

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128789.D
 Acq On : 13 Jun 2022 17:43
 Operator : CG\JU
 Sample : N3295-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-060922DL

Quant Time: Jun 14 01:56:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

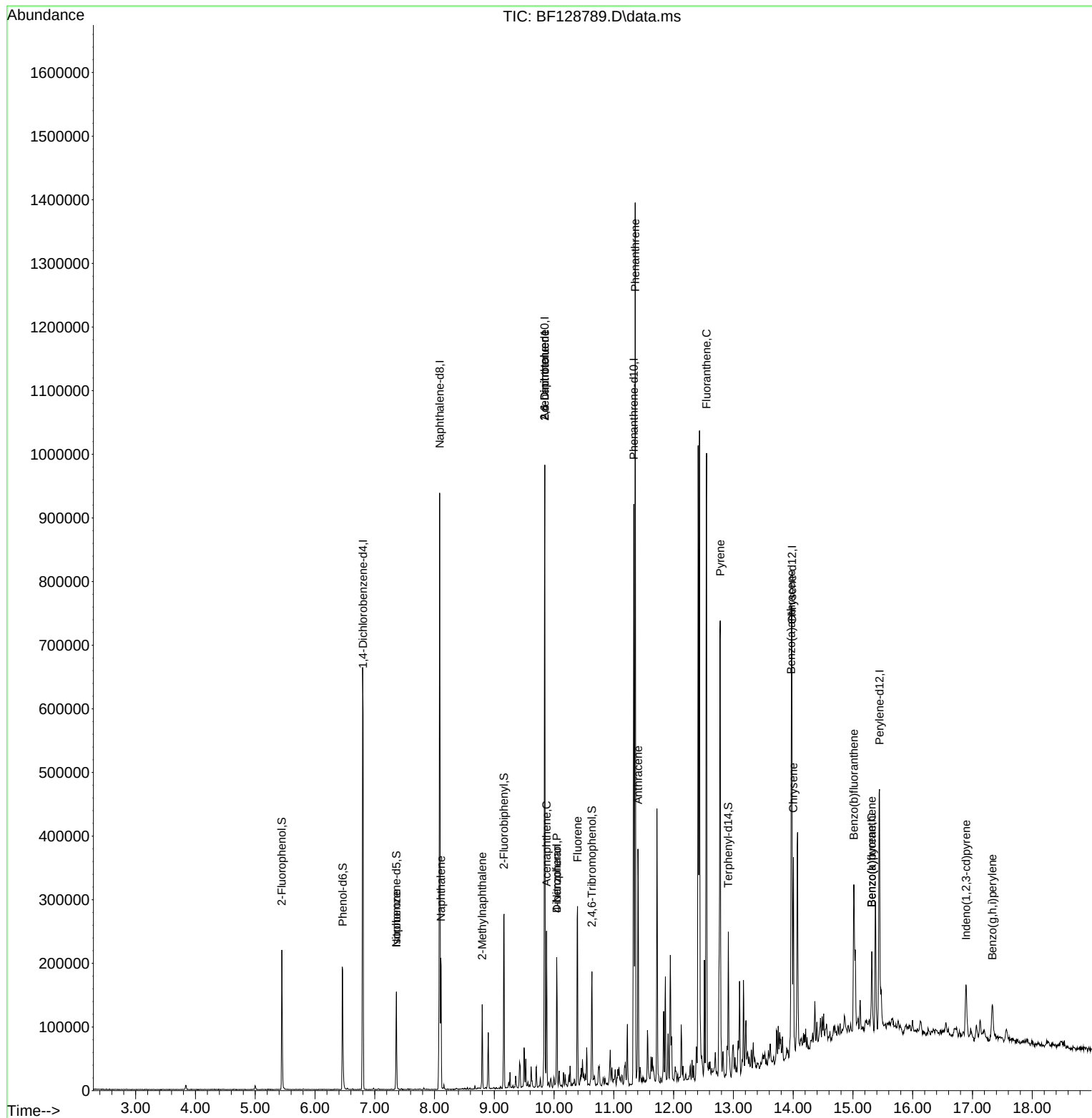
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	97376	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	363436	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	193996	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	319991	20.000	ng	0.00
76) Chrysene-d12	13.980	240	194030	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	184817	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	50909	8.327	ng	-0.01
7) Phenol-d6	6.463	99	64181	8.601	ng	-0.02
23) Nitrobenzene-d5	7.363	82	44417	5.690	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	15149	6.609	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	83389	6.021	ng	-0.01
79) Terphenyl-d14	12.916	244	66601	5.964	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.363	82	44306	3.737	ng	# 65
31) Naphthalene	8.110	128	86172	4.620	ng	97
37) 2-Methylnaphthalene	8.798	142	30142	2.541	ng	97
51) 2,6-Dinitrotoluene	9.845	165	25981	9.913	ng	# 26
52) Acenaphthene	9.875	154	43689	3.945	ng	98
55) Dibenzofuran	10.045	168	59735	3.754	ng	93
56) 4-Nitrophenol	10.045	139	25227	12.235	ng	# 9
57) 2,4-Dinitrotoluene	9.845	165	25981	7.428	ng	# 22
58) Fluorene	10.392	166	75354	6.106	ng	98
71) Phenanthrene	11.357	178	446752	27.835	ng	99
72) Anthracene	11.404	178	132955	8.369	ng	97
75) Fluoranthene	12.551	202	399860	23.834	ng	95
78) Pyrene	12.780	202	314595	21.793	ng	98
81) Benzo(a)anthracene	13.968	228	146328	12.099	ng	99
83) Chrysene	14.004	228	109844	9.526	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	52976	4.756	ng	# 88
88) Benzo(b)fluoranthene	15.015	252	175533	14.864	ng	# 97
89) Benzo(k)fluoranthene	15.315	252	54450	4.901	ng	99
90) Benzo(a)pyrene	15.315	252	56771	6.116	ng	99
92) Benzo(g,h,i)perylene	17.333	276	46750	5.105	ng	# 88

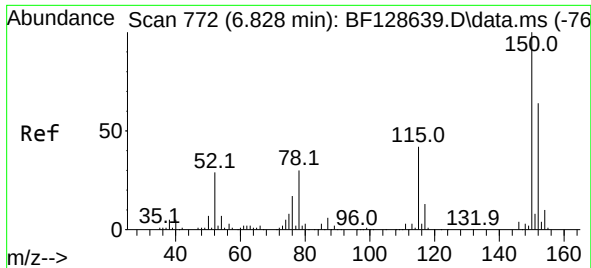
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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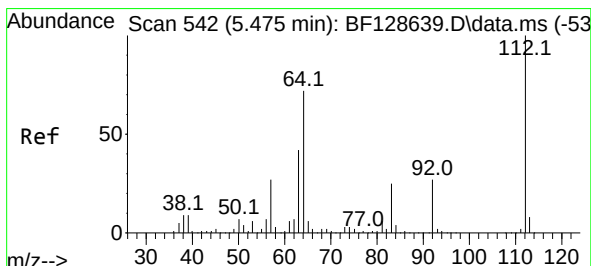
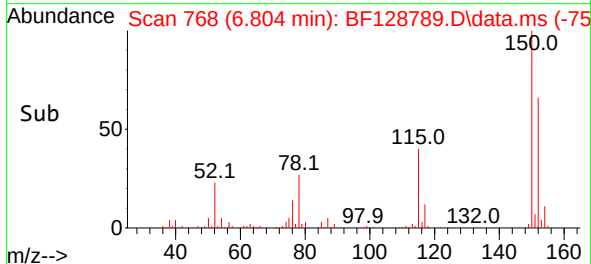
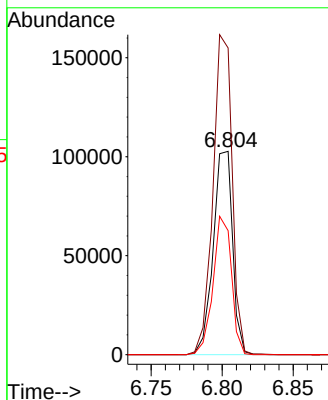
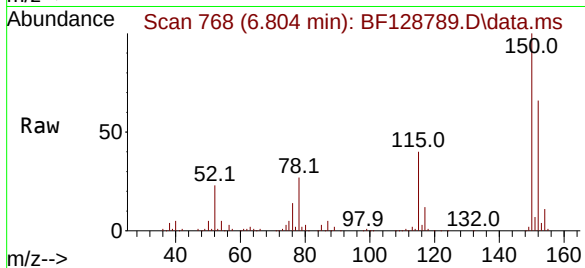




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

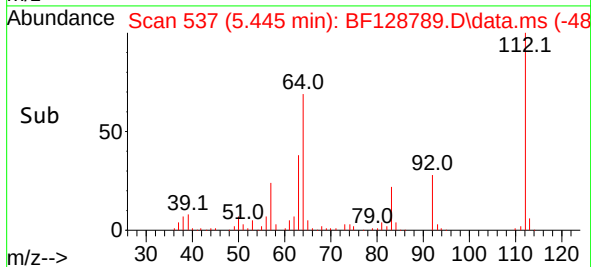
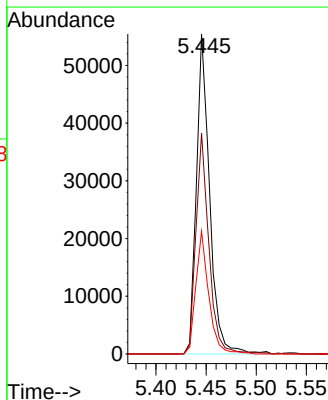
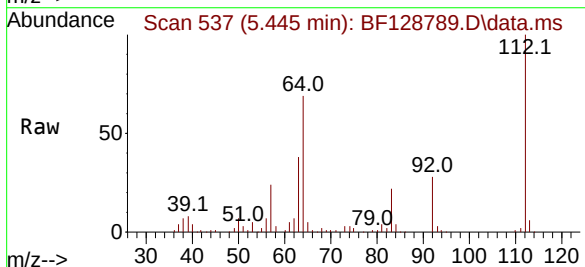
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

