

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031920\
 Data File : BF119448.D
 Acq On : 19 Mar 2020 19:56
 Operator : CG/JU
 Sample : L1978-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7A

Quant Time: Mar 20 03:49:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

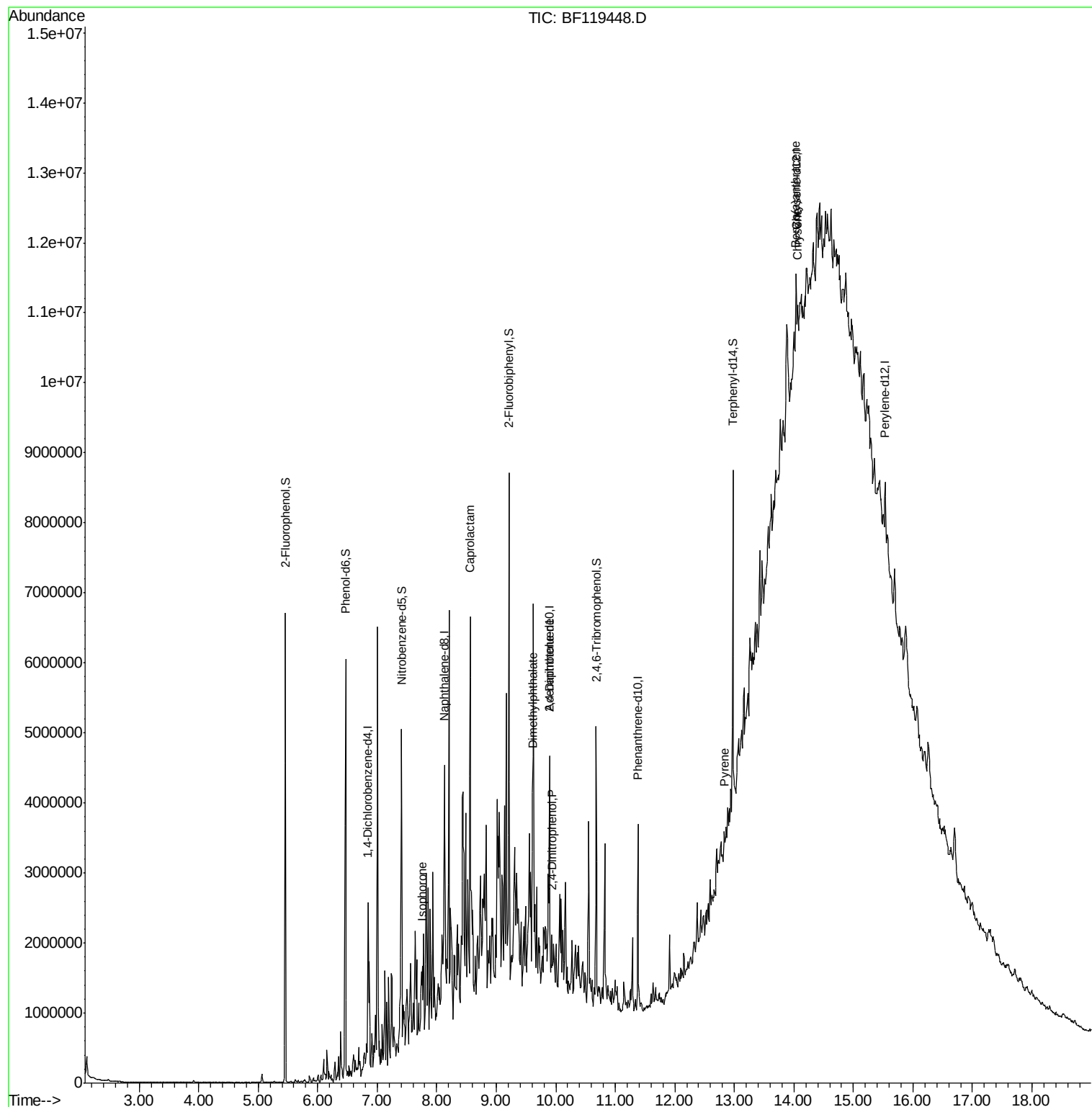
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	337517	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1214302	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	581596	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	940372	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	465434	20.00	ng	0.00
87) Perylene-d12	15.53	264	593824	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1738059	81.98	ng	0.00
7) Phenol-d6	6.47	99	2194870	81.04	ng	0.00
23) Nitrobenzene-d5	7.41	82	1305695	58.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	452462	75.41	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2150489	54.78	ng	0.00
79) Terphenyl-d14	12.97	244	1627480	68.51	ng	0.00
Target Compounds						
25) Isophorone	7.76	82	116913	2.58	ng	# 63
35) Caprolactam	8.56	113	103394	17.69	ng	# 1
50) Dimethylphthalate	9.60	163	195576	4.73	ng	# 97
54) 2,4-Dinitrophenol	9.94	184	676	7.43	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	78102	7.00	ng	# 26
78) Pyrene	12.82	202	126428	3.31	ng	# 91
81) Benzo(a)anthracene	14.03	228	119568	3.95	ng	# 48
83) Chrysene	14.06	228	153224	4.91	ng	# 57

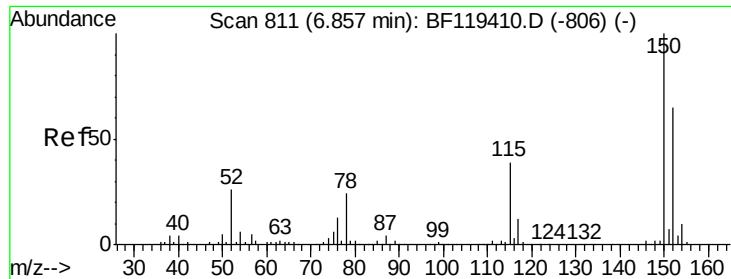
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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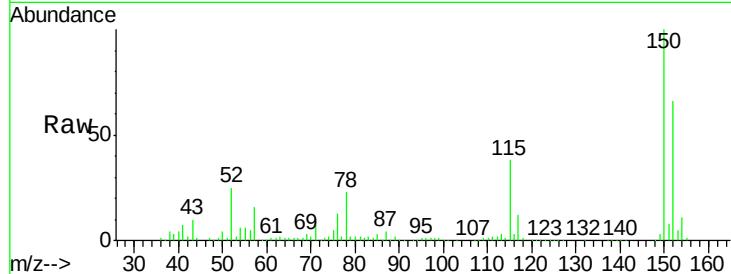


