

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
 Data File : BF121298.D
 Acq On : 14 Aug 2020 21:57
 Operator : JU/CG
 Sample : L3677-05 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Aug 17 01:07:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	95447	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	372260	20.00	ng	-0.02
39) Acenaphthene-d10	9.74	164	195852	20.00	ng	-0.02
64) Phenanthrene-d10	11.22	188	391775	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	280585	20.00	ng	-0.02
86) Perylene-d12	15.27	264	283361	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	79330	12.60	ng	0.00
7) Phenol-d6	6.34	99	100163	12.35	ng	-0.02
23) Nitrobenzene-d5	7.26	82	60239	8.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	28228	11.71	ng	-0.02
45) 2-Fluorobiphenyl	9.06	172	121803	8.60	ng	-0.02
79) Terphenyl-d14	12.80	244	120695	8.39	ng	-0.02

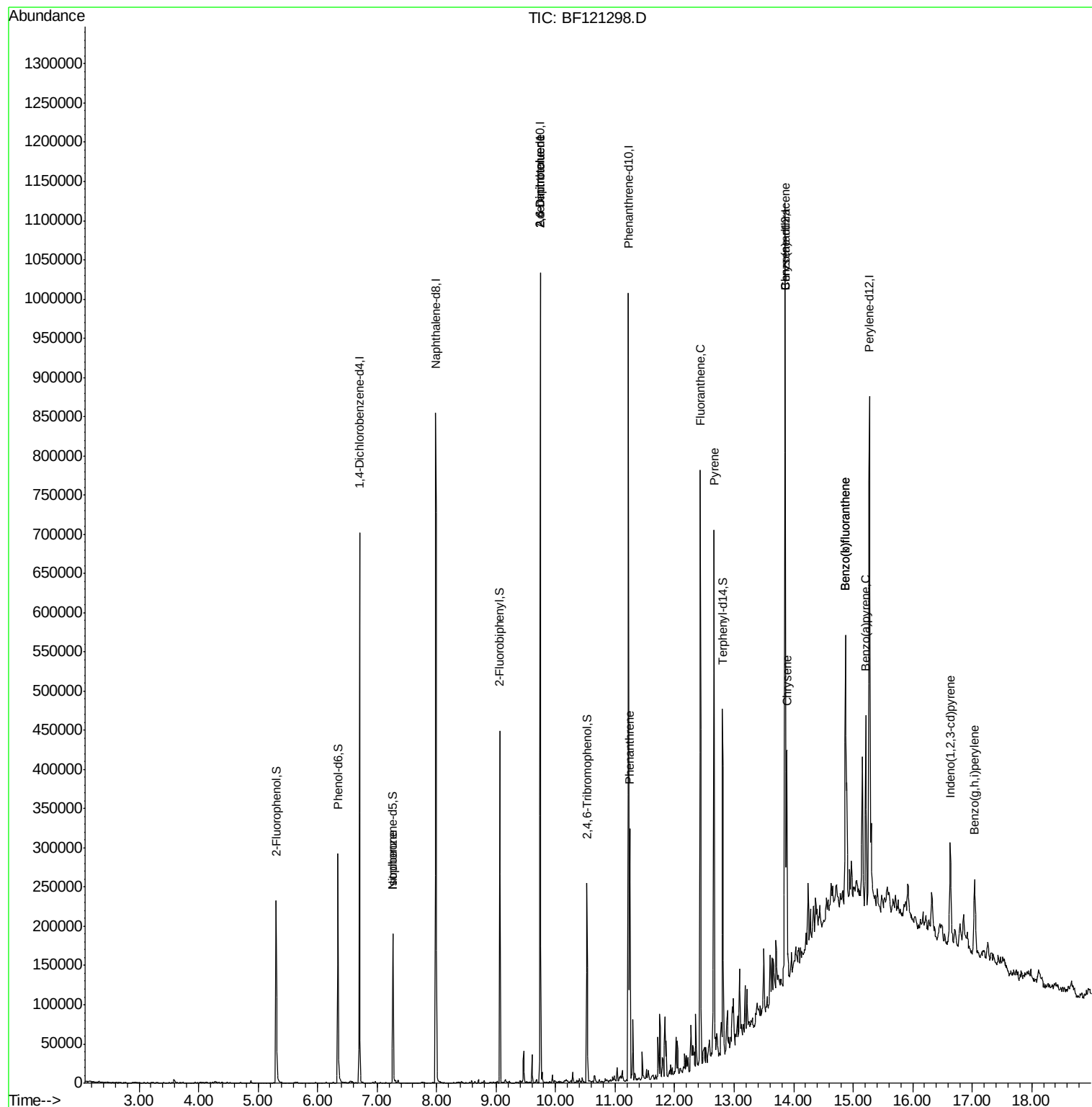
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	60238	4.405	ng	# 62
51) 2,6-Dinitrotoluene	9.74	165	25447	7.746	ng	# 26
57) 2,4-Dinitrotoluene	9.74	165	25447	5.902	ng	# 26
71) Phenanthrene	11.24	178	110888	4.947	ng	100
75) Fluoranthene	12.43	202	272222	10.908	ng	99
78) Pyrene	12.66	202	261393	12.510	ng	100
81) Benzo(a)anthracene	13.85	228	126261	6.635	ng	97
83) Chrysene	13.89	228	123717	6.367	ng	96
87) Indeno(1,2,3-cd)pyrene	16.63	276	77371	3.673	ng	97
88) Benzo(b)fluoranthene	14.87	252	221387	11.660	ng	# 97
89) Benzo(k)fluoranthene	14.87	252	221387	12.557	ng	98
90) Benzo(a)pyrene	15.22	252	112749	6.579	ng	99
92) Benzo(a,h,i)perylene	17.04	276	73783	4.142	ng	98

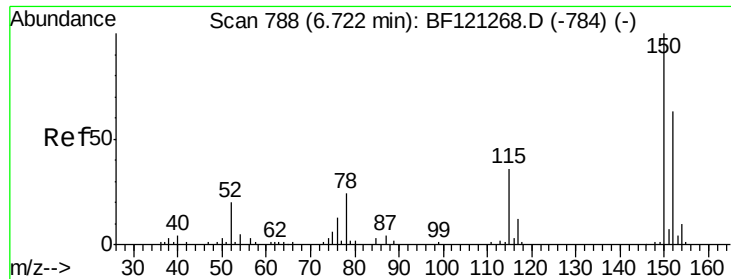
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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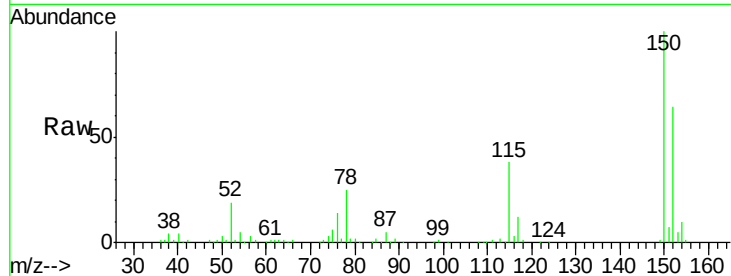


#1

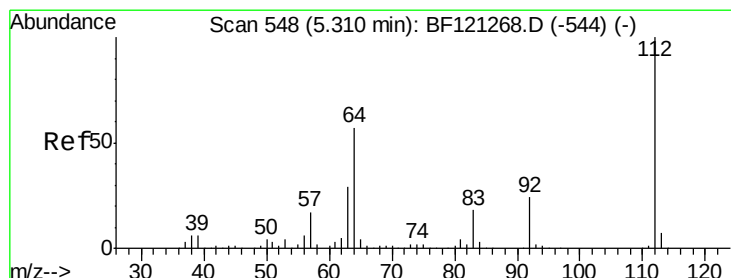
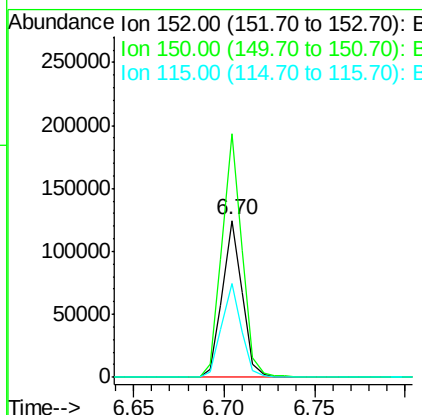
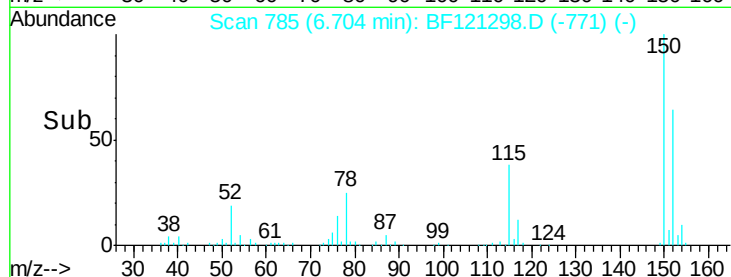
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:152 Resp: 95447
Ion Ratio Lower Upper
152 100
150 155.5 129.0 193.6
115 59.7 49.0 73.4



