

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119288.D
 Acq On : 9 Mar 2020 15:35
 Operator : CG/JU
 Sample : L1813-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 09 18:09:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	132094	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	524106	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	288765	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	520332	20.00	ng	0.00
76) Chrysene-d12	13.88	240	305221	20.00	ng	0.00
87) Perylene-d12	15.31	264	338714	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	758141	95.92	ng	0.00
7) Phenol-d6	6.38	99	951140	98.94	ng	0.00
23) Nitrobenzene-d5	7.29	82	637019	64.18	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	339066	89.76	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1176458	60.02	ng	0.00
79) Terphenyl-d14	12.82	244	1158540	65.35	ng	0.00

Target Compounds

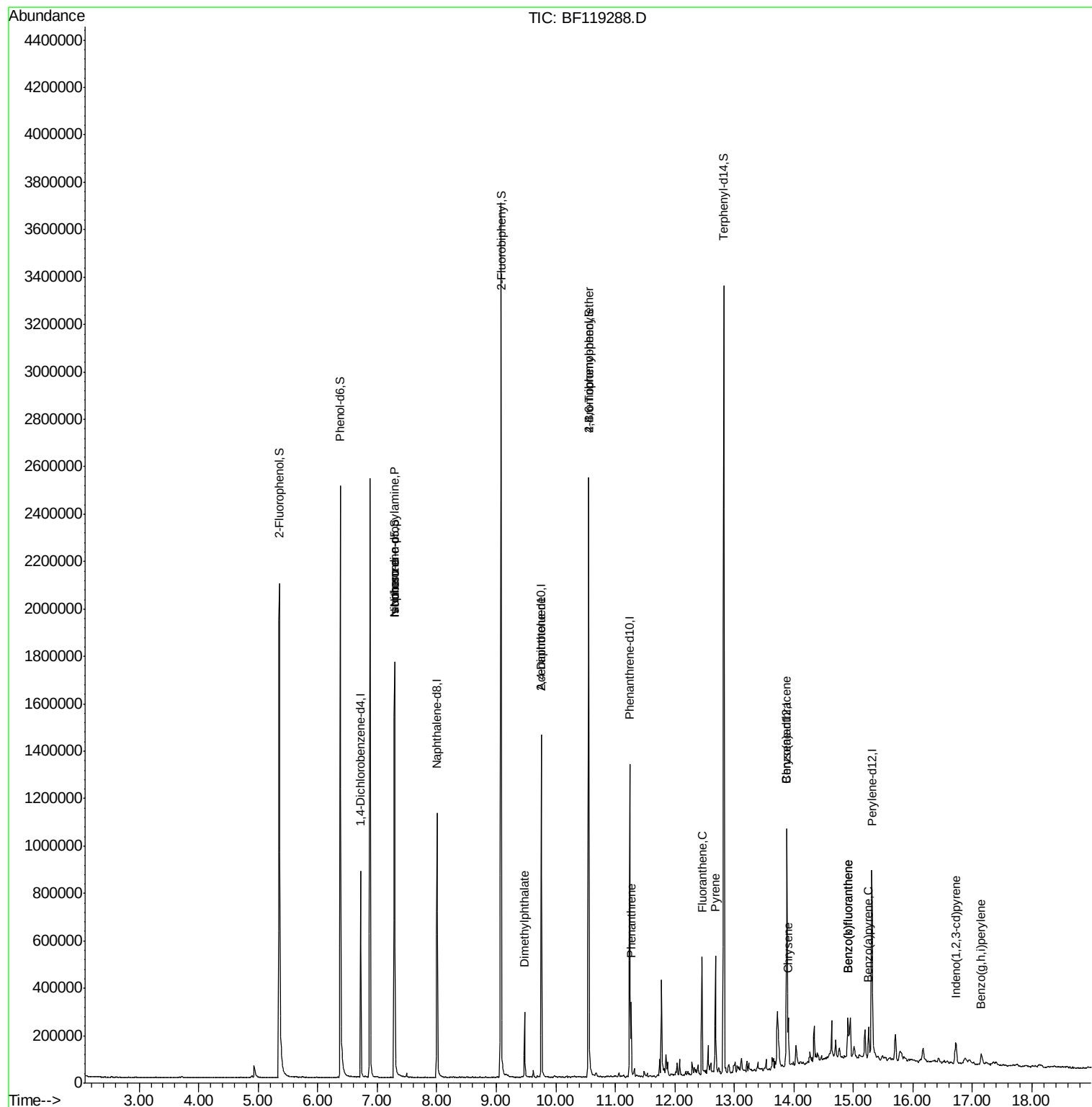
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	88918	15.874	ng	# 74
25) Isophorone	7.29	82	637013	36.952	ng	# 63
50) Dimethylphthalate	9.47	163	117968	5.342	ng	99
57) 2,4-Dinitrotoluene	9.76	165	36358	5.718	ng	# 21
67) 4-Bromophenyl-phenylether	10.55	248	21252	3.125	ng	# 1
71) Phenanthrene	11.26	178	121118	4.268	ng	97
75) Fluoranthene	12.46	202	202901	6.736	ng	98
78) Pyrene	12.68	202	209516	8.549	ng	98
81) Benzo(a)anthracene	13.87	228	68264	3.282	ng	98
83) Chrysene	13.91	228	84009	4.054	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	46030	2.294	ng	96
88) Benzo(b)fluoranthene	14.91	252	124305	5.568	ng	98
89) Benzo(k)fluoranthene	14.91	252	124305	6.008	ng	98
90) Benzo(a)pyrene	15.26	252	64595	3.206	ng	99
92) Benzo(a,h,i)perylene	17.15	276	43076	2.459	ng	99

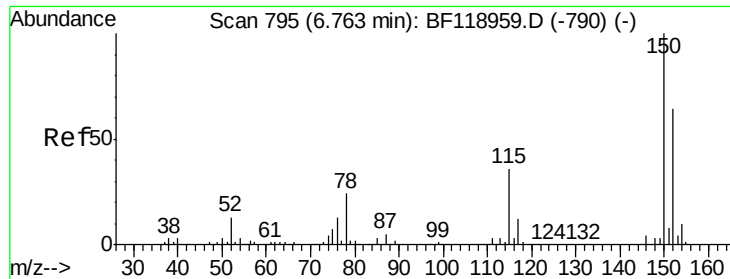
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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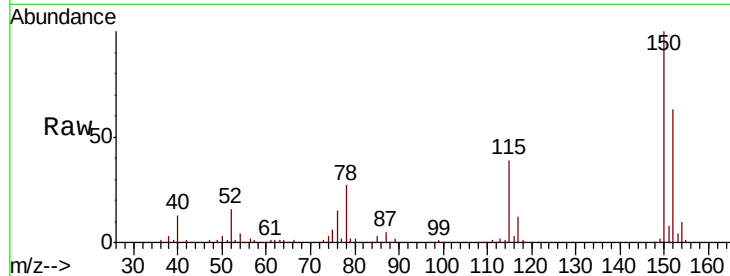


#1

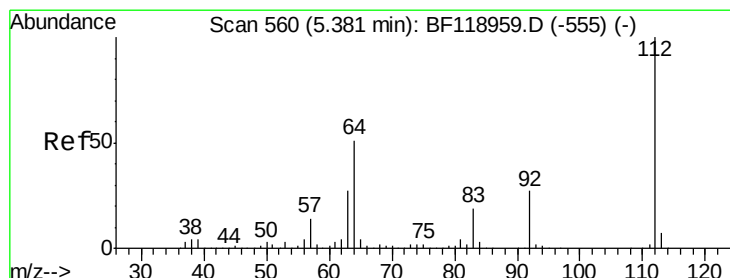
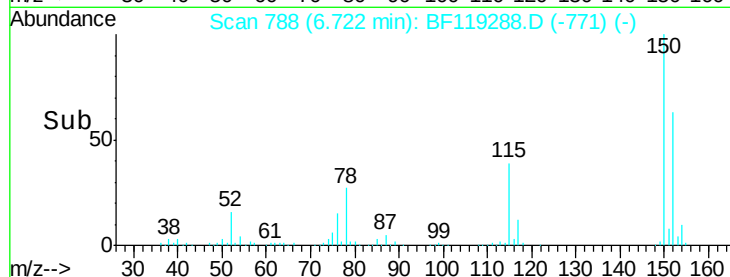
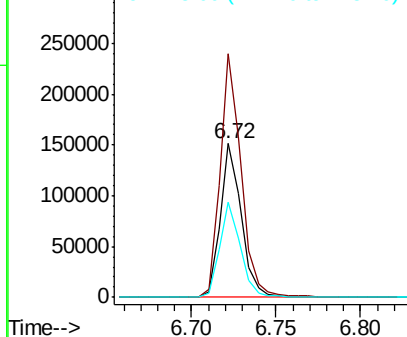
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.0	184.6
115	62.1	49.5	74.3



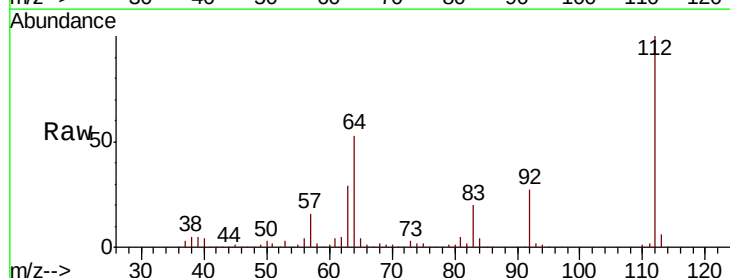
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