#1

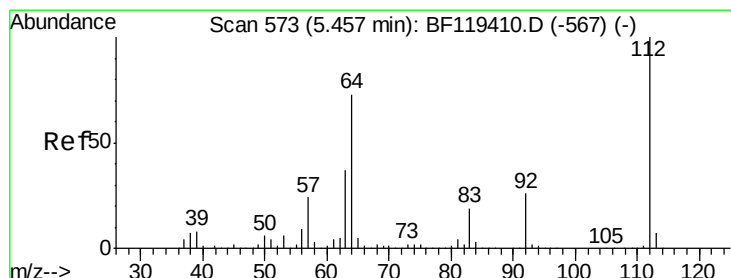
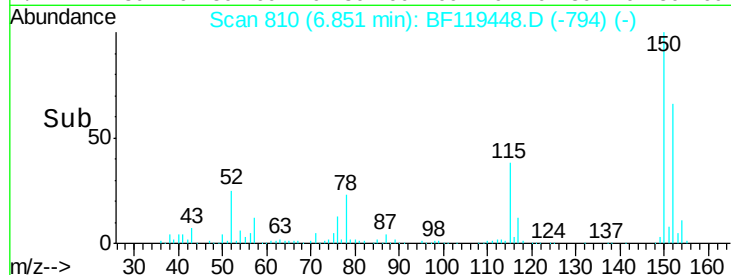
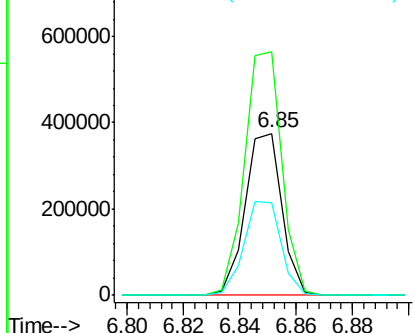
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119448.D
Acq: 19 Mar 2020 19:56

Instrument :
BNA_F
ClientSampleId :
TP-7A

Tgt Ion:152 Resp: 337517
Ion Ratio Lower Upper
152 100
150 150.6 123.9 185.9
115 57.6 47.8 71.6



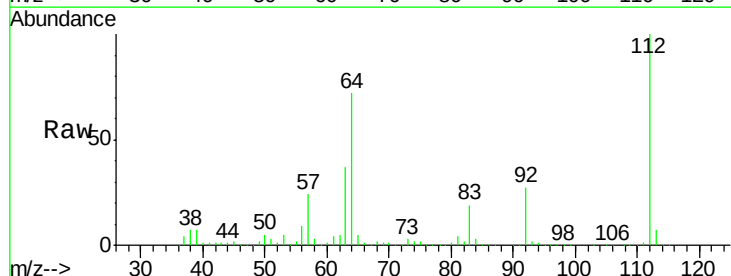
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



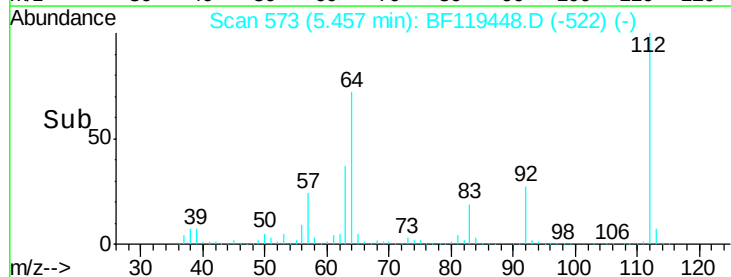
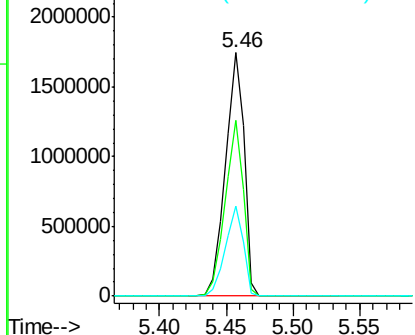
#5

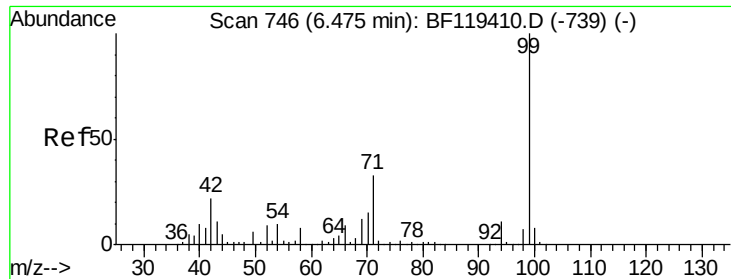
2-Fluorophenol
Concen: 81.98 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF119448.D
Acq: 19 Mar 2020 19:56

Tgt Ion:112 Resp: 1738059
Ion Ratio Lower Upper
112 100
64 72.2 58.1 87.1
63 37.0 29.7 44.5



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: 81.04 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

Instrument :

BNA_F

ClientSampleId :

TP-7A

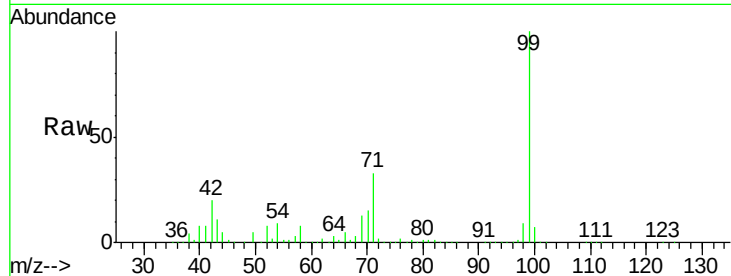
Tgt Ion: 99 Resp: 2194870

Ion Ratio Lower Upper

99 100

42 20.1 17.8 26.6

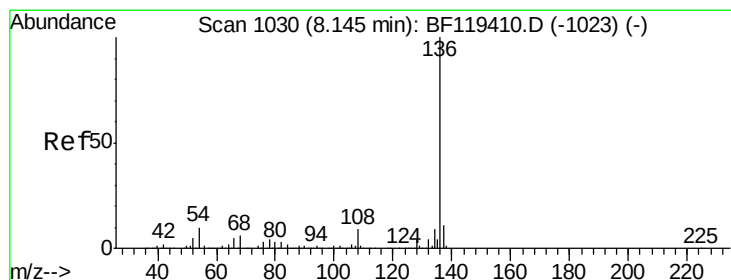
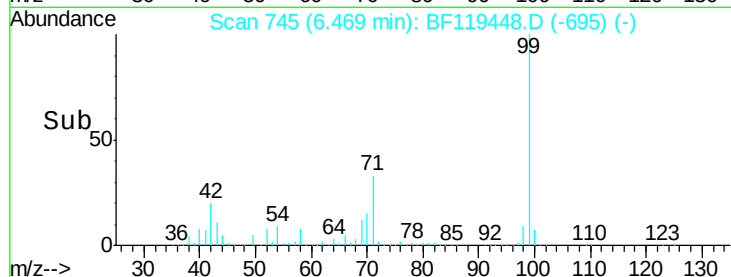
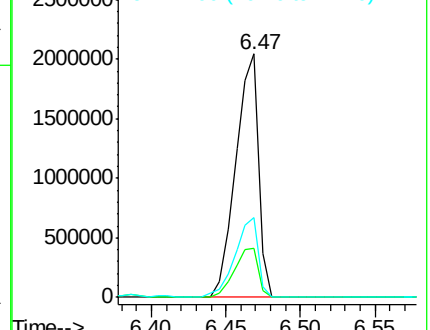
71 32.6 26.0 39.0



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: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

Tgt Ion: 136 Resp: 1214302

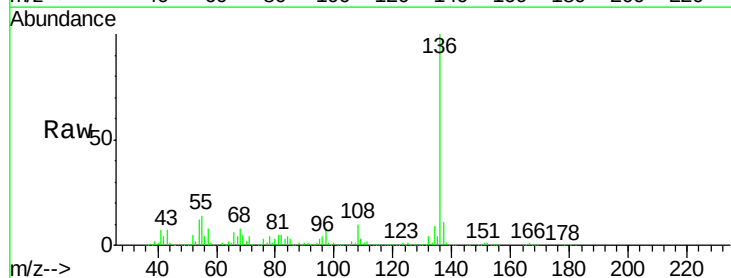
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 12.2 8.3 12.5

