

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\
 Data File : BF119884.D
 Acq On : 9 Apr 2020 21:54
 Operator : MA/SJ
 Sample : L2123-01 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:32:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 01:21:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	162546	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	581503	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	258819	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	400052	20.00	ng	0.00
76) Chrysene-d12	13.94	240	273474	20.00	ng	0.00
87) Perylene-d12	15.37	264	251978	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	123904	13.17	ng	0.00
7) Phenol-d6	6.39	99	157979	13.04	ng	-0.01
23) Nitrobenzene-d5	7.33	82	91389	8.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	29821	9.41	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	185097	10.15	ng	-0.01
79) Terphenyl-d14	12.88	244	139354	8.57	ng	0.00

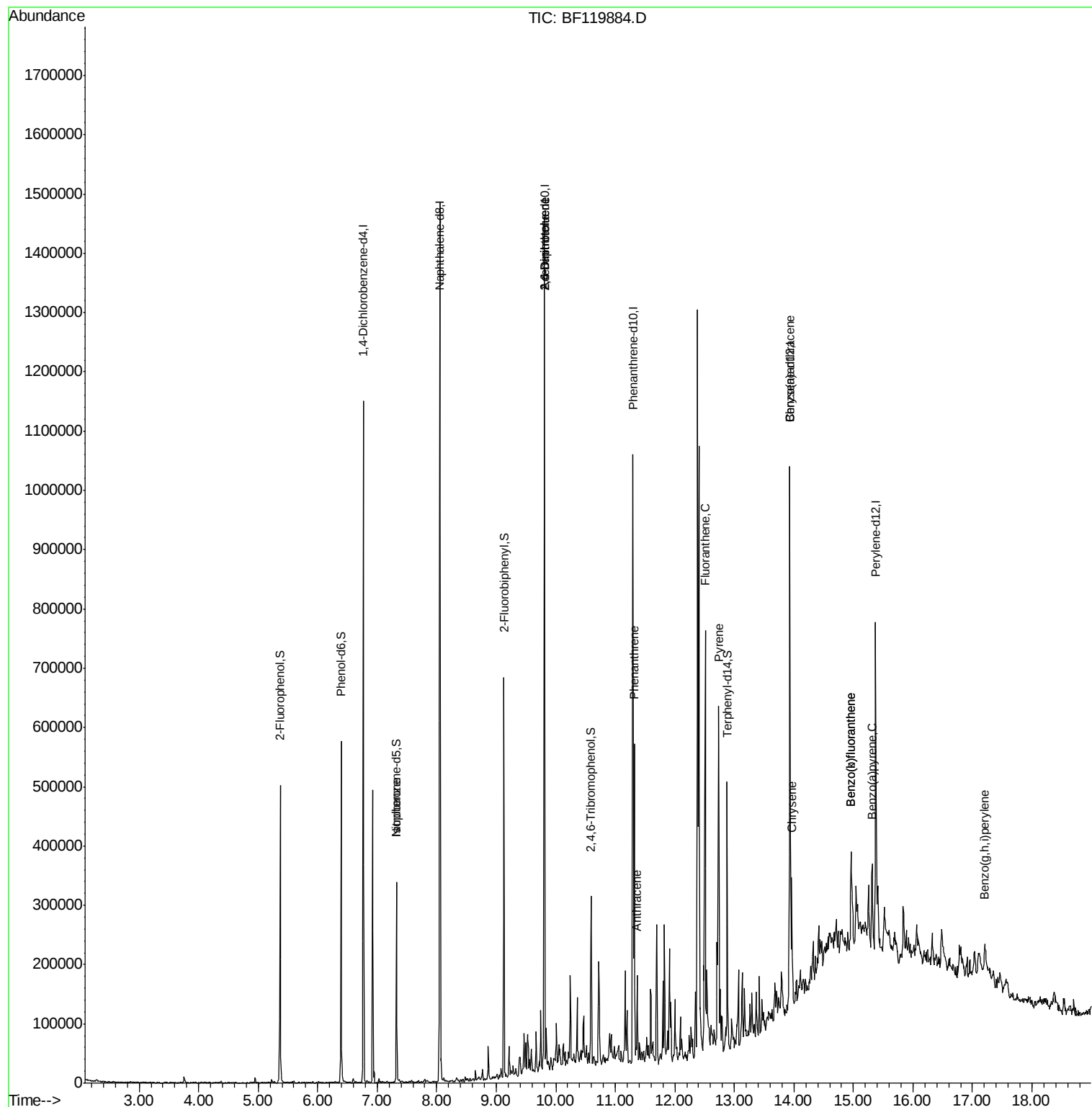
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	114	Below Cal		# 1
25) Isophorone	7.33	82	91402	4.218	ng	# 65
51) 2,6-Dinitrotoluene	9.81	165	34412	7.850	ng	# 19
57) 2,4-Dinitrotoluene	9.81	165	34412	5.958	ng	# 22
71) Phenanthrene	11.32	178	209957	9.861	ng	97
72) Anthracene	11.37	178	50255	2.311	ng	98
75) Fluoranthene	12.51	202	261022	11.362	ng	96
78) Pyrene	12.74	202	240898	10.449	ng	99
81) Benzo(a)anthracene	13.93	228	109818	6.104	ng	96
83) Chrysene	13.96	228	84312	4.612	ng	96
88) Benzo(b)fluoranthene	14.96	252	122682	6.768	ng	# 94
89) Benzo(k)fluoranthene	14.96	252	122682	7.844	ng	# 94
90) Benzo(a)pyrene	15.32	252	66235	4.346	ng	# 96
92) Benzo(a,h,i)perylene	17.21	276	32206	2.417	ng	92

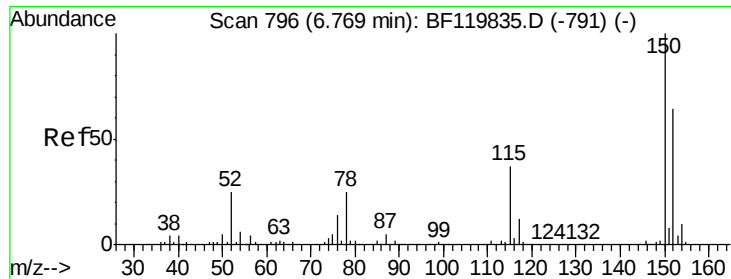
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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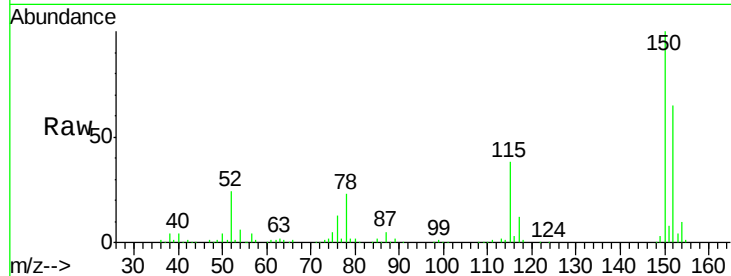


#1

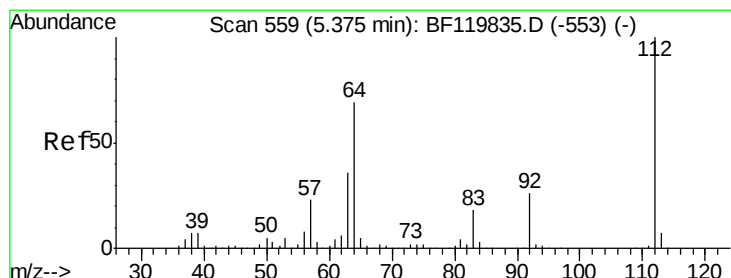
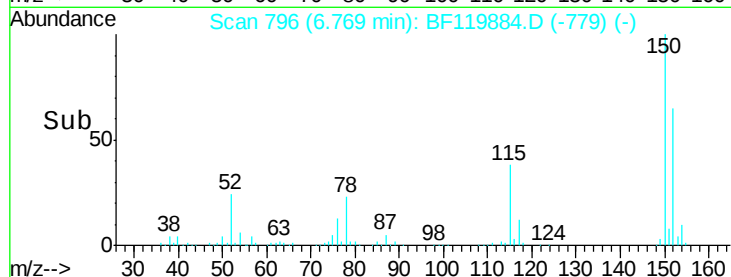
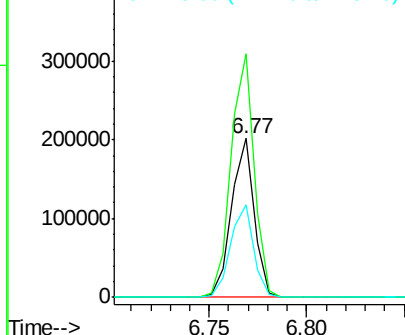
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162546
Ion Ratio Lower Upper
152 100
150 153.4 124.8 187.2
115 58.5 46.5 69.7