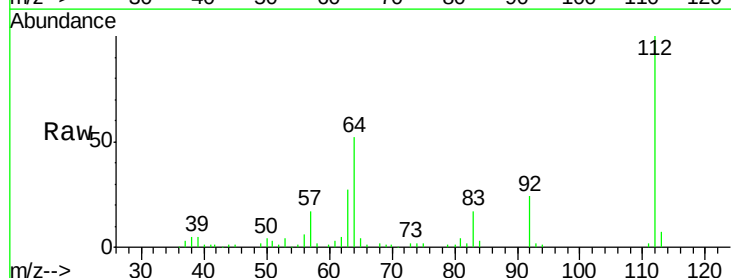
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



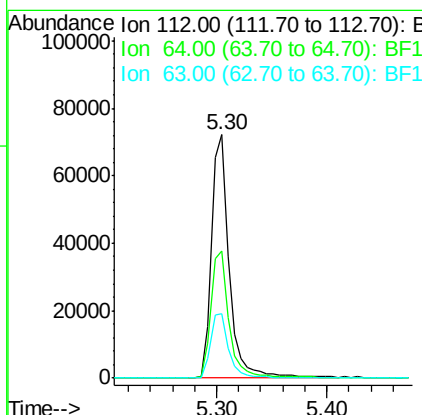
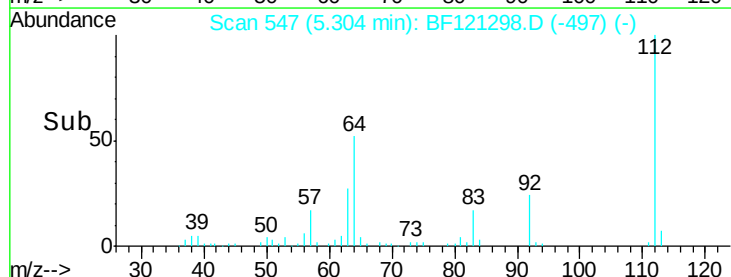
#5

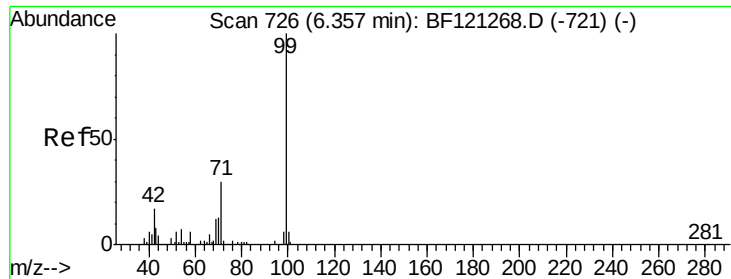
2-Fluorophenol
Concen: 12.601 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion:112 Resp: 79330
Ion Ratio Lower Upper
112 100
64 52.4 45.4 68.2
63 26.7 23.0 34.6



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: 12.346 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

ClientSampled :

TP-1

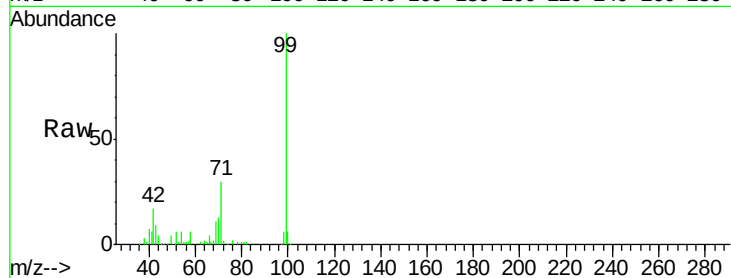
Tot Ion: 99 Resp: 100163

Ion Ratio Lower Upper

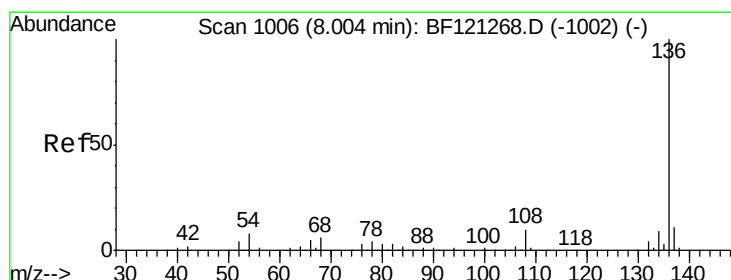
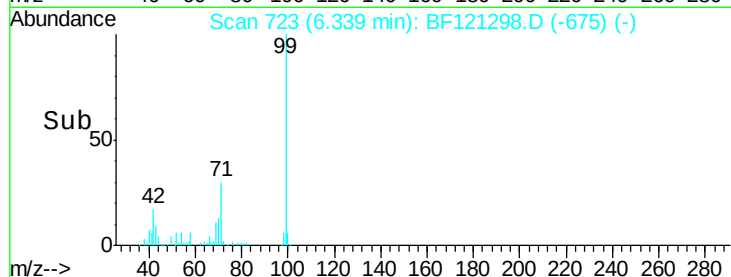
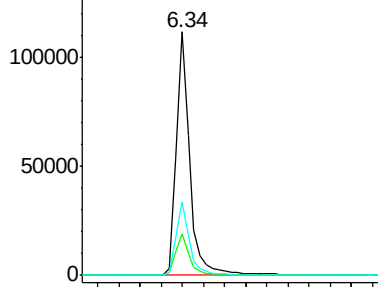
99 100

42 17.1 13.1 19.7

71 30.1 23.7 35.5



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: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Tgt Ion: 136 Resp: 372260

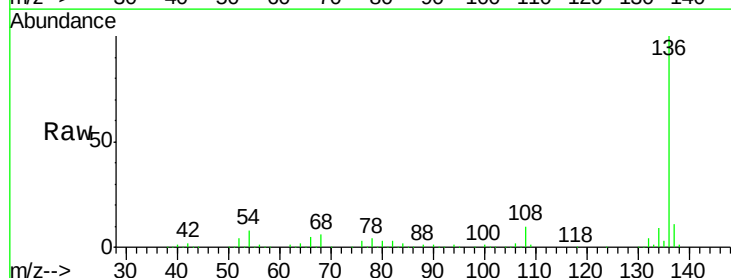
Ion Ratio Lower Upper

136 100

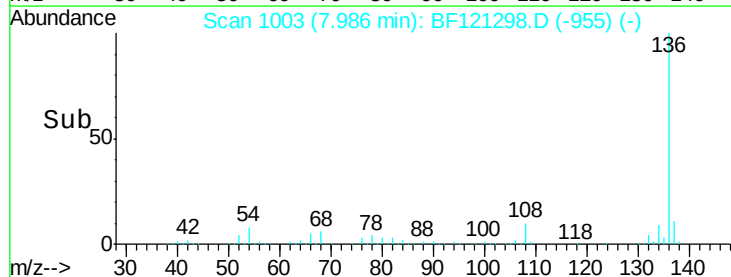
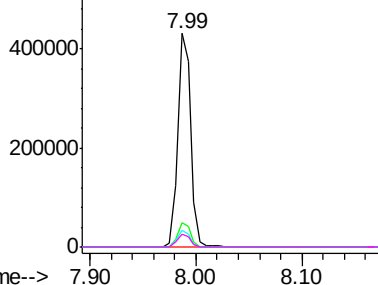
137 11.3 8.6 13.0

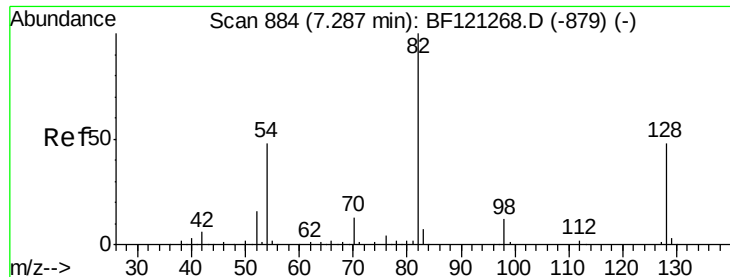
54 8.0 5.3 7.9#

68 6.2 4.2 6.2



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

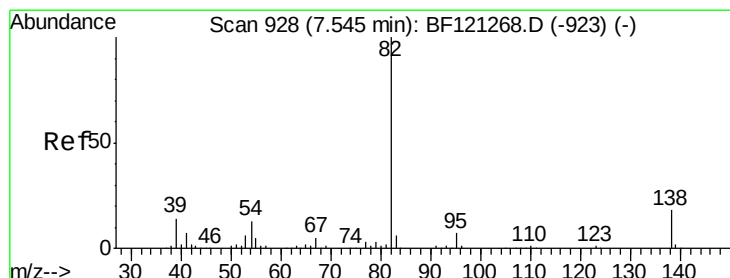
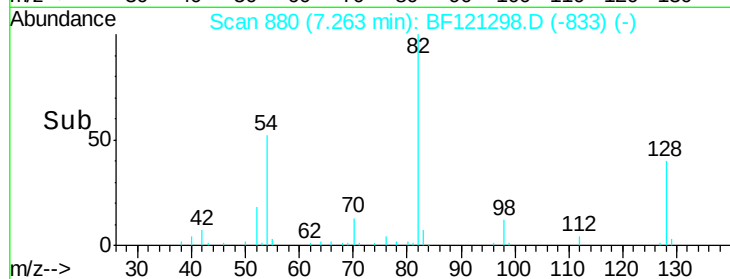
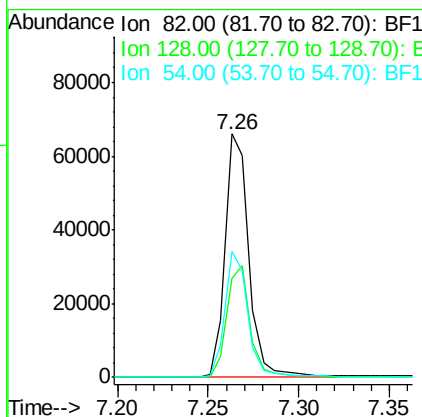
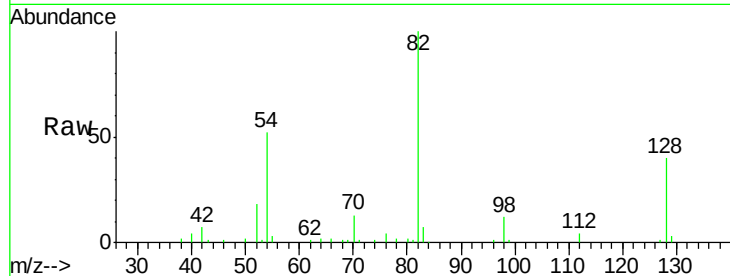