68 7.5 4.9 7.3#

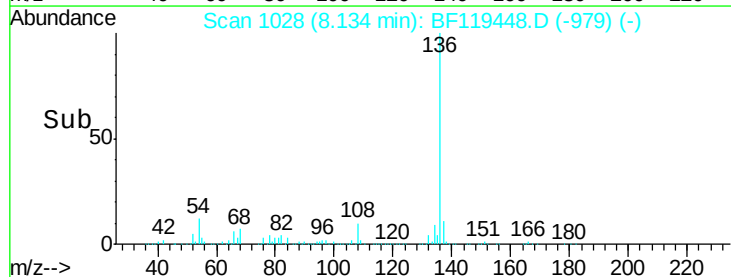
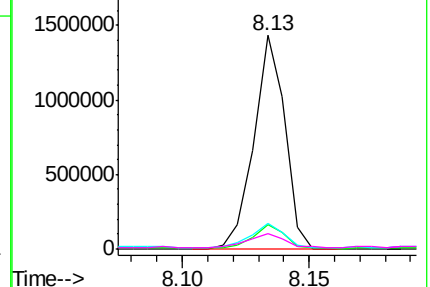


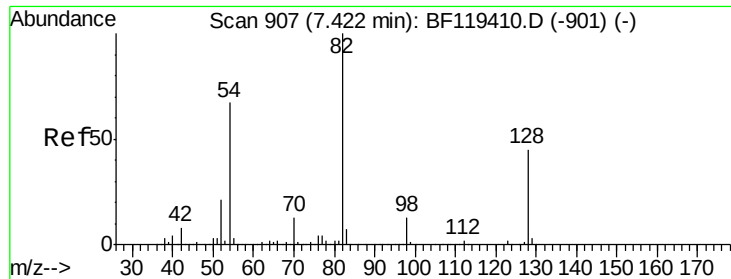
Abundance Ion 136.00 (135.70 to 136.70): E

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

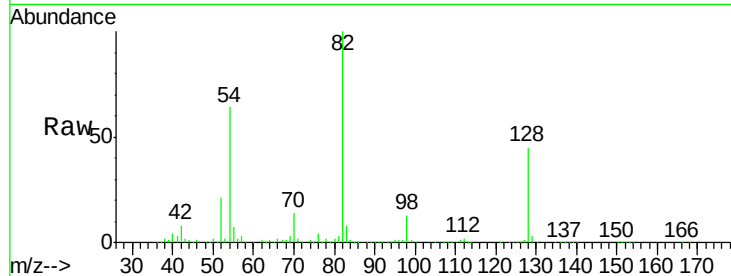




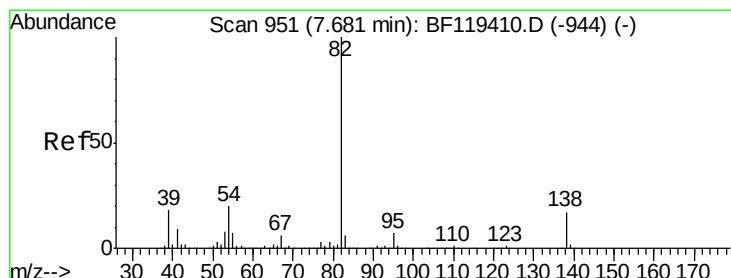
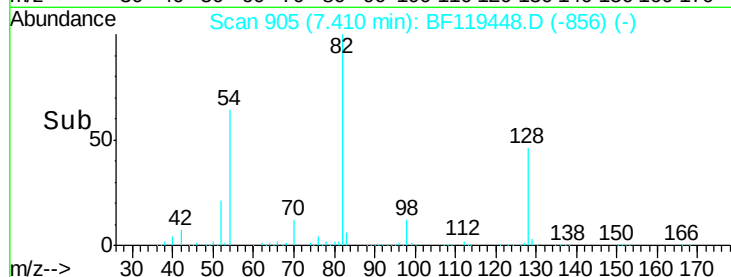
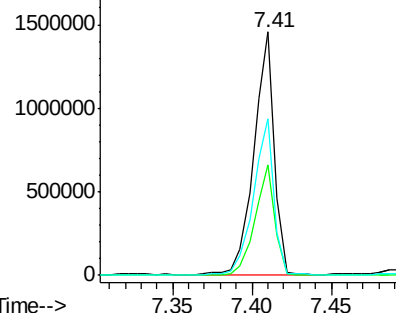
#23
 Nitrobenzene-d5
 Concen: 58.44 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF119448.D
 Acq: 19 Mar 2020 19:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-7A

Tgt Ion: 82 Resp: 1305695
 Ion Ratio Lower Upper
 82 100
 128 45.4 35.8 53.8
 54 64.4 53.4 80.0

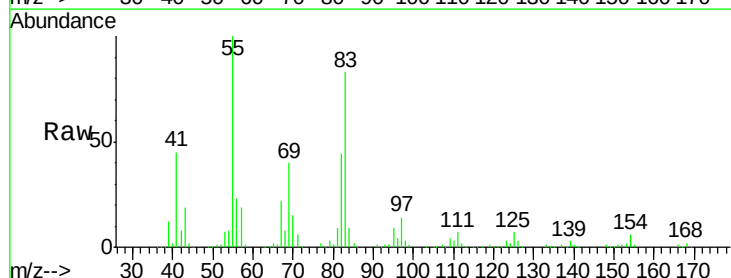


Abundance Ion 82.00 (81.70 to 82.70): BF1
 2000000
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

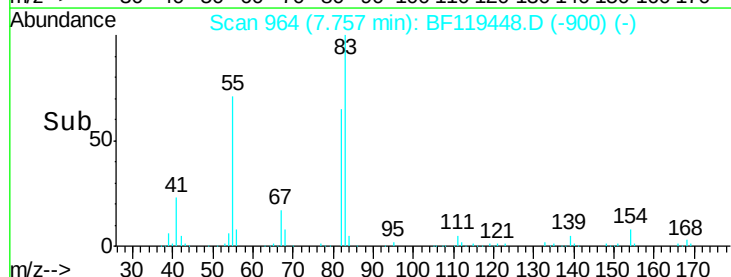
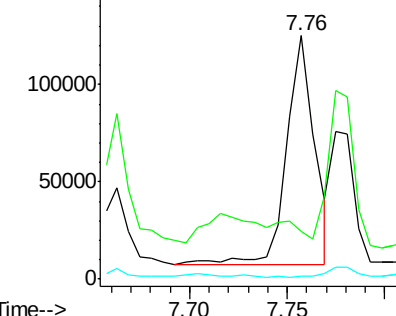


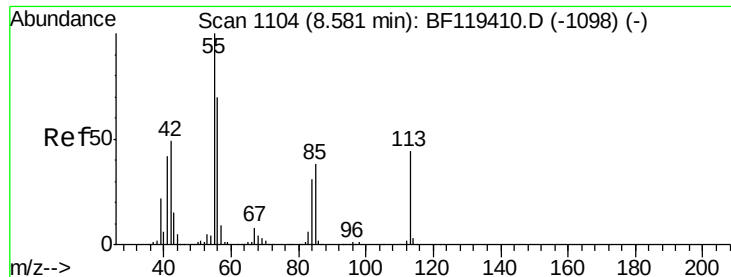
#25
 Isophorone
 Concen: 2.58 ng
 RT: 7.76 min Scan# 964
 Delta R.T. 0.08 min
 Lab File: BF119448.D
 Acq: 19 Mar 2020 19:56

