

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070722\
 Data File : BF129171.D
 Acq On : 07 Jul 2022 21:38
 Operator : CG\JU
 Sample : N3605-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-070622

Quant Time: Jul 08 01:57:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

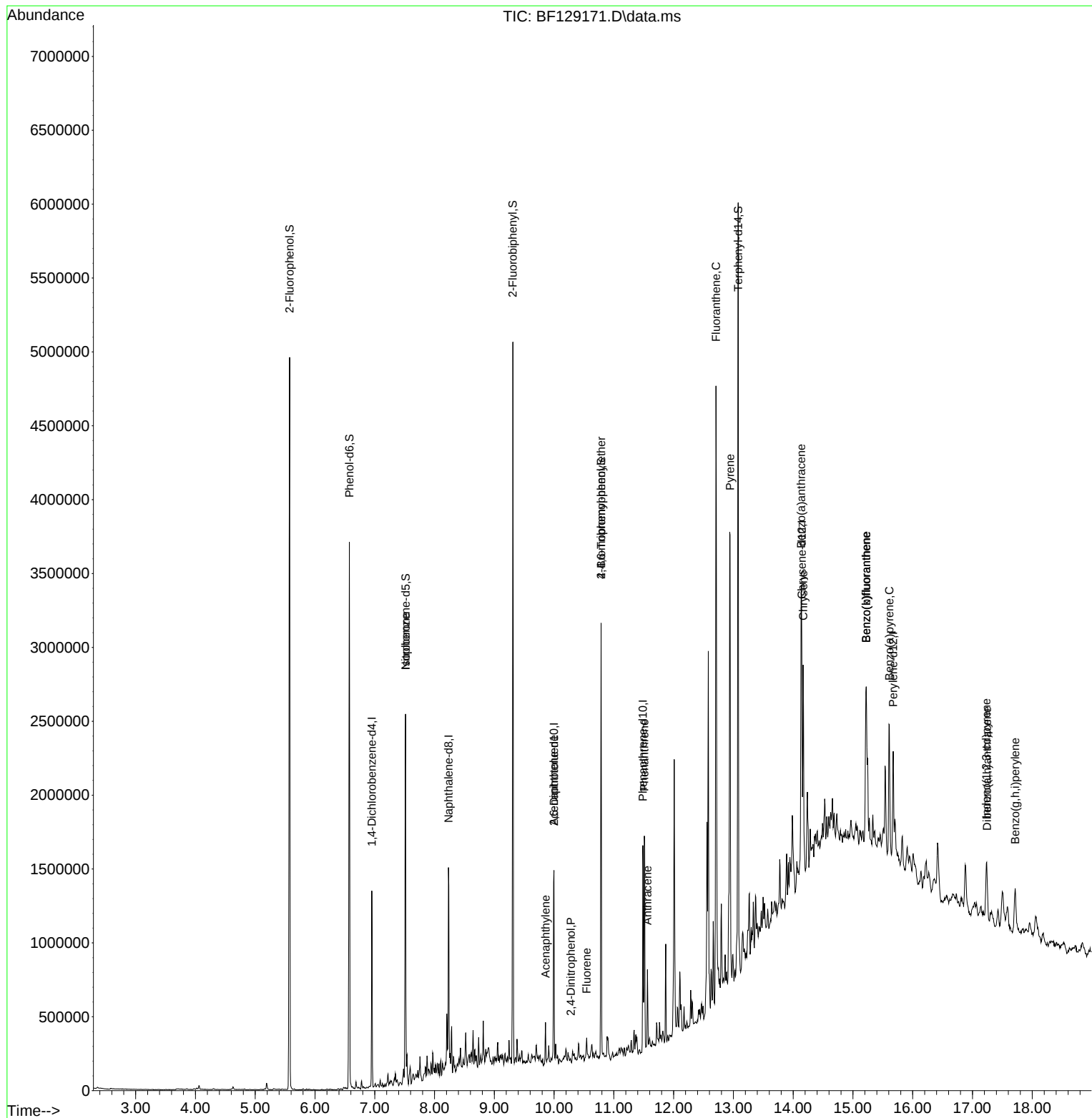
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	180623	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	582739	20.000	ng	-0.01
39) Acenaphthene-d10	9.998	164	263735	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	511110	20.000	ng	#-0.01
76) Chrysene-d12	14.145	240	371026	20.000	ng	0.00
86) Perylene-d12	15.674	264	280539	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1347730	126.148	ng	-0.01
7) Phenol-d6	6.575	99	1264763	95.318	ng	-0.01
23) Nitrobenzene-d5	7.516	82	768303	78.640	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	341776	119.180	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1350843	81.941	ng	-0.01
79) Terphenyl-d14	13.080	244	1733212	97.008	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.504	77	725	Below Cal	#	61
25) Isophorone	7.516	82	764945	46.328	ng	# 66
49) Acenaphthylene	9.857	152	93801	4.216	ng	98
51) 2,6-Dinitrotoluene	9.998	165	35609	10.562	ng	# 26
54) 2,4-Dinitrophenol	10.280	184	118	6.925	ng	# 1
58) Fluorene	10.545	166	35985	2.205	ng	98
67) 4-Bromophenyl-phenylether	10.786	248	20163	3.709	ng	# 1
71) Phenanthrene	11.510	178	542230	22.204	ng	99
72) Anthracene	11.563	178	193763	8.048	ng	97
75) Fluoranthene	12.710	202	1529698	59.895	ng	99
78) Pyrene	12.945	202	1335195	51.917	ng	98
81) Benzo(a)anthracene	14.133	228	664776	29.344	ng	96
83) Chrysene	14.168	228	562277	26.735	ng	97
87) Indeno(1,2,3-cd)pyrene	17.233	276	276223	16.054	ng	# 94
88) Benzo(b)fluoranthene	15.221	252	866304	51.347	ng	# 94
89) Benzo(k)fluoranthene	15.221	252	866304	52.939	ng	# 95
90) Benzo(a)pyrene	15.610	252	436953	31.770	ng	95
91) Dibenzo(a,h)anthracene	17.245	278	70811	5.048	ng	# 78
92) Benzo(g,h,i)perylene	17.715	276	265842	18.891	ng	98