#23
Nitrobenzene-d5
Concen: 8.844 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

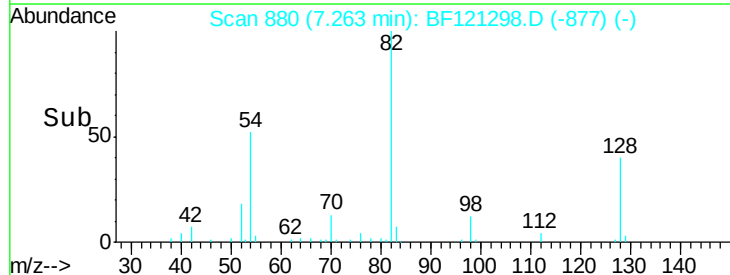
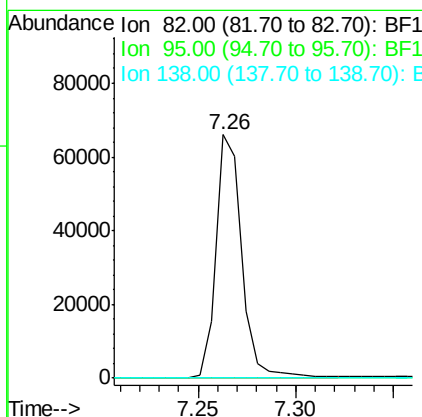
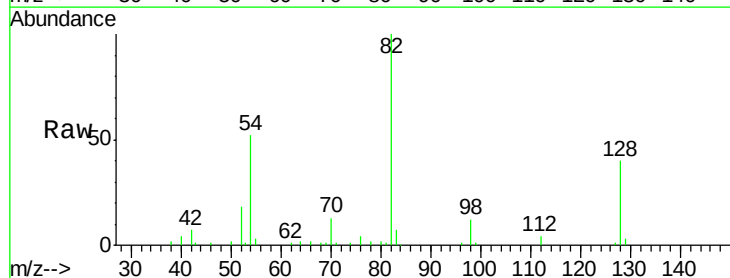
Instrument :
BNA_F
ClientSampled :
TP-1

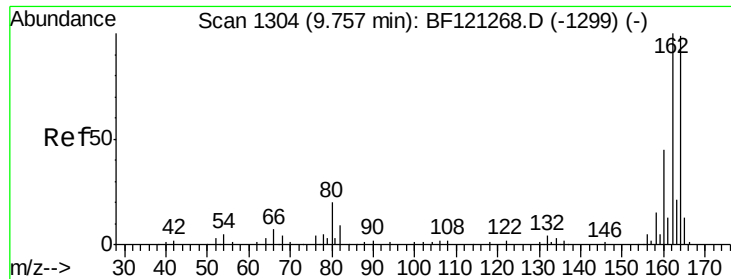
Tot Ion	82	Resp	60239
Ion Ratio	Lower	Upper	
82	100		
128	40.4	39.8	59.8
54	51.9	37.7	56.5



#25
Isophorone
Concen: 4.405 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion	82	Resp	60238
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	16.0	24.0#

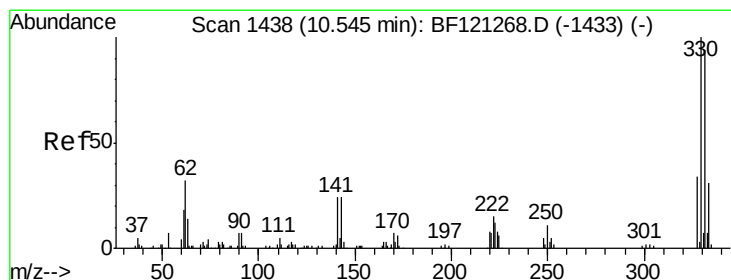
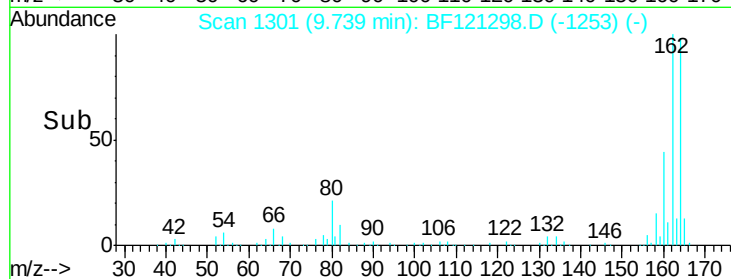
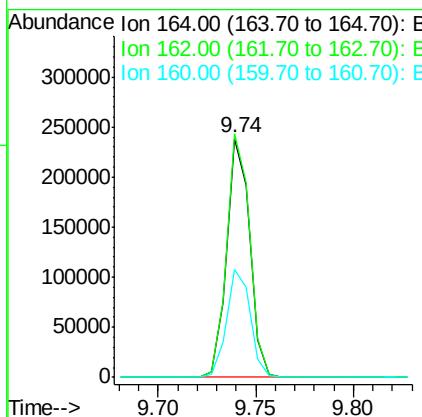
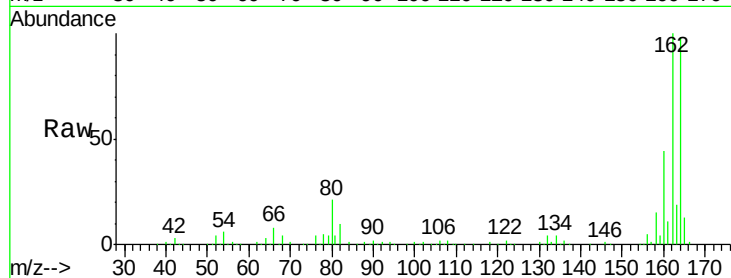




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

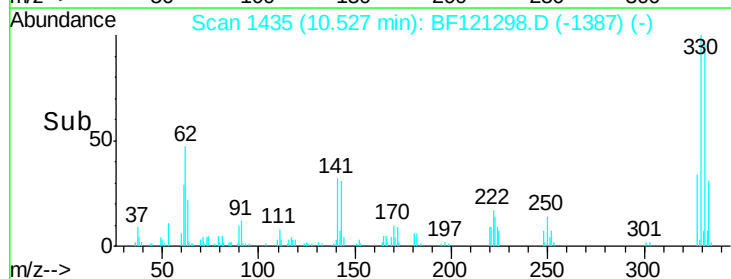
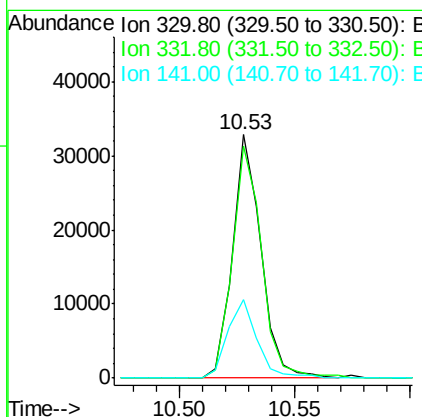
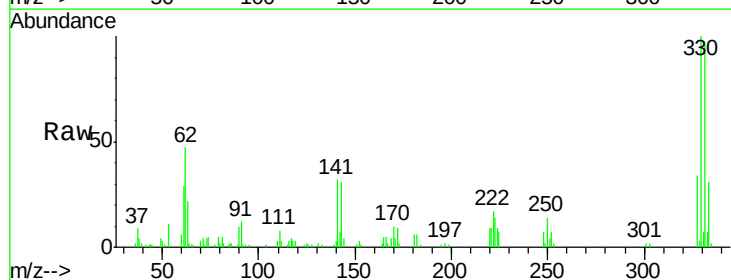
Instrument :
BNA_F
ClientSampleId :
TP-1

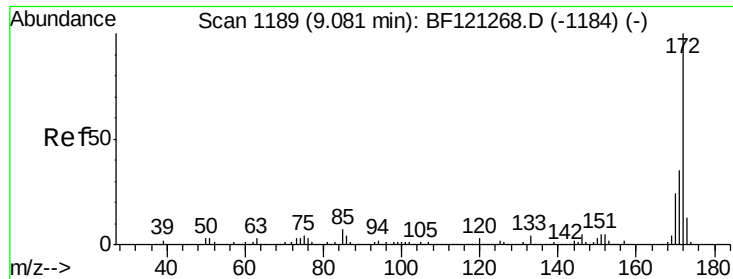
Tot Ion:164 Resp: 195852
Ion Ratio Lower Upper
164 100
162 101.9 81.2 121.8
160 45.2 36.9 55.3