Tgt Ion: 82 Resp: 116913
 Ion Ratio Lower Upper
 82 100
 95 19.8 5.4 8.2#
 138 1.1 13.8 20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 150000
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

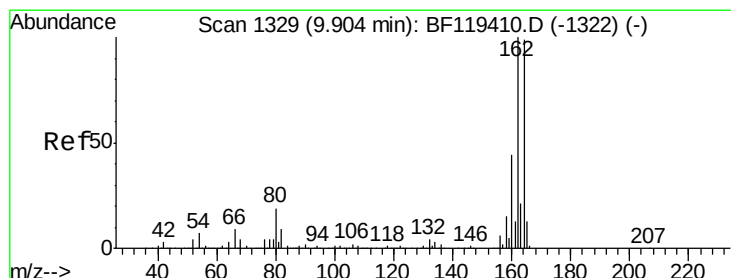
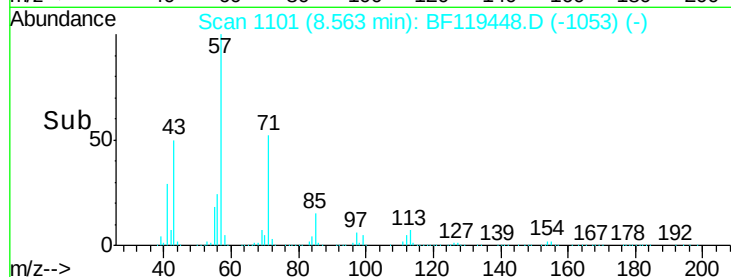
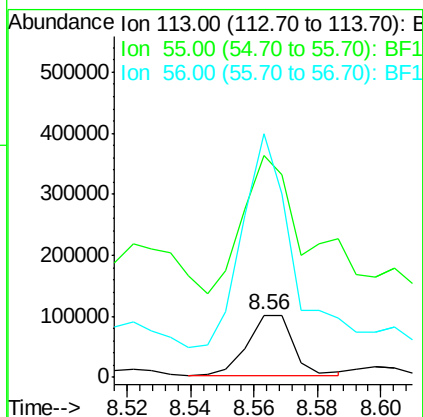
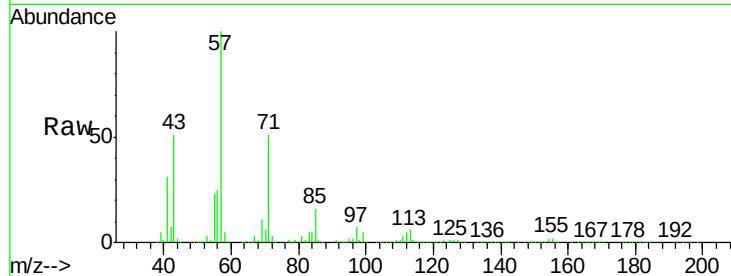




#35
 Caprolactam
 Concen: 17.69 ng
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.02 min
 Lab File: BF119448.D
 Acq: 19 Mar 2020 19:56

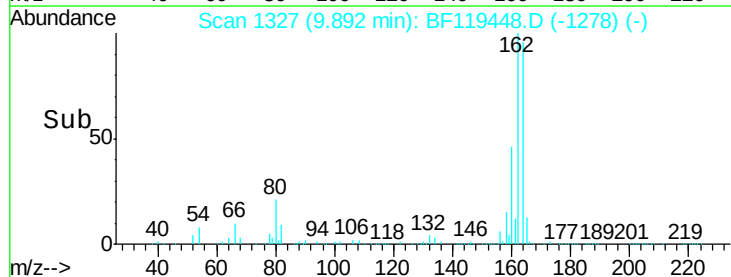
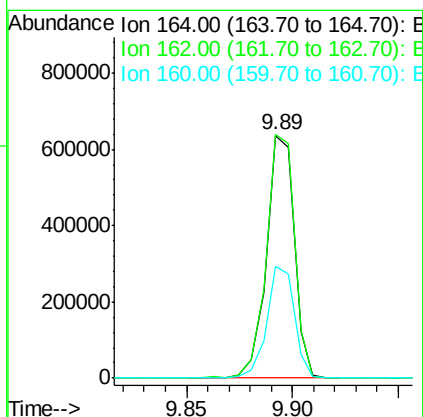
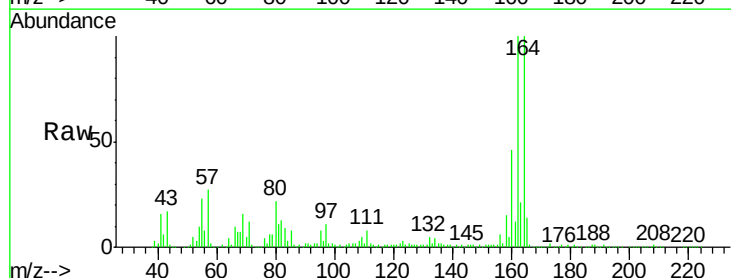
Instrument :
 BNA_F
 ClientSampleId :
 TP-7A

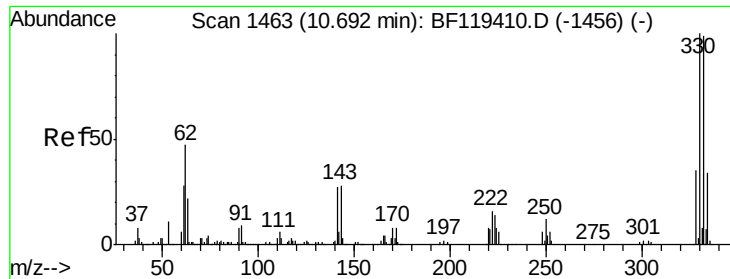
Tgt Ion:113 Resp: 103394
 Ion Ratio Lower Upper
 113 100
 55 357.9 208.4 248.4#
 56 393.8 138.9 178.9#



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF119448.D
 Acq: 19 Mar 2020 19:56

Tgt Ion:164 Resp: 581596
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.7 121.1
 160 46.1 35.5 53.3