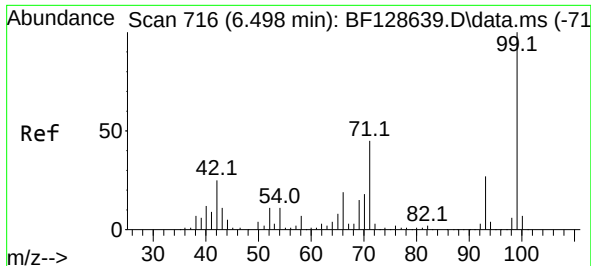
Tgt Ion:152 Resp: 97376
Ion Ratio Lower Upper
152 100
150 150.8 123.7 185.5
115 61.0 49.9 74.9



#5
2-Fluorophenol
Concen: 8.327 ng
RT: 5.445 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:112 Resp: 50909
Ion Ratio Lower Upper
112 100
64 69.1 53.3 79.9
63 38.4 28.0 42.0

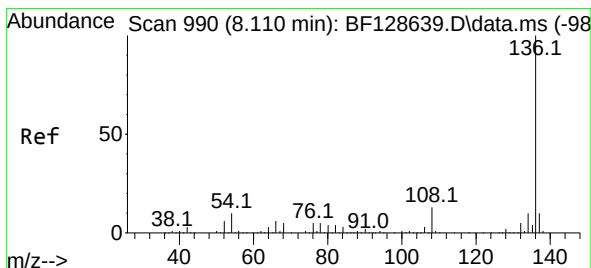
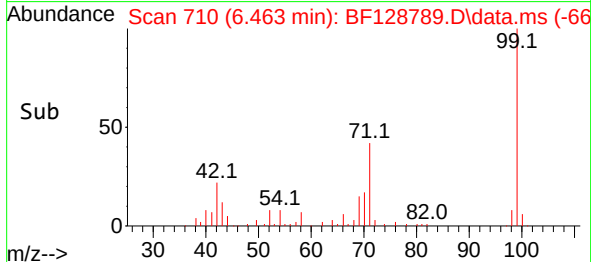
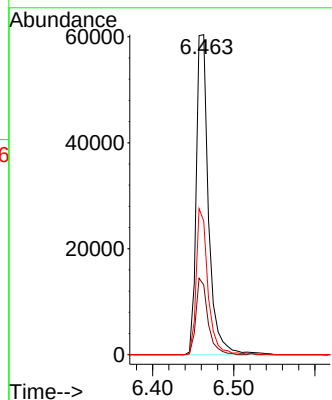
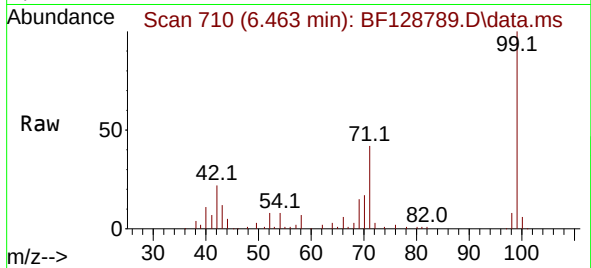




#7
Phenol-d6
Concen: 8.601 ng
RT: 6.463 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

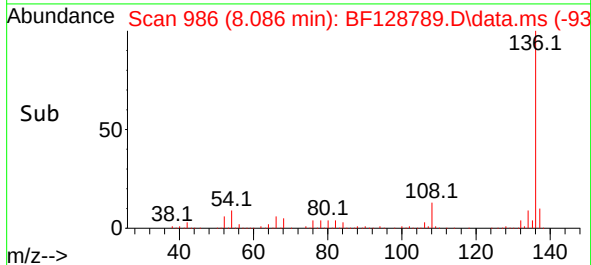
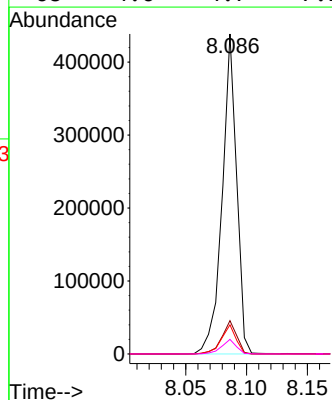
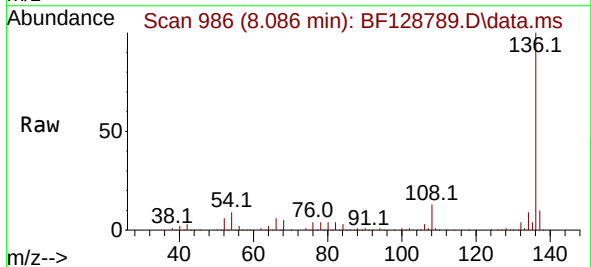
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

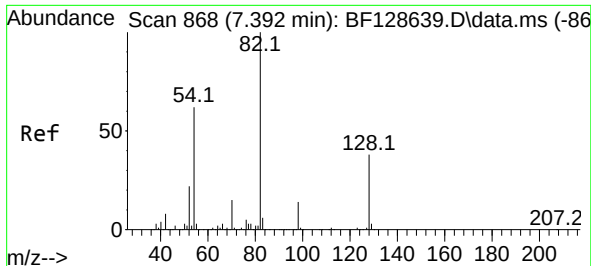
Tgt Ion: 99 Resp: 64181
Ion Ratio Lower Upper
99 100
42 21.8 17.3 25.9
71 41.7 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 986
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion: 136 Resp: 363436
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 9.1 7.5 11.3
68 4.6 4.7 7.1#

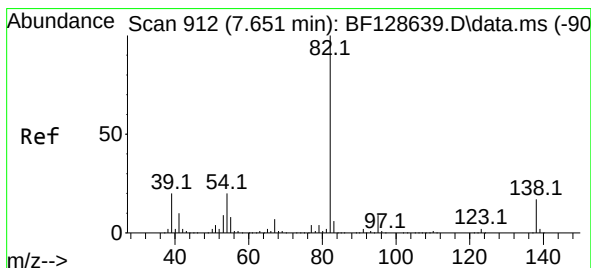
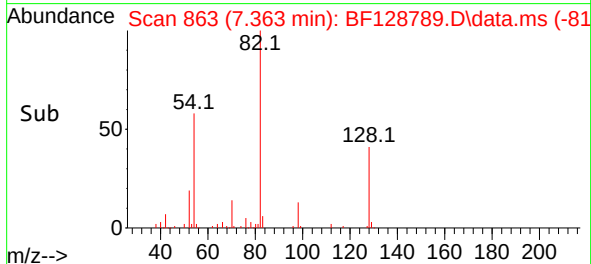
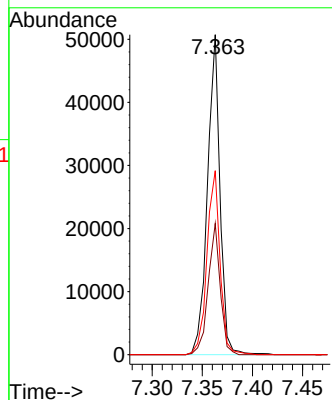
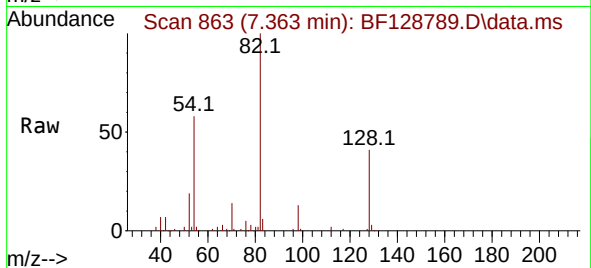




#23
Nitrobenzene-d5
Concen: 5.690 ng
RT: 7.363 min Scan# 863
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

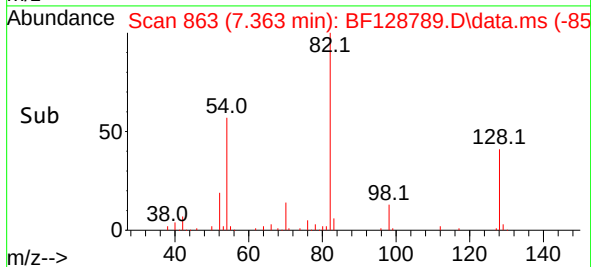
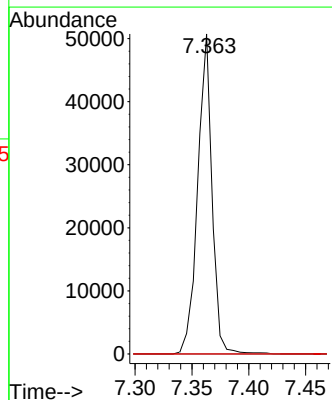
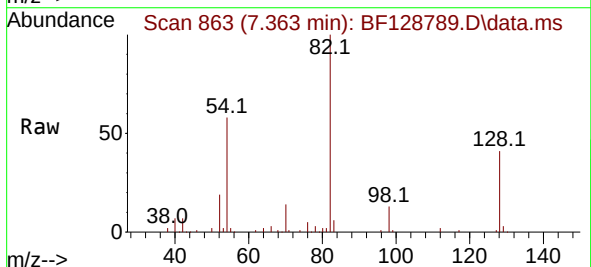
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

