

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
 Data File : BF122889.D
 Acq On : 30 Dec 2020 20:37
 Operator : JU/CG
 Sample : L5242-05DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-3(474+26)DL

Quant Time: Dec 31 00:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

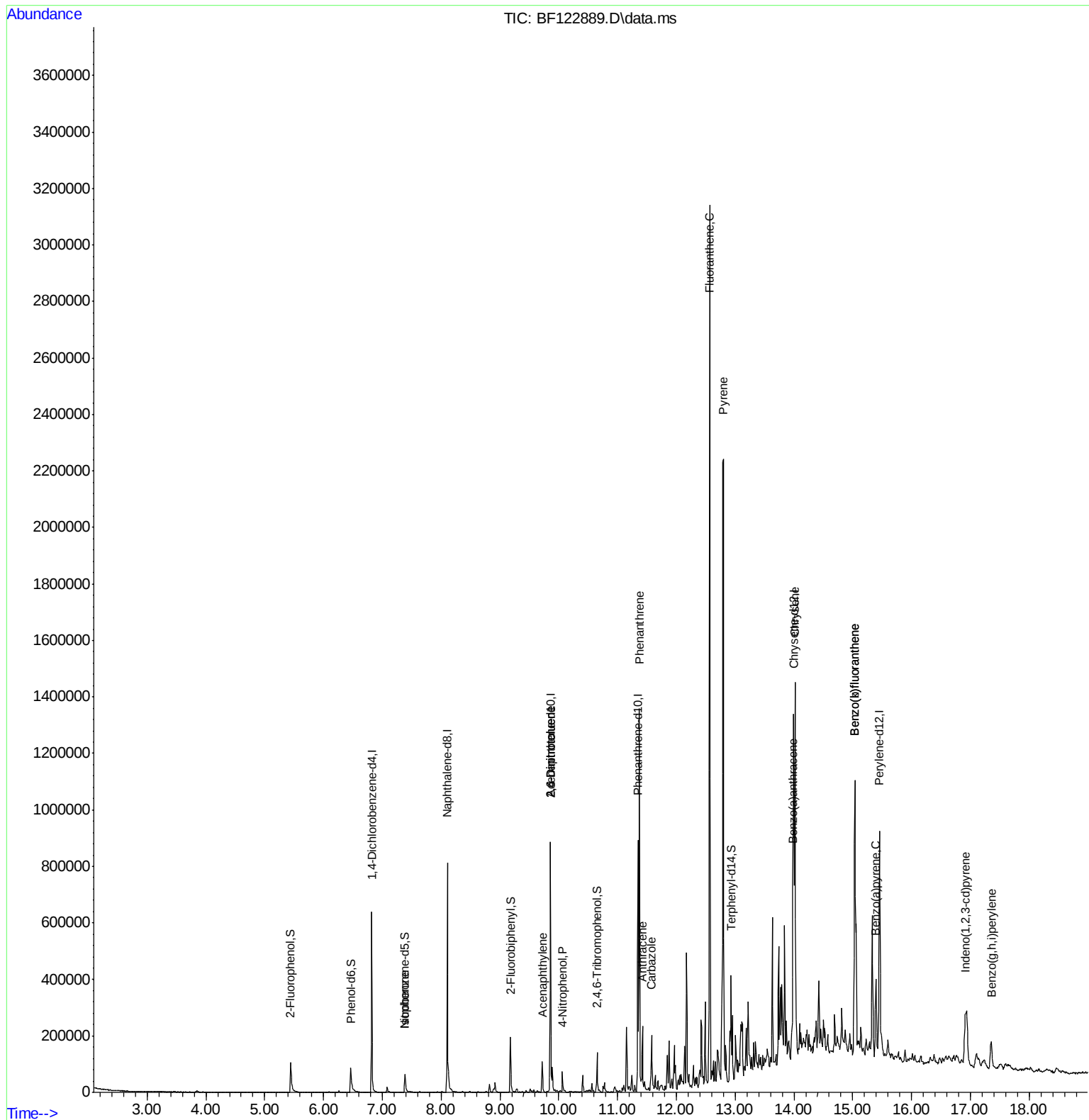
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	109402	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	386560	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	193381	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	331135	20.00	ng	0.00
76) Chrysene-d12	13.992	240	321376	20.00	ng	0.00
86) Perylene-d12	15.457	264	361925	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	50548	7.31	ng	0.00
7) Phenol-d6	6.463	99	60679	6.62	ng	0.00
23) Nitrobenzene-d5	7.381	82	36726	4.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	18086	7.14	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	79056	5.53	ng	0.00
79) Terphenyl-d14	12.927	244	94340	5.14	ng	0.00
Target Compounds						
					Qvalue	
25) Isophorone	7.381	82	36726	2.76	ng	# 65
49) Acenaphthylene	9.722	152	54171	2.76	ng	98
51) 2,6-Dinitrotoluene	9.857	165	25465	7.81	ng	# 31
56) 4-Nitrophenol	10.063	139	12865	4.79	ng	# 13
57) 2,4-Dinitrotoluene	9.857	165	25465	5.86	ng	# 26
71) Phenanthrene	11.369	178	514682	26.15	ng	98
72) Anthracene	11.422	178	80980	4.15	ng	97
73) Carbazole	11.580	167	79123	4.47	ng	96
75) Fluoranthene	12.569	202	1264874	61.29	ng	98
78) Pyrene	12.798	202	987760	39.75	ng	99
81) Benzo(a)anthracene	13.980	228	205591	9.57	ng	98
83) Chrysene	14.021	228	594625	27.82	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	99767	4.20	ng	98
88) Benzo(b)fluoranthene	15.033	252	676972	26.66	ng	99
89) Benzo(k)fluoranthene	15.033	252	676972	29.16	ng	99
90) Benzo(a)pyrene	15.392	252	122499	5.51	ng	95
92) Benzo(g,h,i)perylene	17.357	276	81388	4.32	ng	98

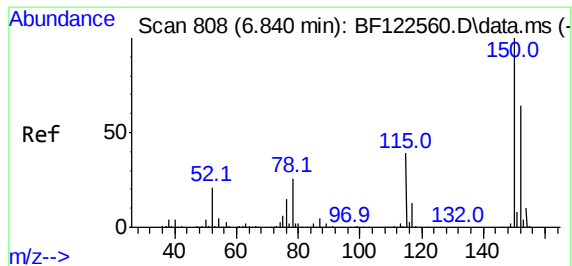
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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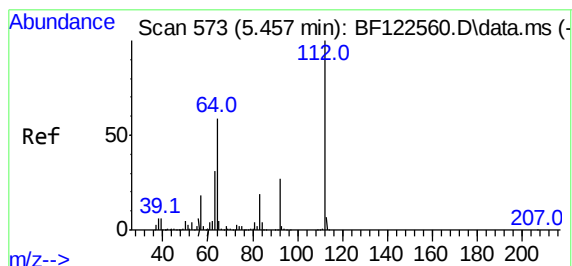
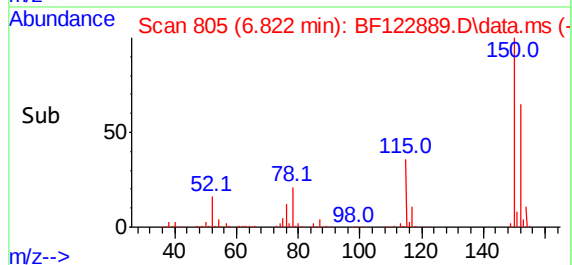
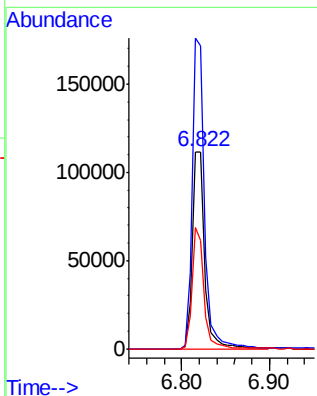
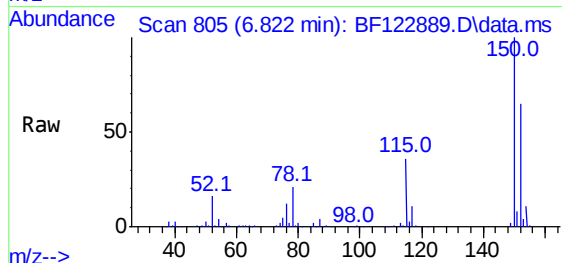




