

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
 Data File : BF119700.D
 Acq On : 2 Apr 2020 6:40
 Operator : MA/SJ
 Sample : L2055-07RE
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9-(1-3)

Quant Time: Apr 02 07:14:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

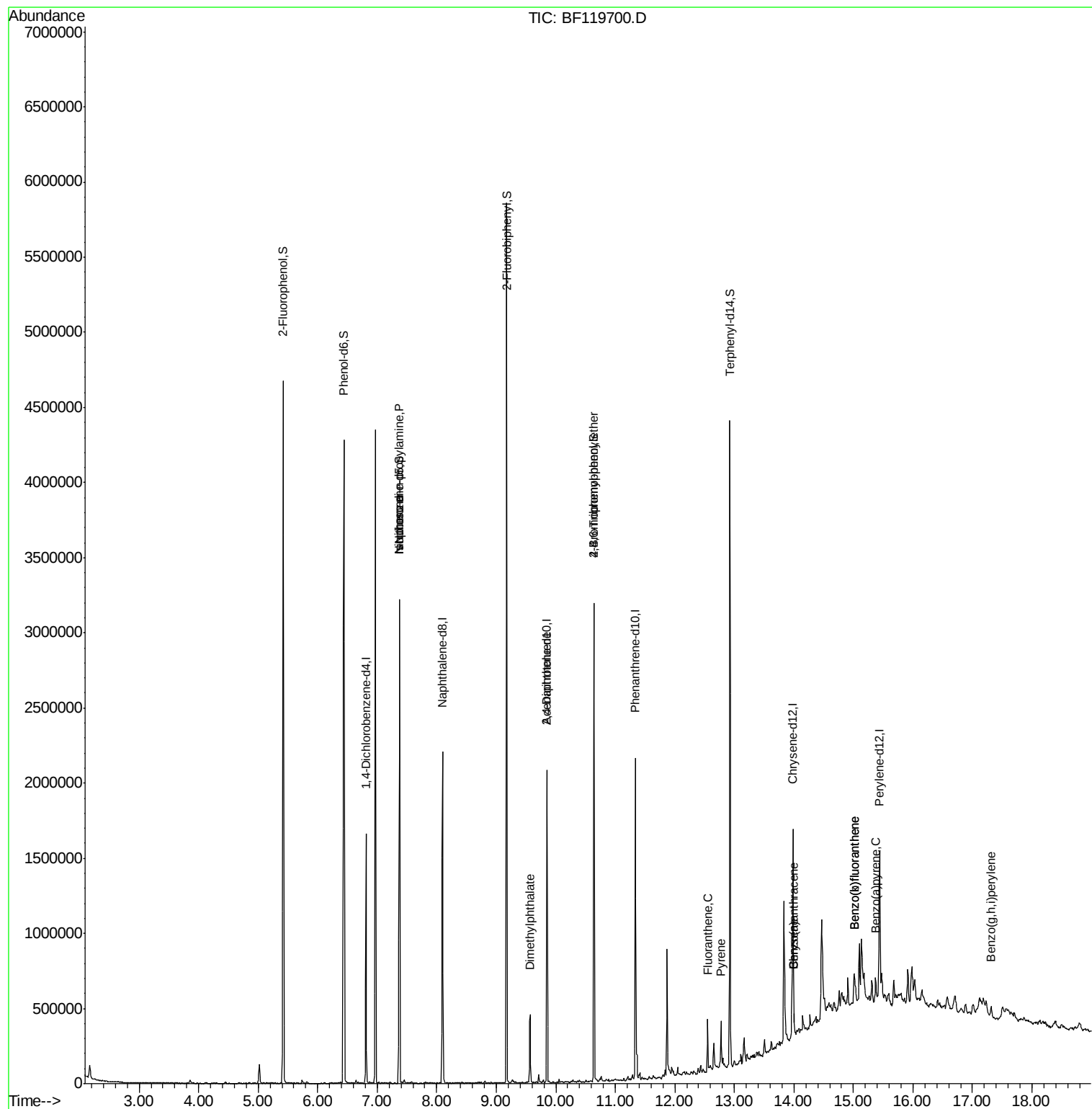
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	234174	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	853187	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	416672	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	715335	20.00	ng	-0.01
76) Chrysene-d12	13.98	240	436228	20.00	ng	-0.02
87) Perylene-d12	15.44	264	435307	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1253621	85.22	ng	0.00
7) Phenol-d6	6.44	99	1584471	84.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	960103	61.16	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	377043	87.71	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1674643	59.54	ng	0.00
79) Terphenyl-d14	12.93	244	1434646	64.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	127567	11.26	ng	# 75
25) Isophorone	7.37	82	957946	30.08	ng	# 65
50) Dimethylphthalate	9.57	163	177659	6.00	ng	98
57) 2,4-Dinitrotoluene	9.85	165	53918	6.75	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	22362	2.74	ng	# 1
75) Fluoranthene	12.55	202	122258	3.05	ng	98
78) Pyrene	12.78	202	120432	3.36	ng	97
81) Benzo(a)anthracene	14.00	228	59160	2.09	ng	97
83) Chrysene	14.00	228	59160	2.02	ng	98
88) Benzo(b)fluoranthene	15.02	252	129388	4.45	ng	# 88
89) Benzo(k)fluoranthene	15.02	252	129388	4.67	ng	# 90
90) Benzo(a)pyrene	15.37	252	67307	2.55	ng	# 96
92) Benzo(g,h,i)perylene	17.32	276	50399	2.17	ng	# 91

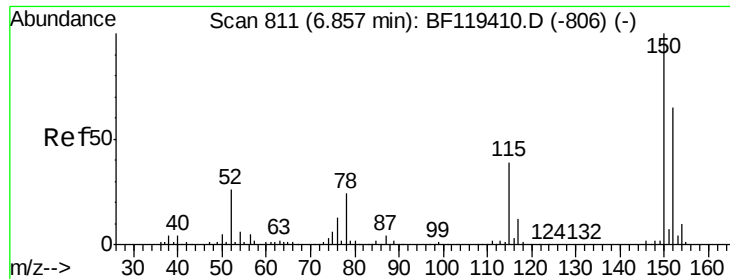
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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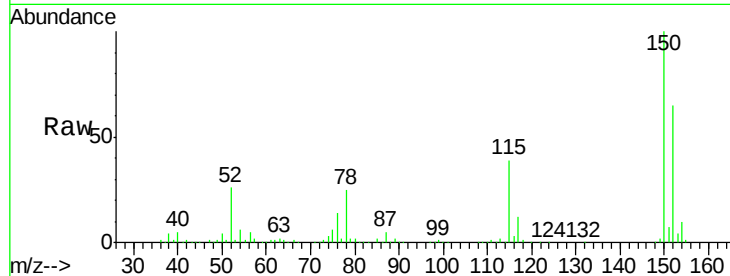




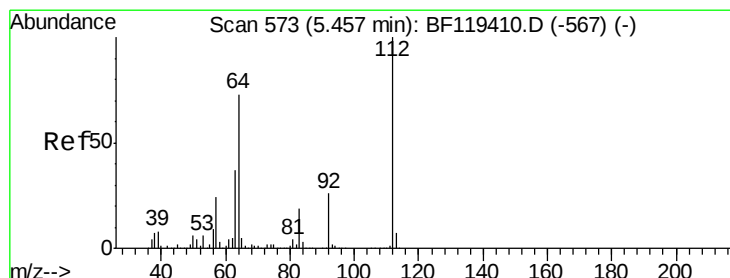
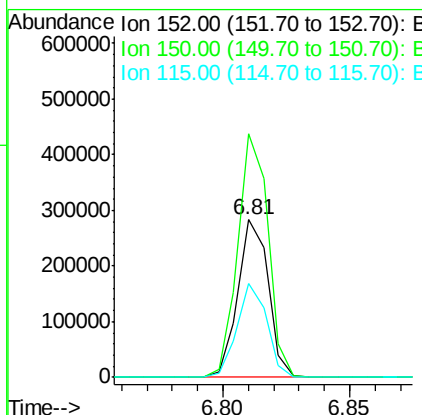
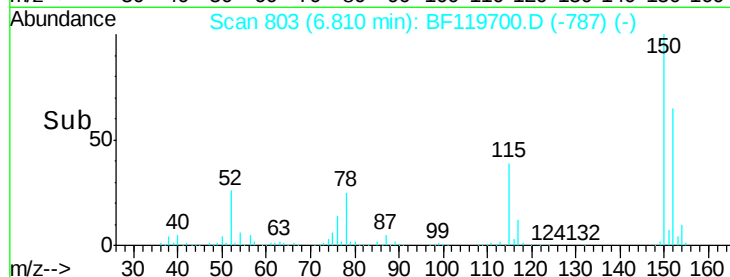
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF119700.D
 Acq: 2 Apr 2020 6:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-9-(1-3)