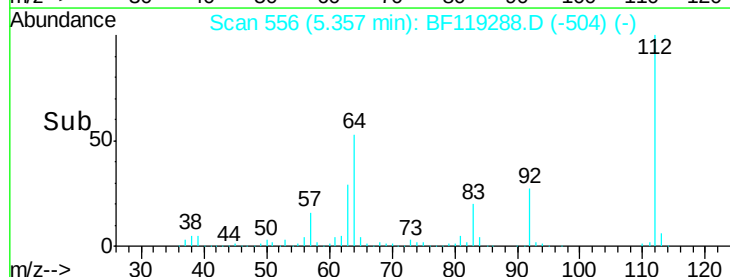
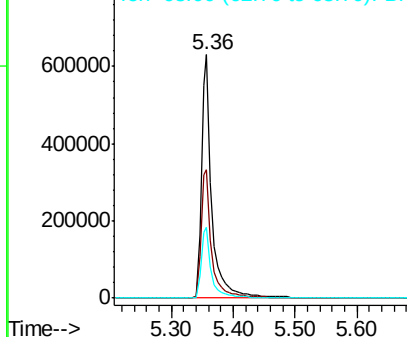
#5

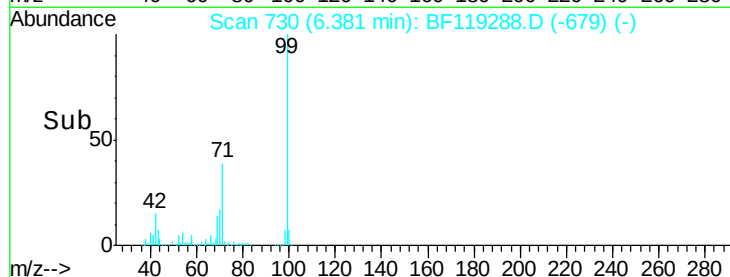
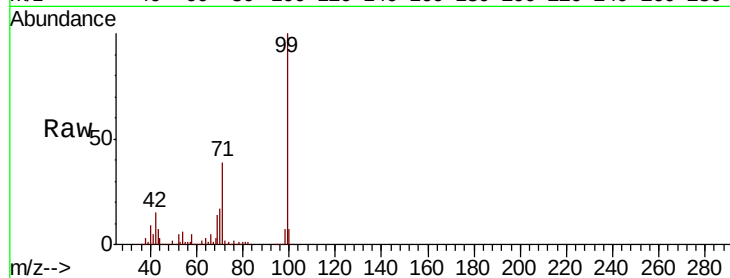
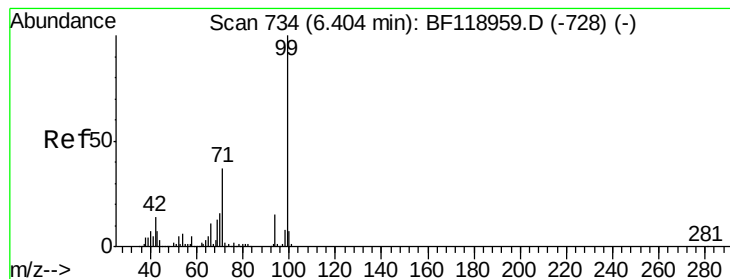
2-Fluorophenol
Concen: 95.916 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	45.0	67.4
63	28.9	24.2	36.4



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: 98.943 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119288.D

Acq: 9 Mar 2020 15:35

Instrument :

BNA_F

ClientSampleId :

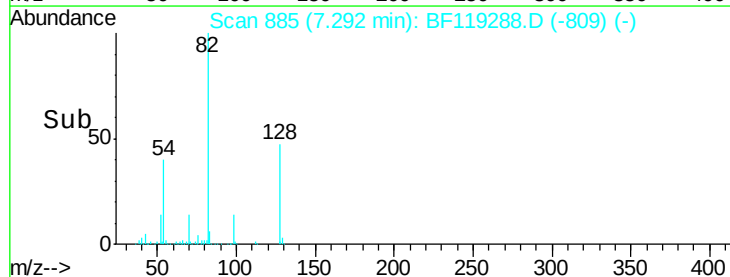
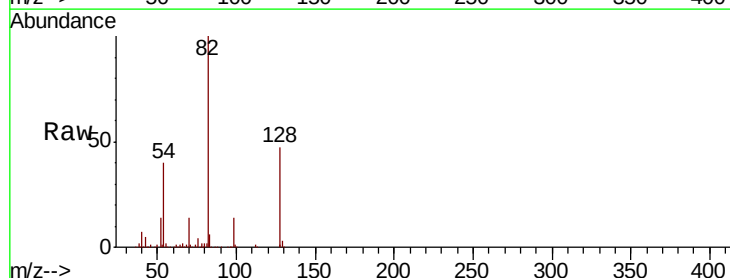
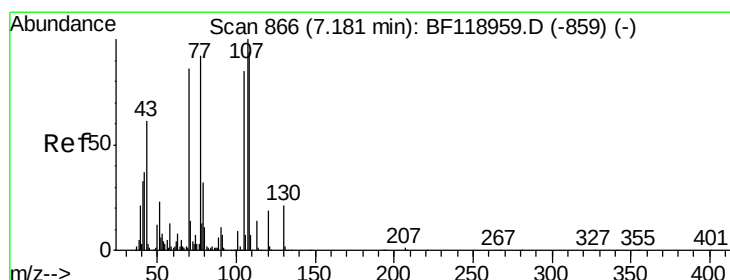
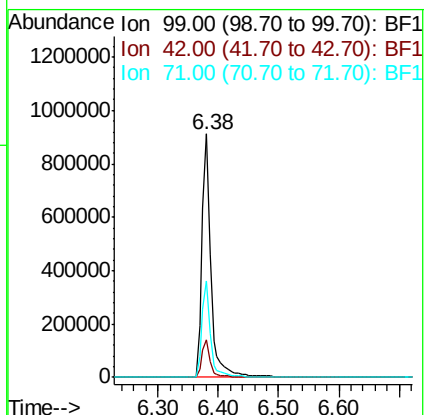
Tot Ion: 99 Resp: 951140

Ion Ratio Lower Upper

99 100

42 15.3 12.6 18.8

71 39.4 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.874 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF119288.D

Acq: 9 Mar 2020 15:35

Tgt Ion: 70 Resp: 88918

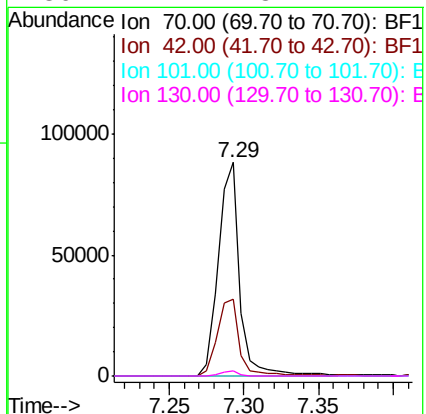
Ion Ratio Lower Upper

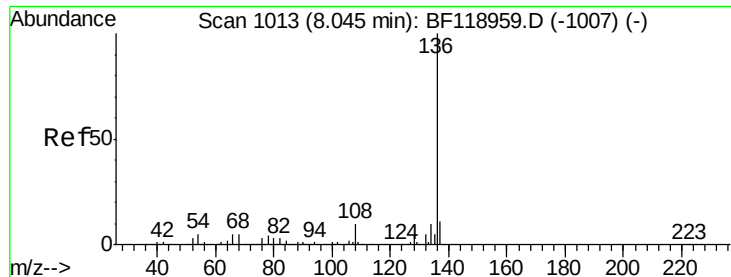
70 100

42 36.0 38.0 57.0#

101 0.0 8.2 12.4#

130 2.1 18.2 27.4#

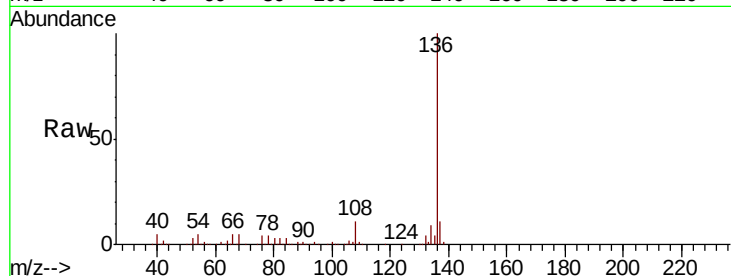




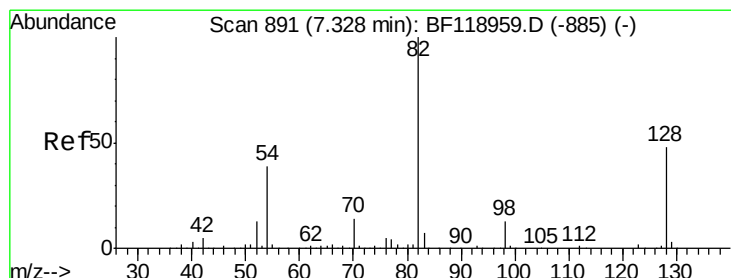
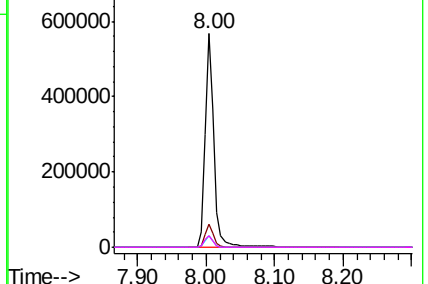
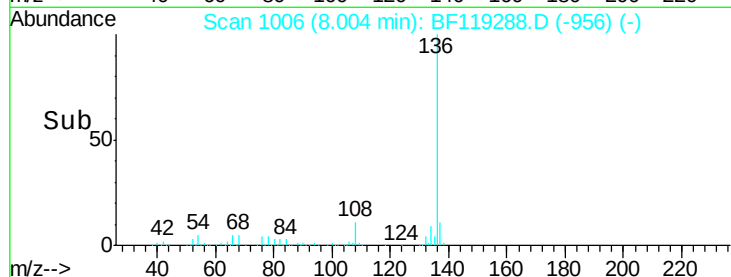
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	524106
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	5.1	3.8 5.6
68	5.2	3.9 5.9