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

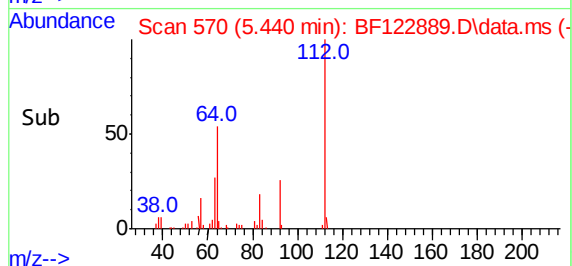
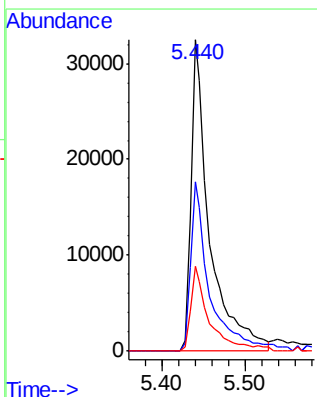
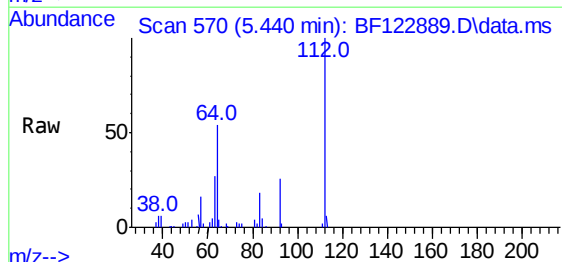
Instrument :
BNA_F
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SAMPLE-3(474+26)DL

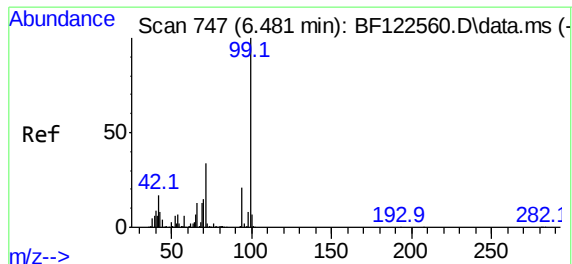
Tgt Ion:152 Resp: 109402
Ion Ratio Lower Upper
152 100
150 153.5 125.8 188.6
115 54.8 49.3 73.9



#5
2-Fluorophenol
Concen: 7.31 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:112 Resp: 50548
Ion Ratio Lower Upper
112 100
64 54.4 46.9 70.3
63 27.2 24.5 36.7

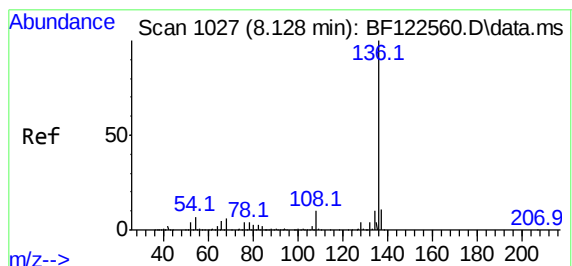
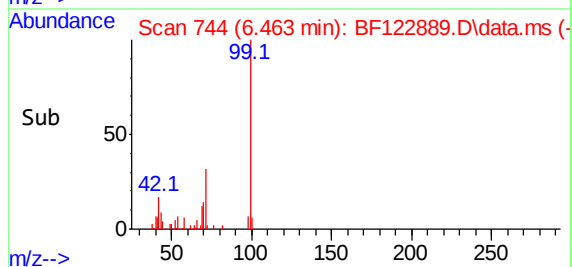
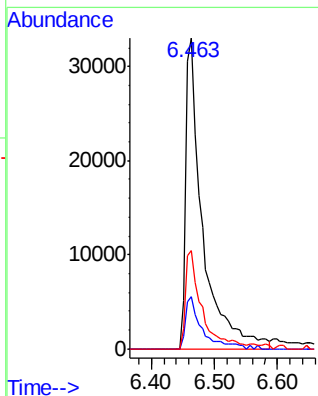
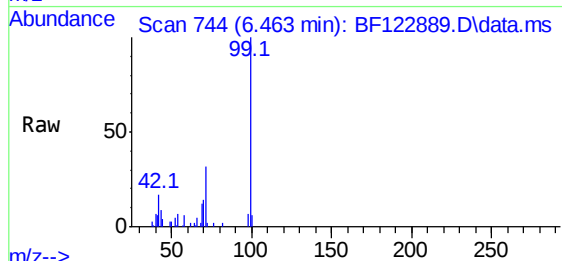




#7
Phenol-d6
Concen: 6.62 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

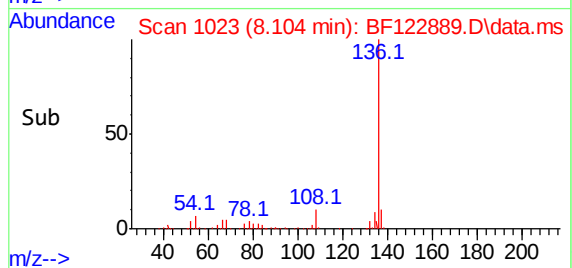
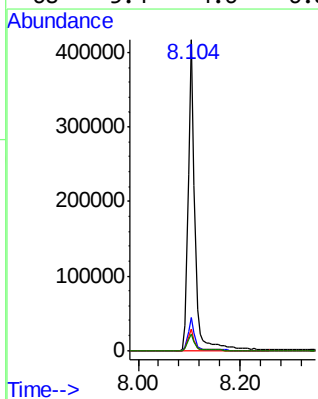
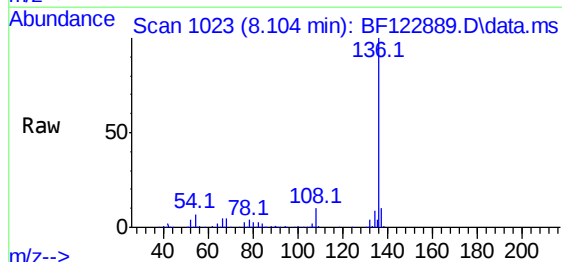
Instrument :
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ClientSampleId :
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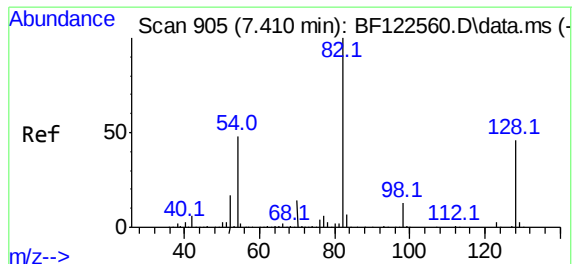
Tgt Ion: 99 Resp: 60679
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.6
71 31.8 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:136 Resp: 386560
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.8 5.5 8.3
68 5.4 4.6 6.8

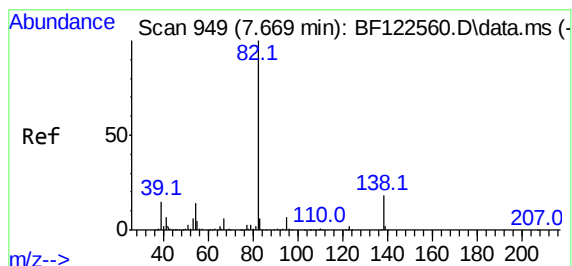
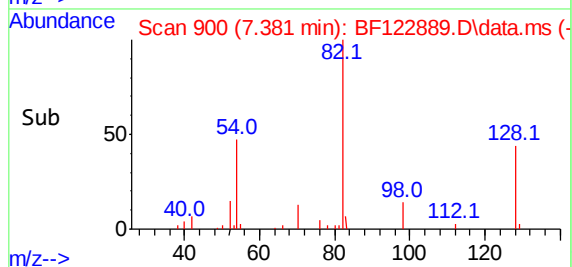
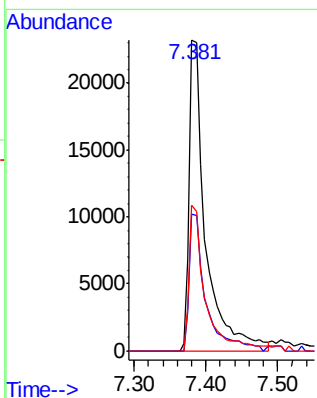
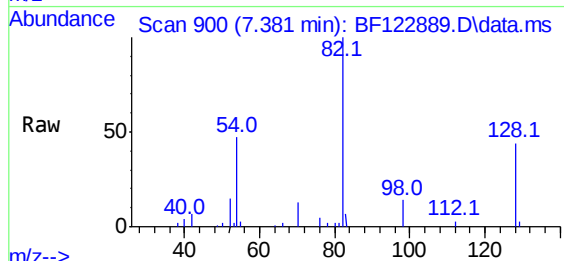