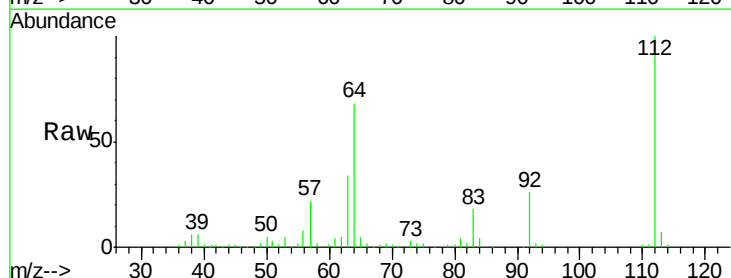
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



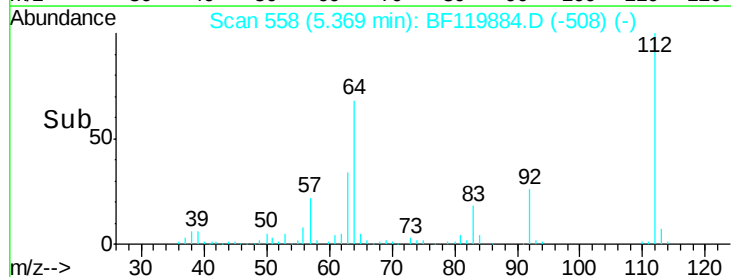
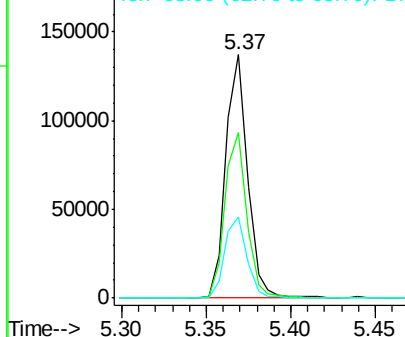
#5

2-Fluorophenol
Concen: 13.173 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion:112 Resp: 123904
Ion Ratio Lower Upper
112 100
64 67.8 55.5 83.3
63 33.5 29.1 43.7



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: 13.035 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

Instrument :

BNA_F

ClientSampled :

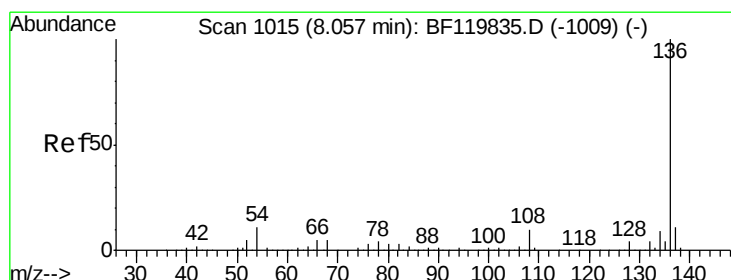
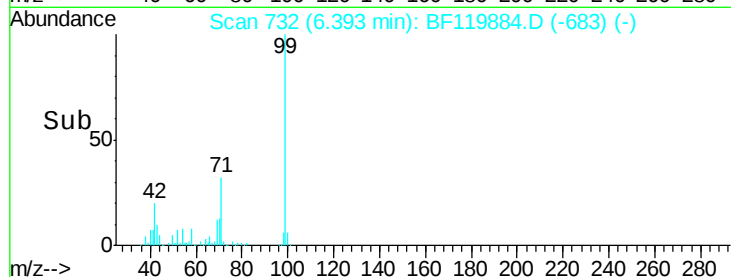
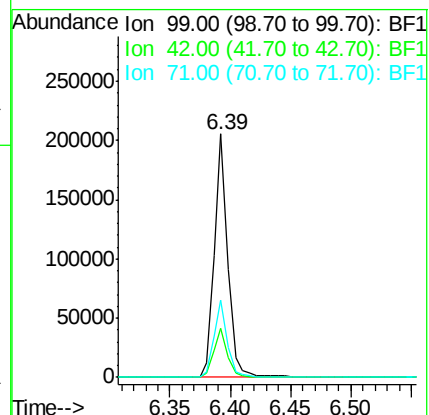
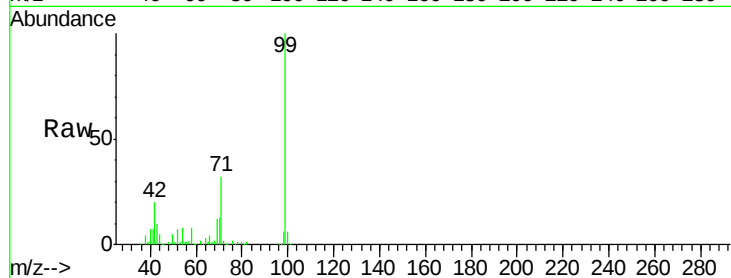
Tot Ion: 99 Resp: 157979

Ion Ratio Lower Upper

99 100

42 20.0 16.9 25.3

71 31.8 26.3 39.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

Tgt Ion: 136 Resp: 581503

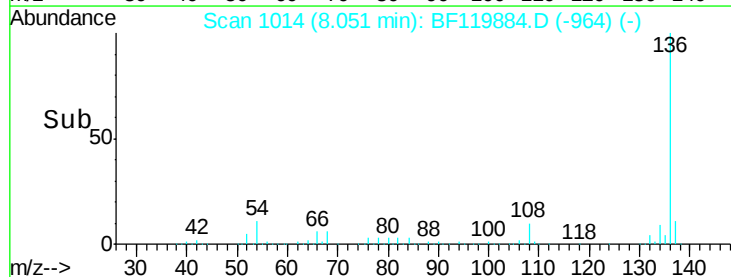
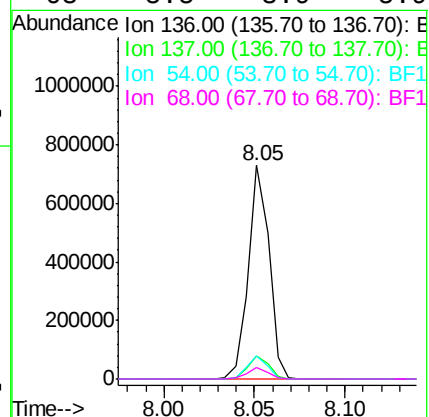
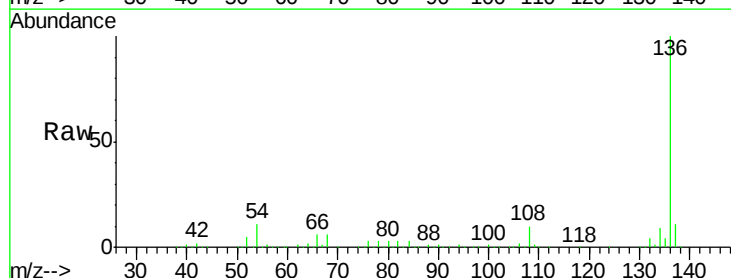
Ion Ratio Lower Upper

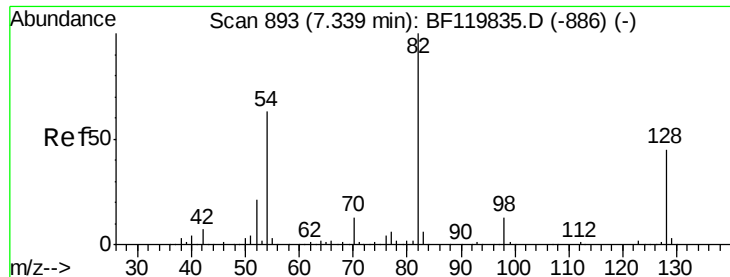
136 100

137 10.9 8.7 13.1

54 10.6 8.5 12.7

68 5.5 3.9 5.9

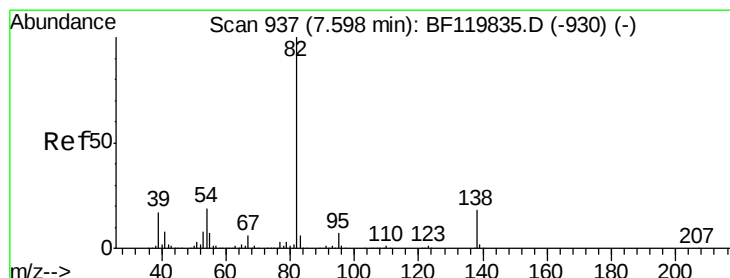
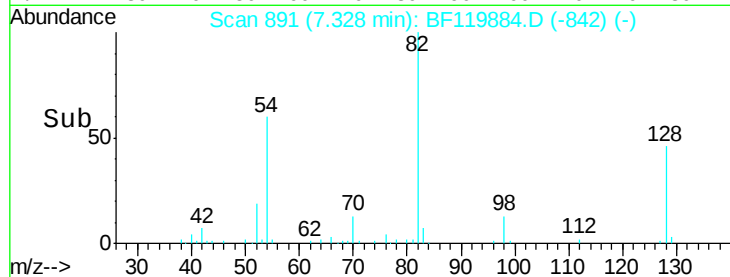
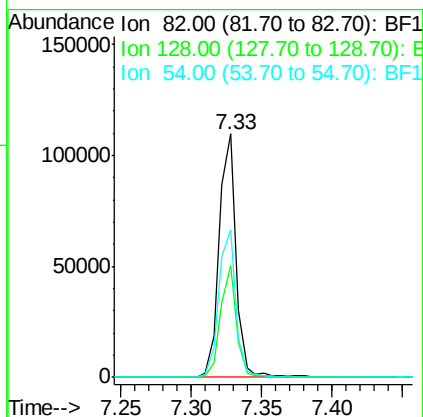
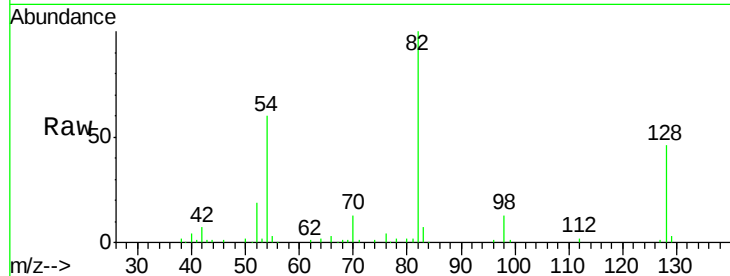




