

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
 Data File : BF129181.D
 Acq On : 08 Jul 2022 18:15
 Operator : CG\JU
 Sample : N3605-03RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622RE

Quant Time: Jul 08 23:24:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 23:22:06 2022
 Response via : Initial Calibration

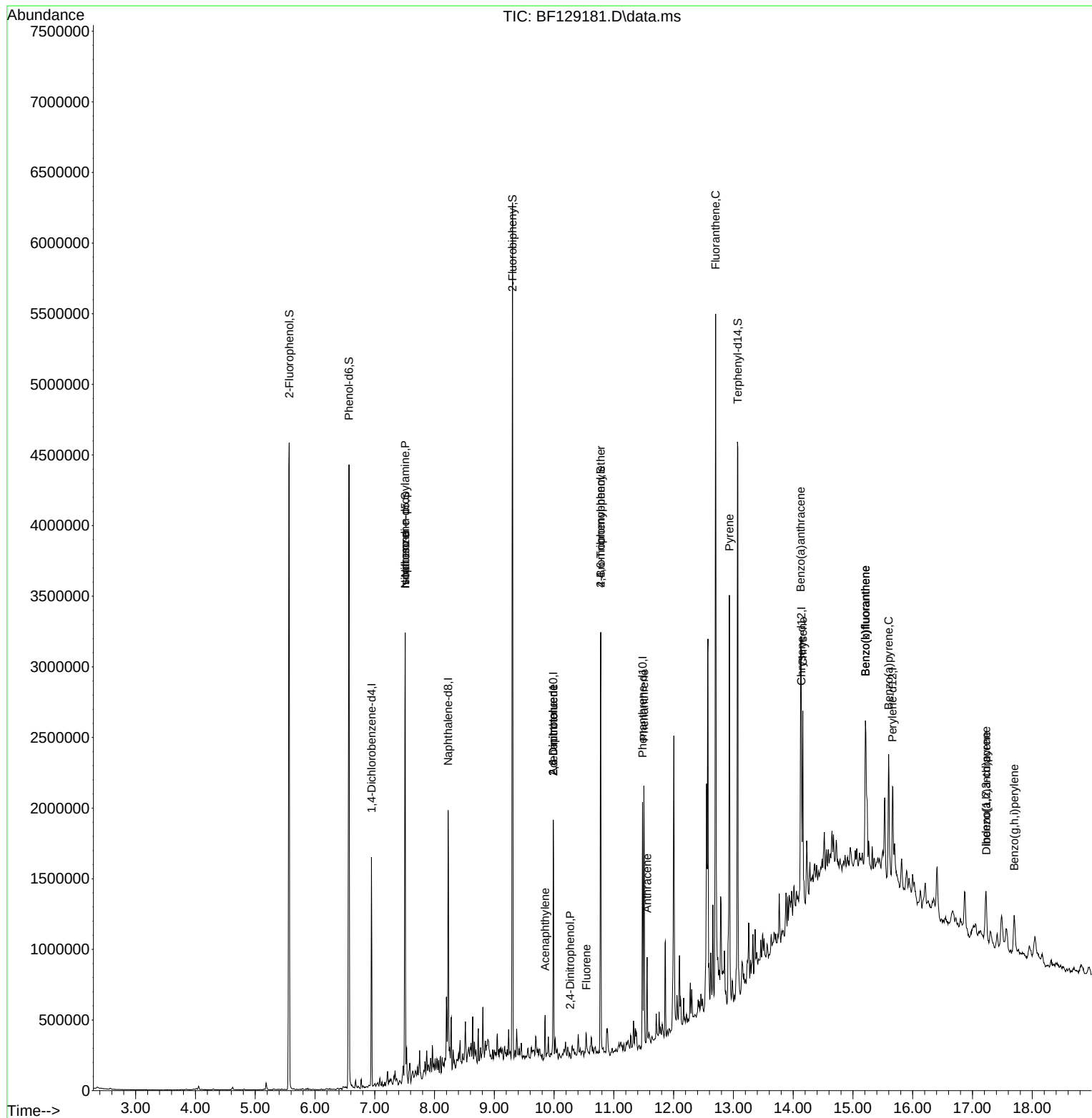
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	221106	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	730267	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	323121	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	575496	20.000	ng	# 0.00
76) Chrysene-d12	14.139	240	340243	20.000	ng	0.00
86) Perylene-d12	15.663	264	254597	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1362350	104.169	ng	0.00
7) Phenol-d6	6.569	99	1579392	97.236	ng	0.00
23) Nitrobenzene-d5	7.510	82	940997	76.858	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	361898	103.003	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1657464	82.062	ng	0.00
79) Terphenyl-d14	13.074	244	1464274	89.370	ng	0.00
Target Compounds						
9) Benzaldehyde	6.498	77	460	Below Cal		Qvalue # 41
19) n-Nitroso-di-n-propyla...	7.510	70	133620	14.221	ng	# 70
25) Isophorone	7.510	82	940997	45.477	ng	# 66
49) Acenaphthylene	9.851	152	111710	4.098	ng	99
51) 2,6-Dinitrotoluene	9.986	165	43970	10.645	ng	# 26
54) 2,4-Dinitrophenol	10.269	184	93	6.904	ng	# 1
57) 2,4-Dinitrotoluene	9.986	165	43970	8.622	ng	# 22
58) Fluorene	10.539	166	40537	2.027	ng	97
67) 4-Bromophenyl-phenylether	10.780	248	21802	3.561	ng	# 1
71) Phenanthrene	11.504	178	618274	22.485	ng	99
72) Anthracene	11.557	178	224632	8.286	ng	100
75) Fluoranthene	12.704	202	1676366	58.295	ng	98
78) Pyrene	12.933	202	1120780	47.522	ng	98
81) Benzo(a)anthracene	14.127	228	580931	27.963	ng	95
83) Chrysene	14.163	228	487101	25.256	ng	97
87) Indeno(1,2,3-cd)pyrene	17.227	276	246589	15.792	ng	# 94
88) Benzo(b)fluoranthene	15.210	252	797331	52.074	ng	# 94
89) Benzo(k)fluoranthene	15.210	252	797331	53.689	ng	95
90) Benzo(a)pyrene	15.598	252	395940	31.721	ng	94
91) Dibenzo(a,h)anthracene	17.233	278	60495	4.752	ng	# 74
92) Benzo(g,h,i)perylene	17.698	276	229763	17.991	ng	97

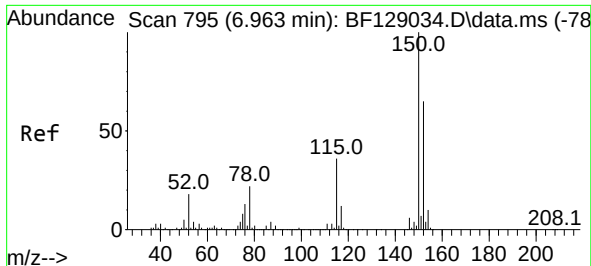
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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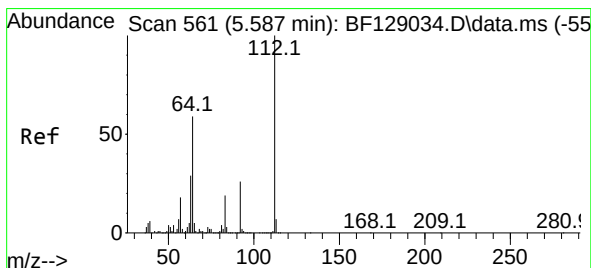
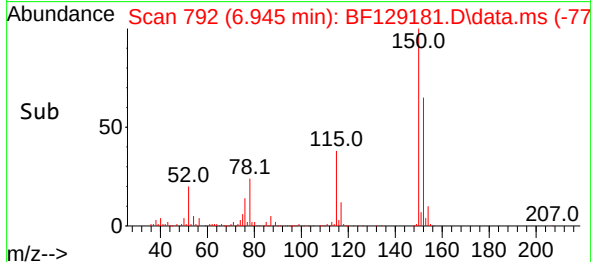
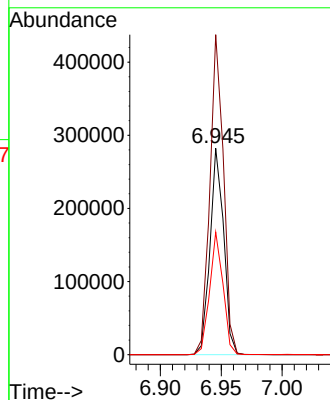
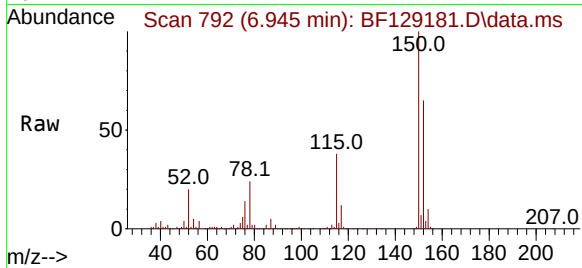