#42
2,4,6-Tribromophenol
Concen: 11.706 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion:330 Resp: 28228
Ion Ratio Lower Upper
330 100
332 98.5 75.4 113.0
141 33.4 23.4 35.2

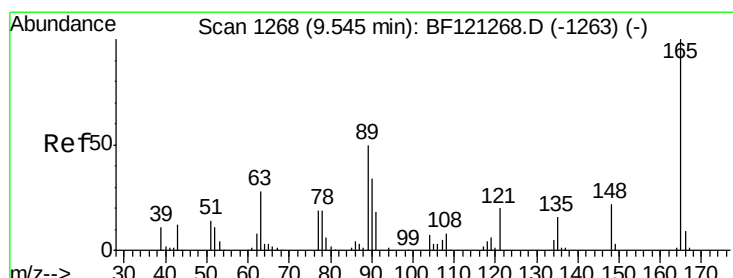
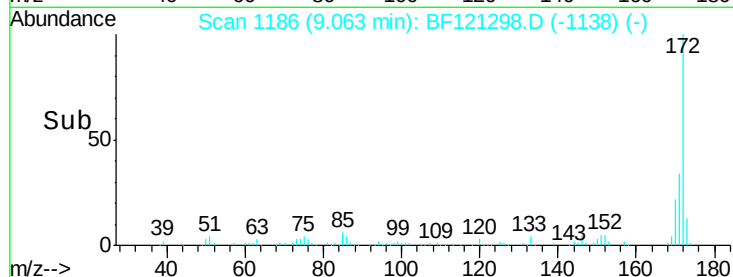
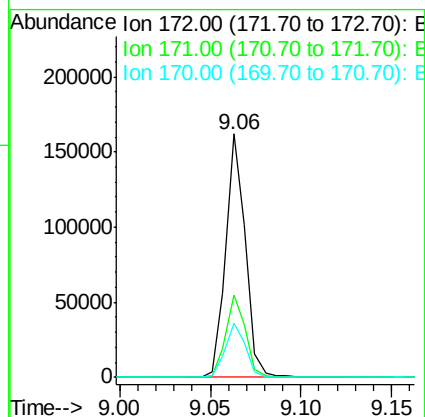
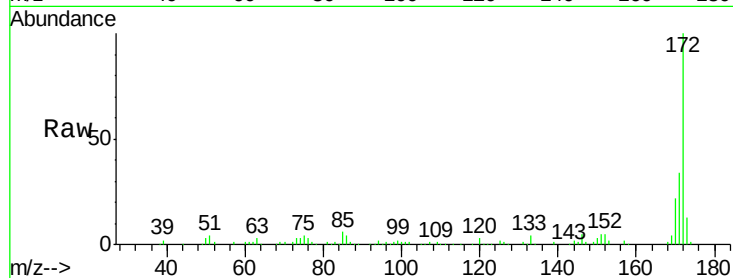




#45
2-Fluorobiphenyl
Concen: 8.603 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

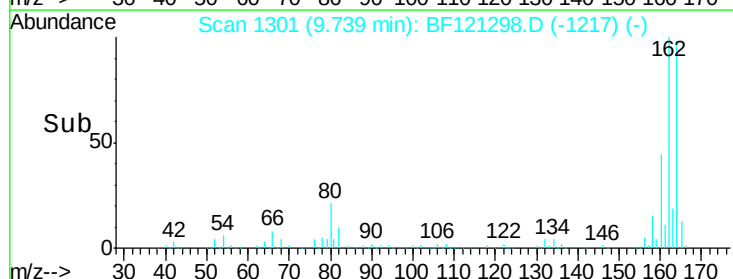
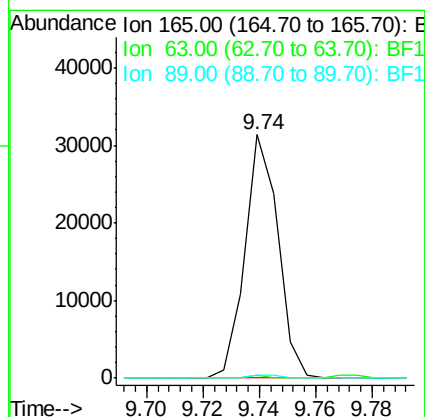
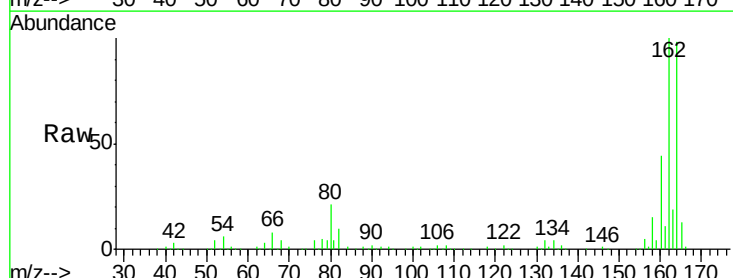
Instrument :
BNA_F
ClientSampleId :
TP-1

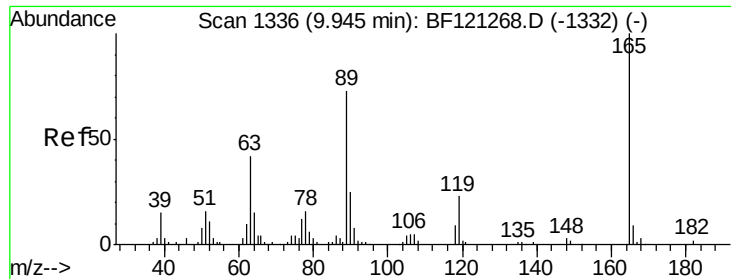
Tot Ion:172 Resp: 121803
Ion Ratio Lower Upper
172 100
171 33.6 28.3 42.5
170 22.1 19.3 28.9



#51
2,6-Dinitrotoluene
Concen: 7.746 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.19 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion:165 Resp: 25447
Ion Ratio Lower Upper
165 100
63 1.1 42.3 63.5#
89 1.2 45.0 67.4#

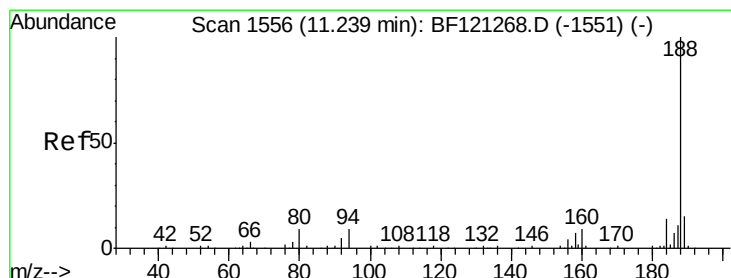
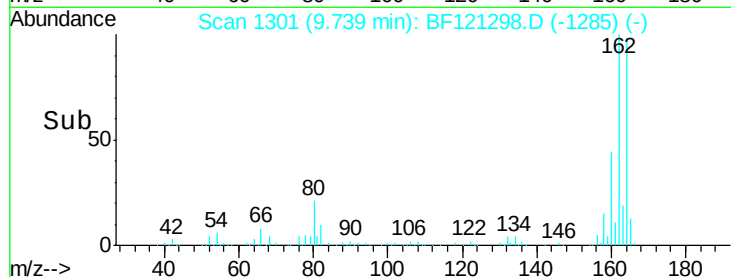
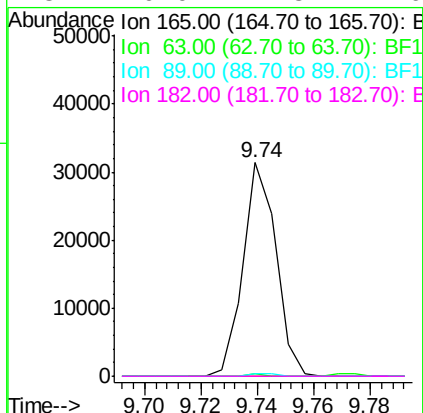
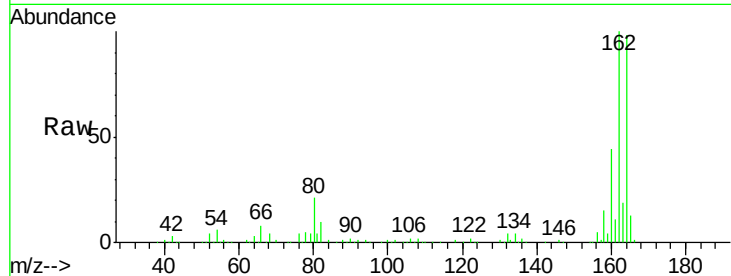




#57
 2,4-Dinitrotoluene
 Concen: 5.902 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.21 min
 Lab File: BF121298.D
 Acq: 14 Aug 2020 21:57