Tgt Ion:152 Resp: 234174
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.5 186.7
 115 59.6 49.6 74.4

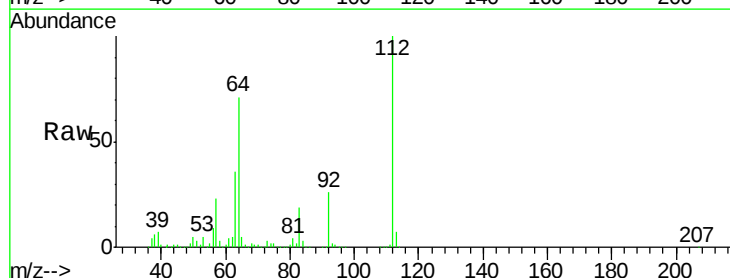


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

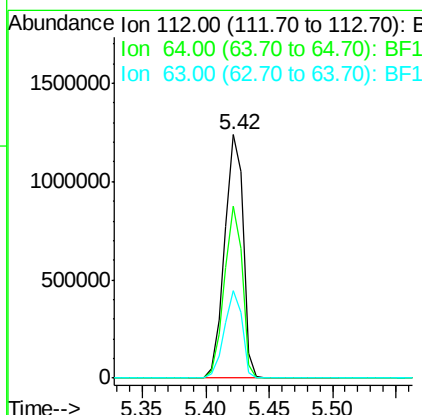
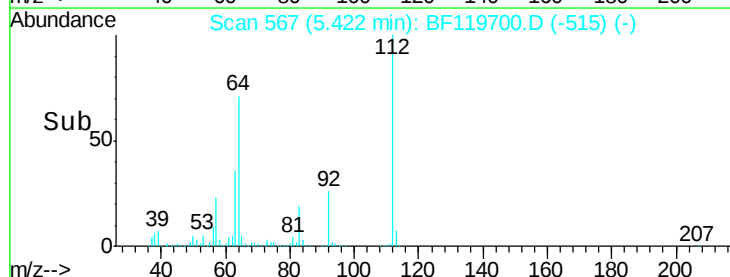


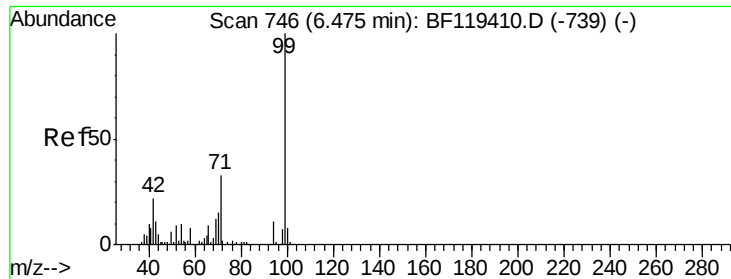
#5
 2-Fluorophenol
 Concen: 85.22 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF119700.D
 Acq: 2 Apr 2020 6:40

Tgt Ion:112 Resp: 1253621
 Ion Ratio Lower Upper
 112 100
 64 70.8 56.7 85.1
 63 35.7 29.5 44.3



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: 84.32 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

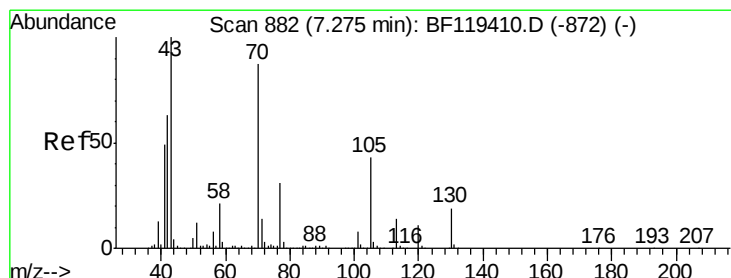
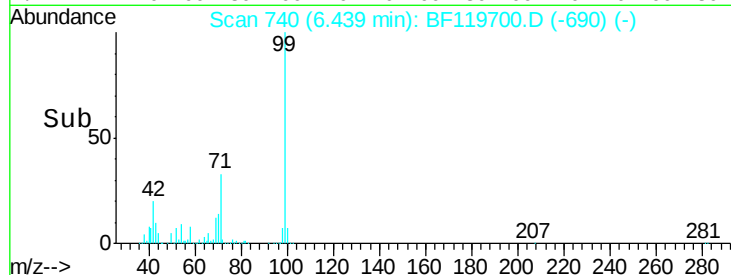
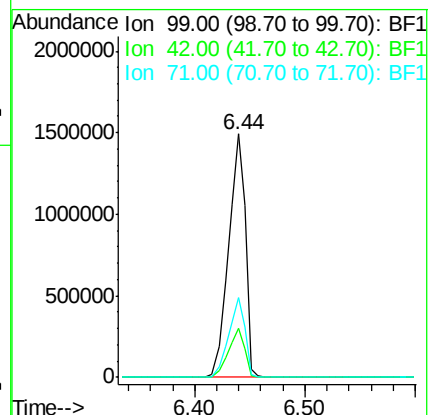
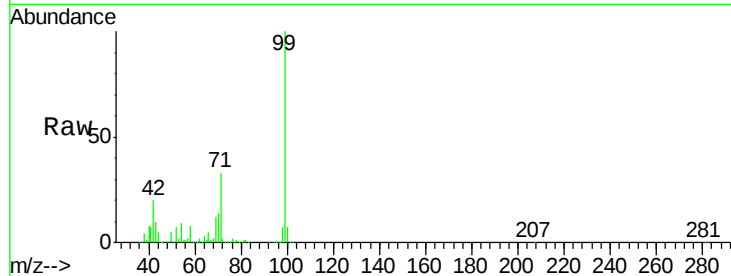
Tgt Ion: 99 Resp: 1584471

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

71 32.9 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.26 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Tgt Ion: 70 Resp: 127567

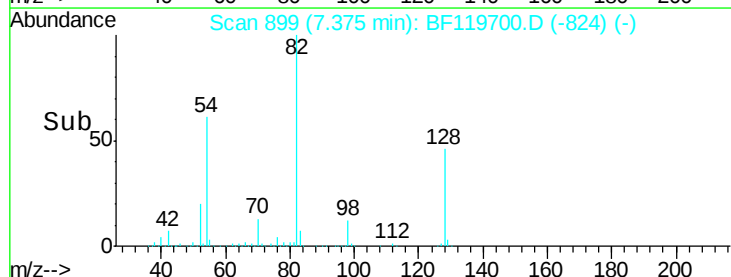
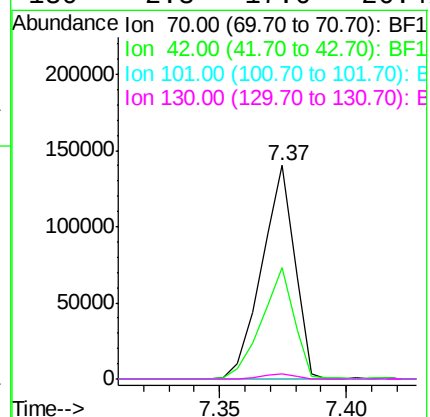
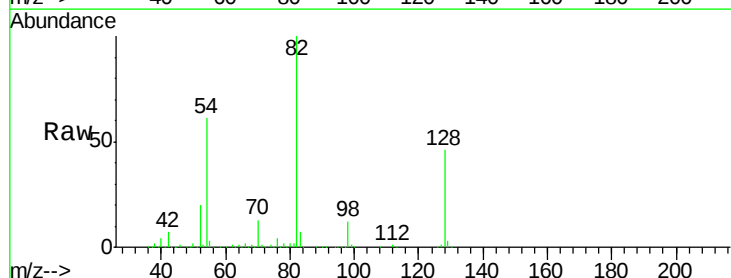
Ion Ratio Lower Upper