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

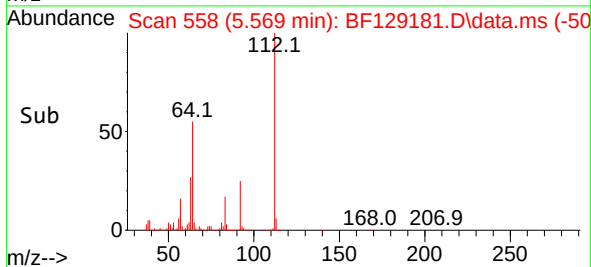
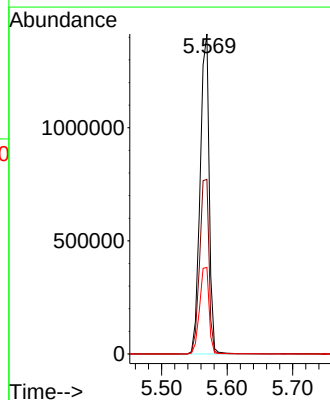
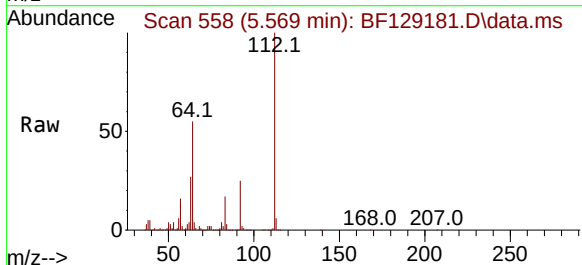
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

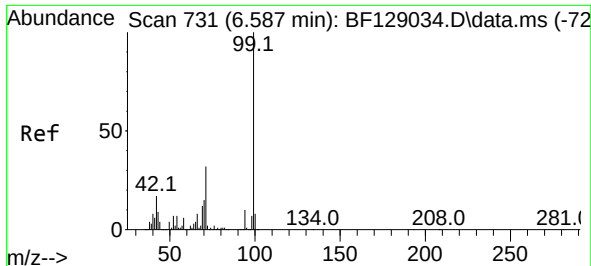
Tgt Ion:152 Resp: 221106
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 59.4 49.9 74.9



#5
2-Fluorophenol
Concen: 104.169 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:112 Resp: 1362350
Ion Ratio Lower Upper
112 100
64 54.6 53.3 79.9
63 27.0 28.0 42.0#





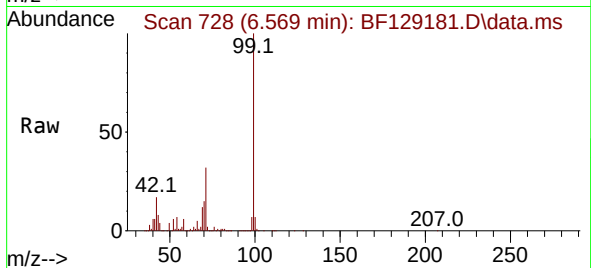
#7
Phenol-d6
Concen: 97.236 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

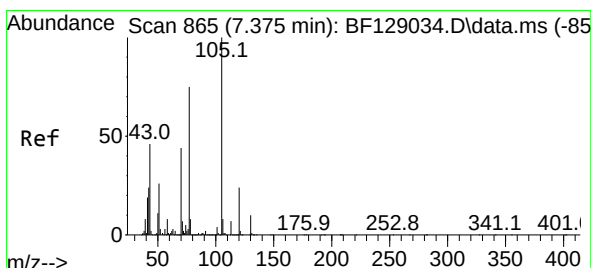
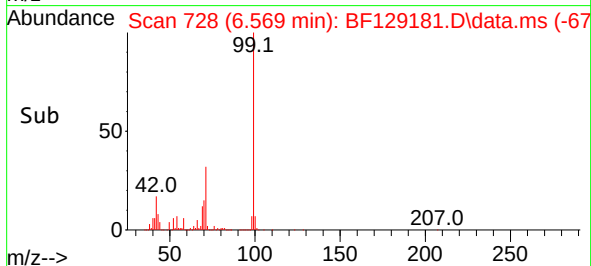
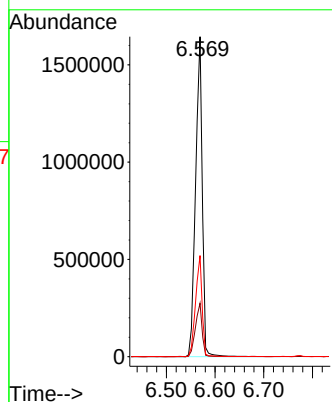
ClientSampleId :

OE-3-070622RE



Tgt Ion: 99 Resp: 1579392

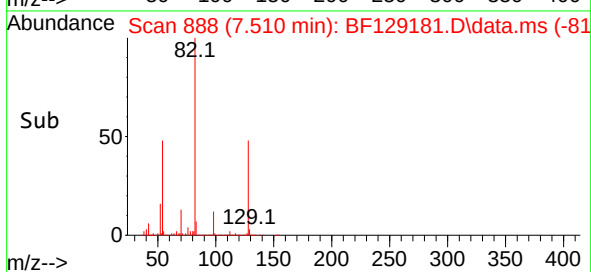
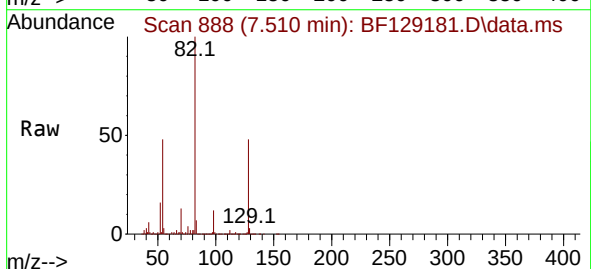
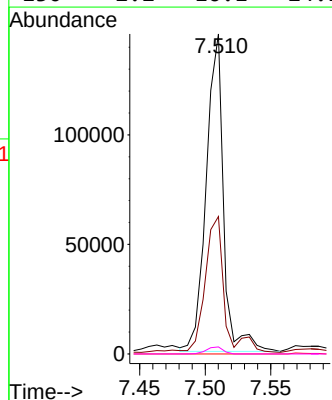
Ion	Ratio	Lower	Upper
99	100		
42	16.7	17.3	25.9#
71	31.6	28.9	43.3

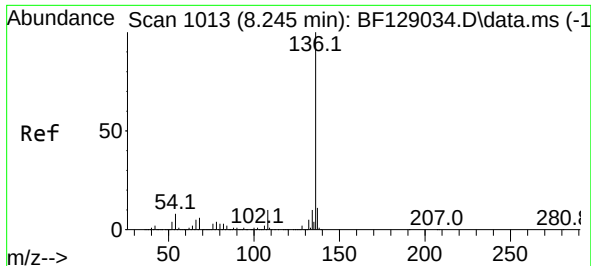


#19
n-Nitroso-di-n-propylamine
Concen: 14.221 ng
RT: 7.510 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion: 70 Resp: 133620

Ion	Ratio	Lower	Upper
70	100		
42	42.9	52.3	78.5#
101	0.0	7.5	11.3#
130	2.2	16.1	24.1#

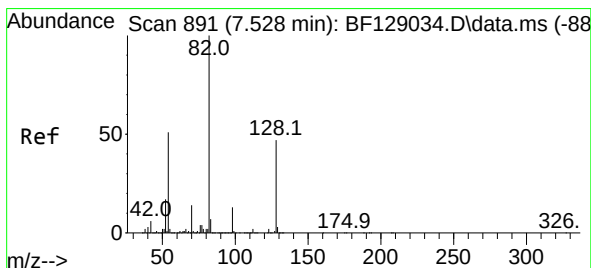
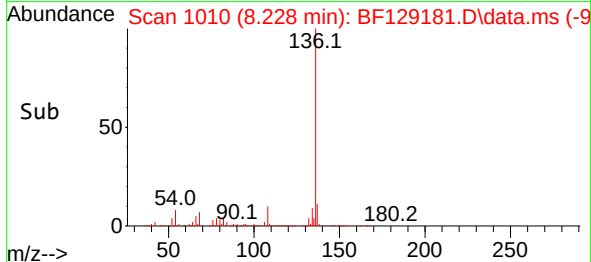
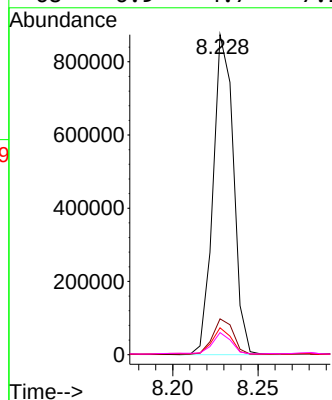
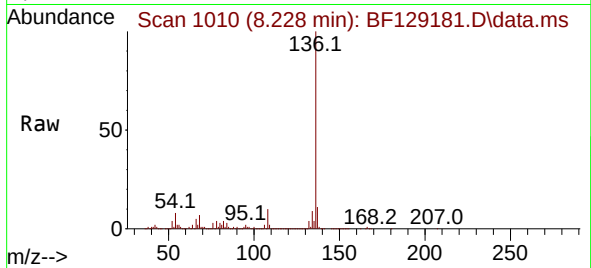




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

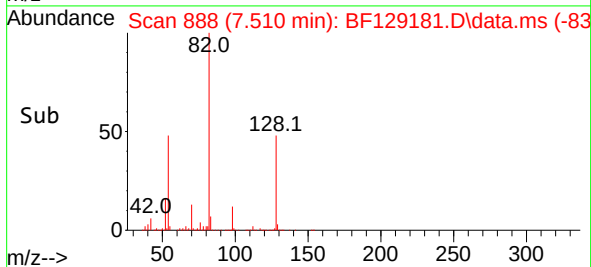
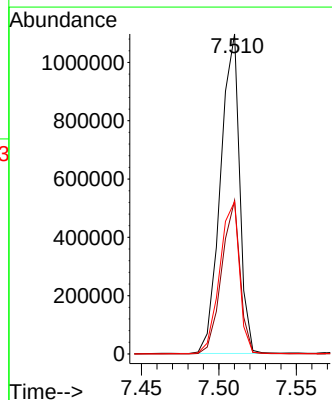
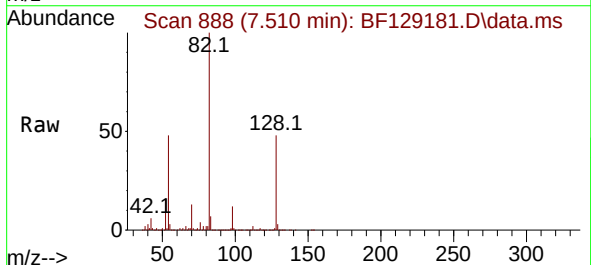
Instrument :
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OE-3-070622RE

