

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
 Data File : BF122715.D
 Acq On : 14 Dec 2020 20:02
 Operator : JU/CG
 Sample : L5035-05DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPDL

Quant Time: Dec 14 23:54:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

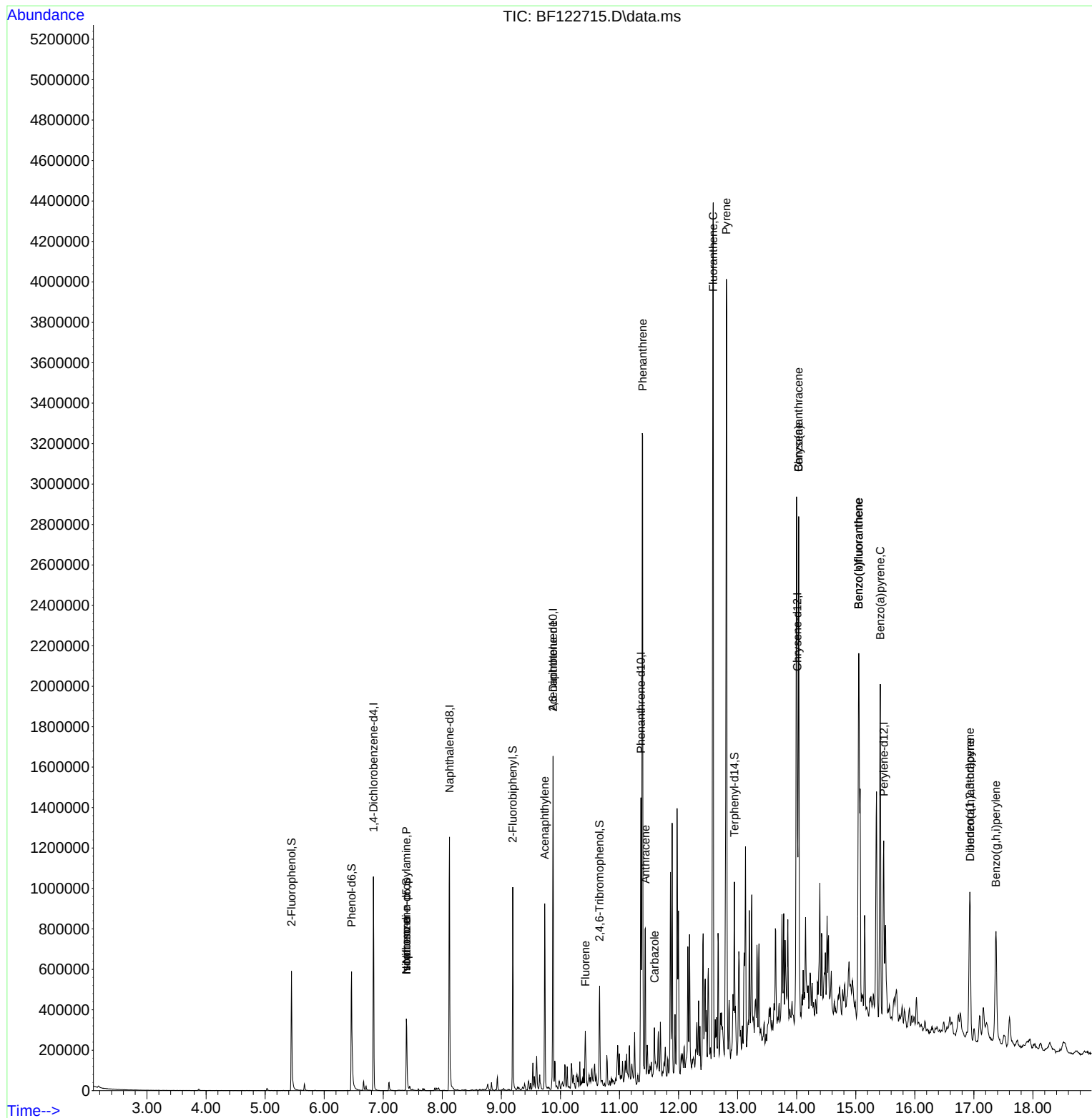
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	156935	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	608834	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	317264	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	532853	20.00	ng	0.00
76) Chrysene-d12	14.010	240	364884	20.00	ng	0.00
86) Perylene-d12	15.474	264	397413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	198734	20.05	ng	-0.01
7) Phenol-d6	6.463	99	264487	20.12	ng	-0.02
23) Nitrobenzene-d5	7.392	82	139949	11.52	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	55631	13.40	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	300460	12.81	ng	-0.01
79) Terphenyl-d14	12.945	244	238495	11.44	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	18034	2.39	ng	# 80
25) Isophorone	7.392	82	139947	6.69	ng	# 65
49) Acenaphthylene	9.733	152	375151	11.64	ng	98
51) 2,6-Dinitrotoluene	9.875	165	42406	7.92	ng	# 31
58) Fluorene	10.422	166	84203	3.61	ng	99
71) Phenanthrene	11.392	178	1379904	43.58	ng	99
72) Anthracene	11.439	178	303788	9.67	ng	98
73) Carbazole	11.592	167	85174	2.99	ng	100
75) Fluoranthene	12.586	202	1944627	58.56	ng	99
78) Pyrene	12.810	202	1837818	65.14	ng	100
81) Benzo(a)anthracene	14.033	228	948377	38.89	ng	96
83) Chrysene	14.033	228	948377	39.08	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	502296	19.25	ng	95
88) Benzo(b)fluoranthene	15.051	252	1499078	53.76	ng	99
89) Benzo(k)fluoranthene	15.051	252	1499078	58.80	ng	99
90) Benzo(a)pyrene	15.415	252	787014	32.26	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	130058	6.09	ng	95
92) Benzo(g,h,i)perylene	17.374	276	453146	21.93	ng	99

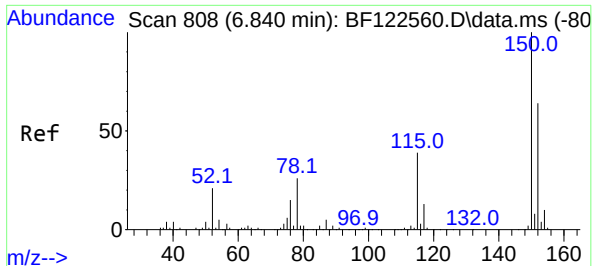
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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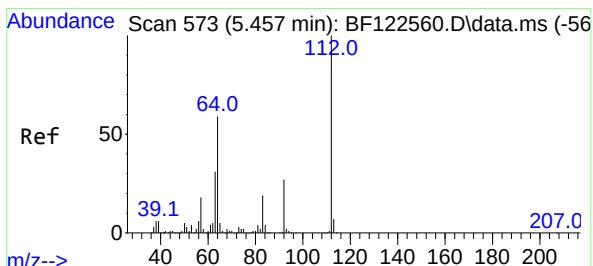
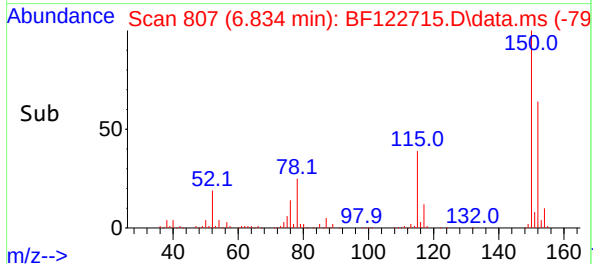
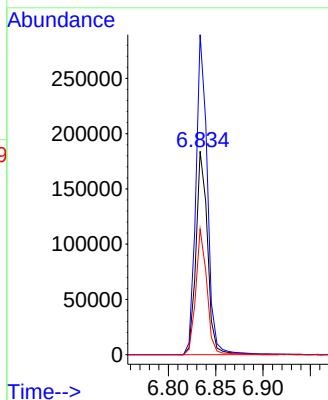
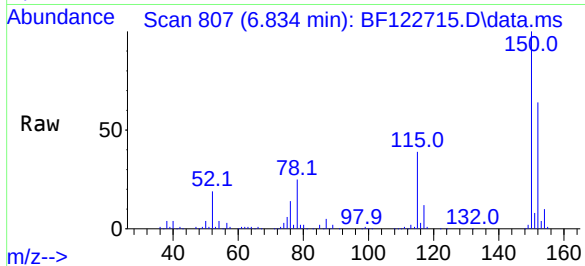




