

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113892.D
 Acq On : 22 Apr 2019 21:50
 Operator : JU/SJ
 Sample : K2515-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: Apr 23 03:55:51 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	6.89	152	118492	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	413053	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	194057	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	327901	20.00	ng	0.00
76) Chrysene-d12	14.04	240	289750	20.00	ng	-0.02
87) Perylene-d12	15.53	264	371754	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1304460	188.29	ng	0.00
7) Phenol-d6	6.53	99	1645728	189.34	ng	0.00
23) Nitrobenzene-d5	7.45	82	1011157	151.15	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	448446	189.70	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1841618	148.43	ng	0.00
79) Terphenyl-d14	13.00	244	1745471	123.50	ng	0.00

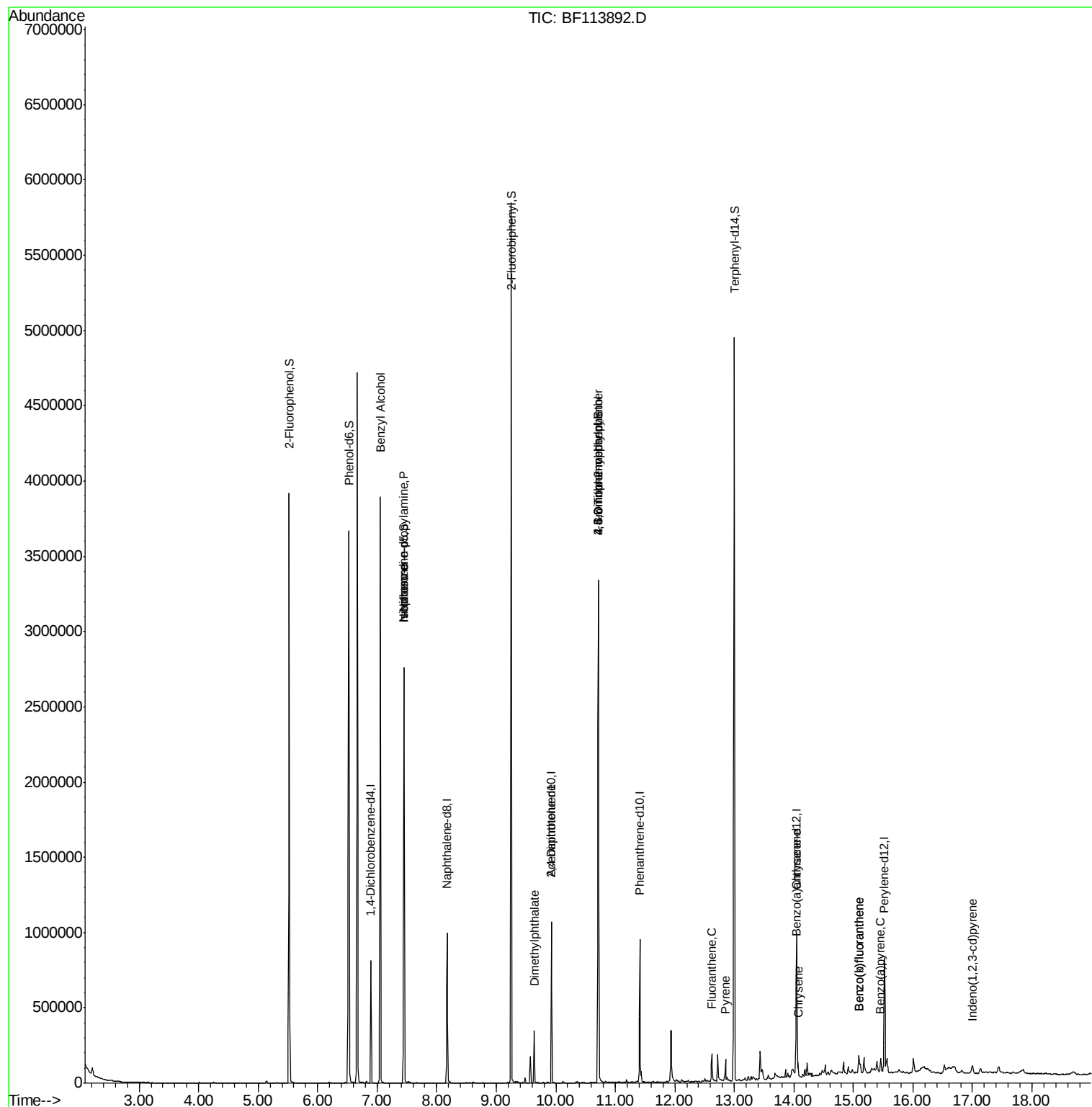
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	2562	Below Cal		# 3
15) Benzyl Alcohol	7.05	79	17229	2.943	ng	# 43
19) n-Nitroso-di-n-propylamine	7.45	70	136894	24.320	ng	# 79
25) Isophorone	7.45	82	1011147	73.869	ng	# 65
50) Dimethylphthalate	9.64	163	140924	10.041	ng	# 98
57) 2,4-Dinitrotoluene	9.93	165	24785	6.522	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.72	198	741	7.726	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	28064	7.085	ng	# 1
75) Fluoranthene	12.62	202	66084	3.676	ng	# 97
78) Pyrene	12.85	202	58421	2.883	ng	# 98
81) Benzo(a)anthracene	14.03	228	37126	2.175	ng	# 98
83) Chrysene	14.07	228	38054	2.289	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.00	276	36493	2.317	ng	# 95
88) Benzo(b)fluoranthene	15.09	252	83973	3.570	ng	# 97
89) Benzo(k)fluoranthene	15.09	252	83973	4.151	ng	# 99
90) Benzo(a)pyrene	15.46	252	44017	2.164	ng	# 96

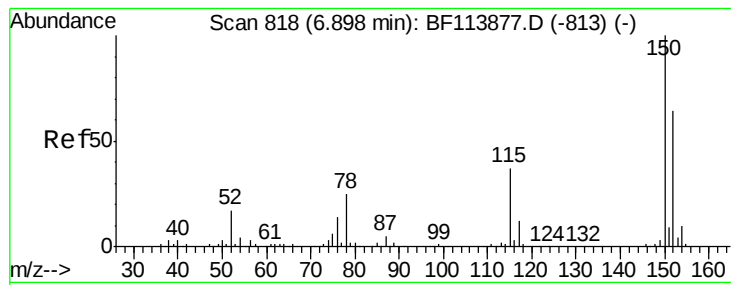
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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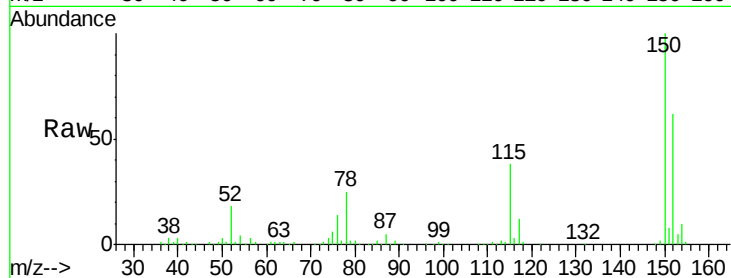




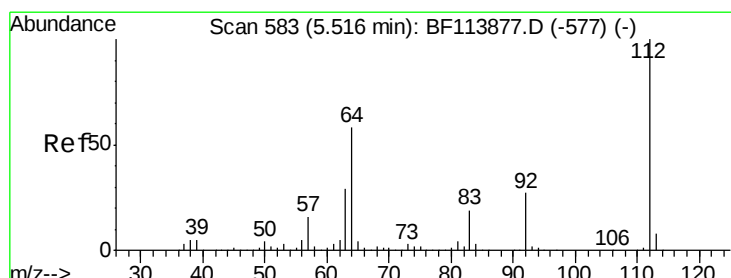
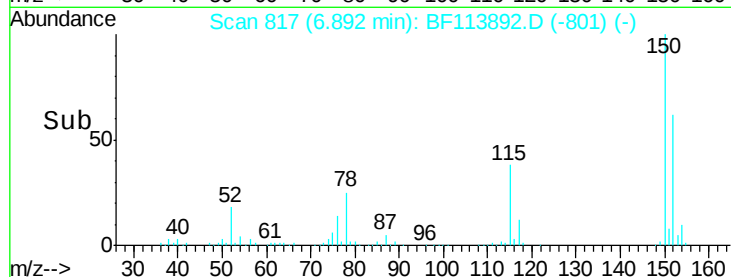
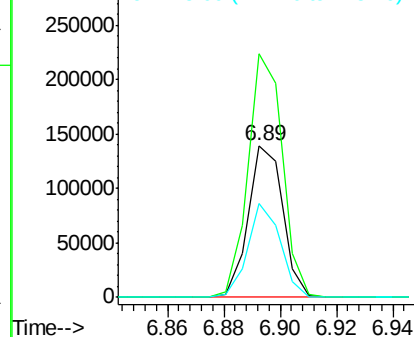
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

Instrument :
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 ClientSampleId :
 TP-13

Tot Ion:152 Resp: 118492
 Ion Ratio Lower Upper
 152 100
 150 160.5 125.9 188.9
 115 61.6 45.9 68.9

