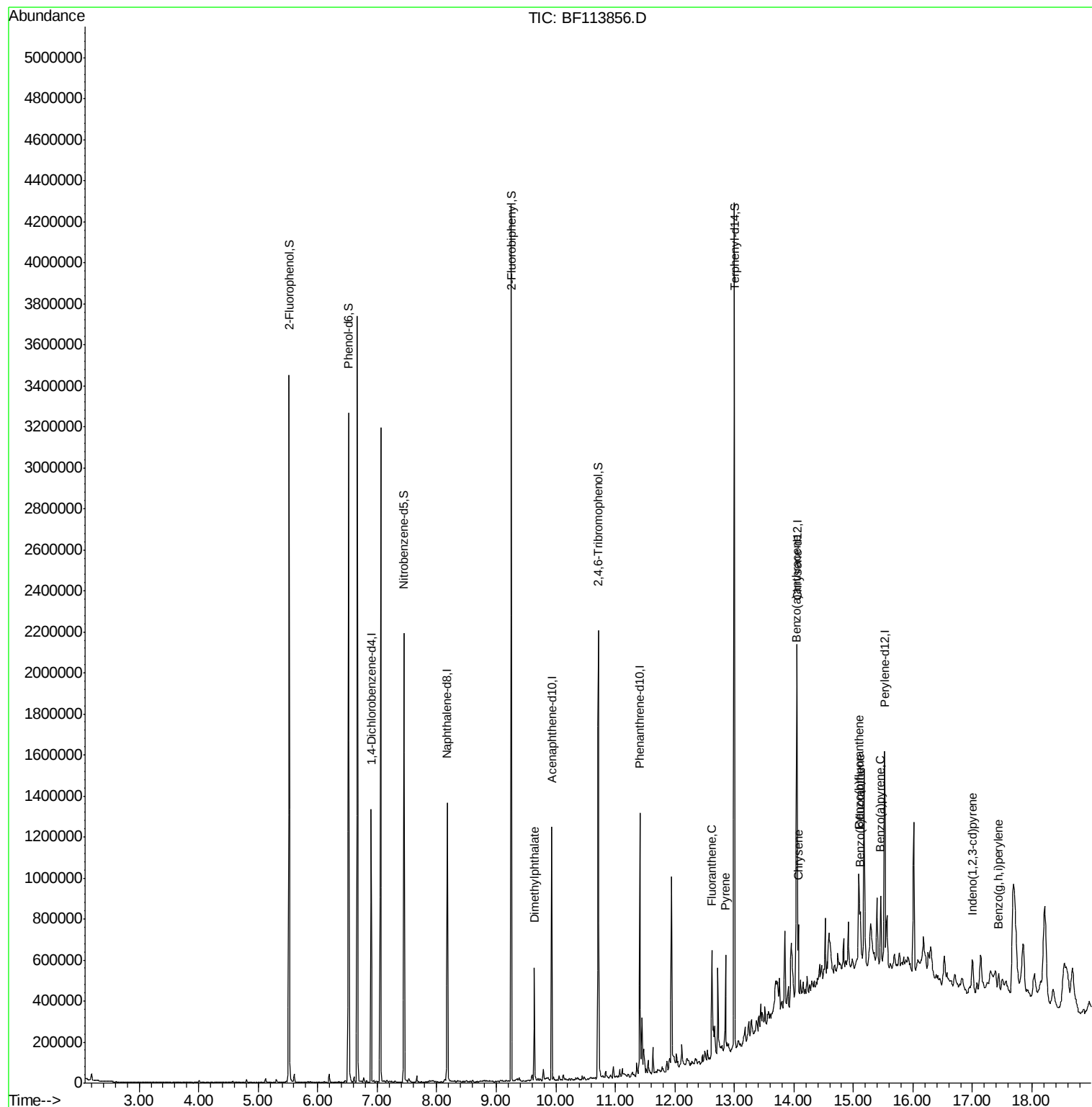
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113856.D
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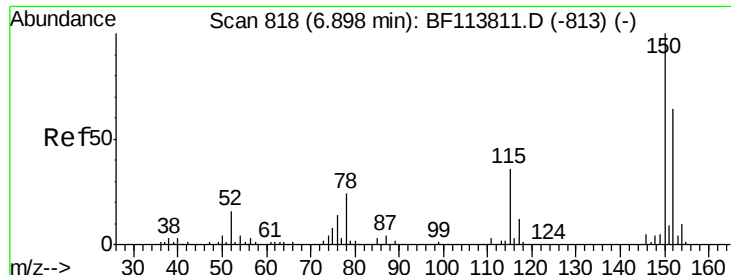
Instrument :
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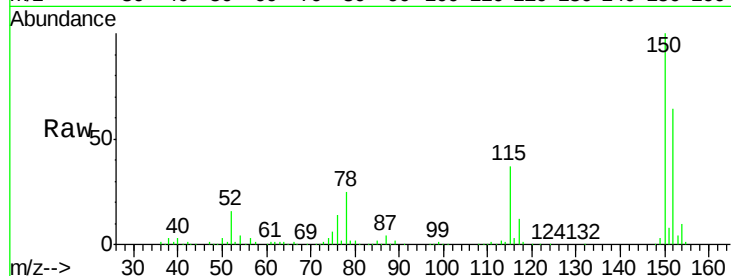




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

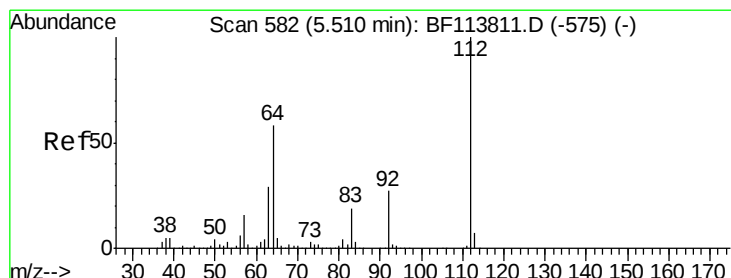
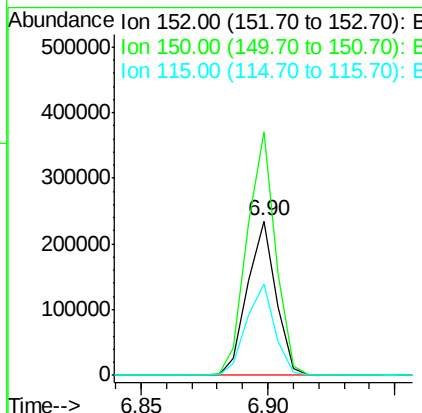
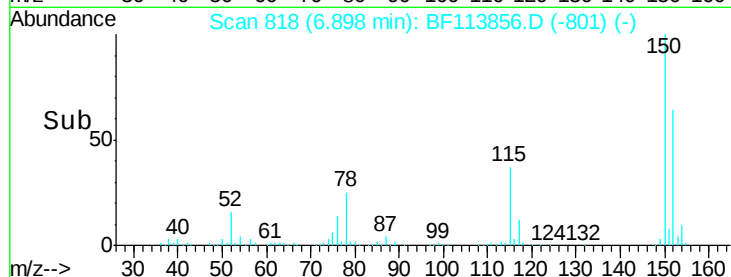
Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	58.8	45.9	68.9