#23
Nitrobenzene-d5
Concen: 8.130 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

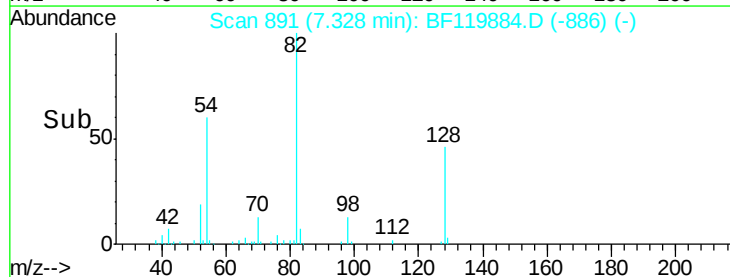
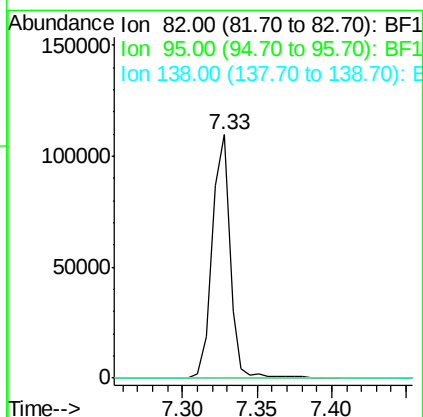
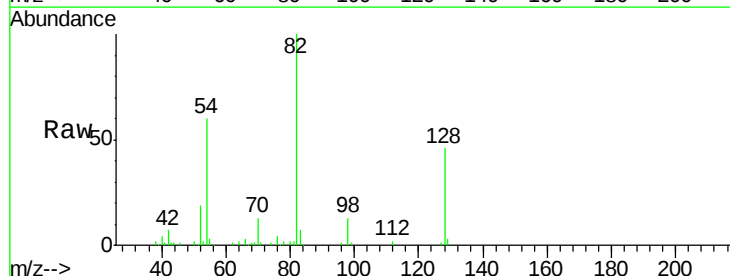
Instrument :
BNA_F
ClientSampled :

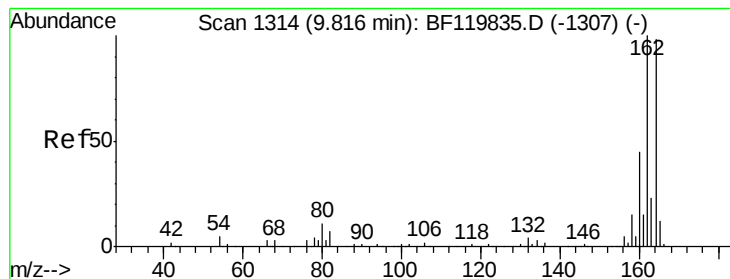
Tot Ion: 82 Resp: 91389
Ion Ratio Lower Upper
82 100
128 46.0 36.2 54.4
54 60.5 50.4 75.6



#25
Isophorone
Concen: 4.218 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.27 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion: 82 Resp: 91402
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

Instrument :

BNA_F

ClientSampleId :

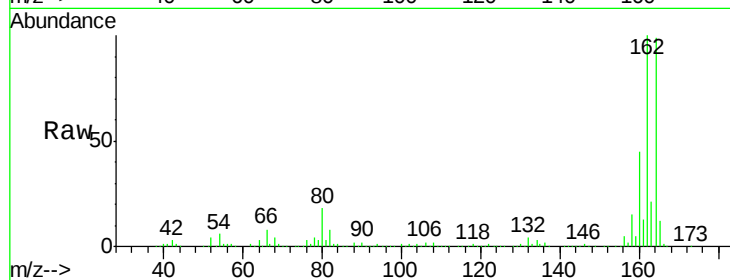
Tot Ion:164 Resp: 258819

Ion Ratio Lower Upper

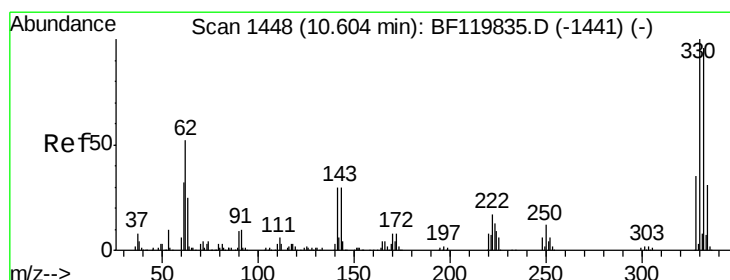
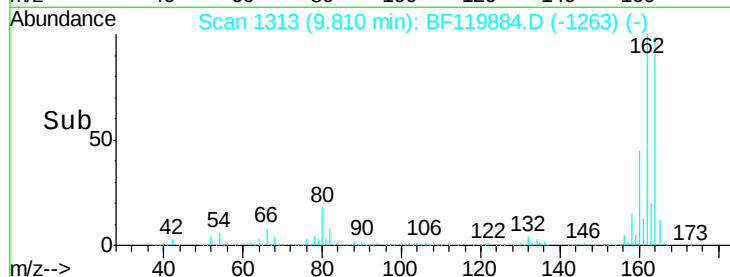
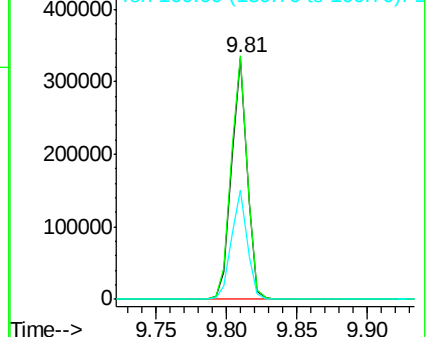
164 100

162 100.9 81.9 122.9

160 45.2 36.6 54.8



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: 9.411 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

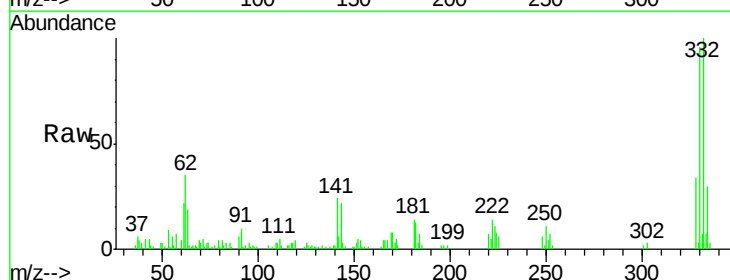
Tgt Ion:330 Resp: 29821

Ion Ratio Lower Upper

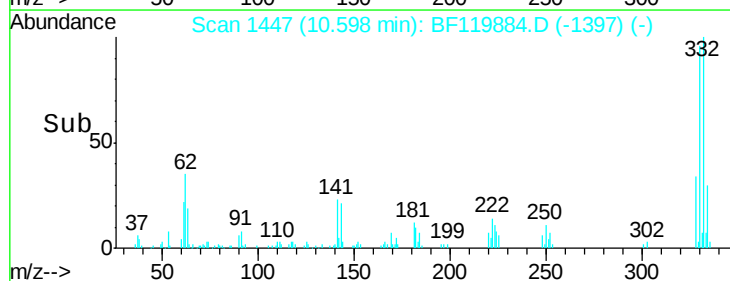
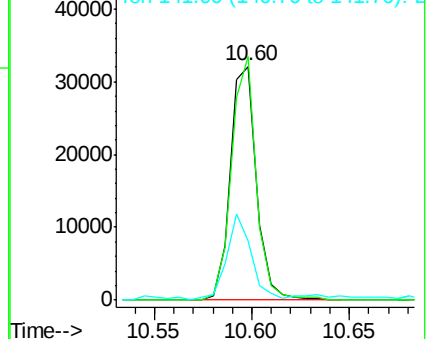
330 100

