

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113907.D
 Acq On : 23 Apr 2019 4:25
 Operator : JU/SJ
 Sample : K472RE 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Quant Time: Apr 23 06:41:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	189384	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	674738	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	341448	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	704271	20.00	ng	0.00
76) Chrysene-d12	14.06	240	563904	20.00	ng	-0.01
87) Perylene-d12	15.54	264	459689	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	215357	19.45	ng	0.00
7) Phenol-d6	6.52	99	272285	19.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	138710	12.69	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	84049	20.21	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	325188	14.90	ng	0.00
79) Terphenyl-d14	13.00	244	439475	15.98	ng	0.00

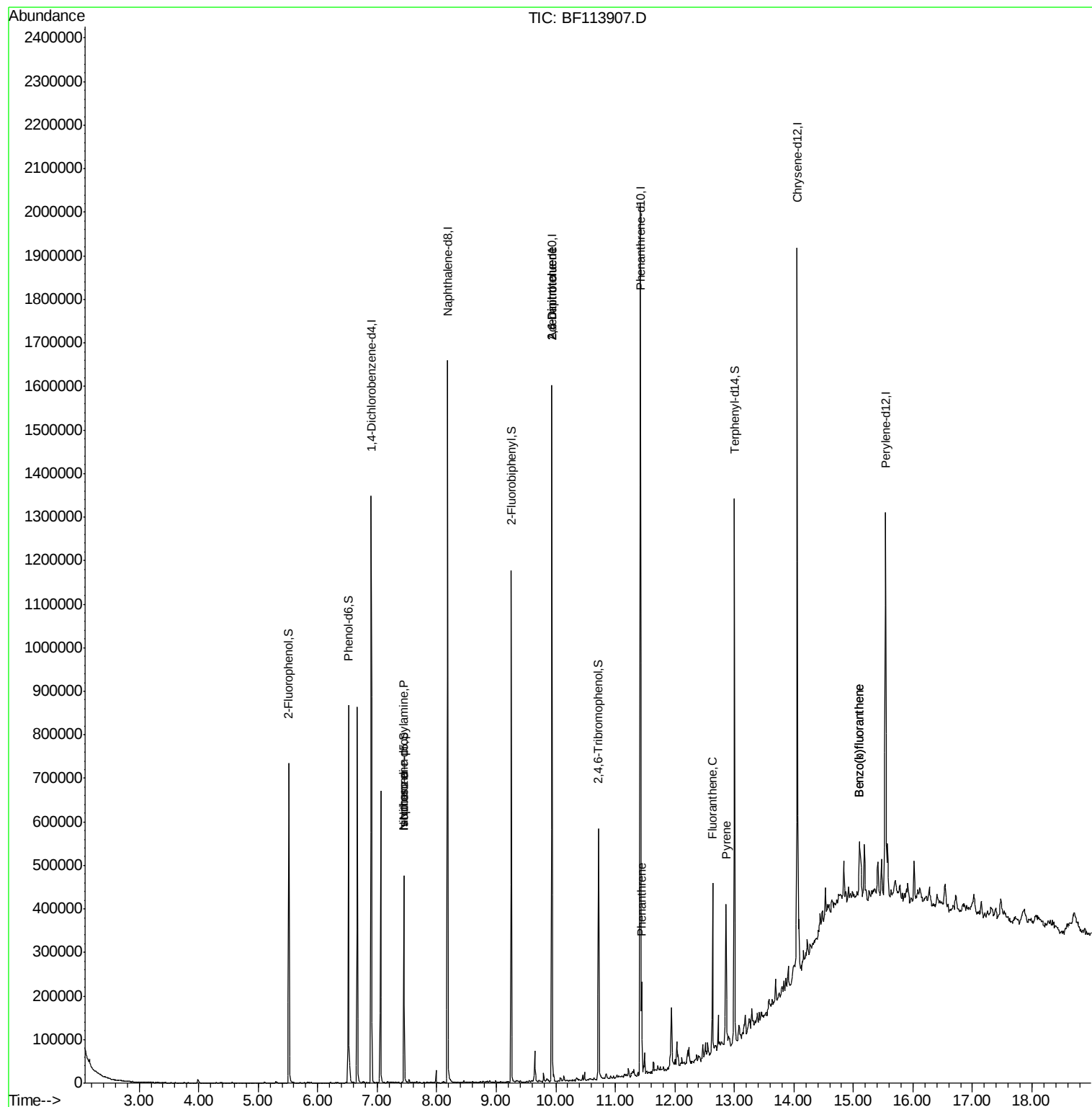
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	450	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	18428	2.048	ng	# 78
25) Isophorone	7.45	82	138708	6.203	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	44545	8.408	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	44545	6.661	ng	# 29
71) Phenanthrene	11.44	178	77930	2.202	ng	96
75) Fluoranthene	12.63	202	149347	3.868	ng	95
78) Pyrene	12.86	202	138910	3.523	ng	97
88) Benzo(b)fluoranthene	15.10	252	92387	3.177	ng	# 89
89) Benzo(k)fluoranthene	15.10	252	92387	3.693	ng	# 90

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

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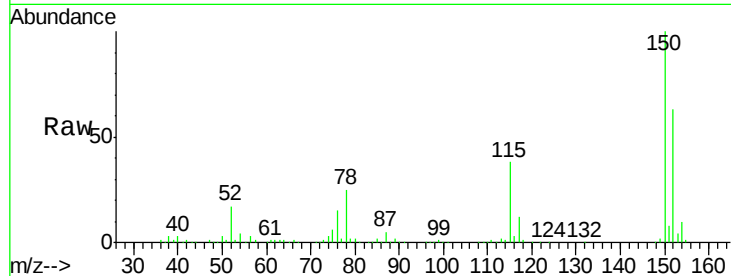


#1

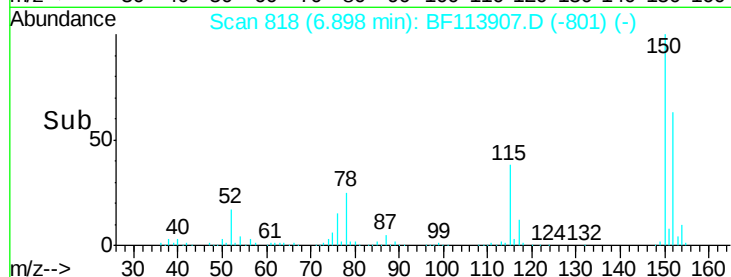
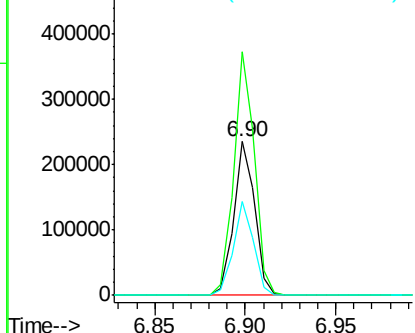
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:152 Resp: 189384
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 60.8 45.9 68.9



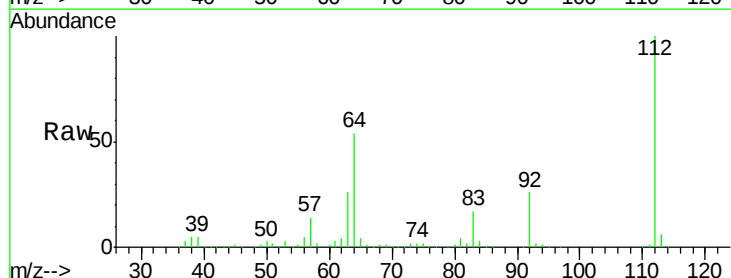
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