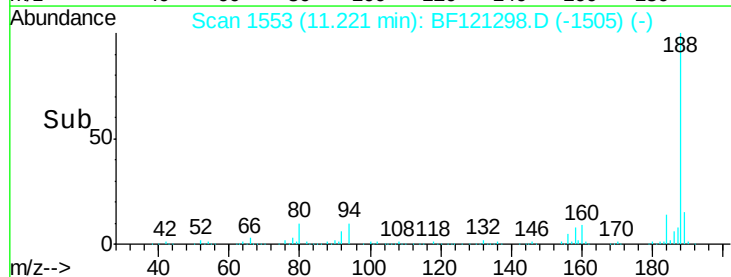
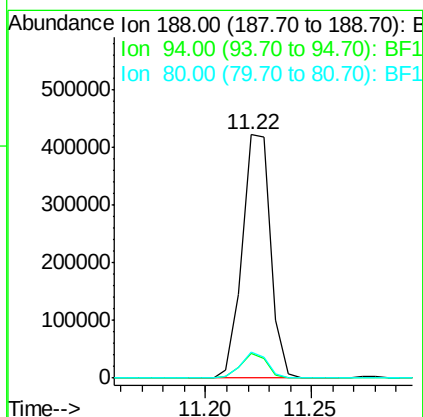
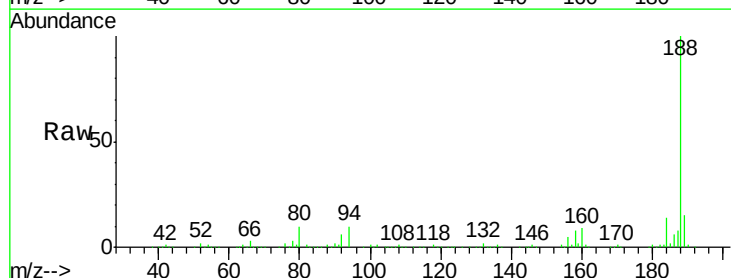
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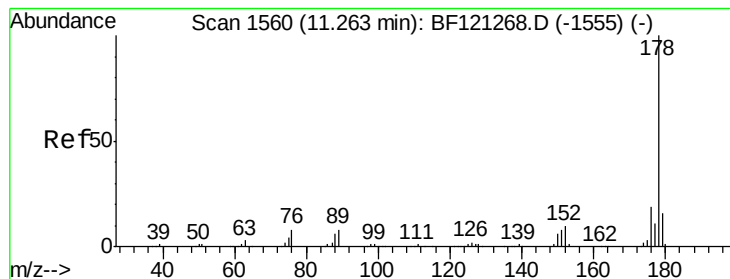
Tot Ion:165	Resp:	25447
Ion Ratio	Lower	Upper
165	100	
63	1.1	31.9 47.9#
89	1.2	53.6 80.4#
182	0.0	1.8 2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF121298.D
 Acq: 14 Aug 2020 21:57

Tgt Ion:188	Resp:	391775
Ion Ratio	Lower	Upper
188	100	
94	10.2	7.0 10.6
80	10.5	7.4 11.0





#71

Phenanthrene

Concen: 4.947 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

ClientSampleId :

TP-1

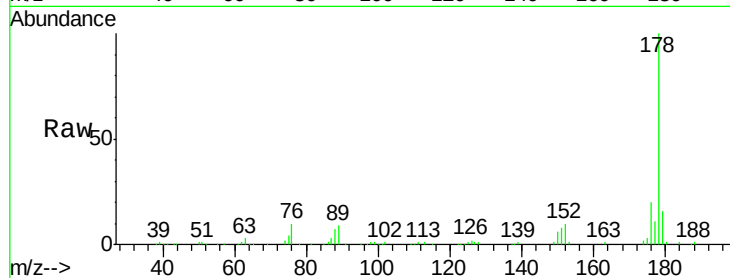
Tot Ion:178 Resp: 110888

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

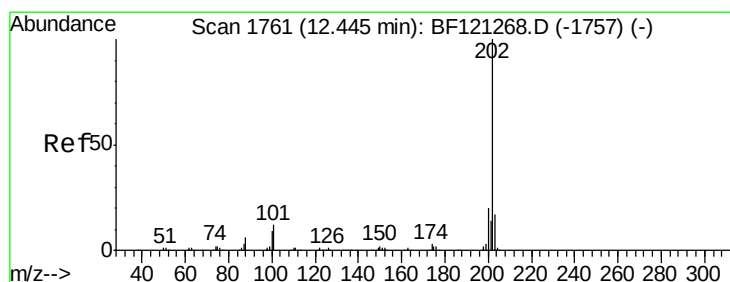
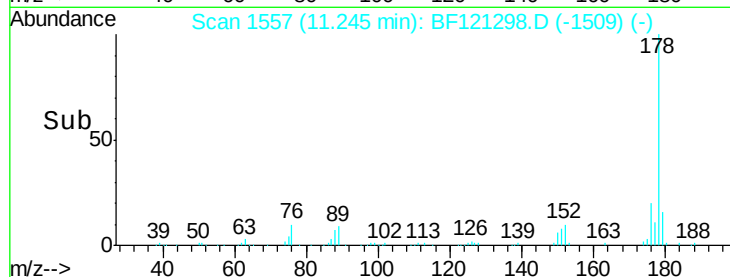
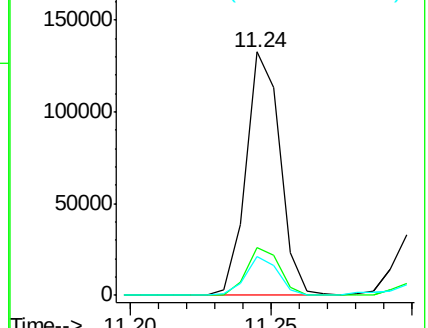
179 15.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.908 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

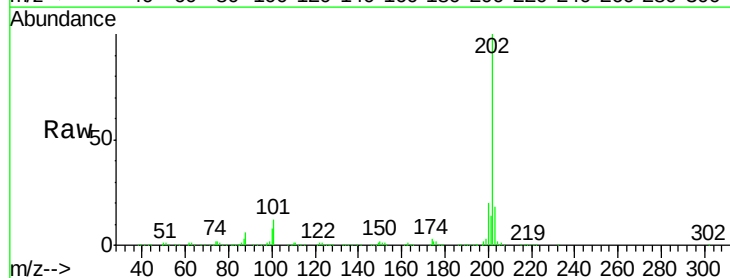
Tgt Ion:202 Resp: 272222

Ion Ratio Lower Upper

202 100

101 11.7 0.0 30.6

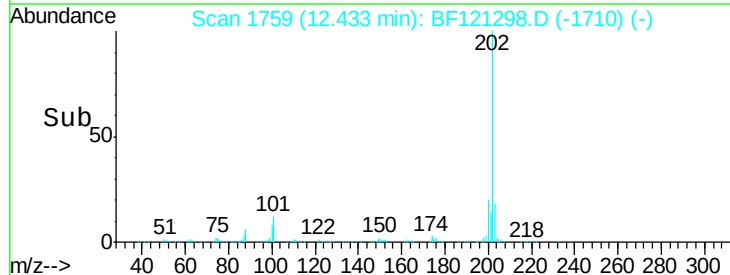
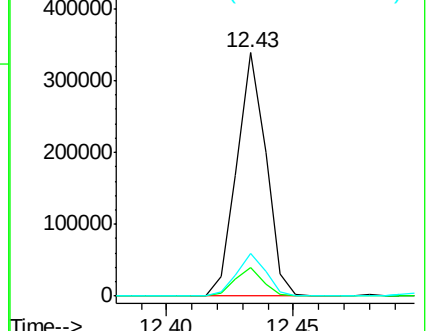
203 17.8 0.0 38.0

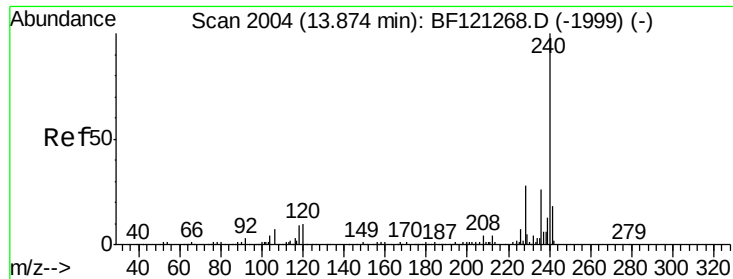


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

ClientSampleId :