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

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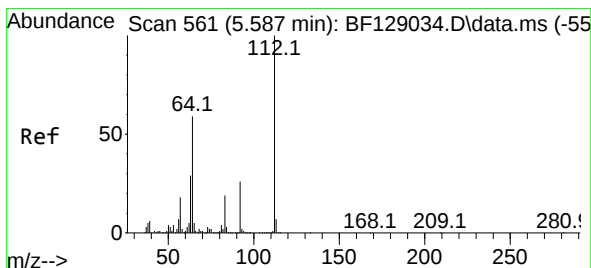
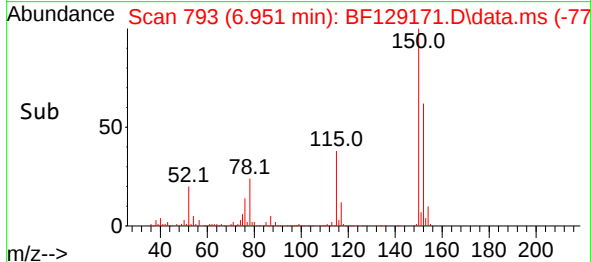
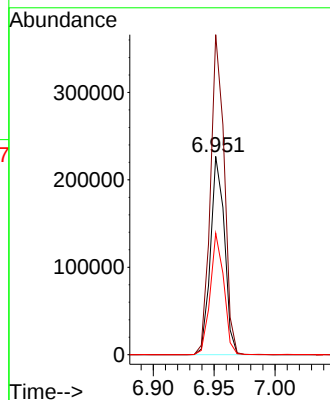
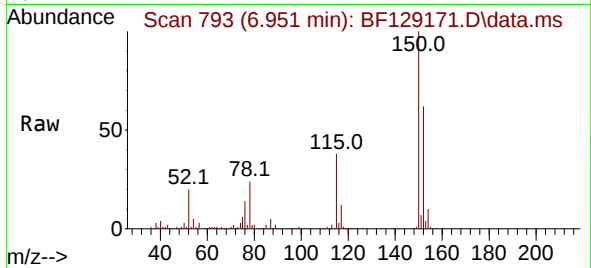




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

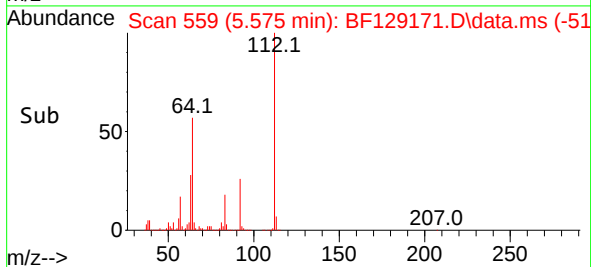
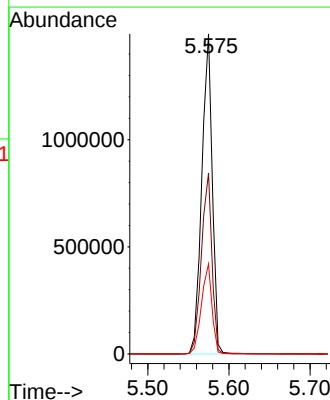
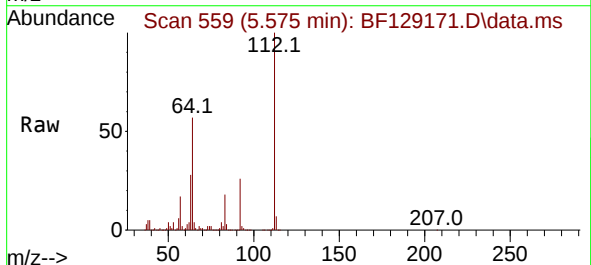
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

Tgt Ion:152 Resp: 180623
Ion Ratio Lower Upper
152 100
150 161.4 123.7 185.5
115 61.3 49.9 74.9



#5
2-Fluorophenol
Concen: 126.148 ng
RT: 5.575 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:112 Resp: 1347730
Ion Ratio Lower Upper
112 100
64 56.6 53.3 79.9
63 28.1 28.0 42.0

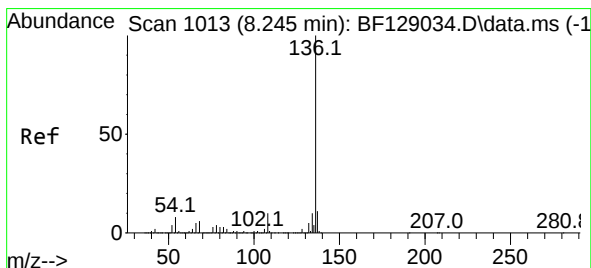
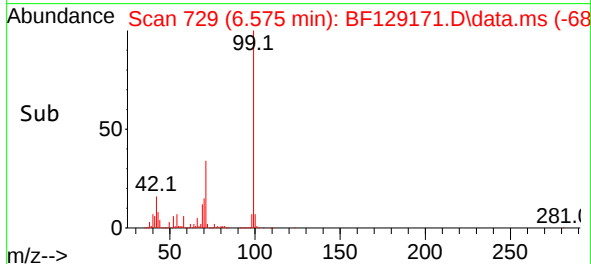
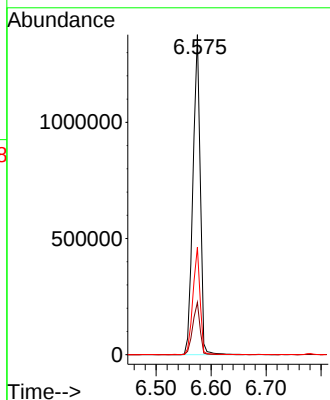
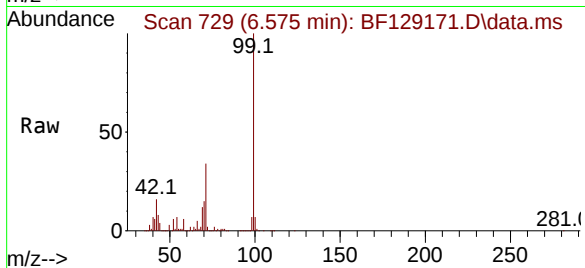