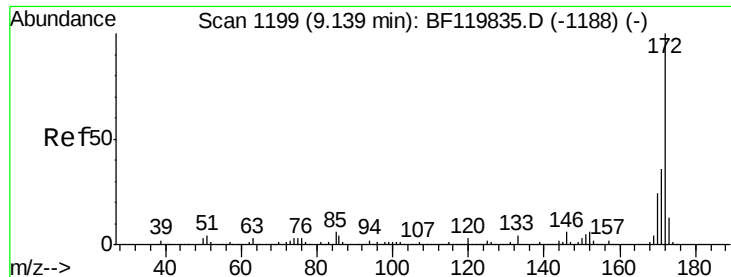
332 98.7 76.8 115.2

141 34.5 25.1 37.7



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

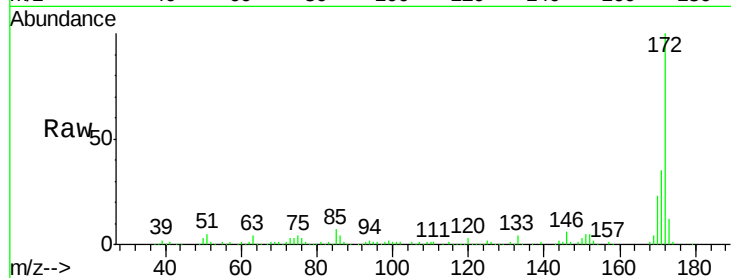




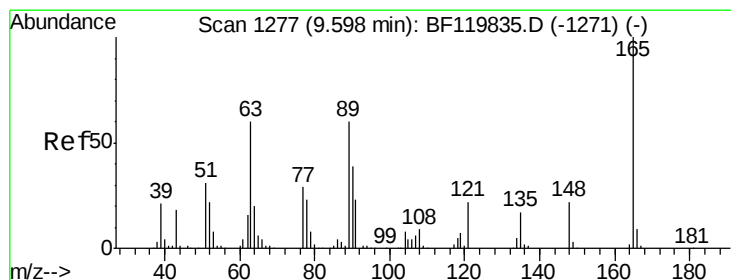
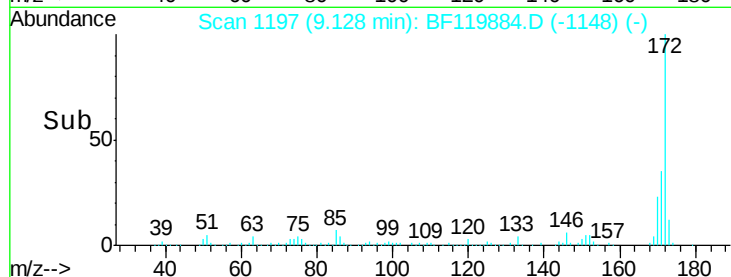
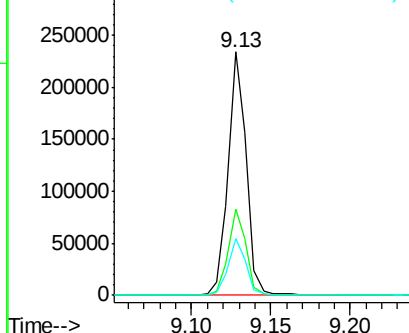
#45
2-Fluorobiphenyl
Concen: 10.154 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.9	43.3
170	23.2	19.4	29.2

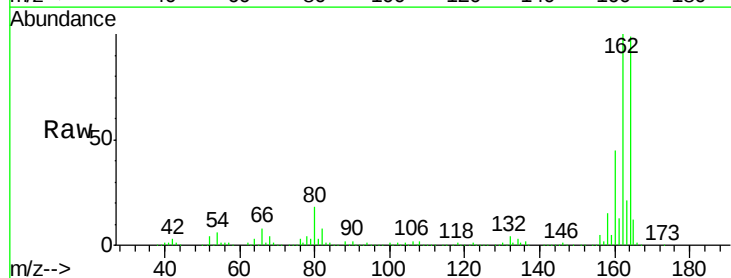


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

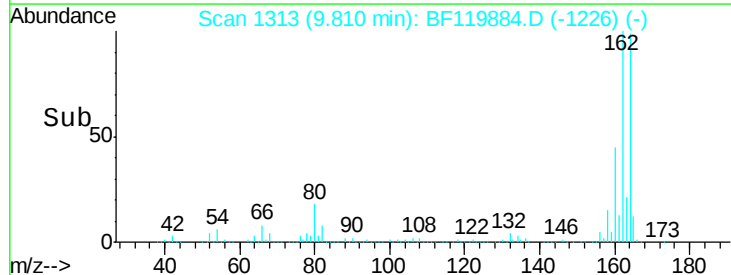
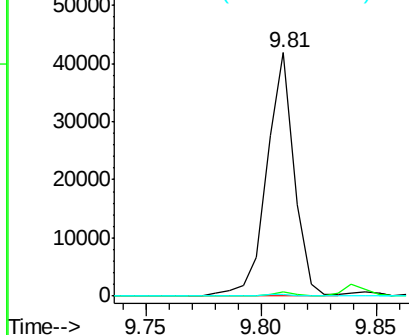


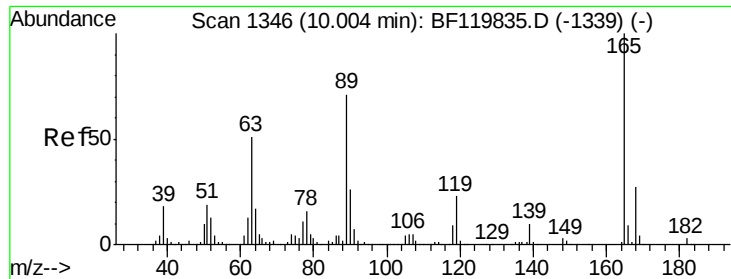
#51
2,6-Dinitrotoluene
Concen: 7.850 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.21 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	55.6	83.4#
89	1.0	47.9	71.9#



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

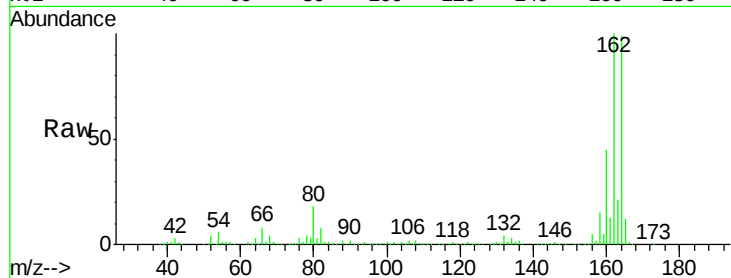




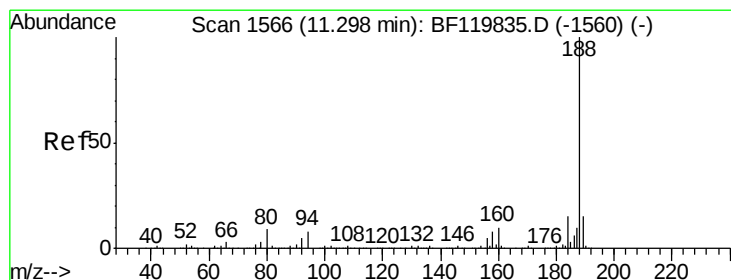
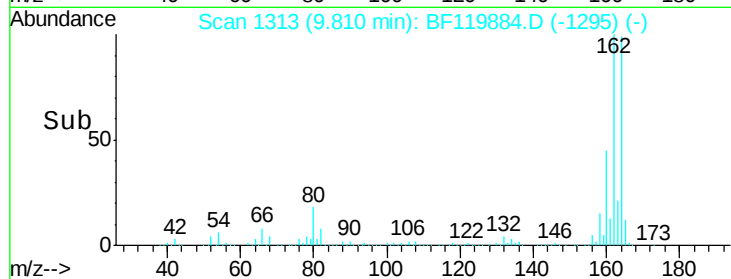
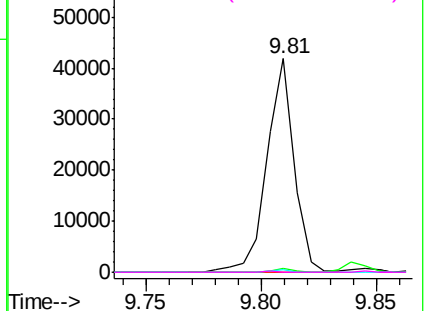
#57
 2,4-Dinitrotoluene
 Concen: 5.958 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF119884.D
 Acq: 9 Apr 2020 21:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 34412
 Ion Ratio Lower Upper
 165 100
 63 1.6 40.8 61.2#
 89 1.0 56.9 85.3#
 182 0.0 2.0 3.0#