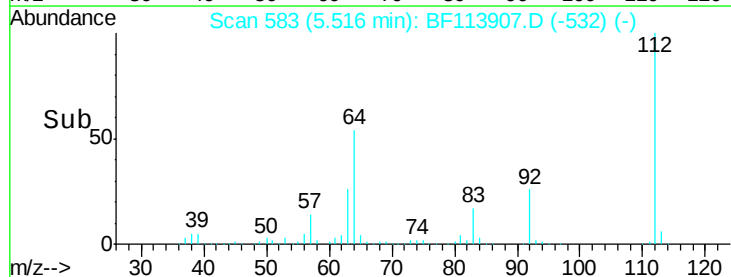
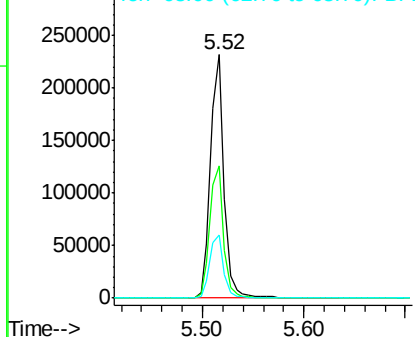
#5

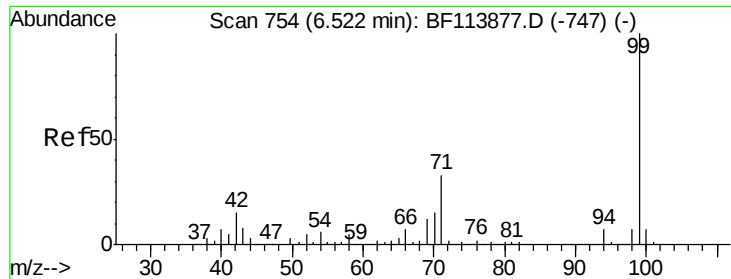
2-Fluorophenol
Concen: 19.449 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Tgt Ion:112 Resp: 215357
Ion Ratio Lower Upper
112 100
64 54.5 46.6 69.8
63 25.9 23.1 34.7



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: 19.600 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

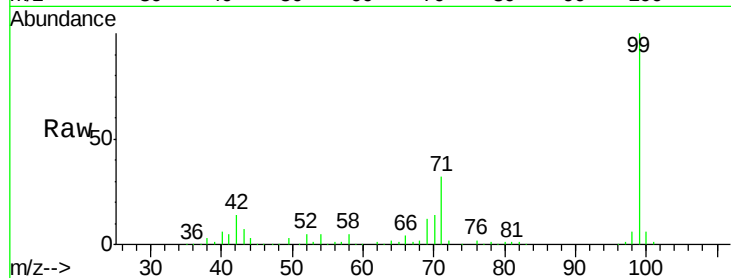
Tot Ion: 99 Resp: 272285

Ion Ratio Lower Upper

99 100

42 14.2 12.5 18.7

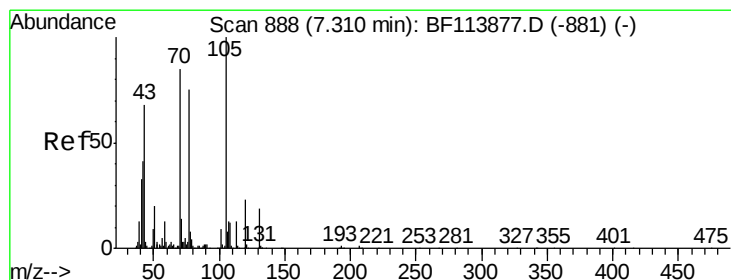
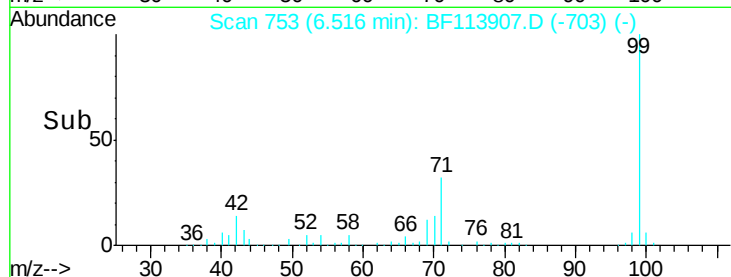
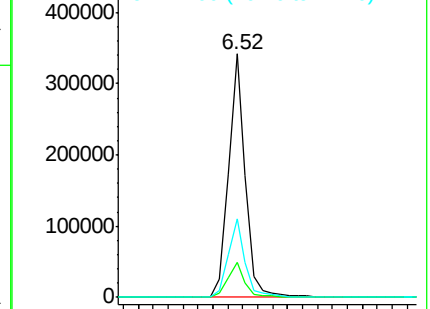
71 32.0 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.048 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Tgt Ion: 70 Resp: 18428

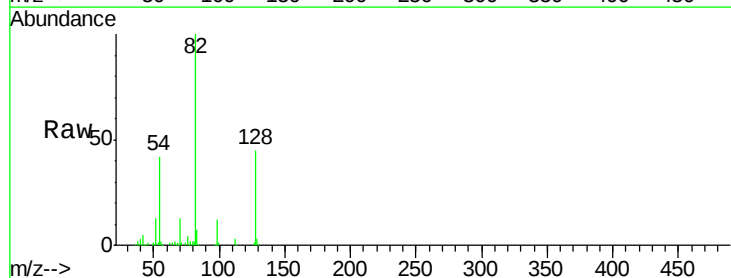
Ion Ratio Lower Upper

70 100

42 39.1 37.3 55.9

101 0.0 7.8 11.8#

130 2.1 18.2 27.2#

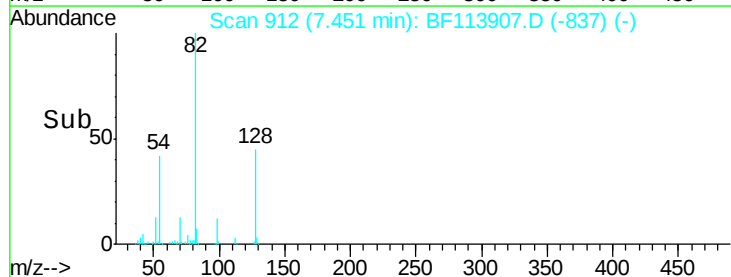
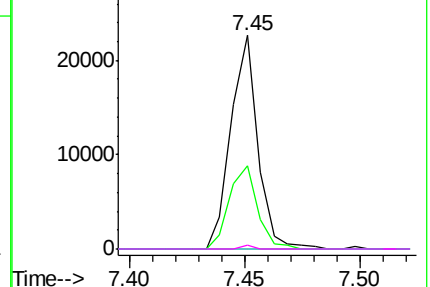