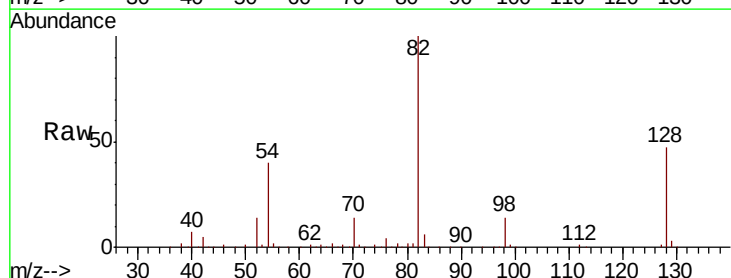


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

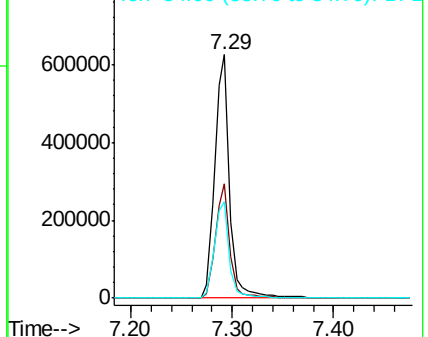
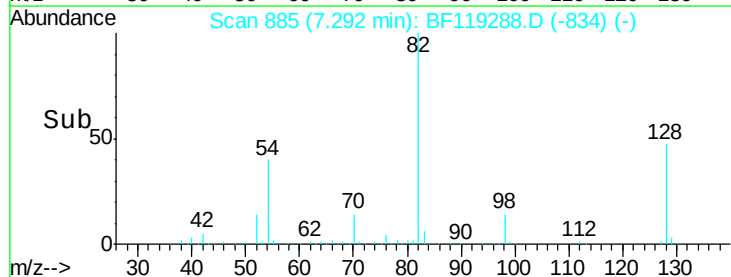


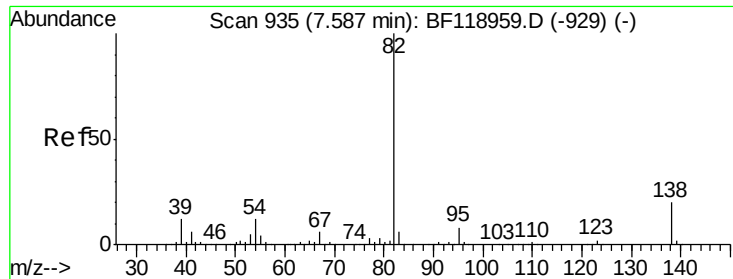
#23
Nitrobenzene-d5
Concen: 64.175 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion: 82	Resp:	637019
Ion	Ratio	Lower Upper
82	100	
128	47.0	37.9 56.9
54	39.6	33.4 50.2



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

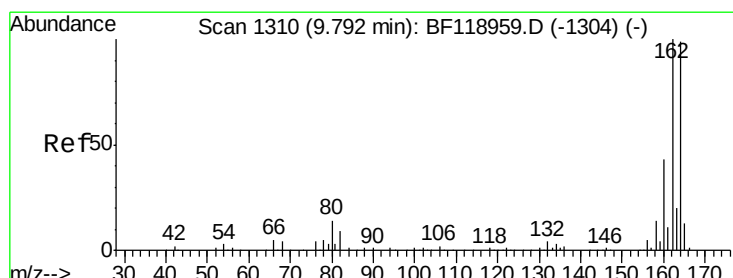
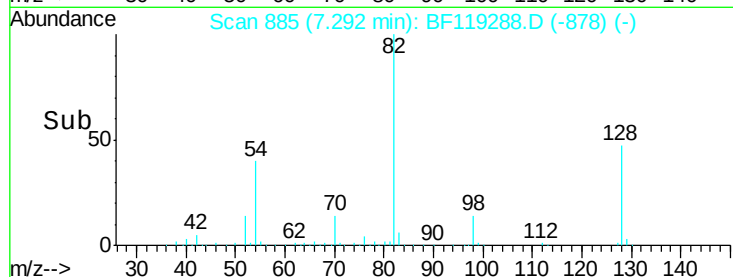
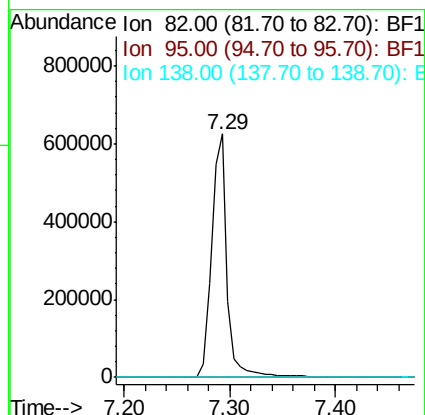
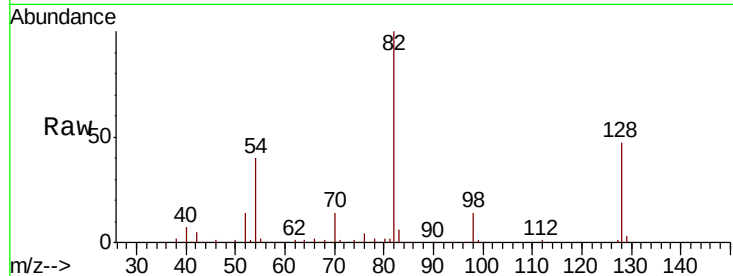




#25
Isophorone
Concen: 36.952 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

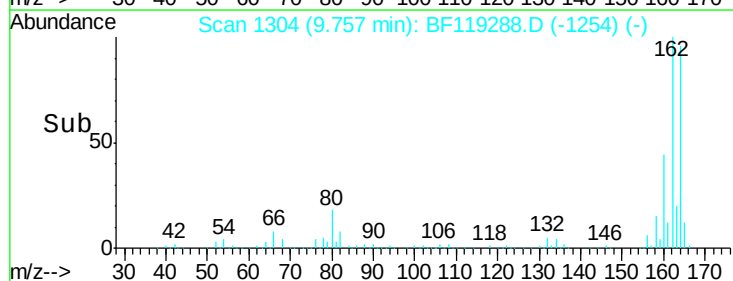
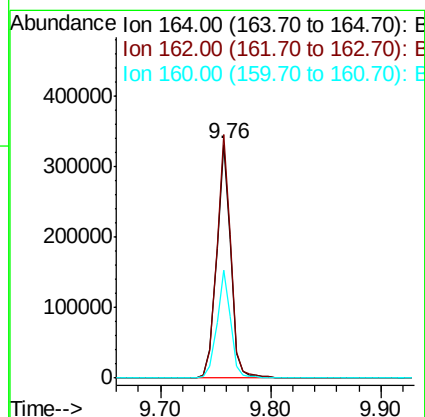
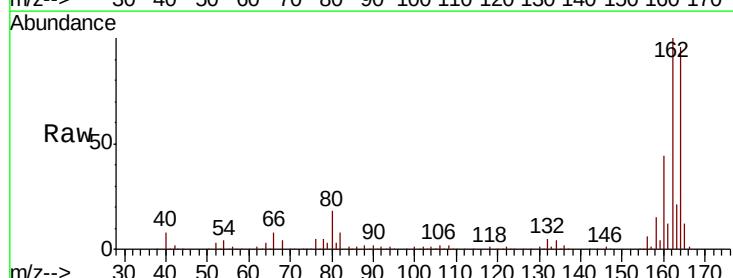
Instrument :
BNA_F
ClientSampleId :

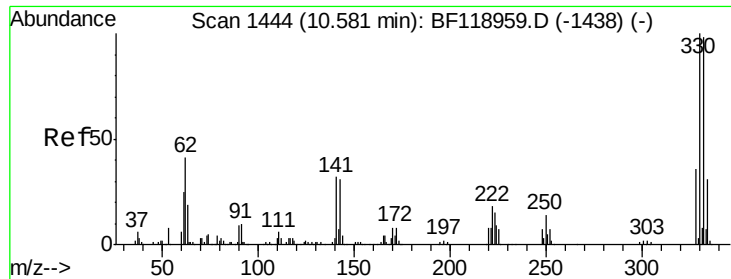
Tot Ion: 82 Resp: 637013
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion:164 Resp: 288765
Ion Ratio Lower Upper
164 100
162 104.1 81.8 122.8
160 46.0 36.0 54.0