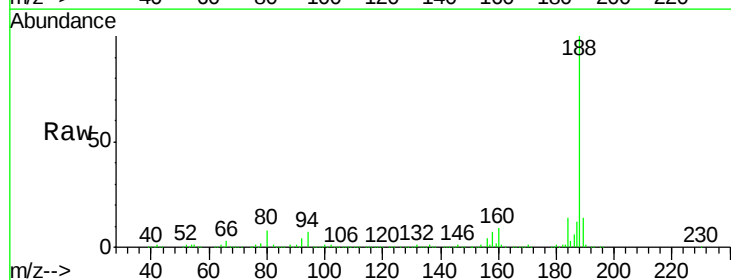


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

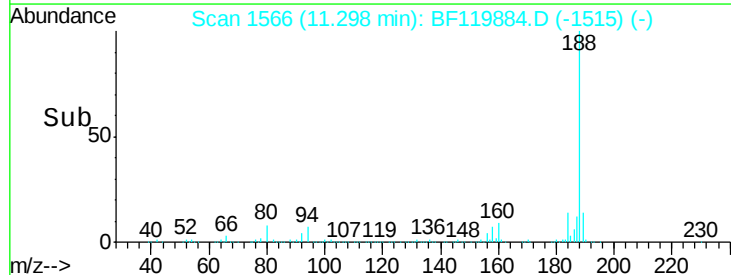
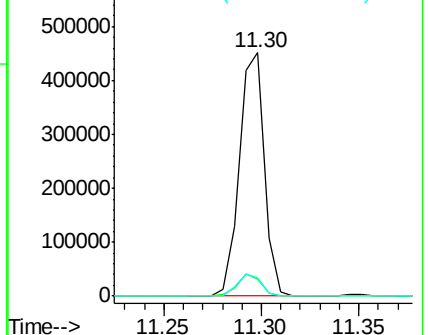


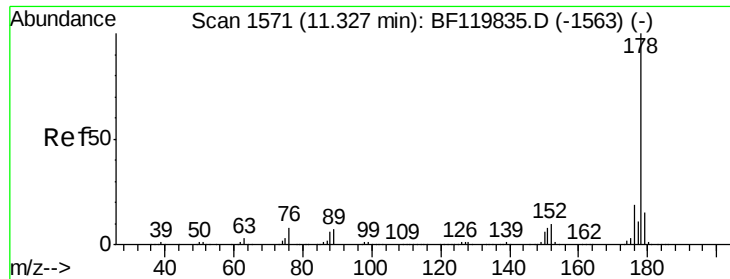
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: BF119884.D
 Acq: 9 Apr 2020 21:54

Tgt Ion:188 Resp: 400052
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.7 10.1
 80 7.6 7.4 11.2



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

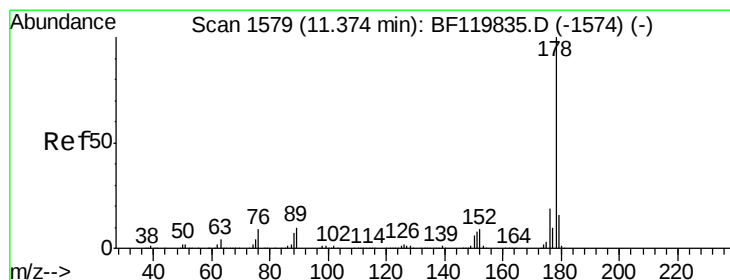
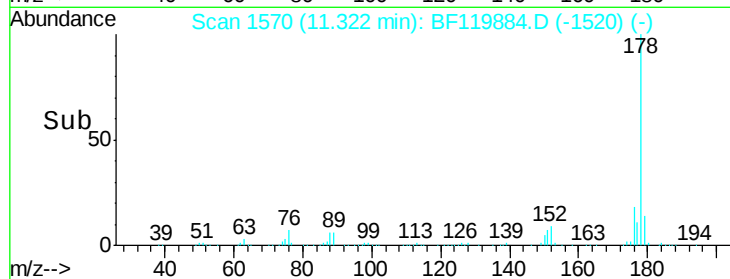
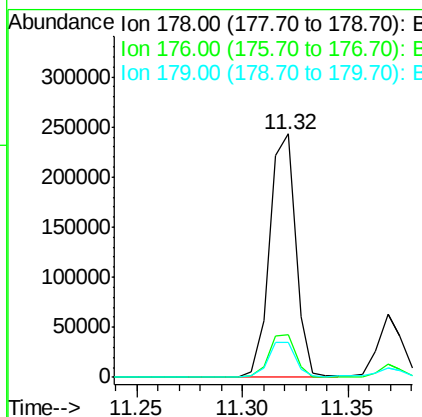
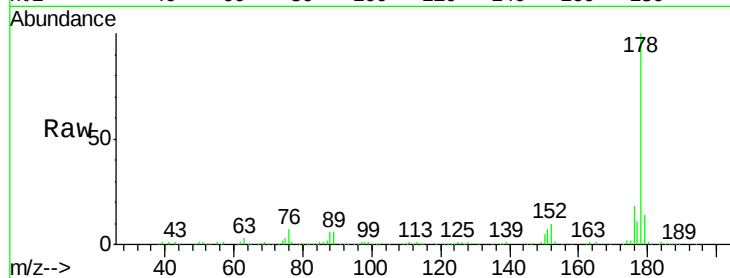




#71
Phenanthrene
Concen: 9.861 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

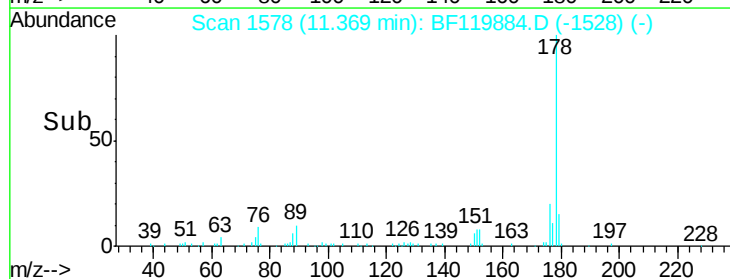
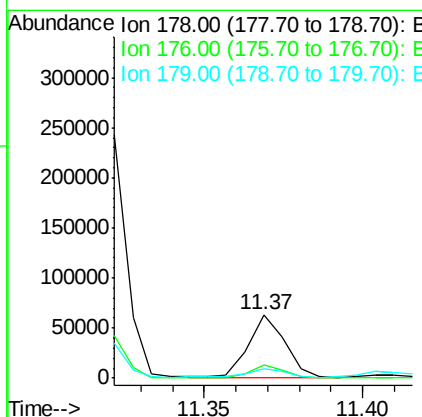
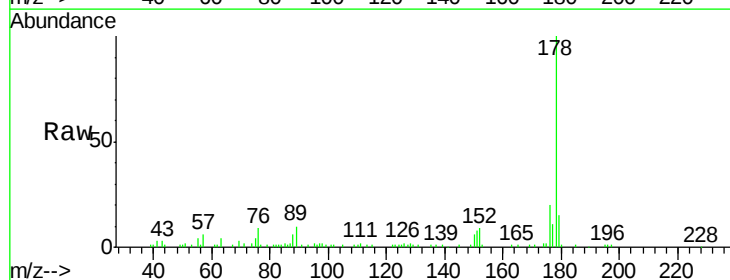
Instrument :
BNA_F
ClientSampleId :

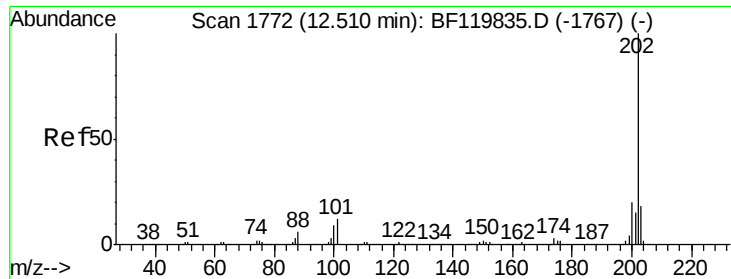
Tot Ion:178 Resp: 209957
Ion Ratio Lower Upper
178 100
176 17.6 15.1 22.7
179 14.3 12.2 18.4



#72
Anthracene
Concen: 2.311 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion:178 Resp: 50255
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 15.3 12.8 19.2





#75

Fluoranthene

Concen: 11.362 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

Instrument :

BNA_F

ClientSampleId :