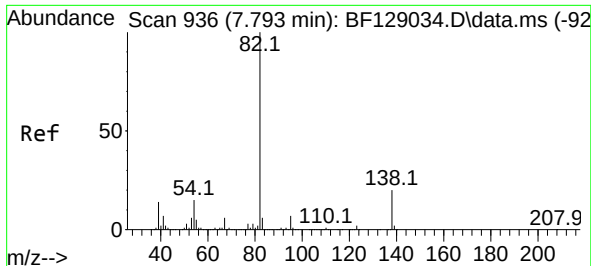
Tgt Ion:136 Resp: 730267
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.4 7.5 11.3
68 6.9 4.7 7.1



#23
Nitrobenzene-d5
Concen: 76.858 ng
RT: 7.510 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion: 82 Resp: 940997
Ion Ratio Lower Upper
82 100
128 48.0 34.0 51.0
54 47.6 46.9 70.3

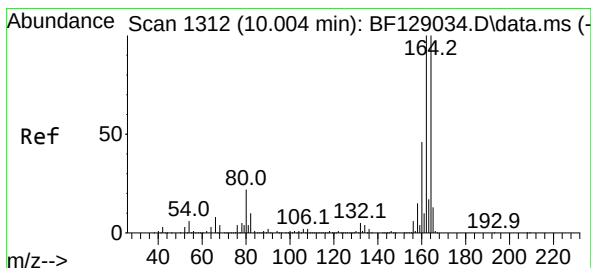
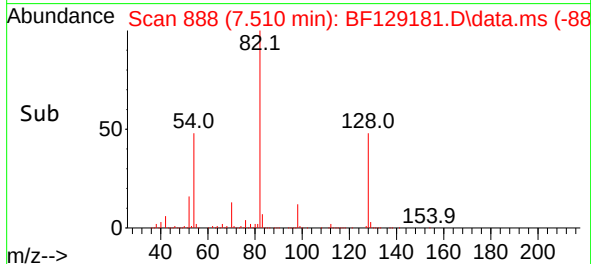
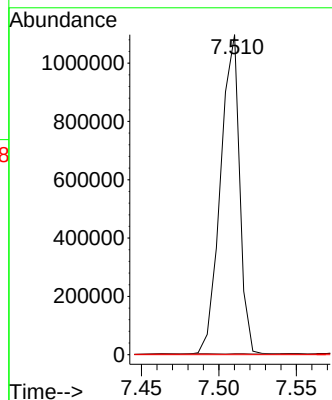
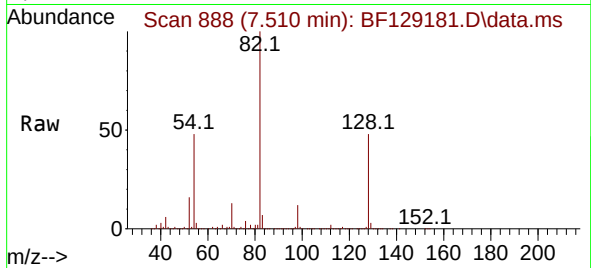




#25
Isophorone
Concen: 45.477 ng
RT: 7.510 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

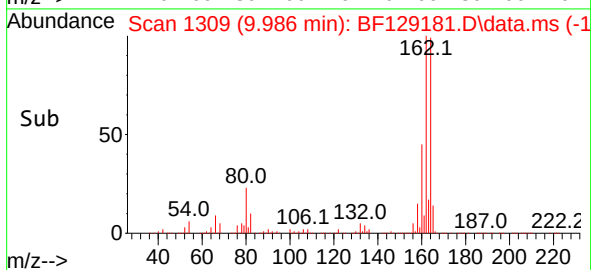
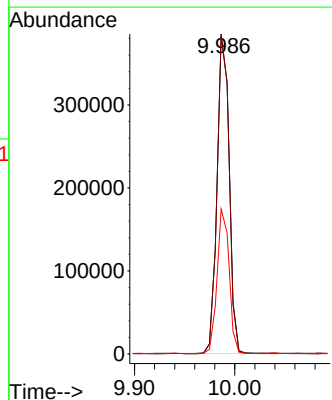
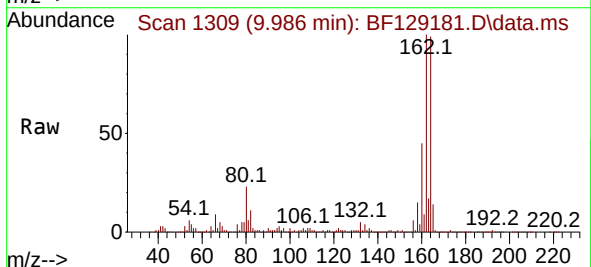
Instrument :
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ClientSampleId :
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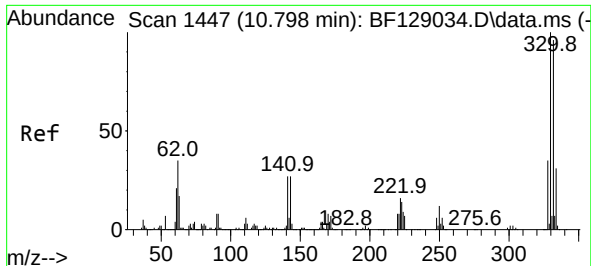
Tgt Ion: 82 Resp: 940997
Ion Ratio Lower Upper
82 100
95 0.3 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion: 164 Resp: 323121
Ion Ratio Lower Upper
164 100
162 100.5 79.5 119.3
160 45.6 34.2 51.4

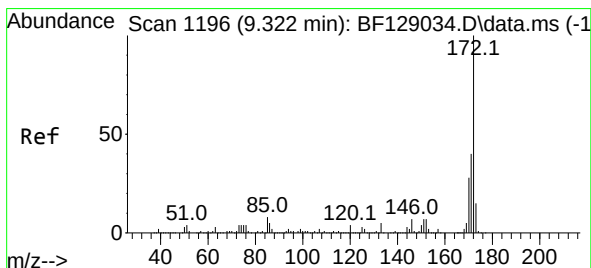
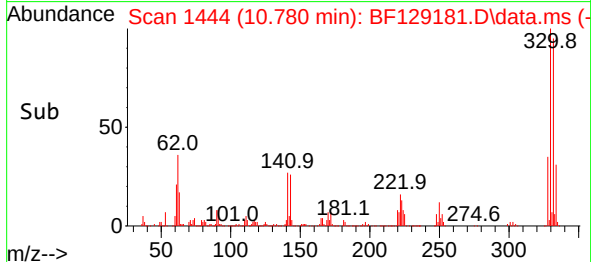
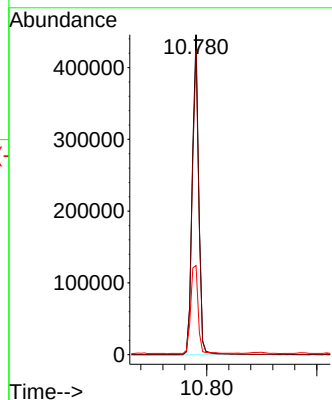
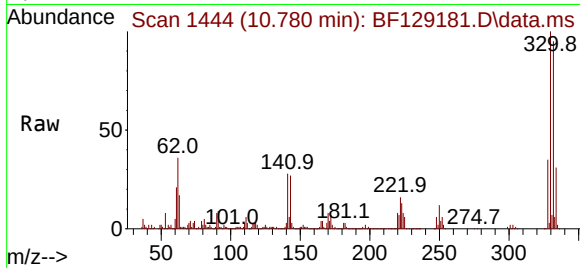




#42
2,4,6-Tribromophenol
Concen: 103.003 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

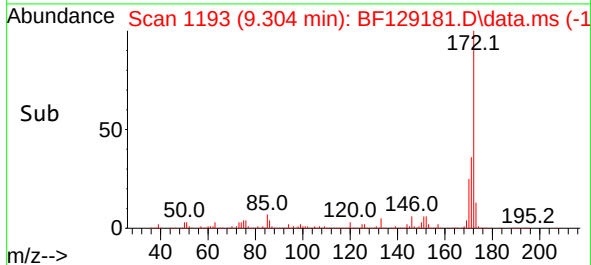
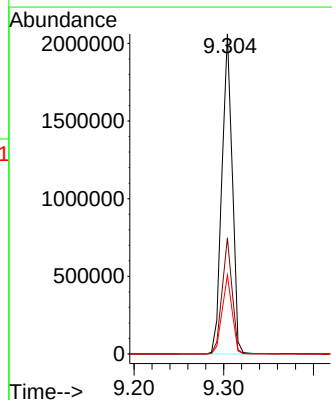
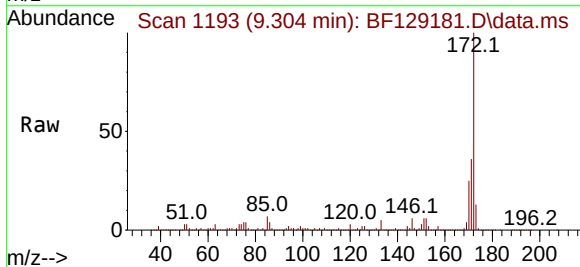
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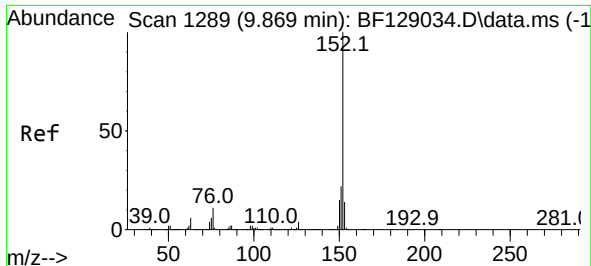
Tgt Ion:330 Resp: 361898
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 31.5 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 82.062 ng
RT: 9.304 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:172 Resp: 1657464
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 24.6 19.8 29.8