#7
Phenol-d6
Concen: 95.318 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

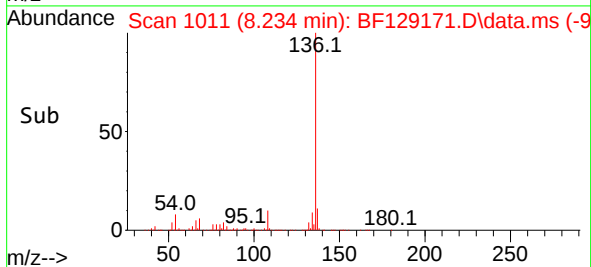
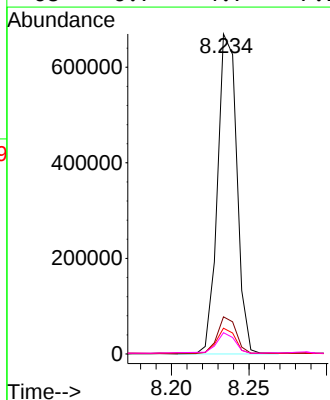
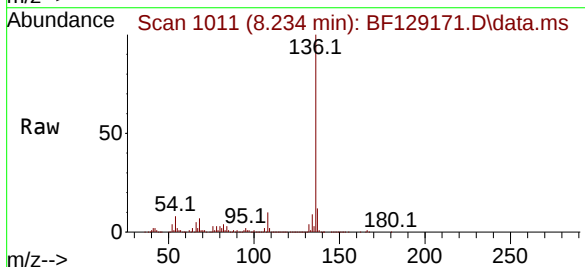
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

Tgt Ion: 99 Resp: 1264763
Ion Ratio Lower Upper
99 100
42 16.3 17.3 25.9#
71 33.5 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.011 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion: 136 Resp: 582739
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 8.1 7.5 11.3
68 6.7 4.7 7.1

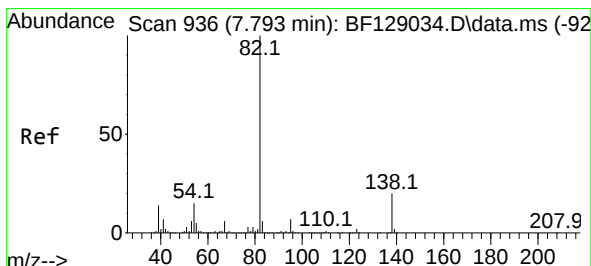
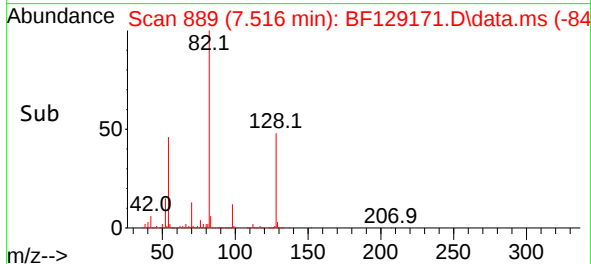
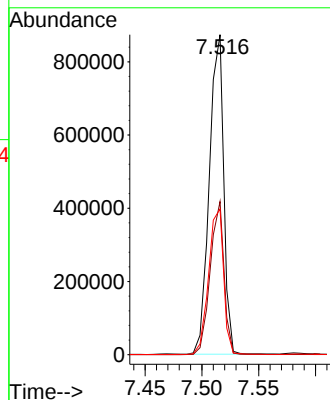
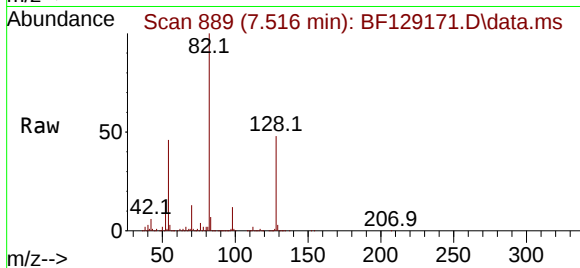




#23
Nitrobenzene-d5
Concen: 78.640 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

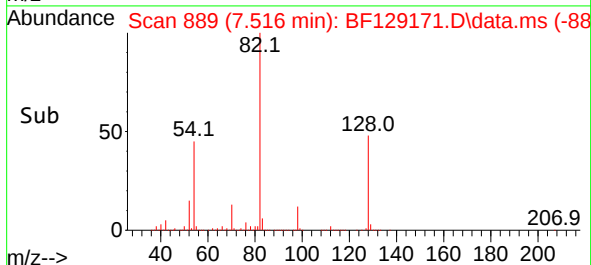
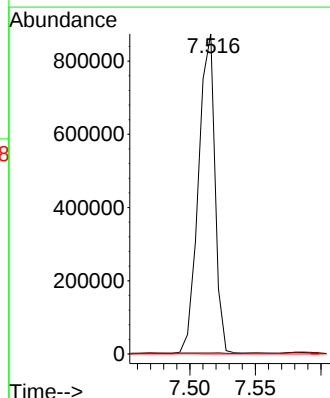
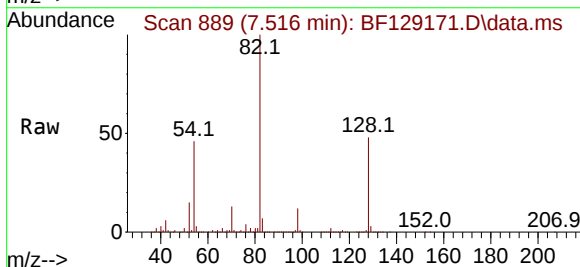
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