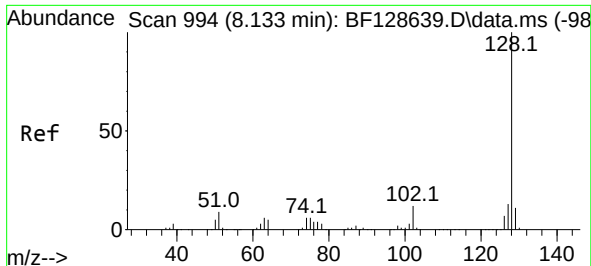
Tgt Ion: 82 Resp: 44417
Ion Ratio Lower Upper
82 100
128 41.0 34.0 51.0
54 57.5 46.9 70.3



#25
Isophorone
Concen: 3.737 ng
RT: 7.363 min Scan# 863
Delta R.T. -0.277 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion: 82 Resp: 44306
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#

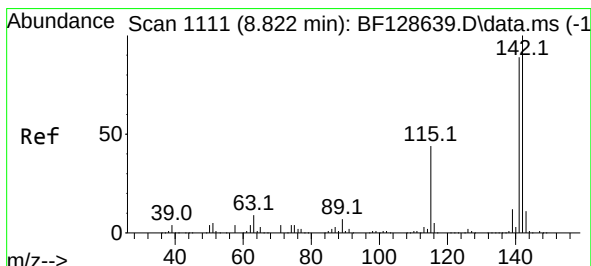
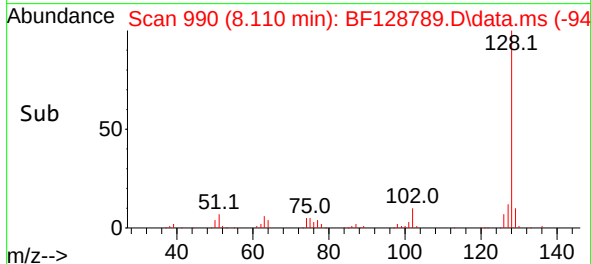
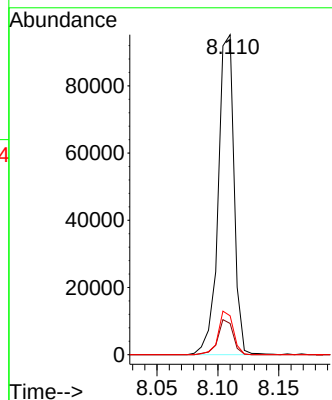
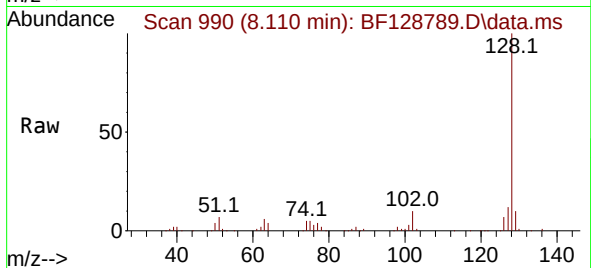




#31
Naphthalene
Concen: 4.620 ng
RT: 8.110 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

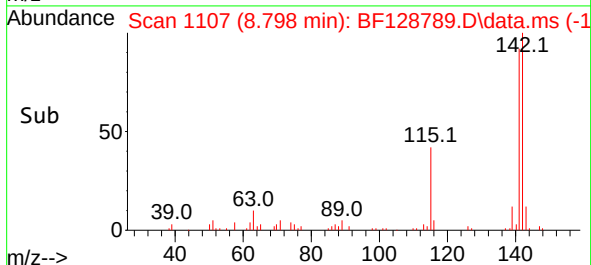
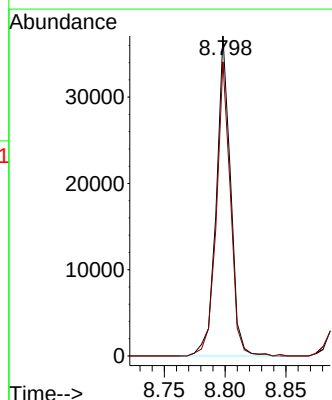
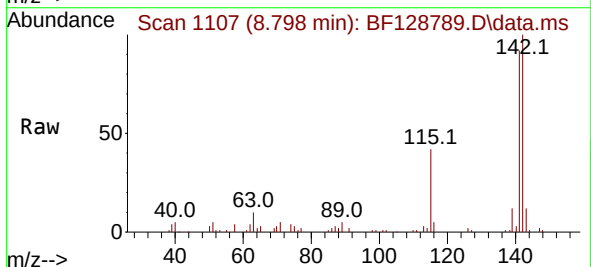
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

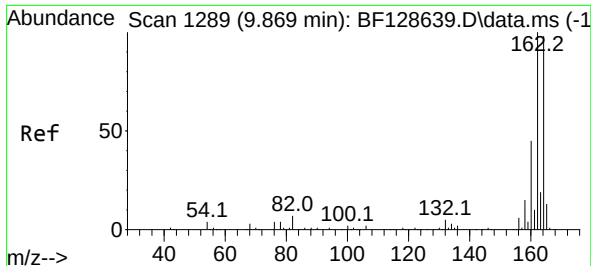
Tgt Ion:128 Resp: 86172
Ion Ratio Lower Upper
128 100
129 9.8 9.2 13.8
127 12.2 10.5 15.7



#37
2-Methylnaphthalene
Concen: 2.541 ng
RT: 8.798 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:142 Resp: 30142
Ion Ratio Lower Upper
142 100
141 91.9 71.0 106.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1419

Delta R.T. -0.012 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

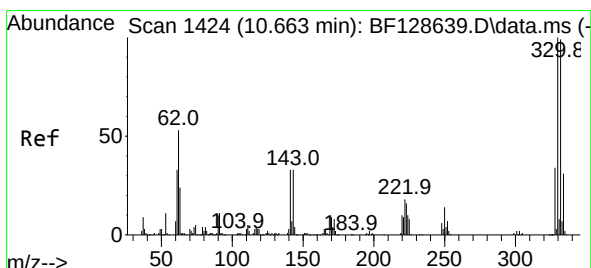
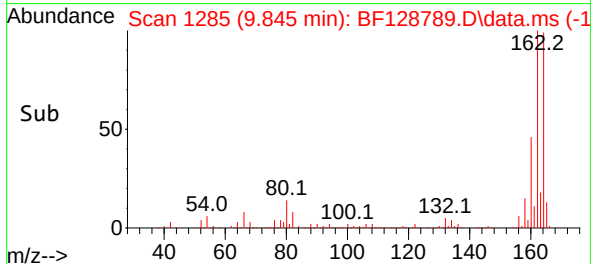
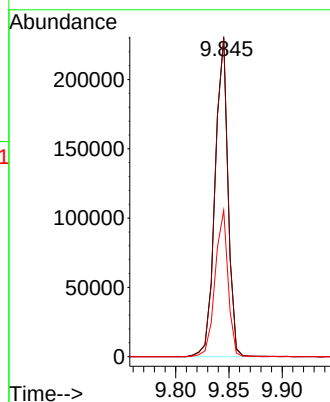
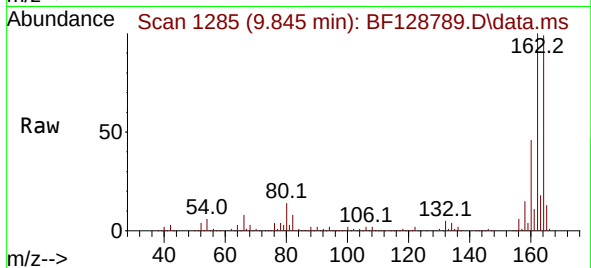
Tgt Ion:164 Resp: 193996

Ion Ratio Lower Upper

164 100

162 100.6 79.5 119.3

160 45.9 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 6.609 ng

RT: 10.633 min Scan# 1419

Delta R.T. -0.018 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

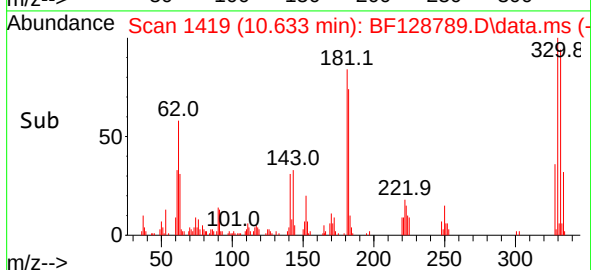
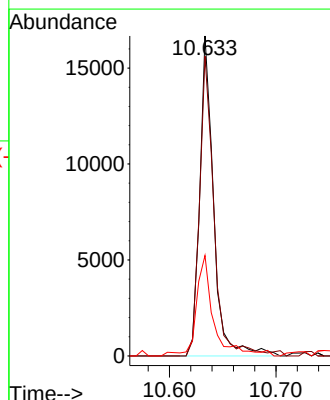
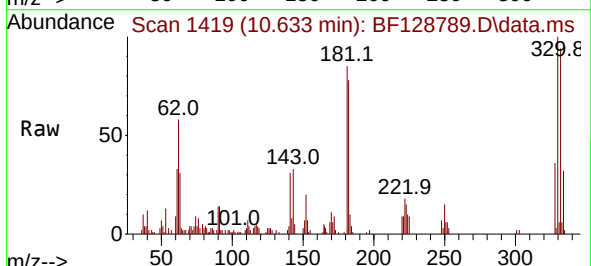
Tgt Ion:330 Resp: 15149