TP-1

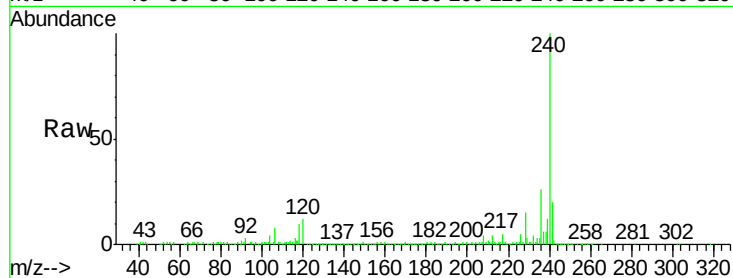
Tot Ion:240 Resp: 280585

Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

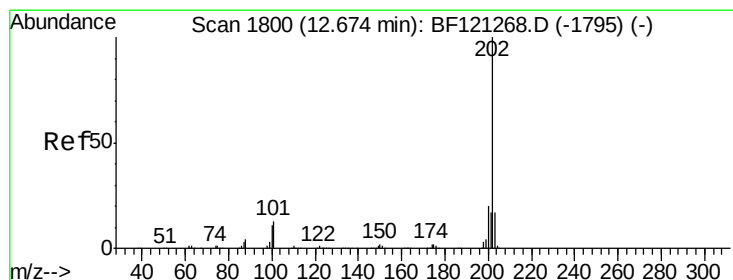
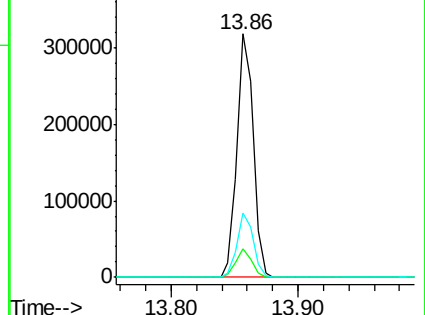
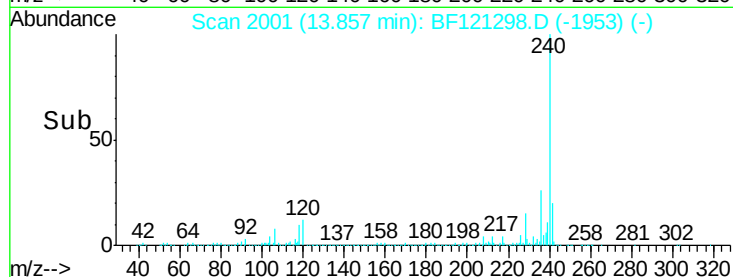
236 26.4 21.0 31.4



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: 12.510 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

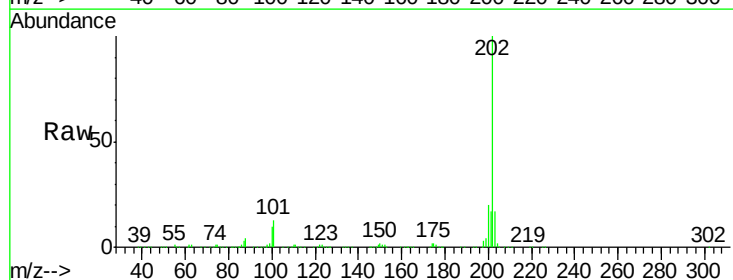
Tgt Ion:202 Resp: 261393

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

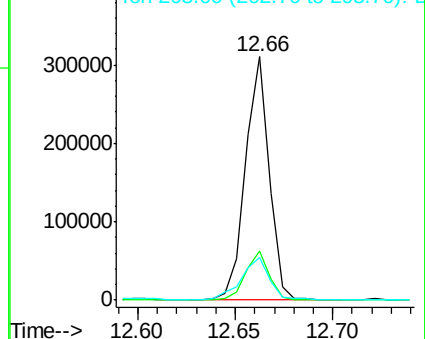
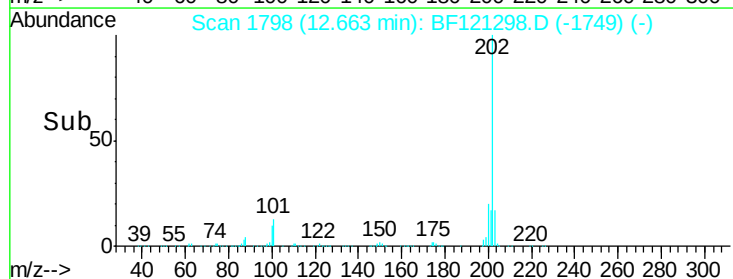
203 17.3 13.8 20.8

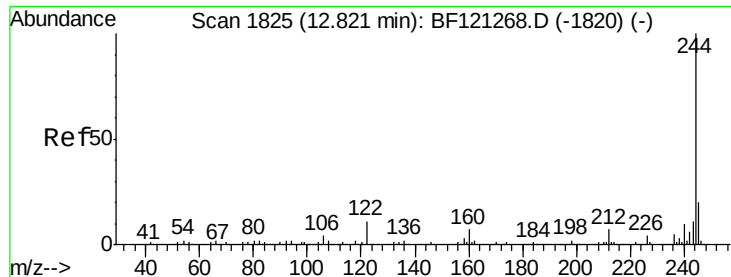


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 8.385 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.02 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

ClientSampled :

TP-1

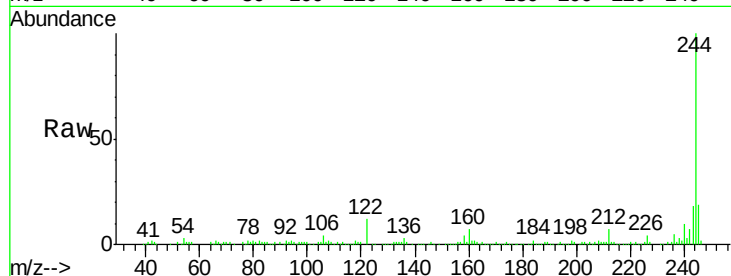
Tot Ion:244 Resp: 120695

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

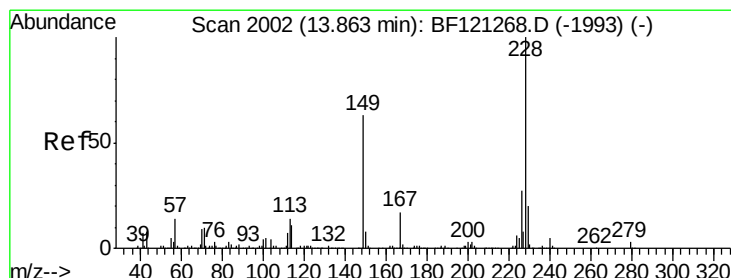
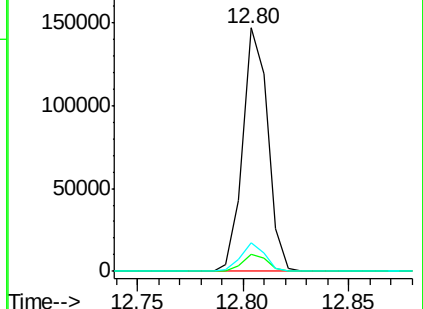
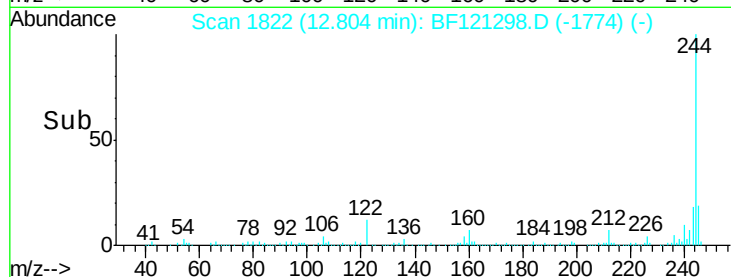
122 11.7 9.1 13.7



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: 6.635 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

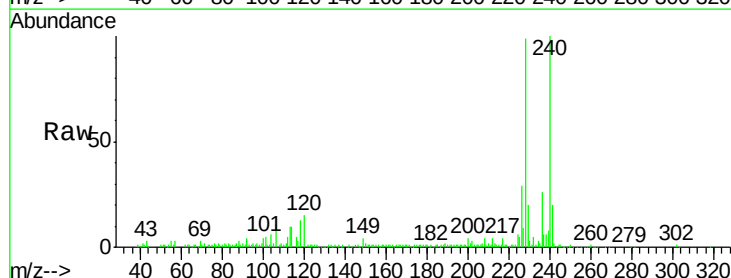
Tgt Ion:228 Resp: 126261

Ion Ratio Lower Upper

228 100

226 29.4 22.0 33.0

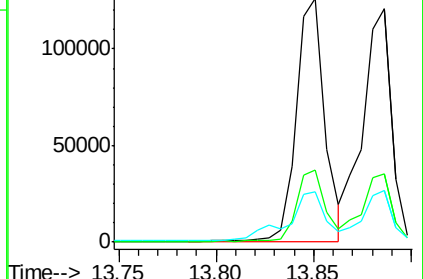
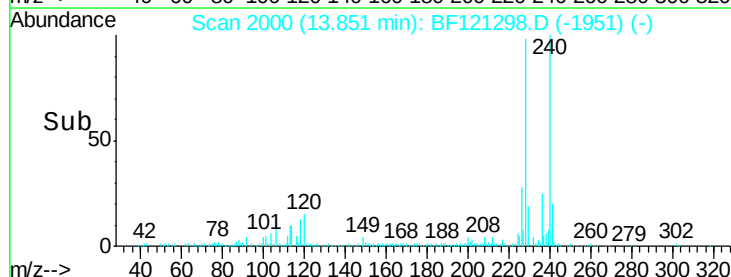
229 20.7 16.0 24.0