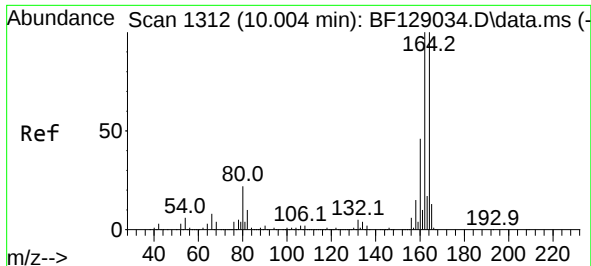
Tgt Ion: 82 Resp: 768303
Ion Ratio Lower Upper
82 100
128 47.9 34.0 51.0
54 45.5 46.9 70.3#



#25
Isophorone
Concen: 46.328 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.277 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion: 82 Resp: 764945
Ion Ratio Lower Upper
82 100
95 0.3 5.7 8.5#
138 0.0 14.2 21.2#

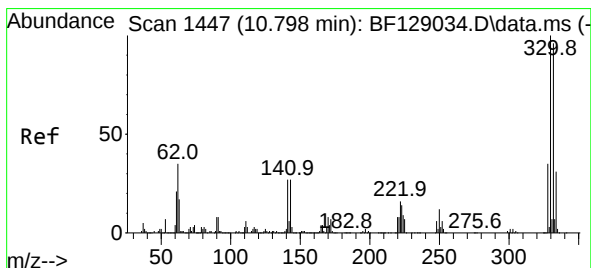
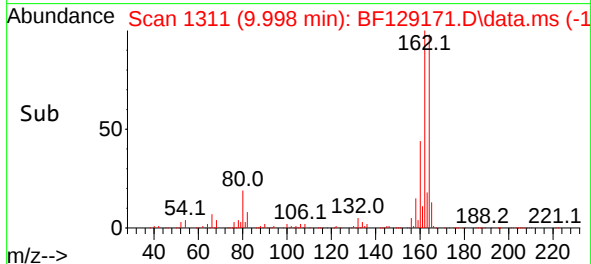
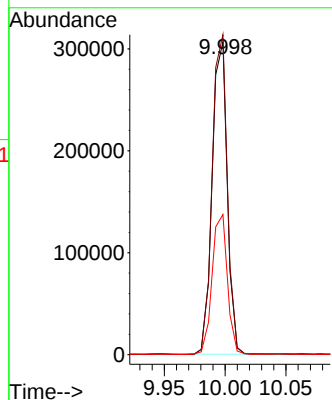
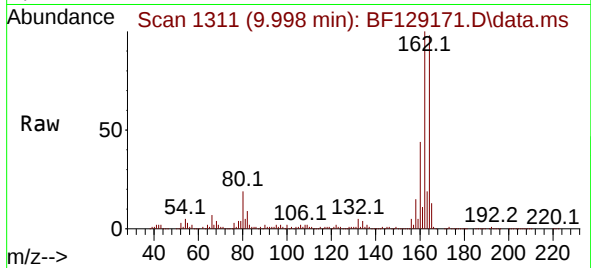




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

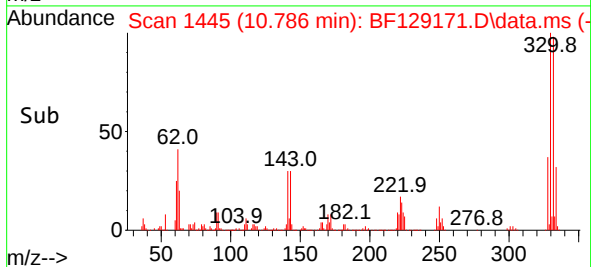
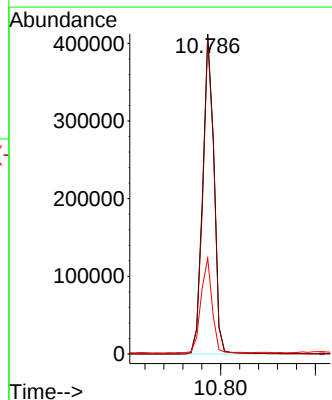
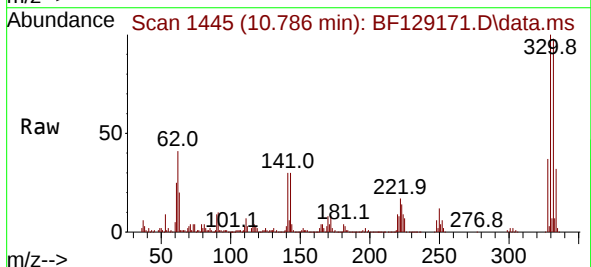
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ClientSampleId :
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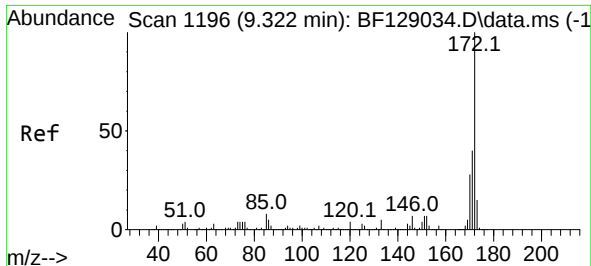
Tgt Ion:164 Resp: 263735
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.8 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 119.180 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:330 Resp: 341776
Ion Ratio Lower Upper
330 100
332 97.6 76.8 115.2
141 29.6 28.0 42.0