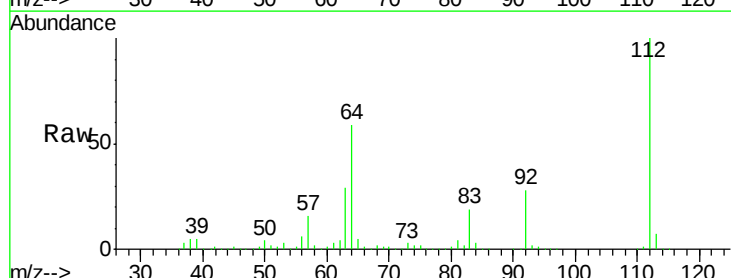


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

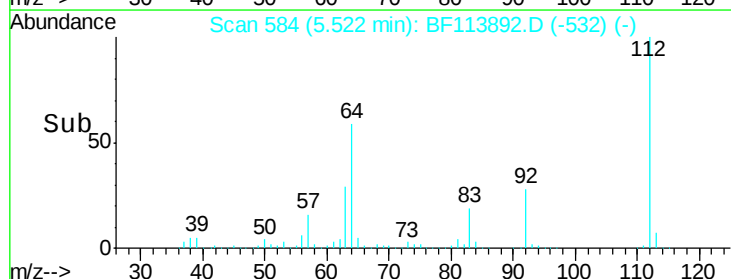
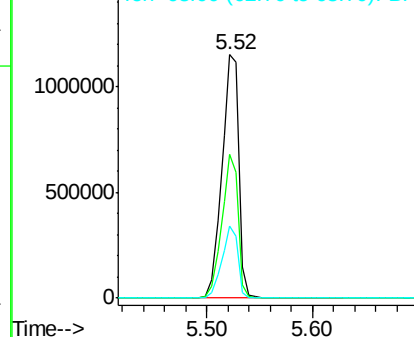


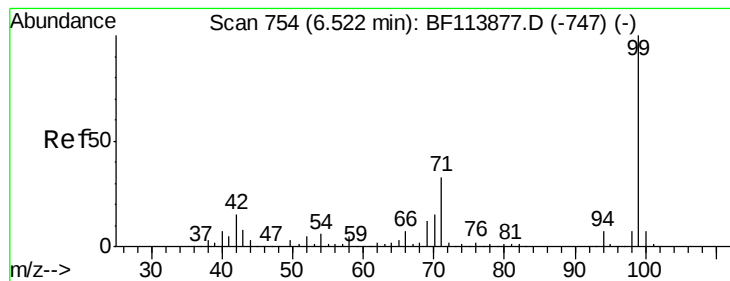
#5
 2-Fluorophenol
 Concen: 188.290 ng
 RT: 5.52 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

Tgt Ion:112 Resp: 1304460
 Ion Ratio Lower Upper
 112 100
 64 58.9 46.6 69.8
 63 29.4 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: 189.341 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113892.D

Acq: 22 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

TP-13

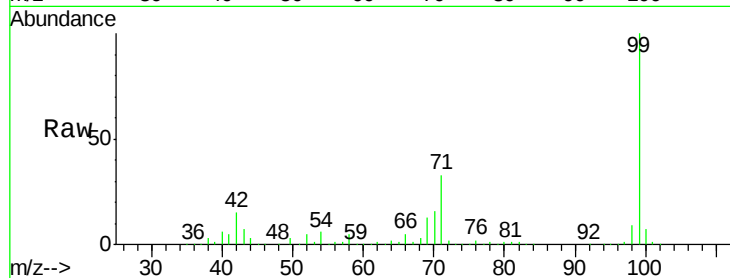
Tot Ion: 99 Resp: 1645728

Ion Ratio Lower Upper

99 100

42 14.7 12.5 18.7

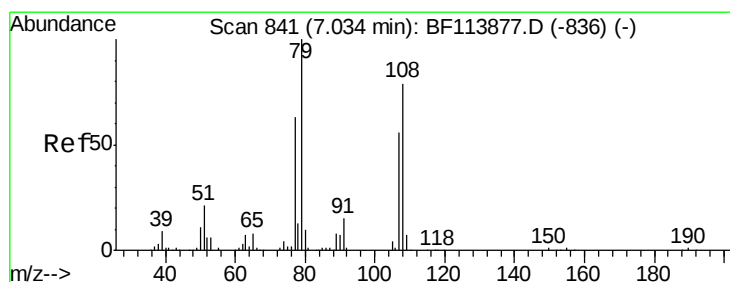
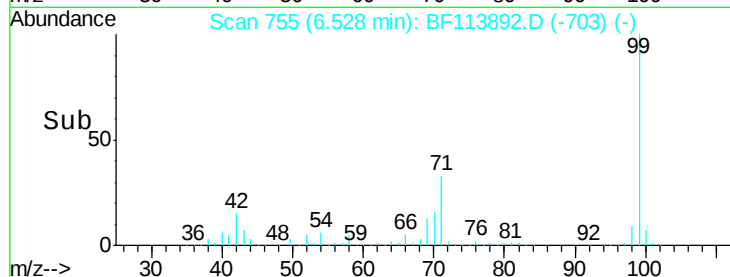
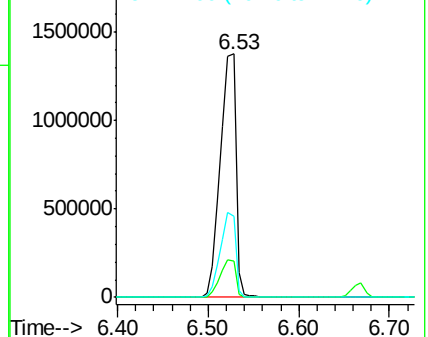
71 33.5 26.9 40.3



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



#15

Benzyl Alcohol

Concen: 2.943 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF113892.D

Acq: 22 Apr 2019 21:50

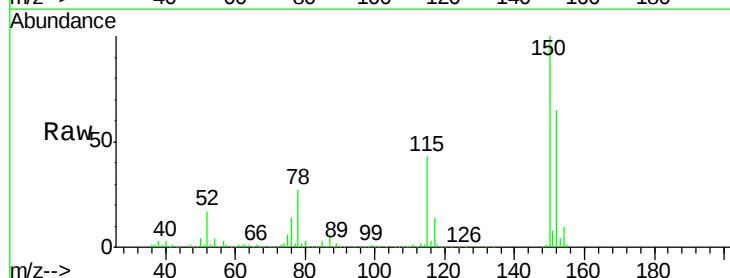
Tgt Ion: 79 Resp: 17229

Ion Ratio Lower Upper

79 100

108 28.3 61.4 92.0#

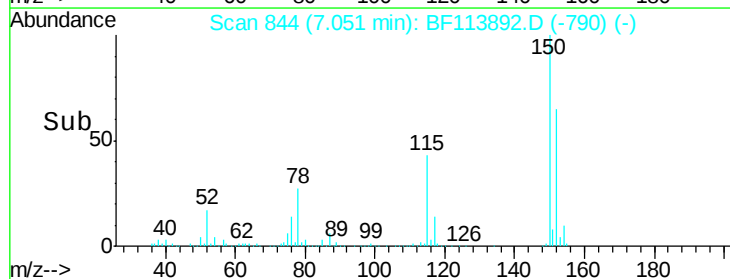
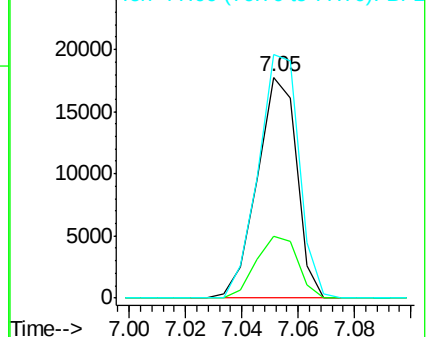
77 110.4 51.6 77.4#

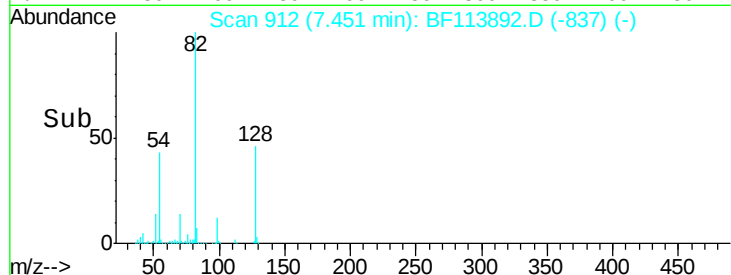
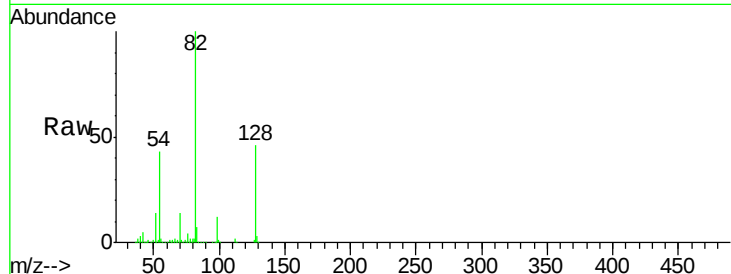
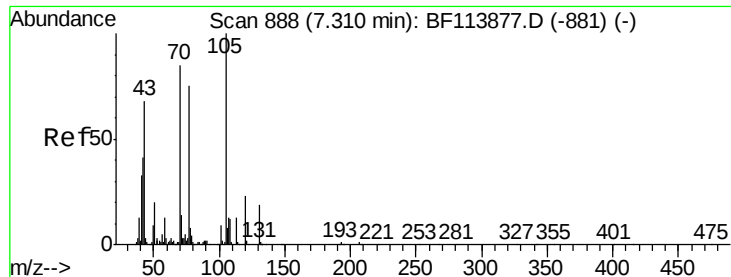