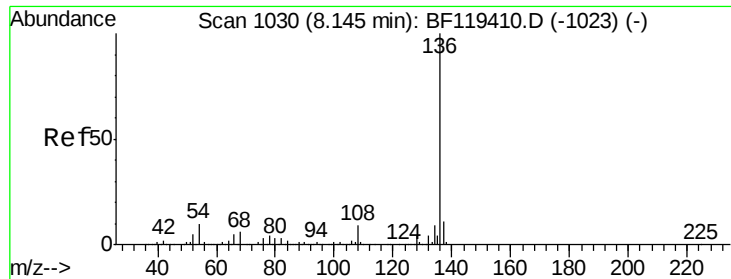
70 100

42 51.9 54.5 81.7#

101 0.0 7.6 11.4#

130 2.3 17.6 26.4#

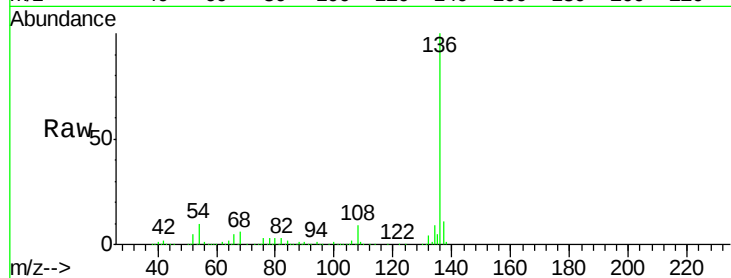




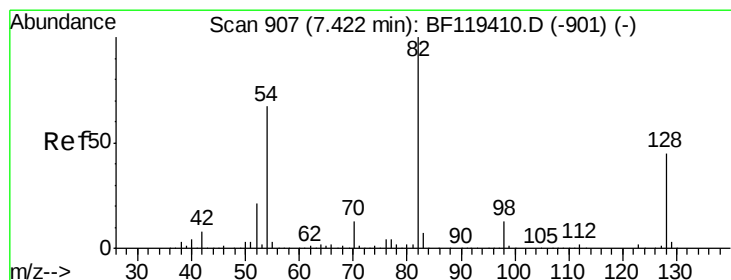
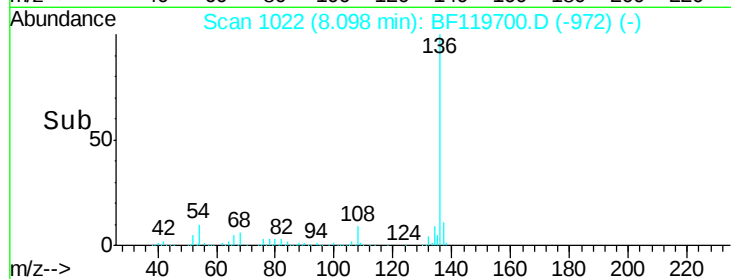
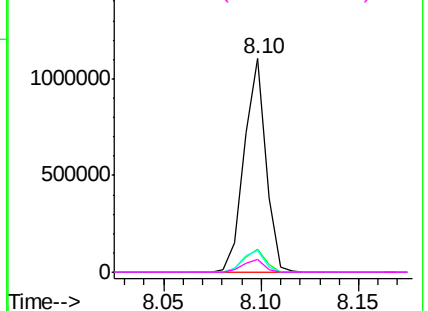
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF119700.D
Acq: 2 Apr 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SB-9-(1-3)

Tgt Ion:	136	Resp:	853187
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	10.1	9.1	13.7
68	5.7	4.6	6.8

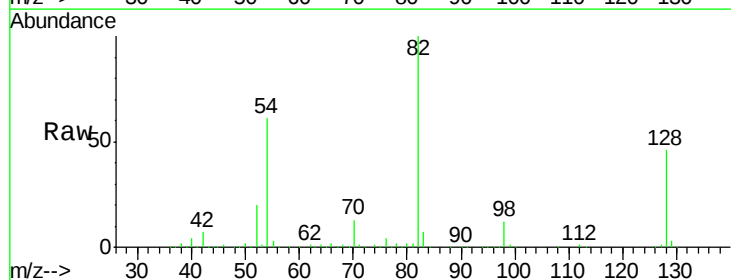


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

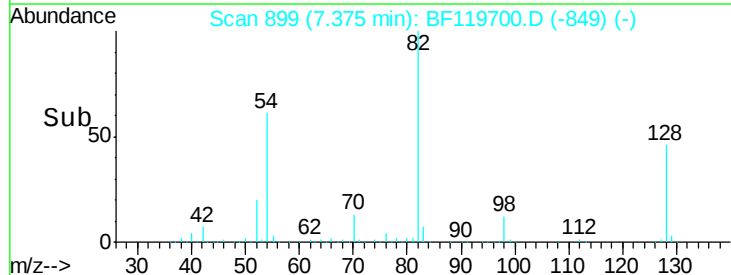
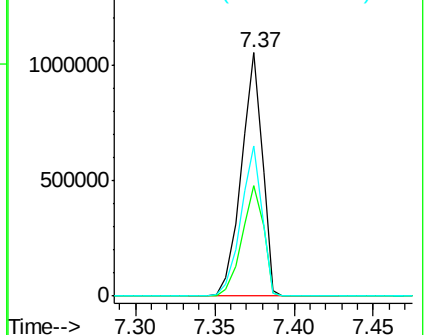


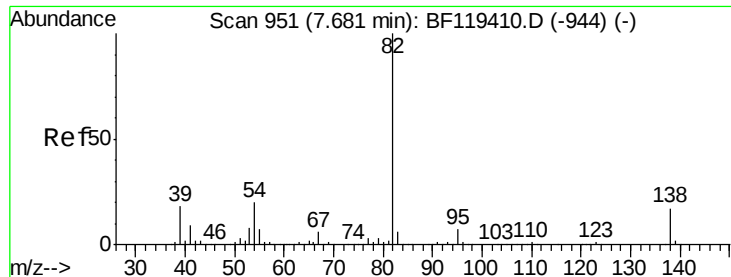
#23
Nitrobenzene-d5
Concen: 61.16 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF119700.D
Acq: 2 Apr 2020 6:40

Tgt Ion:	82	Resp:	960103
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.3	54.5
54	61.5	50.6	75.8



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: 30.08 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

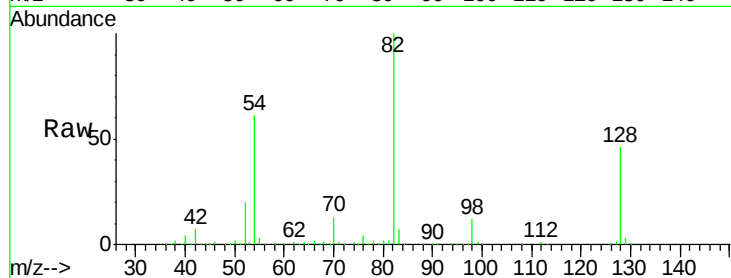
Tgt Ion: 82 Resp: 957946

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

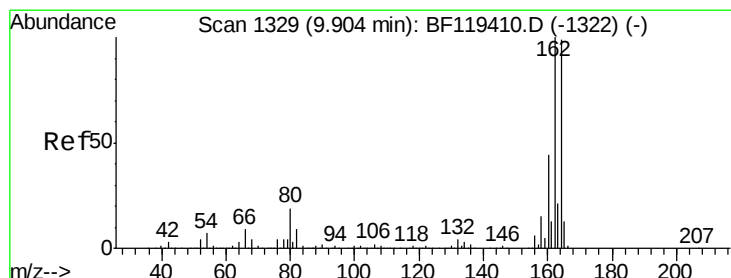
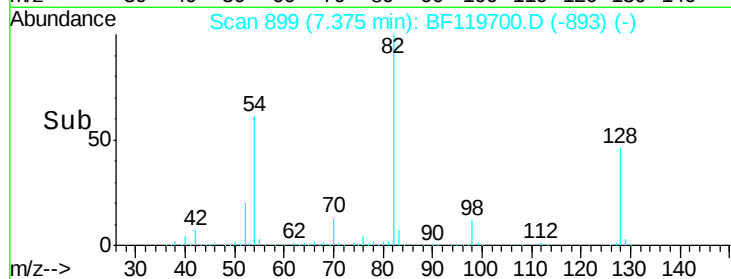
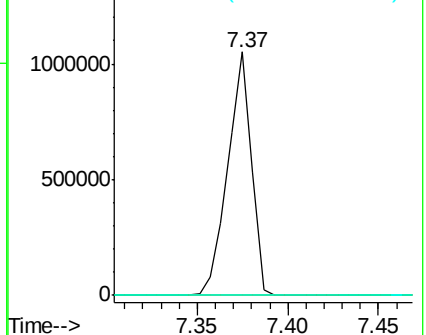
138 0.0 14.6 21.8#



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: 20.00 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

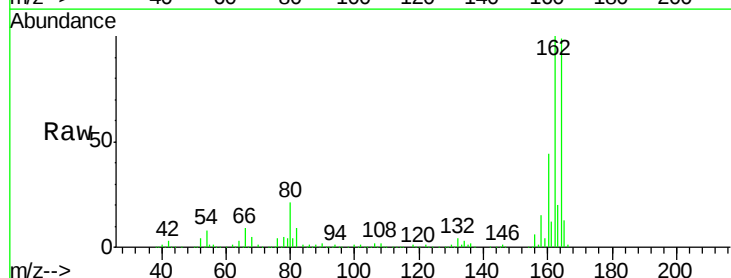
Tgt Ion: 164 Resp: 416672

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

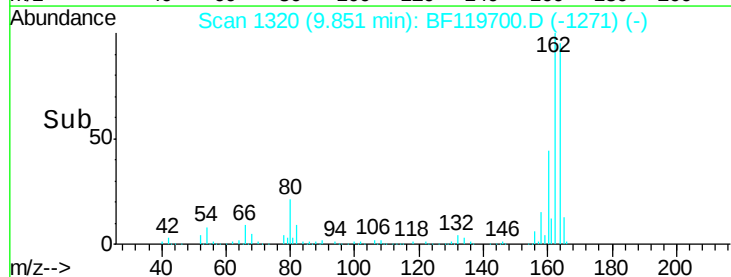
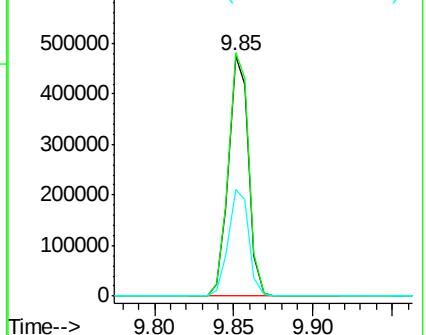
160 44.5 35.7 53.5