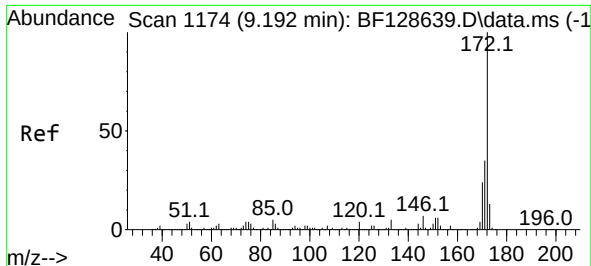
Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

141 38.9 28.0 42.0

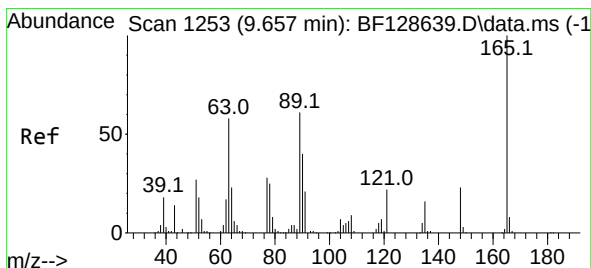
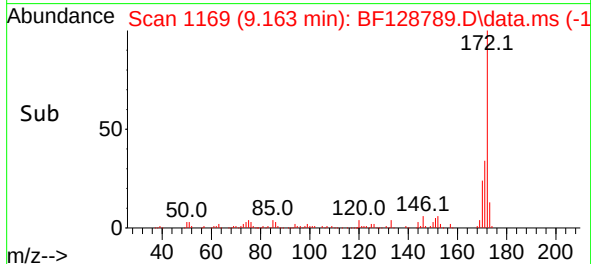
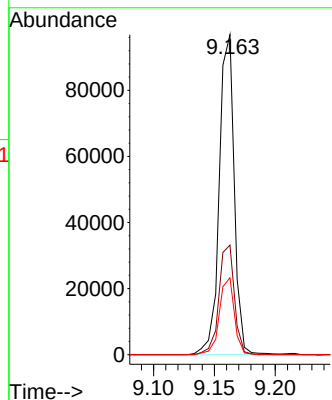
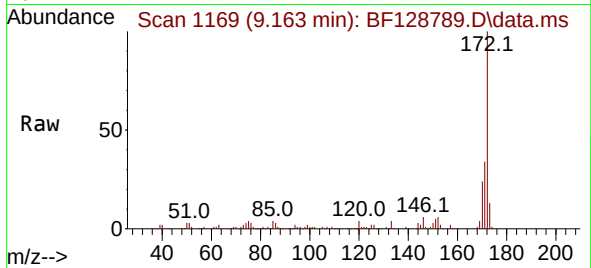




#45
2-Fluorobiphenyl
Concen: 6.021 ng
RT: 9.163 min Scan# 1174
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

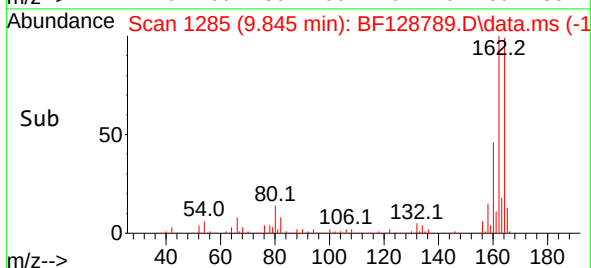
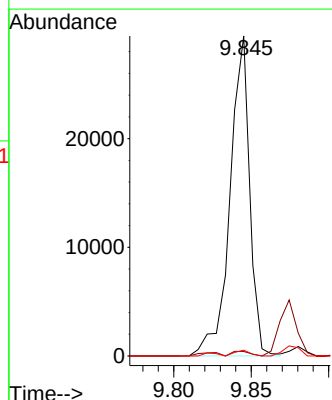
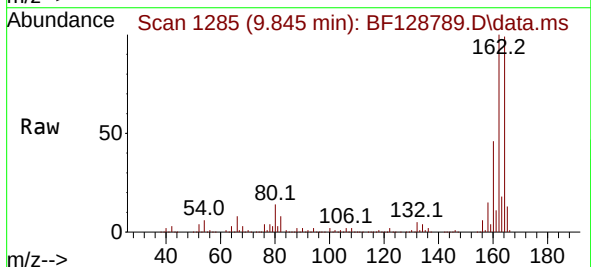
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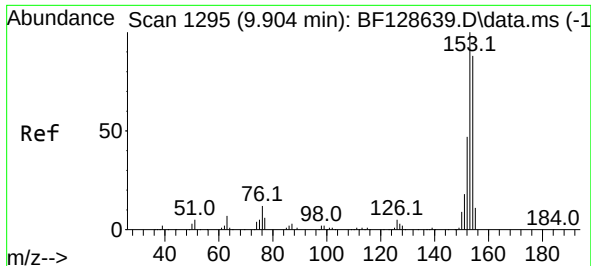
Tgt Ion:172 Resp: 83389
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 24.1 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 9.913 ng
RT: 9.845 min Scan# 1285
Delta R.T. 0.200 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:165 Resp: 25981
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.8 43.6 65.4#

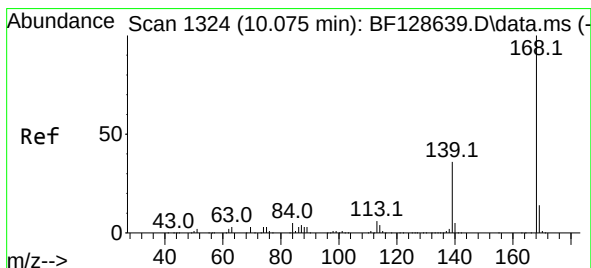
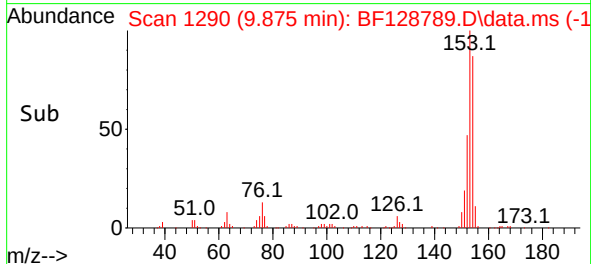
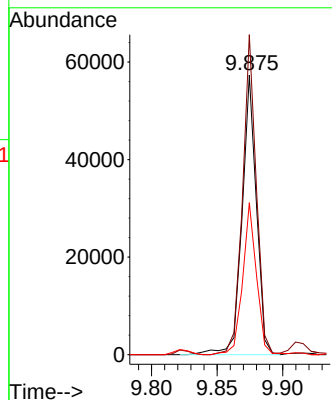
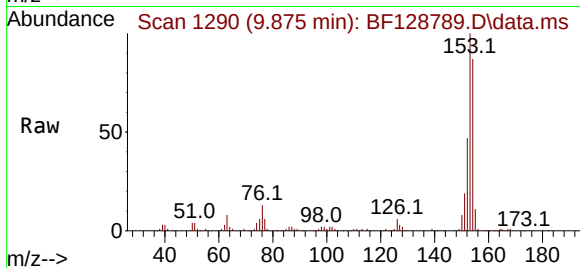




#52
Acenaphthene
Concen: 3.945 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

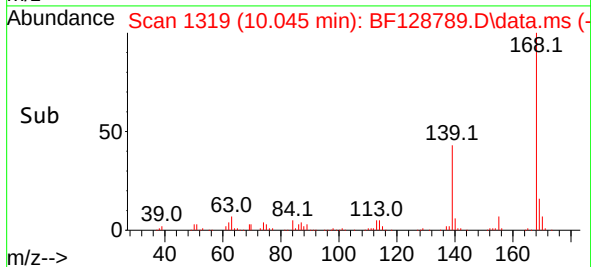
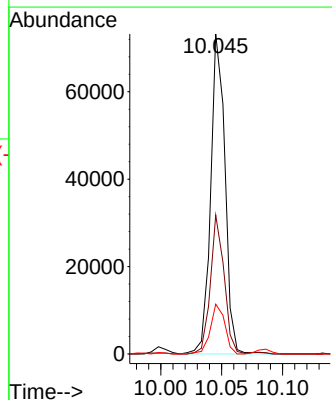
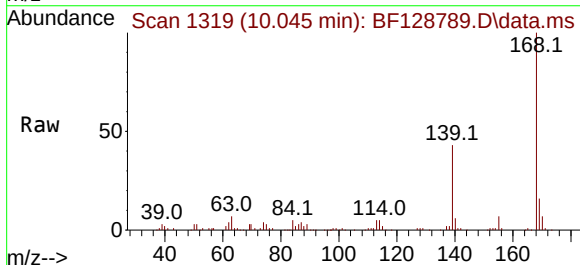
Instrument :
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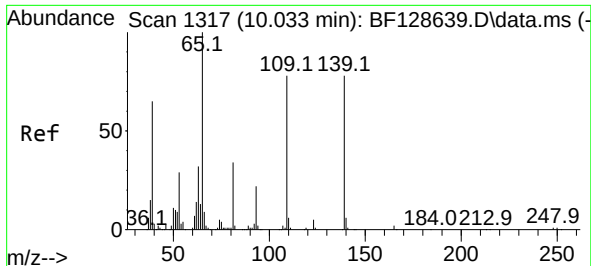
Tgt Ion:154 Resp: 43689
Ion Ratio Lower Upper
154 100
153 114.4 89.6 134.4
152 54.4 42.4 63.6



#55
Dibenzofuran
Concen: 3.754 ng
RT: 10.045 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:168 Resp: 59735
Ion Ratio Lower Upper
168 100
139 43.4 30.6 46.0
169 15.6 11.0 16.6