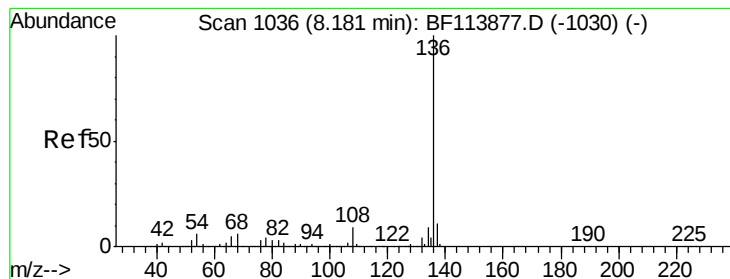
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:136 Resp: 674738

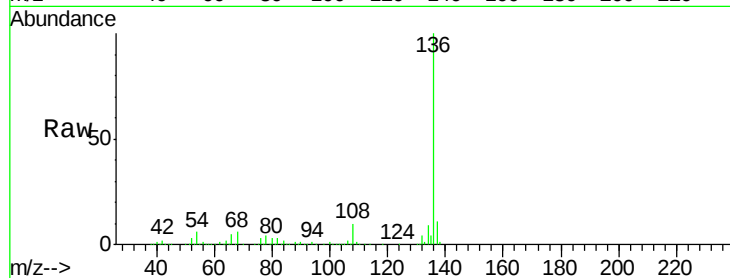
Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

54 6.3 5.0 7.6

68 6.4 4.9 7.3

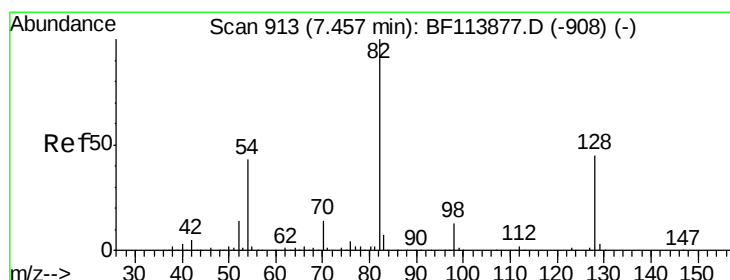
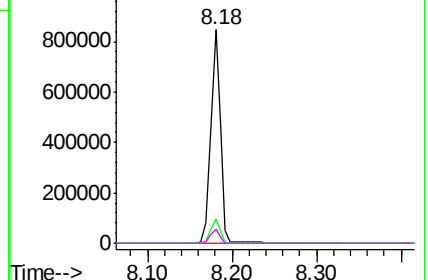
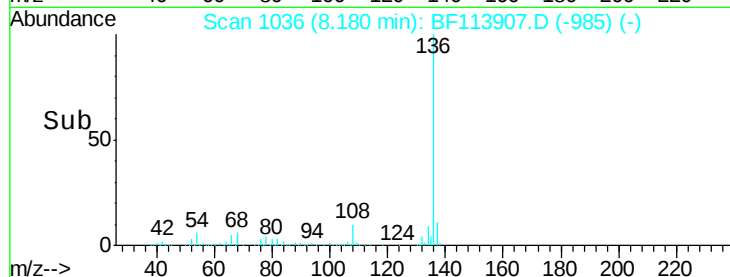


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.693 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

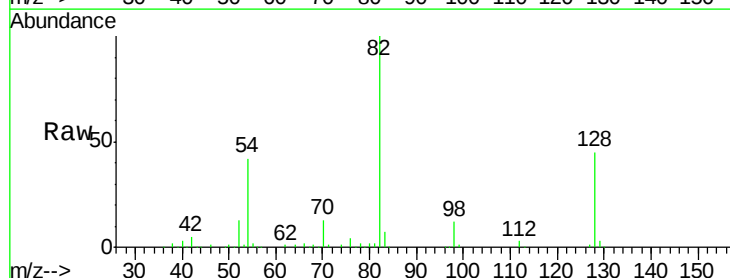
Tgt Ion: 82 Resp: 138710

Ion Ratio Lower Upper

82 100

128 45.3 36.8 55.2

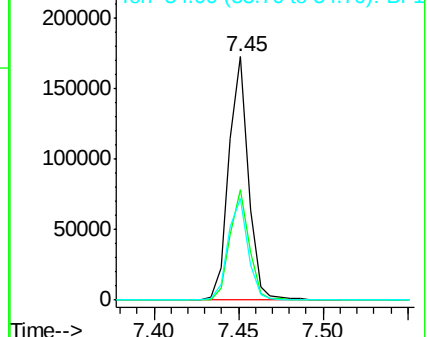
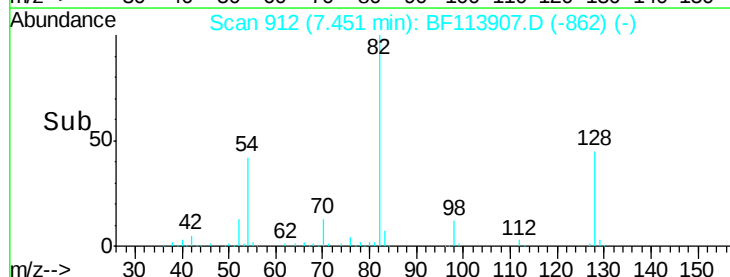
54 41.6 33.8 50.6



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.203 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

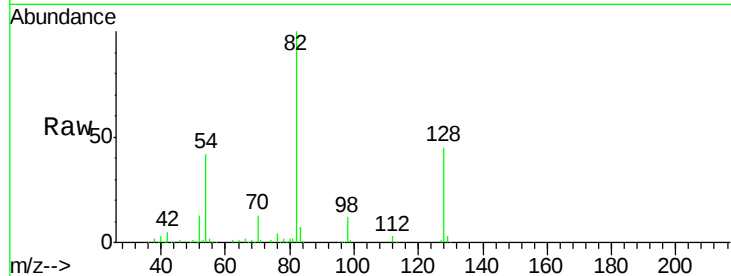
Tot Ion: 82 Resp: 138708

Ion Ratio Lower Upper

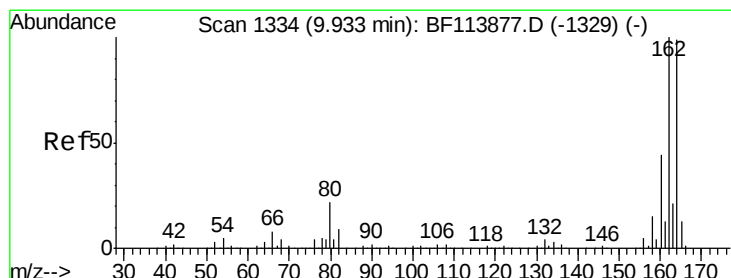
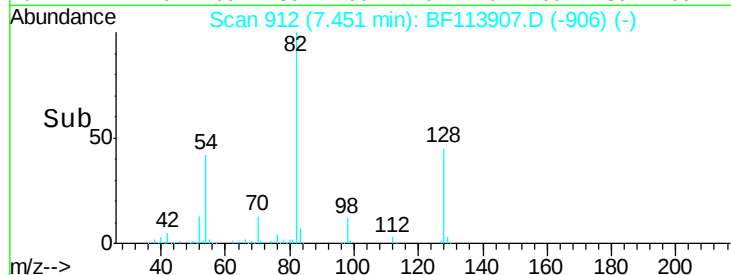
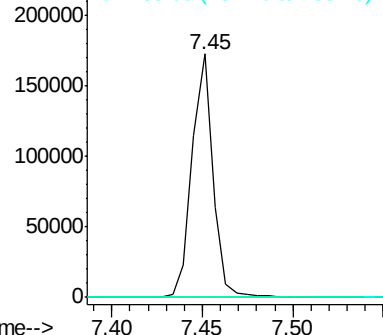
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