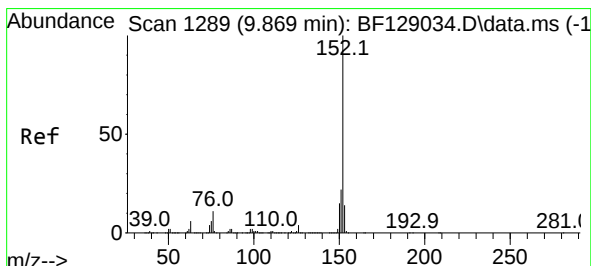
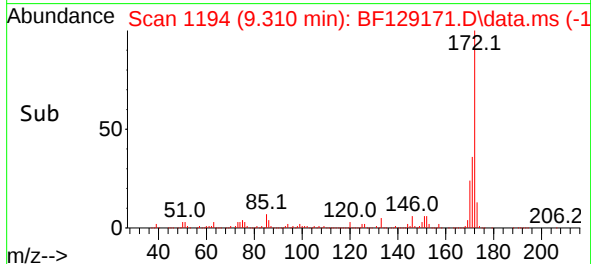
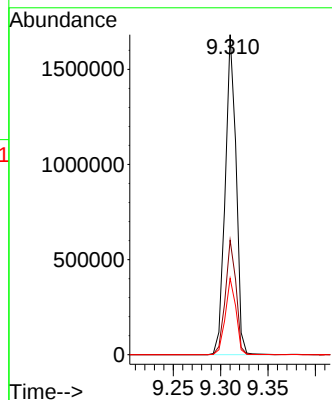
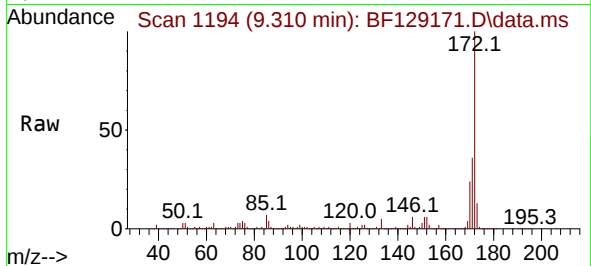




#45
2-Fluorobiphenyl
Concen: 81.941 ng
RT: 9.310 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

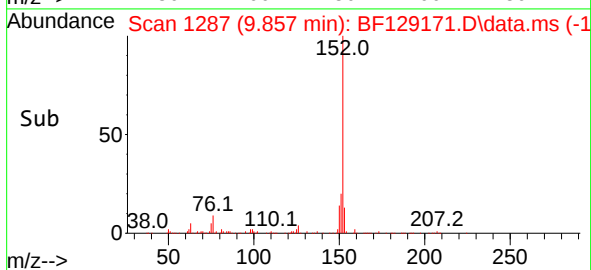
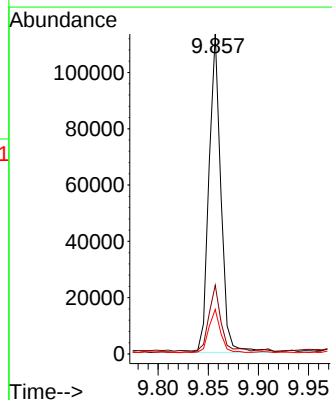
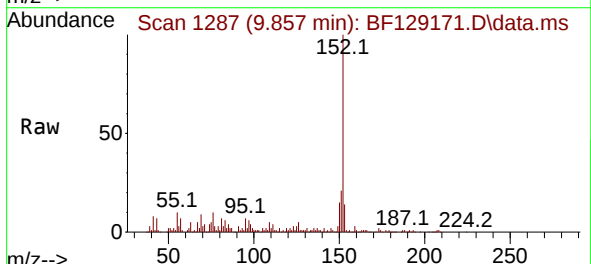
Instrument :
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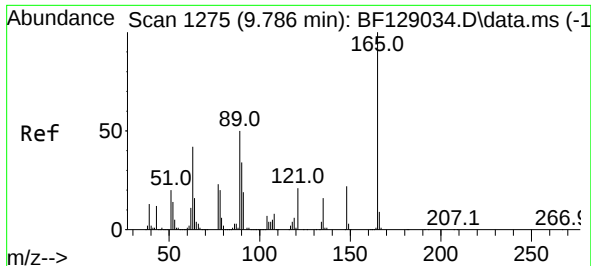
Tgt Ion:172 Resp: 1350843
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.9 19.8 29.8



#49
Acenaphthylene
Concen: 4.216 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:152 Resp: 93801
Ion Ratio Lower Upper
152 100
151 21.5 16.2 24.4
153 13.9 10.7 16.1

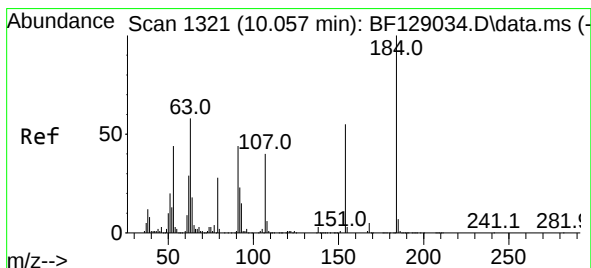
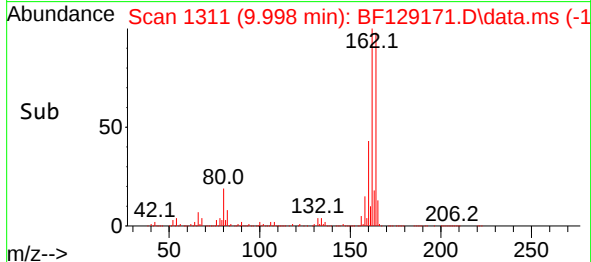
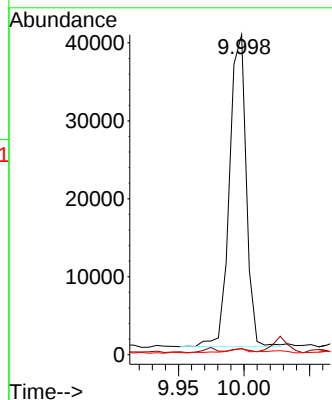
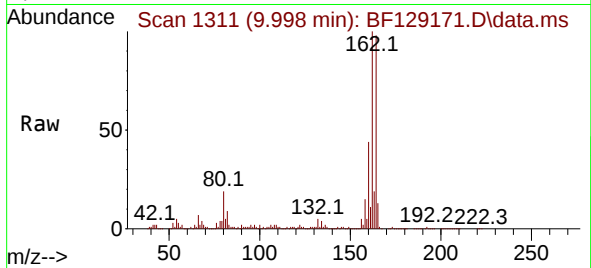




#51
2,6-Dinitrotoluene
Concen: 10.562 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