#23
Nitrobenzene-d5
Concen: 4.76 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

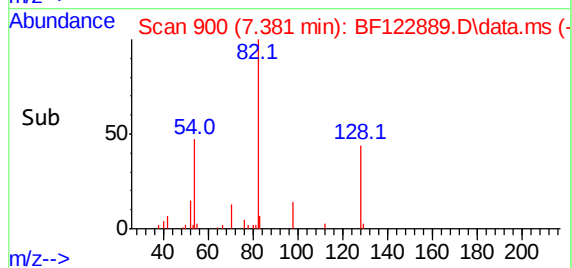
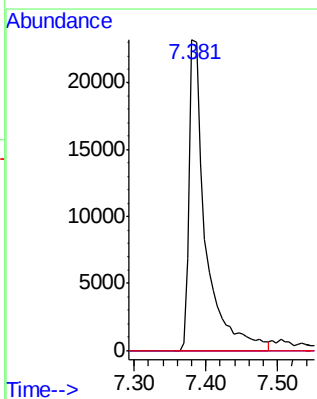
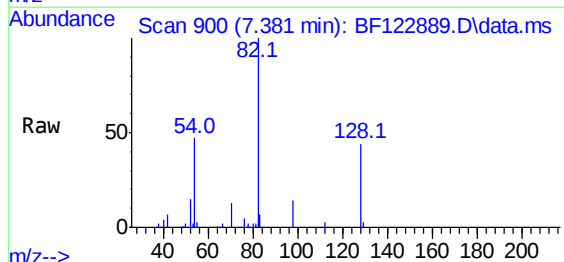
Instrument :
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SAMPLE-3(474+26)DL

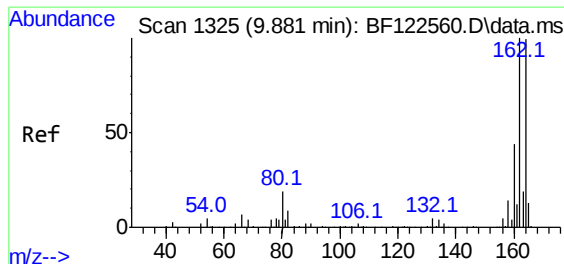
Tgt Ion: 82 Resp: 36726
Ion Ratio Lower Upper
82 100
128 43.9 37.0 55.4
54 46.9 38.4 57.6



#25
Isophorone
Concen: 2.76 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion: 82 Resp: 36726
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

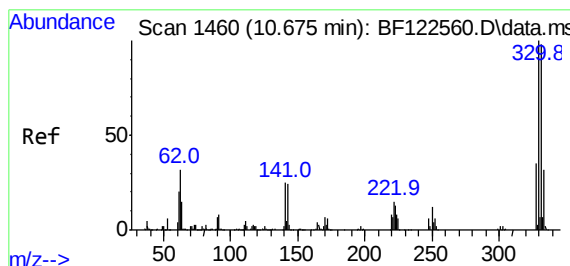
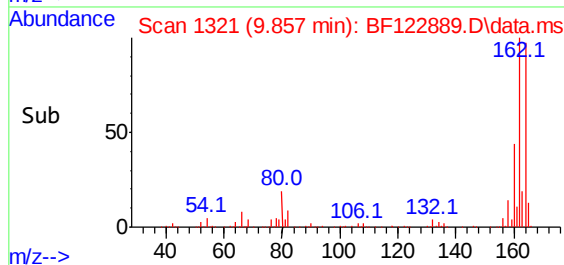
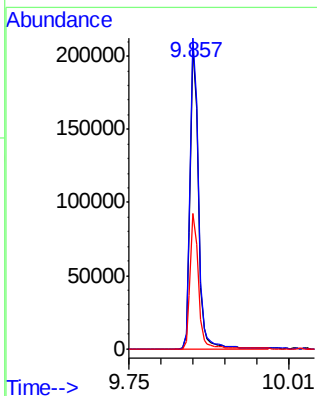
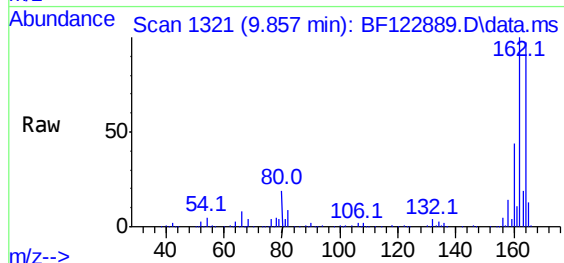




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

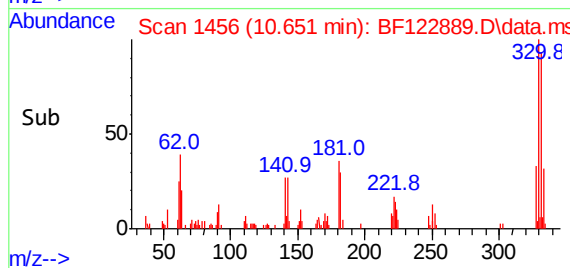
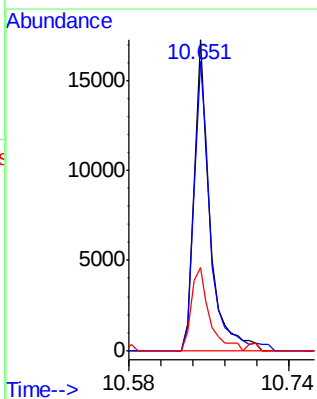
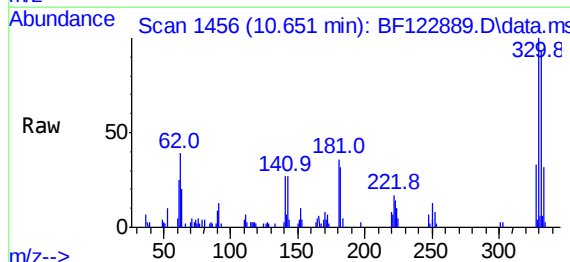
Instrument :
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ClientSampleId :
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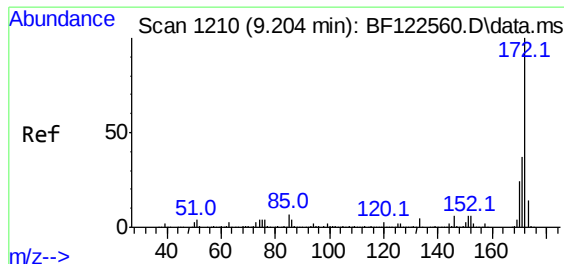
Tgt Ion:164 Resp: 193381
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 45.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 7.14 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:330 Resp: 18086
Ion Ratio Lower Upper
330 100
332 97.7 77.5 116.3
141 30.2 23.8 35.8

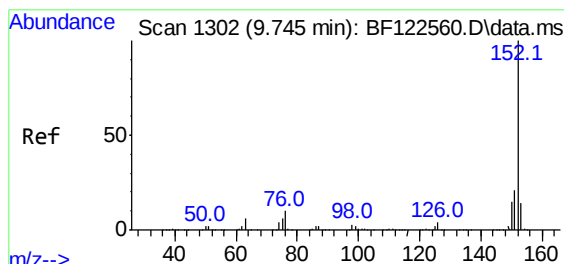
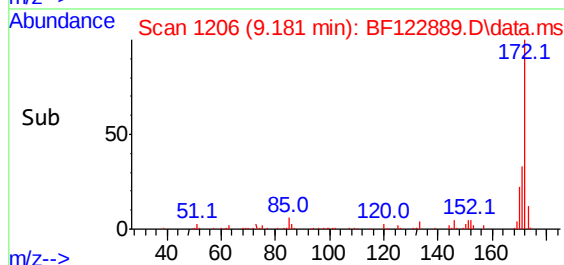
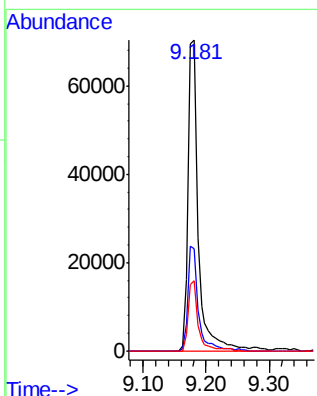
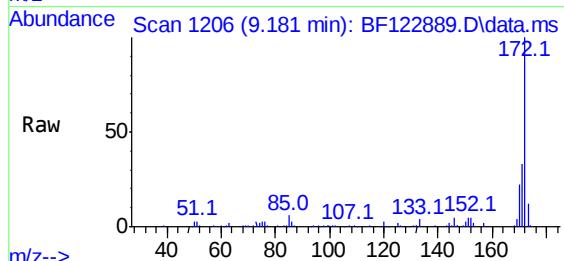