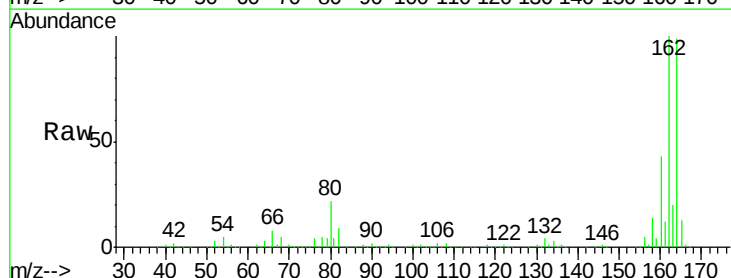
Tgt Ion:164 Resp: 341448

Ion Ratio Lower Upper

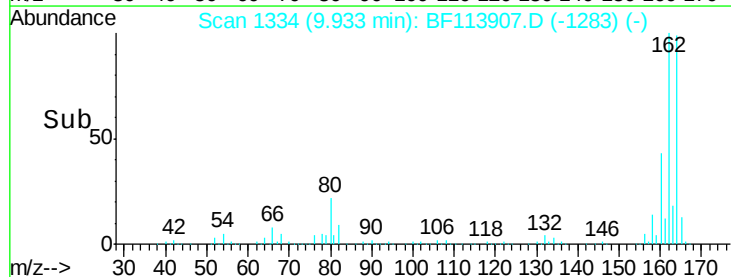
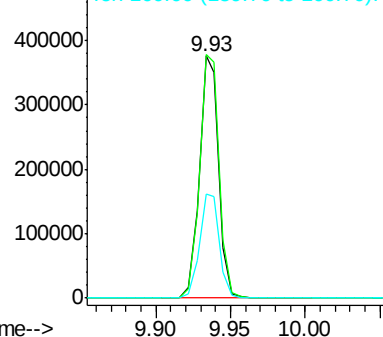
164 100

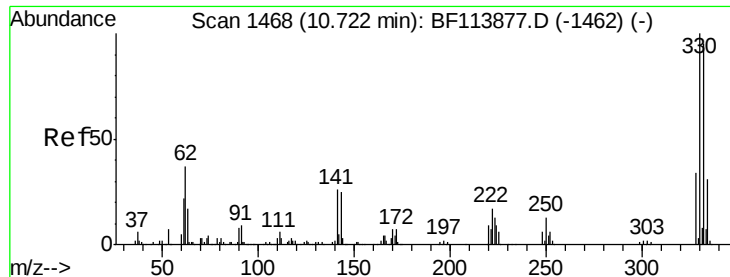
162 100.5 81.1 121.7

160 43.2 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 20.206 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

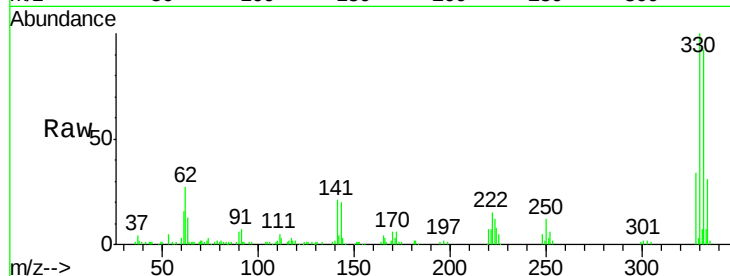
Tot Ion:330 Resp: 84049

Ion Ratio Lower Upper

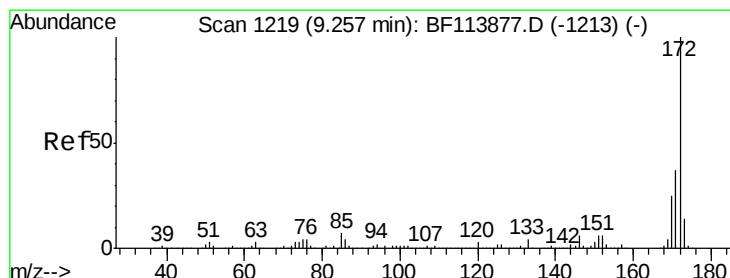
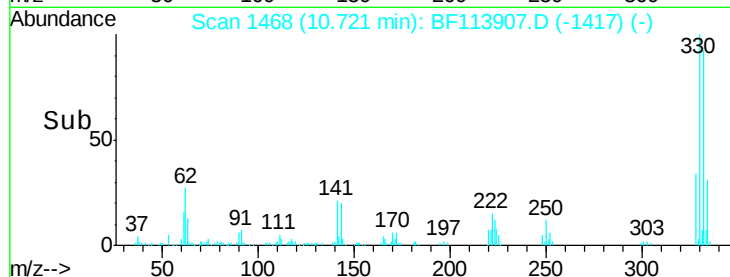
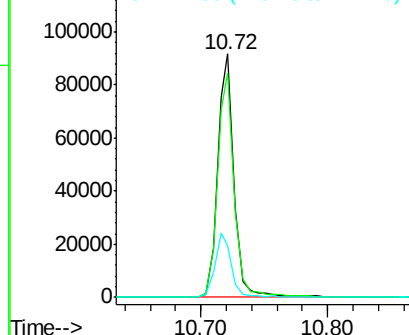
330 100

332 93.8 77.5 116.3

141 26.4 22.2 33.2



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: 14.895 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

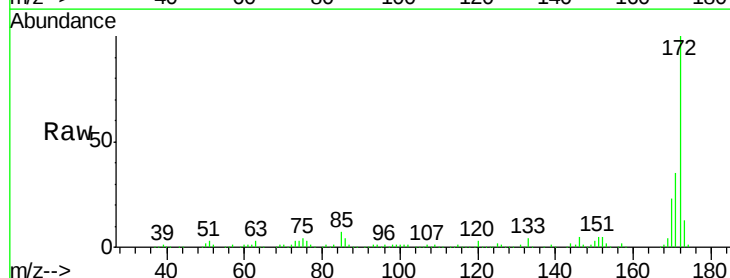
Tgt Ion:172 Resp: 325188

Ion Ratio Lower Upper

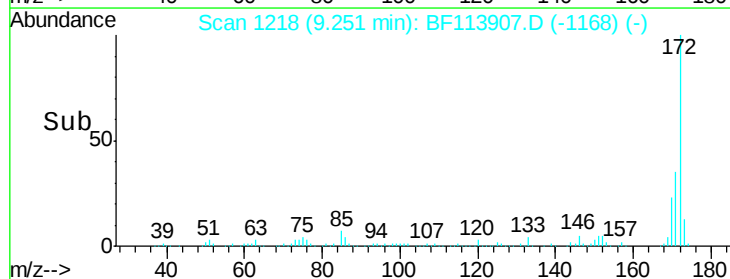
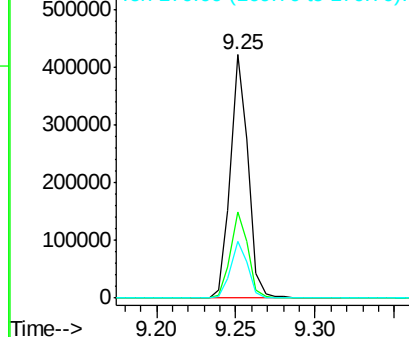
172 100