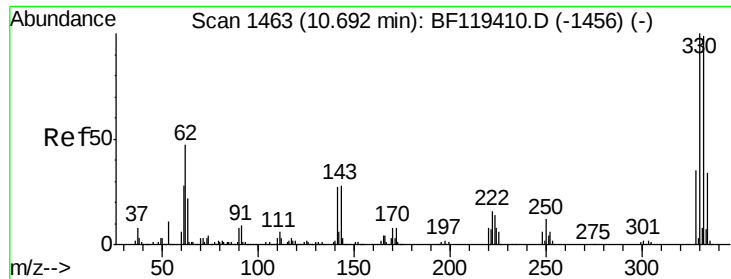


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

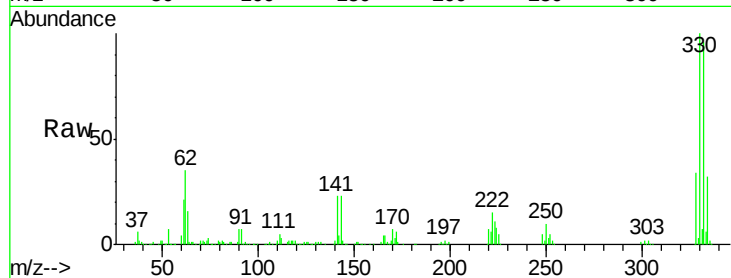




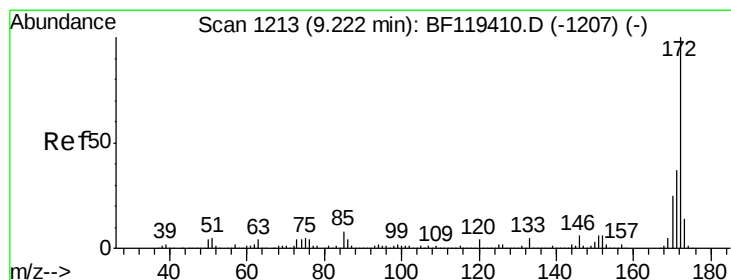
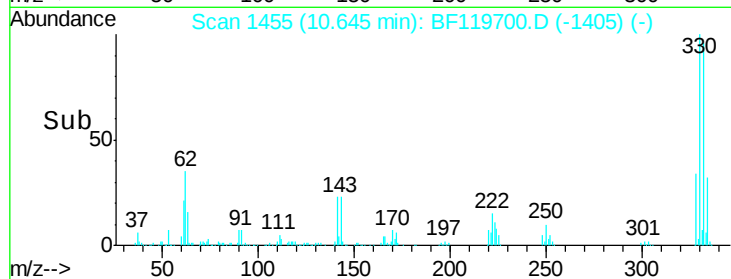
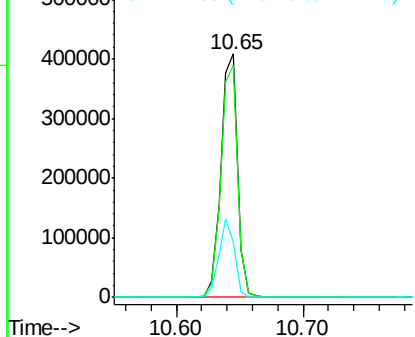
#42
 2,4,6-Tribromophenol
 Concen: 87.71 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF119700.D
 Acq: 2 Apr 2020 6:40

Instrument :
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 SB-9-(1-3)

Tgt Ion:330 Resp: 377043
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 30.7 25.4 38.0

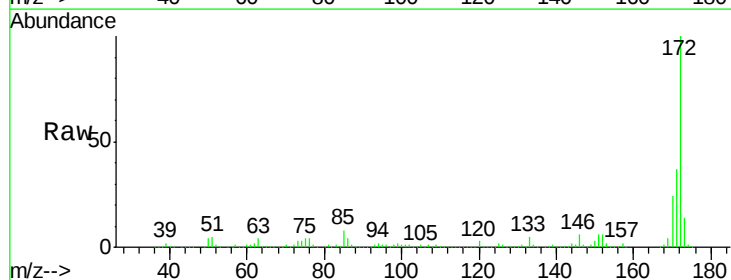


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

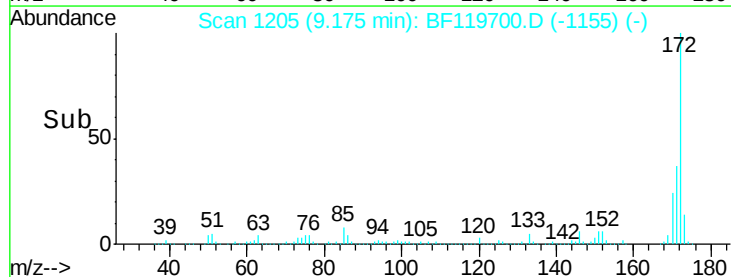
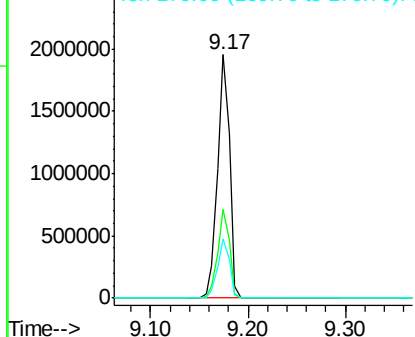


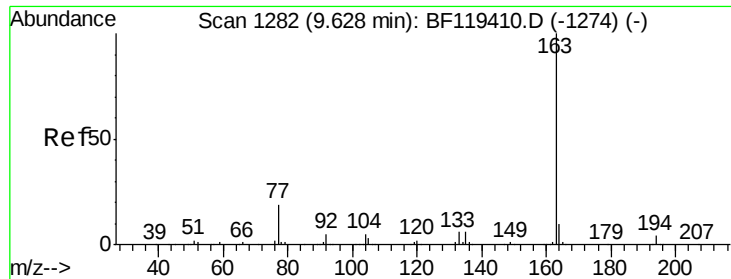
#45
 2-Fluorobiphenyl
 Concen: 59.54 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF119700.D
 Acq: 2 Apr 2020 6:40

Tgt Ion:172 Resp: 1674643
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.3 20.2 30.2



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

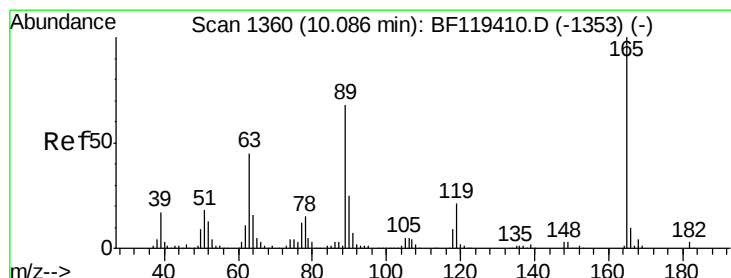
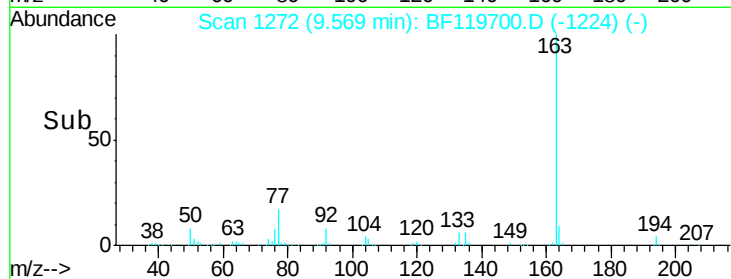
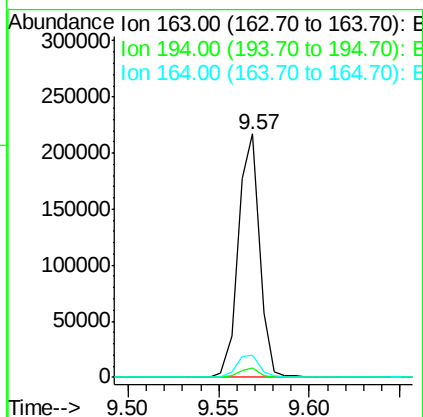
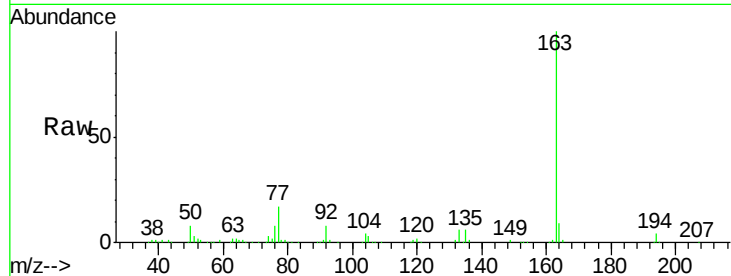