#45
2-Fluorobiphenyl
Concen: 5.53 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

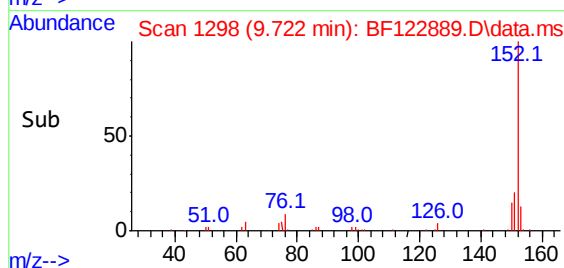
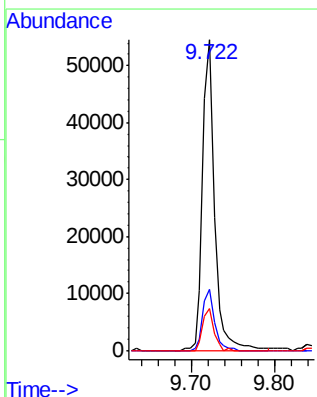
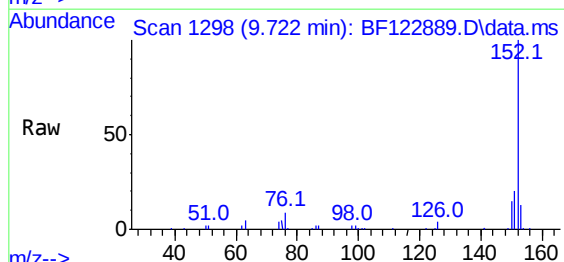
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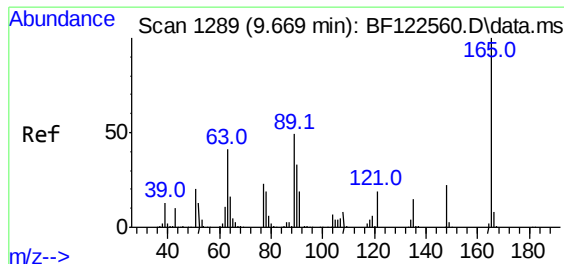
Tgt Ion:172 Resp: 79056
Ion Ratio Lower Upper
172 100
171 32.7 29.6 44.4
170 22.5 19.5 29.3



#49
Acenaphthylene
Concen: 2.76 ng
RT: 9.722 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:152 Resp: 54171
Ion Ratio Lower Upper
152 100
151 19.6 16.6 25.0
153 13.5 10.9 16.3

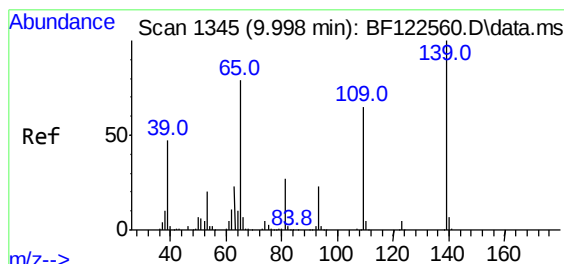
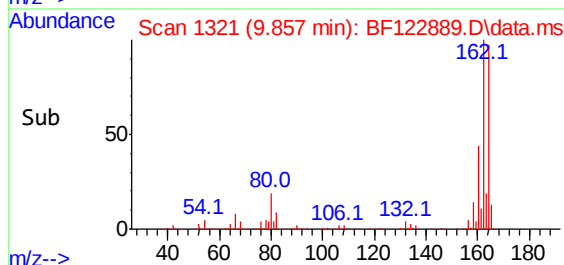
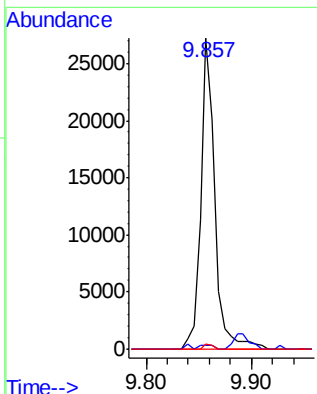
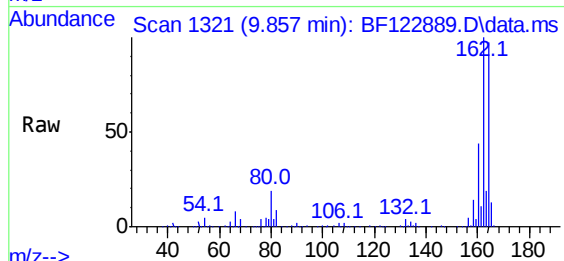




#51
2,6-Dinitrotoluene
Concen: 7.81 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

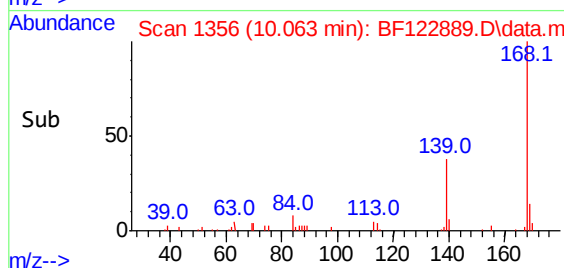
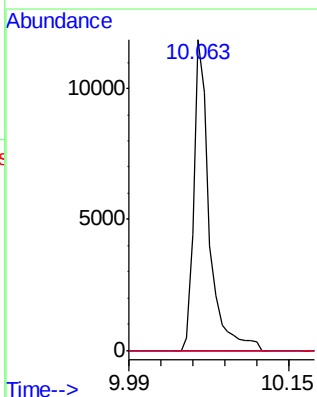
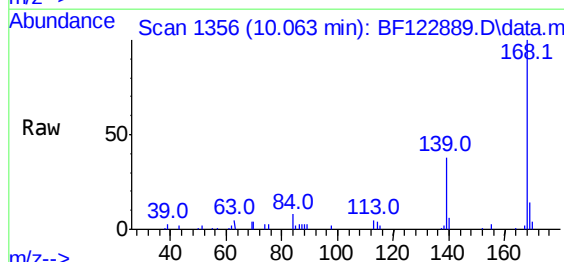
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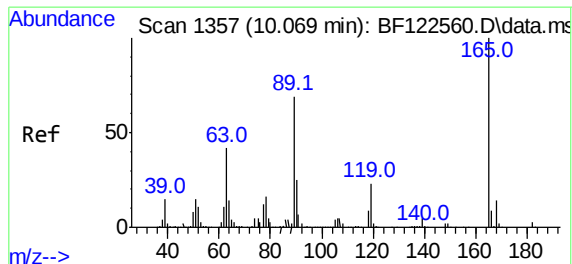
Tgt Ion:165 Resp: 25465
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.6 39.4 59.0#



#56
4-Nitrophenol
Concen: 4.79 ng
RT: 10.063 min Scan# 1356
Delta R.T. 0.088 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:139 Resp: 12865
Ion Ratio Lower Upper
139 100
109 0.0 45.1 85.1#
65 0.0 59.2 99.2#

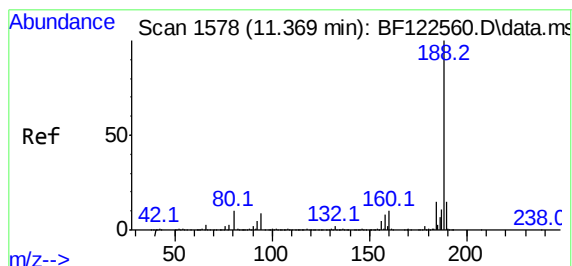
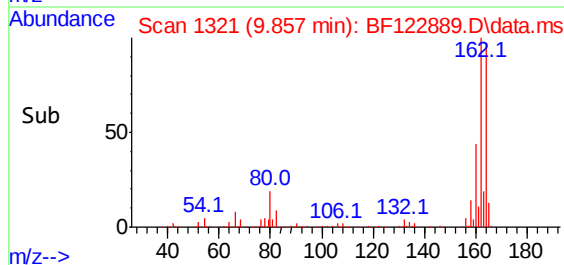
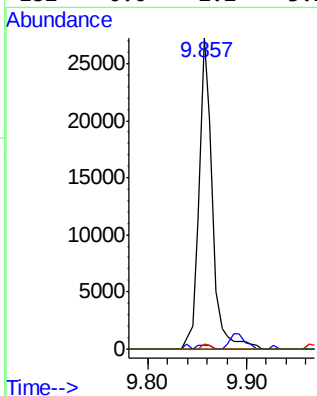
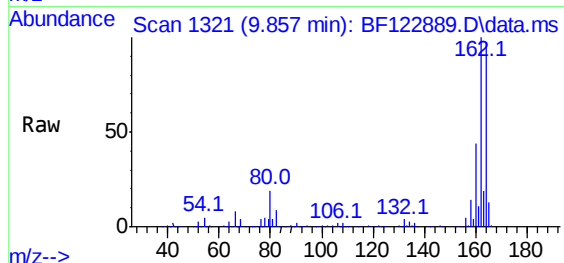