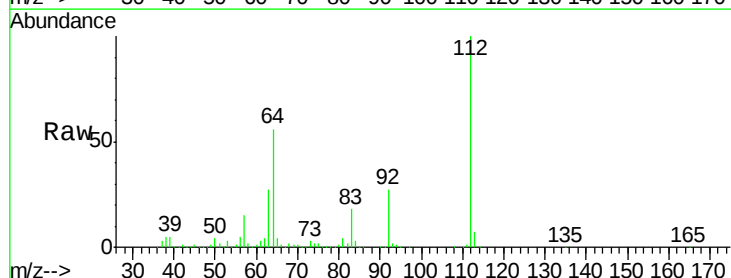
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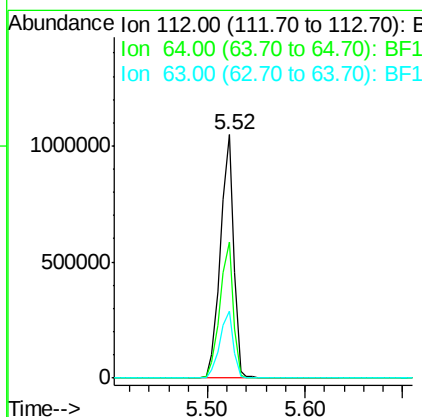
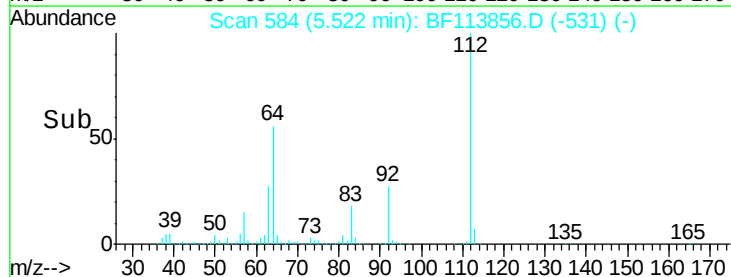


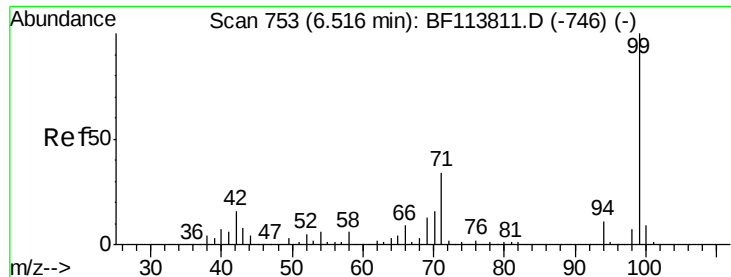
#5

2-Fluorophenol
Concen: 89.482 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12



Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.6	69.8
63	27.4	23.1	34.7





#7

Phenol-d6

Concen: 87.981 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113856.D

Acq: 19 Apr 2019 14:12

Instrument :

BNA_F

ClientSampleId :

NCC-TOPSOIL-CR

Tgt Ion: 99 Resp: 1217030

Ion Ratio Lower Upper

99 100

42 15.4 12.5 18.7

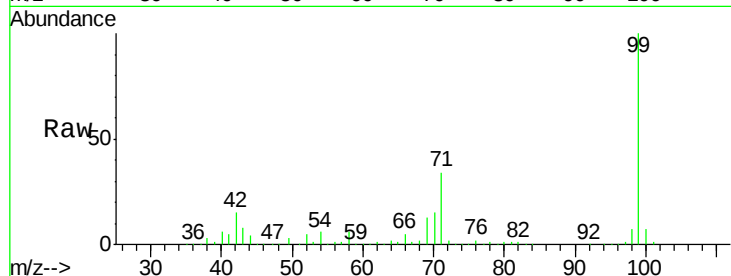
71 34.0 26.9 40.3

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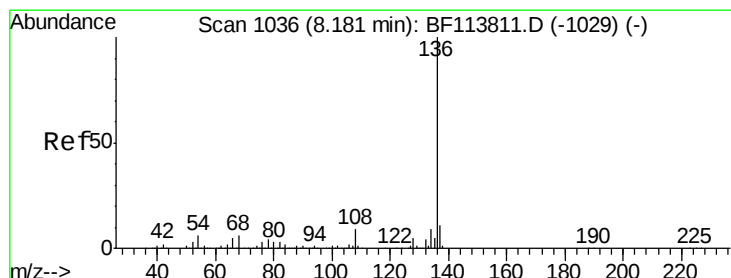
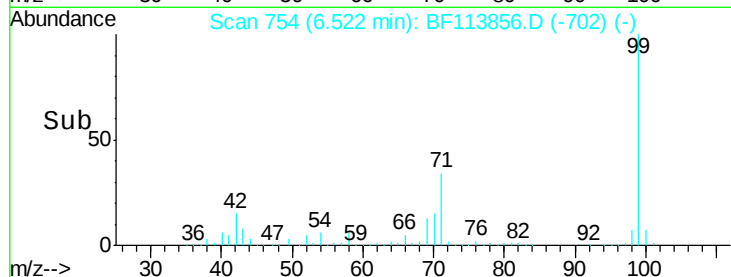
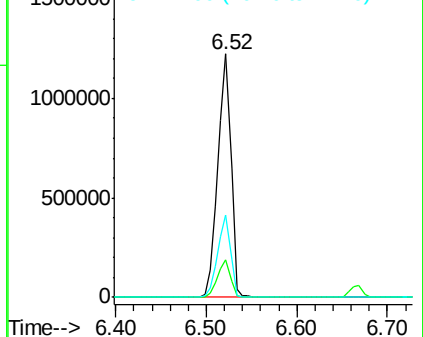
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113856.D

Acq: 19 Apr 2019 14:12

Tgt Ion: 136 Resp: 607759

Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 7.0 5.0 7.6

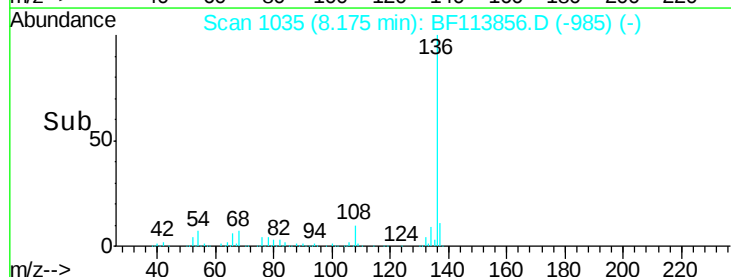
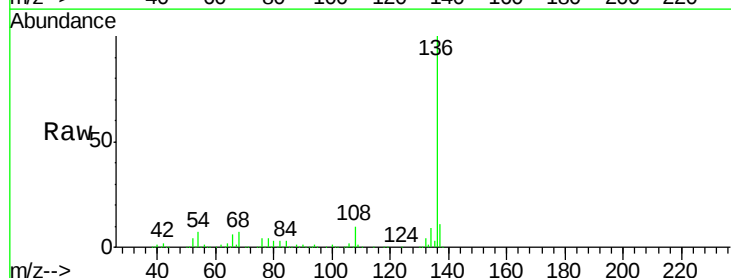
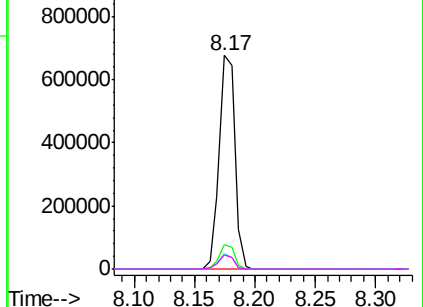
68 6.9 4.9 7.3

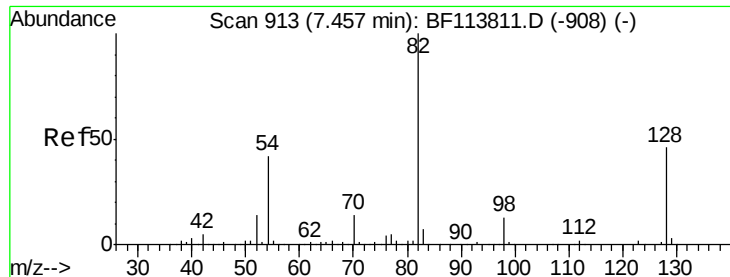
Abundance Ion 136.00 (135.70 to 136.70): E