#49

Acenaphthylene

Concen: 4.098 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

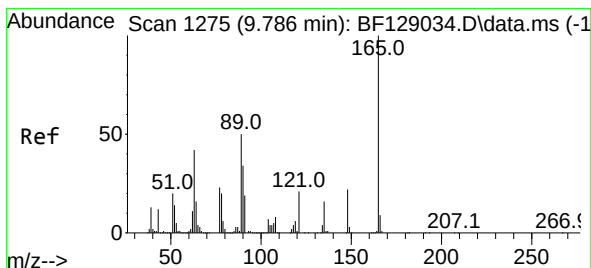
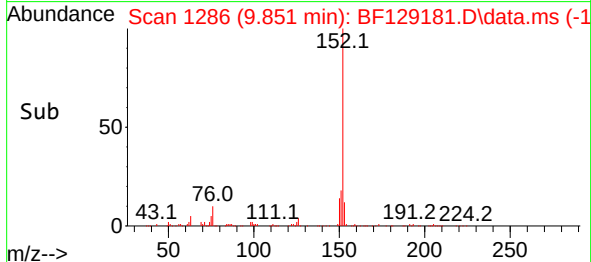
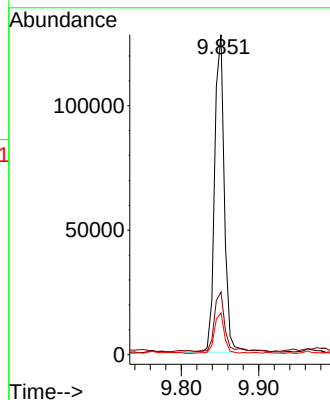
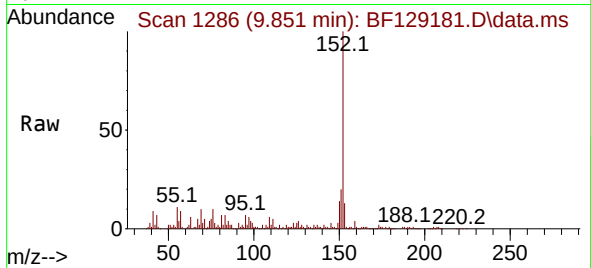
Tgt Ion:152 Resp: 111710

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 13.1 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 10.645 ng

RT: 9.986 min Scan# 1309

Delta R.T. 0.212 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

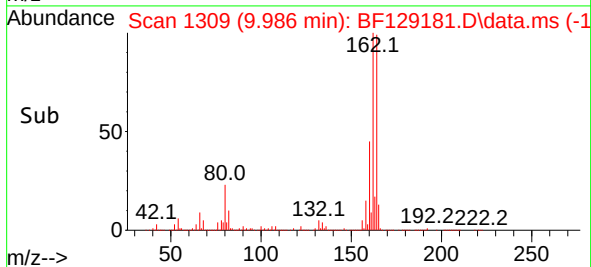
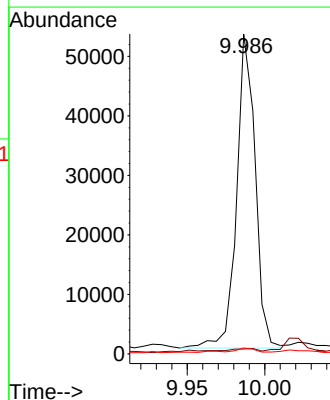
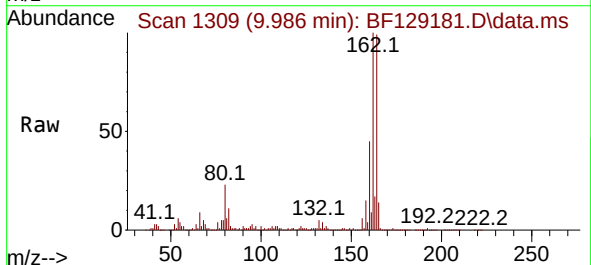
Tgt Ion:165 Resp: 43970

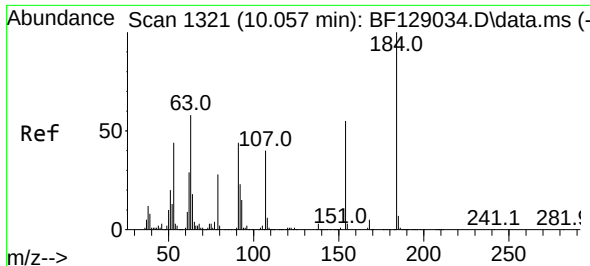
Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.9 43.6 65.4#

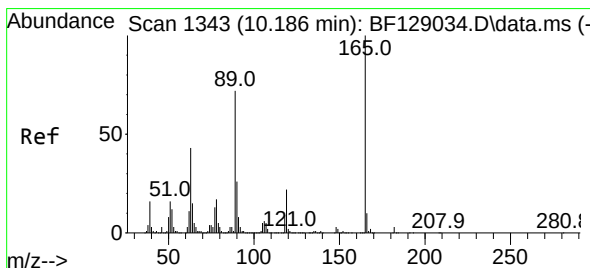
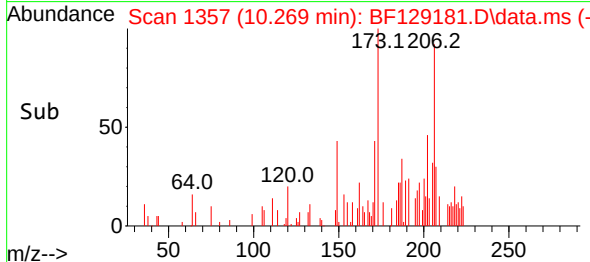
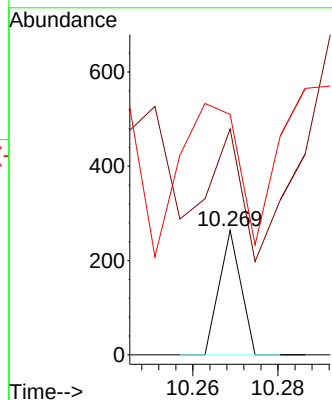
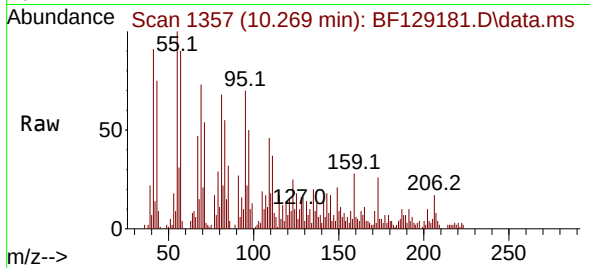




#54
2,4-Dinitrophenol
Concen: 6.904 ng
RT: 10.269 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

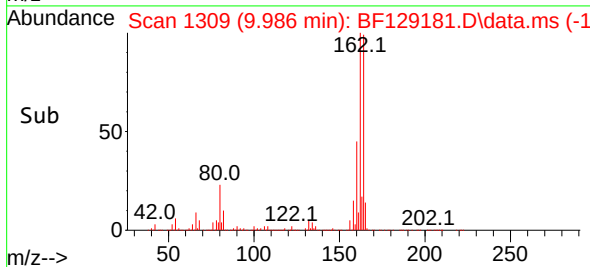
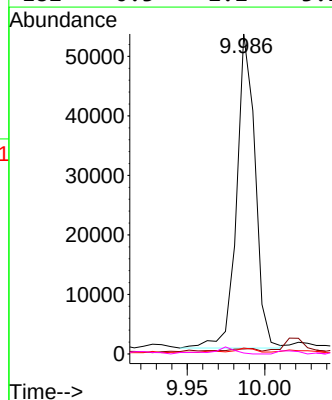
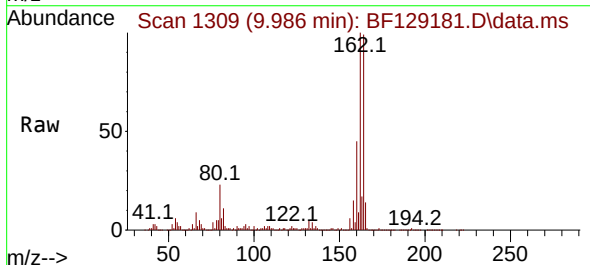
Instrument :
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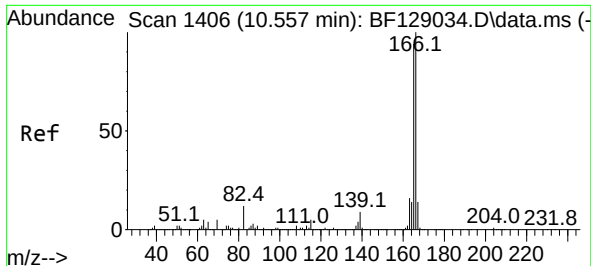
Tgt Ion:184 Resp: 93
Ion Ratio Lower Upper
184 100
63 181.4 64.5 96.7#
154 193.2 50.6 75.8#



#57
2,4-Dinitrotoluene
Concen: 8.622 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.194 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:165 Resp: 43970
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.9 60.2 90.2#
182 0.3 2.2 3.2#