#50
Dimethylphthalate
Concen: 6.00 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF119700.D
Acq: 2 Apr 2020 6:40

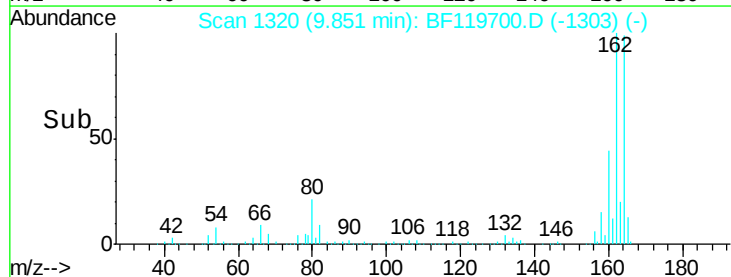
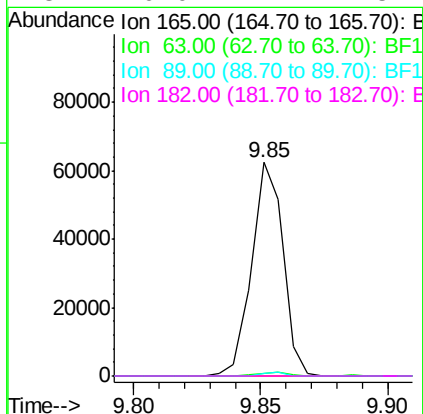
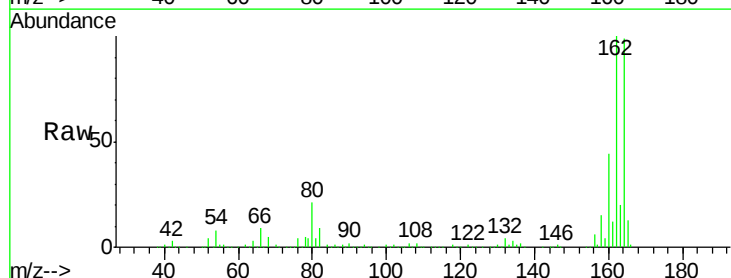
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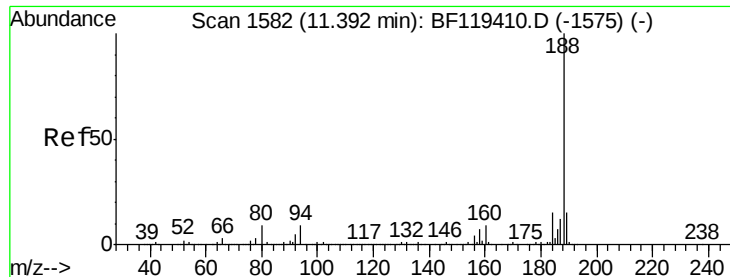
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.2	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 6.75 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.20 min
Lab File: BF119700.D
Acq: 2 Apr 2020 6:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

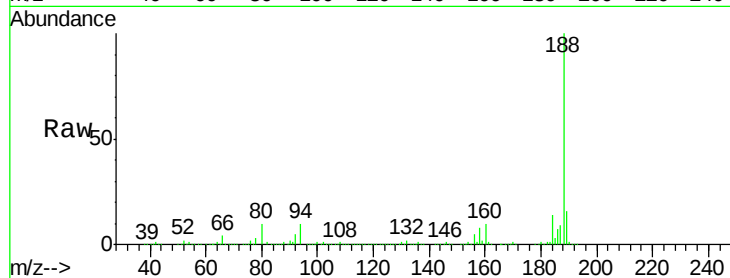
Tgt Ion:188 Resp: 715335

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

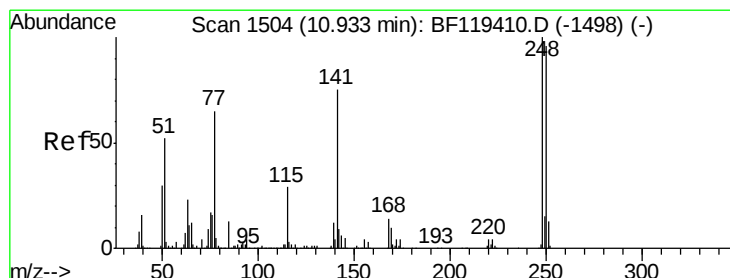
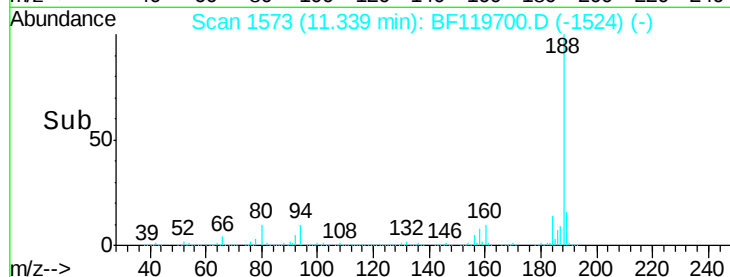
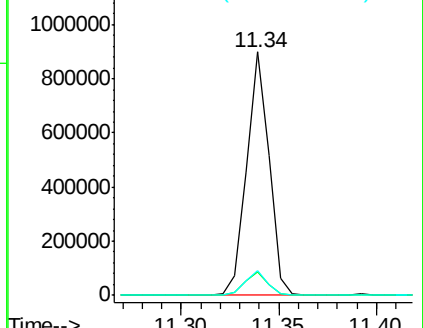
80 10.2 9.0 13.4



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



#67

4-Bromophenyl-phenylether

Concen: 2.74 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

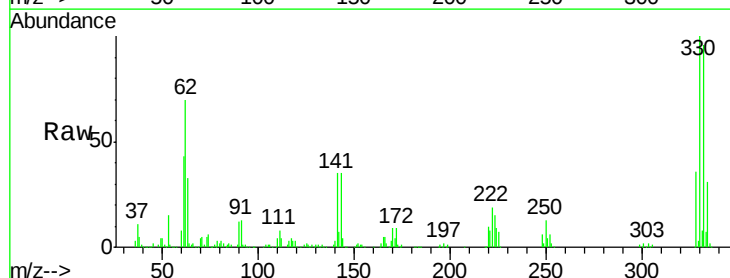
Tgt Ion:248 Resp: 22362

Ion Ratio Lower Upper

248 100

250 207.8 77.3 115.9#

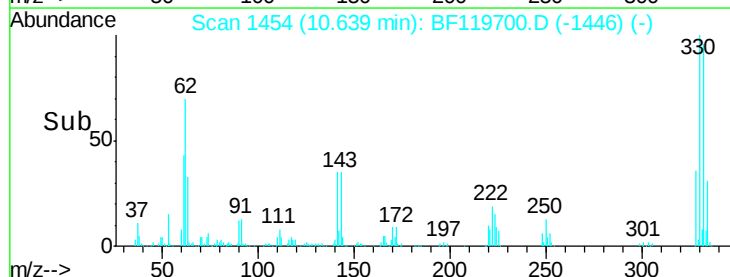
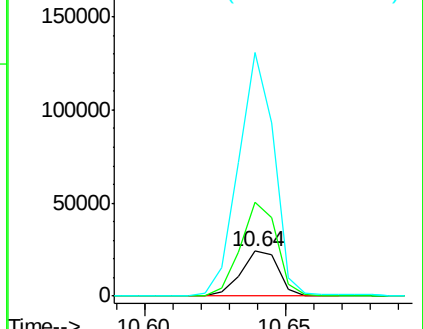
141 539.1 58.6 87.8#