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





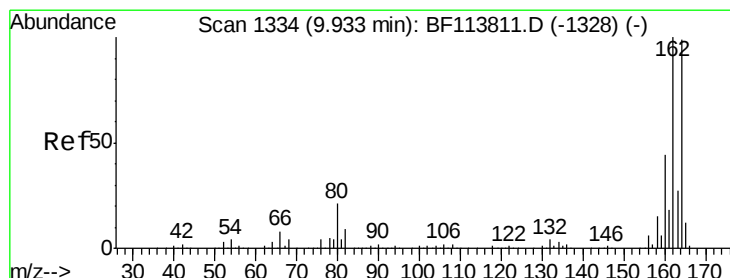
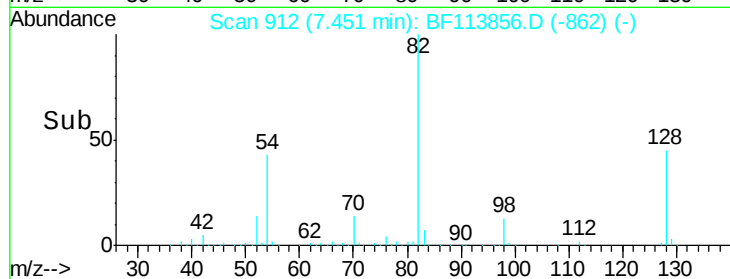
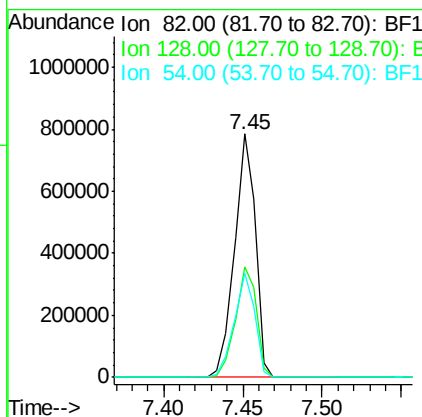
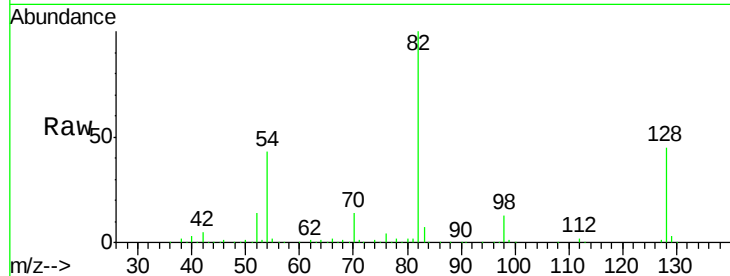
#23
 Nitrobenzene-d5
 Concen: 71.859 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113856.D
 Acq: 19 Apr 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.8	55.2
54	42.8	33.8	50.6

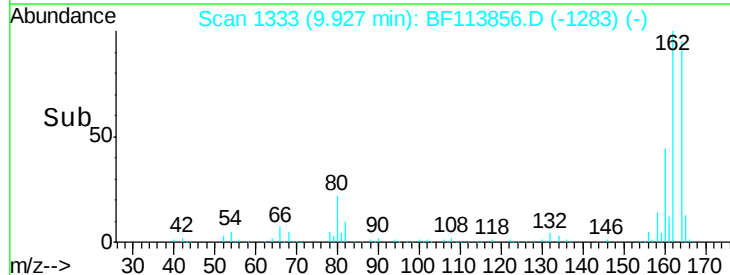
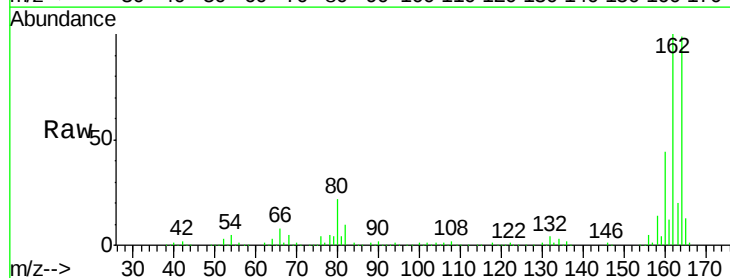
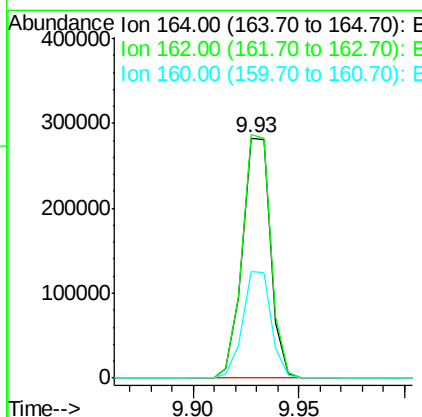
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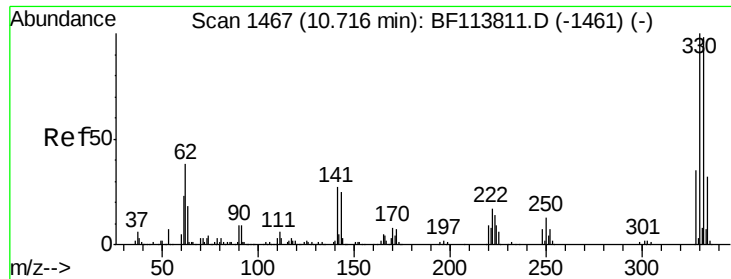
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF113856.D
 Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.1	121.7
160	44.5	35.8	53.6





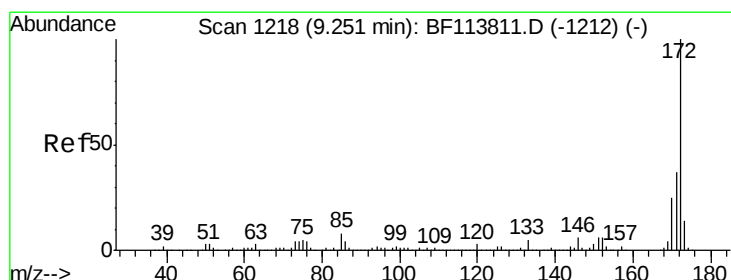
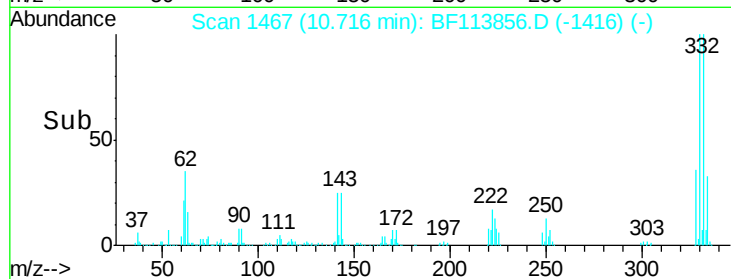
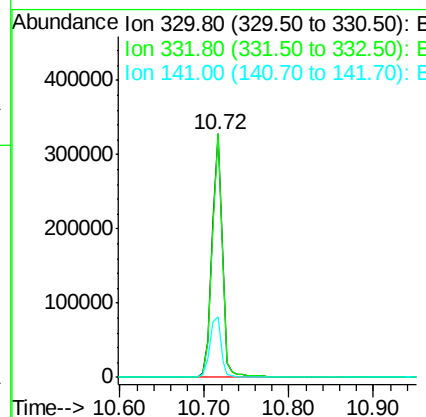
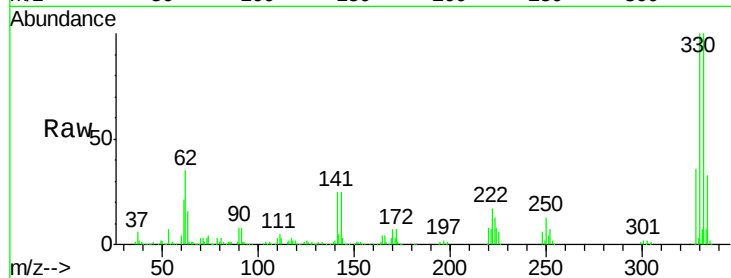
#42
 2,4,6-Tribromophenol
 Concen: 97.494 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF113856.D
 Acq: 19 Apr 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	281288		
332	97.8	77.5	116.3	
141	27.3	22.2	33.2	