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

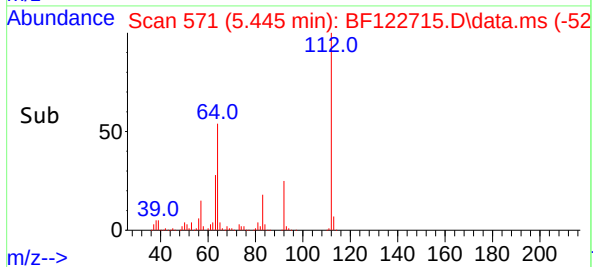
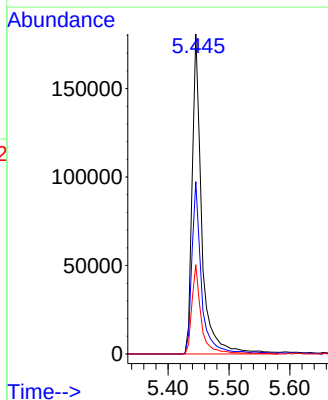
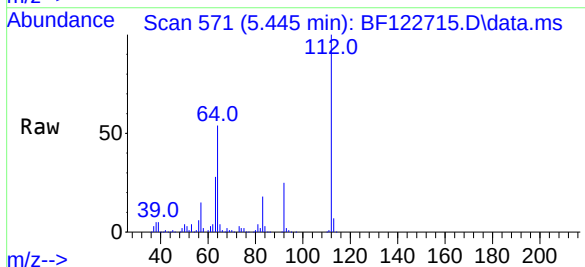
Instrument :
BNA_F
ClientSampleId :
DUPDL

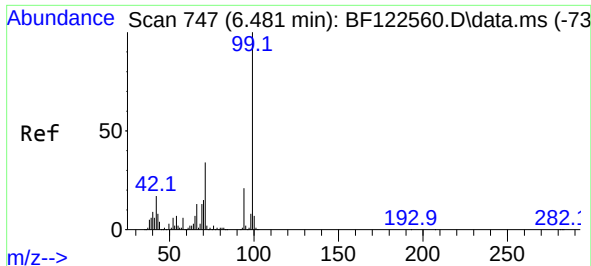
Tgt Ion:152 Resp: 156935
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.6
115 61.7 49.3 73.9



#5
2-Fluorophenol
Concen: 20.05 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.012 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:112 Resp: 198734
Ion Ratio Lower Upper
112 100
64 53.9 46.9 70.3
63 27.9 24.5 36.7

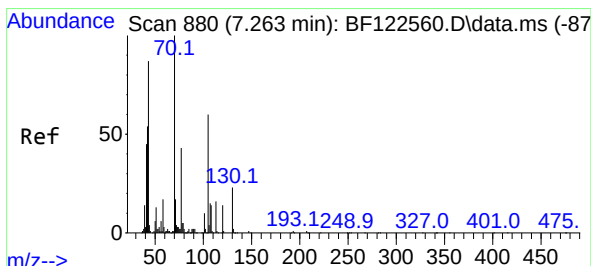
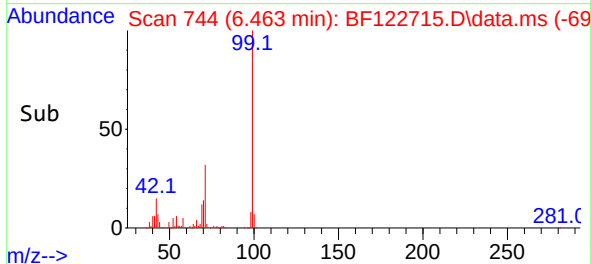
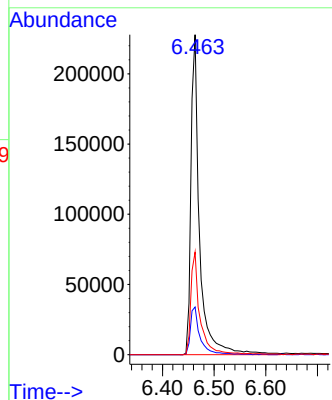
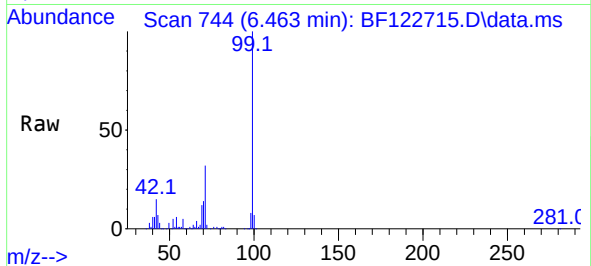




#7
Phenol-d6
Concen: 20.12 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

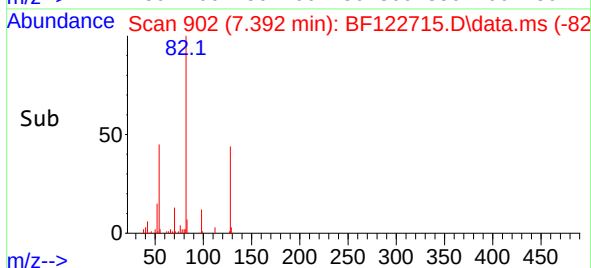
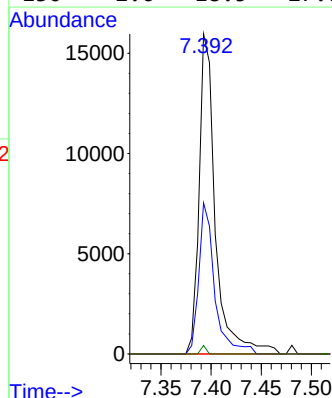
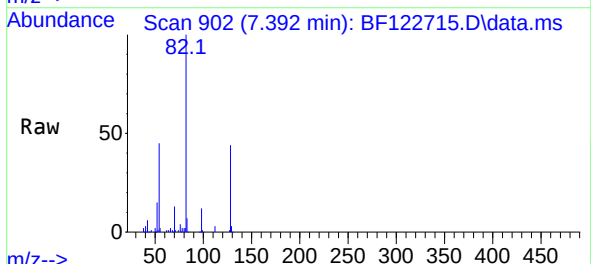
Instrument :
BNA_F
ClientSampleId :
DUPDL

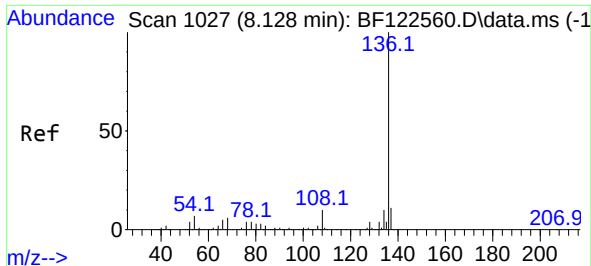
Tgt Ion: 99 Resp: 264487
Ion Ratio Lower Upper
99 100
42 14.9 13.8 20.6
71 32.1 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 2.39 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.129 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion: 70 Resp: 18034
Ion Ratio Lower Upper
70 100
42 47.2 43.0 64.4
101 0.0 7.9 11.9#
130 2.6 18.5 27.7#



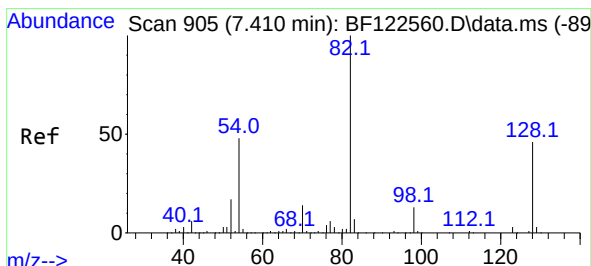
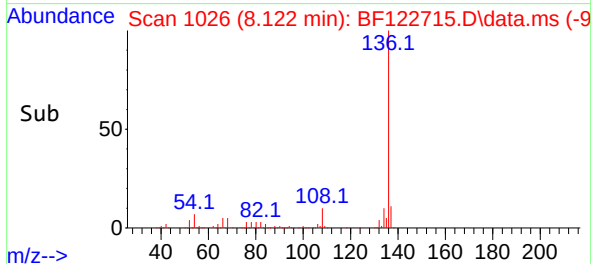
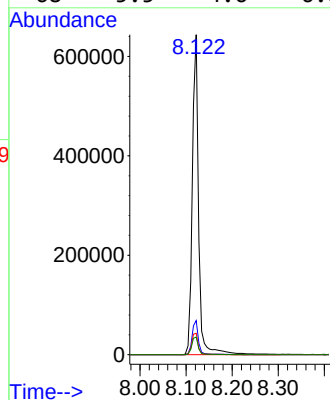
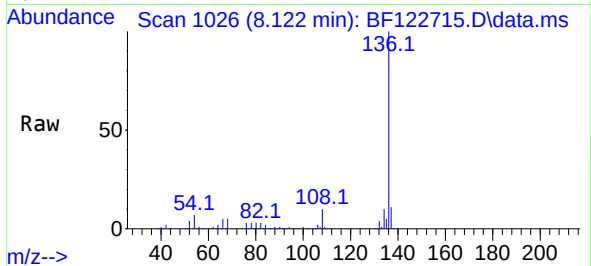


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Instrument :
BNA_F
ClientSampleId :
DUPDL