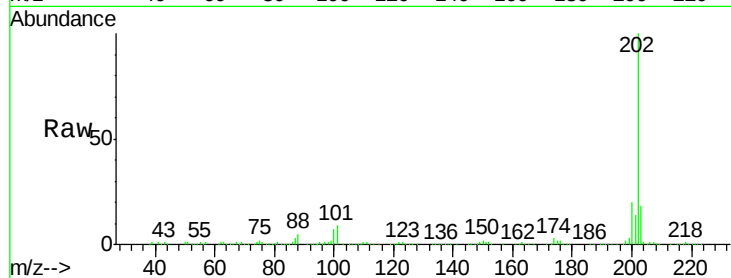
Tot Ion:202 Resp: 261022

Ion Ratio Lower Upper

202 100

101 9.0 0.0 32.3

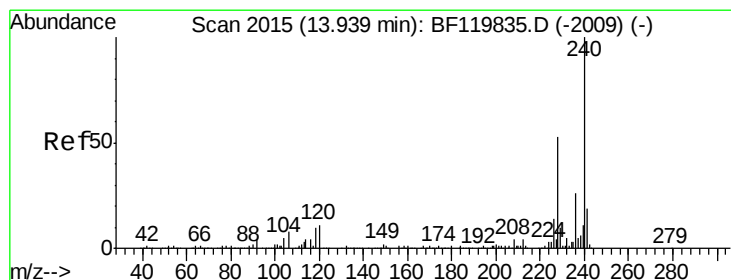
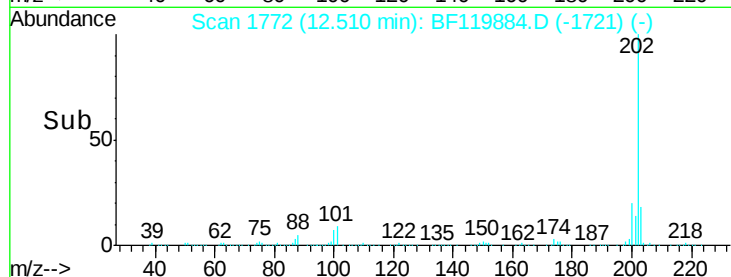
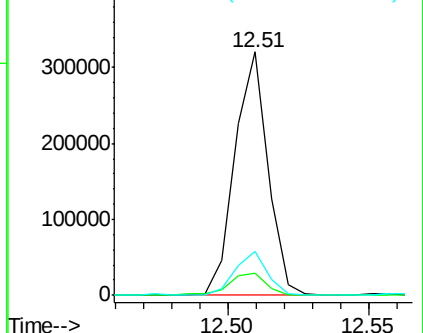
203 17.9 0.0 37.6



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: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

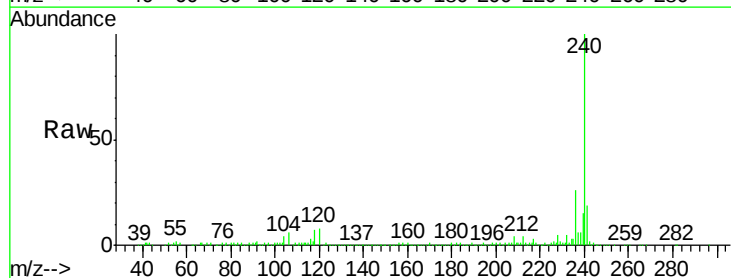
Tgt Ion:240 Resp: 273474

Ion Ratio Lower Upper

240 100

120 8.5 9.0 13.6#

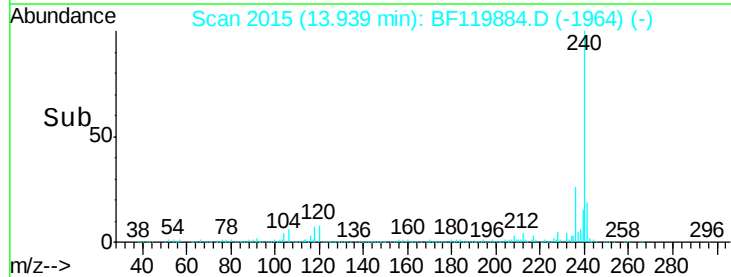
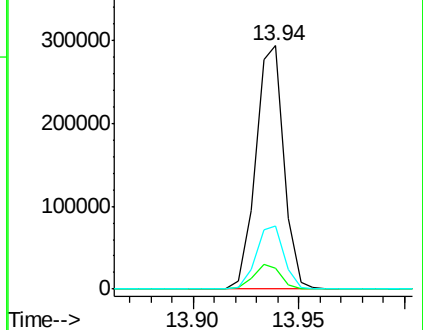
236 26.2 20.7 31.1

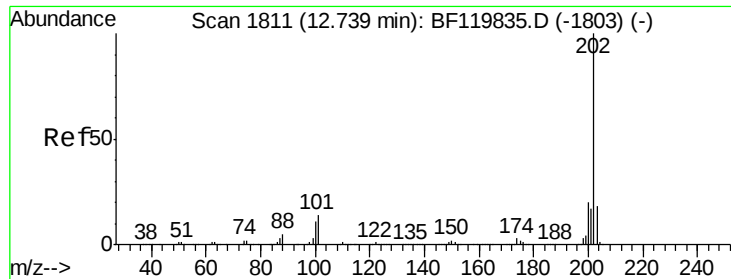


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

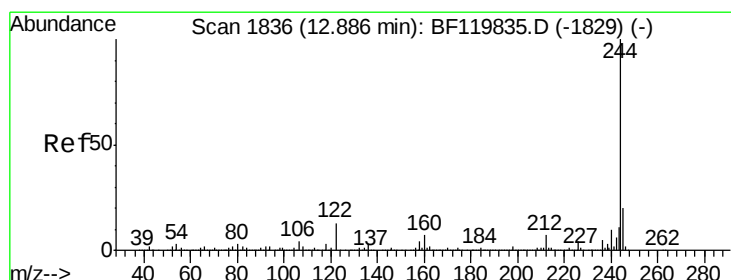
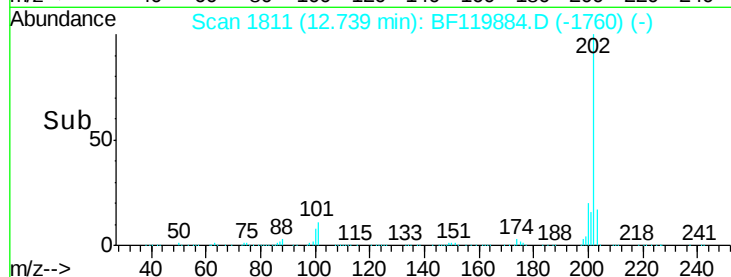
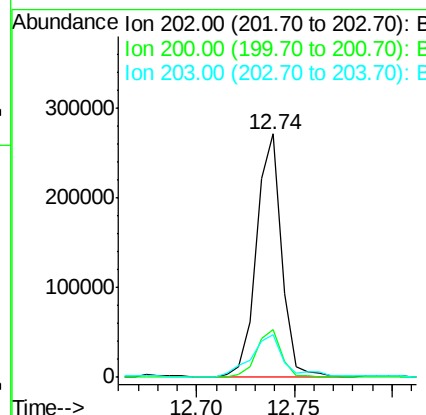
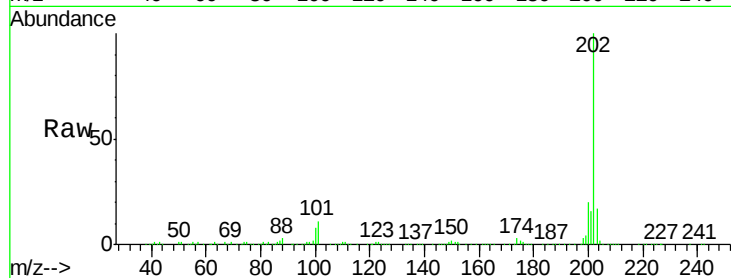




#78
Pvrene
Concen: 10.449 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

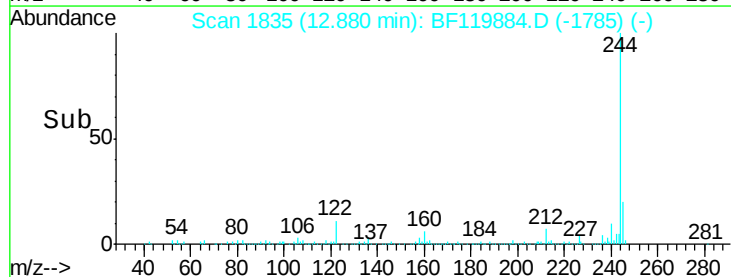
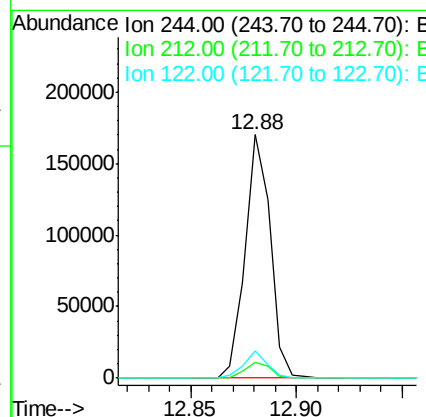
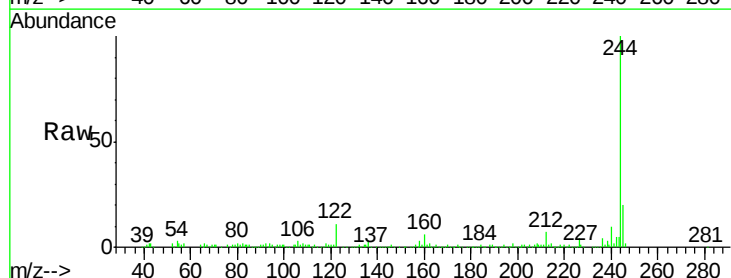
Instrument :
BNA_F
ClientSampleId :

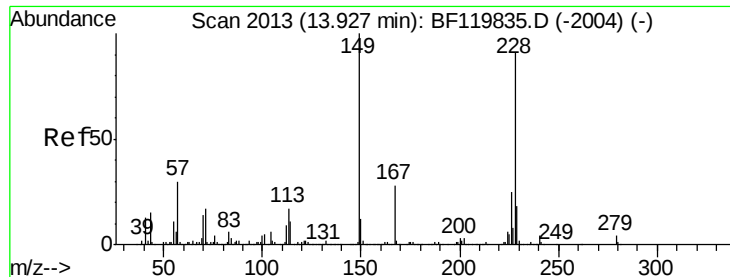
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	17.4	14.1	21.1