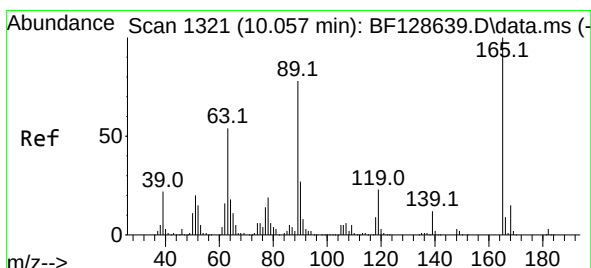
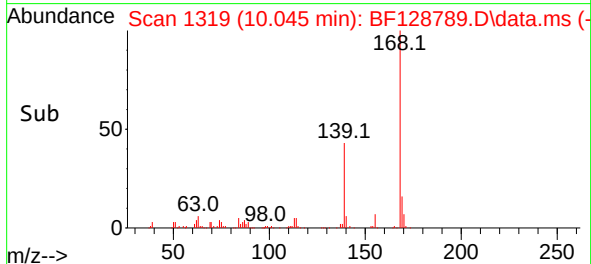
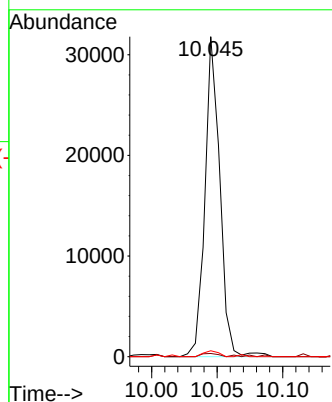
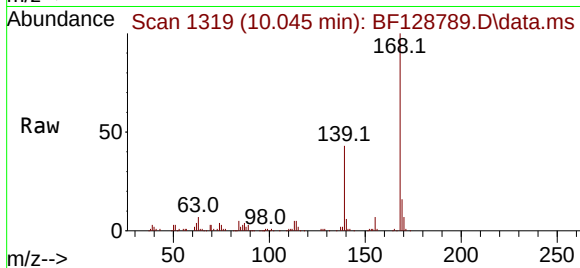




#56
4-Nitrophenol
Concen: 12.235 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

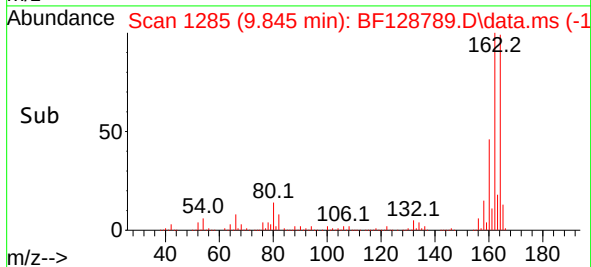
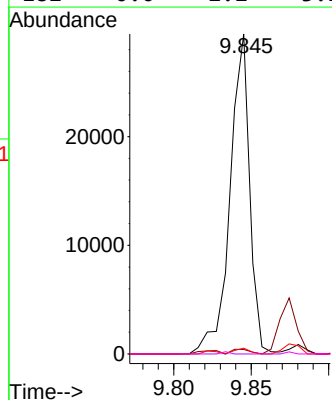
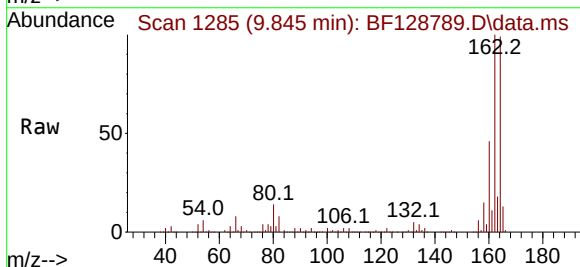
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

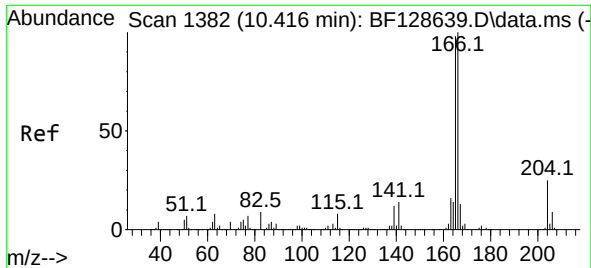
Tgt Ion:139 Resp: 25227
Ion Ratio Lower Upper
139 100
109 1.0 50.7 90.7#
65 1.9 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 7.428 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.200 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:165 Resp: 25981
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.8 60.2 90.2#
182 0.0 2.2 3.2#

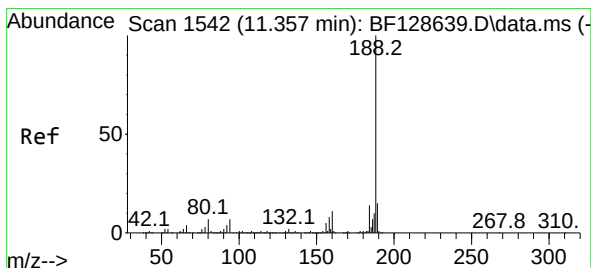
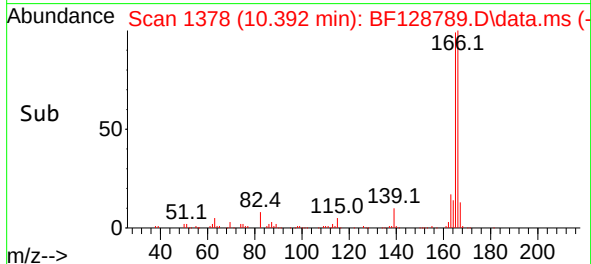
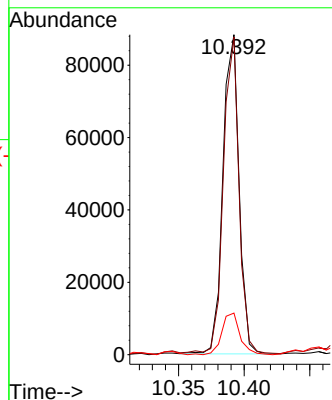
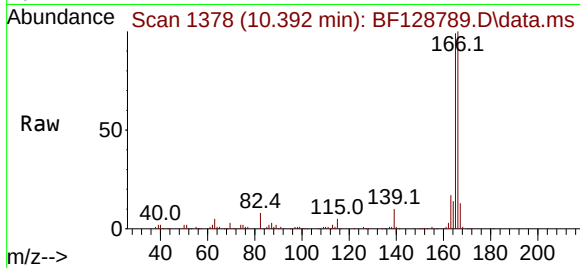




#58
Fluorene
Concen: 6.106 ng
RT: 10.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

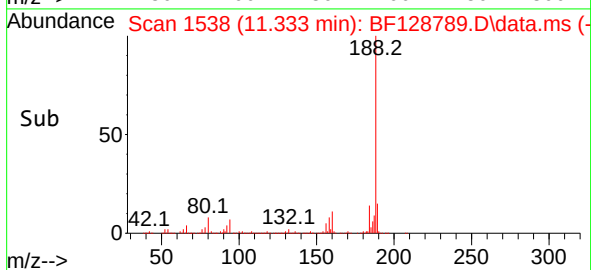
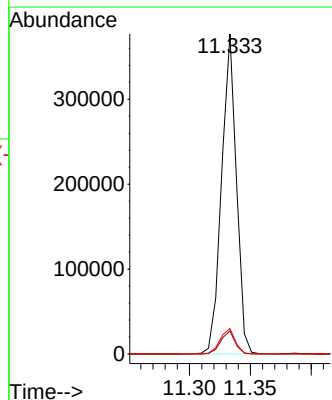
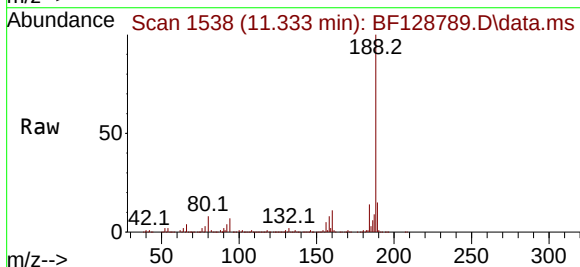
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

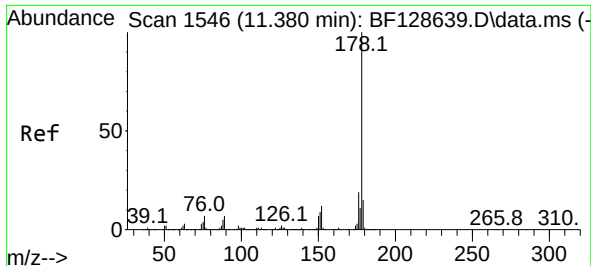
Tgt Ion:166 Resp: 75354
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 13.0 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:188 Resp: 319991
Ion Ratio Lower Upper
188 100
94 7.2 7.0 10.6
80 7.9 7.6 11.4