Tgt Ion:136 Resp: 608834

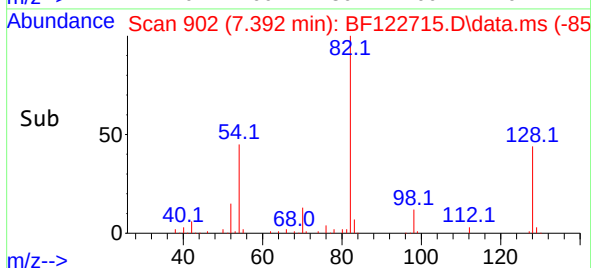
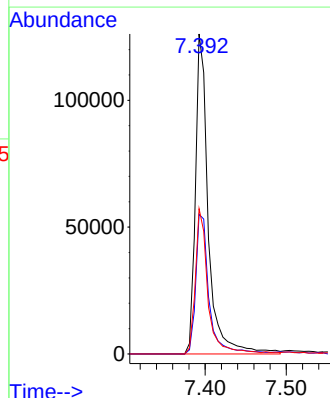
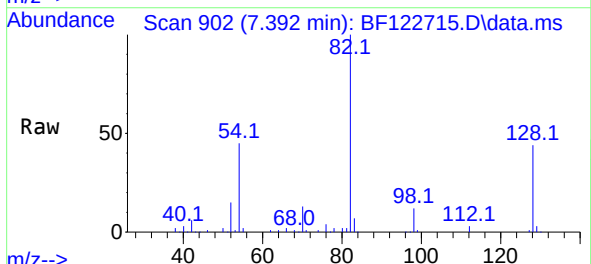
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.7	5.5	8.3
68	5.5	4.6	6.8

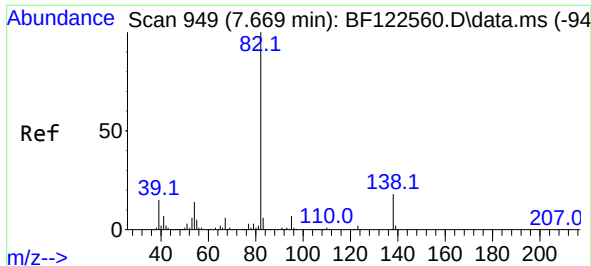


#23
Nitrobenzene-d5
Concen: 11.52 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion: 82 Resp: 139949

Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.4
54	45.4	38.4	57.6

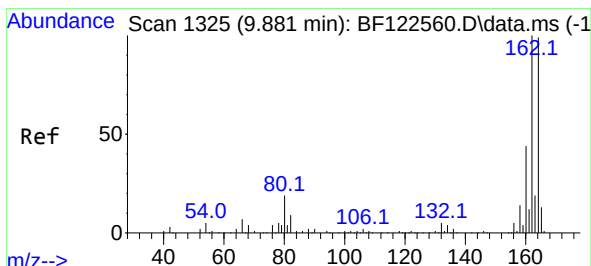
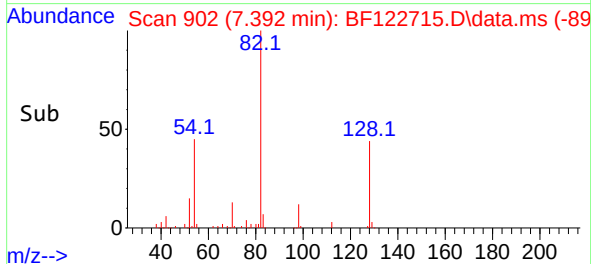
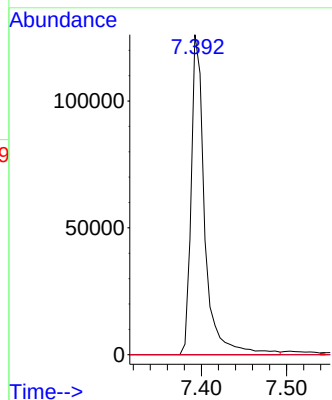
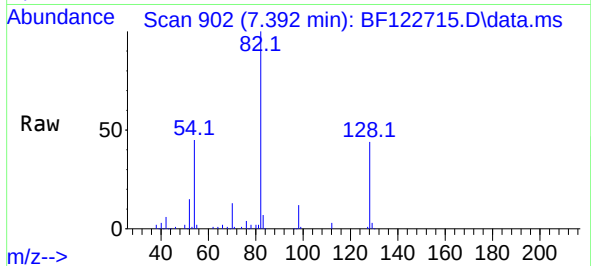




#25
Isophorone
Concen: 6.69 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.277 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

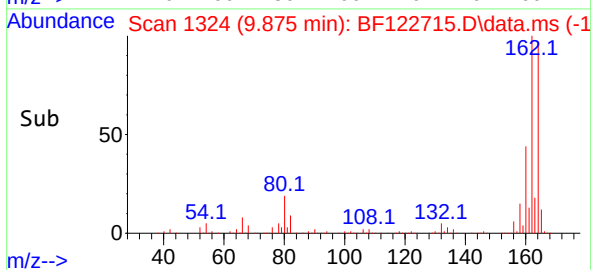
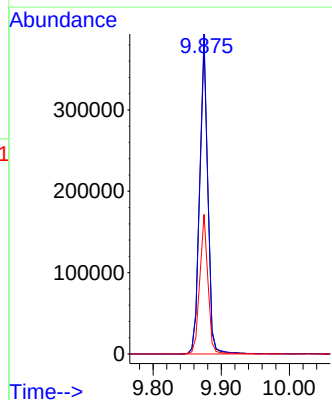
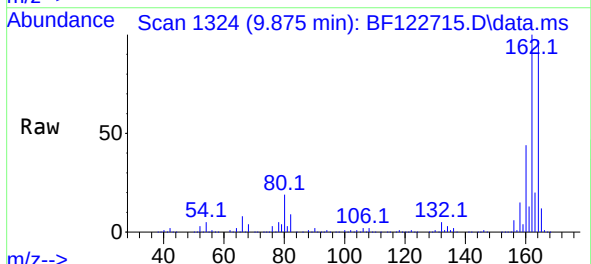
Instrument :
BNA_F
ClientSampleId :
DUPDL

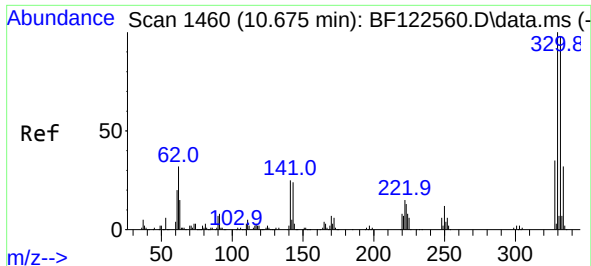
Tgt Ion: 82 Resp: 139947
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

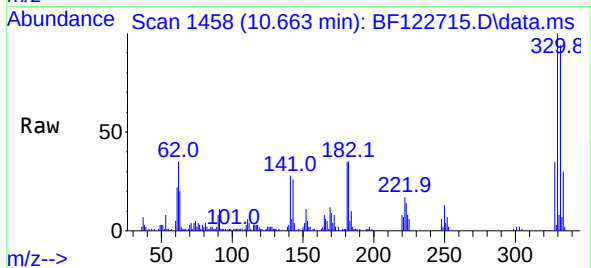
Tgt Ion: 164 Resp: 317264
Ion Ratio Lower Upper
164 100
162 103.2 80.8 121.2
160 45.0 35.4 53.0



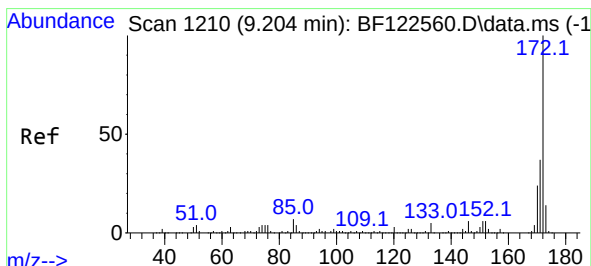
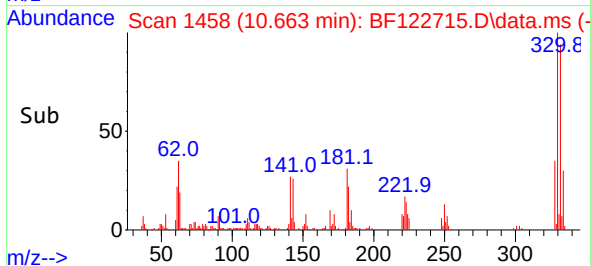
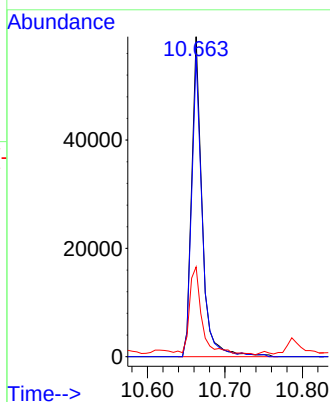


#42
2,4,6-Tribromophenol
Concen: 13.40 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

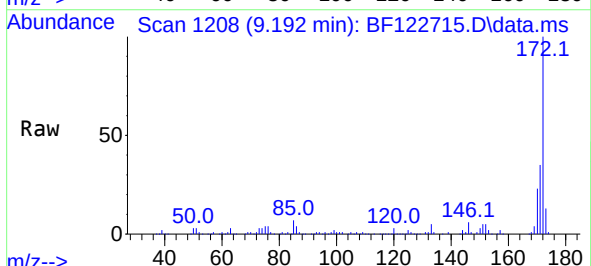
Instrument :
BNA_F
ClientSampleId :
DUPDL