#57
2,4-Dinitrotoluene
Concen: 5.86 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

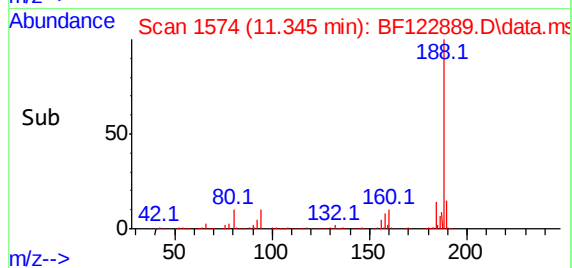
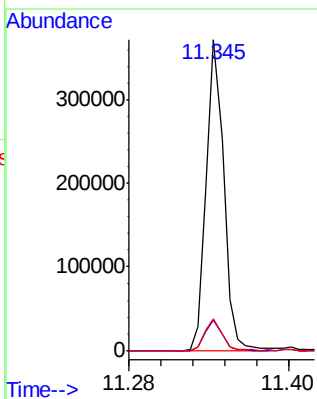
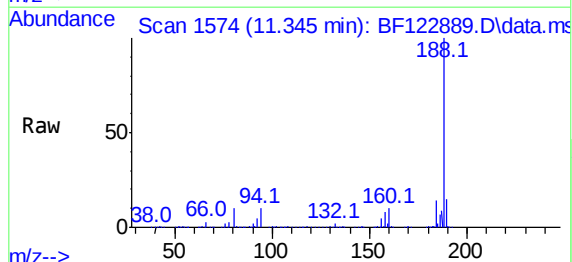
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

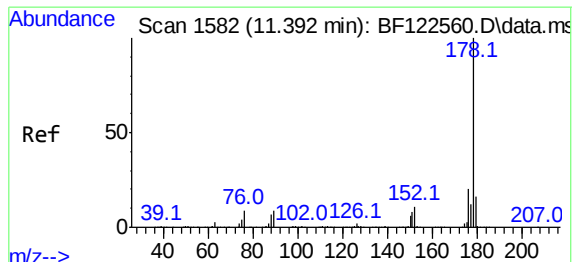
Tgt Ion:	165	Resp:	25465
Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.6	55.2	82.8#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:	188	Resp:	331135
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.4	11.2
80	10.1	8.2	12.4

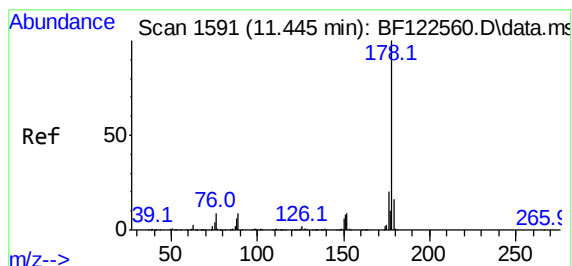
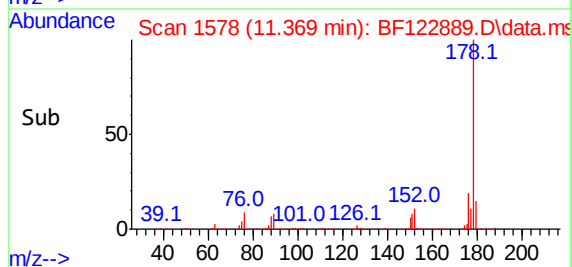
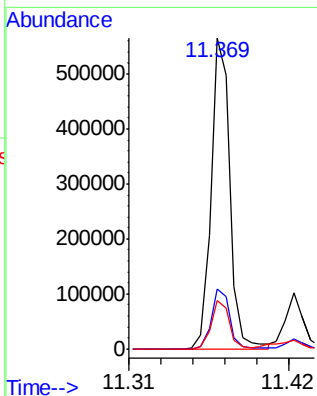
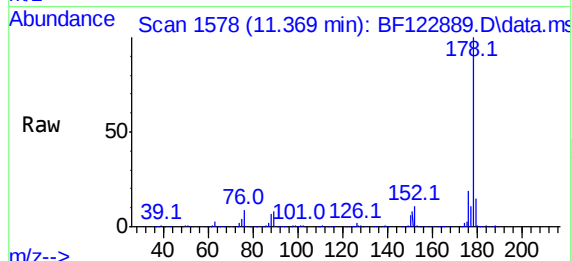




#71
Phenanthrene
Concen: 26.15 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

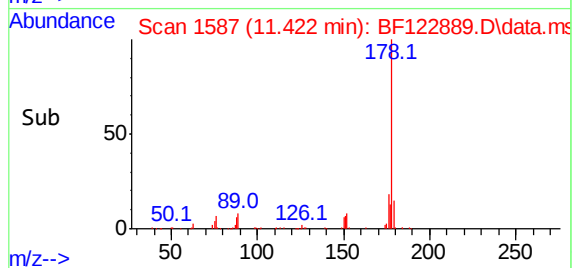
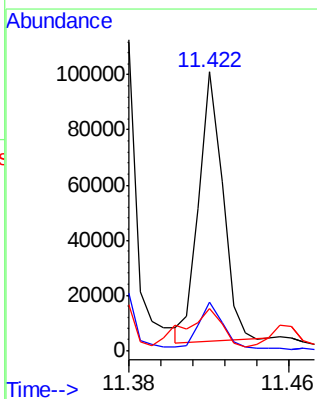
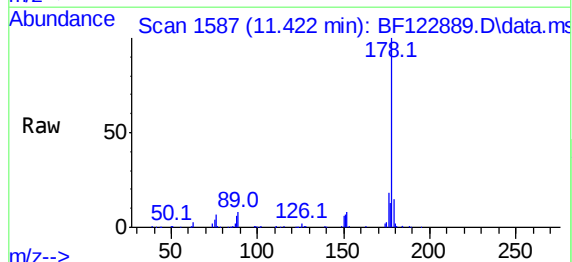
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

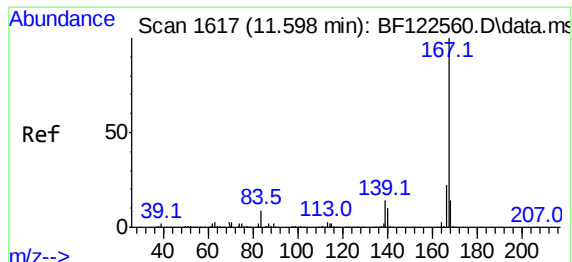
Tgt Ion:178 Resp: 514682
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.5 12.7 19.1



#72
Anthracene
Concen: 4.15 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:178 Resp: 80980
Ion Ratio Lower Upper
178 100
176 17.6 15.6 23.4
179 15.0 12.8 19.2

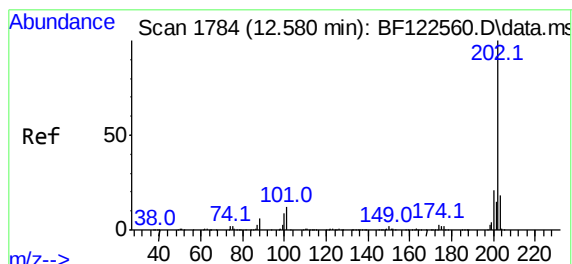
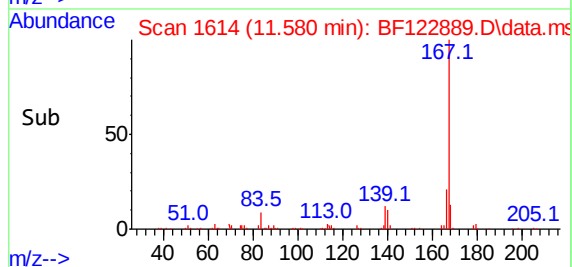
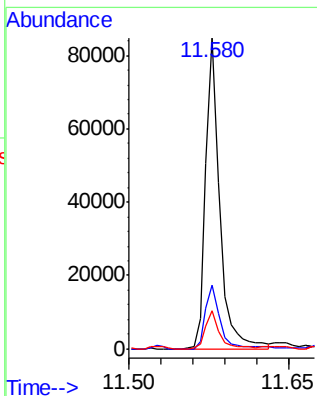
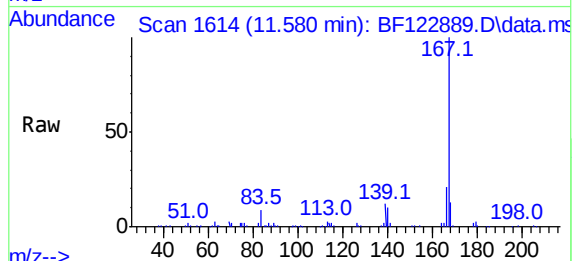