#79
Terphenyl-d14
Concen: 8.574 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	10.3	15.5

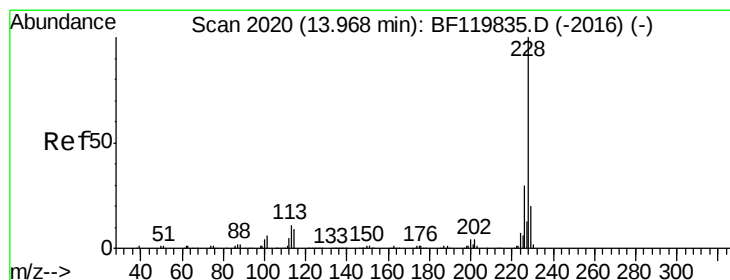
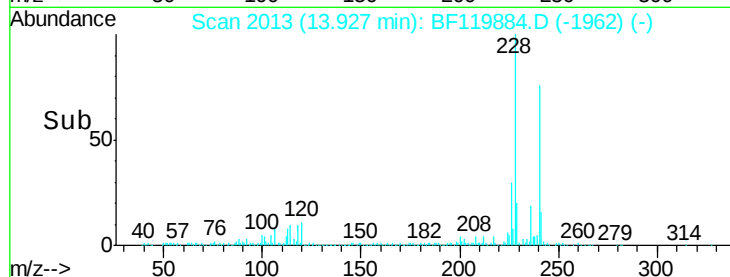
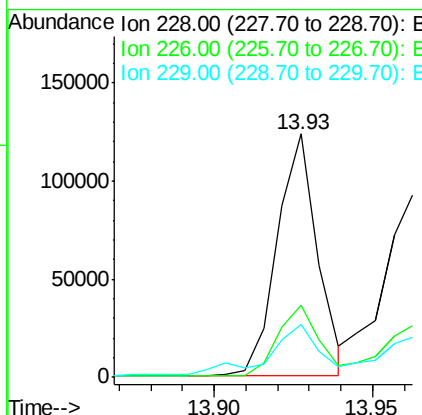
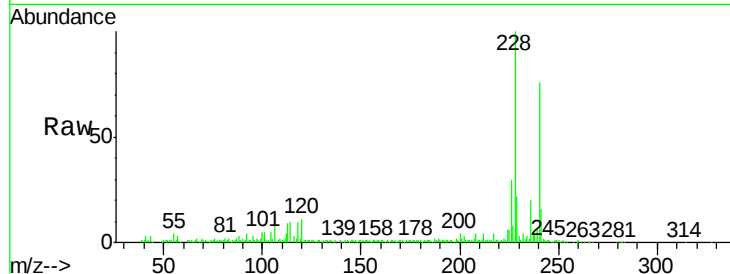




#81
Benzo(a)anthracene
Concen: 6.104 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

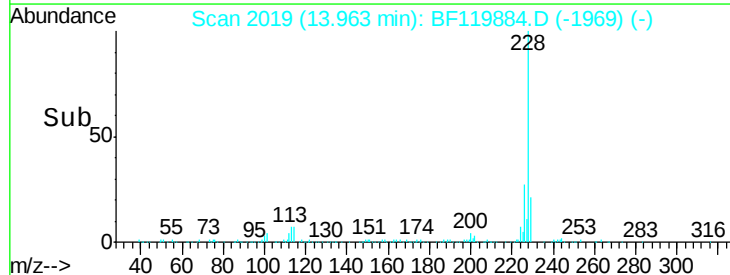
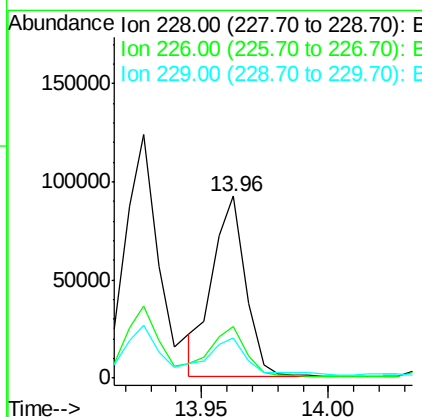
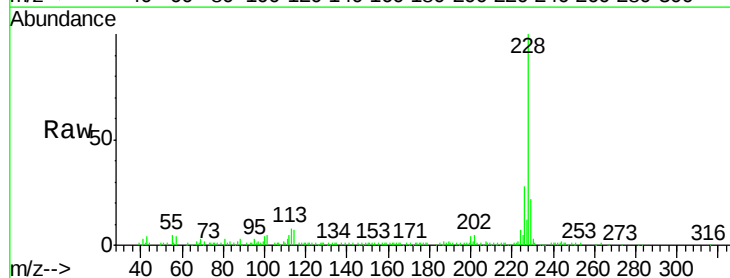
Instrument :
BNA_F
ClientSampleId :

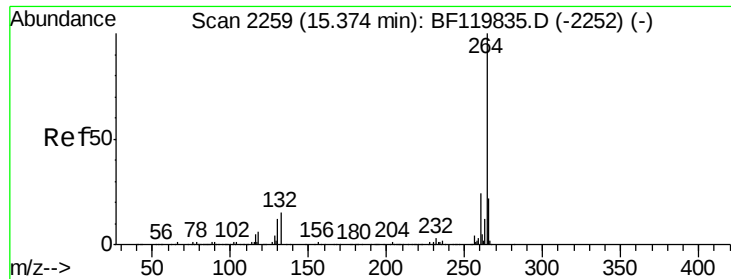
Tot Ion:228 Resp: 109818
Ion Ratio Lower Upper
228 100
226 29.7 21.9 32.9
229 21.6 15.9 23.9



#83
Chrysene
Concen: 4.612 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion:228 Resp: 84312
Ion Ratio Lower Upper
228 100
226 28.2 24.2 36.2
229 22.1 15.9 23.9



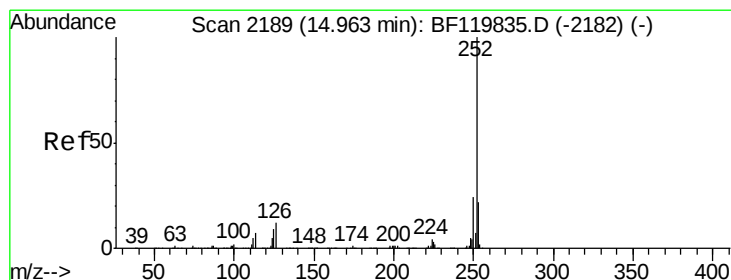
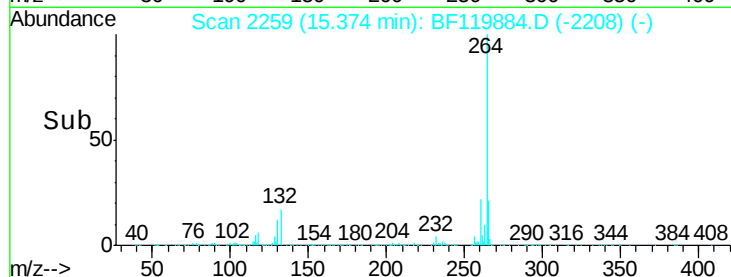
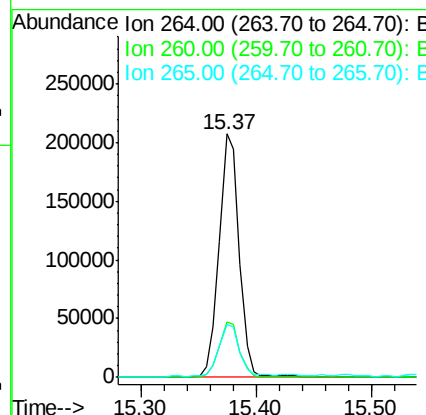
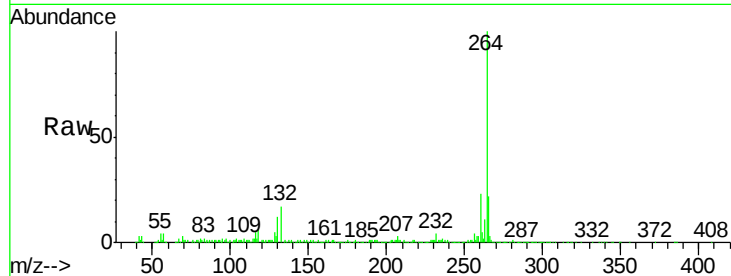