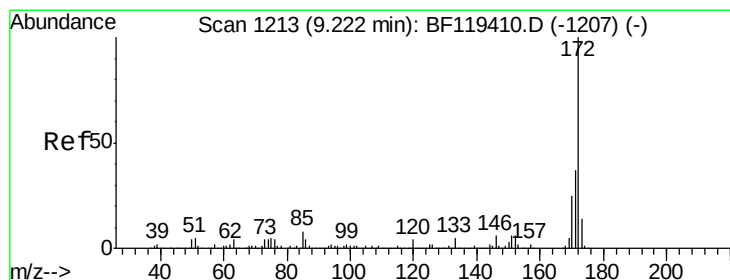
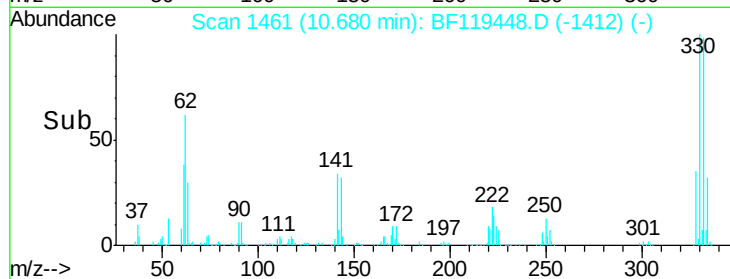
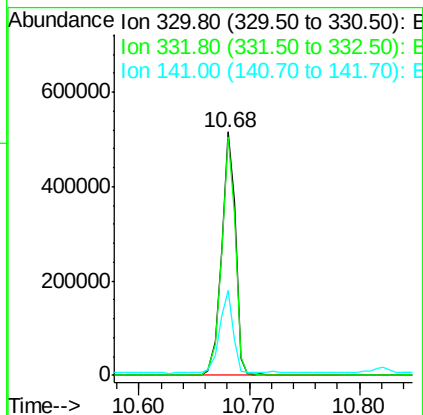
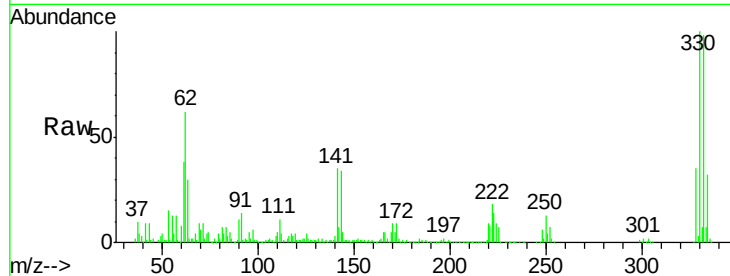




#42
 2,4,6-Tribromophenol
 Concen: 75.41 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF119448.D
 Acq: 19 Mar 2020 19:56

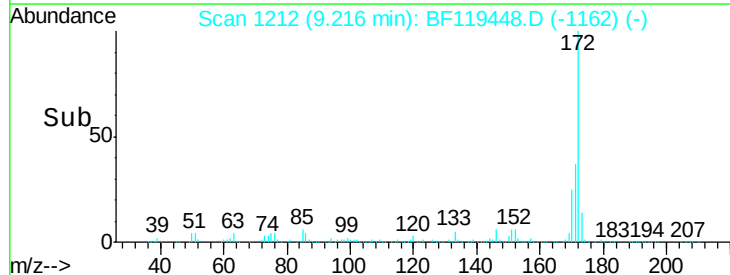
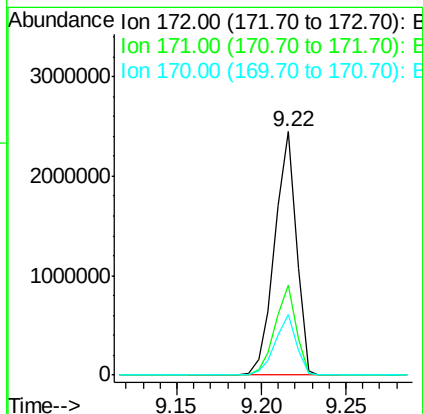
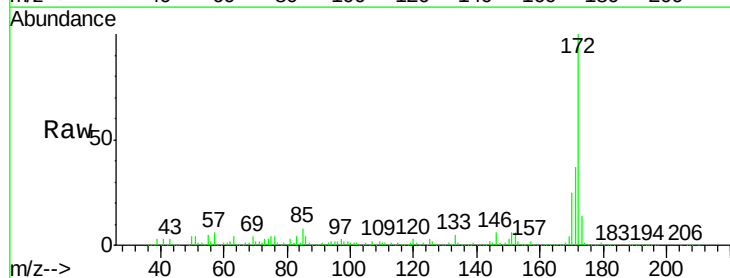
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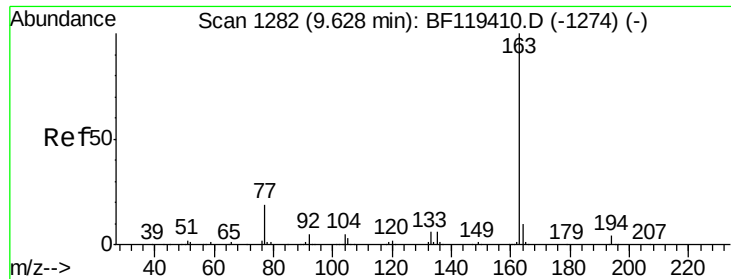
Tgt Ion:330 Resp: 452462
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.6 116.4
 141 33.0 26.6 40.0



#45
 2-Fluorobiphenyl
 Concen: 54.78 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF119448.D
 Acq: 19 Mar 2020 19:56

Tgt Ion:172 Resp: 2150489
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.9 44.9
 170 24.7 20.1 30.1

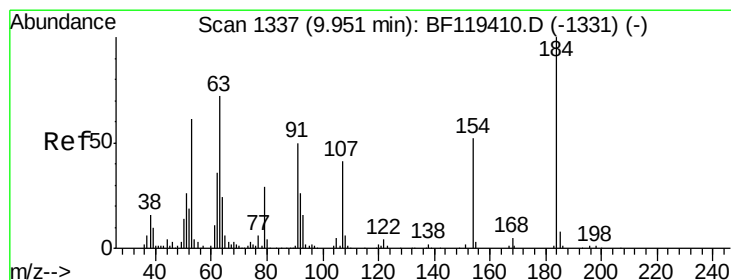
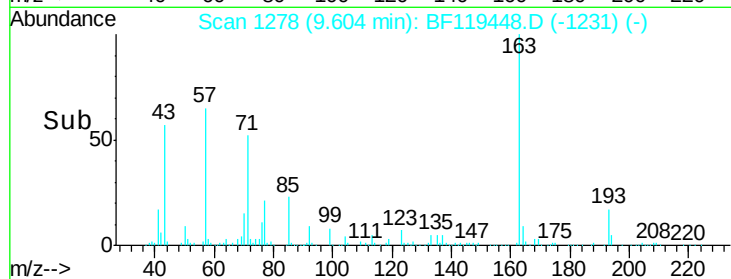
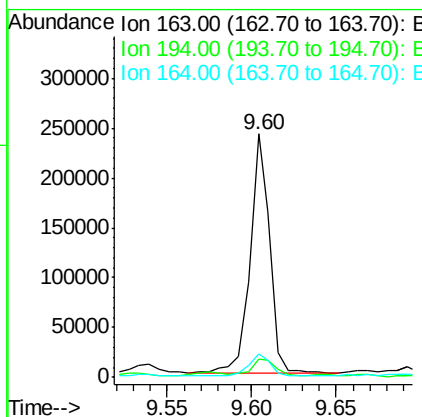
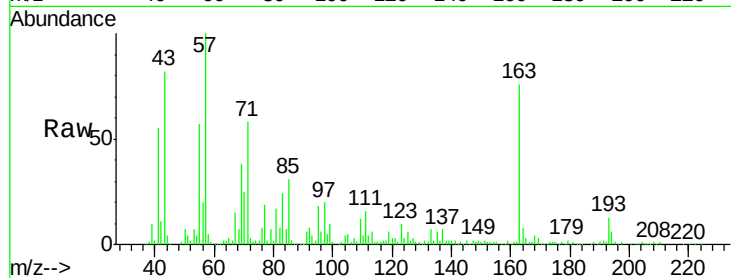




#50
Dimethylphthalate
Concen: 4.73 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF119448.D
Acq: 19 Mar 2020 19:56