#73
Carbazole
Concen: 4.47 ng
RT: 11.580 min Scan# 1614
Delta R.T. 0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

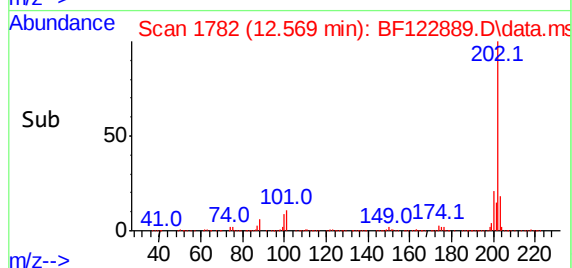
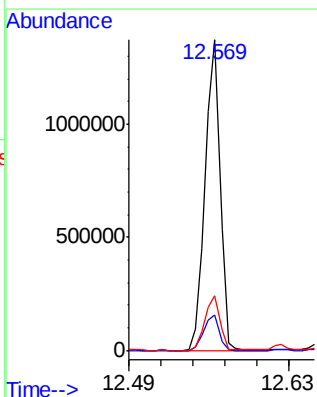
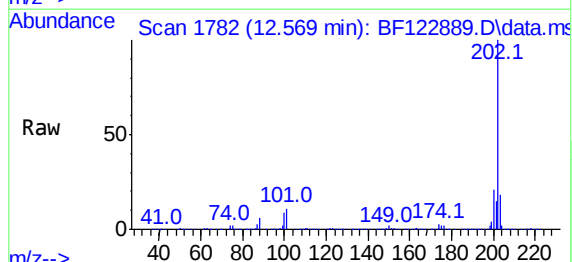
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

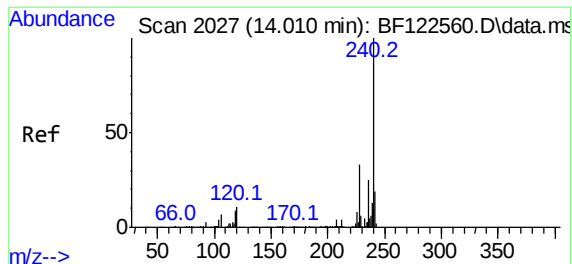
Tgt Ion:167 Resp: 79123
Ion Ratio Lower Upper
167 100
166 20.5 18.0 27.0
139 12.2 10.9 16.3



#75
Fluoranthene
Concen: 61.29 ng
RT: 12.569 min Scan# 1782
Delta R.T. 0.012 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:202 Resp: 1264874
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.2
203 17.5 0.0 38.1

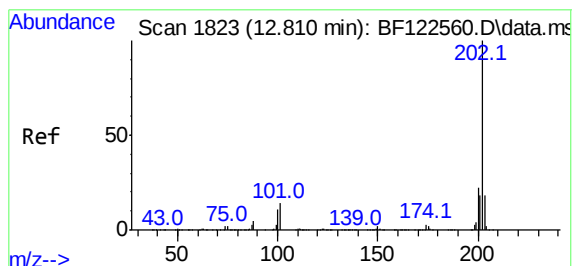
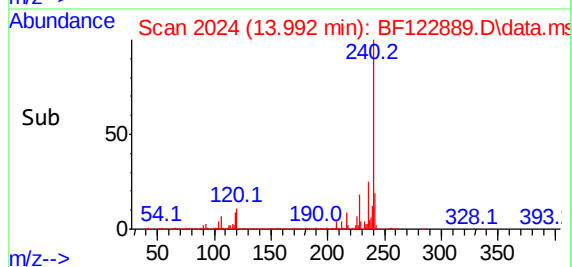
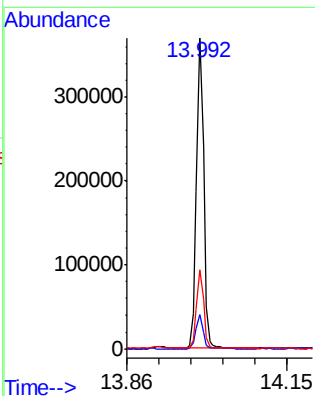
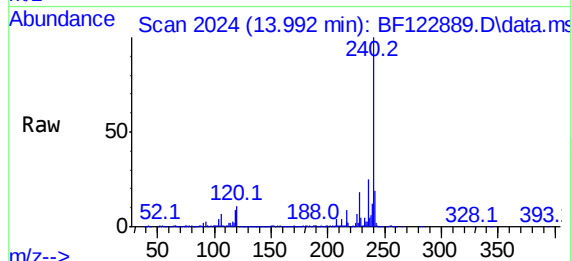




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

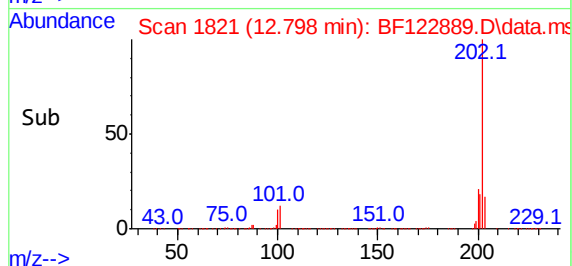
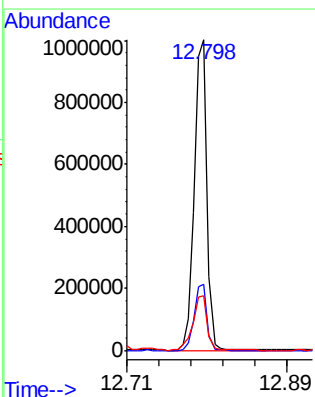
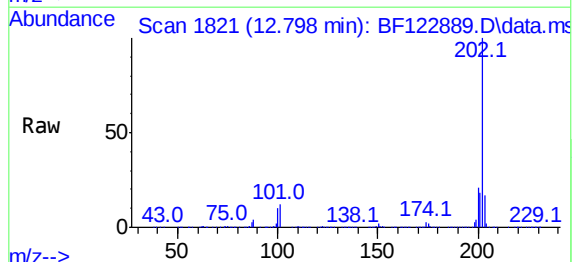
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

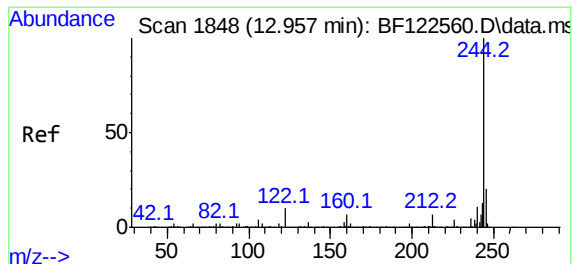
Tgt Ion:	240	Resp:	321376
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.6	12.8
236	25.4	20.3	30.5



#78
Pyrene
Concen: 39.75 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.012 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:	202	Resp:	987760
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.4	14.6	21.8

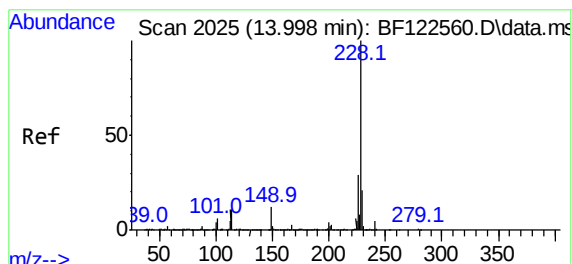
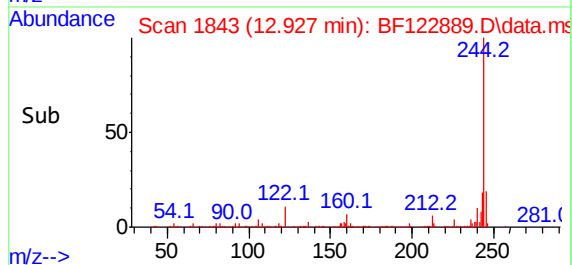
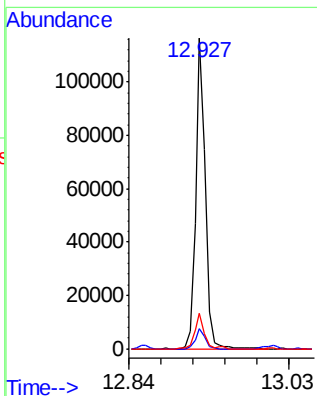
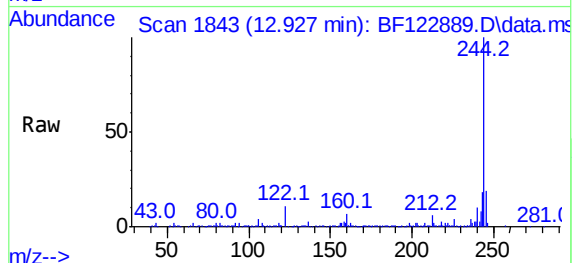