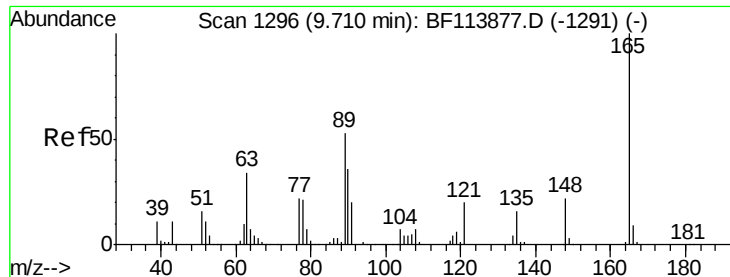
171 35.4 29.4 44.0

170 23.2 19.9 29.9



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

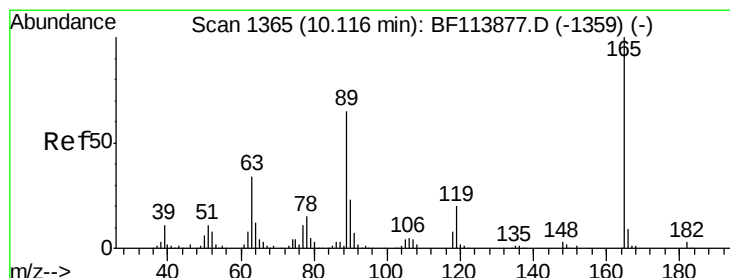
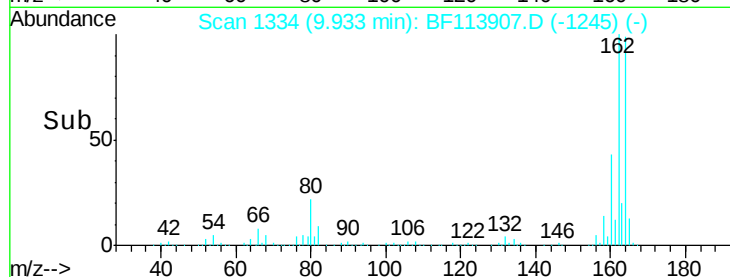
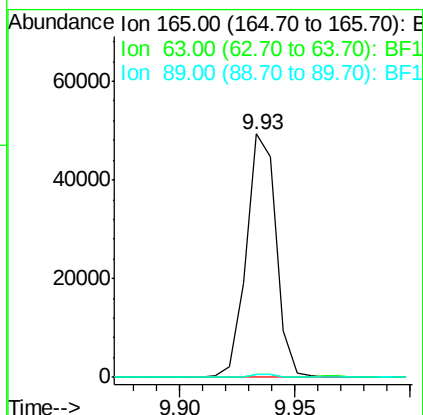
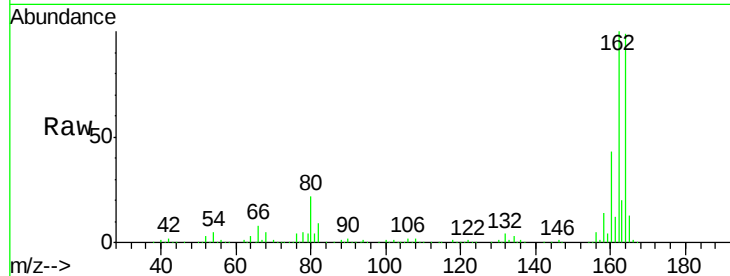




#51
 2,6-Dinitrotoluene
 Concen: 8.408 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

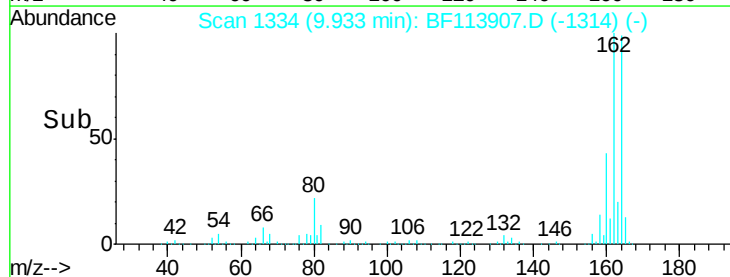
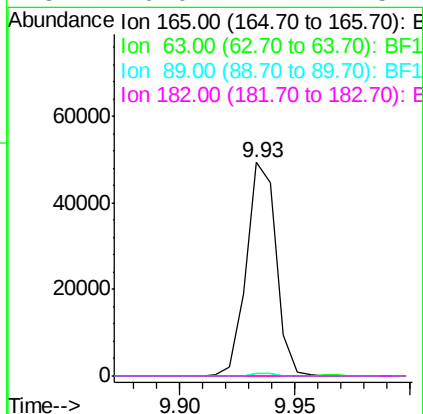
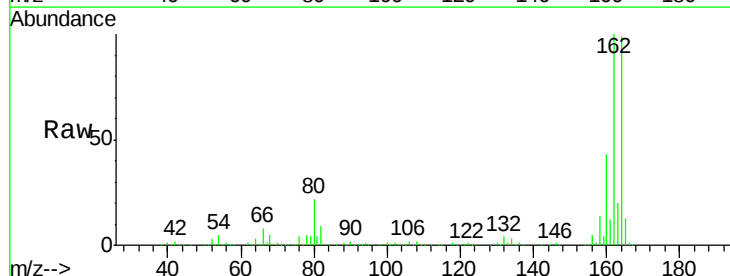
Instrument :
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 EXCAVATION-NEWARK-SOUTH-PIL

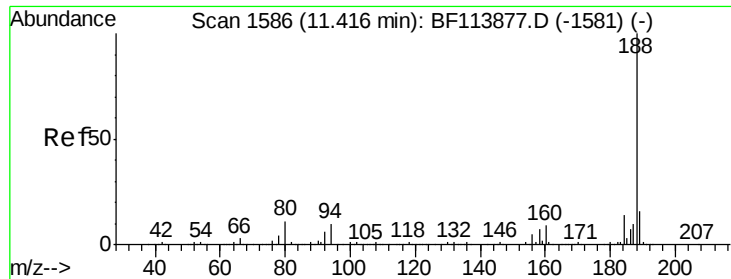
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.1	38.2	57.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.661 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.4	41.0#
89	1.1	51.8	77.6#
182	0.0	2.2	3.2#