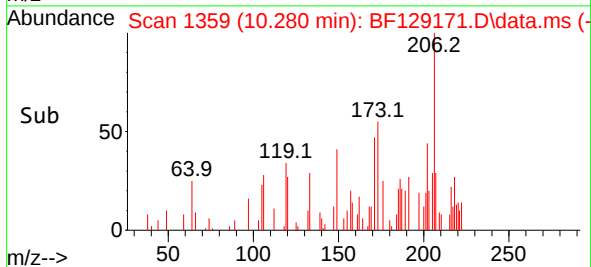
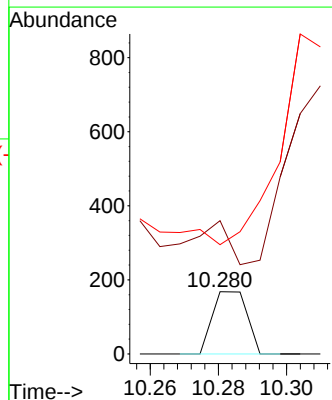
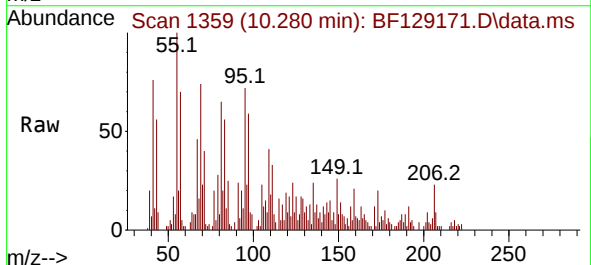
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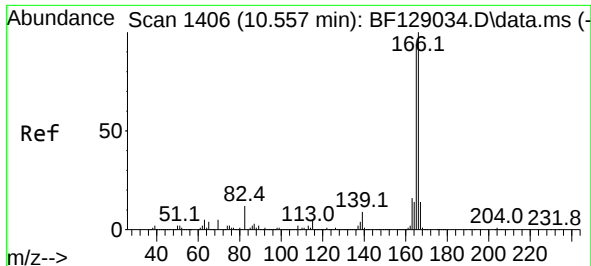
Tgt Ion:165 Resp: 35609
Ion Ratio Lower Upper
165 100
63 1.8 44.9 67.3#
89 2.0 43.6 65.4#



#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 10.280 min Scan# 1359
Delta R.T. 0.223 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:184 Resp: 118
Ion Ratio Lower Upper
184 100
63 214.3 64.5 96.7#
154 175.6 50.6 75.8#

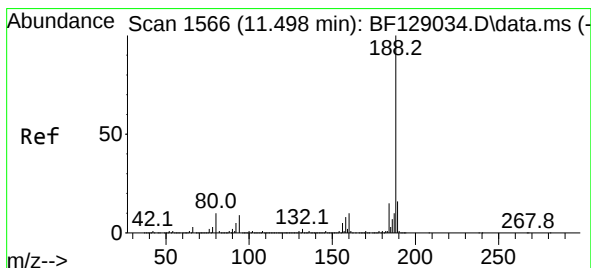
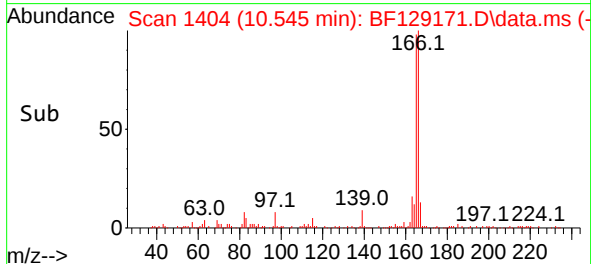
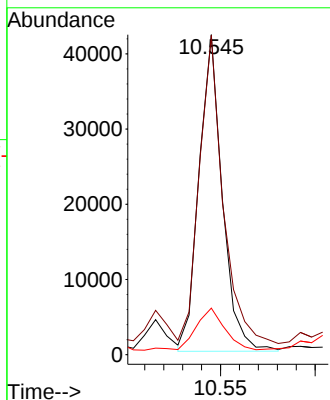
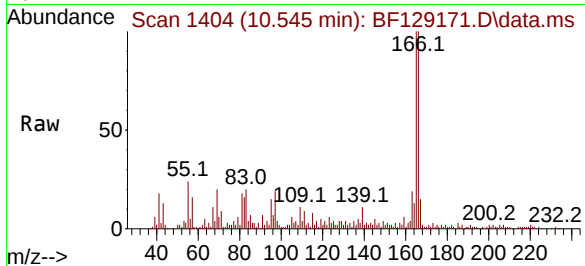




#58
Fluorene
Concen: 2.205 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

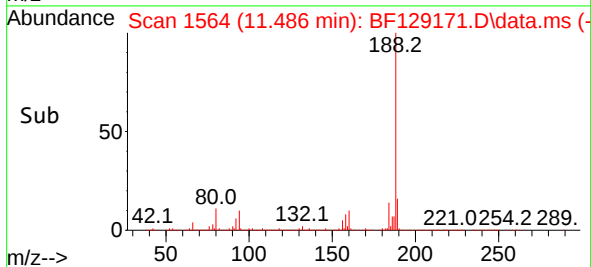
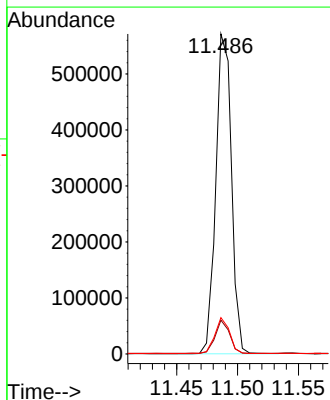
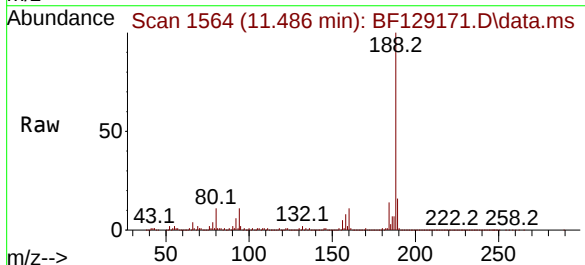
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