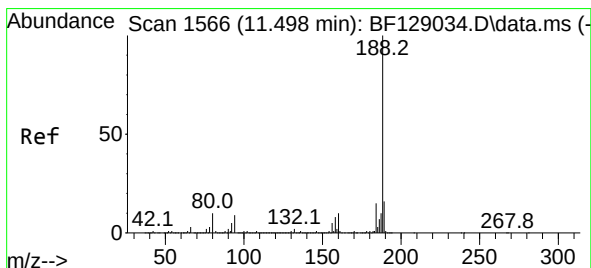
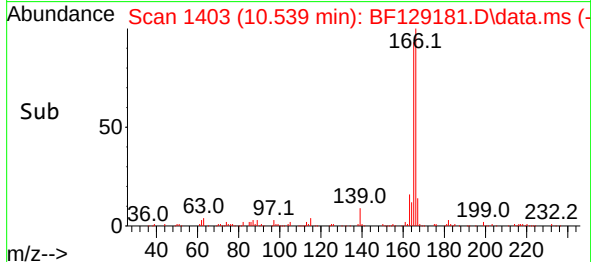
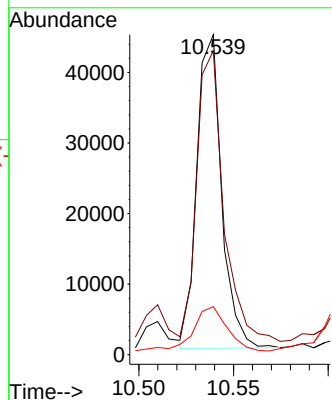
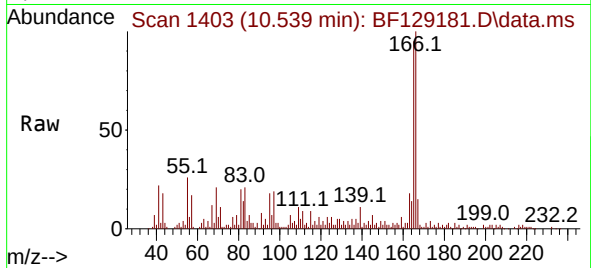




#58
Fluorene
Concen: 2.027 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

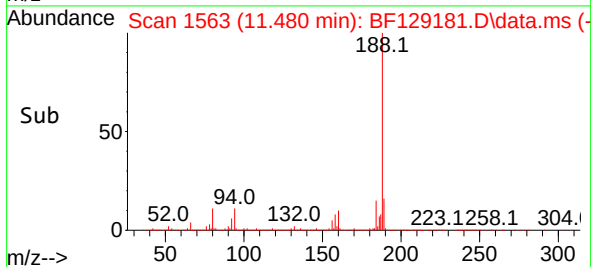
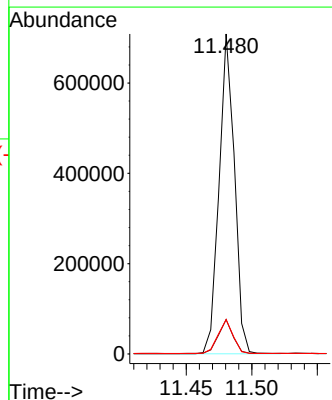
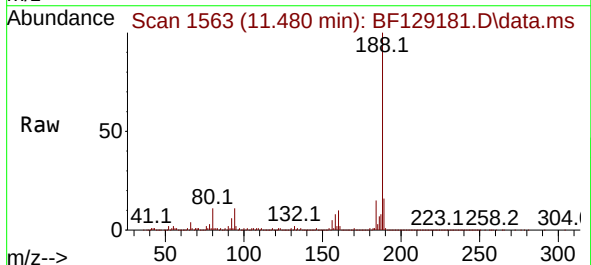
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

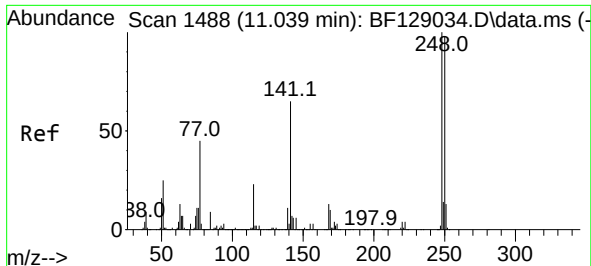
Tgt Ion:166 Resp: 40537
Ion Ratio Lower Upper
166 100
165 95.0 78.1 117.1
167 15.0 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:188 Resp: 575496
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 10.8 7.6 11.4

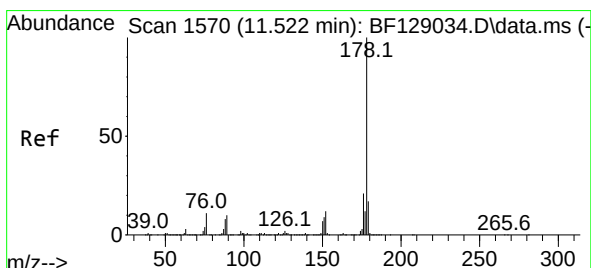
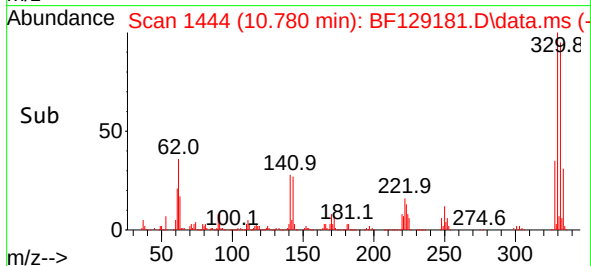
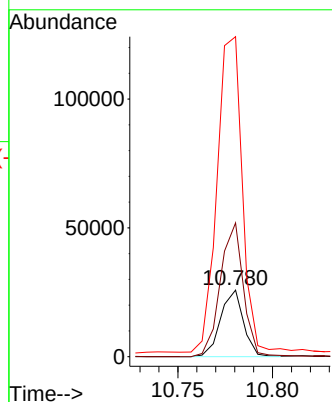
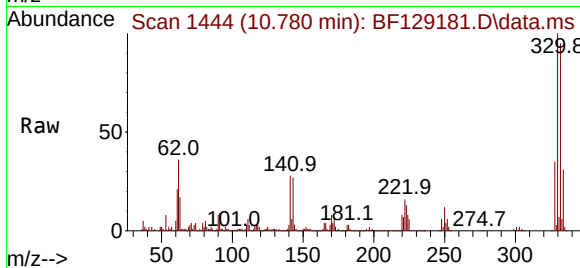




#67
4-Bromophenyl-phenylether
Concen: 3.561 ng
RT: 10.780 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

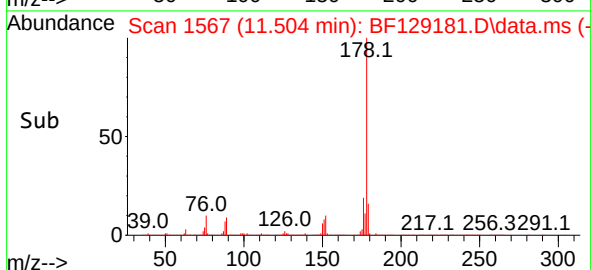
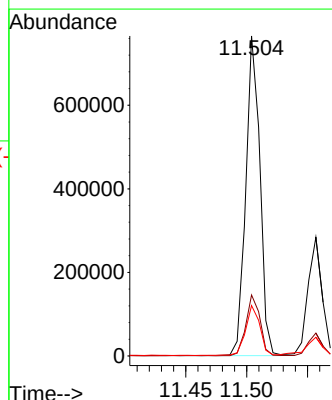
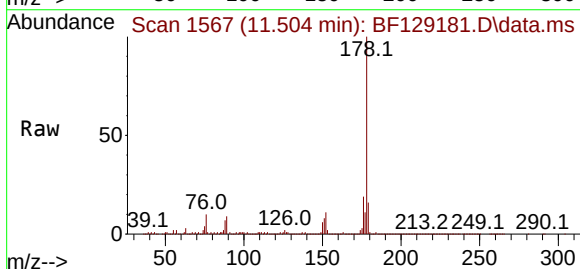
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

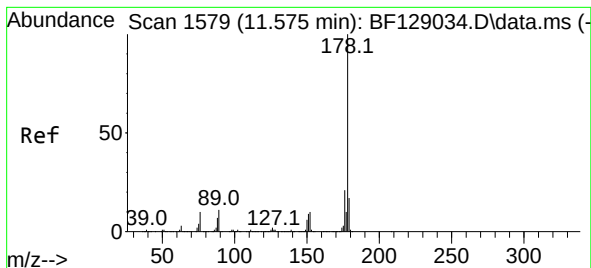
Tgt Ion:248 Resp: 21802
Ion Ratio Lower Upper
248 100
250 200.7 80.6 120.8#
141 480.4 58.9 88.3#



#71
Phenanthrene
Concen: 22.485 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:178 Resp: 618274
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.7 12.6 19.0