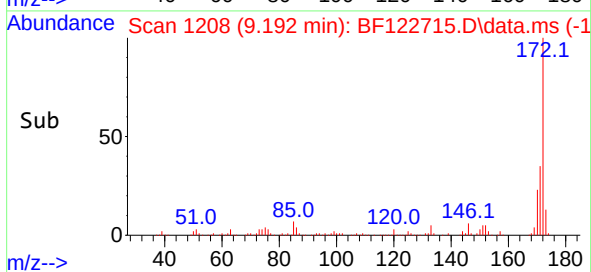
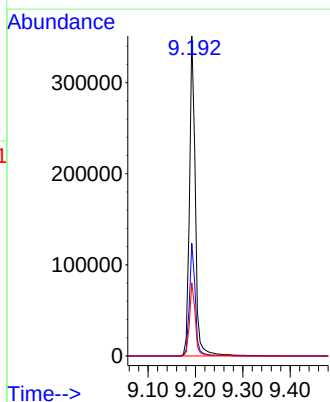
Tgt Ion:330 Resp: 55631
Ion Ratio Lower Upper
330 100
332 95.2 77.5 116.3
141 33.8 23.8 35.8

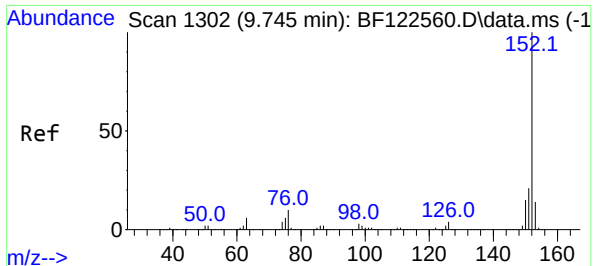


#45
2-Fluorobiphenyl
Concen: 12.81 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02



Tgt Ion:172 Resp: 300460
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 22.9 19.5 29.3





#49

Acenaphthylene

Concen: 11.64 ng

RT: 9.733 min Scan# 1300

Delta R.T. -0.012 min

Lab File: BF122715.D

Acq: 14 Dec 2020 20:02

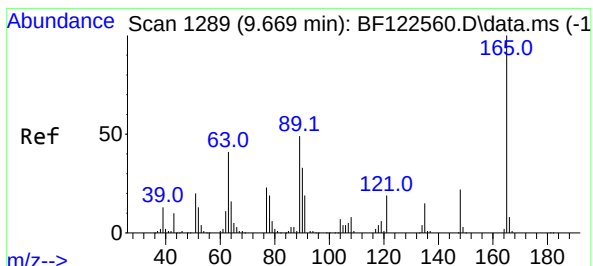
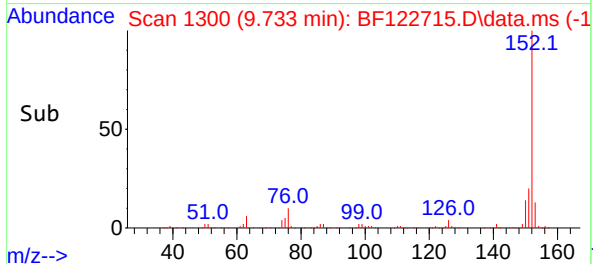
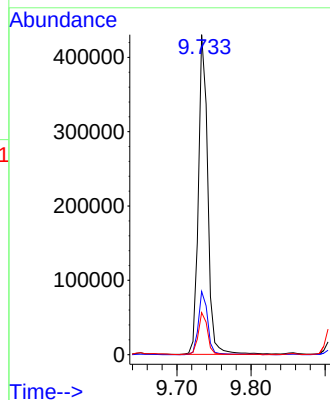
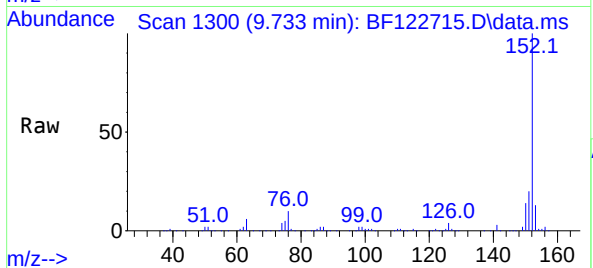
Tgt Ion:152 Resp: 375151

Ion Ratio Lower Upper

152 100

151 19.7 16.6 25.0

153 13.1 10.9 16.3



#51

2,6-Dinitrotoluene

Concen: 7.92 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.206 min

Lab File: BF122715.D

Acq: 14 Dec 2020 20:02

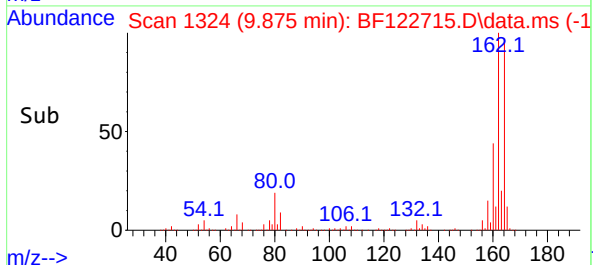
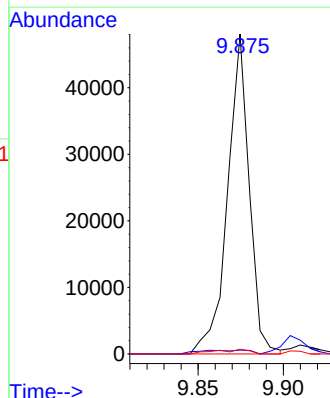
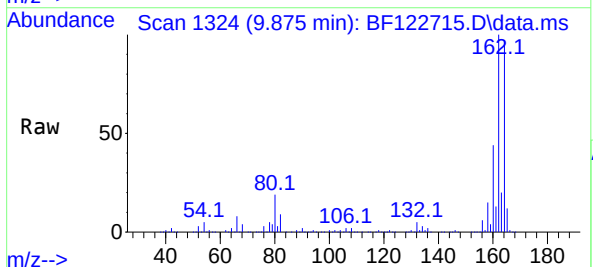
Tgt Ion:165 Resp: 42406

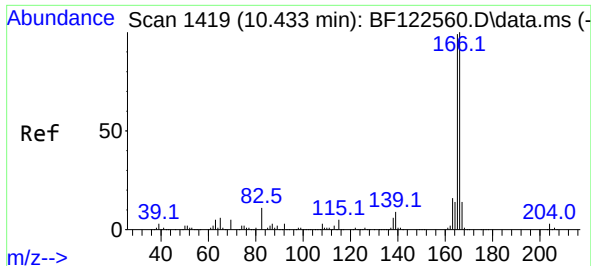
Ion Ratio Lower Upper

165 100

63 1.2 36.6 55.0#

89 1.5 39.4 59.0#

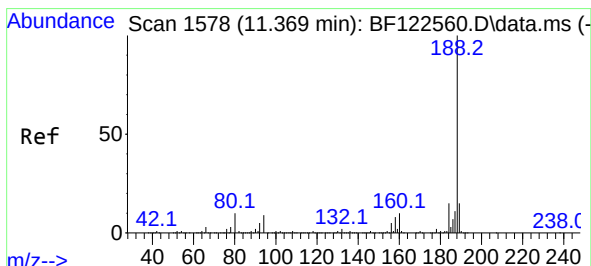
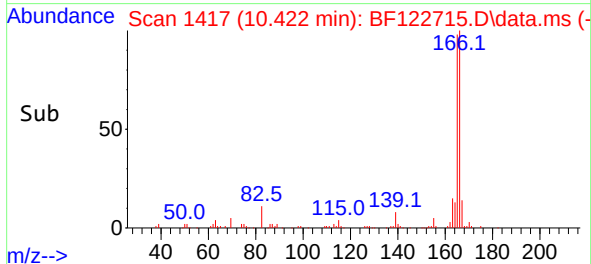
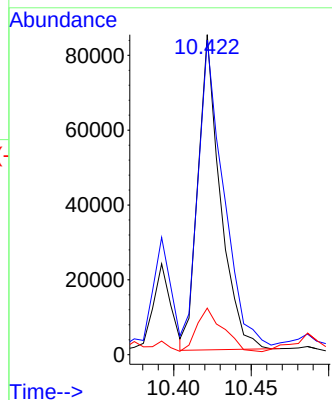
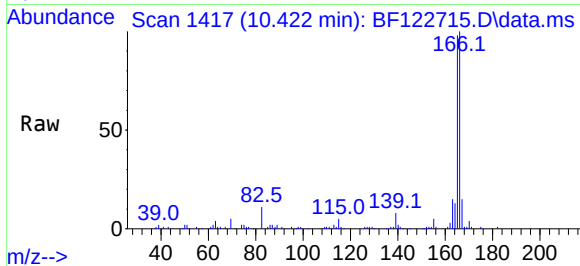