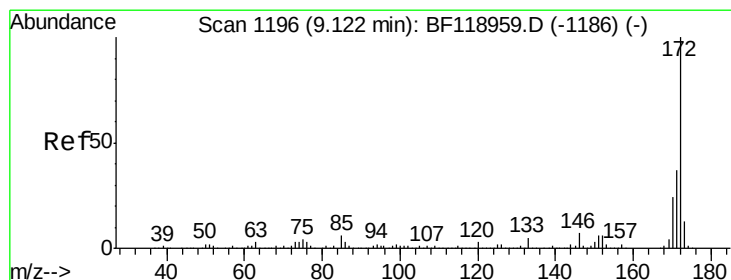
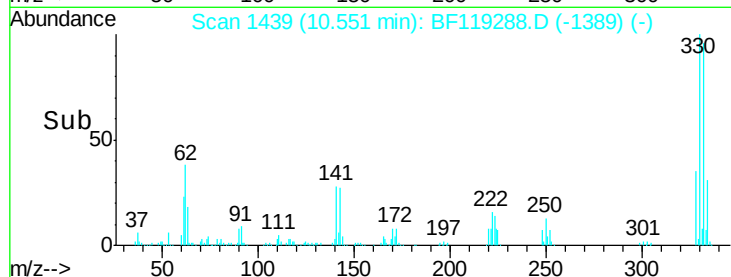
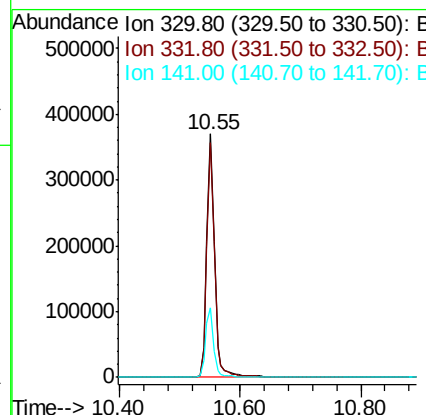
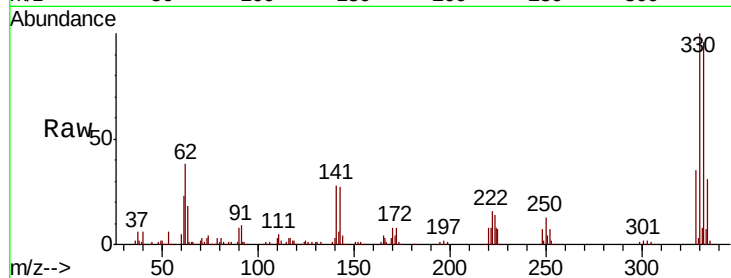




#42
 2,4,6-Tribromophenol
 Concen: 89.759 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119288.D
 Acq: 9 Mar 2020 15:35

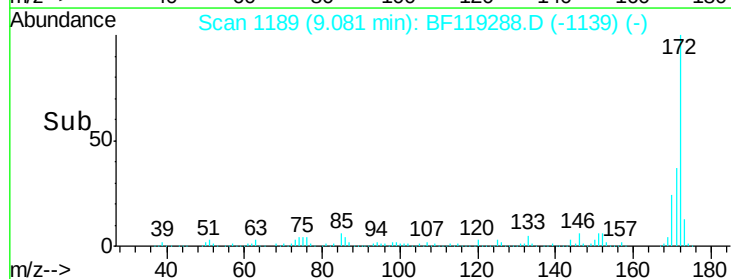
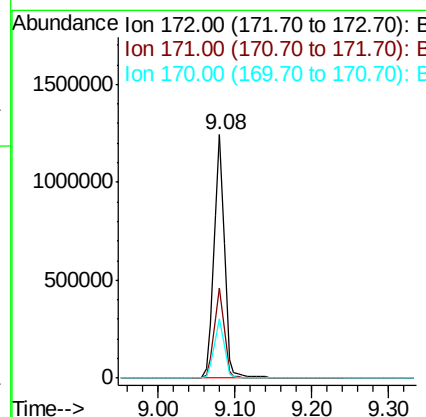
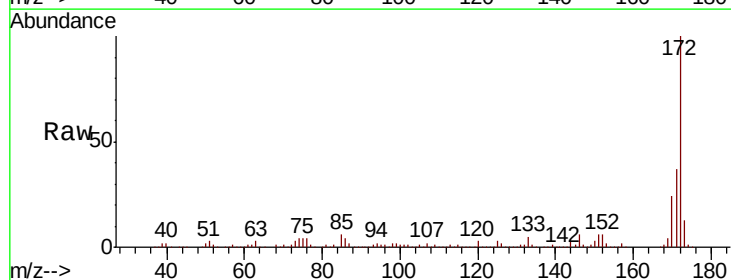
Instrument :
 BNA_F
 ClientSampleId :

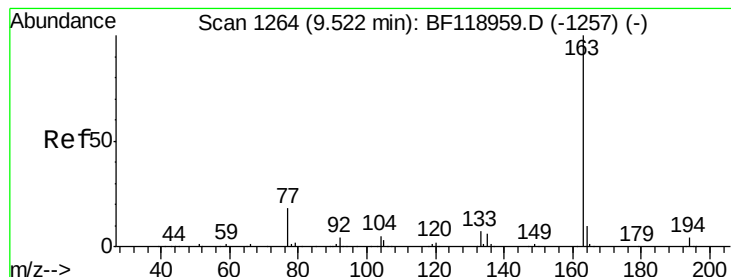
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.0	114.0
141	29.5	22.9	34.3



#45
 2-Fluorobiphenyl
 Concen: 60.019 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119288.D
 Acq: 9 Mar 2020 15:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	45.8
170	24.2	20.2	30.2





#50

Dimethylphthalate

Concen: 5.342 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF119288.D

Acq: 9 Mar 2020 15:35

Instrument :

BNA_F

ClientSampleId :

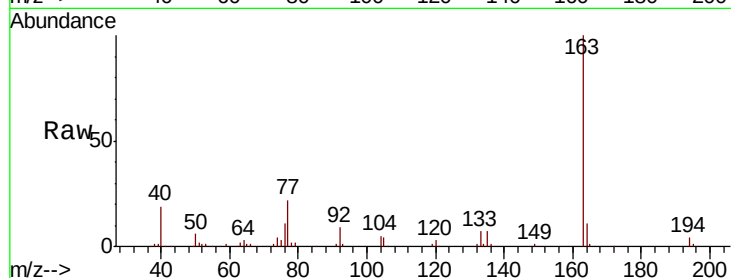
Tot Ion:163 Resp: 117968

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

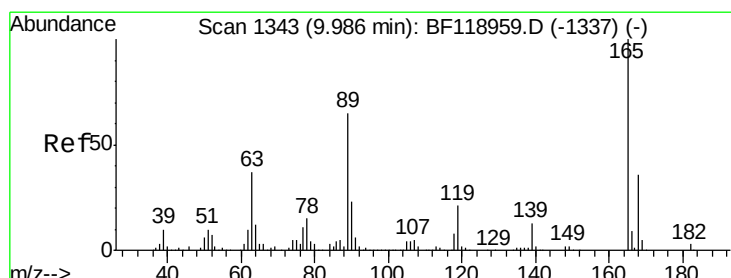
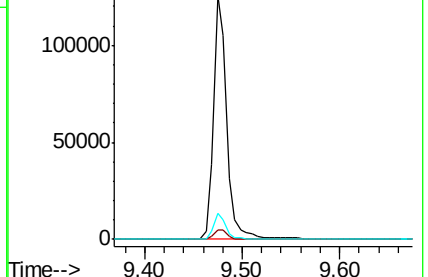
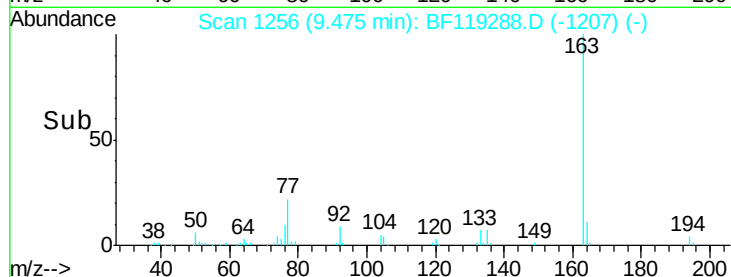
164 10.9 8.4 12.6



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: 5.718 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF119288.D

Acq: 9 Mar 2020 15:35

Tgt Ion:165 Resp: 36358

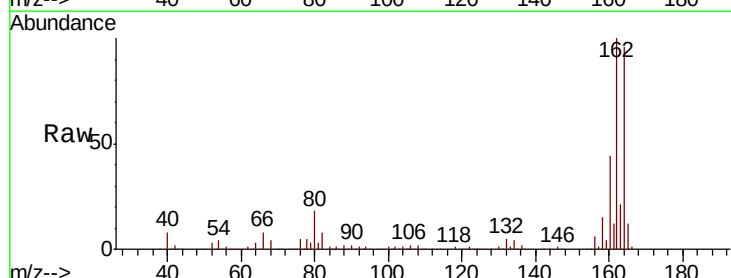
Ion Ratio Lower Upper

165 100

63 1.1 42.3 63.5#

89 1.5 60.2 90.4#

182 0.0 2.3 3.5#

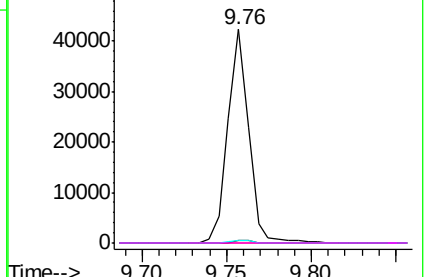
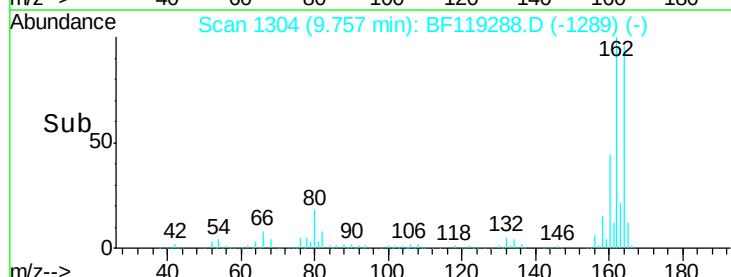