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

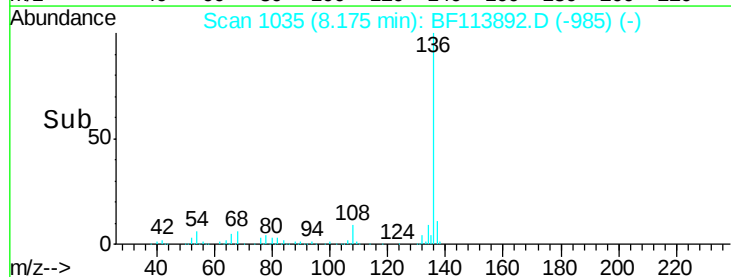
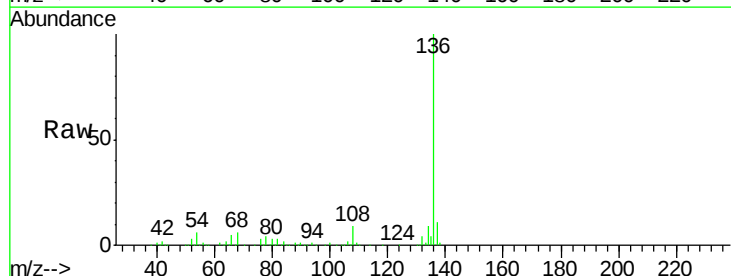
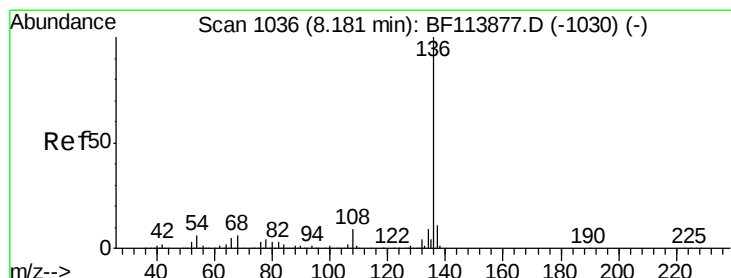
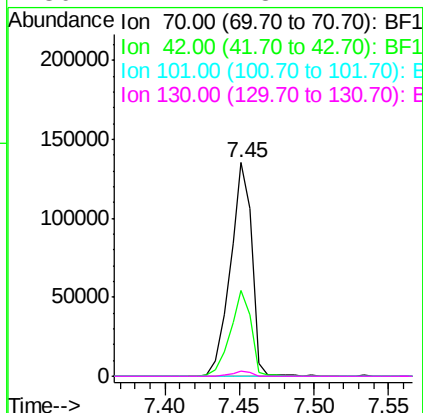




#19
n-Nitroso-di-n-propylamine
Concen: 24.320 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
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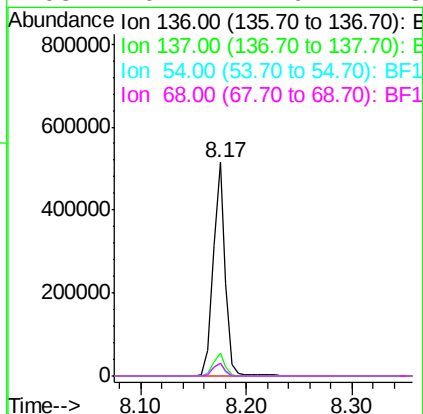
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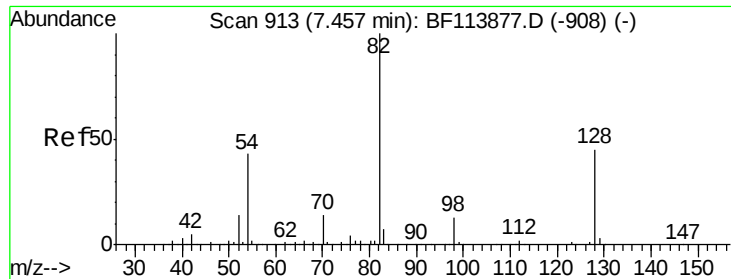
Tot Ion:	70	Resp:	136894
Ion	Ratio	Lower	Upper
70	100		
42	40.2	37.3	55.9
101	0.0	7.8	11.8#
130	2.2	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Tgt Ion:	136	Resp:	413053
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.1	5.0	7.6
68	6.1	4.9	7.3

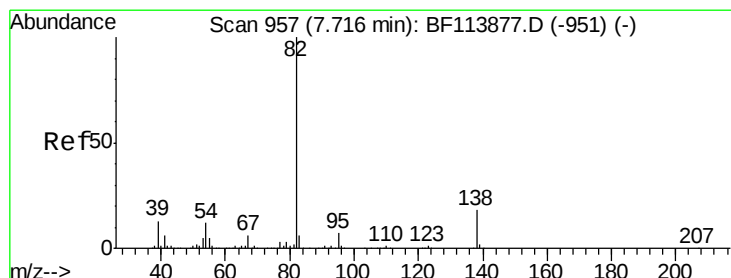
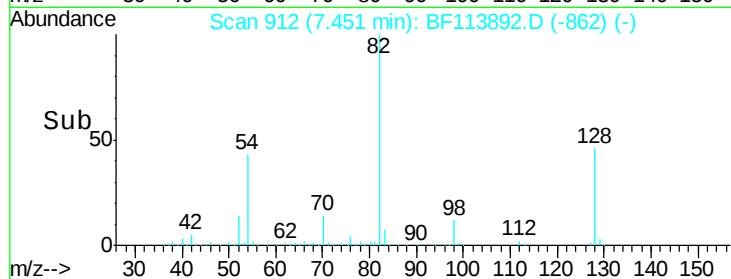
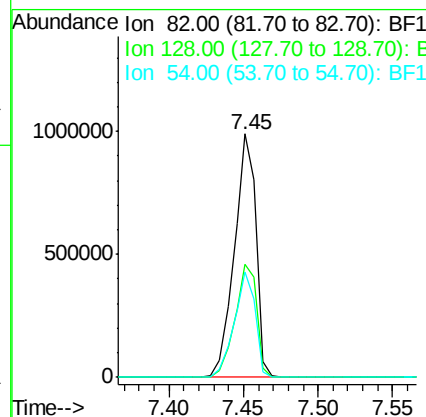
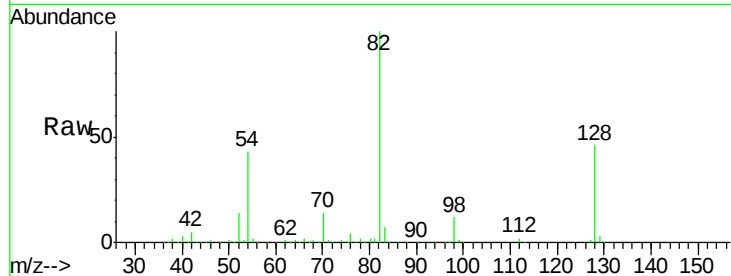




#23
 Nitrobenzene-d5
 Concen: 151.150 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

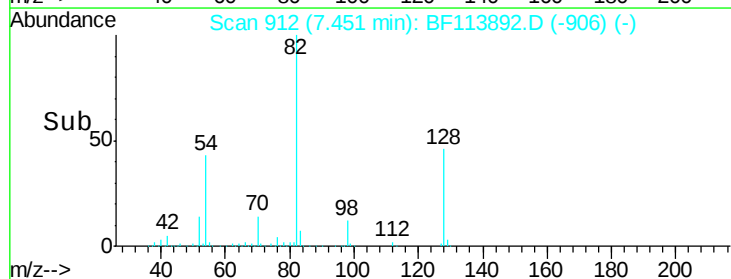
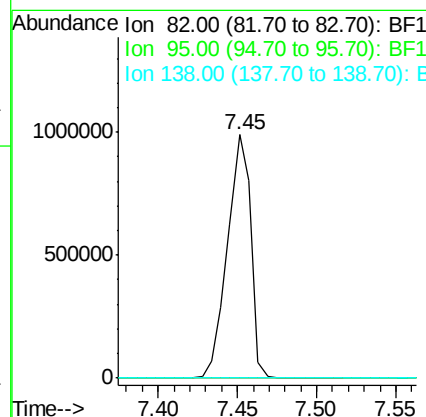
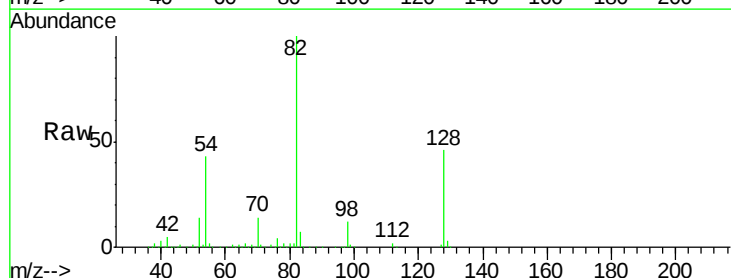
Instrument :
 BNA_F
 ClientSampleId :
 TP-13

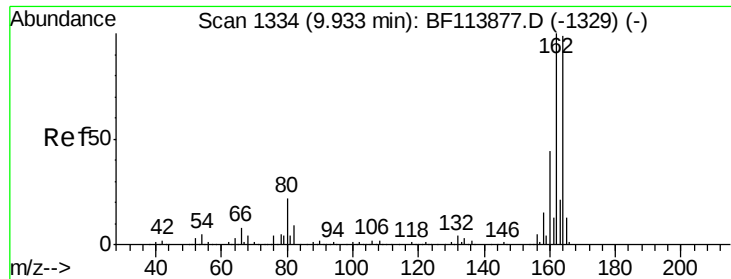
Tot Ion: 82 Resp: 1011157
 Ion Ratio Lower Upper
 82 100
 128 46.3 36.8 55.2
 54 43.1 33.8 50.6



#25
 Isophorone
 Concen: 73.869 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.26 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

Tgt Ion: 82 Resp: 1011147
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 14.6 22.0#