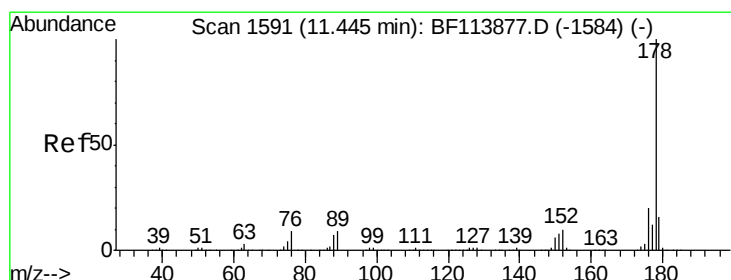
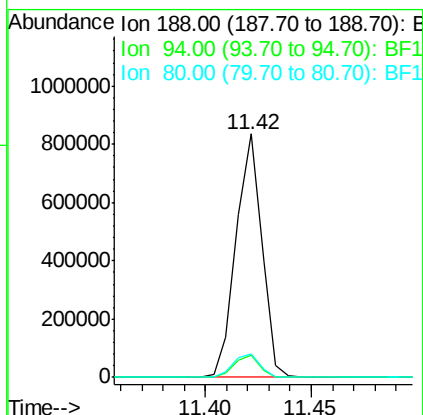
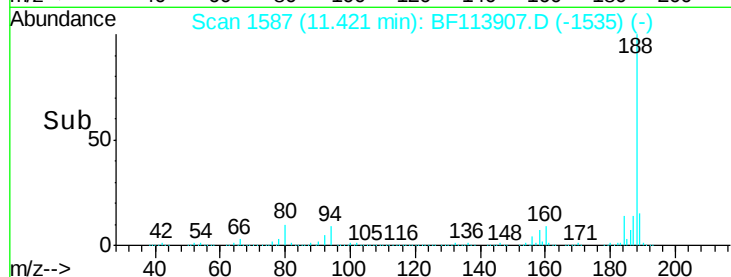
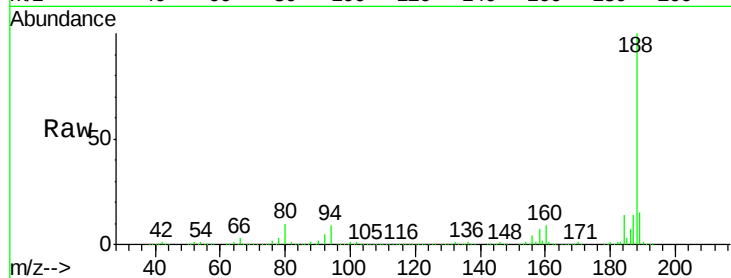




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

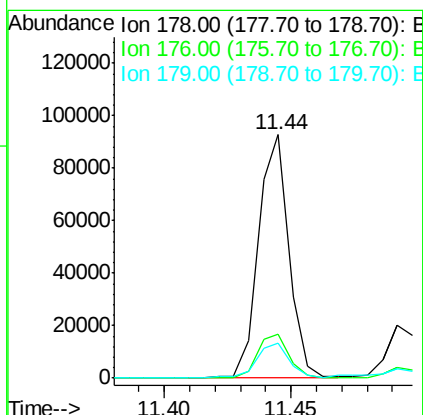
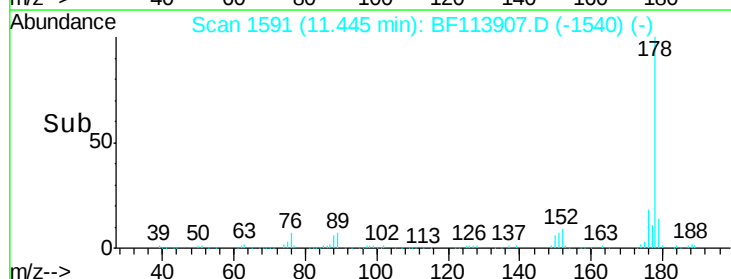
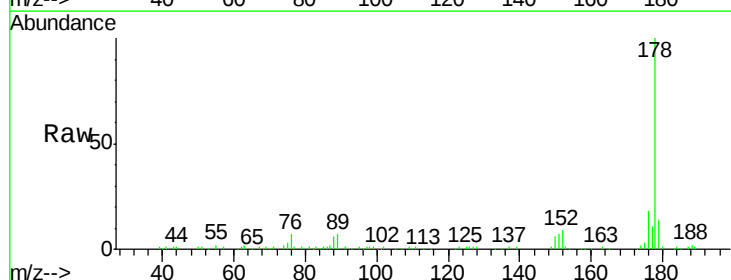
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

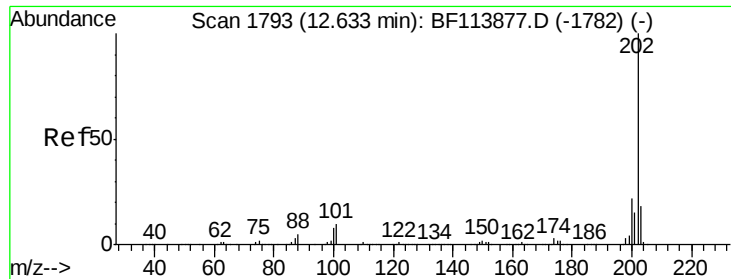
Tot Ion:188 Resp: 704271
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.4
80 9.9 9.0 13.6



#71
Phenanthrene
Concen: 2.202 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF113907.D
Acq: 23 Apr 2019 4:25

Tgt Ion:178 Resp: 77930
Ion Ratio Lower Upper
178 100
176 18.1 16.1 24.1
179 14.5 12.8 19.2





#75

Fluoranthene

Concen: 3.868 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

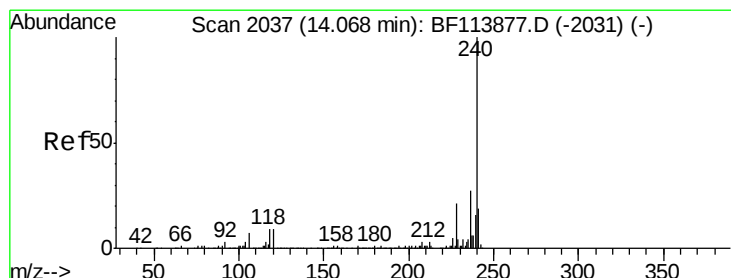
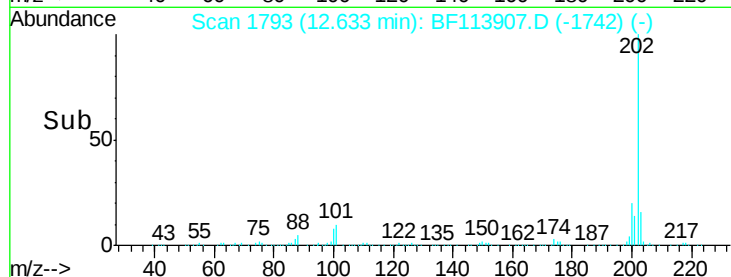
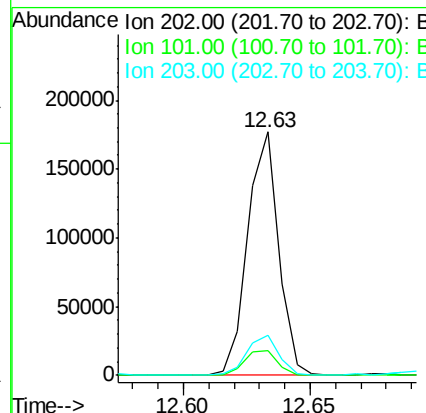
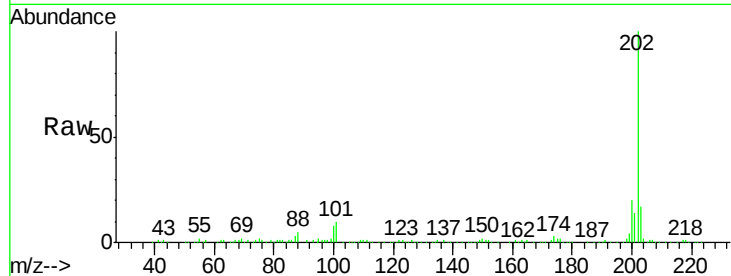
Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:	202	Resp:	149347
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.9
203	16.6	0.0	38.2