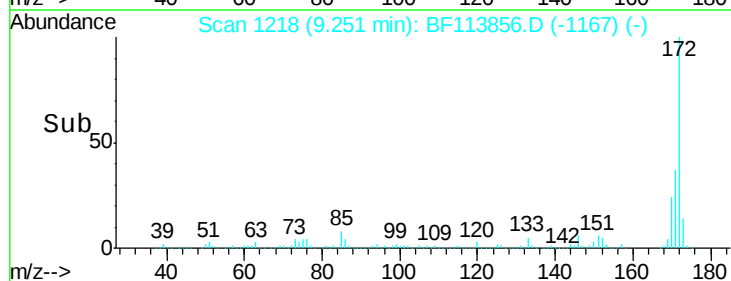
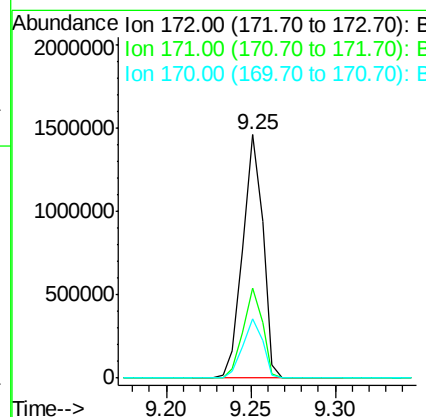
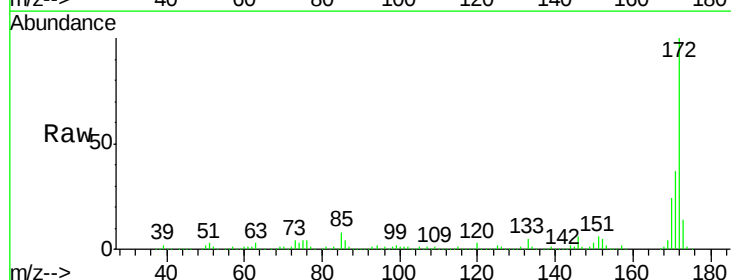
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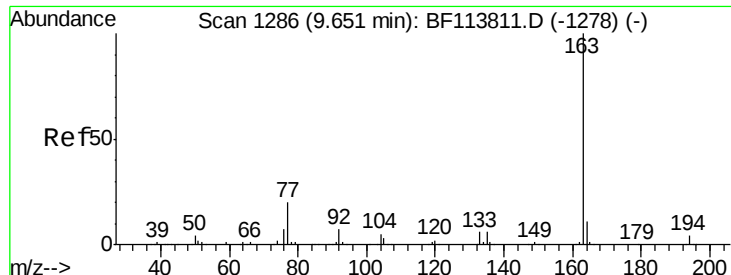
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#45
 2-Fluorobiphenyl
 Concen: 70.727 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113856.D
 Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1211121		
171	36.9	29.4	44.0	
170	24.3	19.9	29.9	





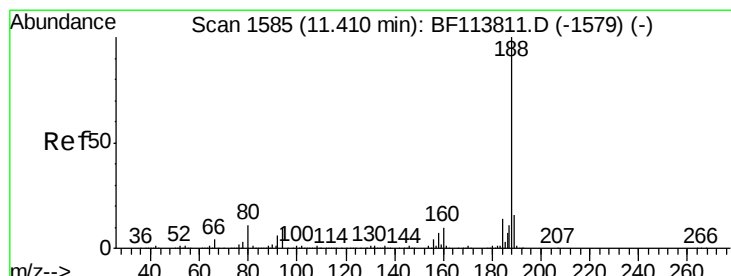
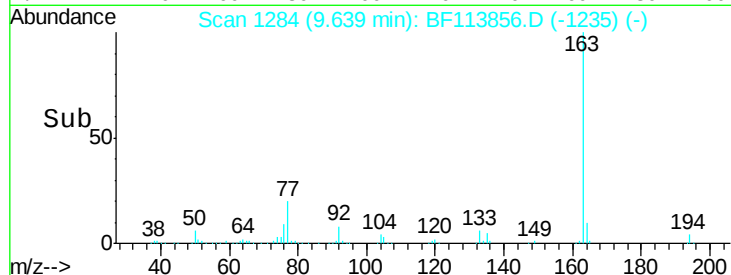
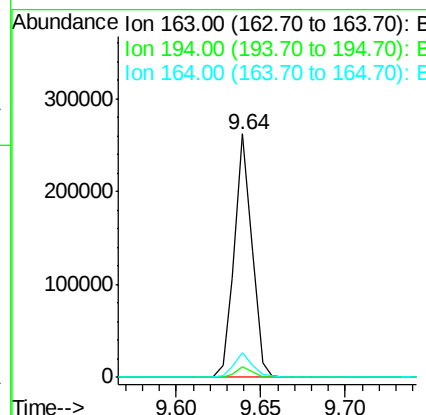
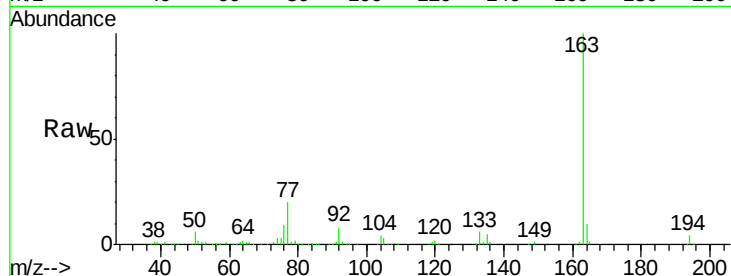
#50
Dimethylphthalate
Concen: 10.349 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.4	5.2
164	10.2	8.5	12.7

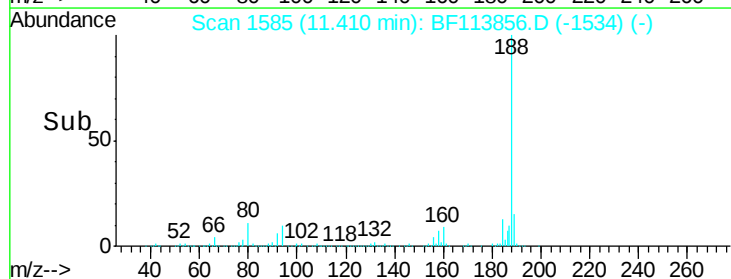
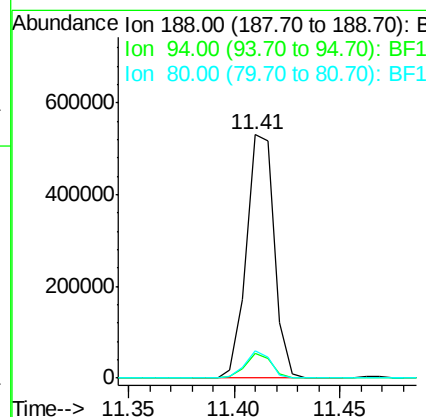
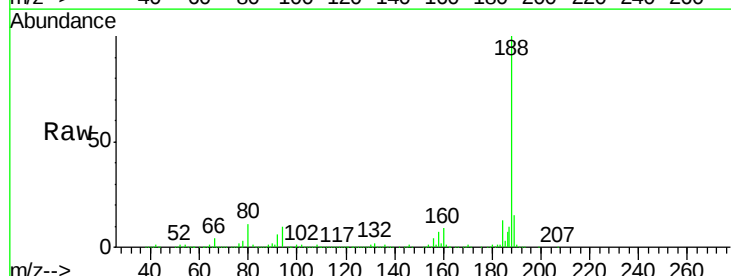
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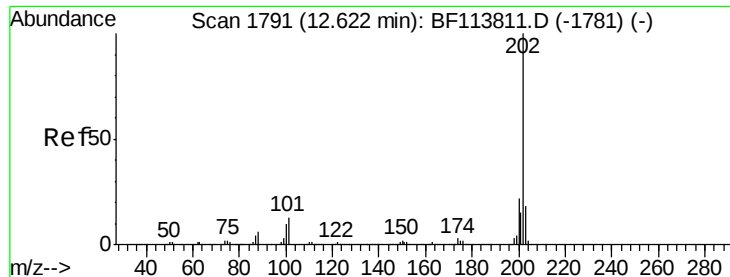
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	8.2	12.4
80	11.3	9.0	13.6