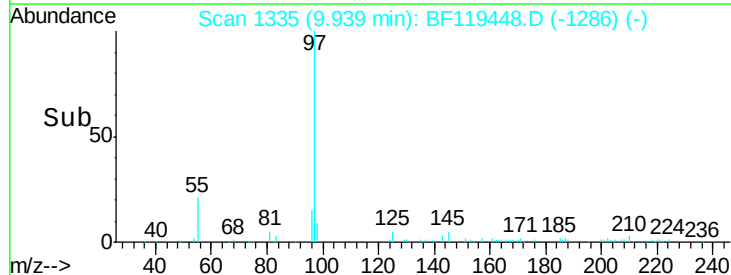
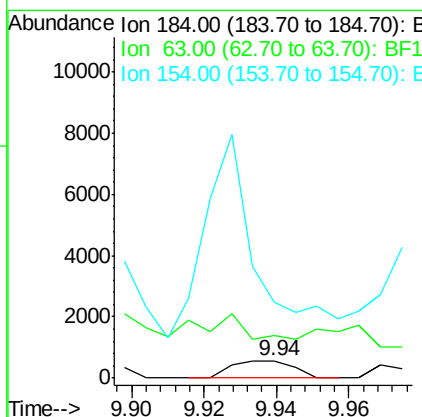
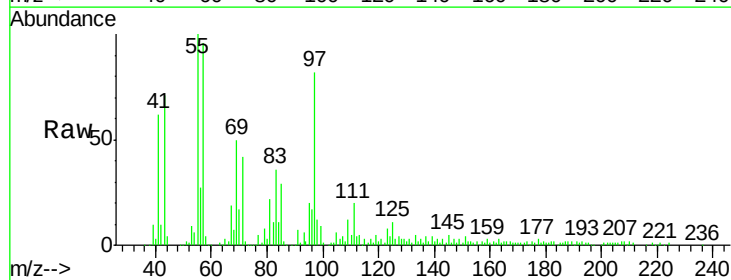
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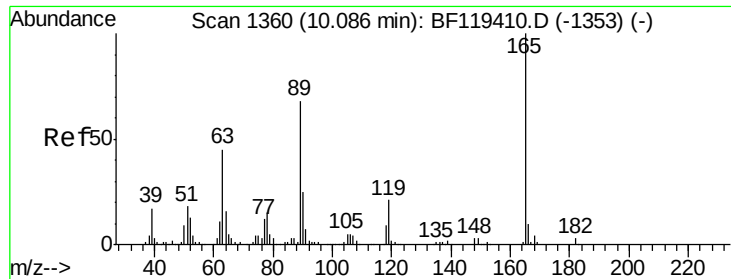
Tgt Ion:163 Resp: 195576
Ion Ratio Lower Upper
163 100
194 7.5 3.2 4.8#
164 9.9 8.1 12.1



#54
2,4-Dinitrophenol
Concen: 7.43 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF119448.D
Acq: 19 Mar 2020 19:56

Tgt Ion:184 Resp: 676
Ion Ratio Lower Upper
184 100
63 241.5 58.5 87.7#
154 429.5 51.8 77.6#





#57

2,4-Dinitrotoluene

Concen: 7.00 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

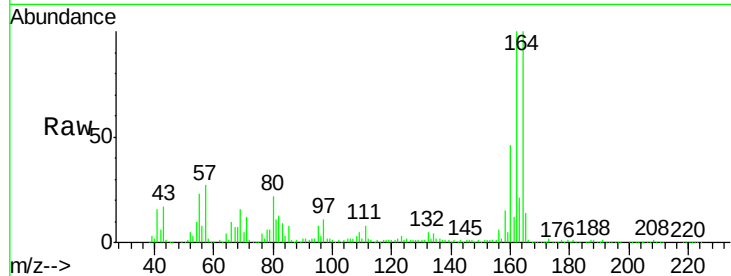
Instrument :

BNA_F

ClientSampled :

TP-7A

Tgt Ion:	165	Resp:	78102
Ion Ratio	Lower	Upper	
165	100		
63	2.4	36.2	54.4#
89	1.8	54.3	81.5#
182	2.6	2.0	3.0

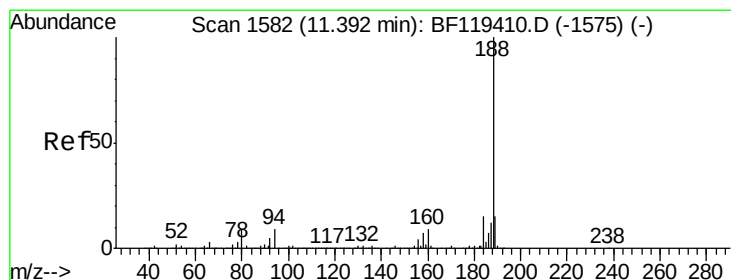
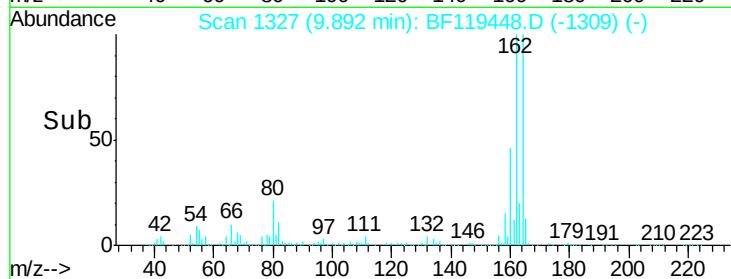
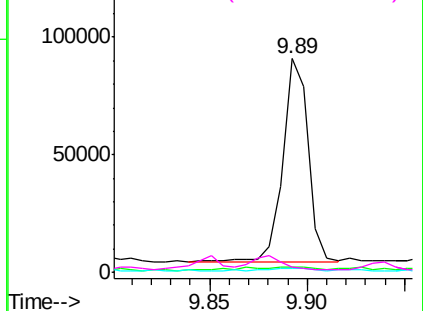


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.00 ng

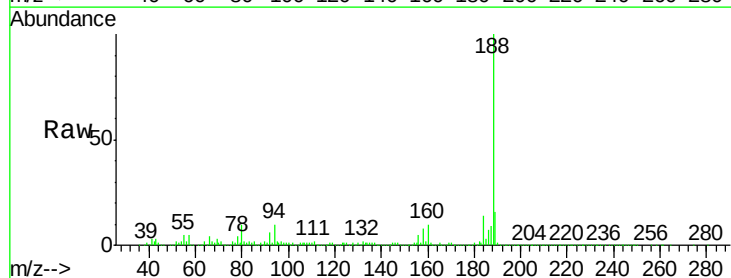
RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

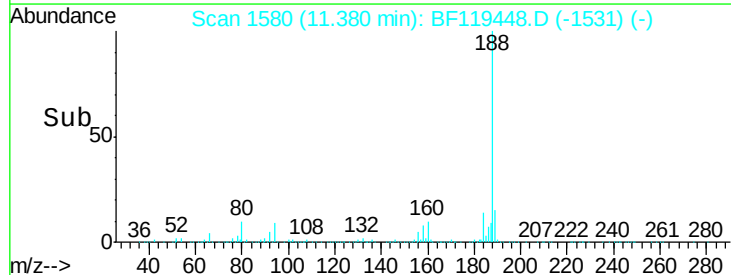
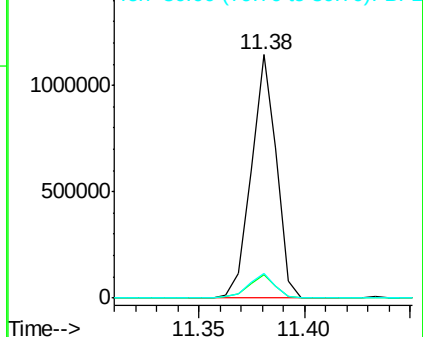
Tgt Ion:	188	Resp:	940372
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.1	10.7
80	10.4	7.5	11.3