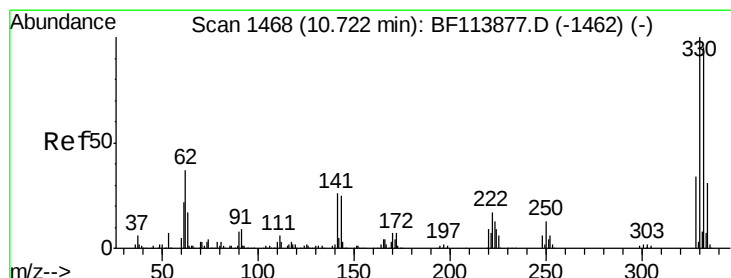
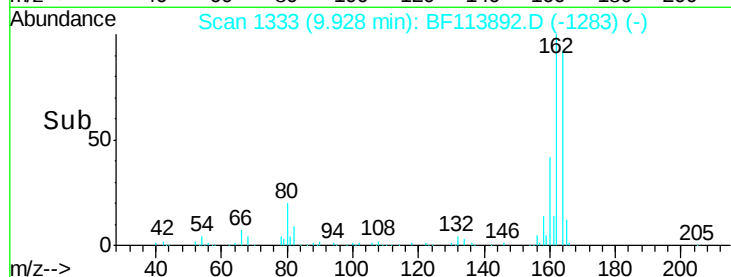
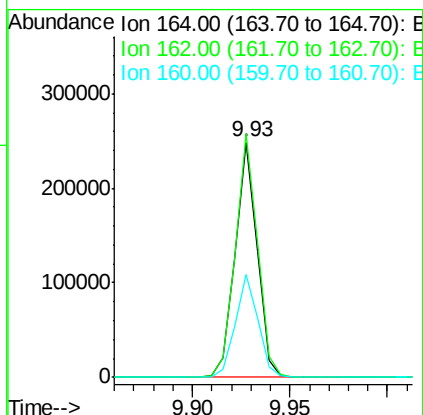
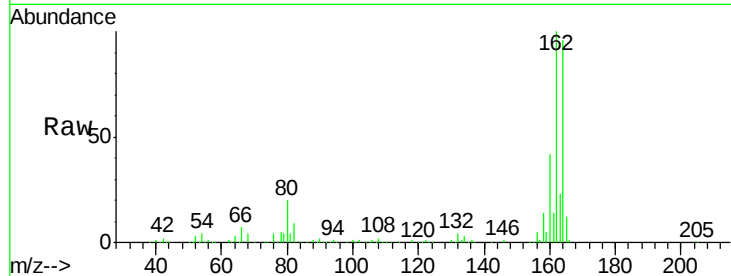




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

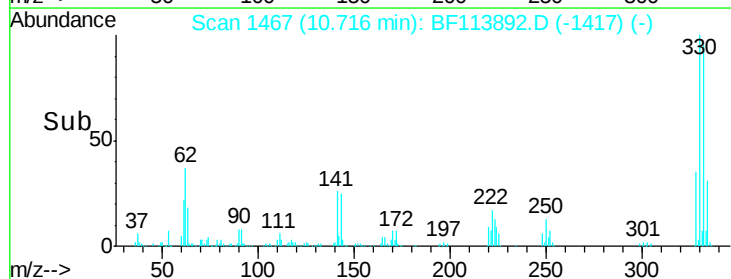
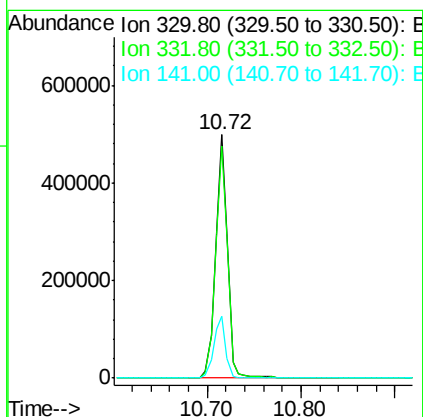
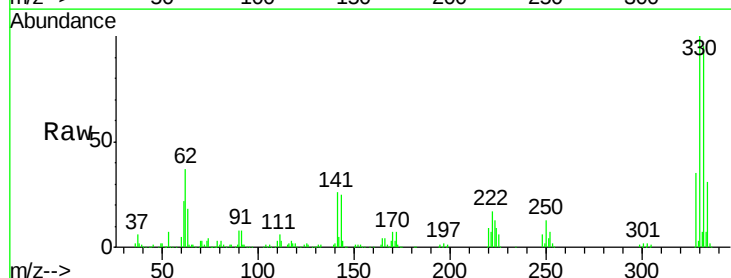
Instrument :
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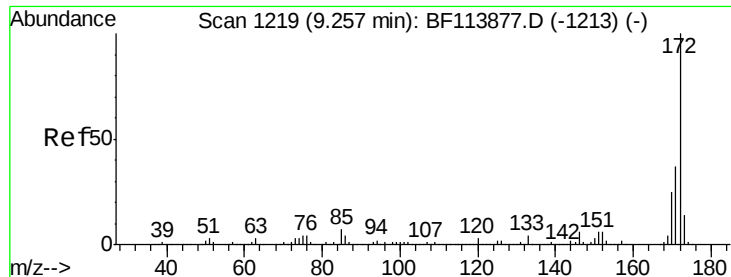
Tot Ion:164 Resp: 194057
Ion Ratio Lower Upper
164 100
162 103.7 81.1 121.7
160 43.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 189.697 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Tgt Ion:330 Resp: 448446
Ion Ratio Lower Upper
330 100
332 97.1 77.5 116.3
141 25.9 22.2 33.2

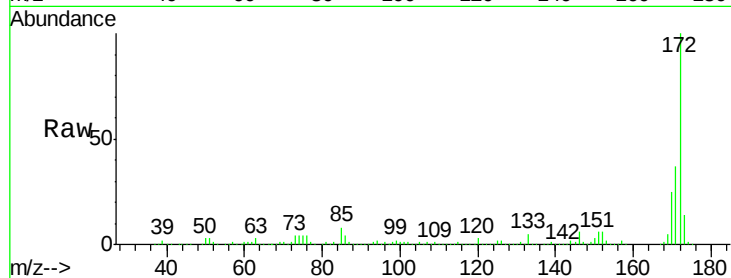




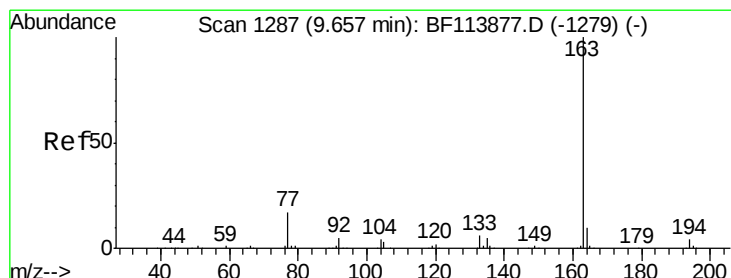
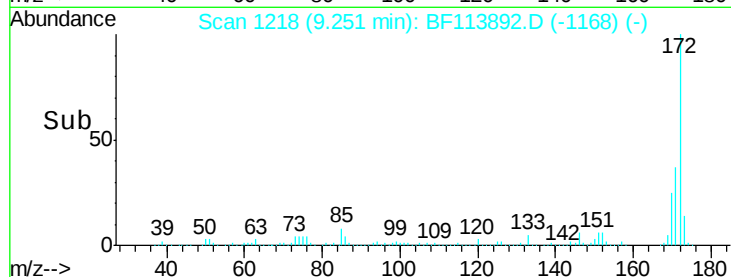
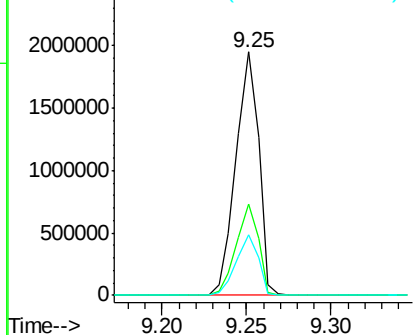
#45
2-Fluorobiphenyl
Concen: 148.427 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Instrument :
BNA_F
ClientSampled :
TP-13

Tot Ion:172 Resp: 1841618
Ion Ratio Lower Upper
172 100
171 37.4 29.4 44.0
170 25.0 19.9 29.9

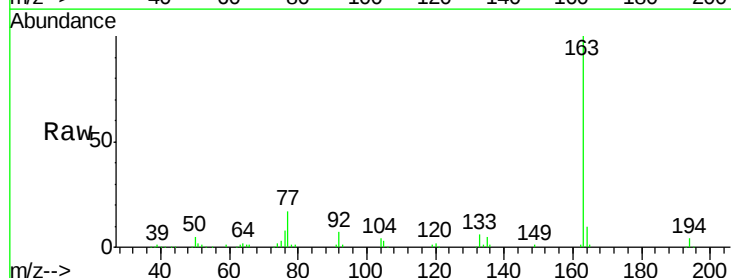


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

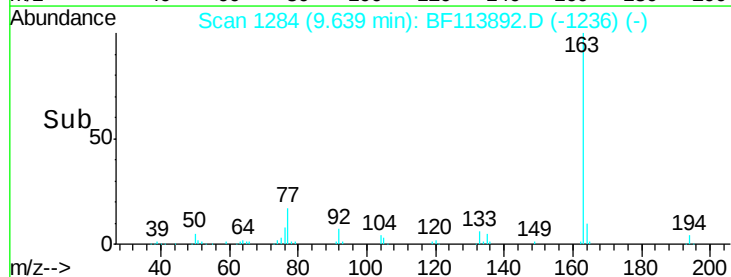
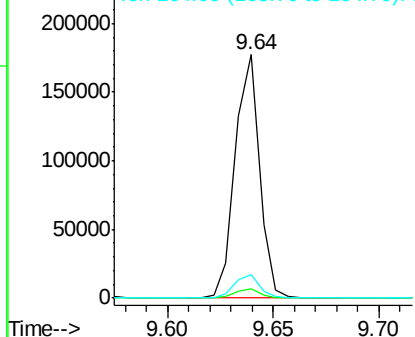


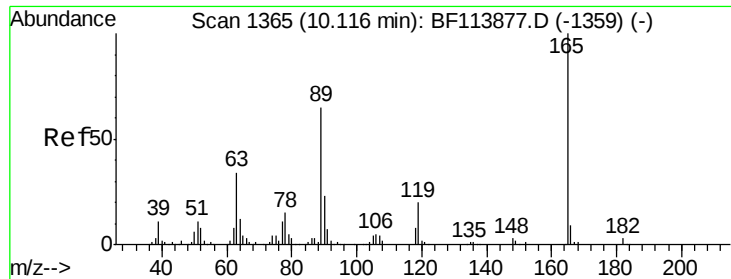
#50
Dimethylphthalate
Concen: 10.041 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Tgt Ion:163 Resp: 140924
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 9.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