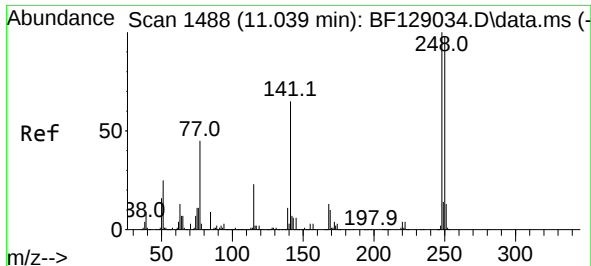
Tgt Ion:166 Resp: 35985
Ion Ratio Lower Upper
166 100
165 99.8 78.1 117.1
167 14.6 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:188 Resp: 511110
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6#
80 11.3 7.6 11.4

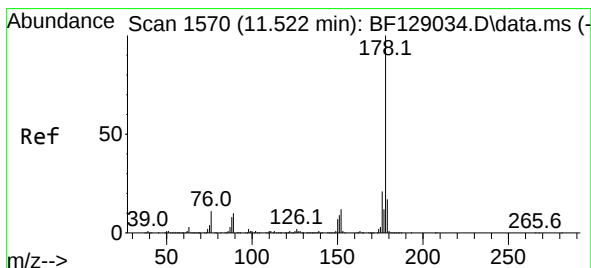
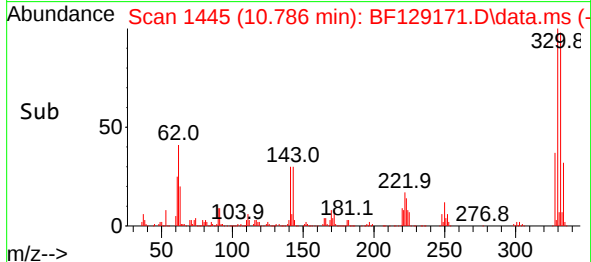
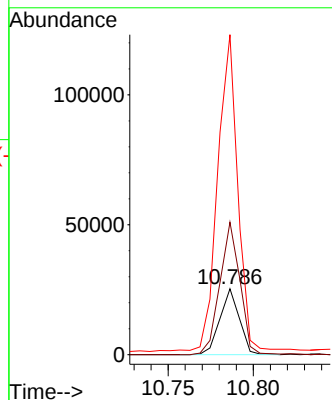
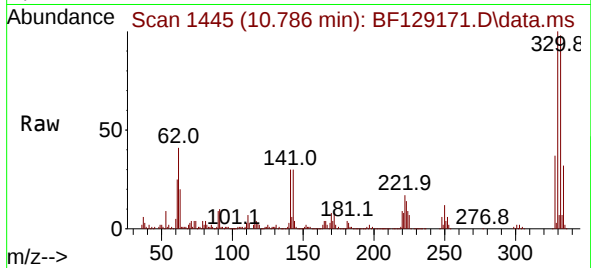




#67
4-Bromophenyl-phenylether
Concen: 3.709 ng
RT: 10.786 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

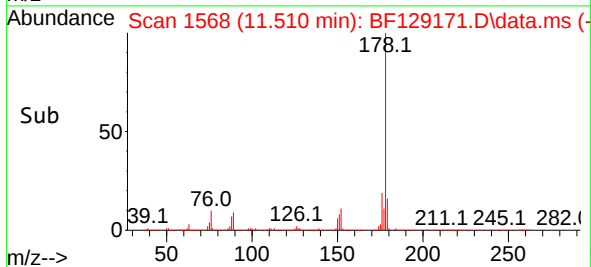
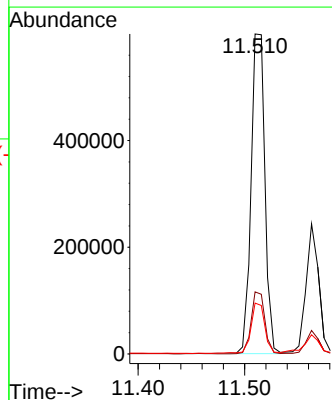
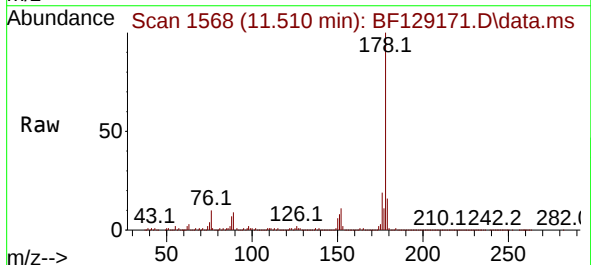
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

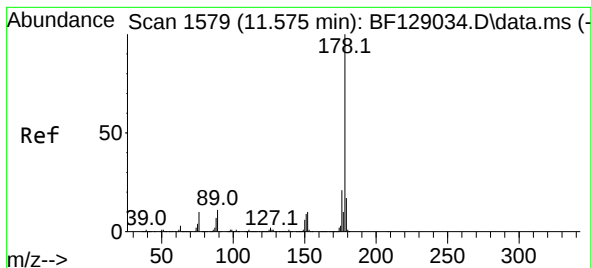
Tgt Ion:248 Resp: 20163
Ion Ratio Lower Upper
248 100
250 201.0 80.6 120.8#
141 485.6 58.9 88.3#



#71
Phenanthrene
Concen: 22.204 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:178 Resp: 542230
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 12.6 19.0