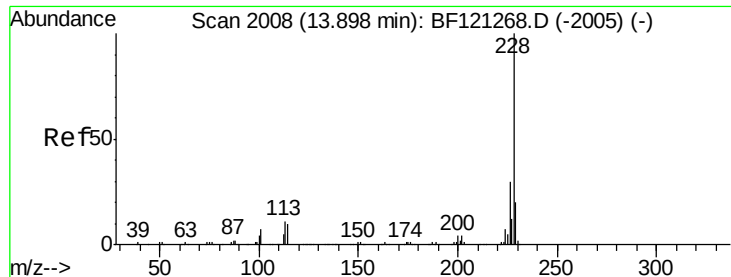


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

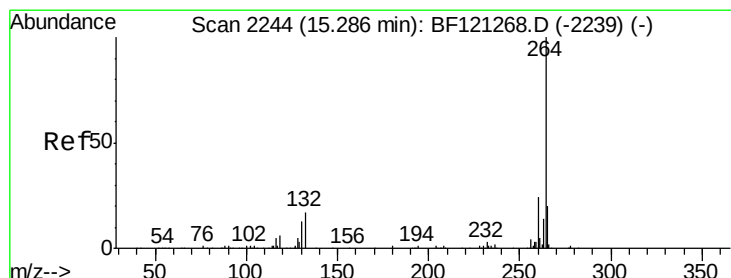
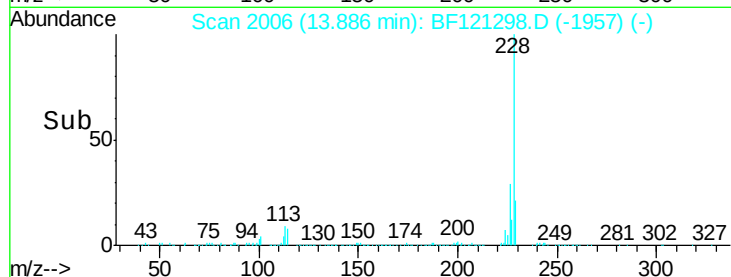
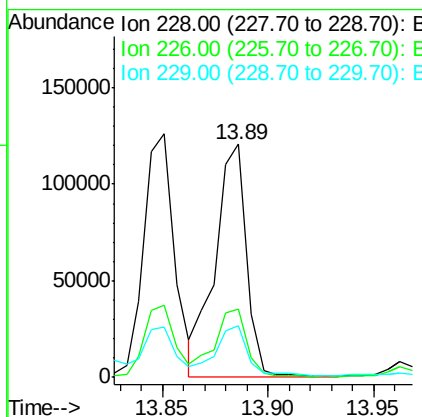
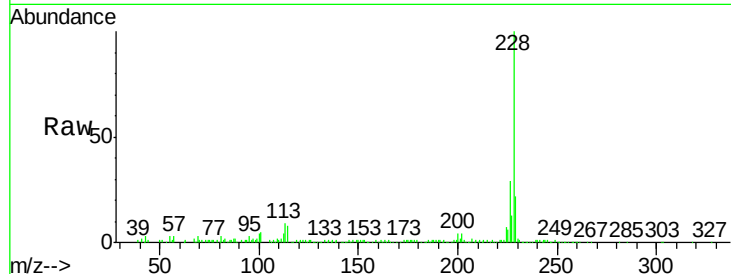




#83
Chrysene
Concen: 6.367 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

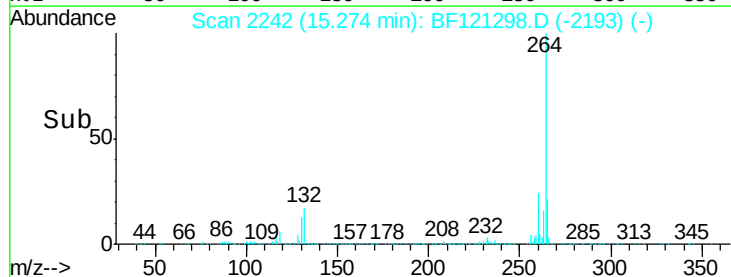
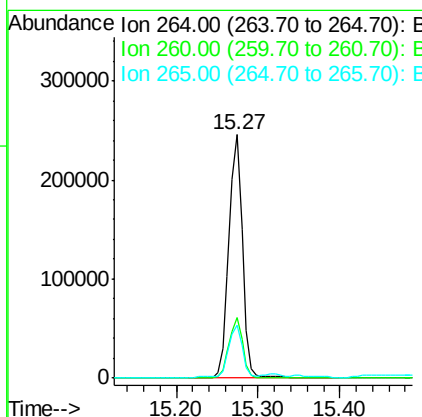
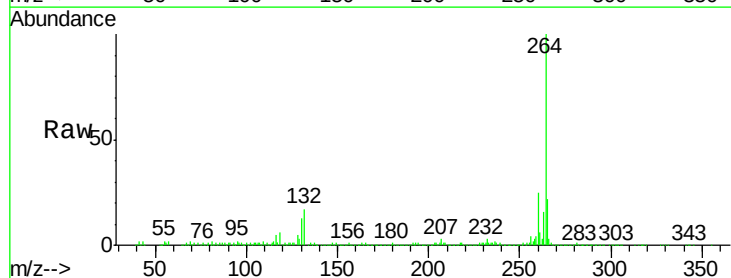
Instrument :
BNA_F
ClientSampleId :
TP-1

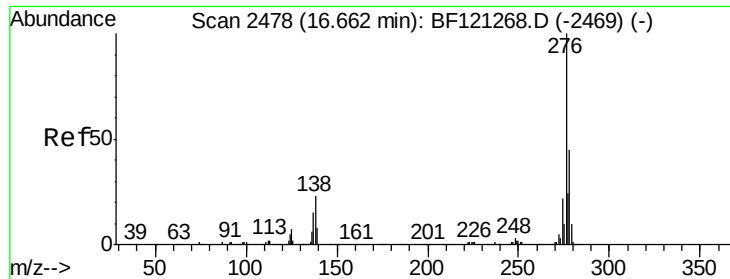
Tot Ion:228 Resp: 123717
Ion Ratio Lower Upper
228 100
226 29.2 24.8 37.2
229 22.0 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion:264 Resp: 283361
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.5 17.1 25.7

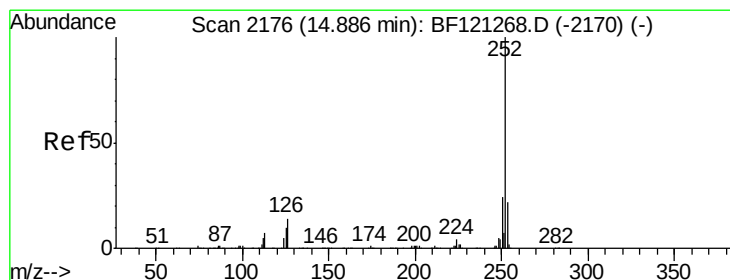
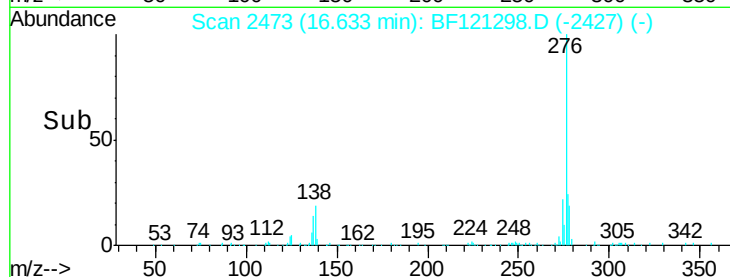
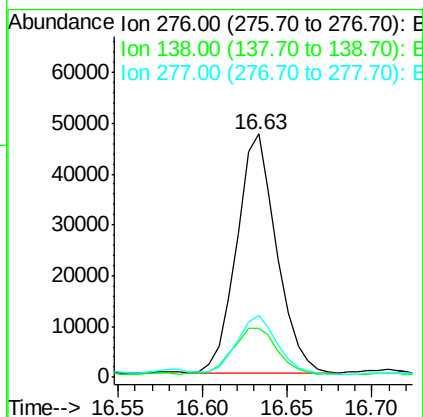
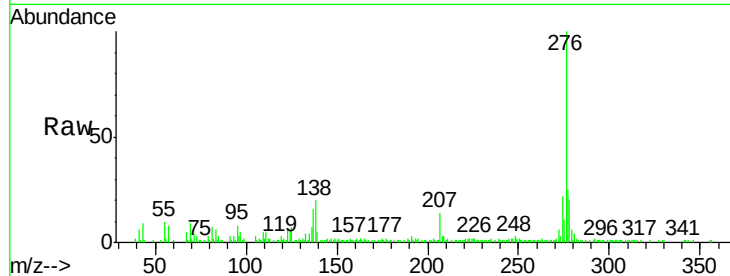




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.673 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.03 min
 Lab File: BF121298.D
 Acq: 14 Aug 2020 21:57