#79
Terphenyl-d14
Concen: 5.14 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

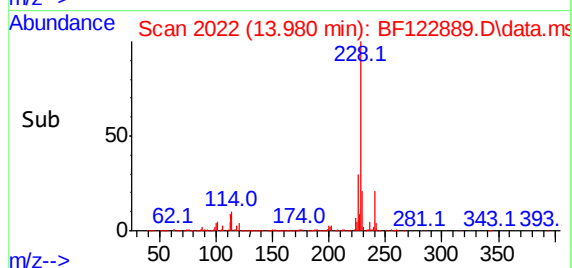
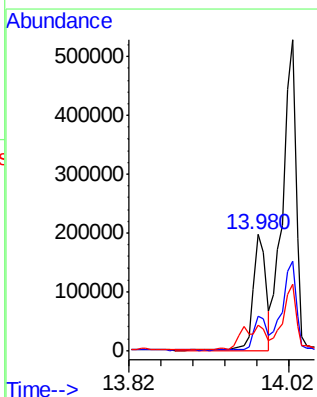
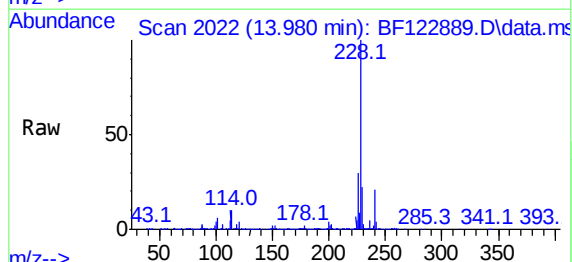
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

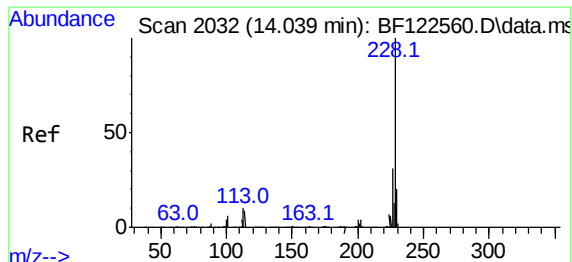
Tgt Ion:244 Resp: 94340
Ion Ratio Lower Upper
244 100
212 6.4 5.7 8.5
122 11.3 8.3 12.5



#81
Benzo(a)anthracene
Concen: 9.57 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:228 Resp: 205591
Ion Ratio Lower Upper
228 100
226 29.8 23.0 34.4
229 21.6 16.6 24.8

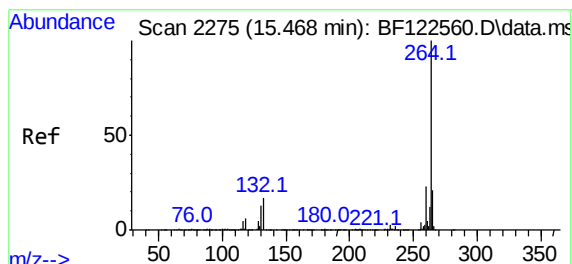
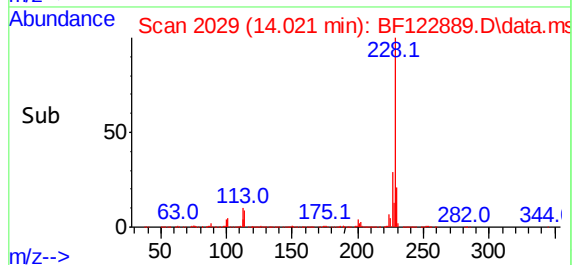
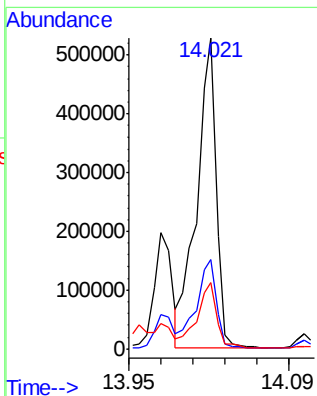
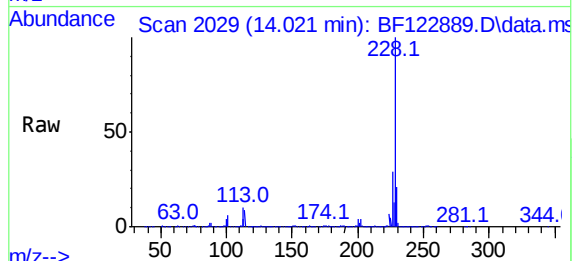




#83
Chrysene
Concen: 27.82 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

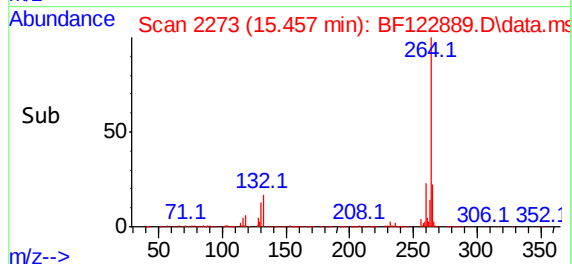
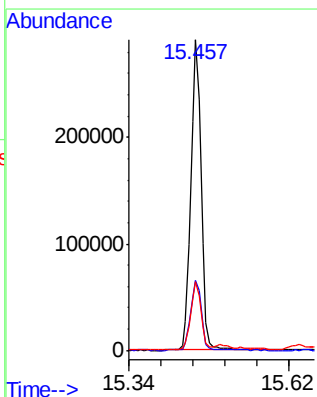
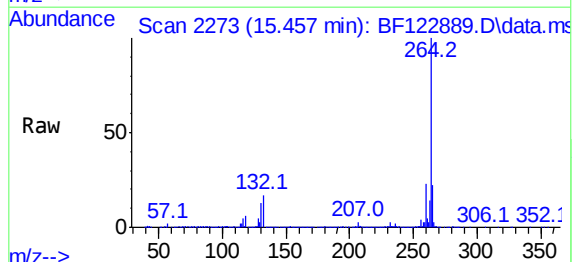
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

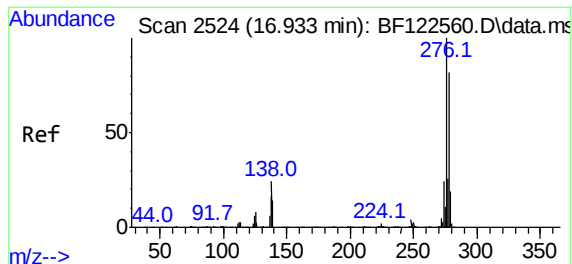
Tgt Ion:228 Resp: 594625
Ion Ratio Lower Upper
228 100
226 28.9 24.6 36.8
229 21.2 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.018 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:264 Resp: 361925
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 22.1 17.0 25.6

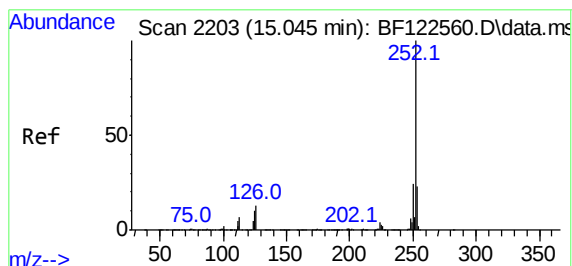
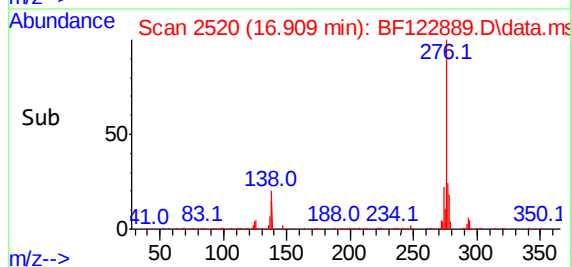
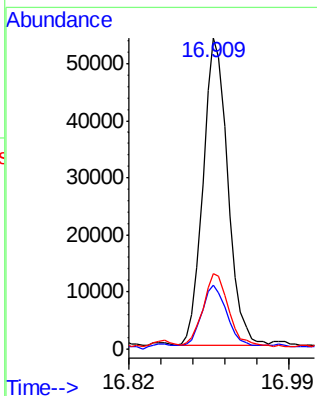
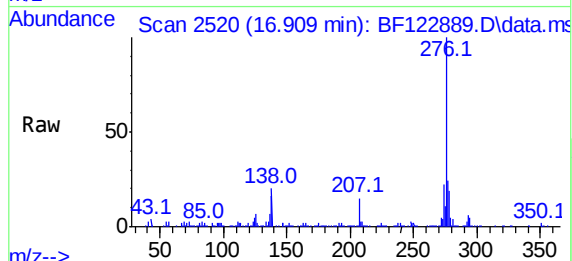