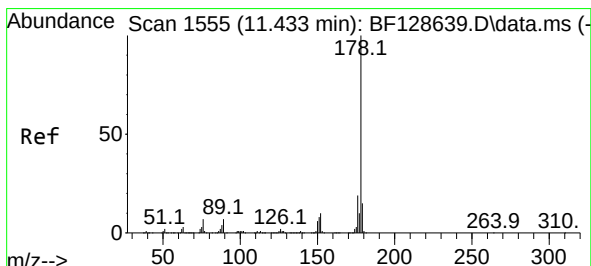
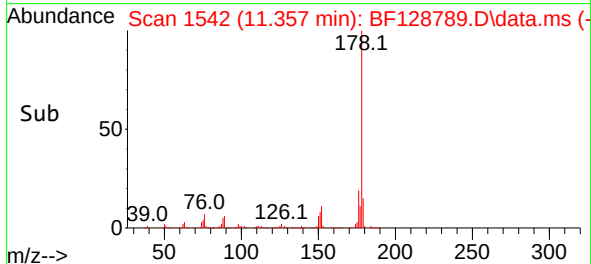
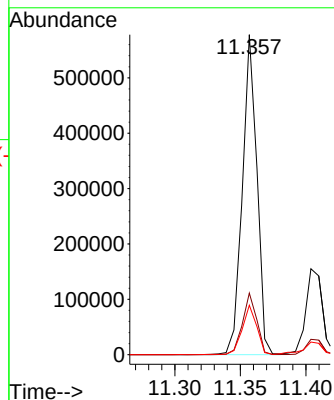
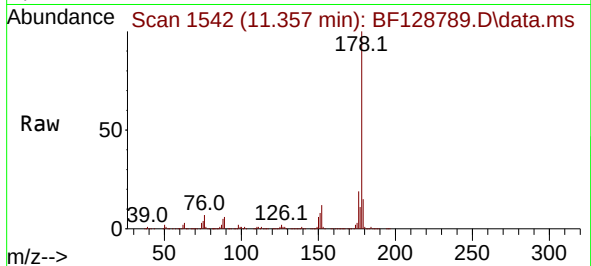




#71
Phenanthrene
Concen: 27.835 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

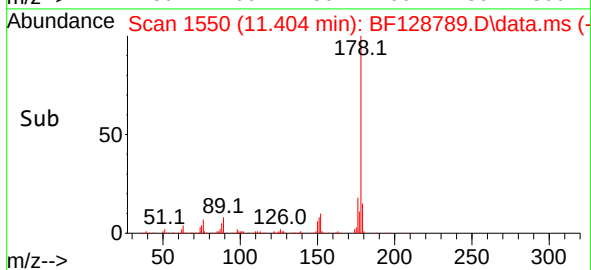
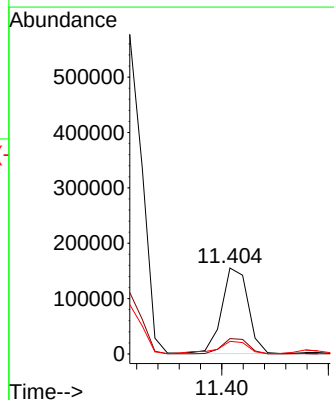
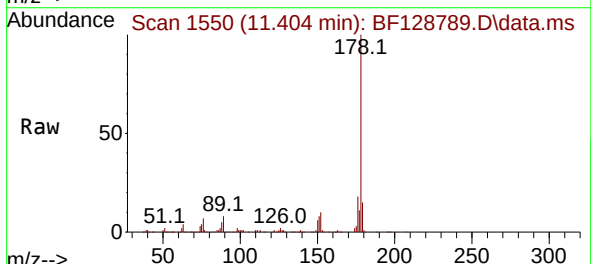
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

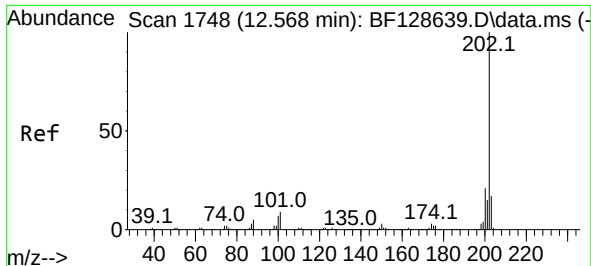
Tgt Ion:178 Resp: 446752
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.5 12.6 19.0



#72
Anthracene
Concen: 8.369 ng
RT: 11.404 min Scan# 1550
Delta R.T. -0.018 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:178 Resp: 132955
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 14.7 12.6 19.0

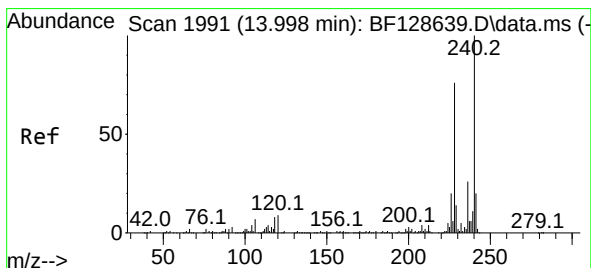
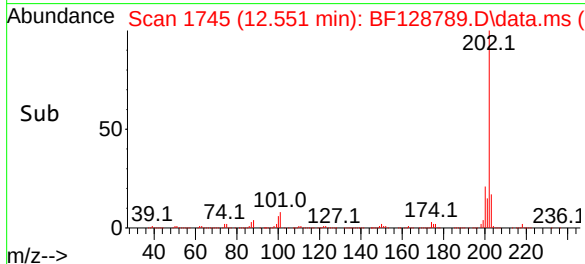
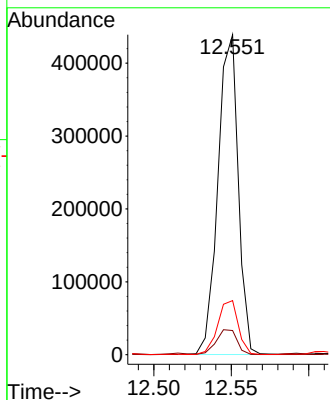
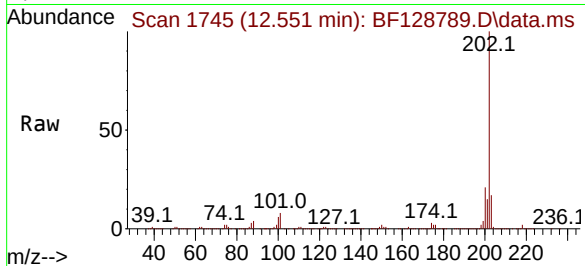




#75
Fluoranthene
Concen: 23.834 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

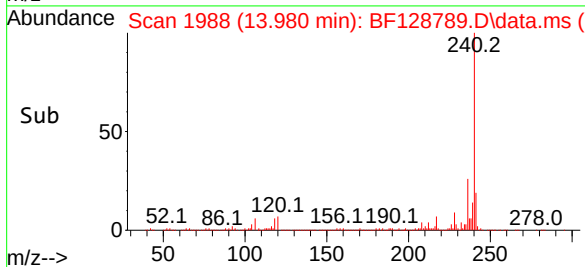
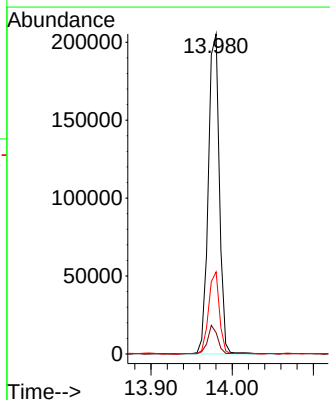
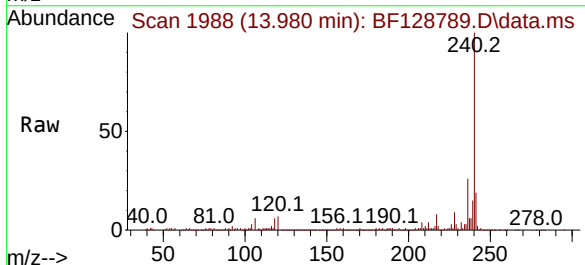
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

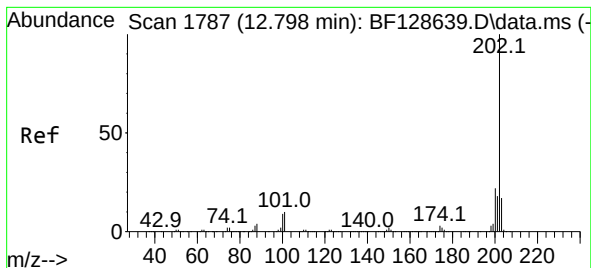
Tgt Ion:202 Resp: 399860
Ion Ratio Lower Upper
202 100
101 7.5 0.0 31.4
203 16.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:240 Resp: 194030
Ion Ratio Lower Upper
240 100
120 6.7 8.9 13.3#
236 25.7 20.8 31.2





#78

Pyrene

Concen: 21.793 ng

RT: 12.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

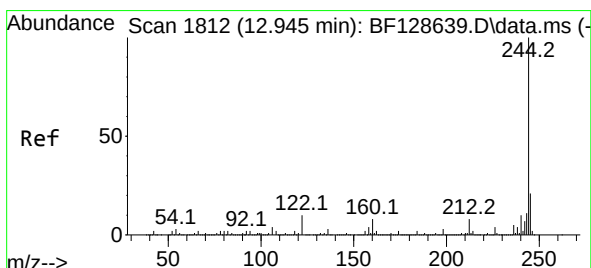
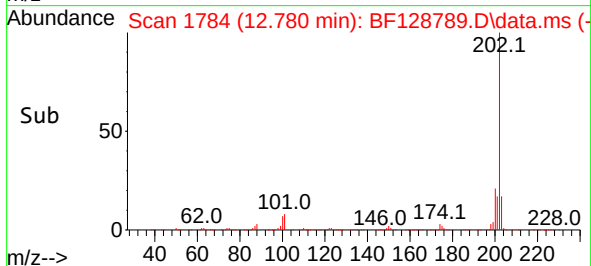
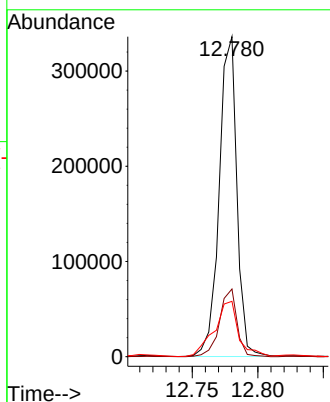
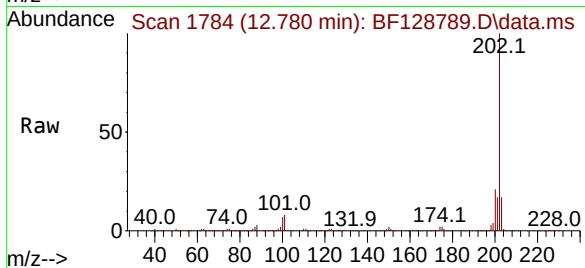
Tgt Ion:202 Resp: 314595