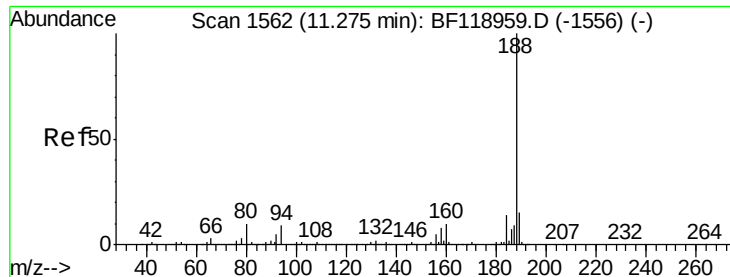
Abundance Ion 165.00 (164.70 to 165.70): E

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

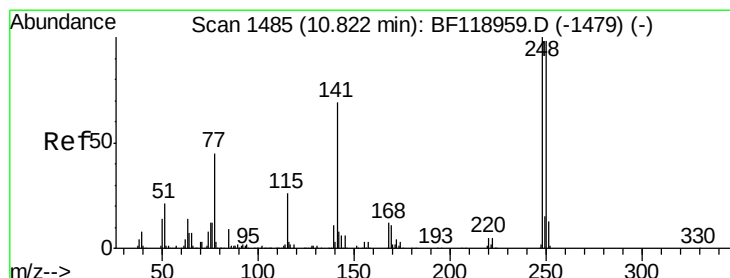
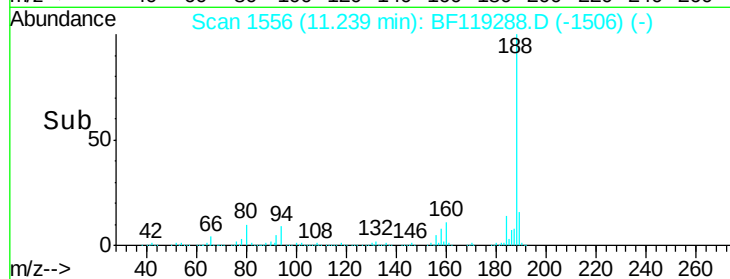
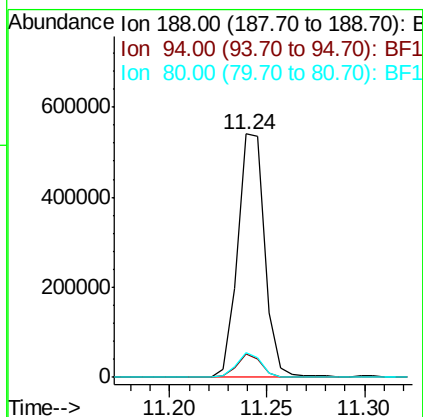
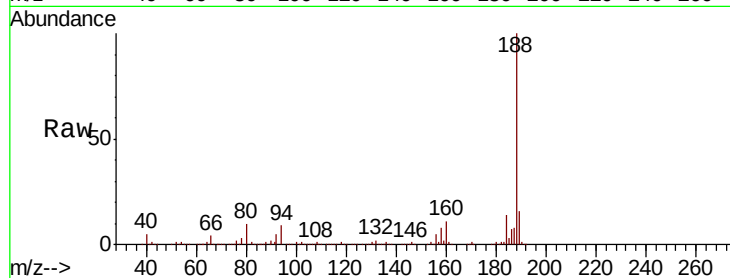




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

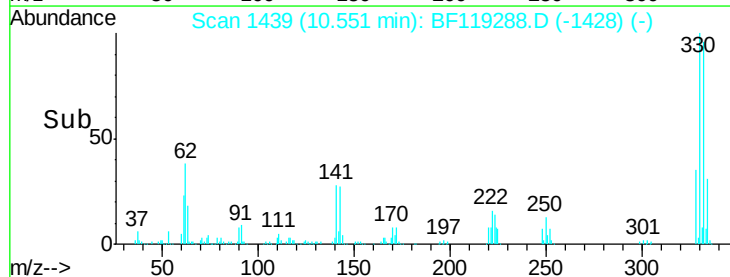
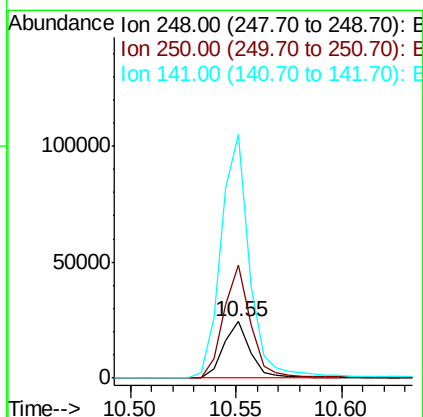
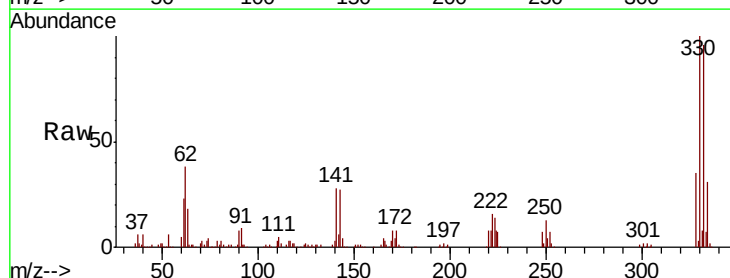
Instrument :
BNA_F
ClientSampleId :

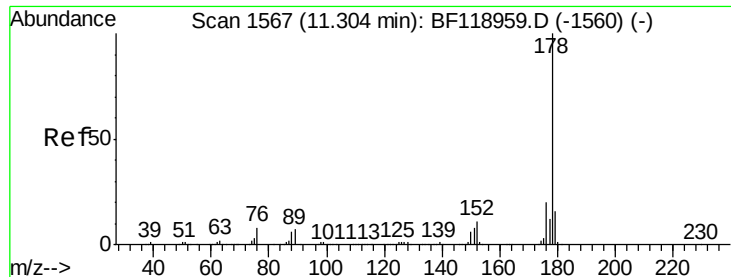
Tot Ion:188 Resp: 520332
Ion Ratio Lower Upper
188 100
94 9.4 7.1 10.7
80 10.0 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 3.125 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion:248 Resp: 21252
Ion Ratio Lower Upper
248 100
250 200.9 76.7 115.1#
141 430.7 60.7 91.1#

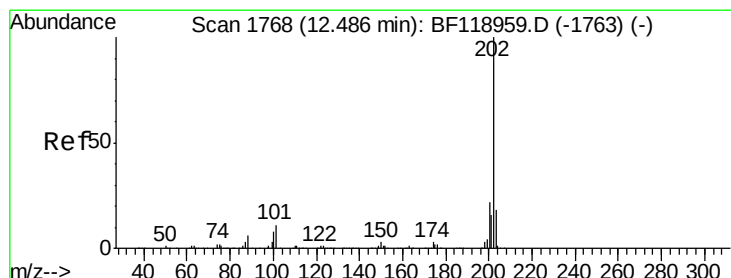
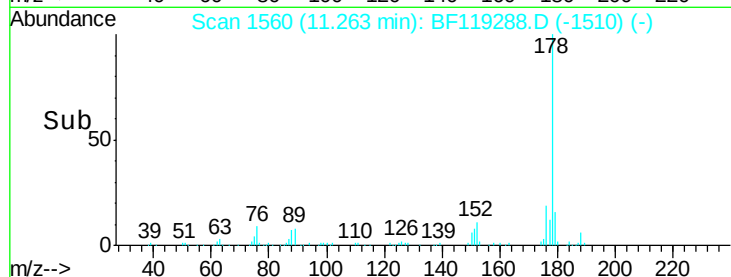
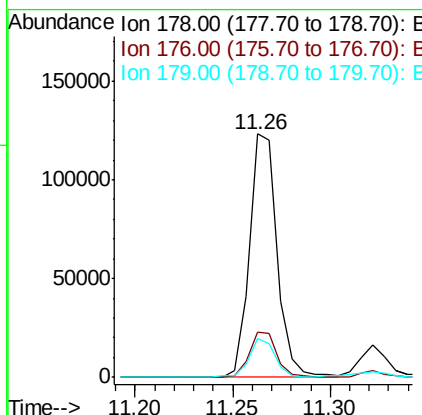
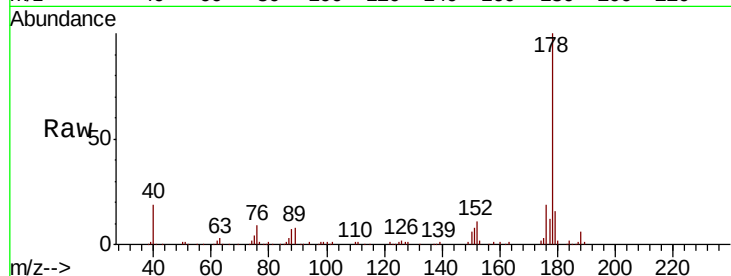




#71
Phenanthrene
Concen: 4.268 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