#72

Anthracene

Concen: 8.286 ng

RT: 11.557 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

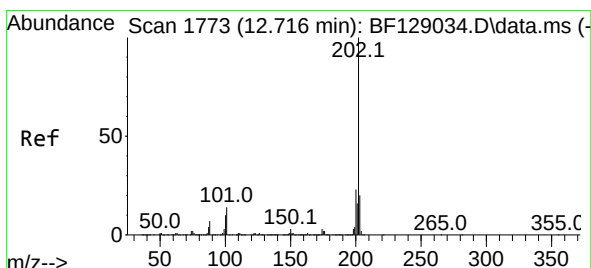
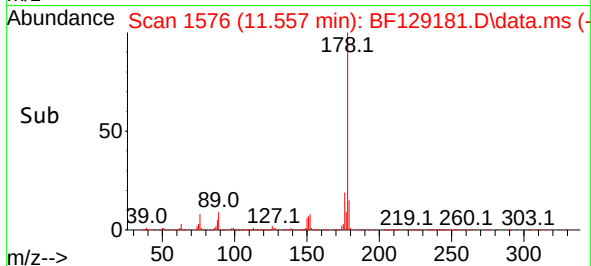
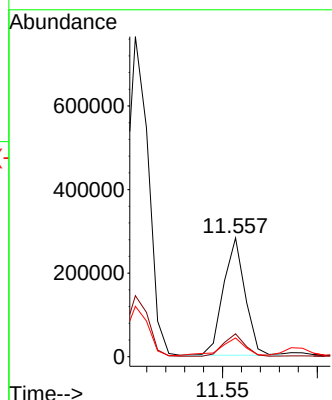
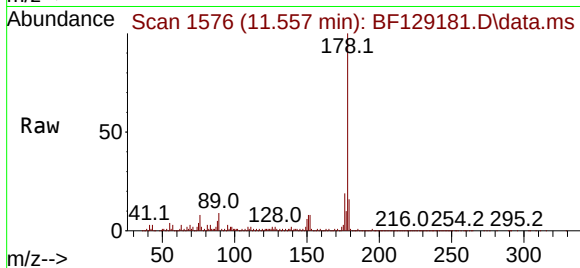
Tgt Ion:178 Resp: 224632

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.8 12.6 19.0



#75

Fluoranthene

Concen: 58.295 ng

RT: 12.704 min Scan# 1771

Delta R.T. 0.000 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

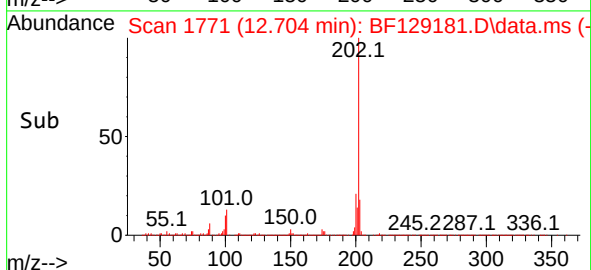
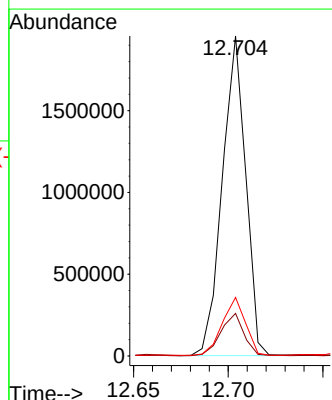
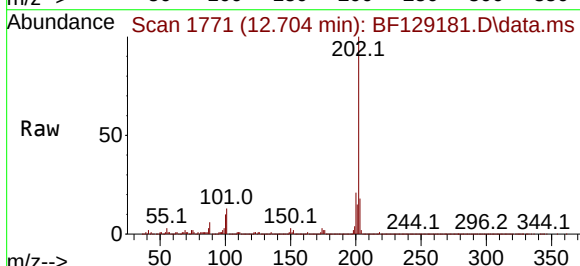
Tgt Ion:202 Resp: 1676366

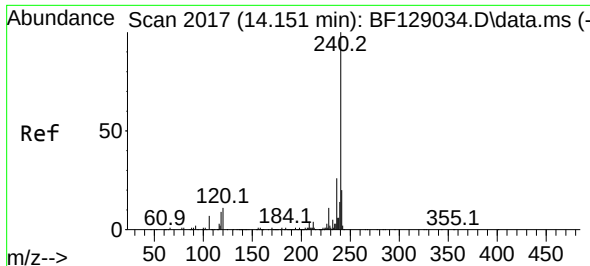
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.4

203 18.3 0.0 38.0

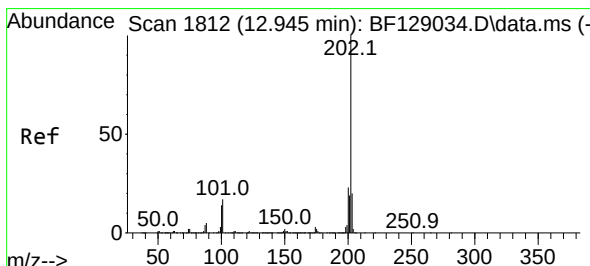
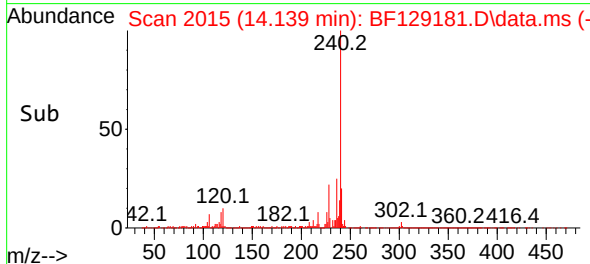
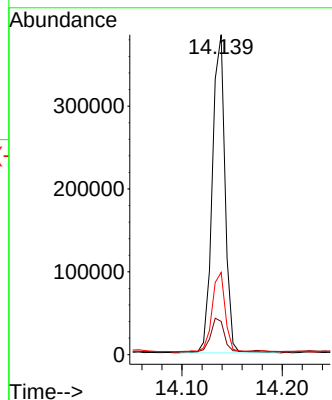
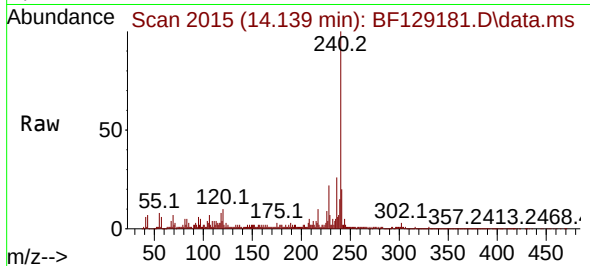




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

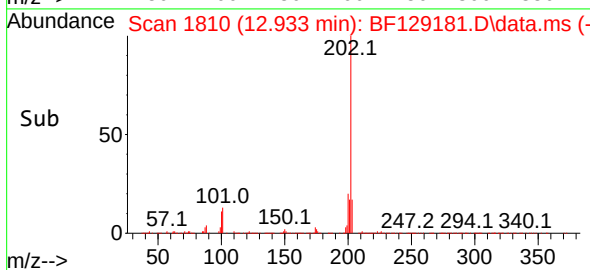
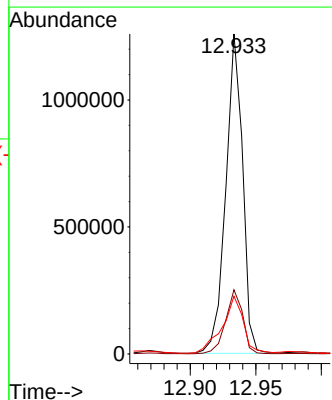
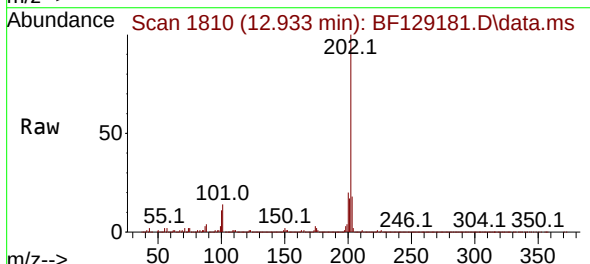
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

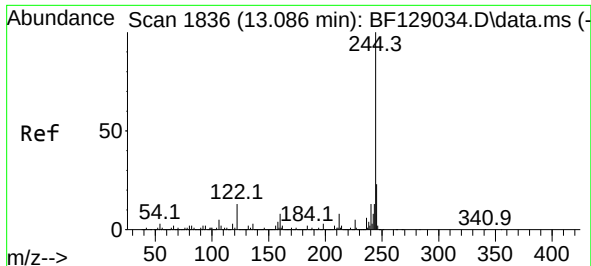
Tgt Ion:240 Resp: 340243
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.7 20.8 31.2



#78
Pyrene
Concen: 47.522 ng
RT: 12.933 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:202 Resp: 1120780
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 18.0 14.6 21.8

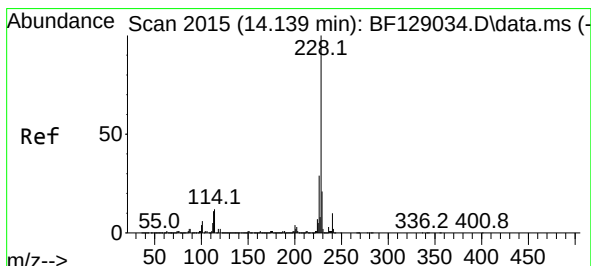
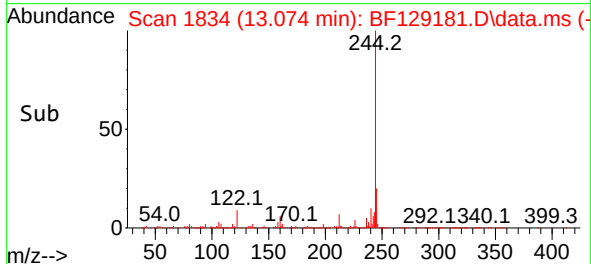
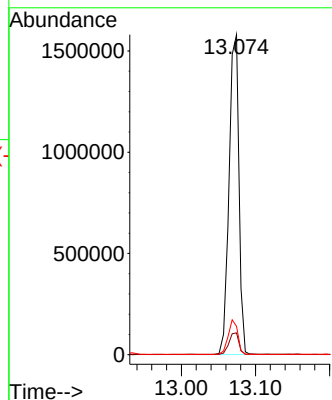
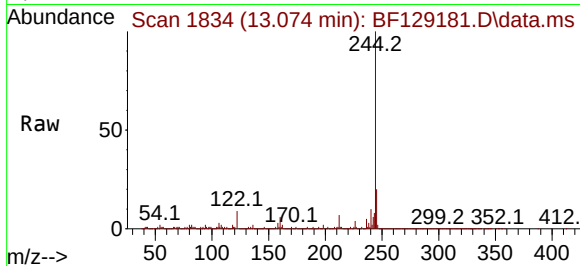