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.3 14.6 21.8



#79

Terphenyl-d14

Concen: 5.964 ng

RT: 12.916 min Scan# 1807

Delta R.T. -0.018 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

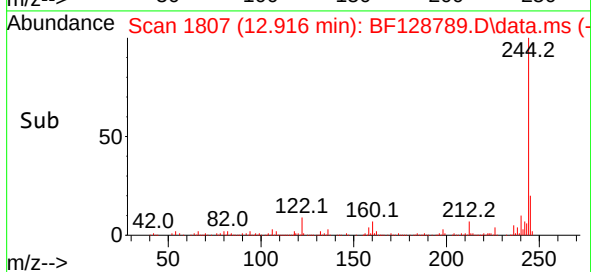
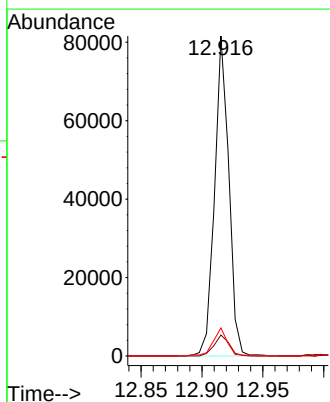
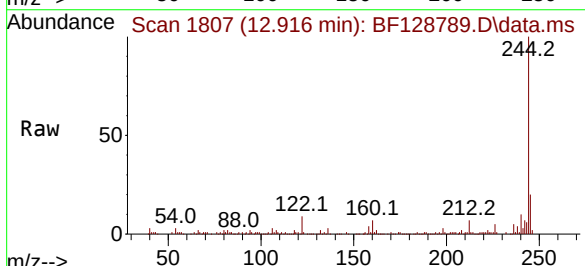
Tgt Ion:244 Resp: 66601

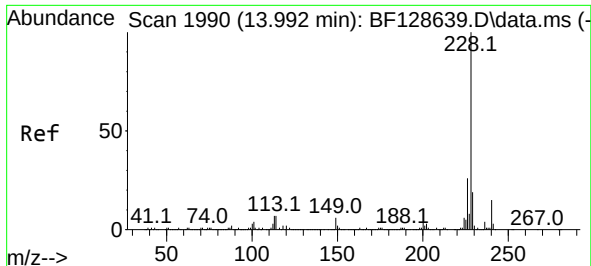
Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

122 8.8 8.8 13.2#

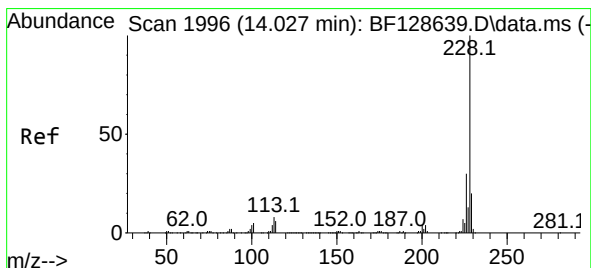
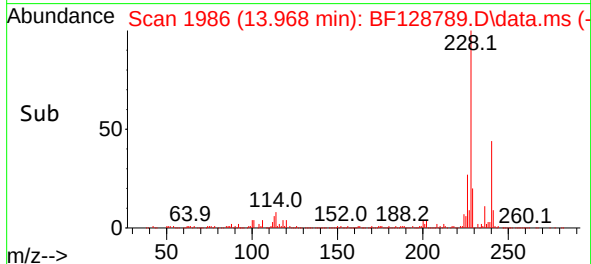
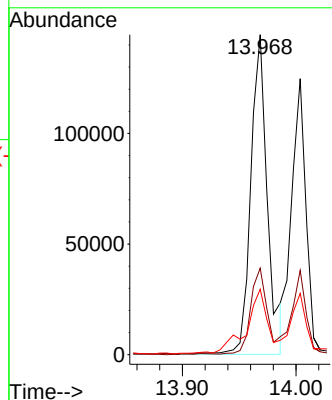
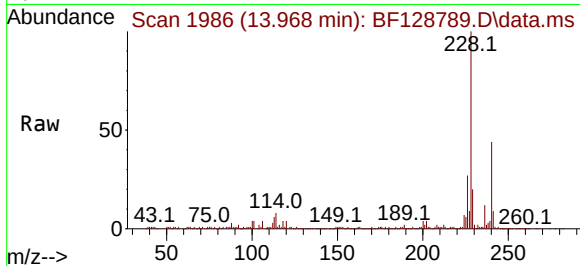




#81
Benzo(a)anthracene
Concen: 12.099 ng
RT: 13.968 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

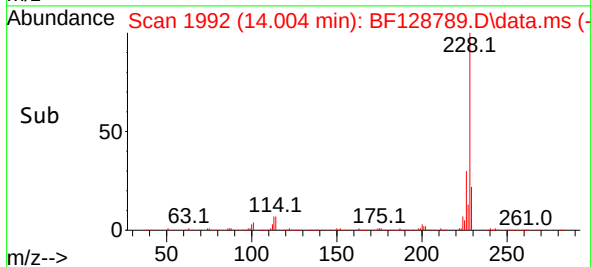
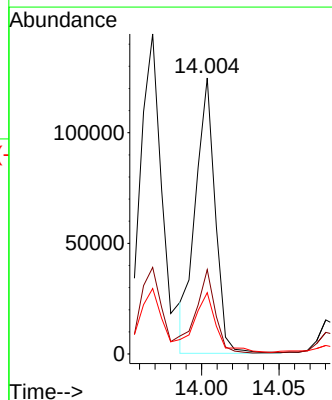
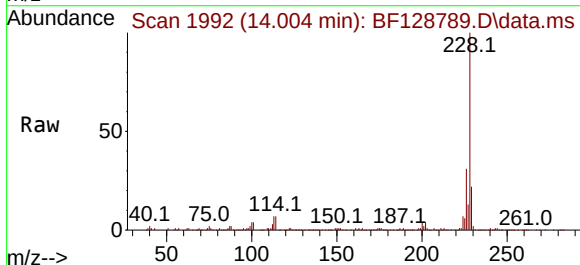
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

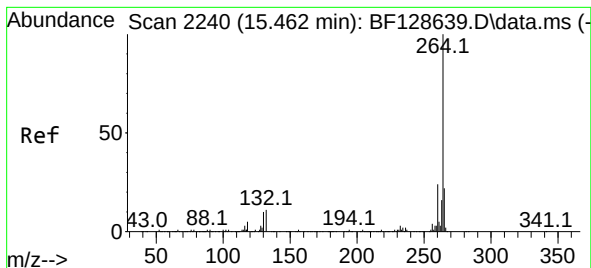
Tgt Ion:228 Resp: 146328
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 20.5 15.8 23.8



#83
Chrysene
Concen: 9.526 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:228 Resp: 109844
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

Instrument :

BNA_F

ClientSampleId :

OR-03-060922DL

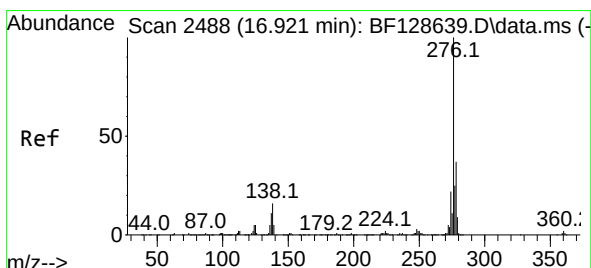
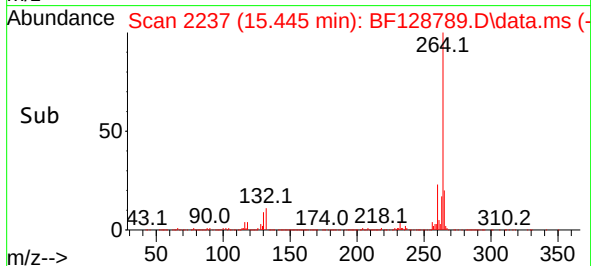
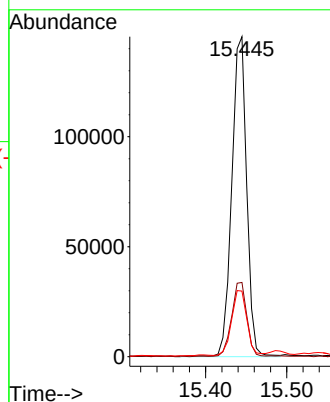
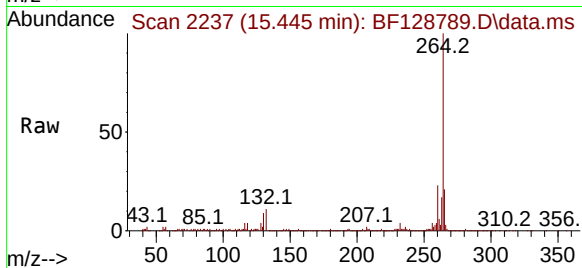
Tgt Ion:264 Resp: 184817