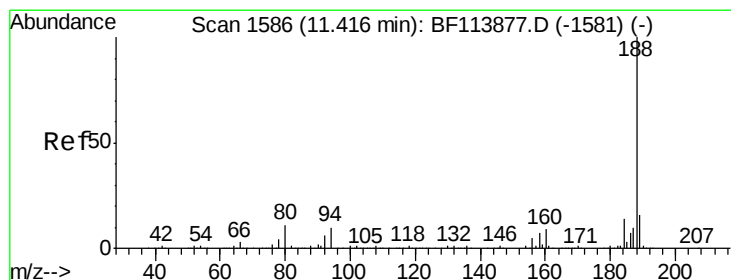
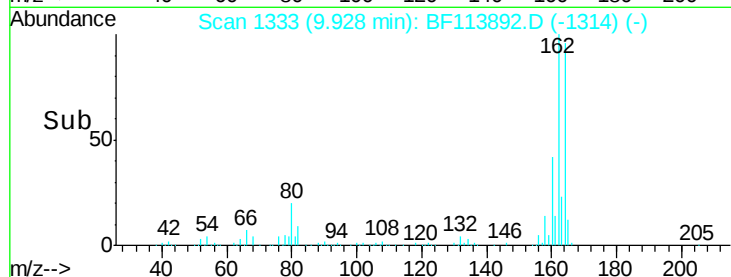
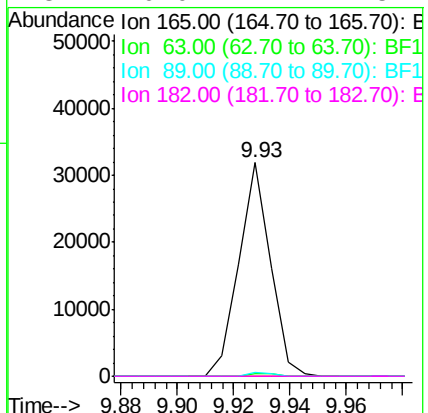
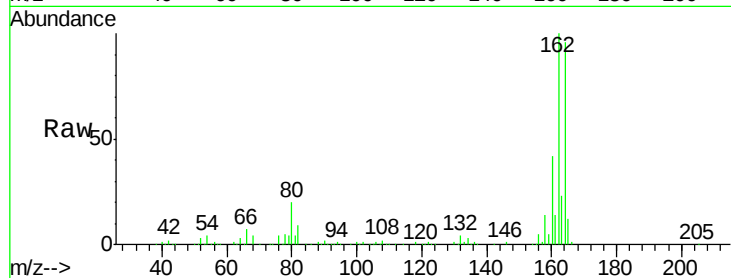




#57
 2,4-Dinitrotoluene
 Concen: 6.522 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

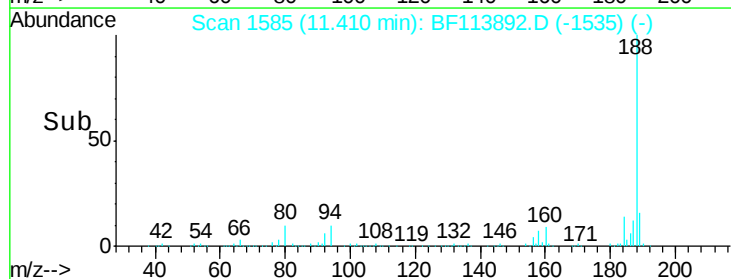
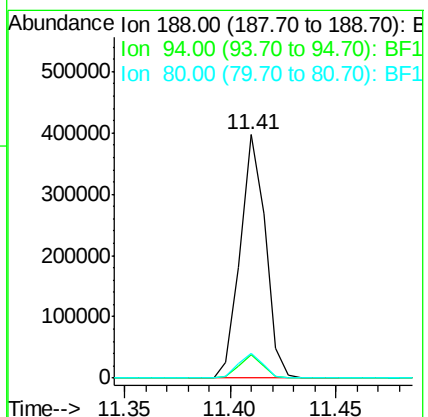
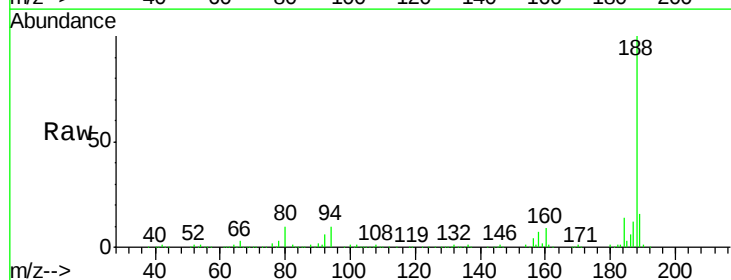
Instrument :
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 ClientSampleId :
 TP-13

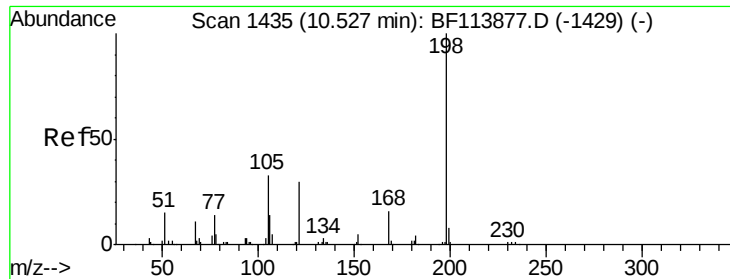
Tot Ion:165 Resp: 24785
 Ion Ratio Lower Upper
 165 100
 63 1.3 27.4 41.0#
 89 1.7 51.8 77.6#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

Tgt Ion:188 Resp: 327901
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.2 12.4
 80 10.3 9.0 13.6

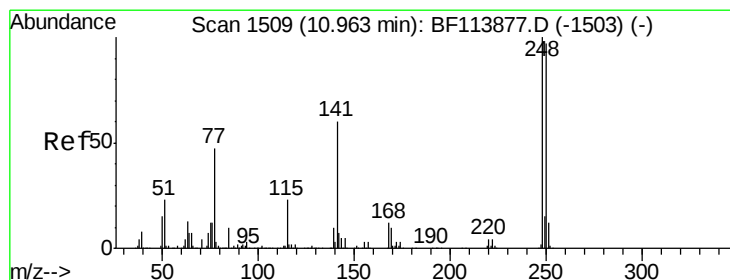
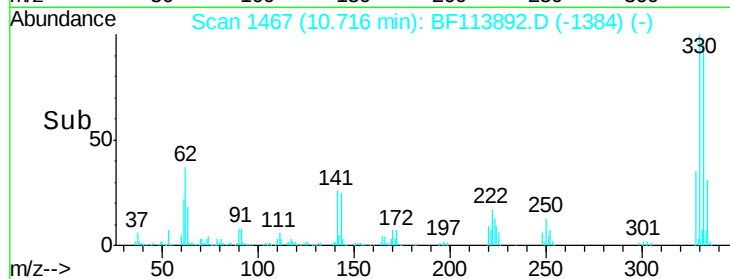
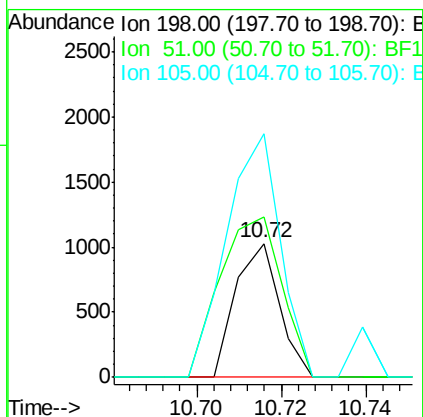
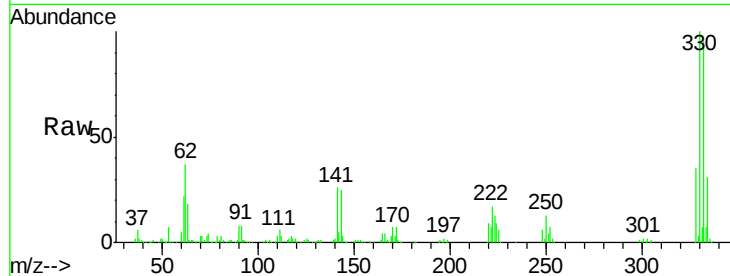




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.726 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

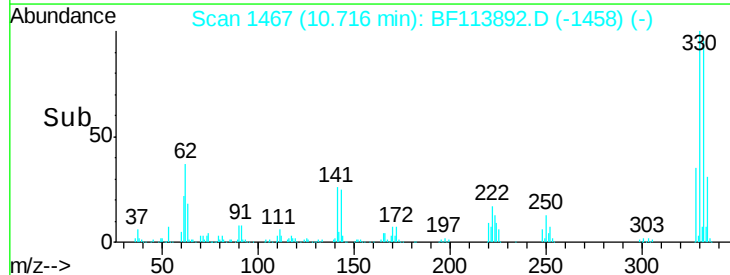
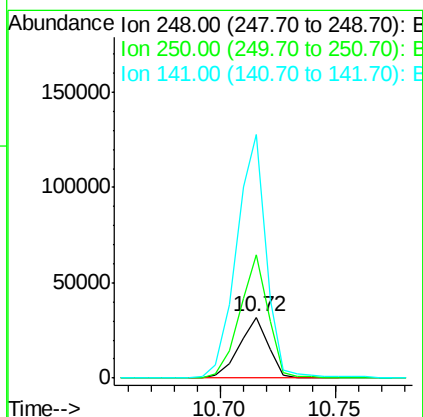
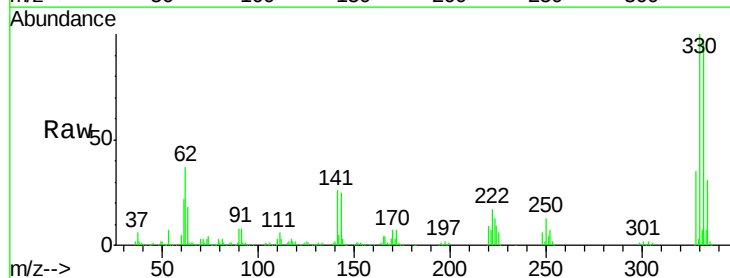
Instrument :
 BNA_F
 ClientSampleId :
 TP-13