#75

Fluoranthene

Concen: 6.697 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF113856.D

Acq: 19 Apr 2019 14:12

Instrument :

BNA_F

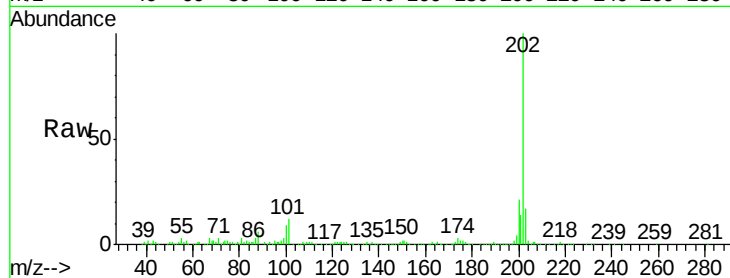
ClientSampleId :

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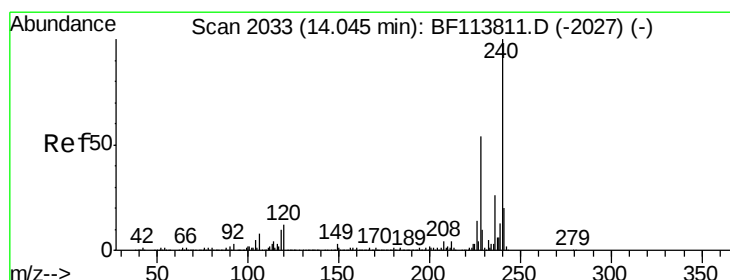
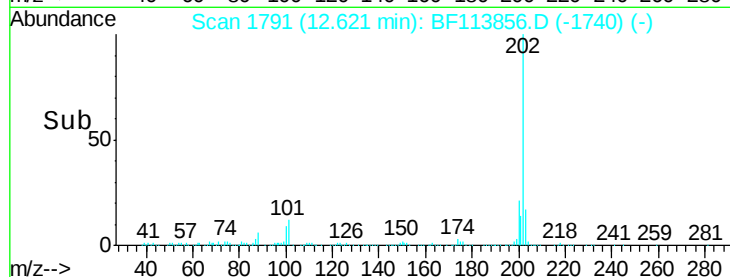
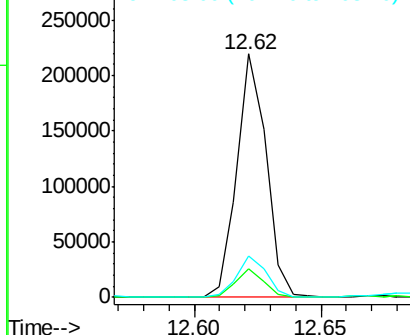
Tgt Ion:	202	Resp:	175132
Ion Ratio		Lower	Upper
202	100		
101	11.6	0.0	32.9
203	17.2	0.0	38.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

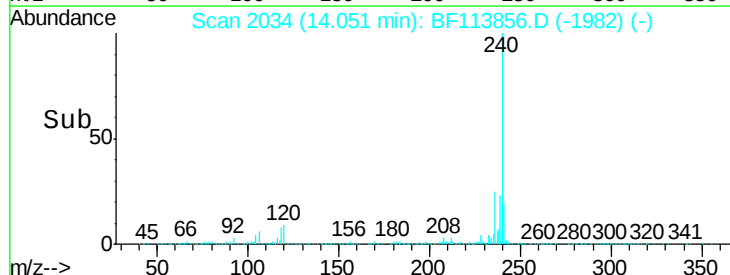
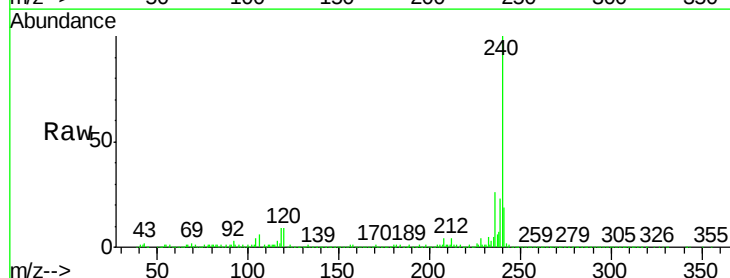
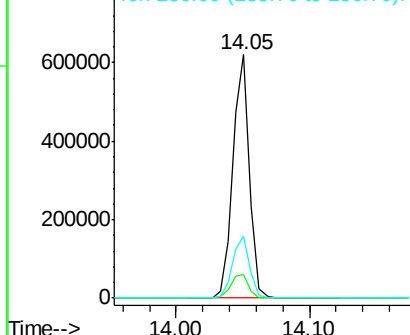
Delta R.T. 0.01 min

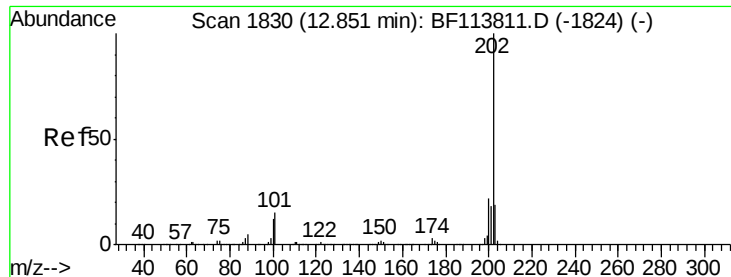
Lab File: BF113856.D

Acq: 19 Apr 2019 14:12

Tgt Ion:	240	Resp:	535114
Ion Ratio		Lower	Upper
240	100		
120	9.5	9.3	13.9
236	25.6	21.2	31.8

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

Pyrene

Concen: 4.794 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF113856.D

Acq: 19 Apr 2019 14:12

Instrument :

BNA_F

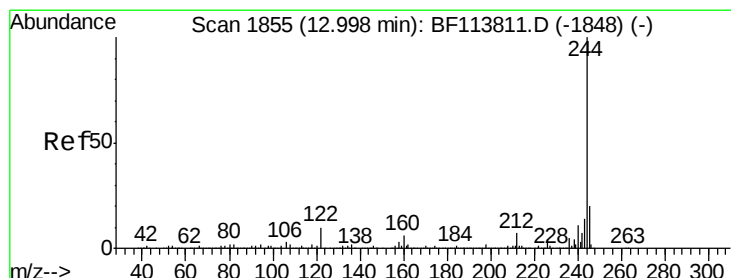
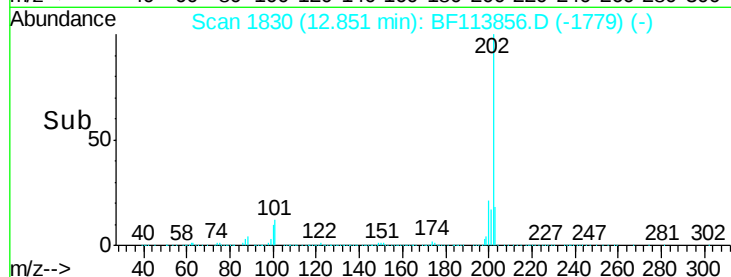
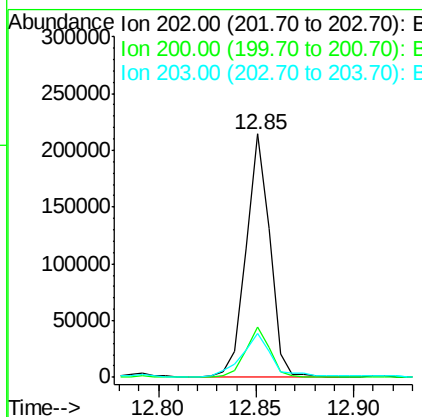
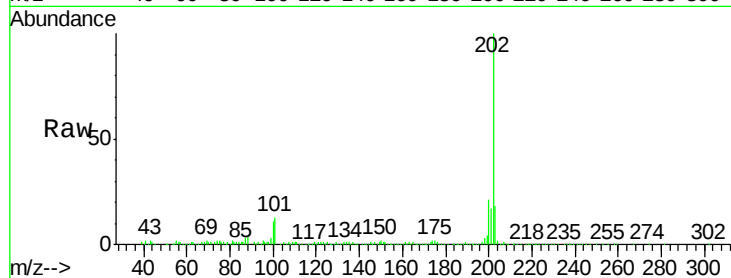
ClientSampleId :