#79
 Terphenyl-d14
 Concen: 89.370 ng
 RT: 13.074 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF129181.D
 Acq: 08 Jul 2022 18:15

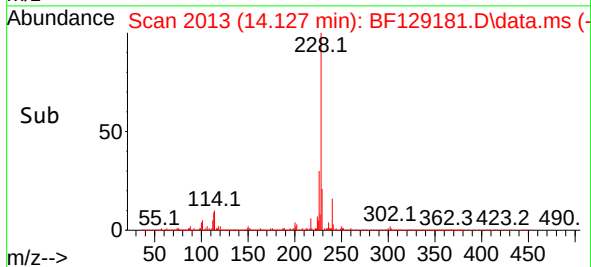
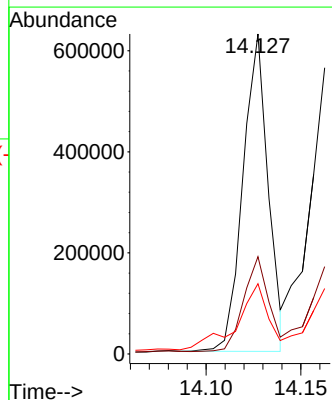
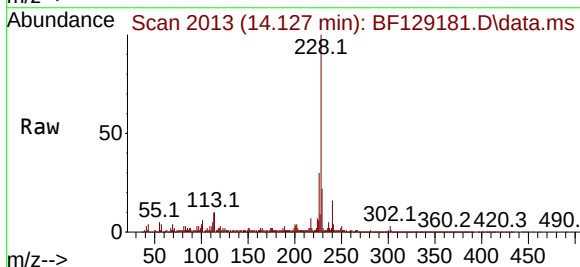
Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622RE

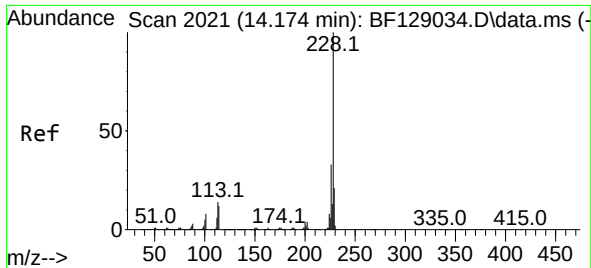
Tgt Ion:244 Resp: 1464274
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 8.8 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 27.963 ng
 RT: 14.127 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BF129181.D
 Acq: 08 Jul 2022 18:15

Tgt Ion:228 Resp: 580931
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.1 33.1
 229 22.0 15.8 23.8

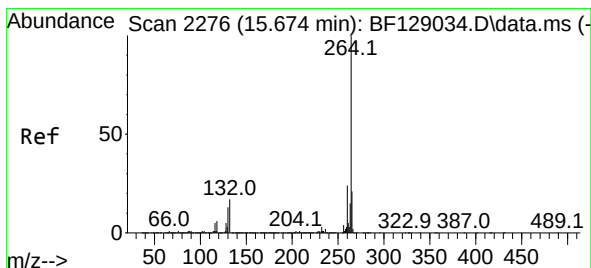
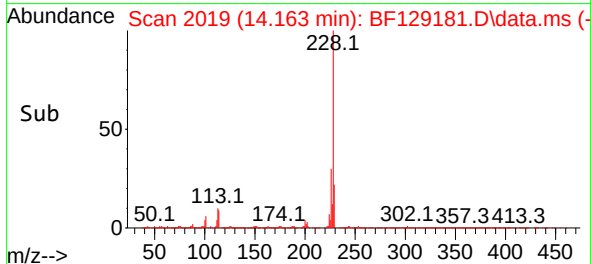
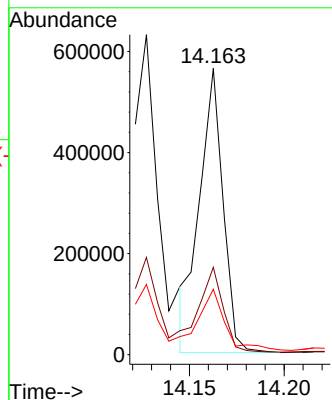
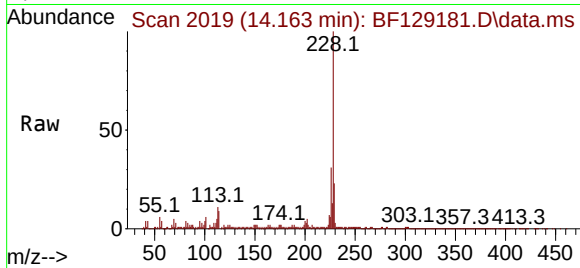




#83
Chrysene
Concen: 25.256 ng
RT: 14.163 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

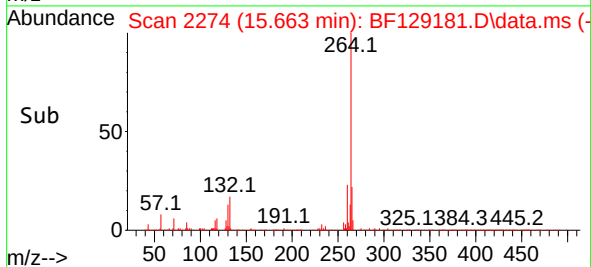
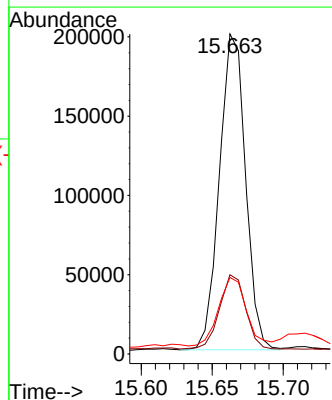
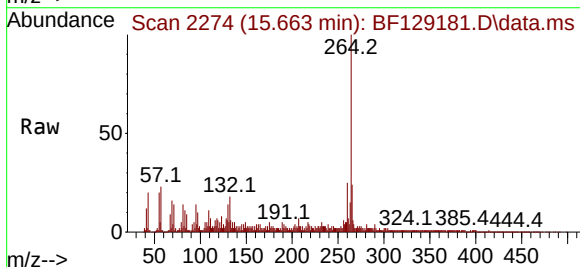
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

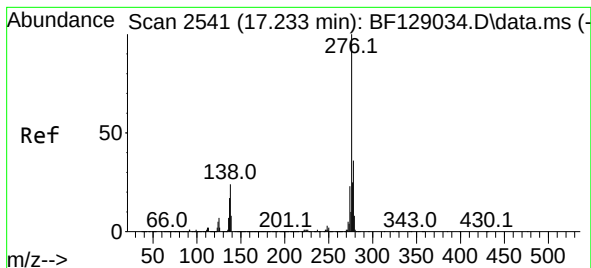
Tgt Ion:228 Resp: 487101
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.663 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:264 Resp: 254597
Ion Ratio Lower Upper
264 100
260 24.8 18.4 27.6
265 23.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.792 ng

RT: 17.227 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

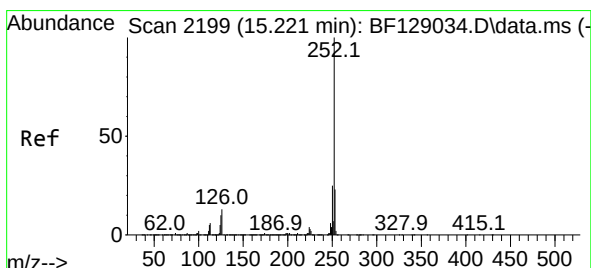
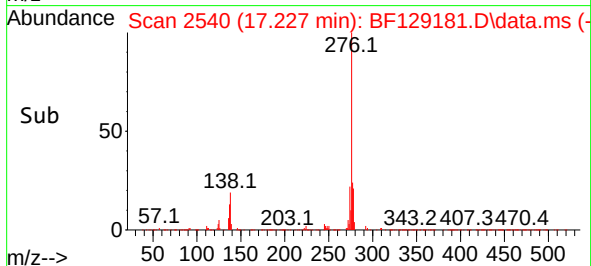
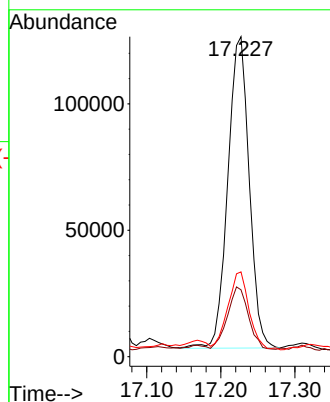
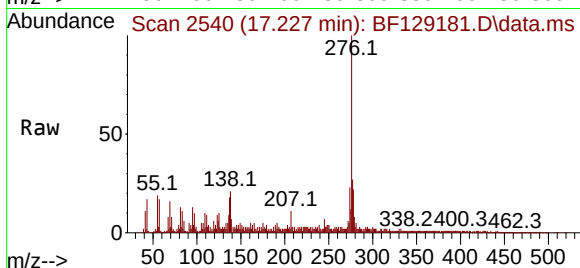
Tgt Ion:276 Resp: 246589