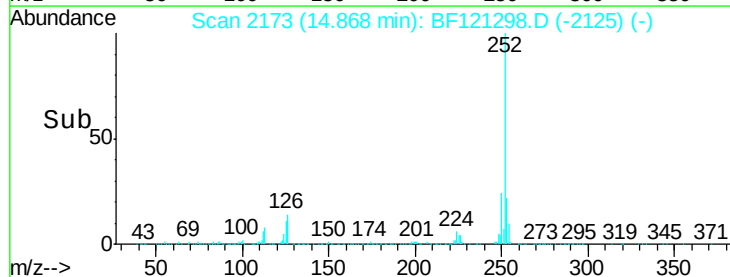
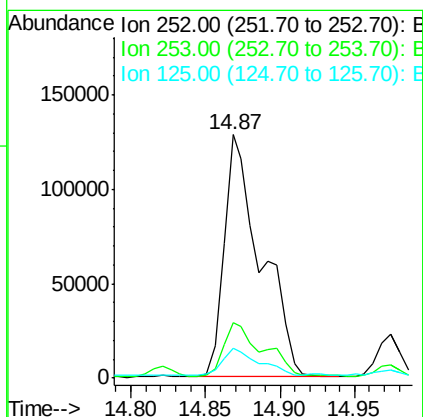
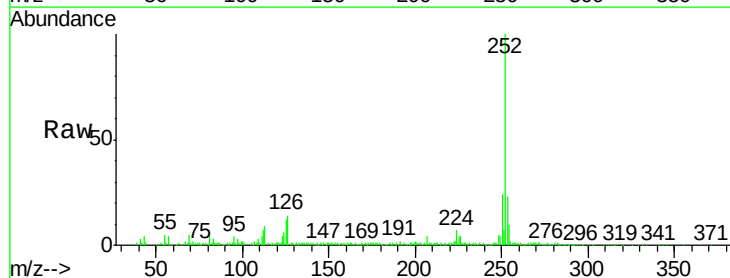
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

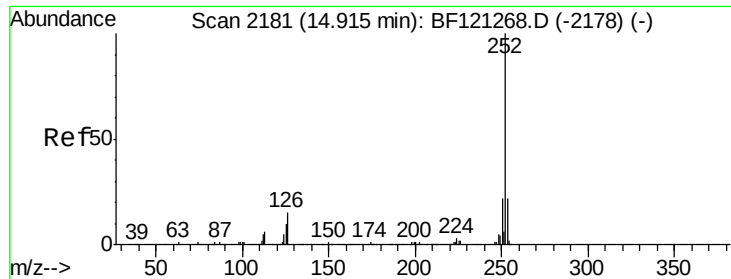
Tot Ion:276 Resp: 77371
 Ion Ratio Lower Upper
 276 100
 138 21.9 19.6 29.4
 277 25.0 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 11.660 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.02 min
 Lab File: BF121298.D
 Acq: 14 Aug 2020 21:57

Tgt Ion:252 Resp: 221387
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.9 26.9
 125 12.2 7.6 11.4#

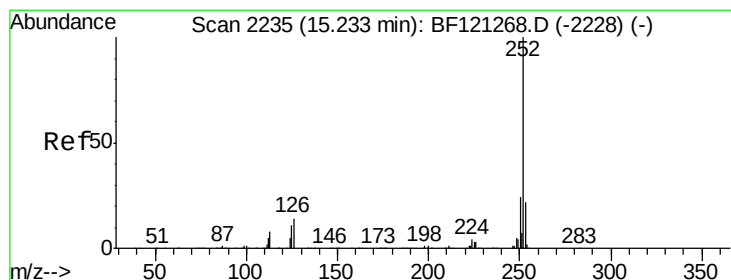
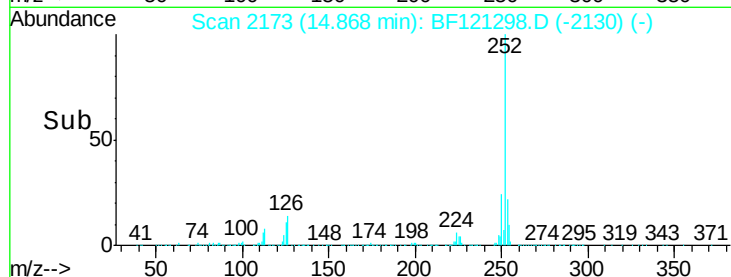
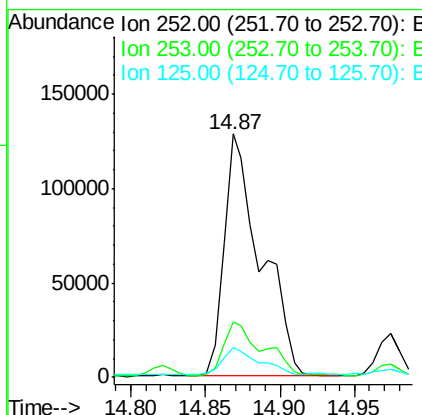
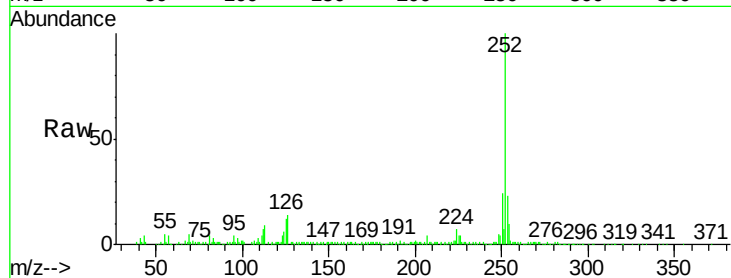




#89
Benzo(k)fluoranthene
Concen: 12.557 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

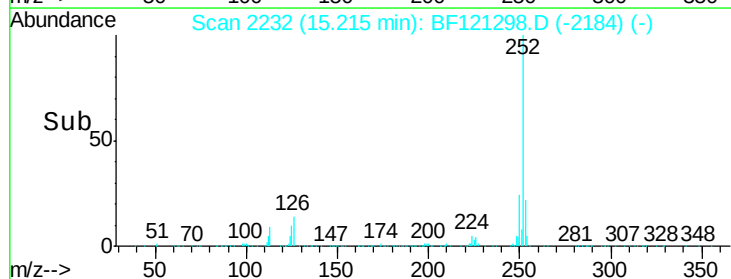
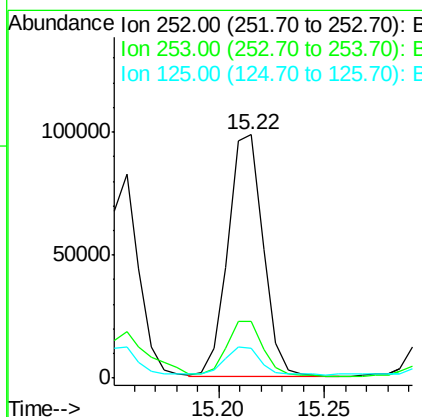
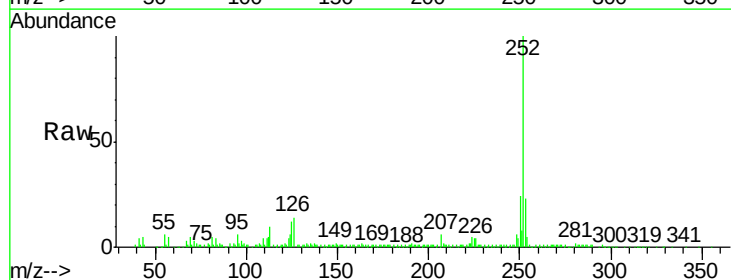
Instrument :
BNA_F
ClientSampleId :
TP-1

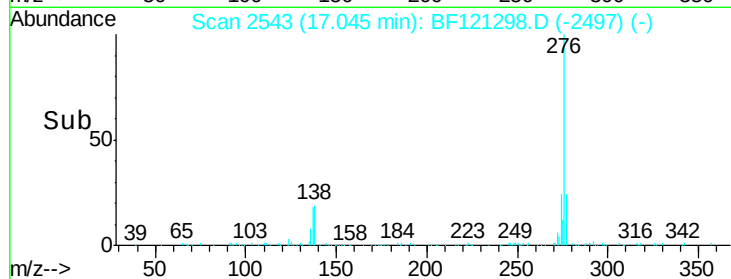
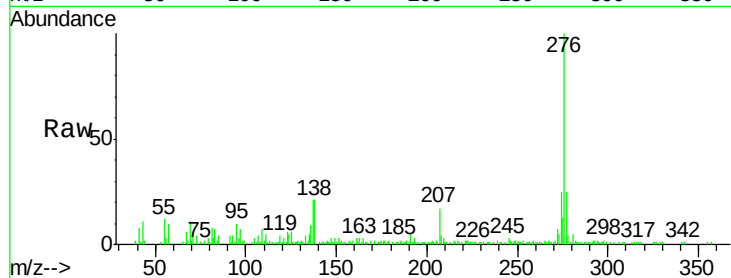
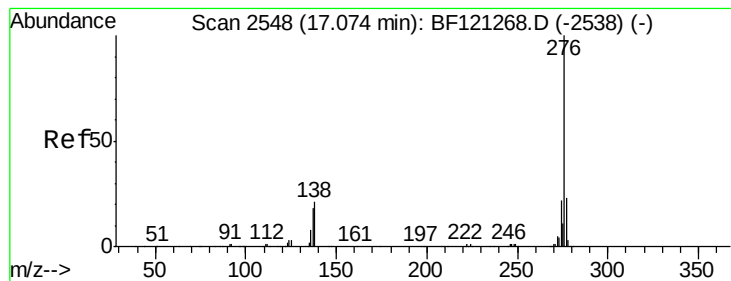
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.2	8.8	13.2



#90
Benzo(a)pyrene
Concen: 6.579 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF121298.D
Acq: 14 Aug 2020 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.0	9.3	13.9





#92

Benzo(a,h,i)perylene

Concen: 4.142 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.03 min

Lab File: BF121298.D

Acq: 14 Aug 2020 21:57

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:276 Resp: 73783

Ion Ratio Lower Upper

276 100

277 25.0 19.1 28.7

138 21.4 16.2 24.2