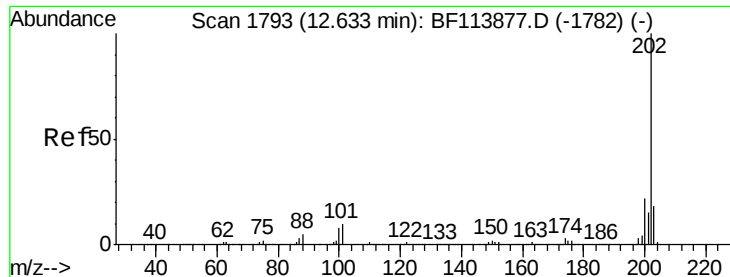
Tot Ion:198 Resp: 741
 Ion Ratio Lower Upper
 198 100
 51 120.1 11.1 51.1#
 105 181.8 20.7 60.7#



#67
 4-Bromophenyl-phenylether
 Concen: 7.085 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

Tgt Ion:248 Resp: 28064
 Ion Ratio Lower Upper
 248 100
 250 201.6 75.8 113.6#
 141 398.9 50.2 75.4#





#75

Fluoranthene

Concen: 3.676 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF113892.D

Acq: 22 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

TP-13

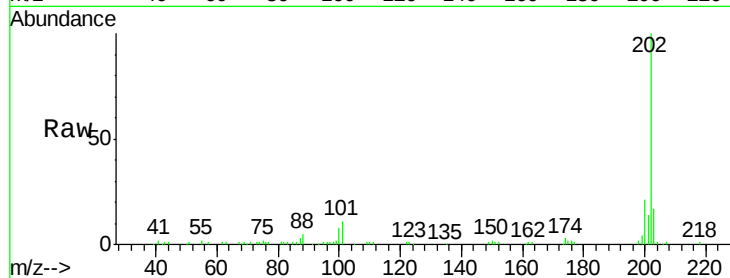
Tot Ion:202 Resp: 66084

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.9

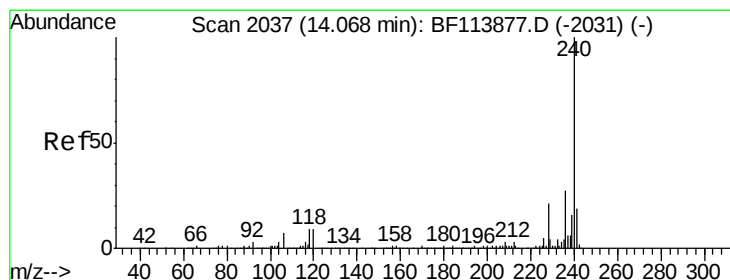
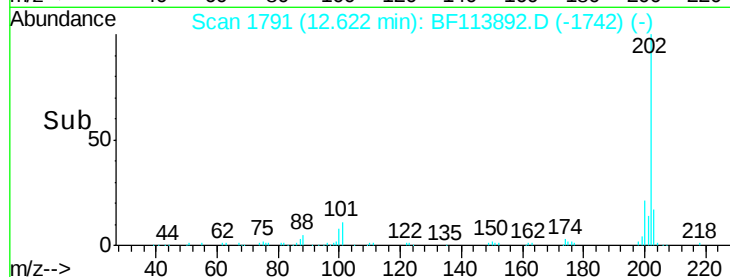
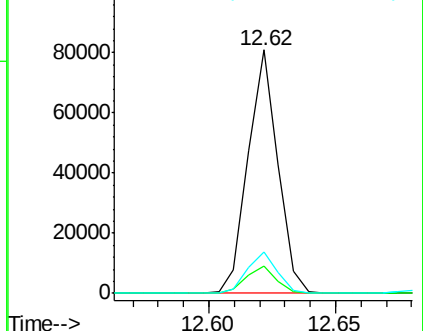
203 17.1 0.0 38.2



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: 14.04 min Scan# 2033

Delta R.T. -0.02 min

Lab File: BF113892.D

Acq: 22 Apr 2019 21:50

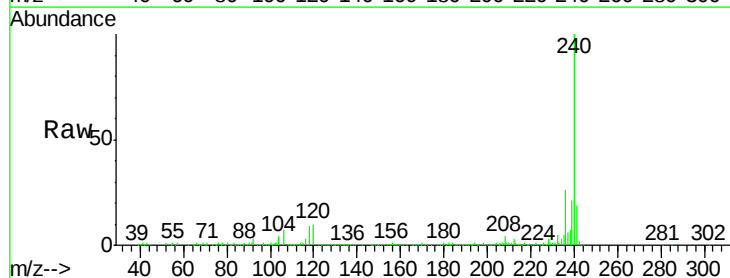
Tgt Ion:240 Resp: 289750

Ion Ratio Lower Upper

240 100

120 9.7 9.3 13.9

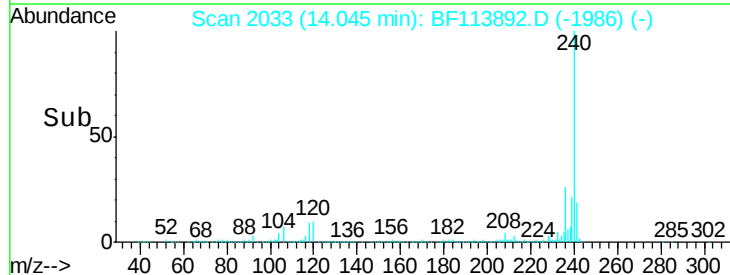
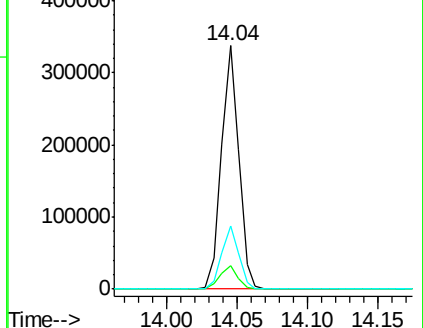
236 26.0 21.2 31.8

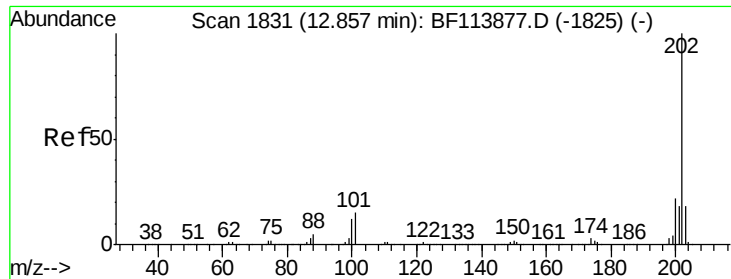


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

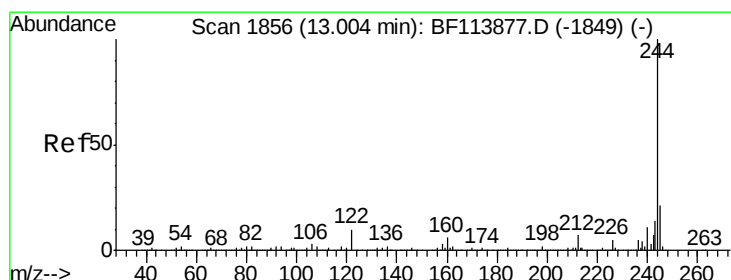
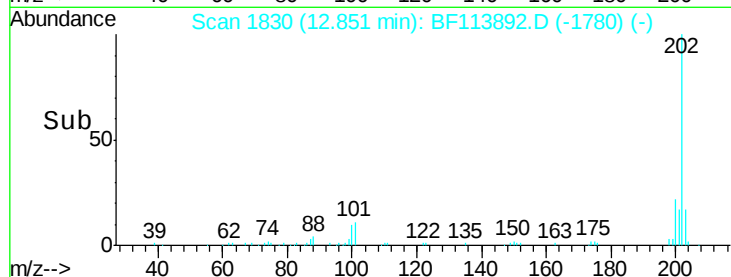
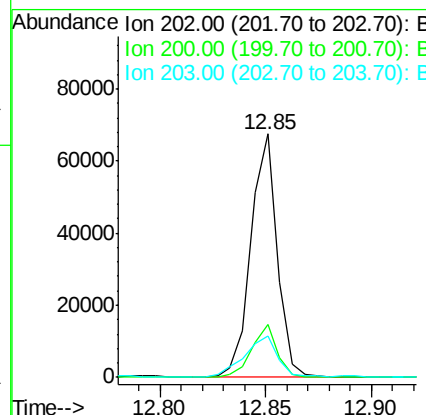
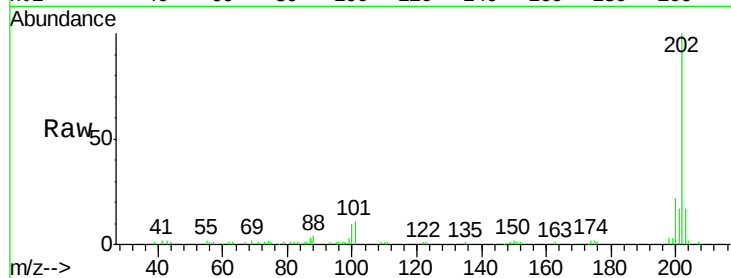