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 20.5 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.756 ng

RT: 16.892 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BF128789.D

Acq: 13 Jun 2022 17:43

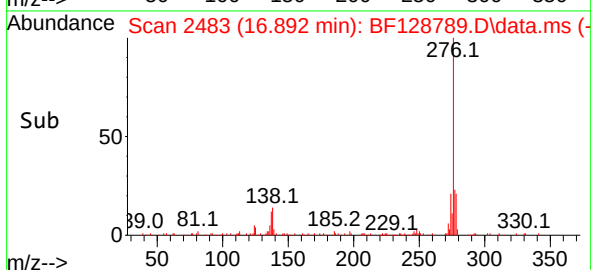
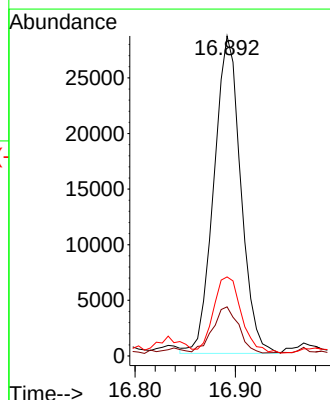
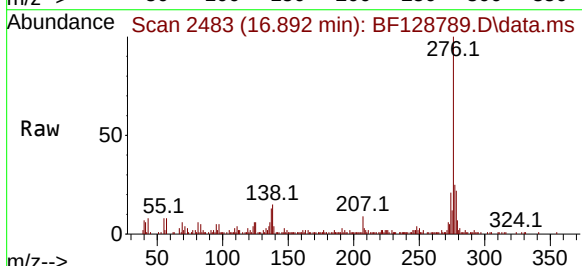
Tgt Ion:276 Resp: 52976

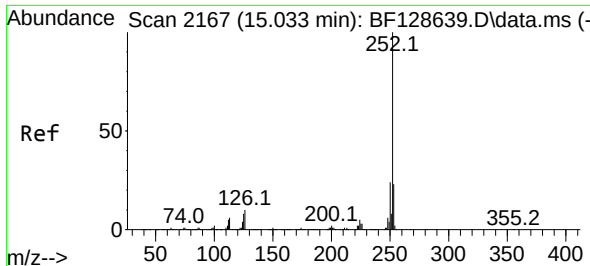
Ion Ratio Lower Upper

276 100

138 14.6 21.1 31.7#

277 24.7 20.3 30.5

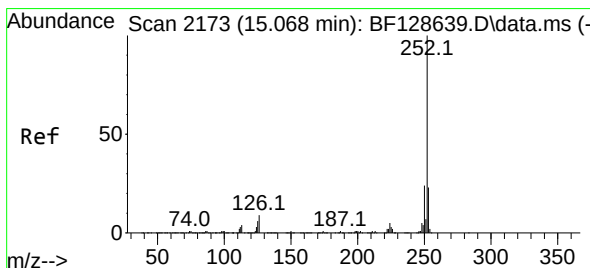
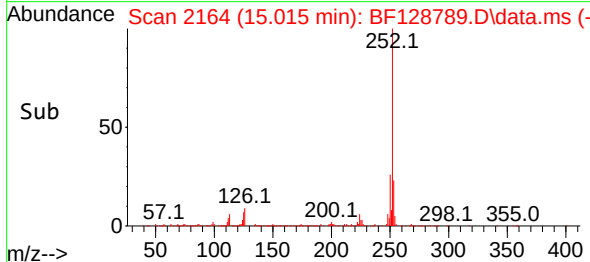
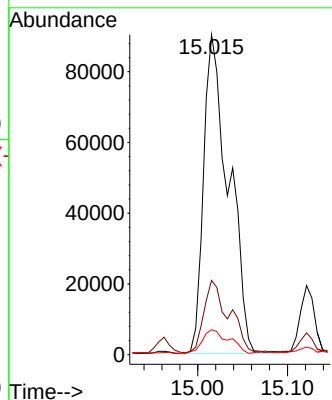
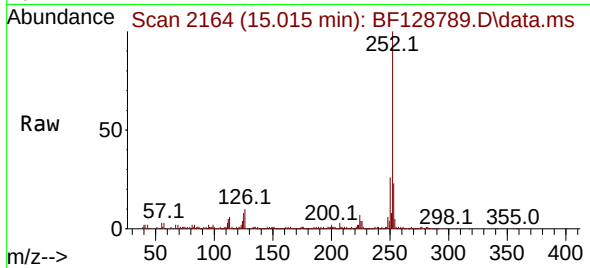




#88
Benzo(b)fluoranthene
Concen: 14.864 ng
RT: 15.015 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

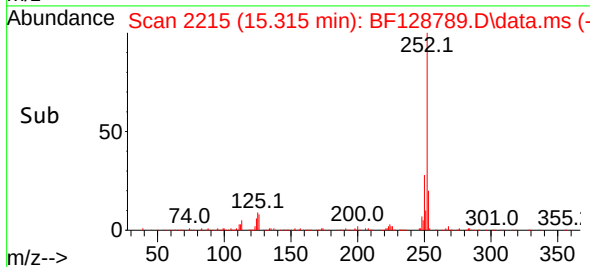
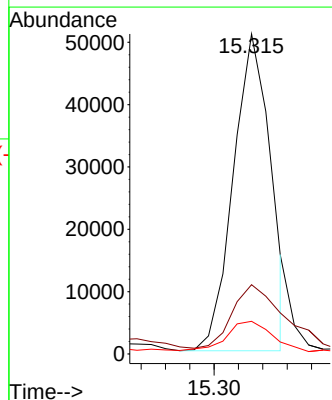
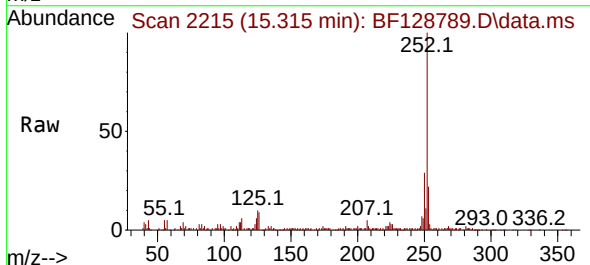
Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

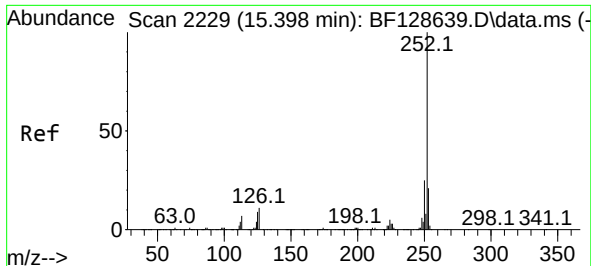
Tgt Ion:252 Resp: 175533
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 7.8 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 4.901 ng
RT: 15.315 min Scan# 2215
Delta R.T. 0.264 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:252 Resp: 54450
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 10.2 8.3 12.5

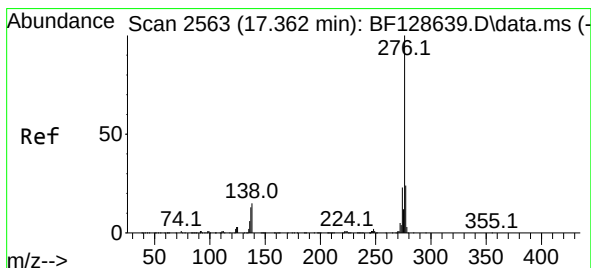
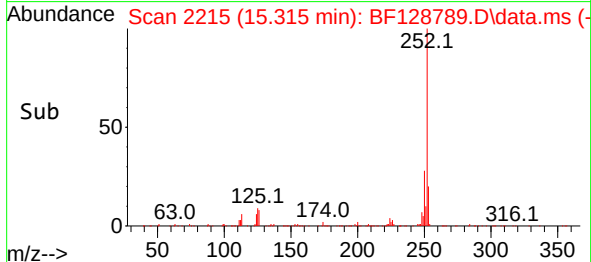
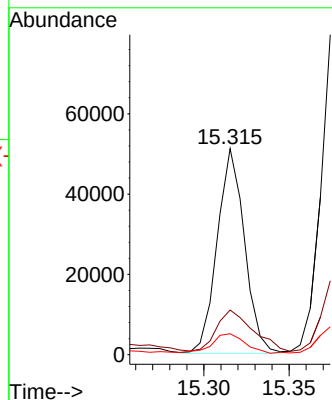
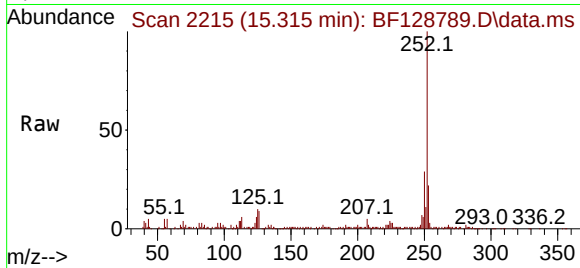




#90
Benzo(a)pyrene
Concen: 6.116 ng
RT: 15.315 min Scan# 21
Delta R.T. -0.071 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Instrument :
BNA_F
ClientSampleId :
OR-03-060922DL

Tgt Ion:252 Resp: 56771
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 10.2 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 5.105 ng
RT: 17.333 min Scan# 2558
Delta R.T. -0.006 min
Lab File: BF128789.D
Acq: 13 Jun 2022 17:43

Tgt Ion:276 Resp: 46750
Ion Ratio Lower Upper
276 100
277 26.4 19.1 28.7
138 13.1 18.0 27.0#