#58
Fluorene
Concen: 3.61 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

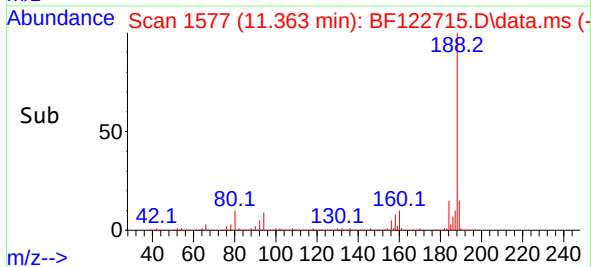
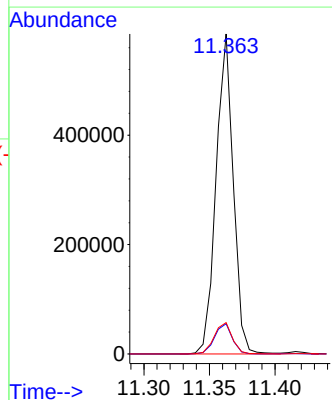
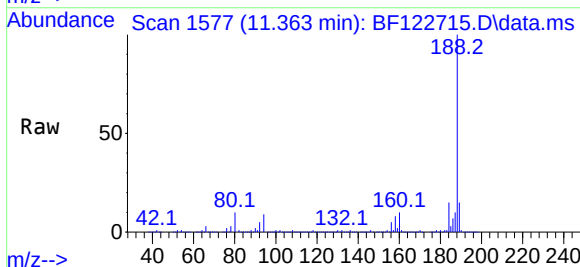
Instrument :
BNA_F
ClientSampleId :
DUPDL

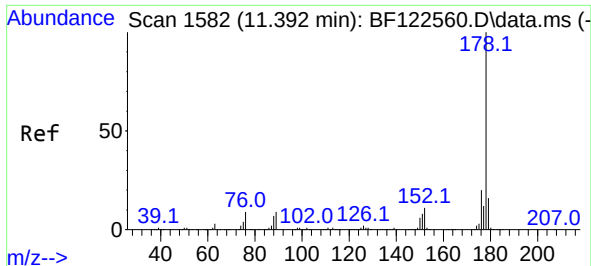
Tgt Ion:166 Resp: 84203
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 14.6 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:188 Resp: 532853
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 9.8 8.2 12.4

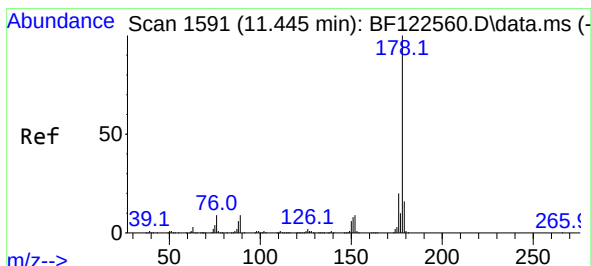
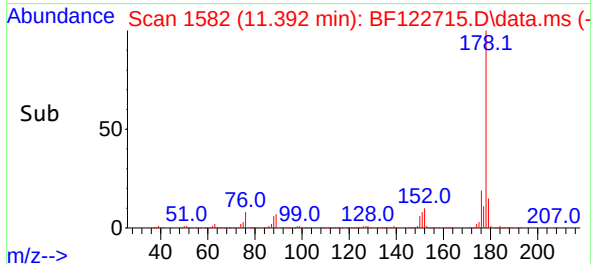
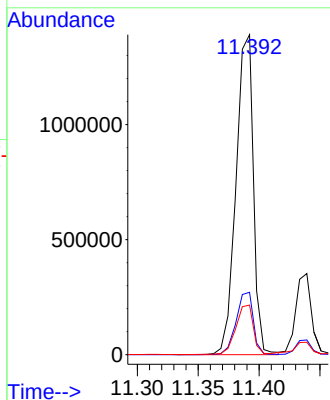
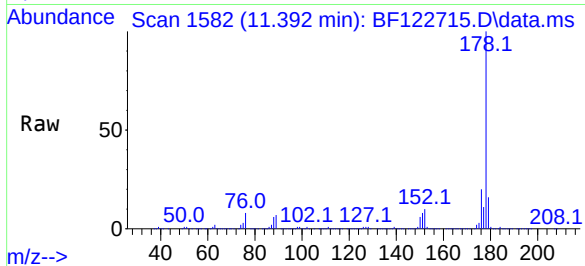




#71
Phenanthrene
Concen: 43.58 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

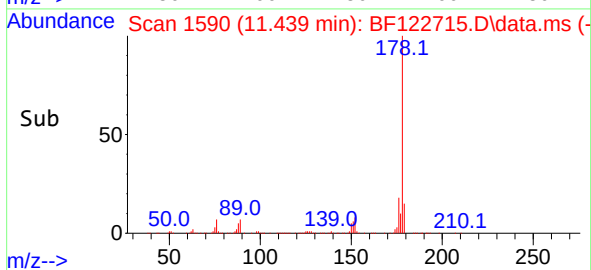
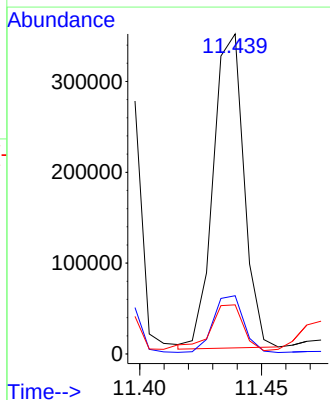
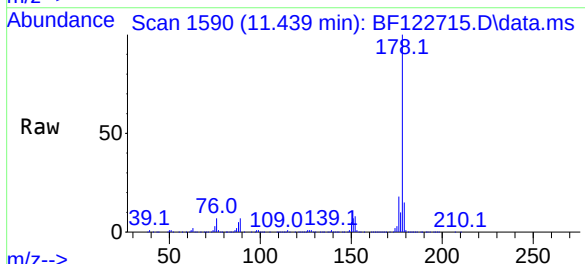
Instrument :
BNA_F
ClientSampleId :
DUPDL

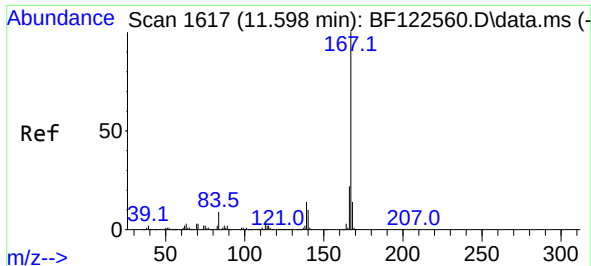
Tgt Ion:178 Resp: 1379904
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 15.5 12.7 19.1



#72
Anthracene
Concen: 9.67 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:178 Resp: 303788
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.4 12.8 19.2

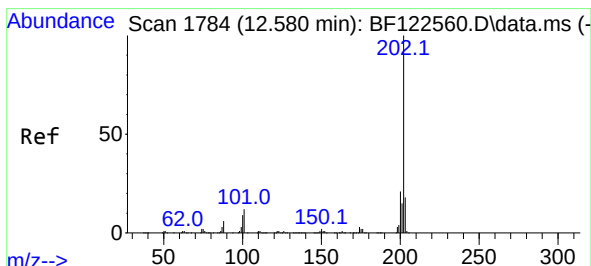
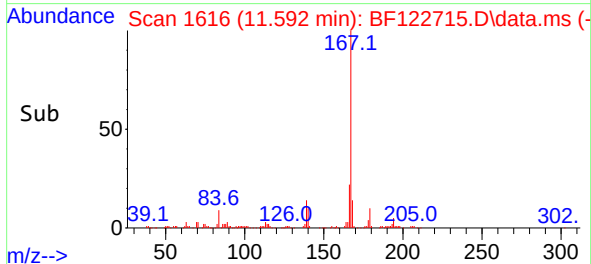
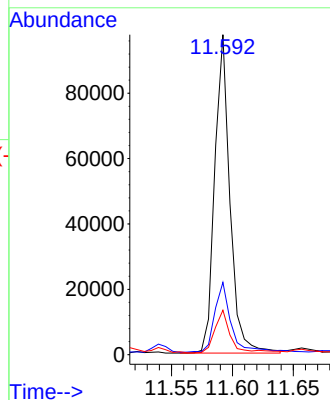
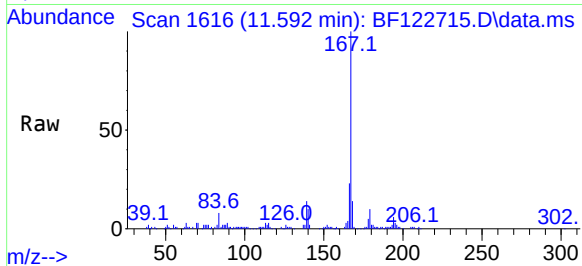




#73
 Carbazole
 Concen: 2.99 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF122715.D
 Acq: 14 Dec 2020 20:02