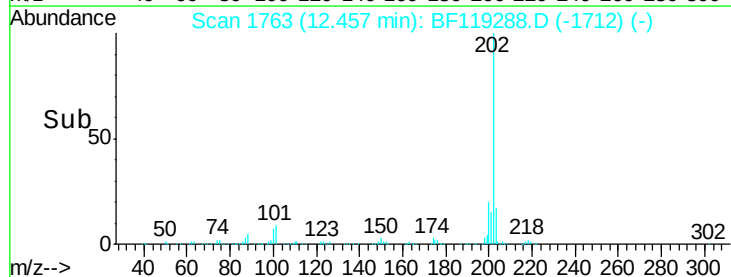
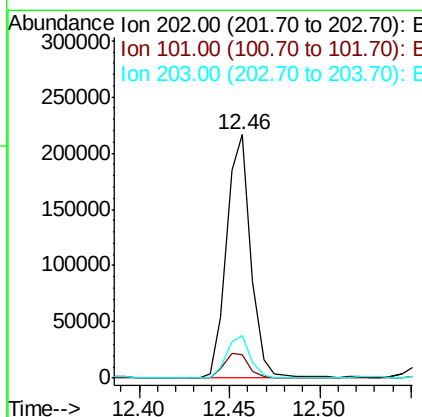
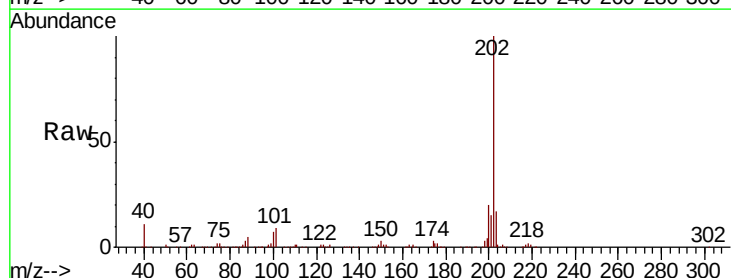
Instrument :
BNA_F
ClientSampleId :

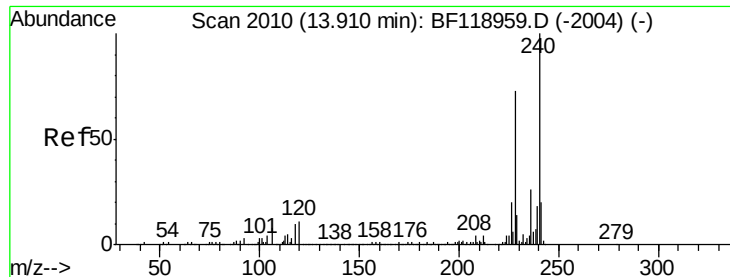
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.5	24.7
179	16.1	13.0	19.6



#75
Fluoranthene
Concen: 6.736 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.3
203	17.3	0.0	38.4

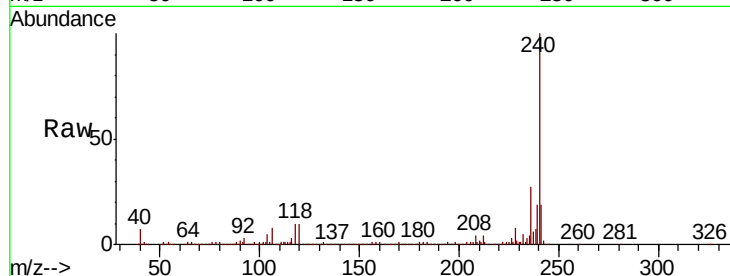




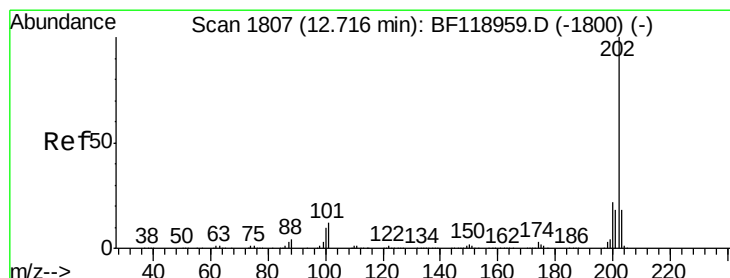
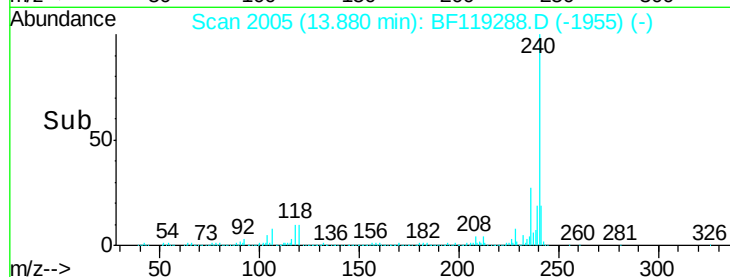
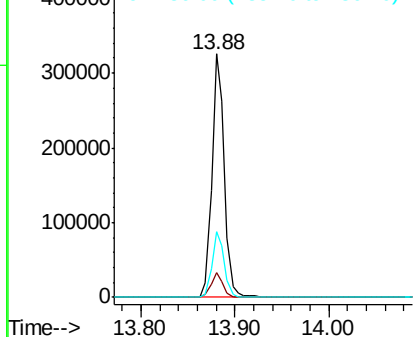
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 305221
Ion Ratio Lower Upper
240 100
120 10.1 8.4 12.6
236 26.9 21.0 31.4

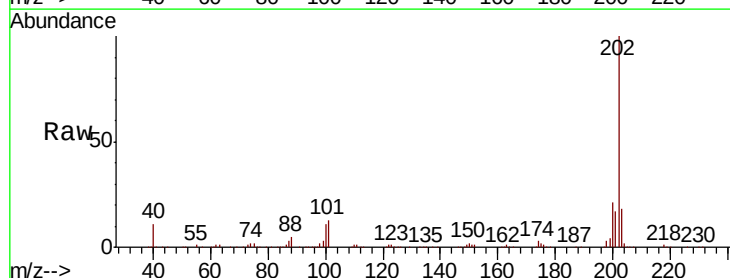


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

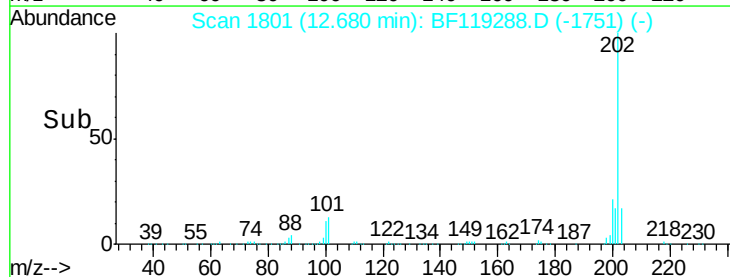
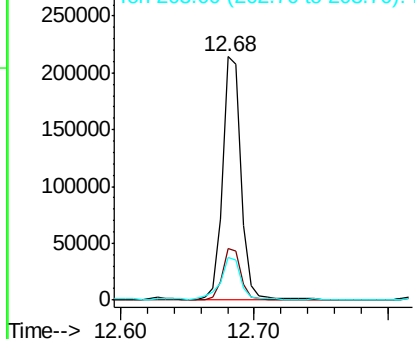


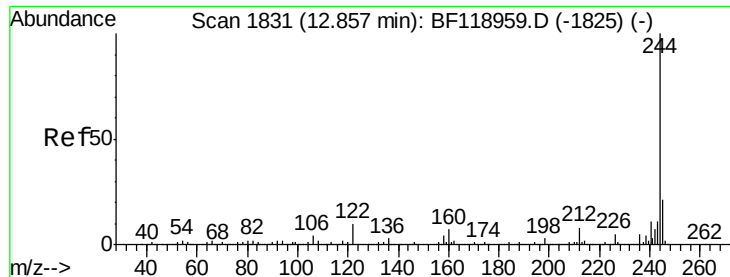
#78
Pyrene
Concen: 8.549 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion:202 Resp: 209516
Ion Ratio Lower Upper
202 100
200 21.3 18.0 27.0
203 17.7 14.6 22.0



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: 65.350 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF119288.D

Acq: 9 Mar 2020 15:35

Instrument :

BNA_F

ClientSampleId :

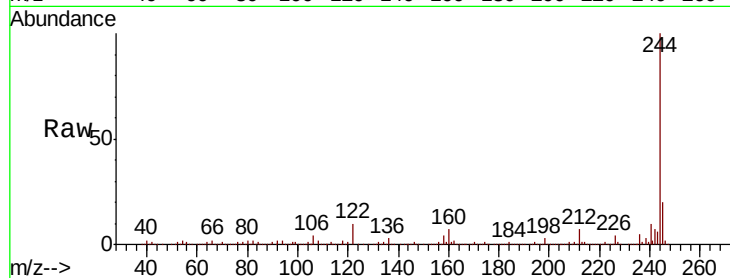
Tot Ion:244 Resp: 1158540

Ion Ratio Lower Upper

244 100

212 7.4 6.6 10.0

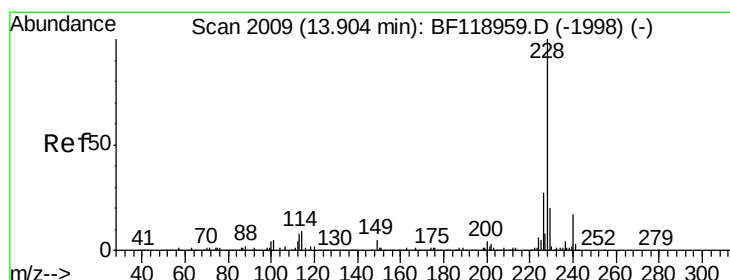
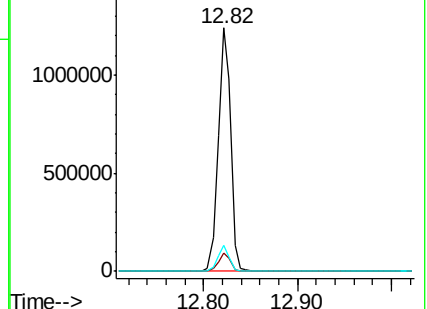
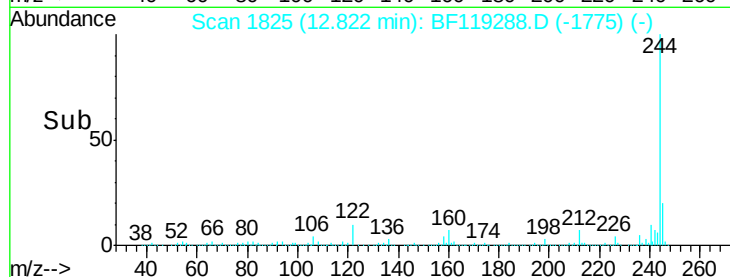
122 10.5 8.2 12.2