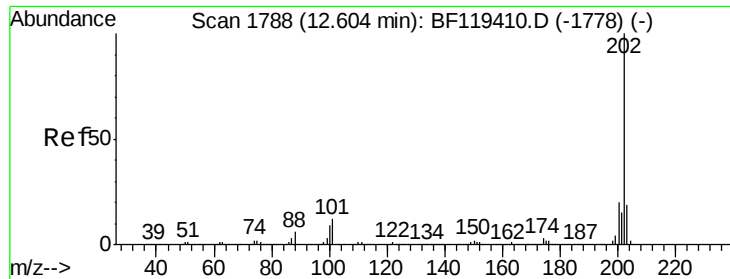


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

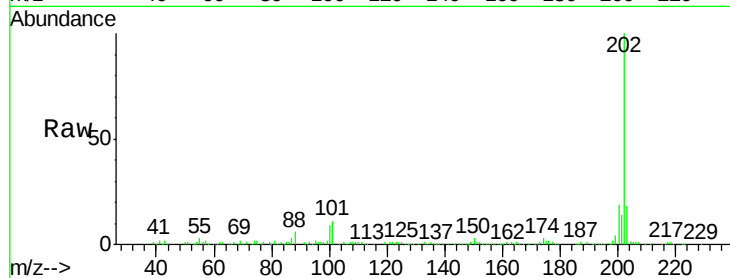




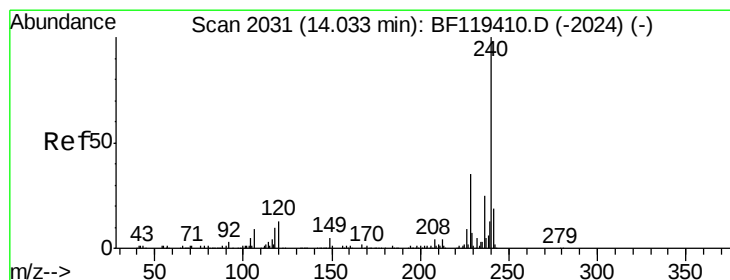
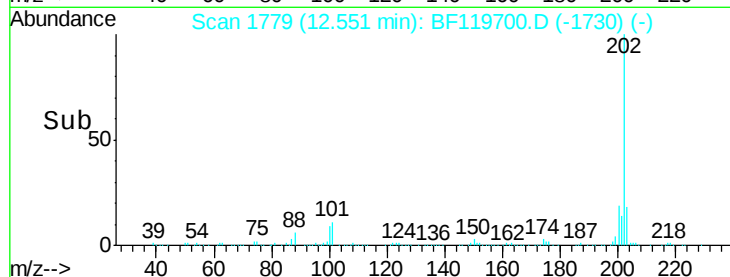
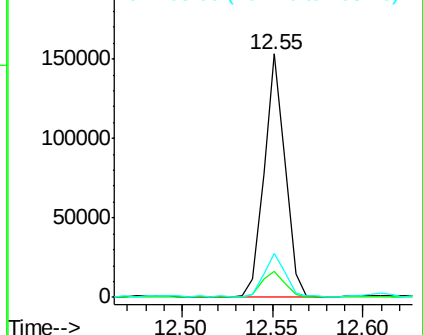
#75
Fluoranthene
Concen: 3.05 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF119700.D
Acq: 2 Apr 2020 6:40

Instrument :
BNA_F
ClientSampleId :
SB-9-(1-3)

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.2
203	18.2	0.0	38.8

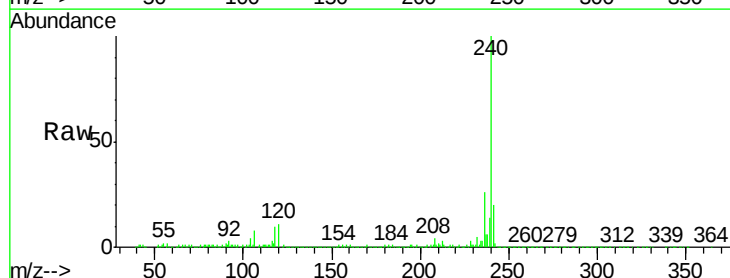


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

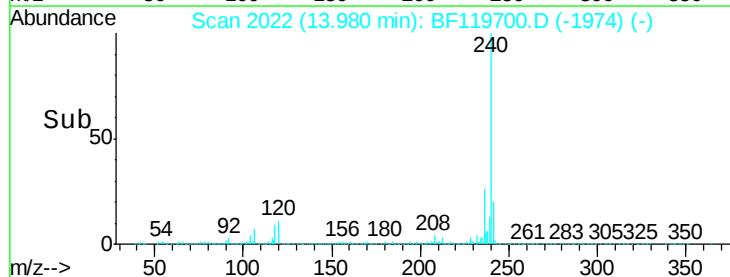
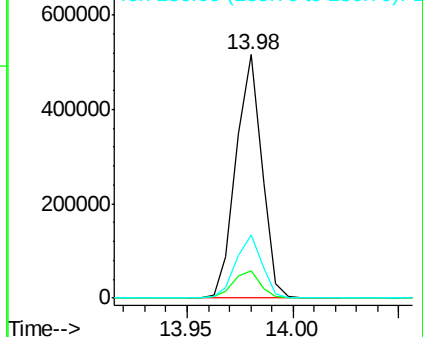


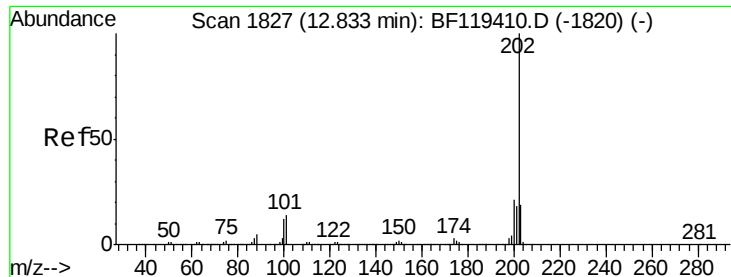
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF119700.D
Acq: 2 Apr 2020 6:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.6	15.8
236	25.7	20.2	30.2



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: 3.36 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

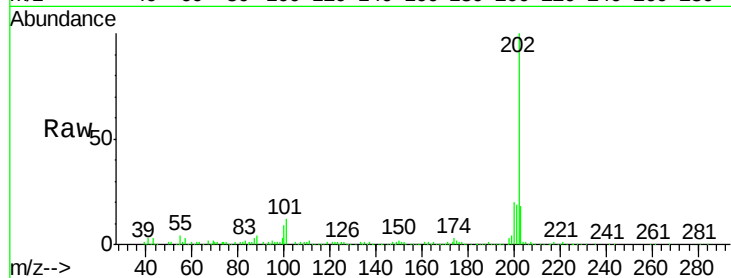
Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

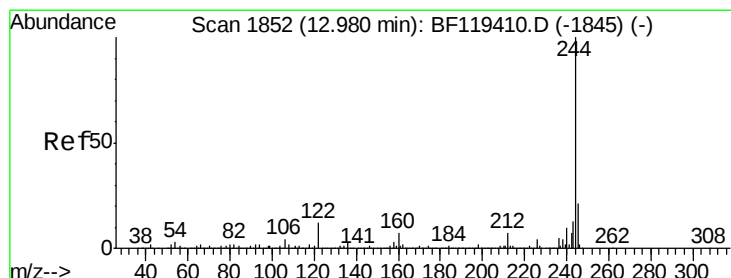
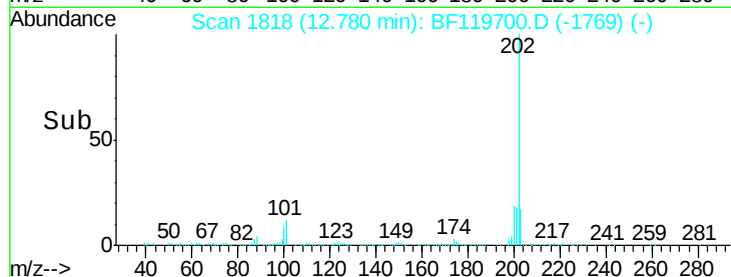
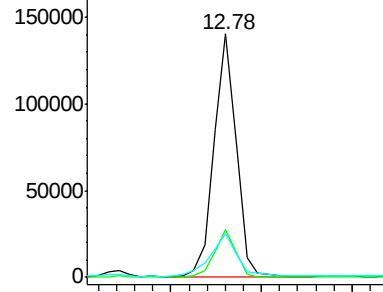
Tgt Ion:	202	Resp:	120432
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.8	25.2
203	18.0	15.1	22.7



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: 64.43 ng

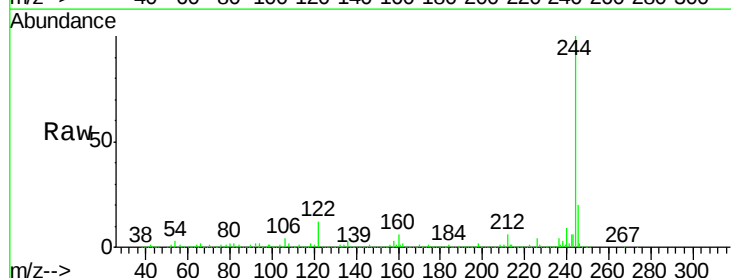
RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