#78
Pvrene
Concen: 2.883 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

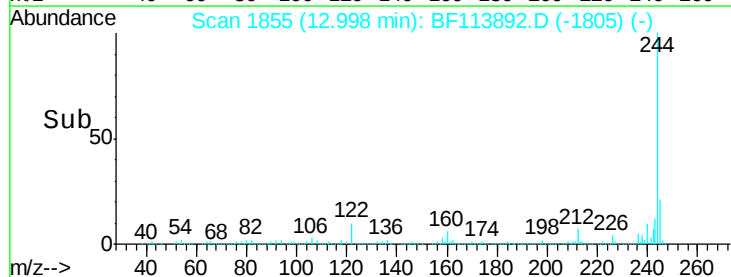
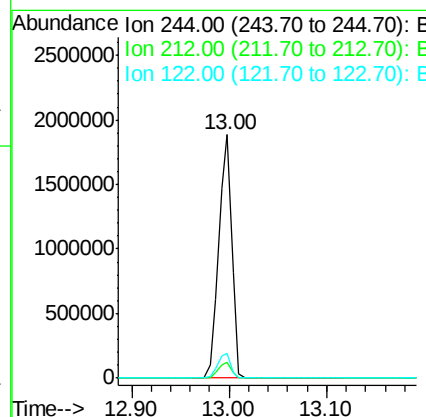
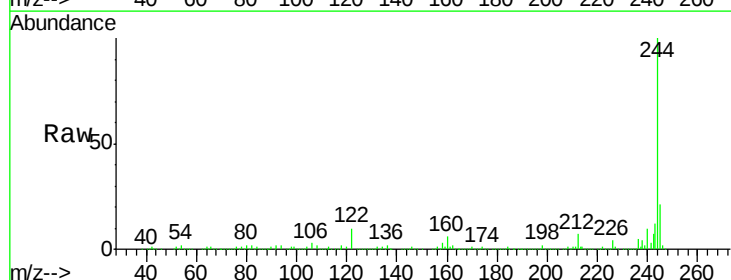
Instrument :
BNA_F
ClientSampleId :
TP-13

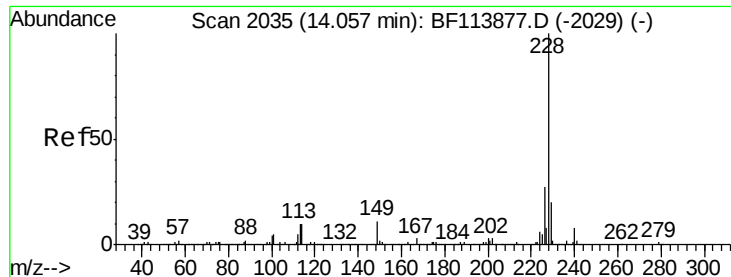
Tot Ion:202 Resp: 58421
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 16.8 15.0 22.6



#79
Terphenyl-d14
Concen: 123.501 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Tgt Ion:244 Resp: 1745471
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.2 7.6 11.4





#81

Benzo(a)anthracene

Concen: 2.175 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF113892.D

Acq: 22 Apr 2019 21:50

Instrument :

BNA_F

ClientSampleId :

TP-13

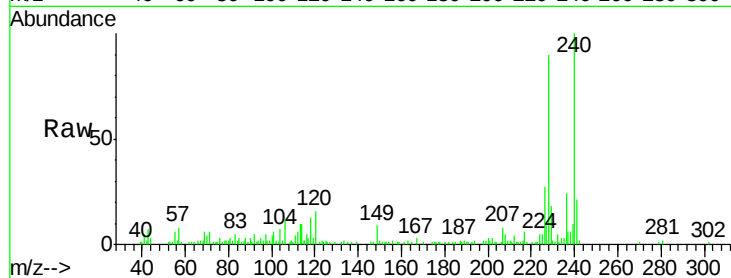
Tot Ion:228 Resp: 37126

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.2	33.2
229	19.9	16.0	24.0

228 100

226 29.6 22.2 33.2

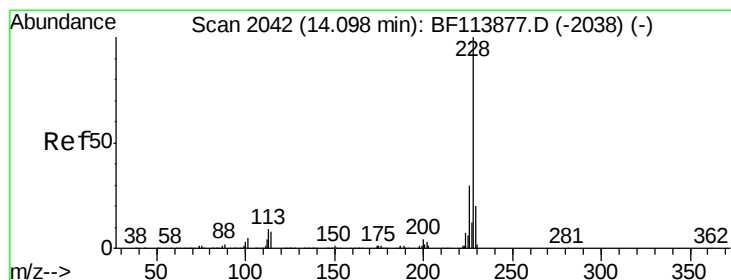
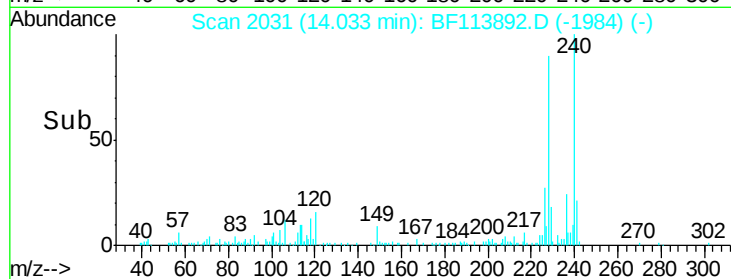
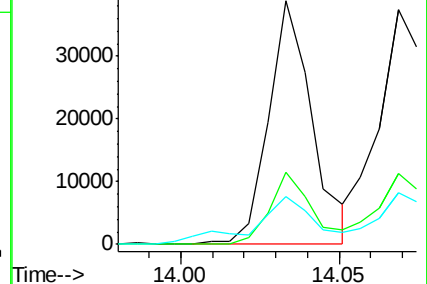
229 19.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.289 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.03 min

Lab File: BF113892.D

Acq: 22 Apr 2019 21:50

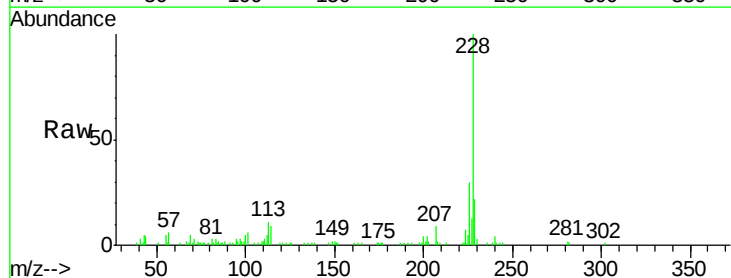
Tgt Ion:228 Resp: 38054

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.2	37.8
229	22.3	16.7	25.1

228 100

226 30.1 25.2 37.8

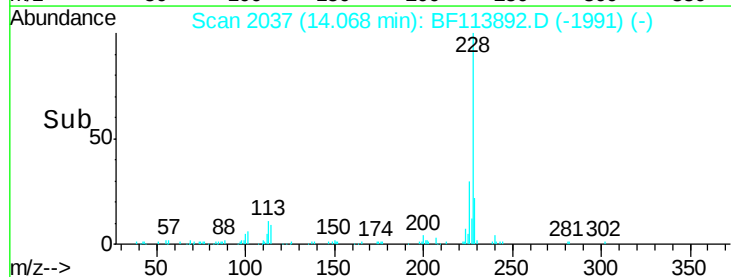
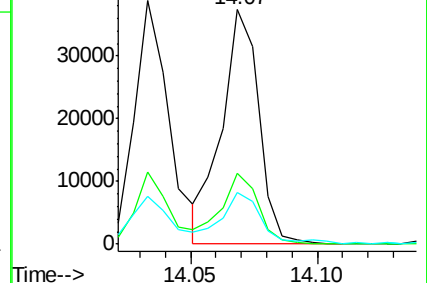
229 22.3 16.7 25.1

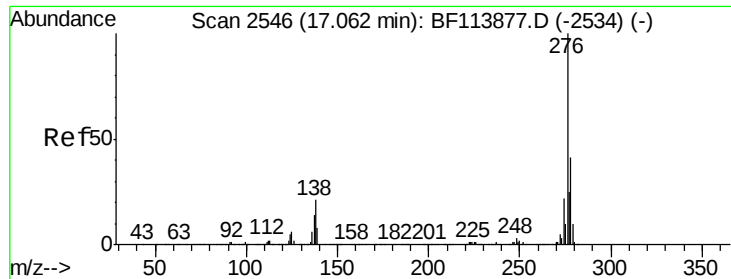


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

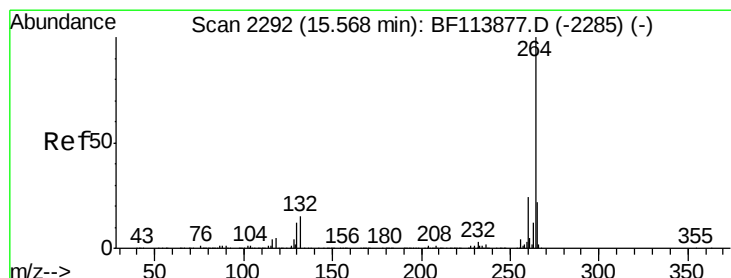
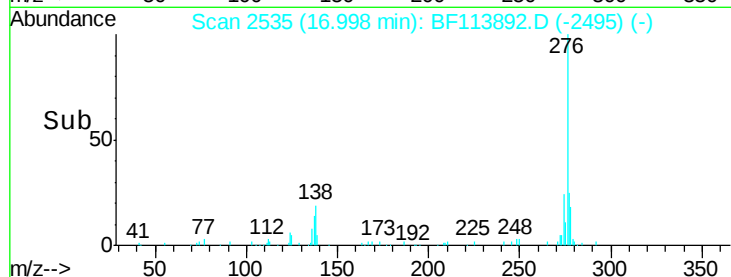
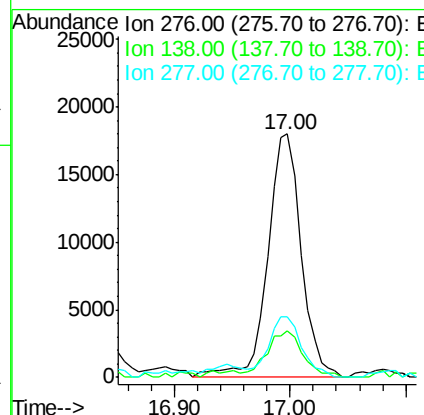
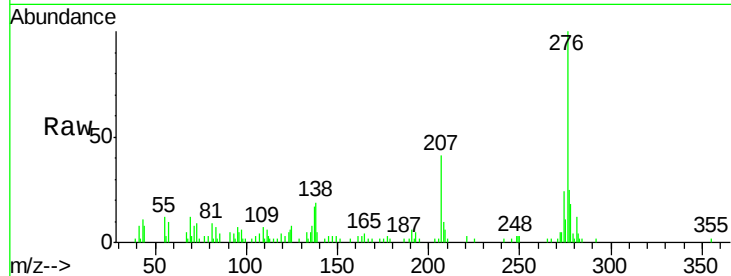