#76

Chrysene-d12

Concen: 20.000 ng

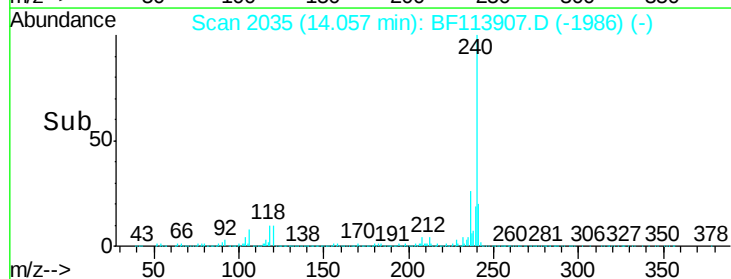
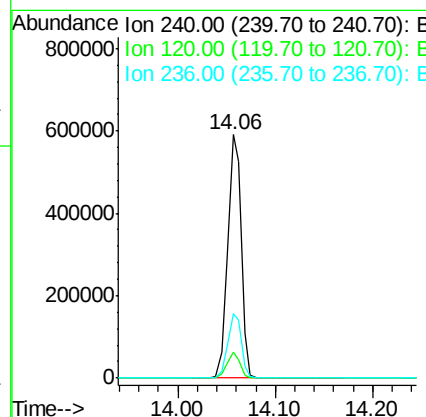
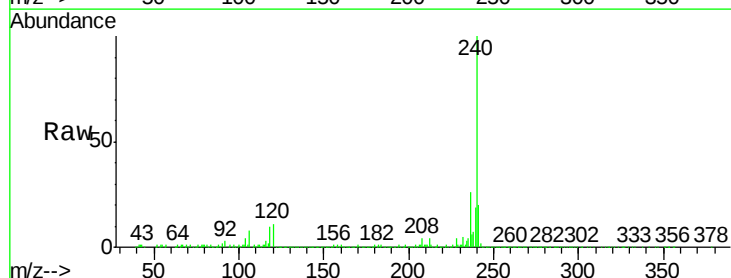
RT: 14.06 min Scan# 2035

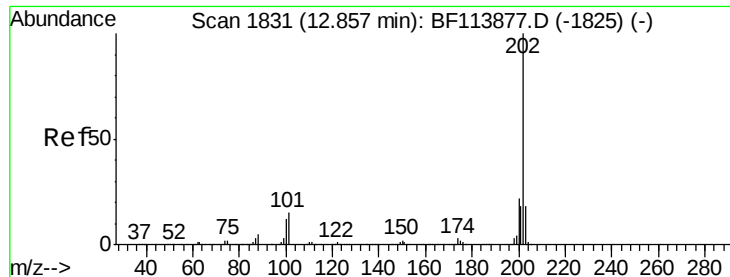
Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Tgt Ion:	240	Resp:	563904
Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.3	13.9
236	26.3	21.2	31.8





#78

Pvrene

Concen: 3.523 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

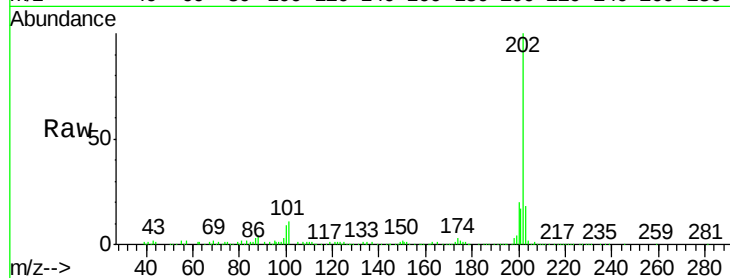
Tot Ion:202 Resp: 138910

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

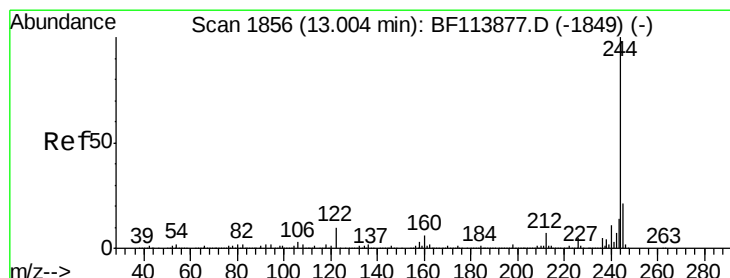
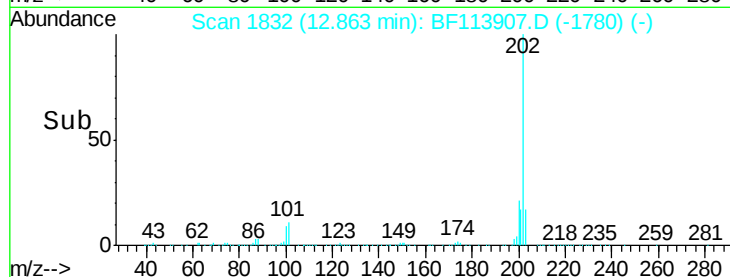
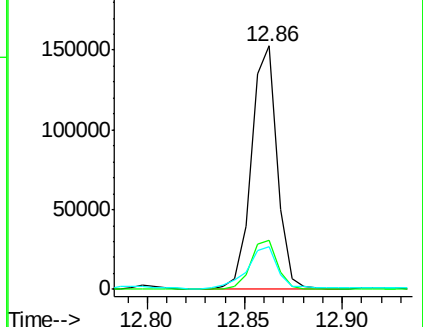
203 17.5 15.0 22.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 15.978 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

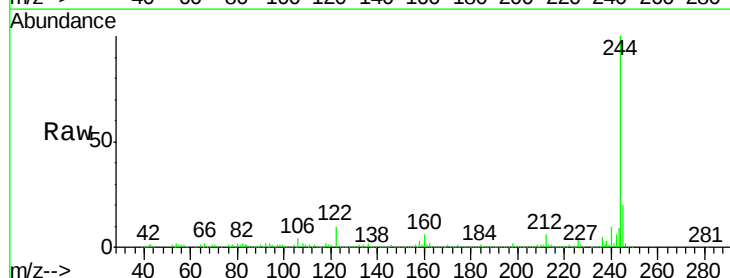
Tgt Ion:244 Resp: 439475

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

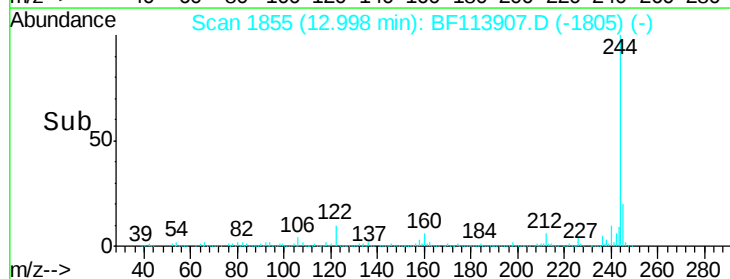
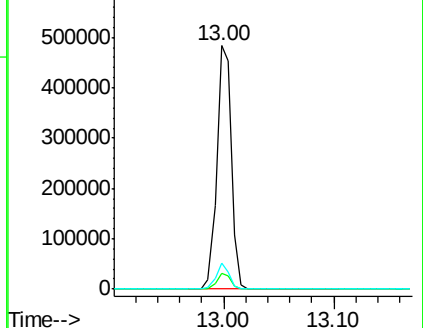
122 10.5 7.6 11.4