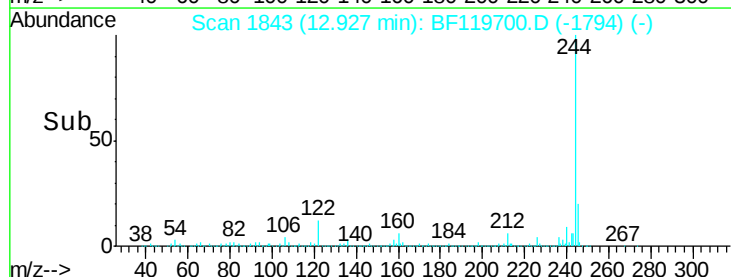
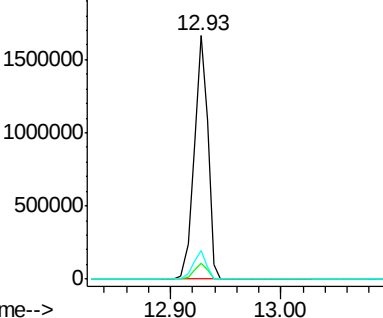
Tgt Ion:	244	Resp:	1434646
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.8	8.8
122	11.7	10.3	15.5

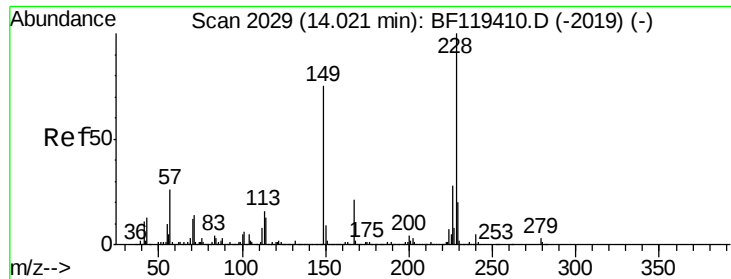


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.09 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

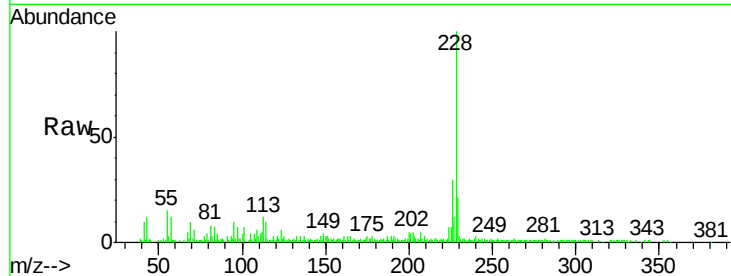
Tgt Ion:228 Resp: 59160

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.8

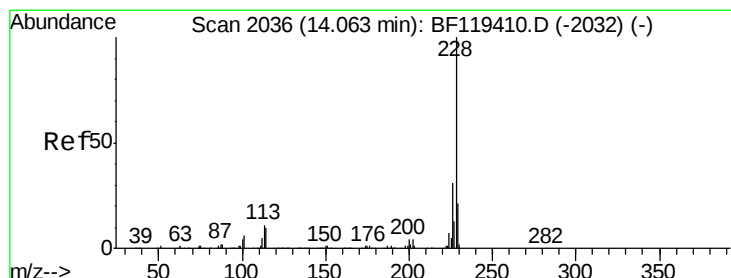
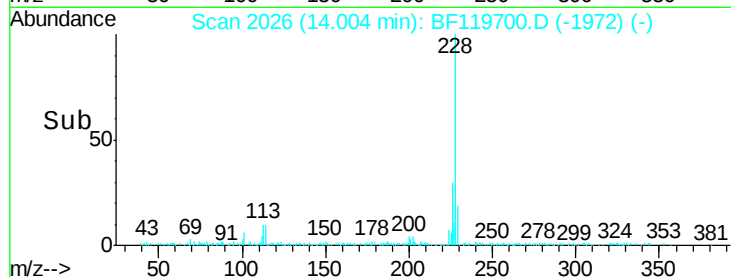
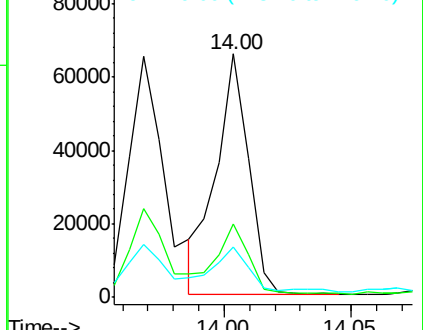
229 20.5 16.2 24.4



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: 2.02 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

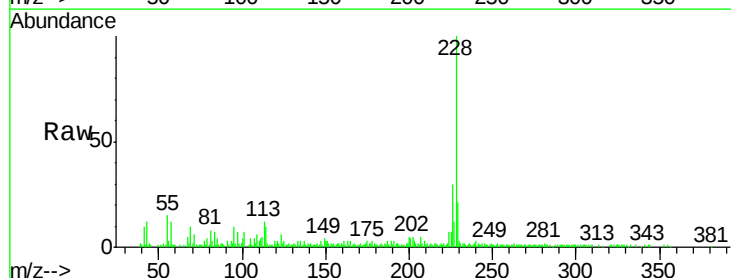
Tgt Ion:228 Resp: 59160

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

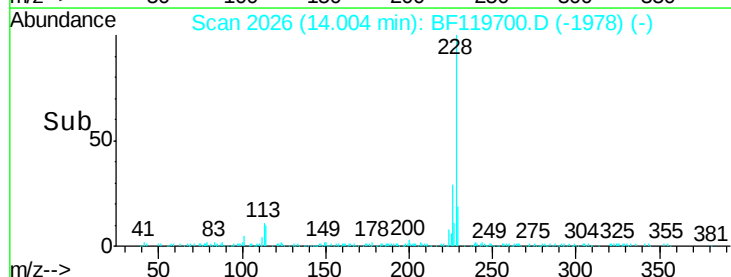
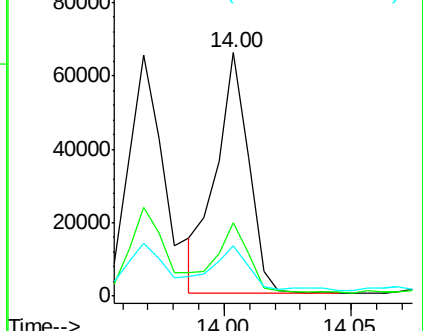
229 20.5 16.6 24.8

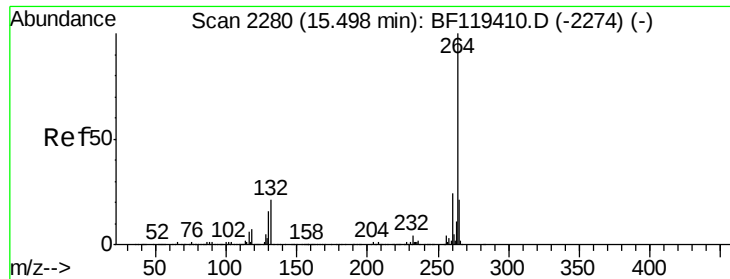


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

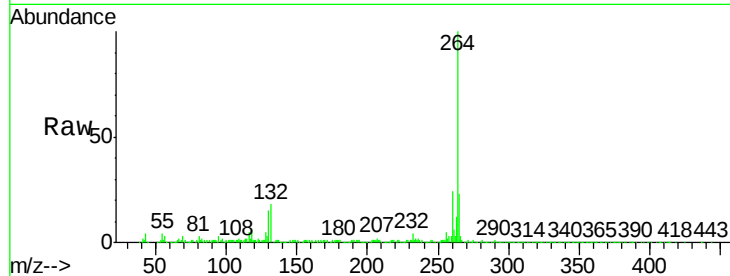
Tgt Ion:264 Resp: 435307

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

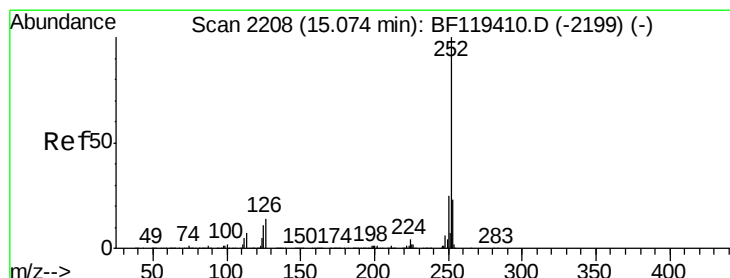
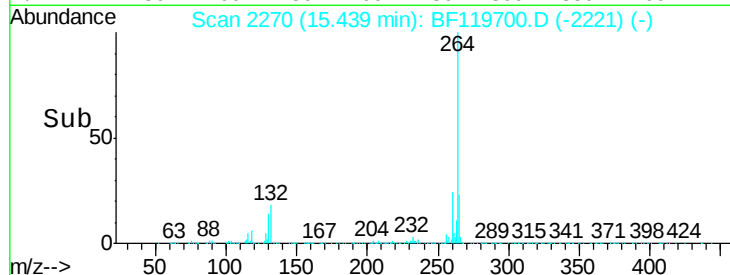
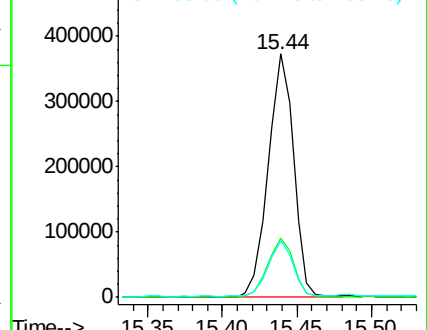
265 23.4 17.7 26.5