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.317 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.06 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

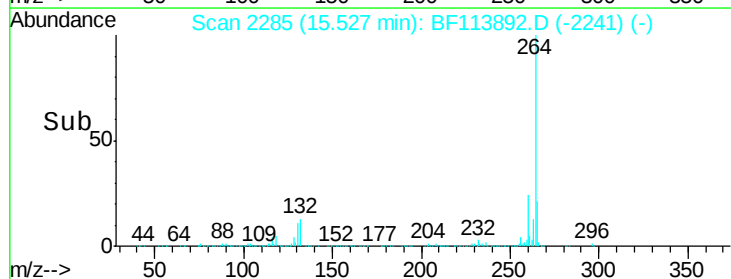
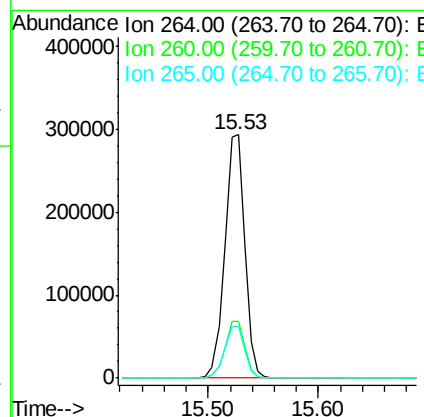
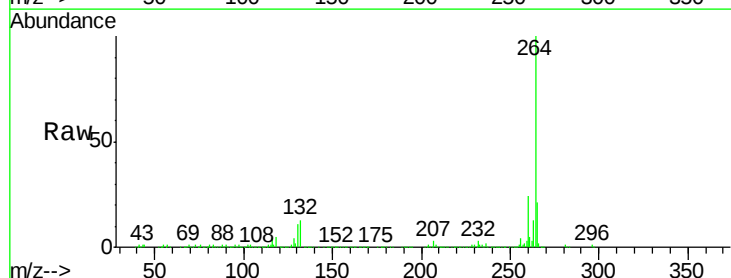
Instrument :
BNA_F
ClientSampleId :
TP-13

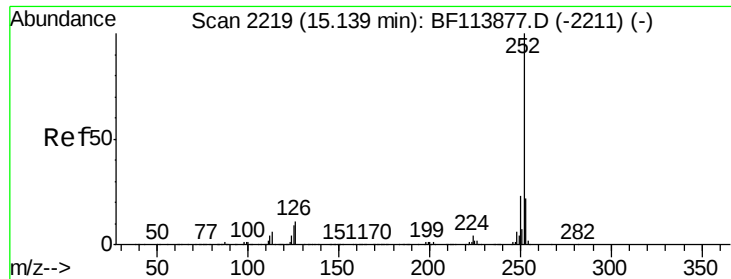
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.6	29.4
277	24.7	20.2	30.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.04 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.9	28.3
265	21.1	17.3	25.9

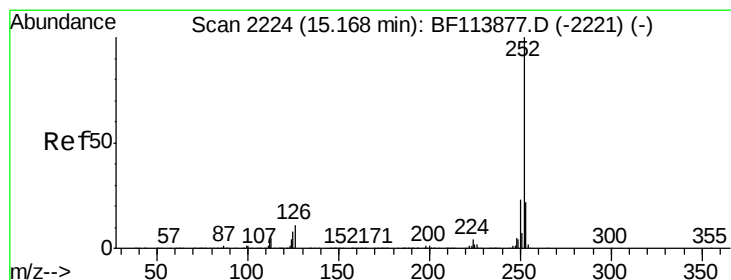
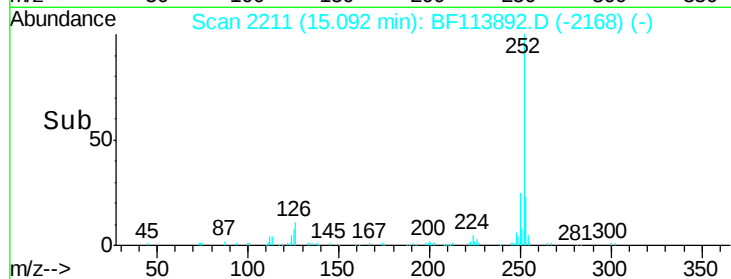
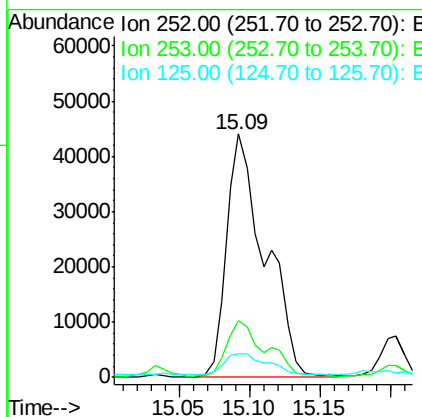
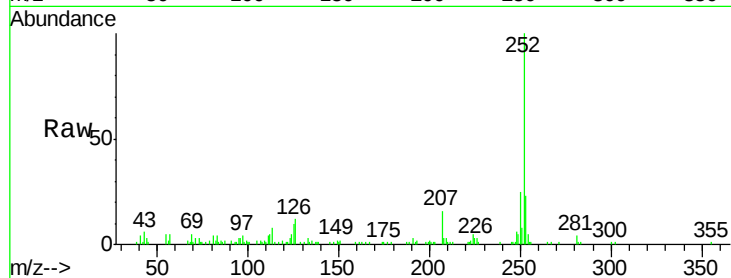




#88
Benzo(b)fluoranthene
Concen: 3.570 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.05 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

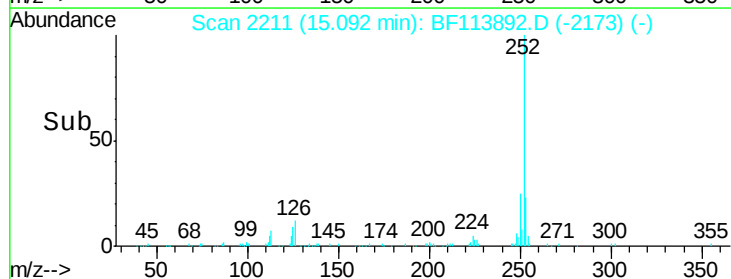
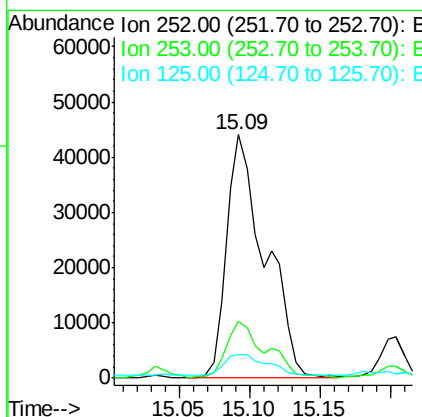
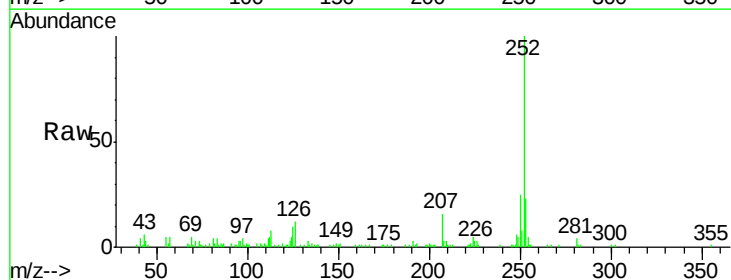
Instrument :
BNA_F
ClientSampleId :
TP-13

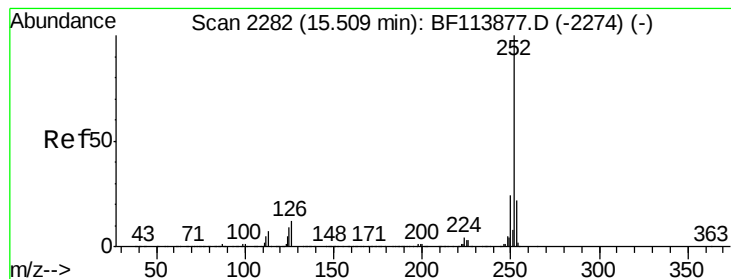
Tot Ion:252 Resp: 83973
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 9.8 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 4.151 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.08 min
Lab File: BF113892.D
Acq: 22 Apr 2019 21:50

Tgt Ion:252 Resp: 83973
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 9.8 7.4 11.2





#90
 Benzo(a)pyrene
 Concen: 2.164 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.05 min
 Lab File: BF113892.D
 Acq: 22 Apr 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Tot Ion:	252	Resp:	44017
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.1	8.5	12.7