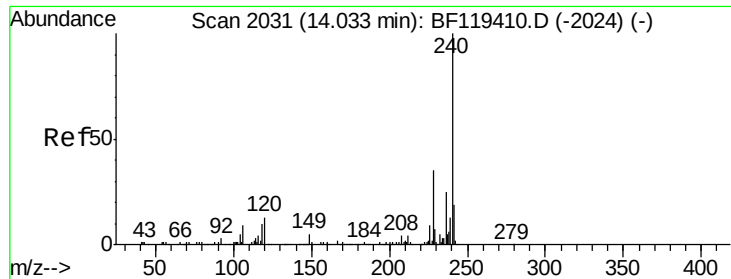


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

Instrument :

BNA_F

ClientSampleId :

TP-7A

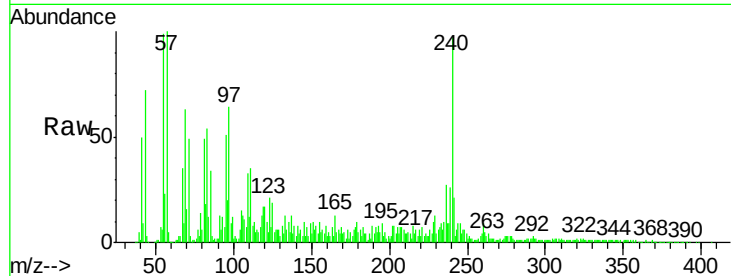
Tgt Ion:240 Resp: 465434

Ion Ratio Lower Upper

240 100

120 18.1 10.2 15.4#

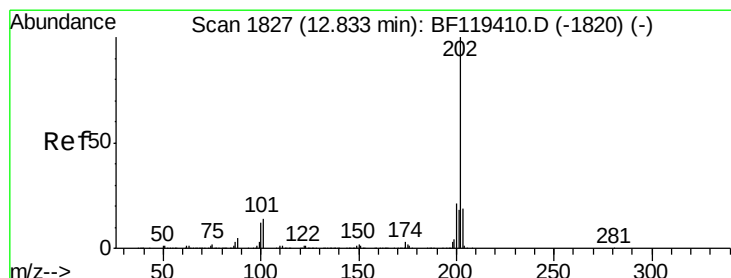
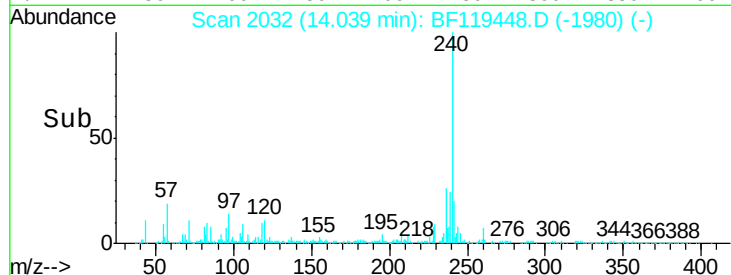
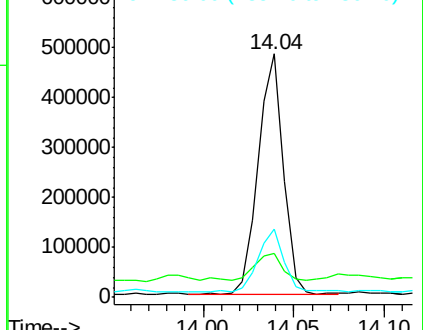
236 28.0 20.4 30.6



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: 3.31 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

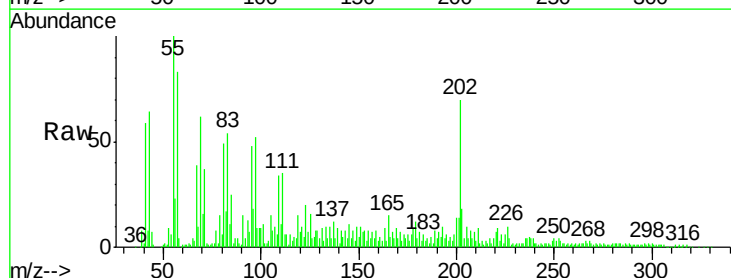
Tgt Ion:202 Resp: 126428

Ion Ratio Lower Upper

202 100

200 20.6 16.8 25.2

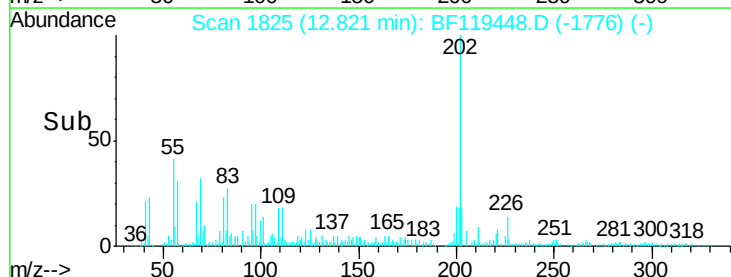
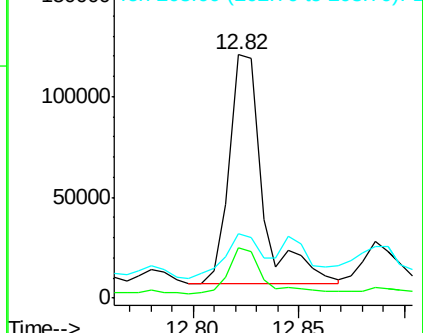
203 26.2 14.8 22.2#

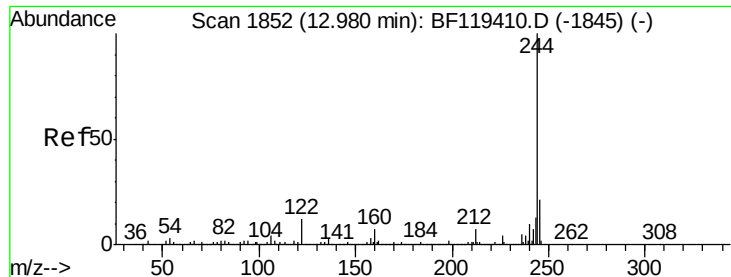


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.51 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

Instrument :

BNA_F

ClientSampleId :