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: 4.45 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

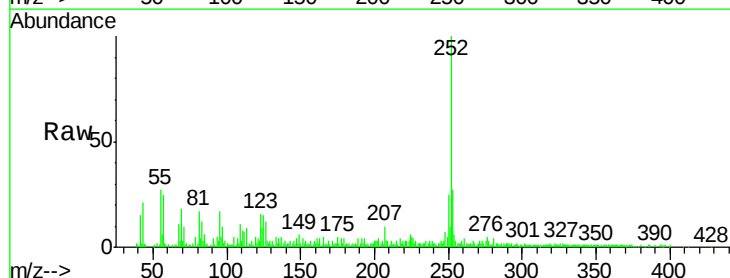
Tgt Ion:252 Resp: 129388

Ion Ratio Lower Upper

252 100

253 26.5 17.4 26.0#

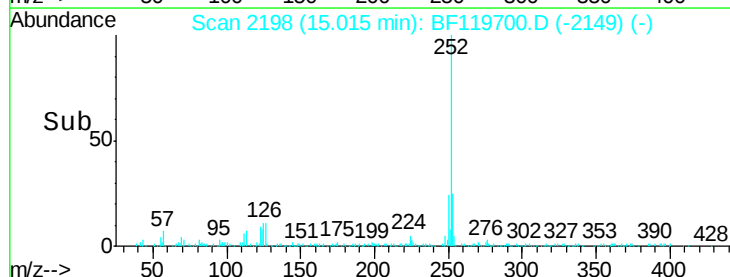
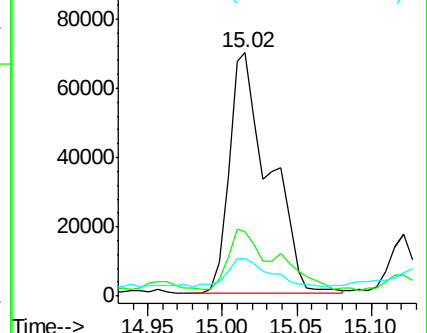
125 15.4 7.9 11.9#

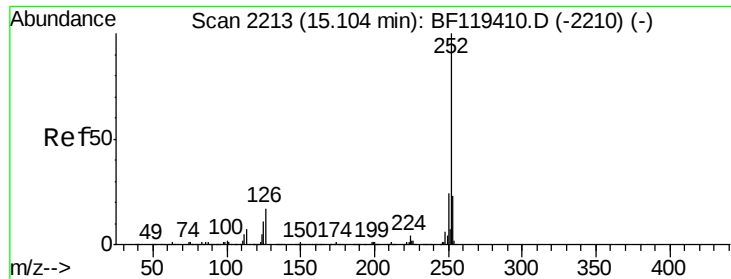


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.67 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.05 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

Instrument :

BNA_F

ClientSampleId :

SB-9-(1-3)

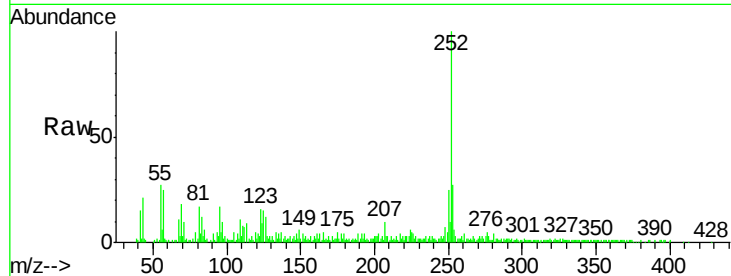
Tgt Ion:252 Resp: 129388

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

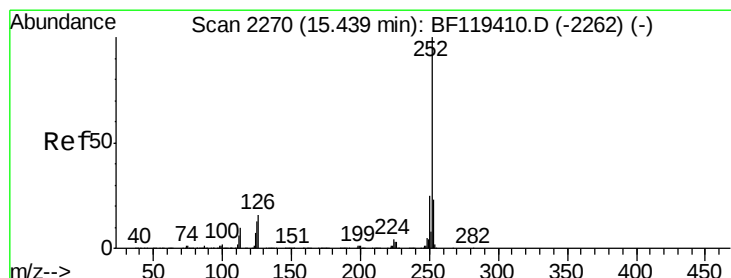
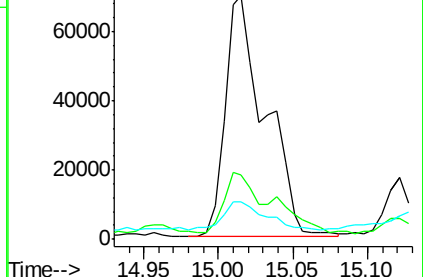
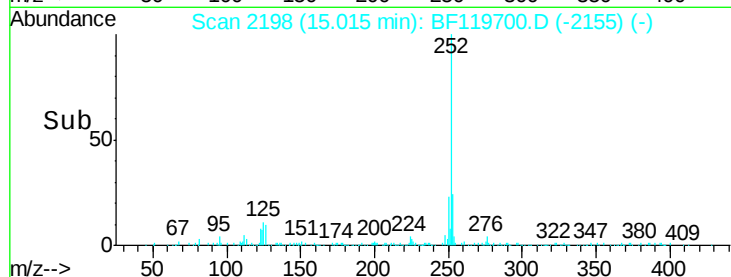
125 15.4 8.4 12.6#



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



#90

Benzo(a)pyrene

Concen: 2.55 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BF119700.D

Acq: 2 Apr 2020 6:40

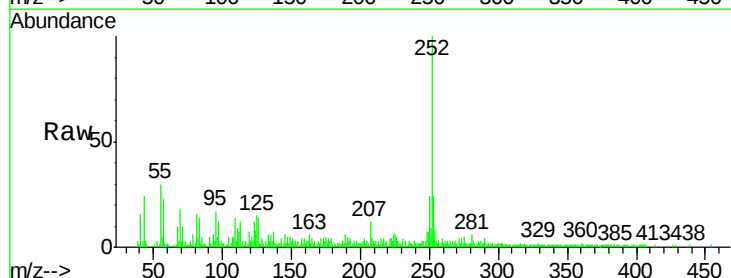
Tgt Ion:252 Resp: 67307

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

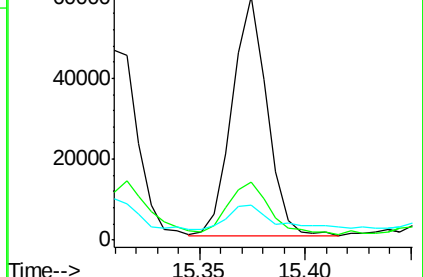
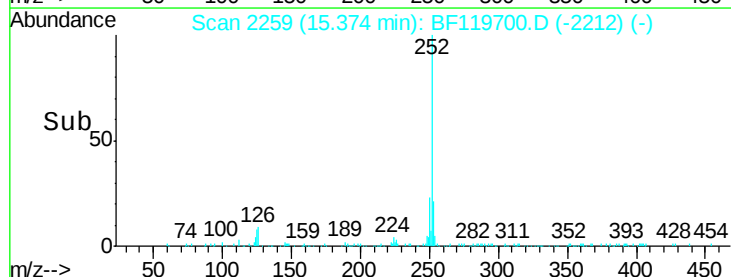
125 14.6 9.4 14.2#

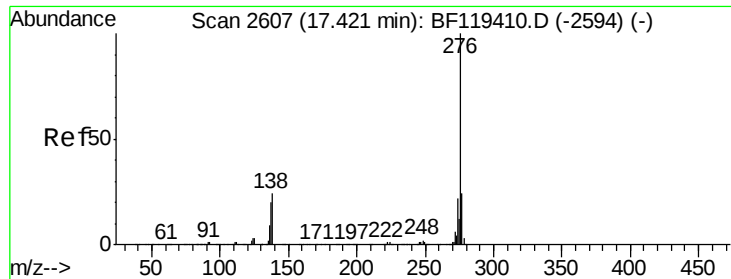


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 2.17 ng
 RT: 17.32 min Scan# 2589
 Delta R.T. -0.04 min
 Lab File: BF119700.D
 Acq: 2 Apr 2020 6:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-9-(1-3)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.4	27.6
138	26.1	15.4	23.0