NCC-TOPSOIL-CR

Tgt Ion:	202	Resp:	180784
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.7	26.5
203	18.2	15.0	22.6

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#79

Terphenyl-d14

Concen: 55.763 ng

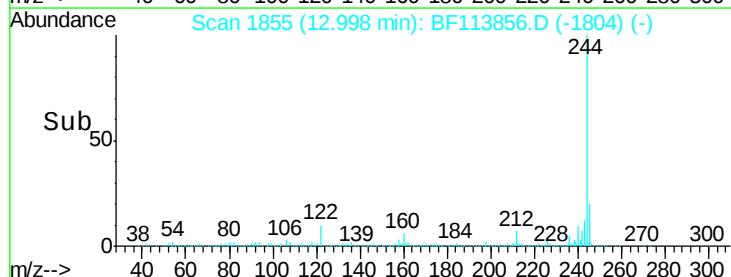
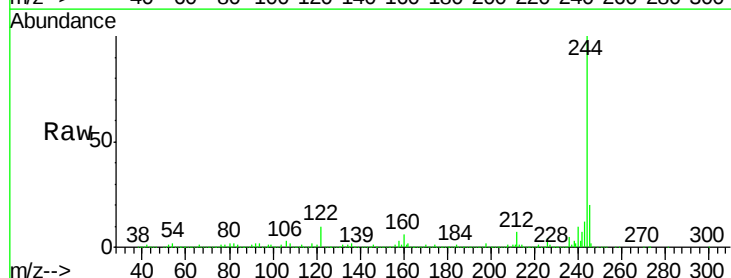
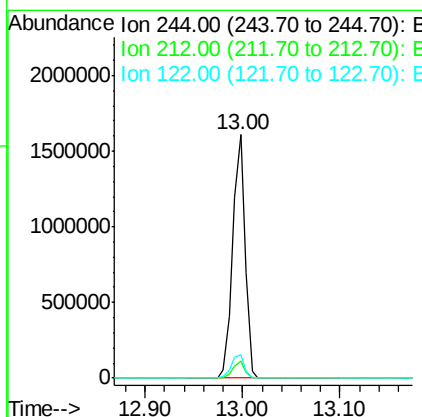
RT: 13.00 min Scan# 1855

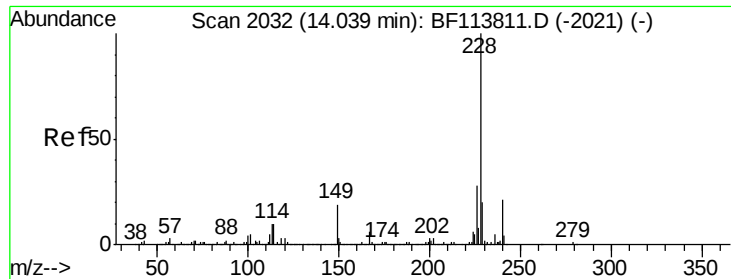
Delta R.T. -0.00 min

Lab File: BF113856.D

Acq: 19 Apr 2019 14:12

Tgt Ion:	244	Resp:	1422994
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.2
122	9.7	7.6	11.4





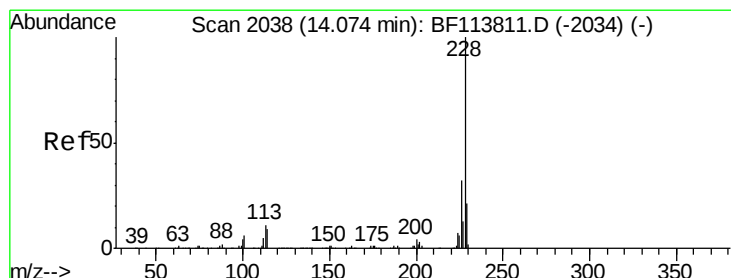
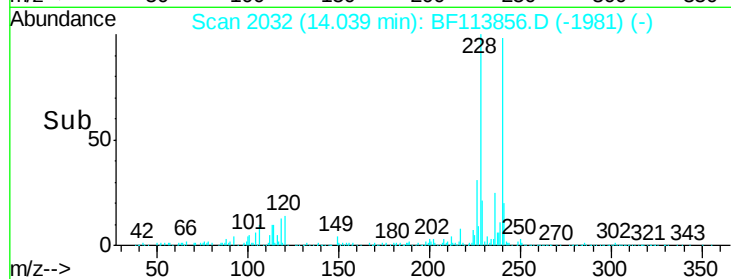
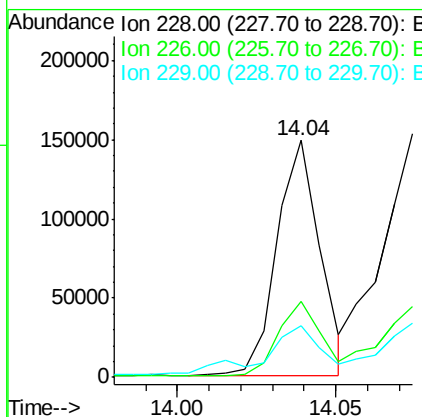
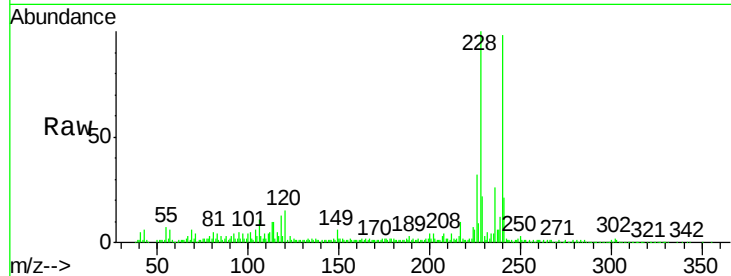
#81
Benzo(a)anthracene
Concen: 4.475 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.2	33.2
229	21.9	16.0	24.0