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: 3.282 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119288.D

Acq: 9 Mar 2020 15:35

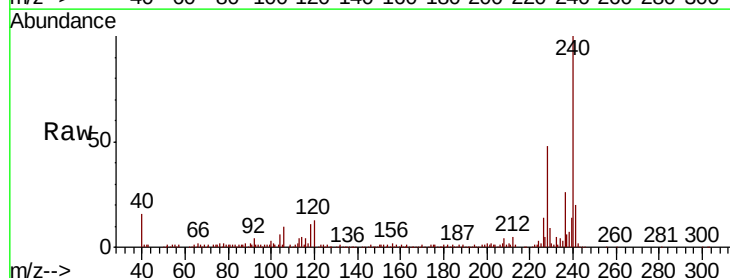
Tgt Ion:228 Resp: 68264

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

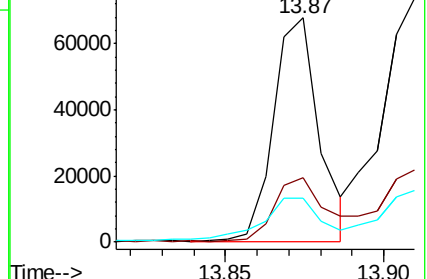
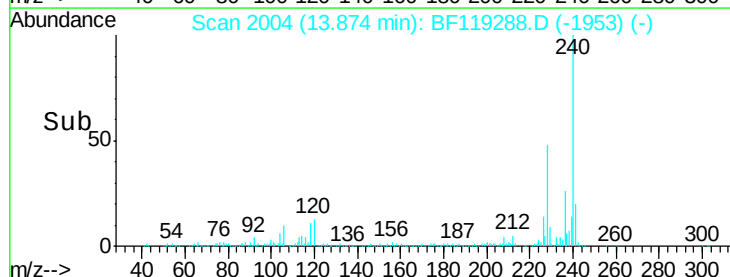
229 19.4 16.6 24.8

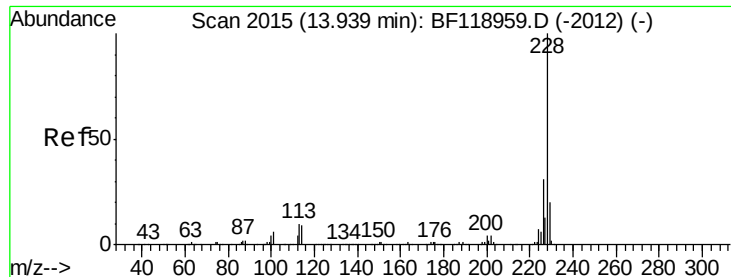


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

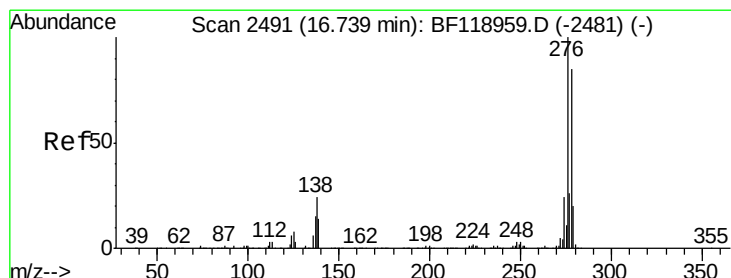
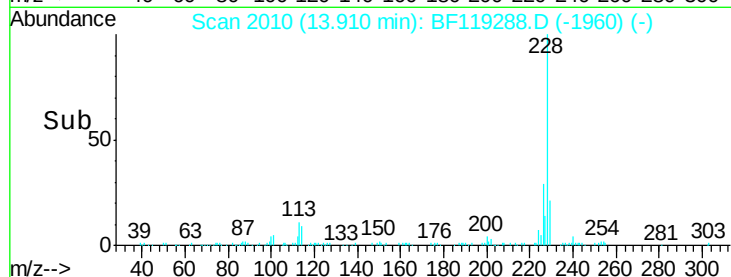
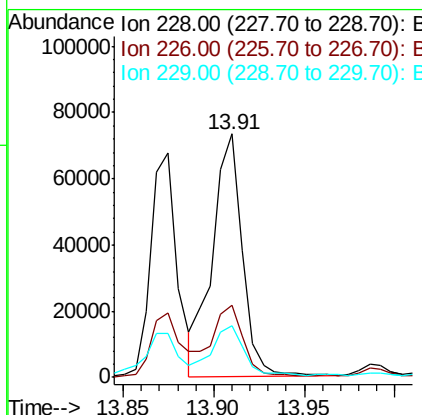
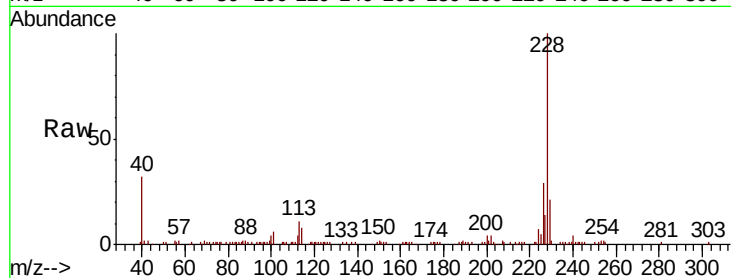




#83
Chrysene
Concen: 4.054 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

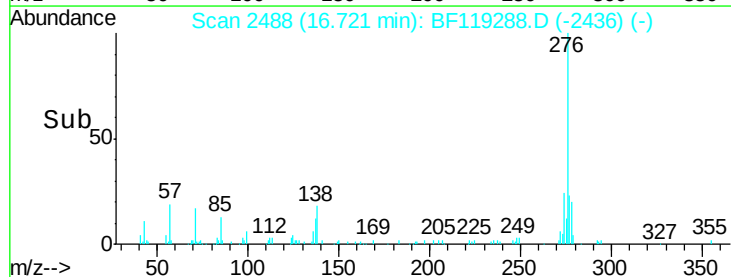
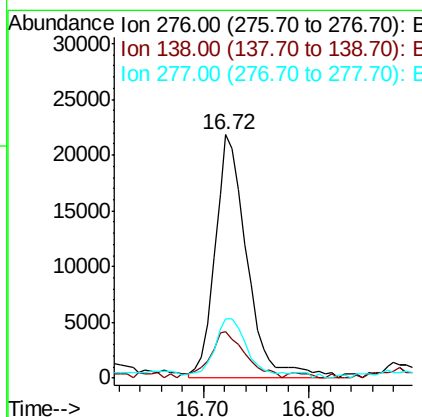
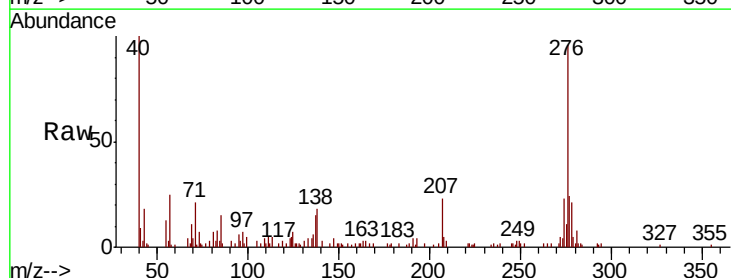
Instrument :
BNA_F
ClientSampleId :

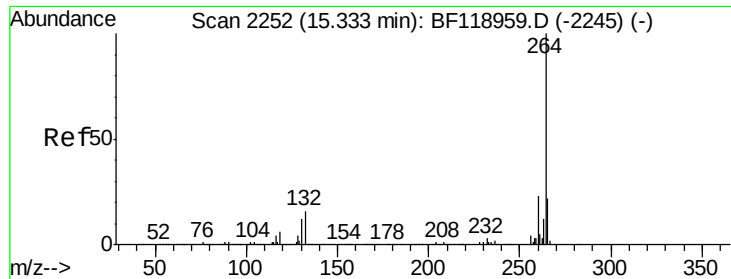
Tot Ion:228 Resp: 84009
Ion Ratio Lower Upper
228 100
226 29.4 25.1 37.7
229 21.4 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.294 ng
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion:276 Resp: 46030
Ion Ratio Lower Upper
276 100
138 21.1 17.4 26.0
277 21.8 20.3 30.5



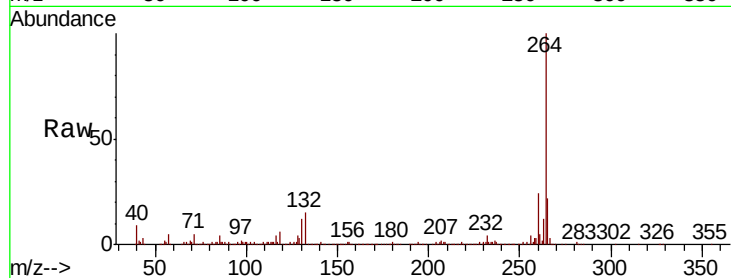


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.00 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