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.20 ng
RT: 16.909 min Scan# 2520
Delta R.T. 0.018 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

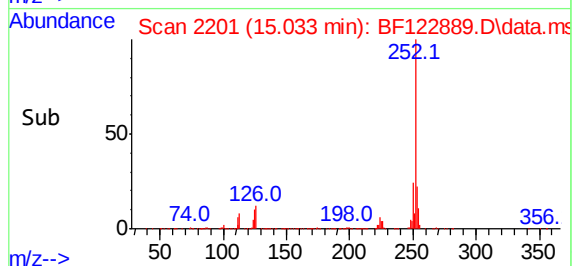
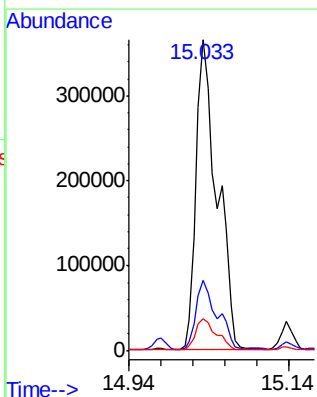
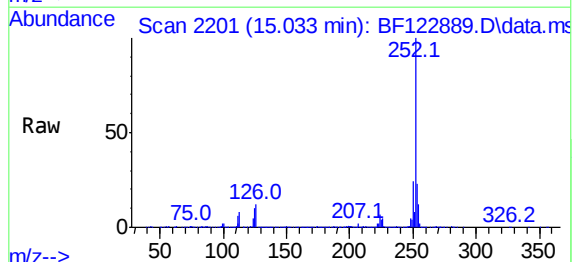
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

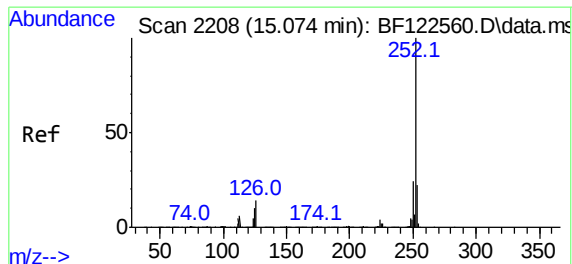
Tgt Ion:276 Resp: 99767
Ion Ratio Lower Upper
276 100
138 22.3 18.7 28.1
277 24.6 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 26.66 ng
RT: 15.033 min Scan# 2201
Delta R.T. 0.012 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Tgt Ion:252 Resp: 676972
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 10.1 8.1 12.1

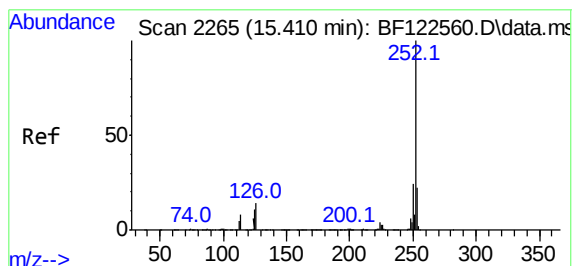
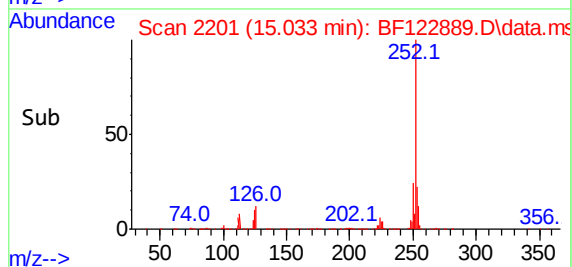
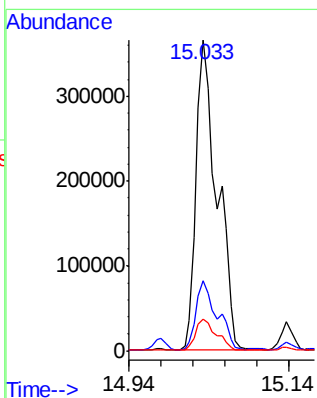
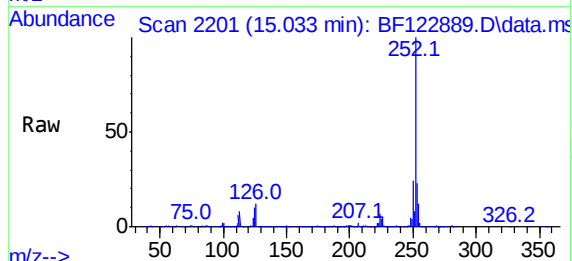




#89
Benzo(k)fluoranthene
Concen: 29.16 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.018 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

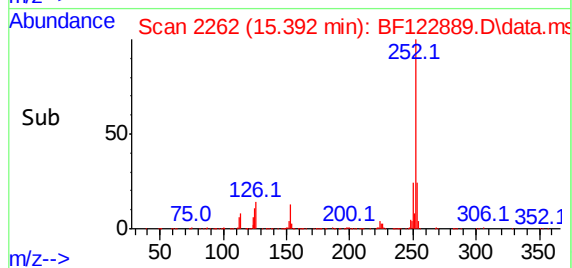
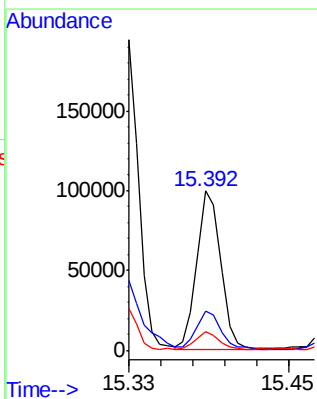
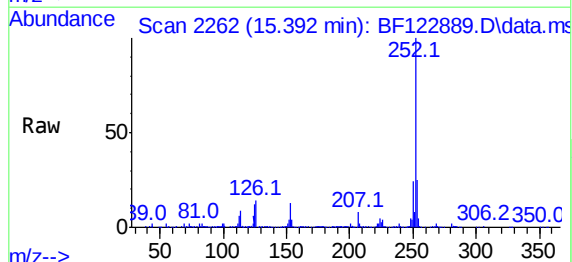
Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL

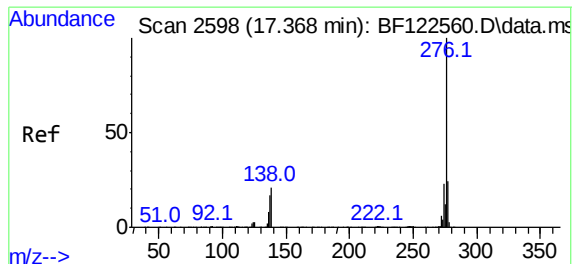
Tgt Ion:252 Resp: 676972
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 10.1 8.4 12.6



#90
Benzo(a)pyrene
Concen: 5.51 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

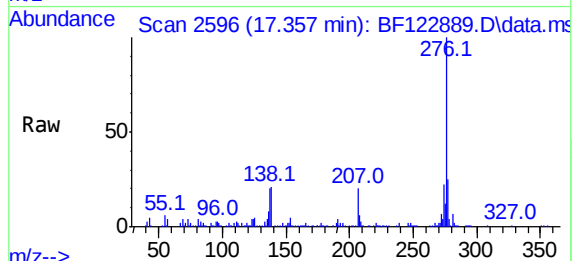
Tgt Ion:252 Resp: 122499
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 11.9 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 4.32 ng
RT: 17.357 min Scan# 2596
Delta R.T. 0.029 min
Lab File: BF122889.D
Acq: 30 Dec 2020 20:37

Instrument :
BNA_F
ClientSampleId :
SAMPLE-3(474+26)DL



Tgt Ion: 276 Resp: 81388

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.3	28.9
138	20.8	16.6	24.8