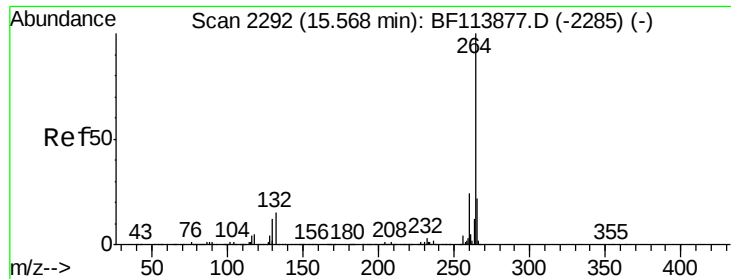


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.03 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

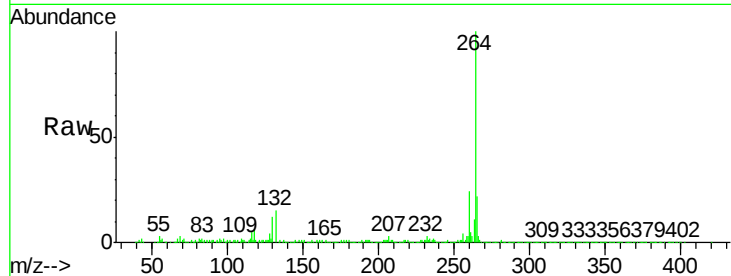
Tot Ion:264 Resp: 459689

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

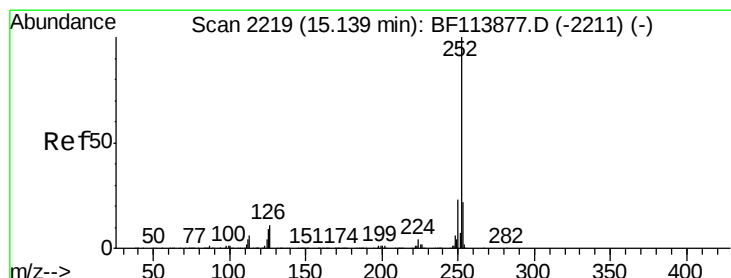
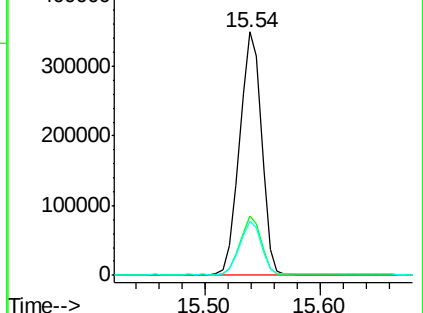
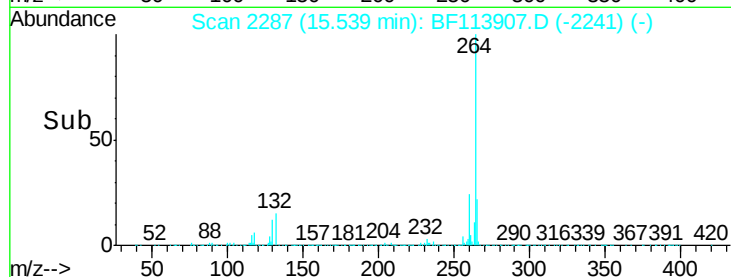
265 22.4 17.3 25.9



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: 3.177 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.04 min

Lab File: BF113907.D

Acq: 23 Apr 2019 4:25

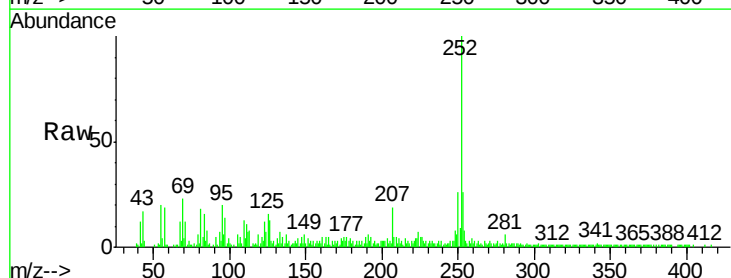
Tgt Ion:252 Resp: 92387

Ion Ratio Lower Upper

252 100

253 26.1 17.8 26.6

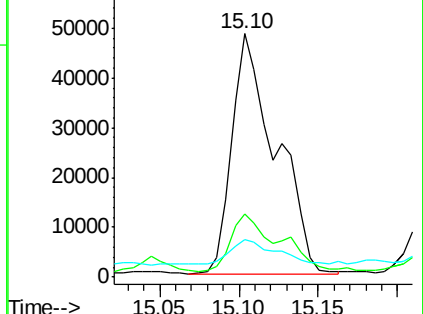
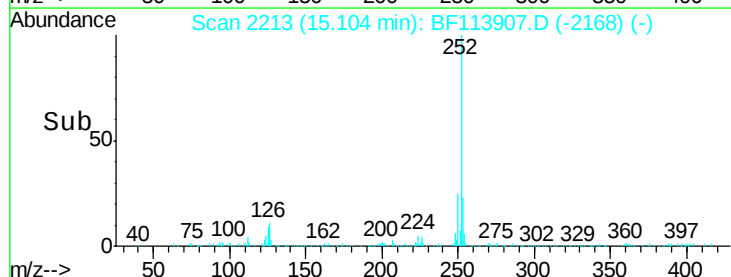
125 15.5 7.0 10.6#

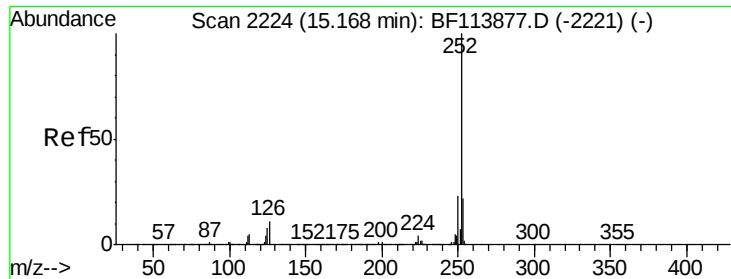


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

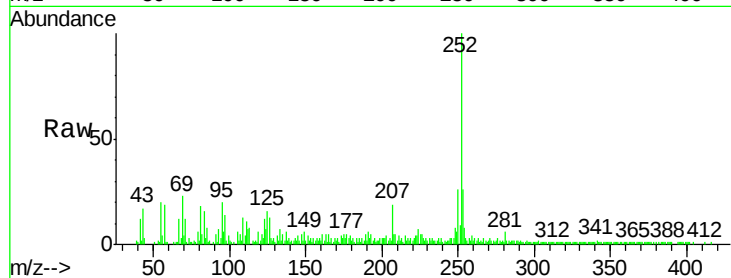




#89
 Benzo(k)fluoranthene
 Concen: 3.693 ng
 RT: 15.10 min Scan# 2213
 Delta R.T. -0.06 min
 Lab File: BF113907.D
 Acq: 23 Apr 2019 4:25

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.2
125	15.5	7.4	11.2



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