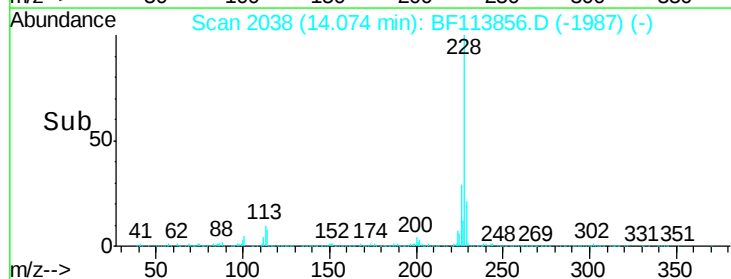
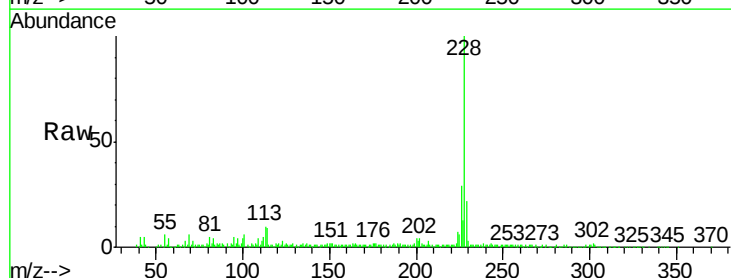
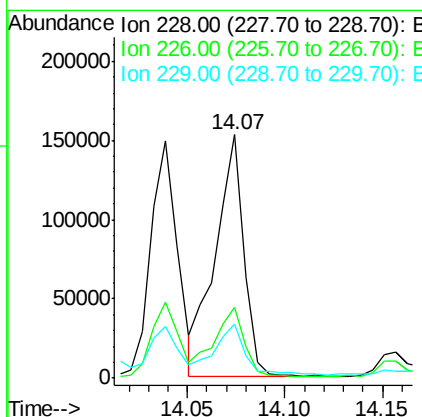
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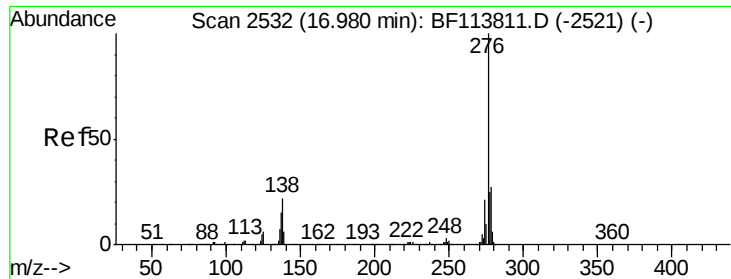
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4/22/2019 7:26:33 PM



#83
Chrysene
Concen: 4.980 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.2	37.8
229	22.2	16.7	25.1





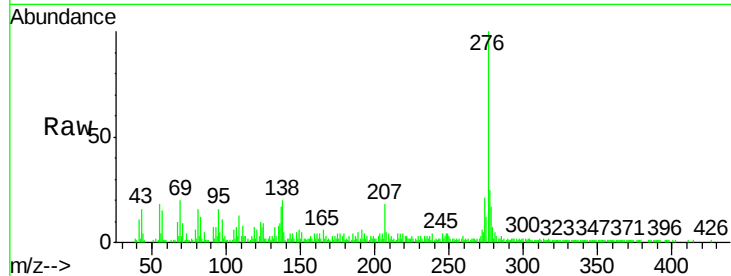
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.924 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. 0.02 min
 Lab File: BF113856.D
 Acq: 19 Apr 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :
 NCC-TOPSOIL-CR

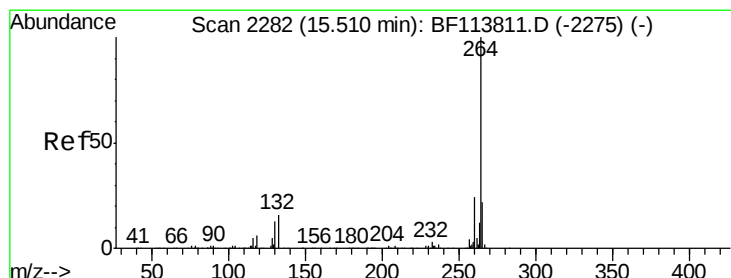
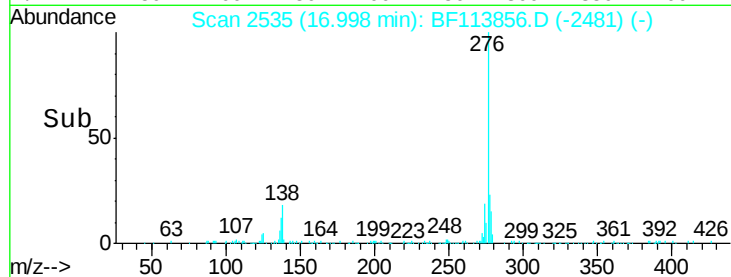
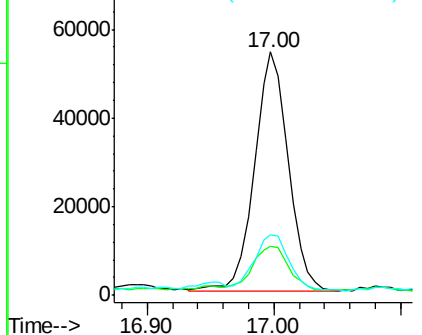
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.6	29.4
277	24.6	20.2	30.4

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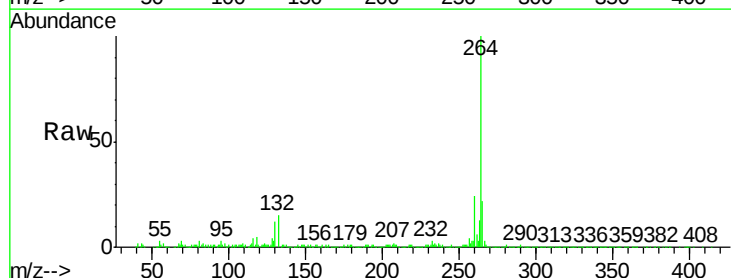


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

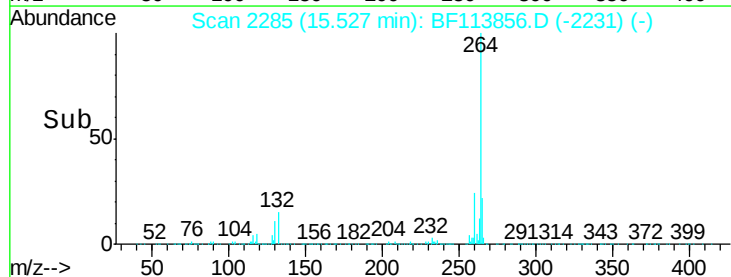
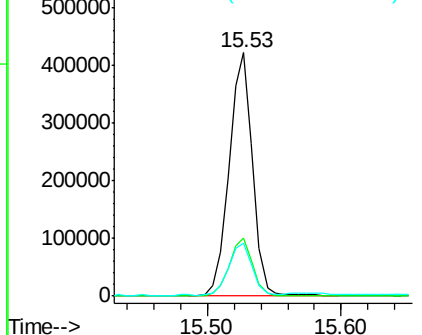


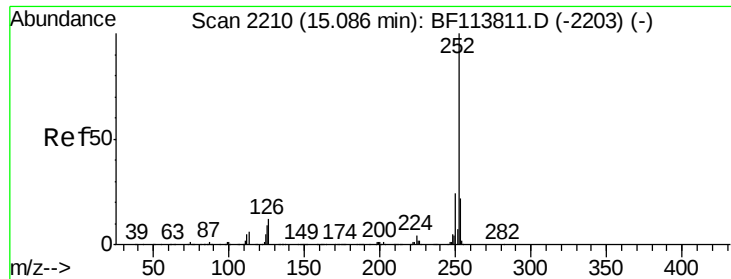
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. 0.02 min
 Lab File: BF113856.D
 Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.0	17.3	25.9