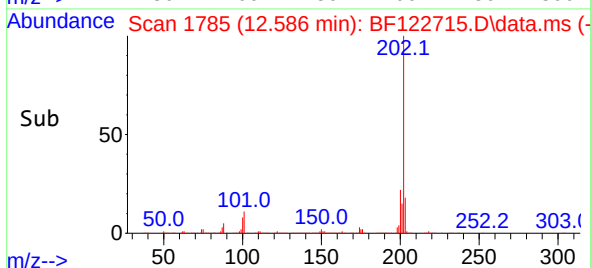
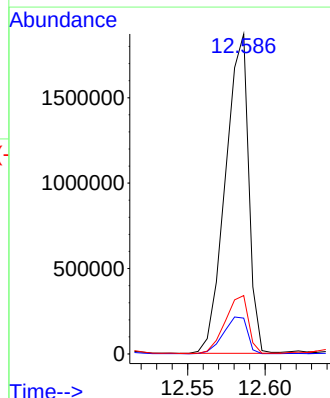
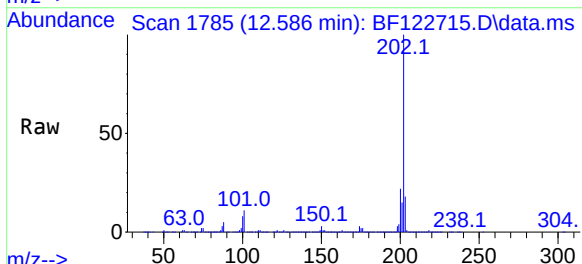
Instrument :
 BNA_F
 ClientSampleId :
 DUPDL

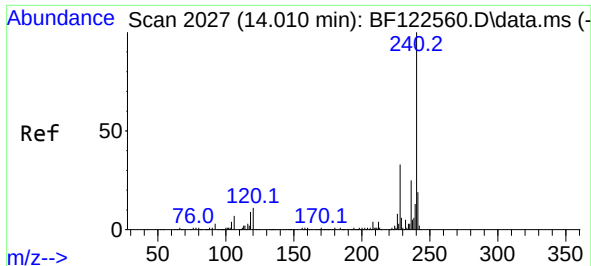
Tgt Ion:167	Resp:	85174
Ion Ratio	Lower	Upper
167	100	
166	22.6	18.0 27.0
139	13.9	10.9 16.3



#75
 Fluoranthene
 Concen: 58.56 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. 0.006 min
 Lab File: BF122715.D
 Acq: 14 Dec 2020 20:02

Tgt Ion:202	Resp:	1944627
Ion Ratio	Lower	Upper
202	100	
101	11.2	0.0 32.2
203	18.3	0.0 38.1

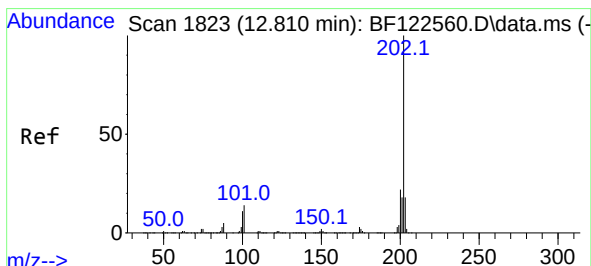
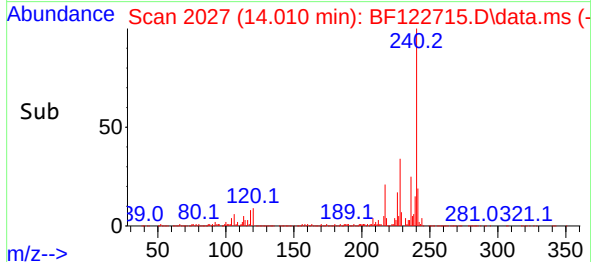
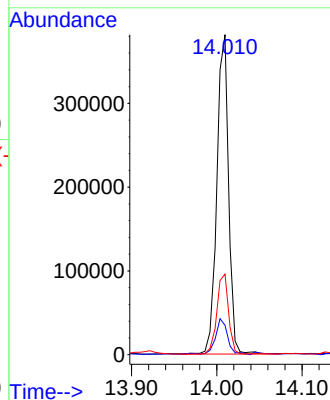
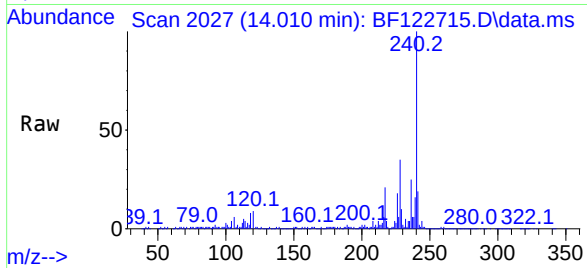




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

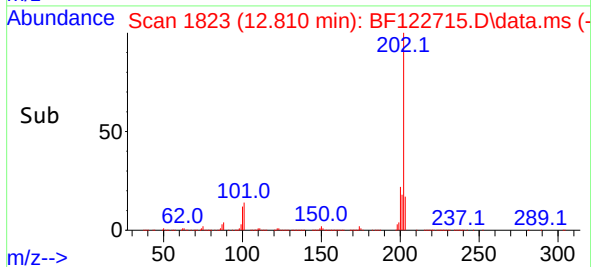
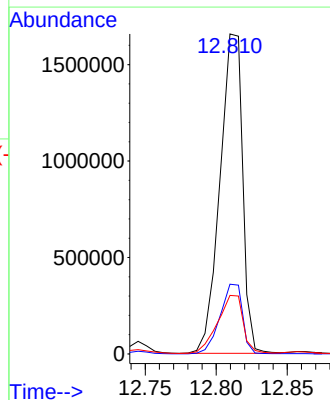
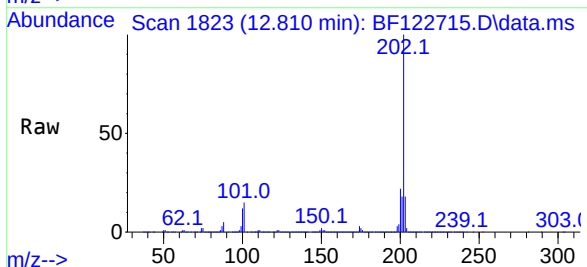
Instrument :
BNA_F
ClientSampleId :
DUPDL

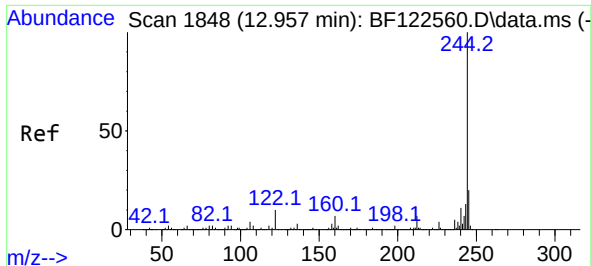
Tgt Ion:240 Resp: 364884
Ion Ratio Lower Upper
240 100
120 9.2 8.6 12.8
236 25.2 20.3 30.5



#78
Pyrene
Concen: 65.14 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:202 Resp: 1837818
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 18.3 14.6 21.8



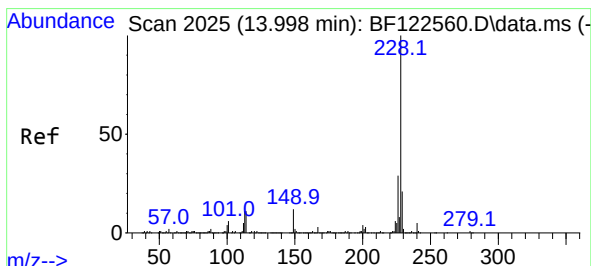
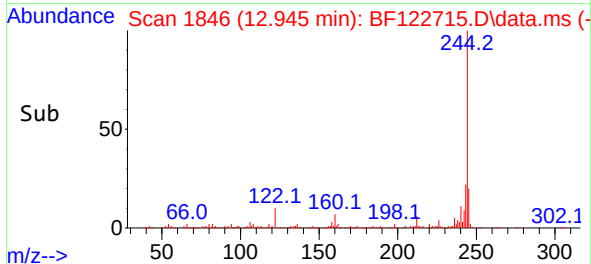
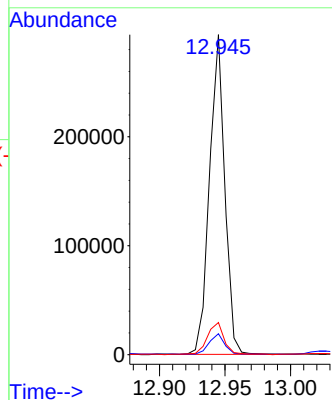
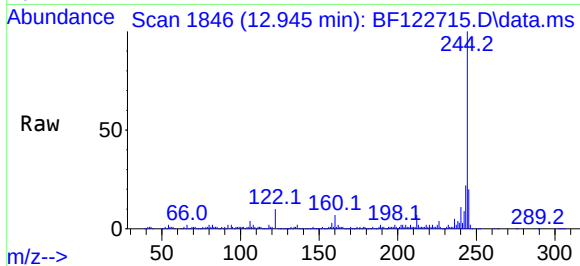


#79
 Terphenyl-d14
 Concen: 11.44 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF122715.D
 Acq: 14 Dec 2020 20:02