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 251978

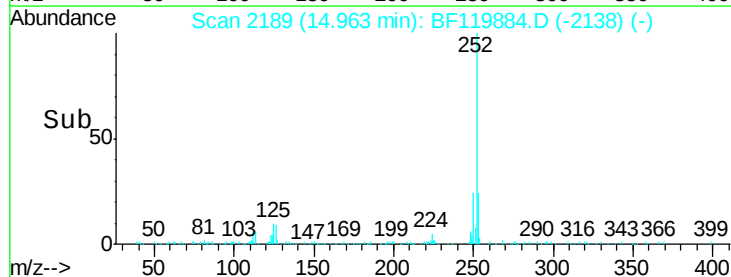
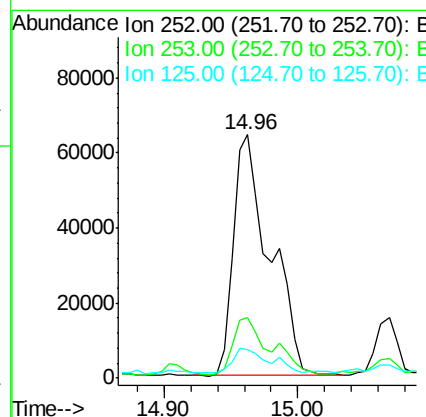
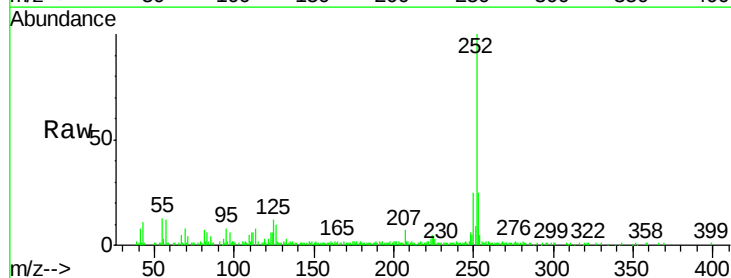
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.3	28.9
265	21.7	17.6	26.4

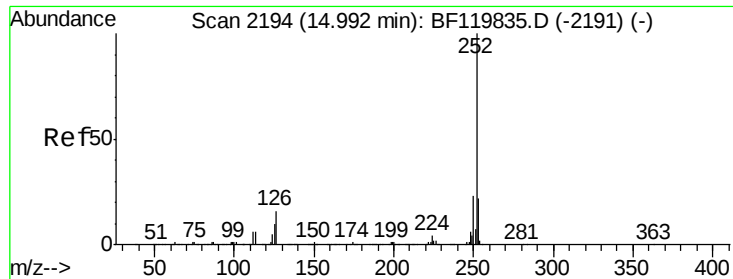


#88
Benzo(b)fluoranthene
Concen: 6.768 ng
RT: 14.96 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion:252 Resp: 122682

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.7	26.5
125	11.5	7.4	11.2

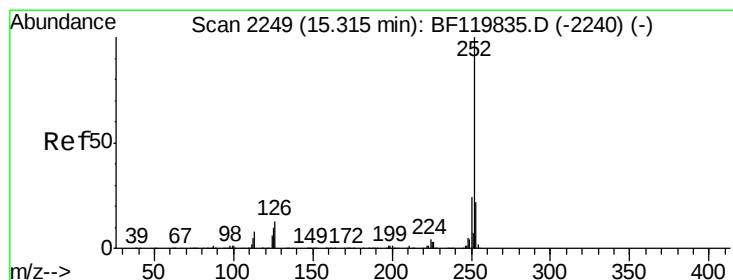
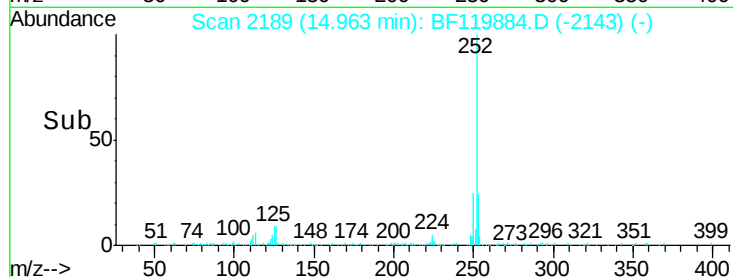
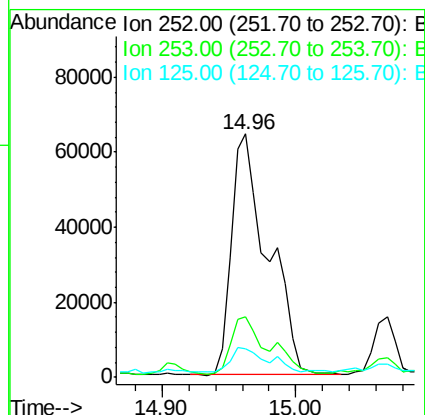
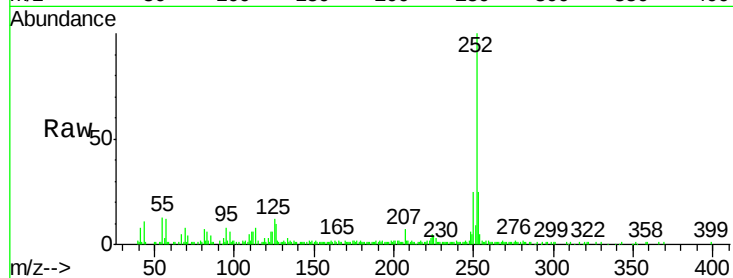




#89
Benzo(k)fluoranthene
Concen: 7.844 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.03 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

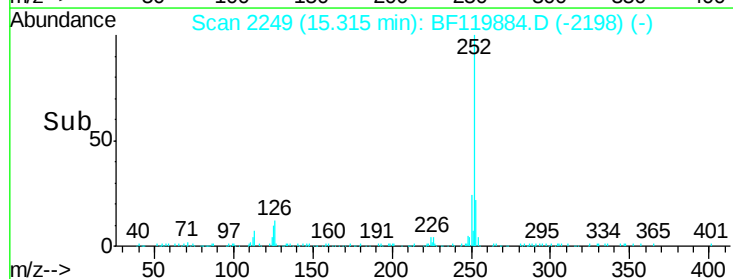
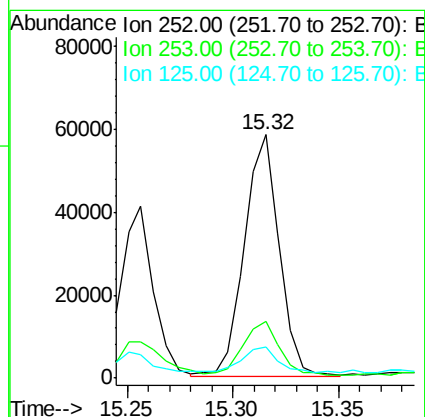
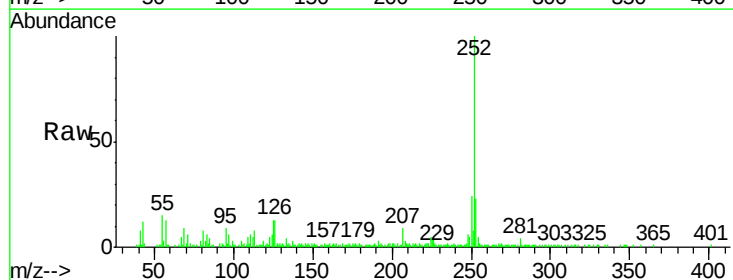
Instrument :
BNA_F
ClientSampleId :

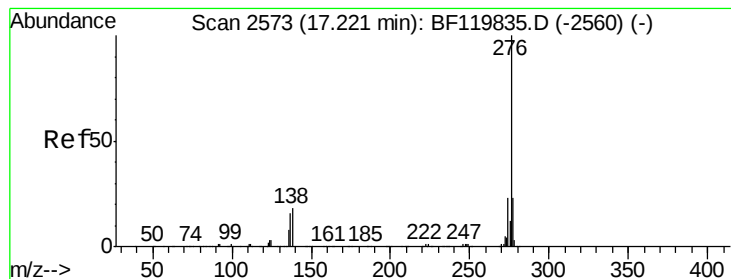
Tot Ion:252 Resp: 122682
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 11.5 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 4.346 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.00 min
Lab File: BF119884.D
Acq: 9 Apr 2020 21:54

Tgt Ion:252 Resp: 66235
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 12.8 8.3 12.5#





#92

Benzo(a,h,i)perylene

Concen: 2.417 ng

RT: 17.21 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF119884.D

Acq: 9 Apr 2020 21:54

Instrument :

BNA_F

ClientSampleId :

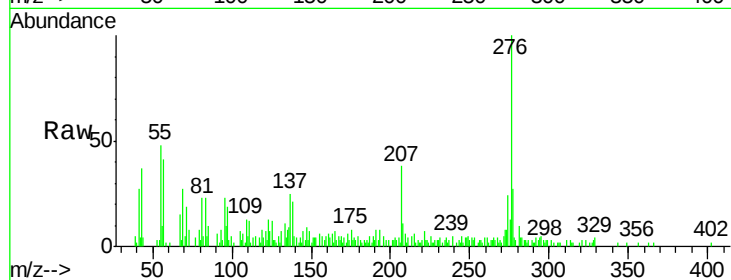
Tot Ion:276 Resp: 32206

Ion Ratio Lower Upper

276 100

277 27.3 18.5 27.7

138 21.3 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