Ion Ratio Lower Upper

276 100

138 20.3 21.1 31.7#

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 52.074 ng

RT: 15.210 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

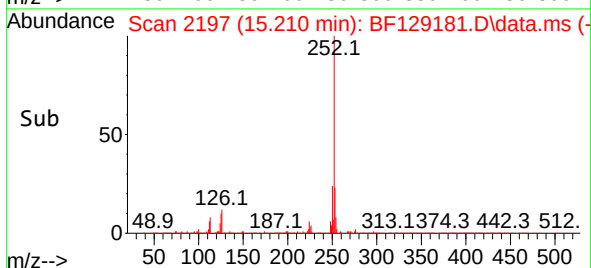
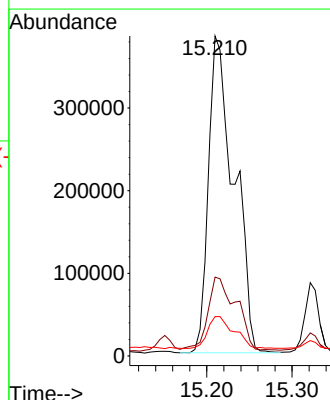
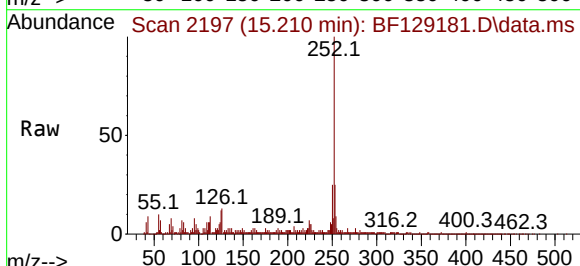
Tgt Ion:252 Resp: 797331

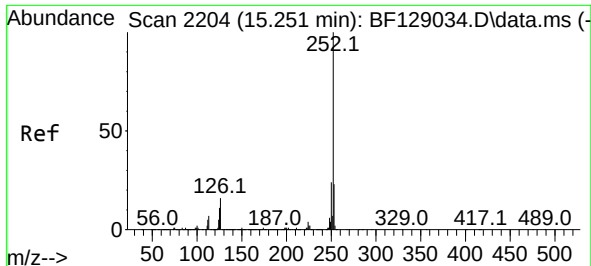
Ion Ratio Lower Upper

252 100

253 24.6 17.7 26.5

125 12.3 8.0 12.0#

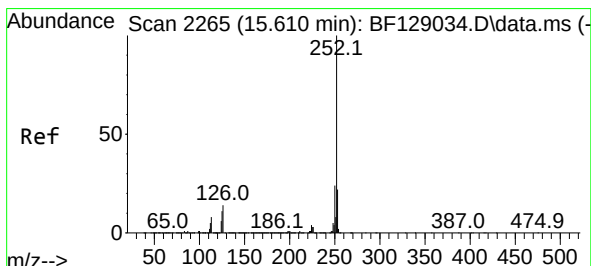
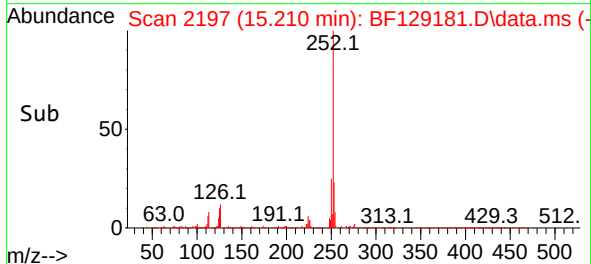
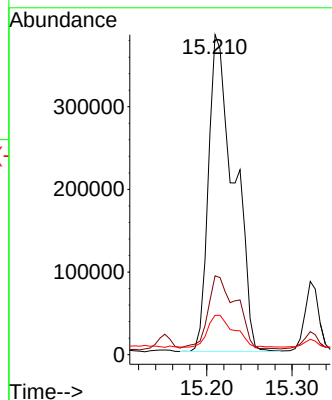
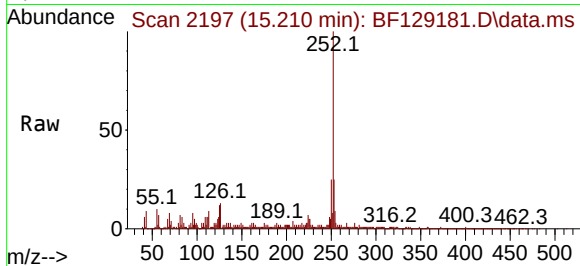




#89
Benzo(k)fluoranthene
Concen: 53.689 ng
RT: 15.210 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

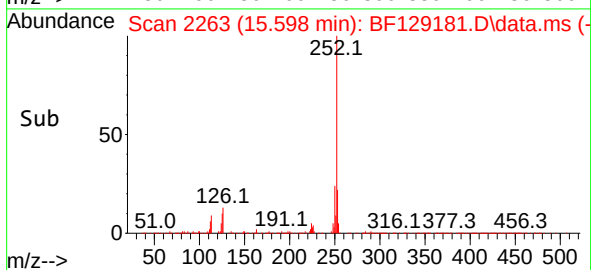
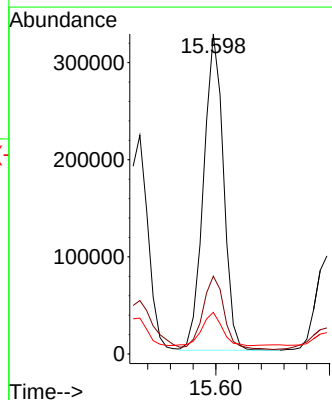
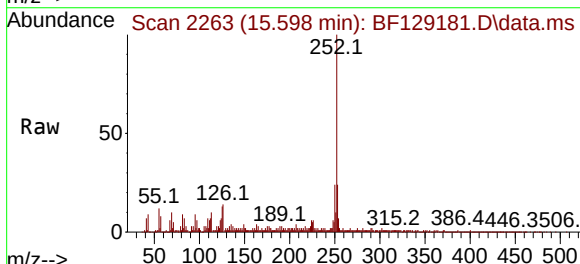
Instrument :
BNA_F
ClientSampleId :
OE-3-070622RE

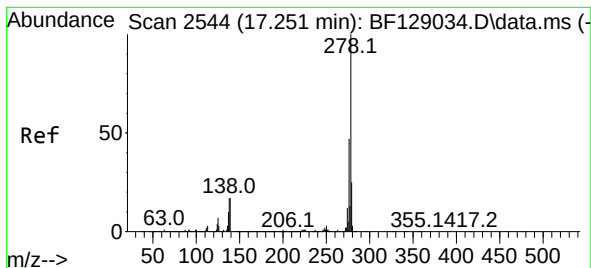
Tgt Ion:252 Resp: 797331
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 12.3 8.3 12.5



#90
Benzo(a)pyrene
Concen: 31.721 ng
RT: 15.598 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF129181.D
Acq: 08 Jul 2022 18:15

Tgt Ion:252 Resp: 395940
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 13.0 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.752 ng

RT: 17.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Instrument :

BNA_F

ClientSampleId :

OE-3-070622RE

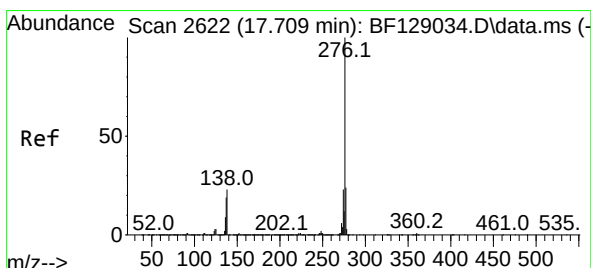
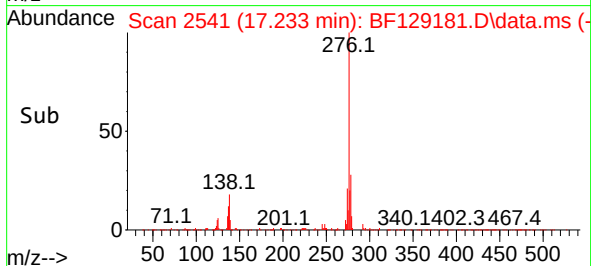
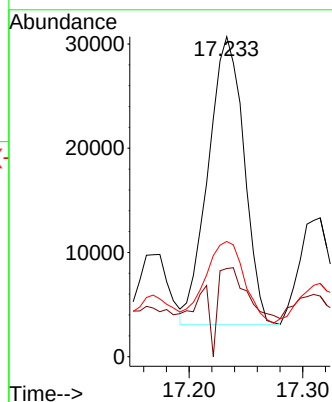
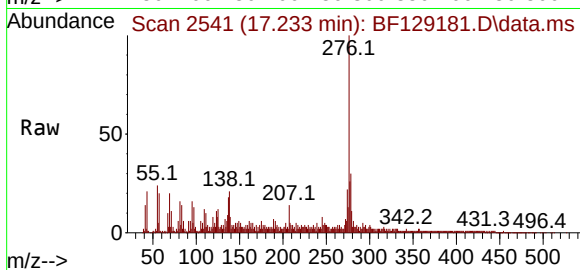
Tgt Ion:278 Resp: 60495

Ion Ratio Lower Upper

278 100

139 27.5 12.8 19.2#

279 36.0 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 17.991 ng

RT: 17.698 min Scan# 2620

Delta R.T. 0.006 min

Lab File: BF129181.D

Acq: 08 Jul 2022 18:15

Tgt Ion:276 Resp: 229763

Ion Ratio Lower Upper

276 100

277 25.6 19.1 28.7

138 23.3 18.0 27.0