Instrument :
 BNA_F
 ClientSampleId :
 DUPDL

Tgt Ion:244 Resp: 238495

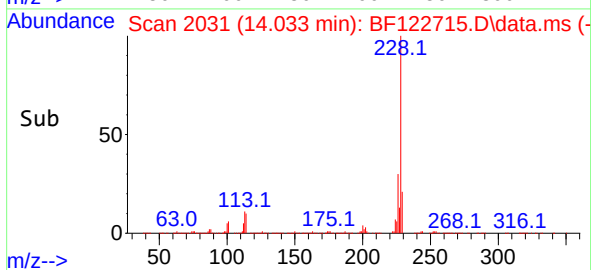
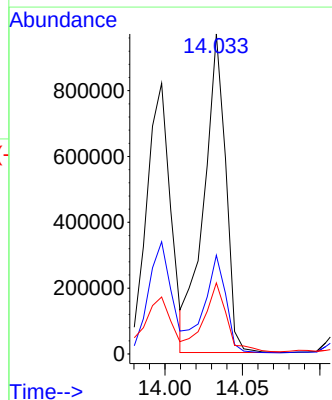
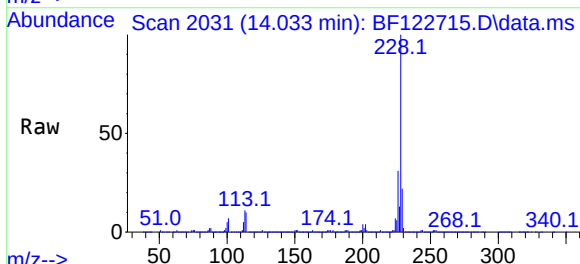
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.0	8.3	12.5

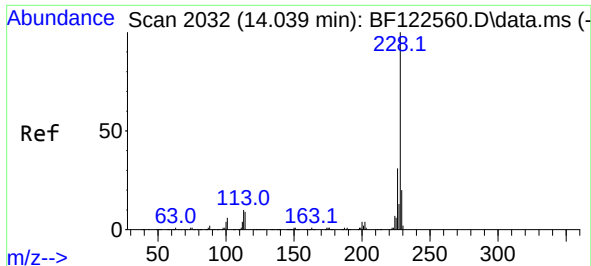


#81
 Benzo(a)anthracene
 Concen: 38.89 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.035 min
 Lab File: BF122715.D
 Acq: 14 Dec 2020 20:02

Tgt Ion:228 Resp: 948377

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.4
229	22.2	16.6	24.8



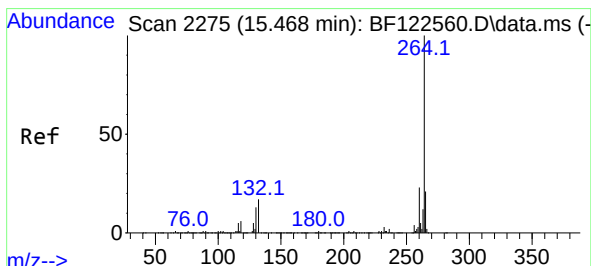
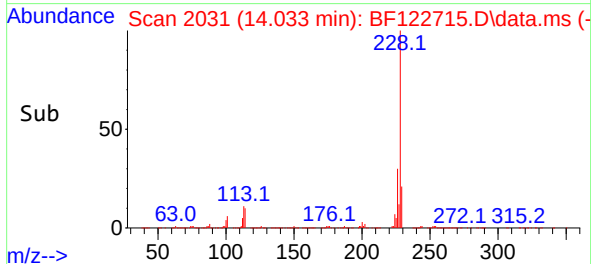
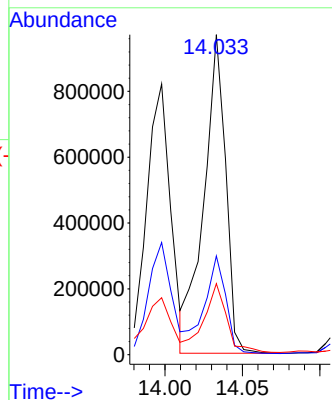
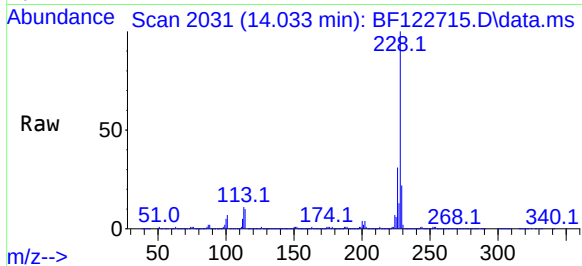


#83
Chrysene
Concen: 39.08 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Instrument :
BNA_F
ClientSampleId :
DUPDL

Tgt Ion:228 Resp: 948377

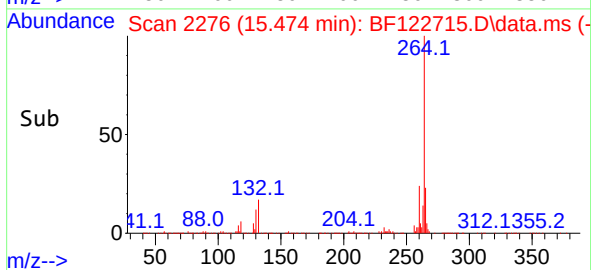
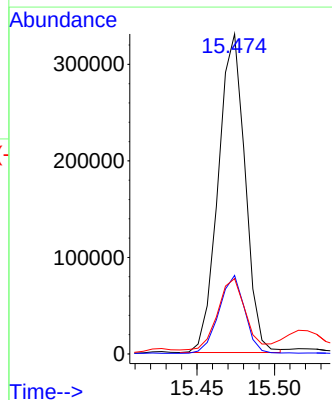
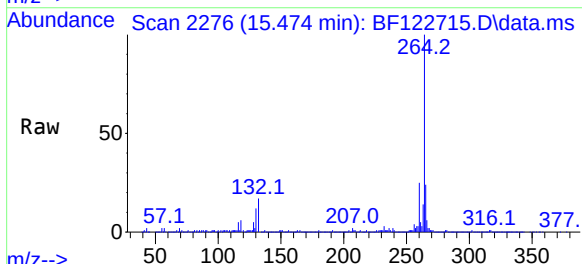
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	36.8
229	22.2	15.8	23.6

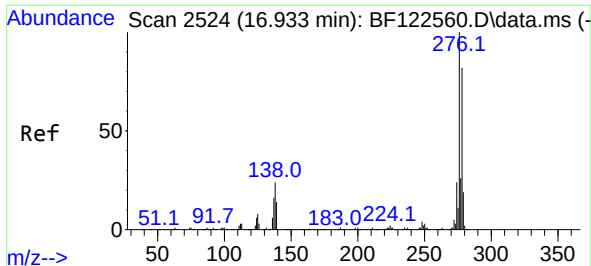


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:264 Resp: 397413

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	23.6	17.0	25.6

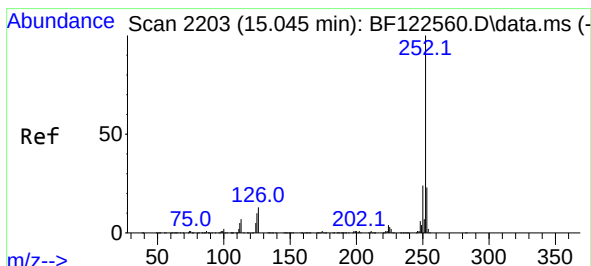
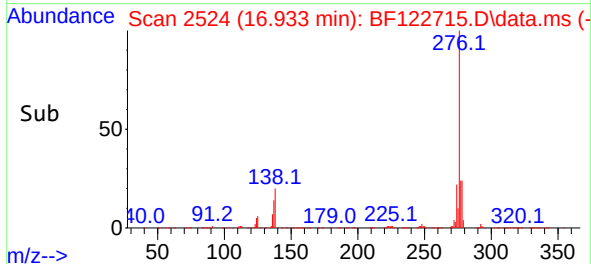
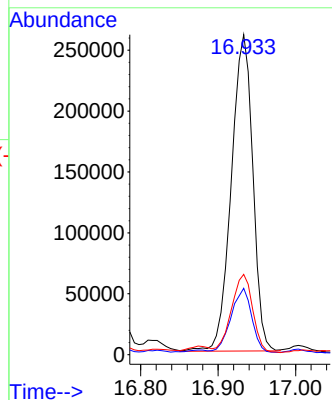
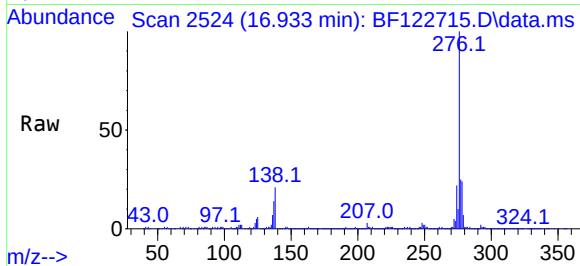




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.25 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