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





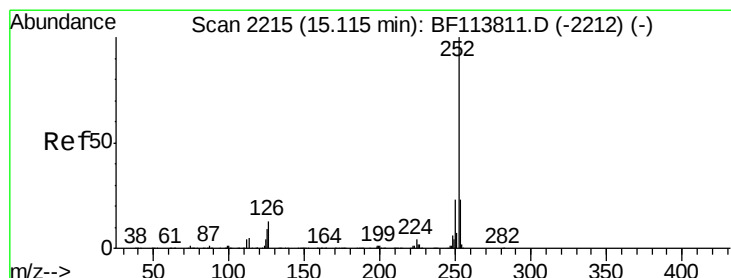
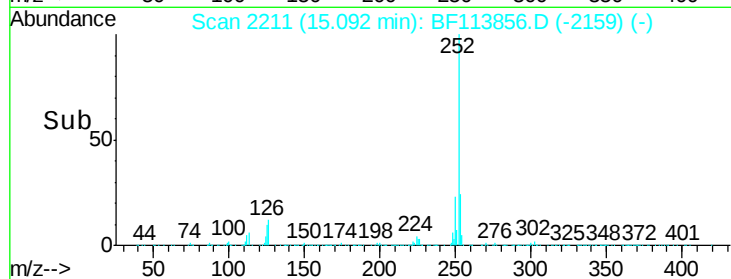
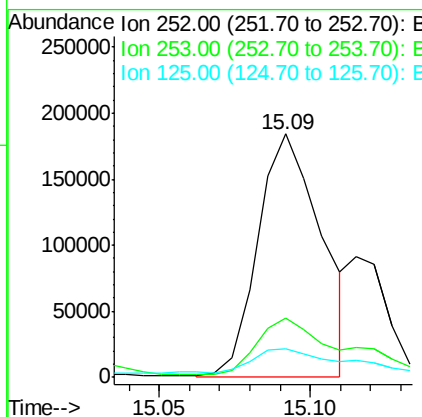
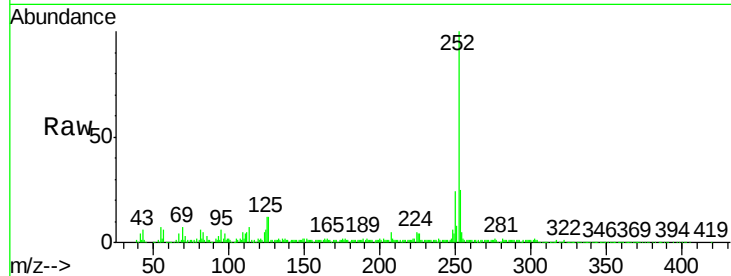
#88
Benzo(b)fluoranthene
Concen: 8.403 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	11.6	7.0	10.6

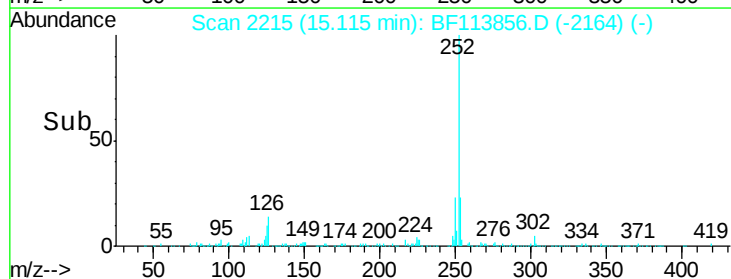
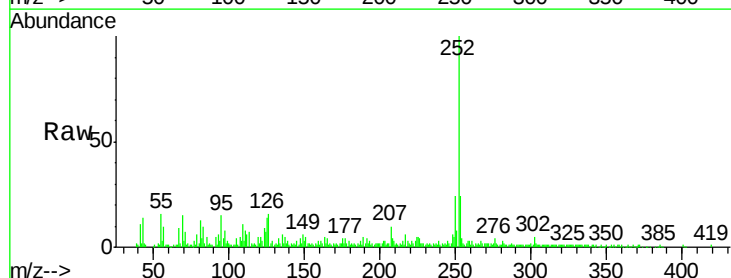
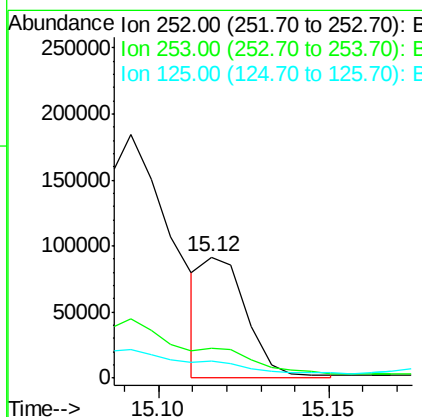
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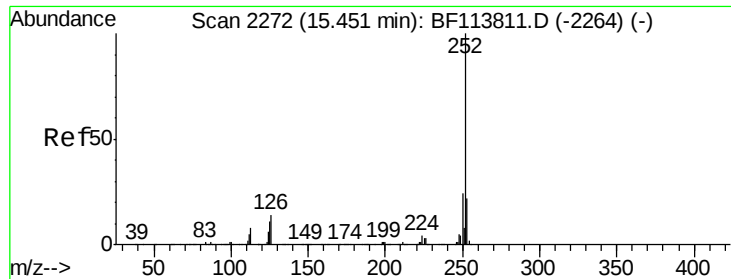
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#89
Benzo(k)fluoranthene
Concen: 2.847 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	14.2	7.4	11.2





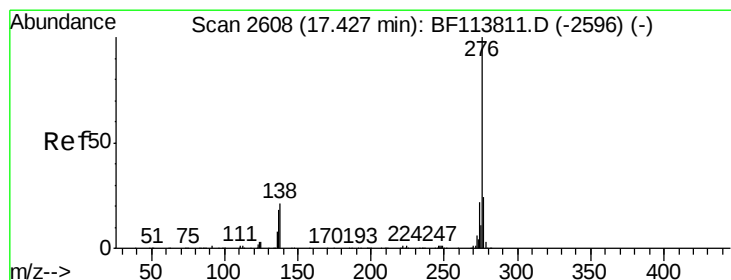
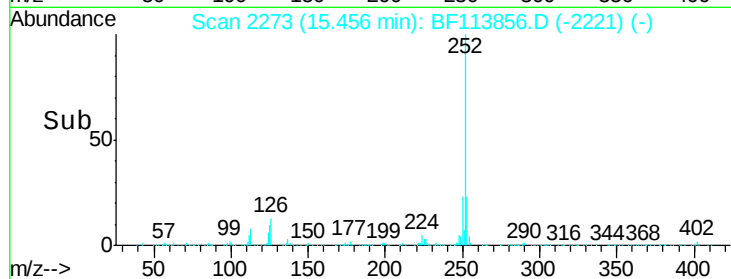
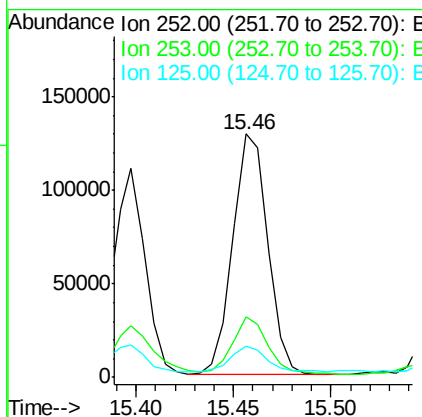
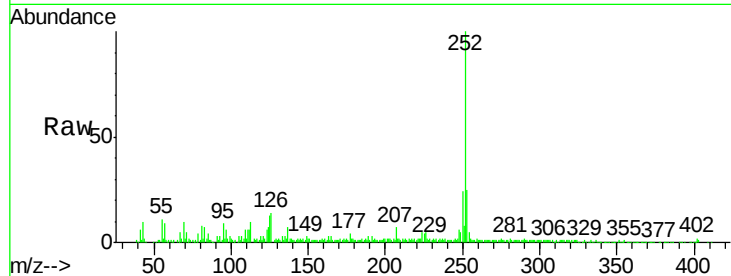
#90
Benzo(a)pyrene
Concen: 5.684 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Instrument :
BNA_F
ClientSampleId :
NCC-TOPSOIL-CR

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.7	17.5	26.3
125	12.7	8.5	12.7

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4/22/2019 7:26:33 PM



#92
Benzo(g,h,i)perylene
Concen: 3.550 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.02 min
Lab File: BF113856.D
Acq: 19 Apr 2019 14:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.5	19.0	28.4
138	22.2	16.6	25.0