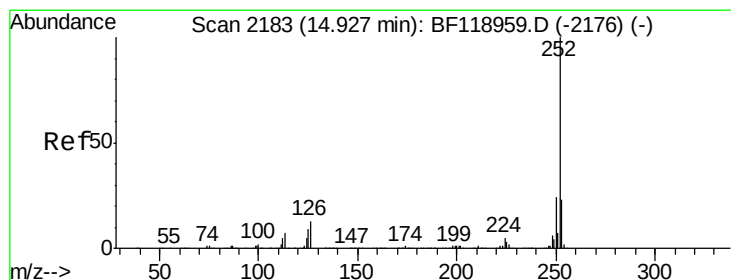
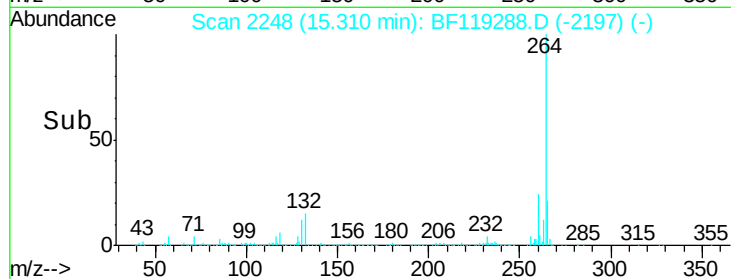
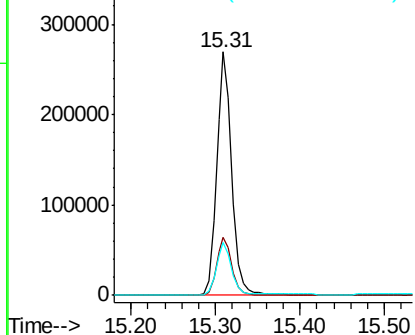
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 338714

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.6	17.7	26.5



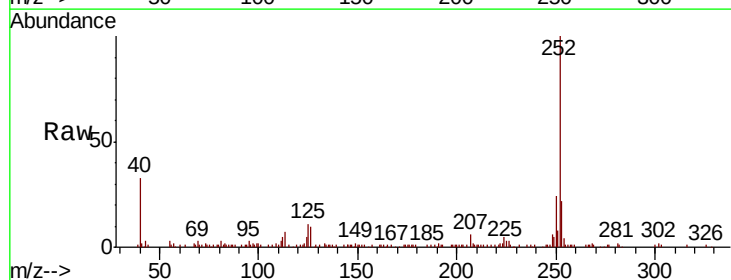
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



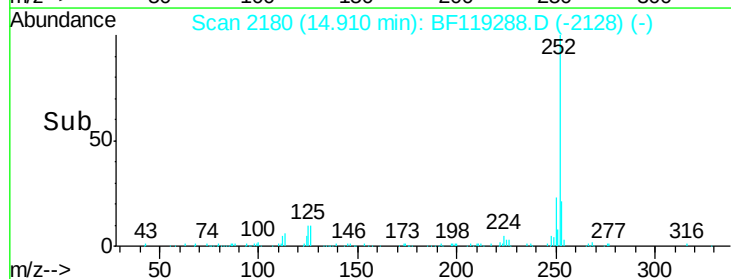
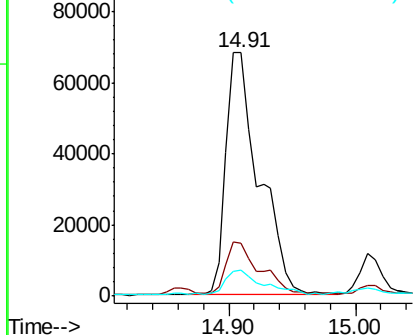
#88
Benzo(b)fluoranthene
Concen: 5.568 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

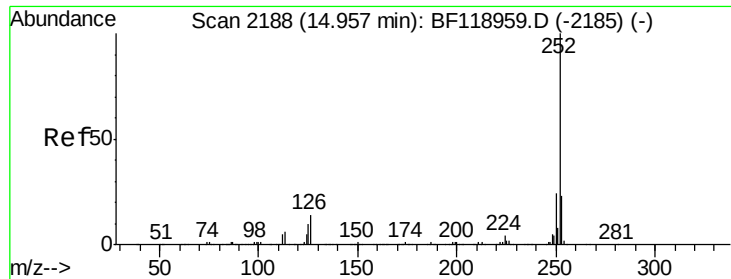
Tgt Ion:252 Resp: 124305

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	10.5	7.4	11.0



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

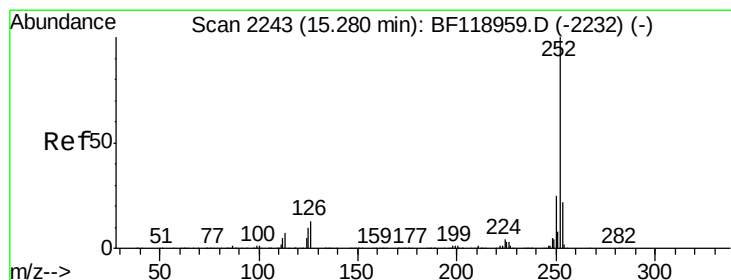
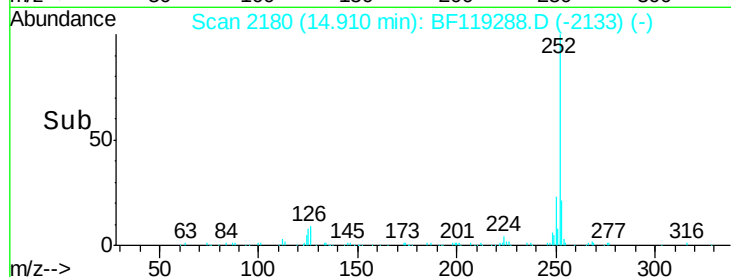
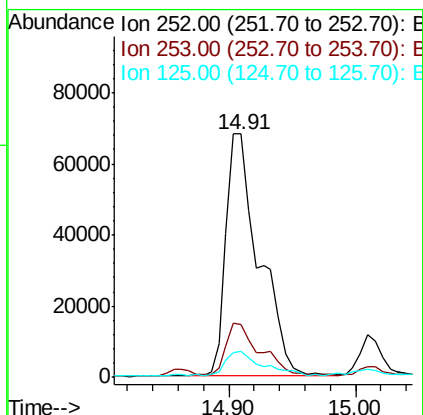
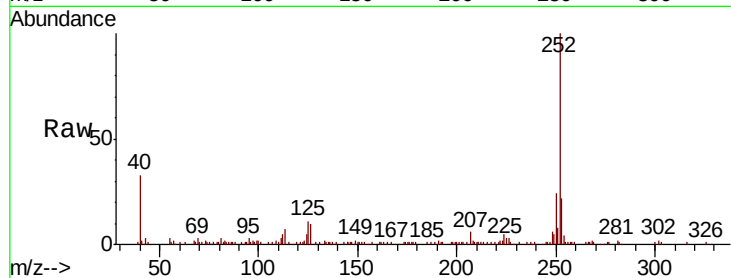




#89
Benzo(k)fluoranthene
Concen: 6.008 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

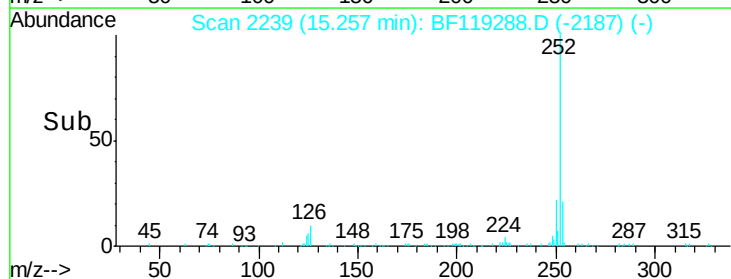
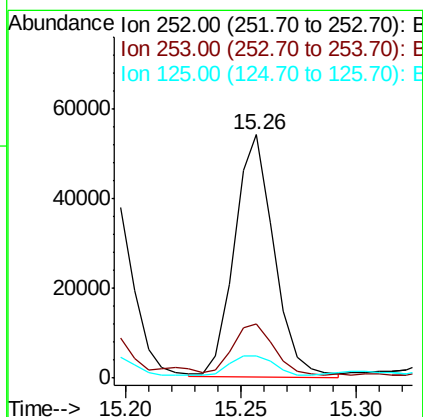
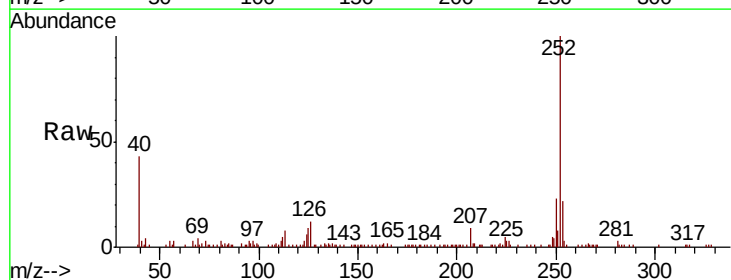
Instrument :
BNA_F
ClientSampleId :

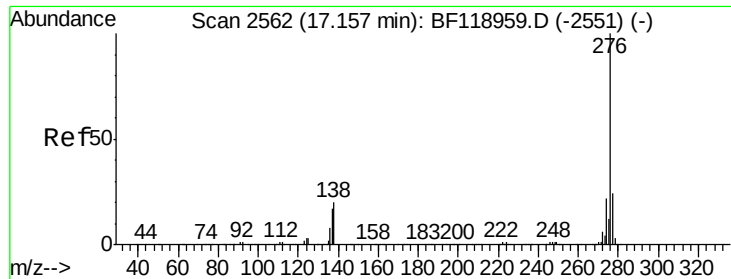
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.5	7.5	11.3



#90
Benzo(a)pyrene
Concen: 3.206 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119288.D
Acq: 9 Mar 2020 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	9.1	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.459 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.01 min
 Lab File: BF119288.D
 Acq: 9 Mar 2020 15:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.7	28.1
138	17.5	14.3	21.5