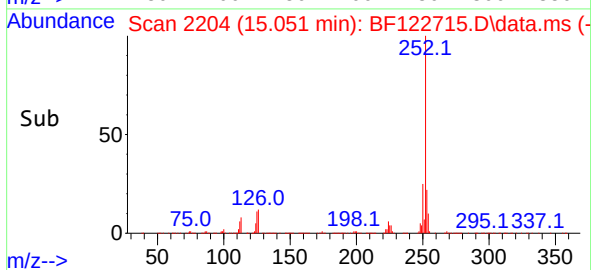
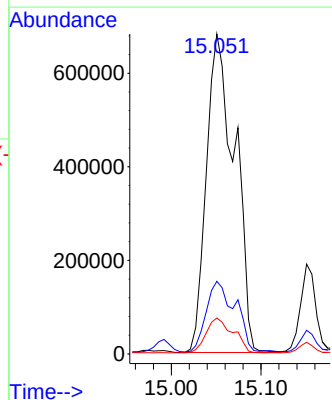
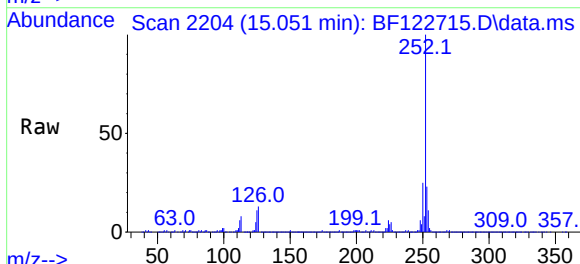
Instrument :
BNA_F
ClientSampleId :
DUPDL

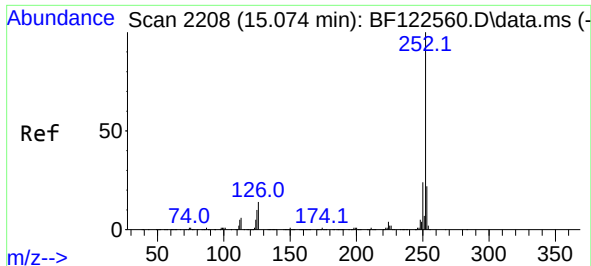
Tgt Ion:276 Resp: 502296
Ion Ratio Lower Upper
276 100
138 19.5 18.7 28.1
277 24.5 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 53.76 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:252 Resp: 1499078
Ion Ratio Lower Upper
252 100
253 22.7 18.3 27.5
125 11.3 8.1 12.1

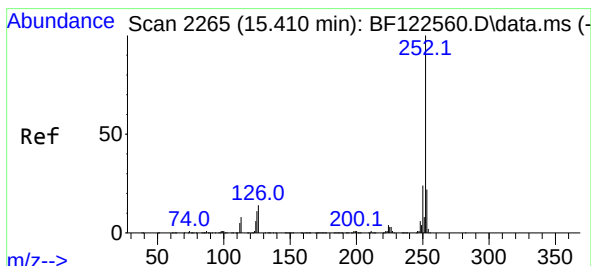
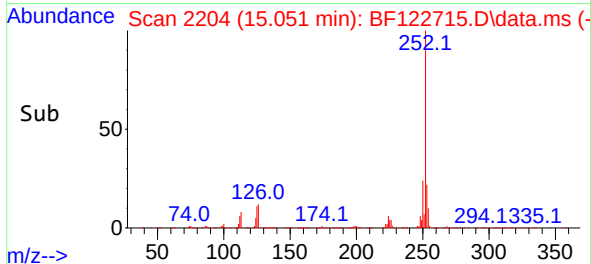
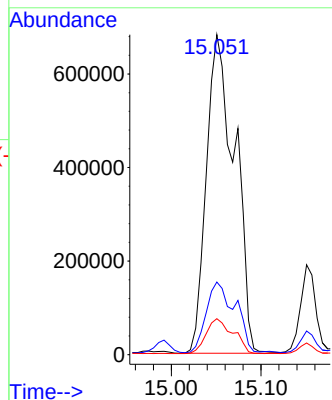
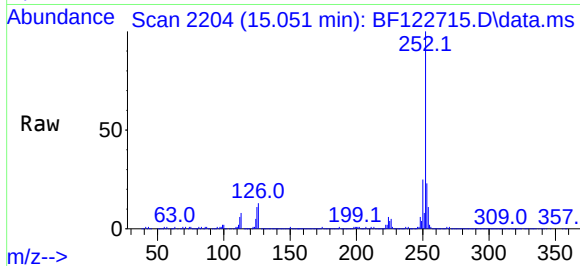




#89
Benzo(k)fluoranthene
Concen: 58.80 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.024 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

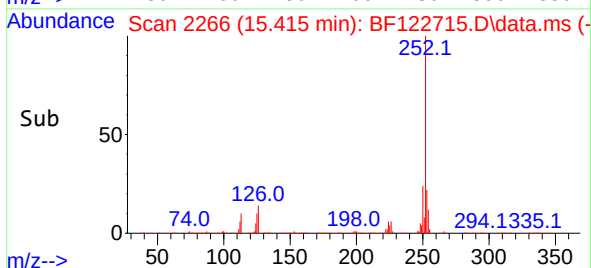
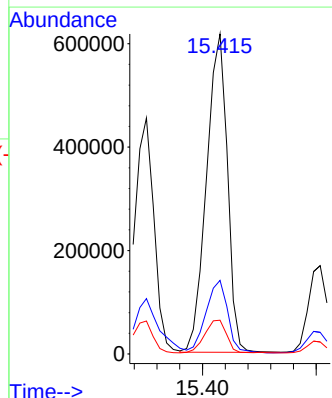
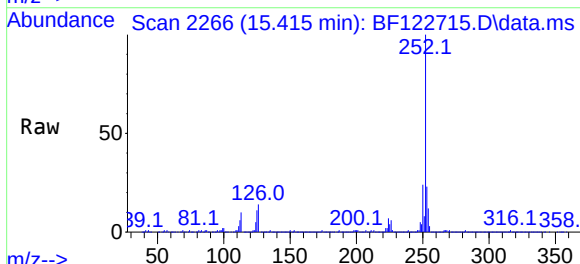
Instrument :
BNA_F
ClientSampleId :
DUPDL

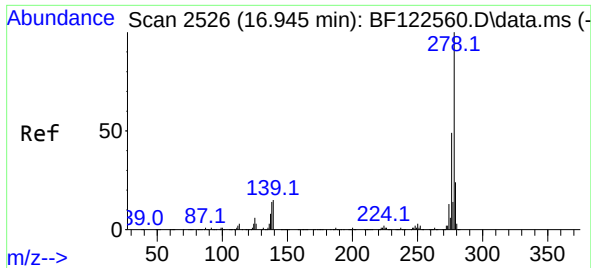
Tgt Ion:252 Resp: 1499078
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 11.3 8.4 12.6



#90
Benzo(a)pyrene
Concen: 32.26 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:252 Resp: 787014
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.6 8.6 12.8



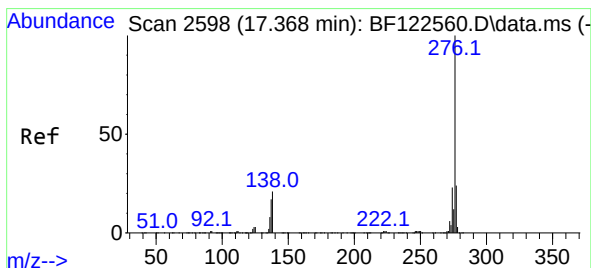
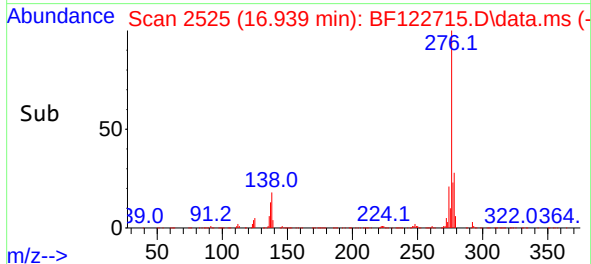
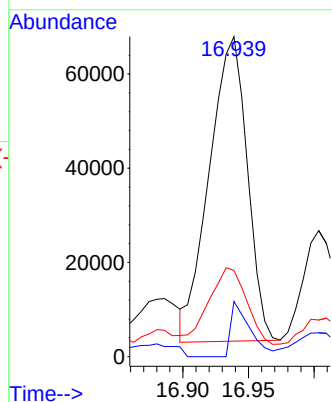
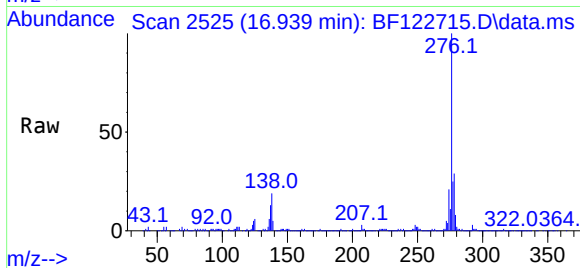


#91
Dibenzo(a,h)anthracene
Concen: 6.09 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Instrument :
BNA_F
ClientSampleId :
DUPDL

Tgt Ion:278 Resp: 130058

Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.0	18.0
279	27.0	19.4	29.2



#92
Benzo(g,h,i)perylene
Concen: 21.93 ng
RT: 17.374 min Scan# 2599
Delta R.T. 0.006 min
Lab File: BF122715.D
Acq: 14 Dec 2020 20:02

Tgt Ion:276 Resp: 453146

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	20.9	16.6	24.8