TP-7A

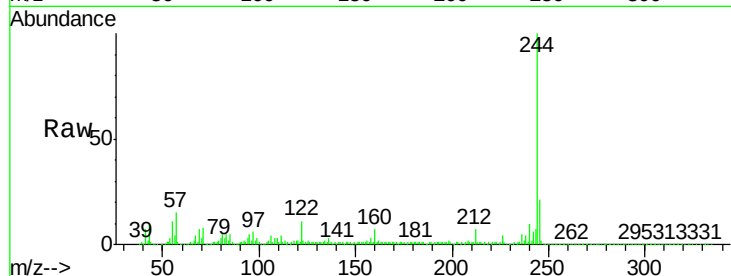
Tgt Ion:244 Resp: 1627480

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 11.3 9.8 14.8

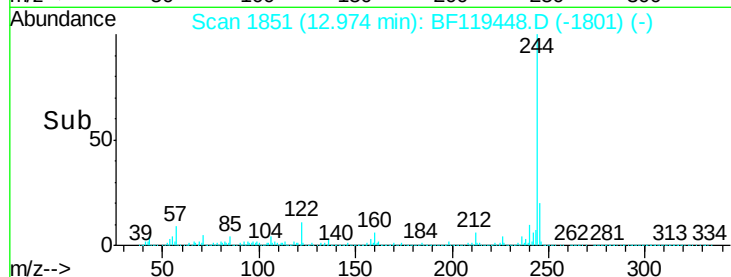


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



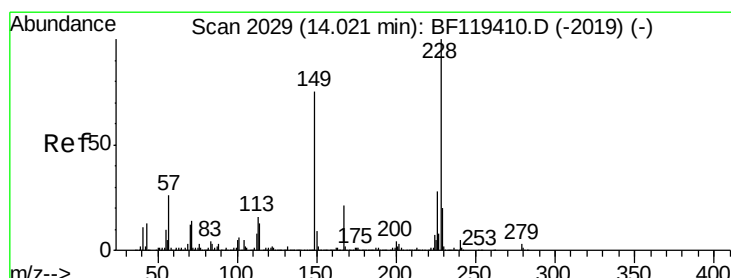
Abundance

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

Time-->



#81

Benzo(a)anthracene

Concen: 3.95 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

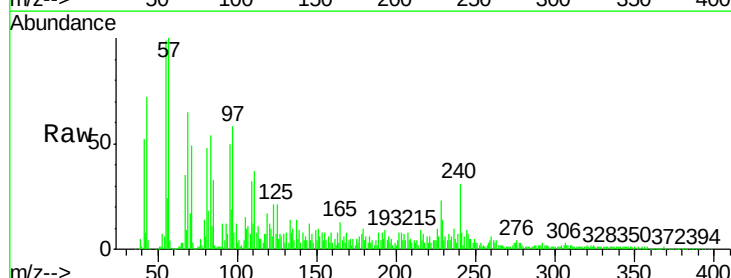
Tgt Ion:228 Resp: 119568

Ion Ratio Lower Upper

228 100

226 42.6 22.3 33.5#

229 59.4 16.3 24.5#

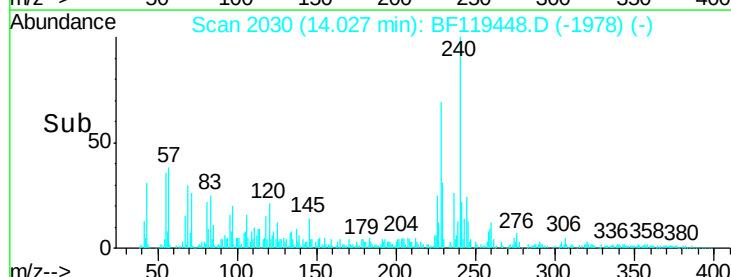


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



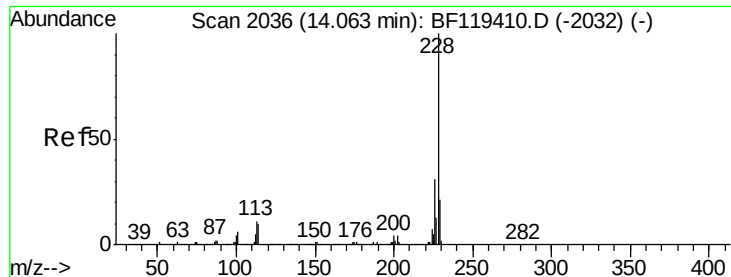
Abundance

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

Time-->



#83

Chrysene

Concen: 4.91 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

Instrument :

BNA_F

ClientSampleId :

TP-7A

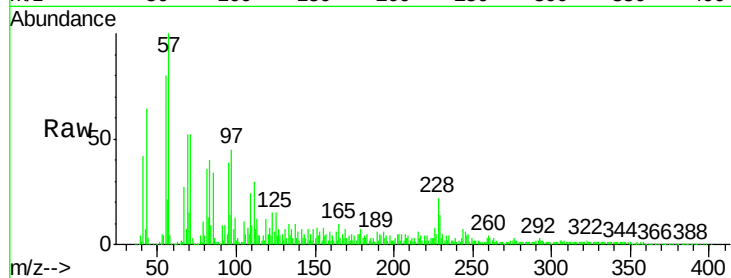
Tgt Ion:228 Resp: 153224

Ion Ratio Lower Upper

228 100

226 37.3 24.8 37.2#

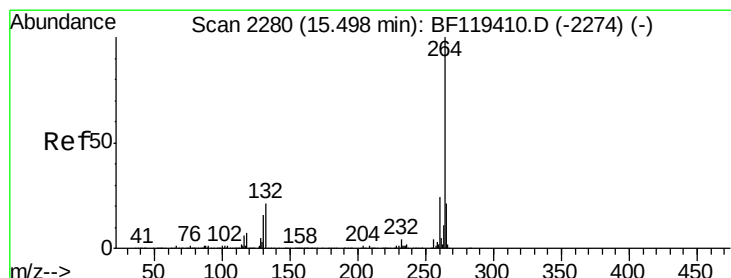
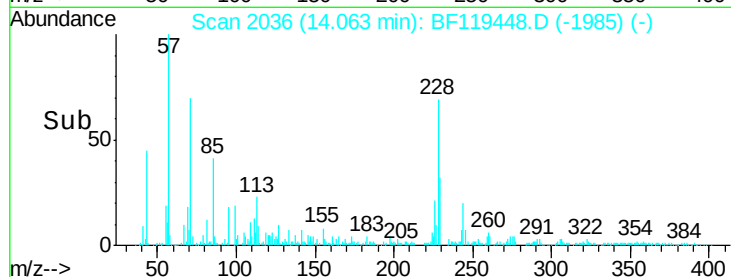
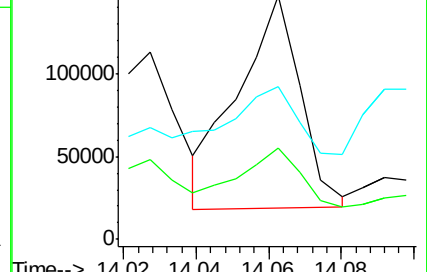
229 62.6 16.6 25.0#



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.04 min

Lab File: BF119448.D

Acq: 19 Mar 2020 19:56

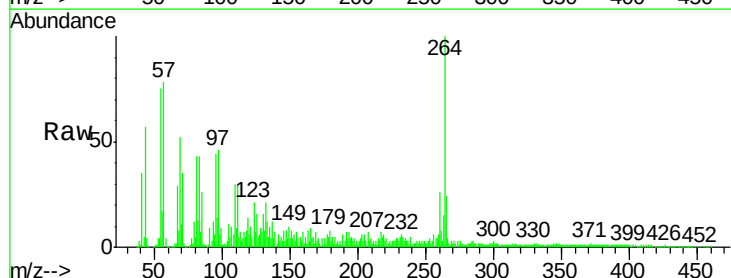
Tgt Ion:264 Resp: 593824

Ion Ratio Lower Upper

264 100

260 25.6 19.2 28.8

265 24.2 16.9 25.3



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