#72

Anthracene

Concen: 8.048 ng

RT: 11.563 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

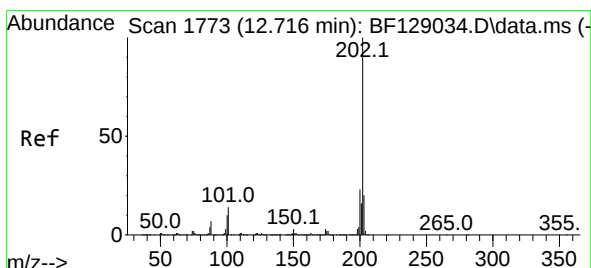
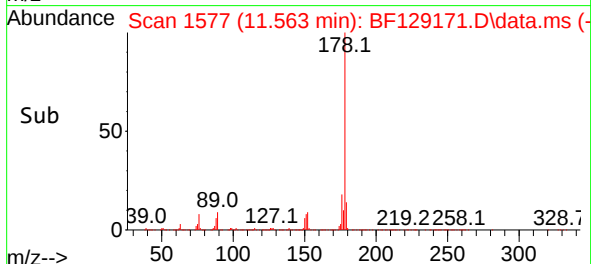
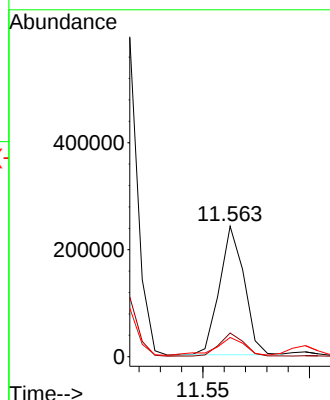
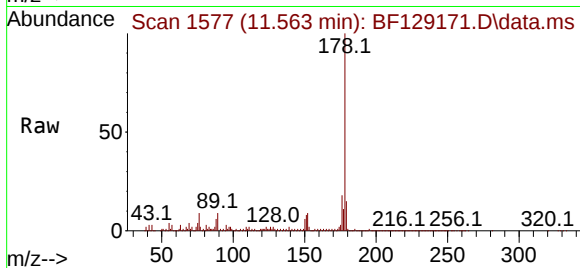
Tgt Ion:178 Resp: 193763

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 14.7 12.6 19.0



#75

Fluoranthene

Concen: 59.895 ng

RT: 12.710 min Scan# 1772

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

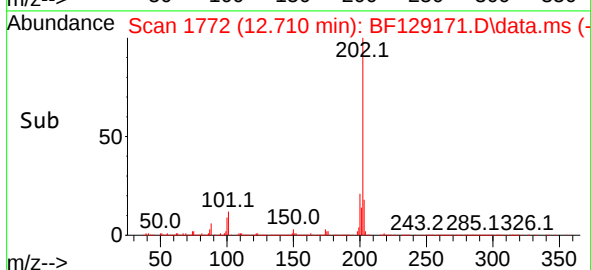
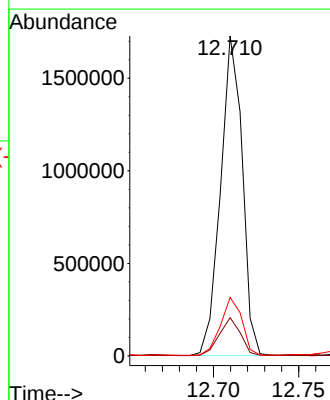
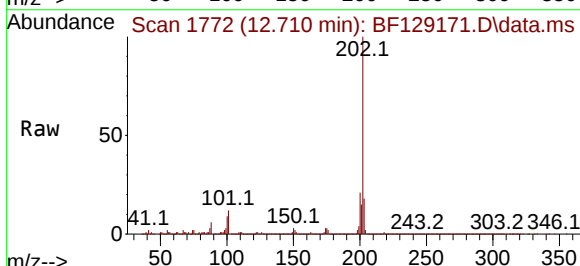
Tgt Ion:202 Resp: 1529698

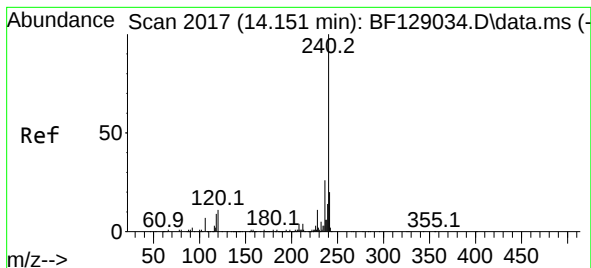
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

203 18.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

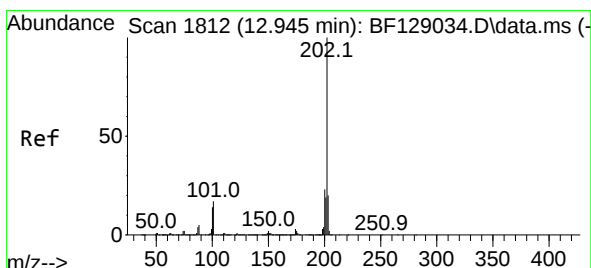
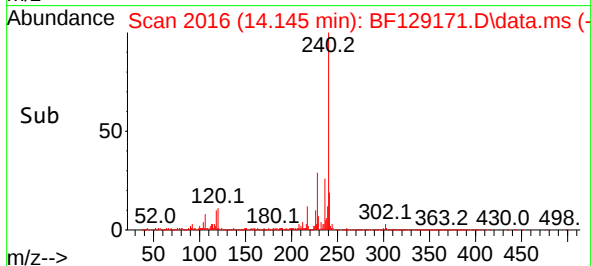
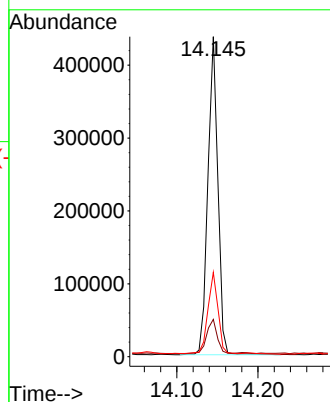
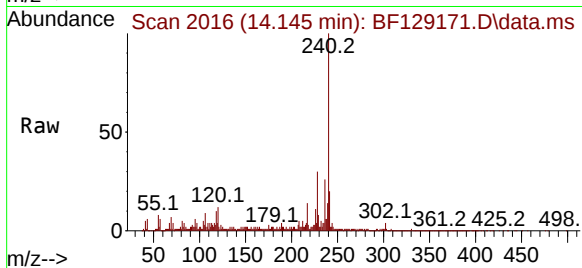
Tgt Ion:240 Resp: 371026

Ion Ratio Lower Upper

240 100

120 11.7 8.9 13.3

236 26.3 20.8 31.2



#78

Pyrene

Concen: 51.917 ng

RT: 12.945 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

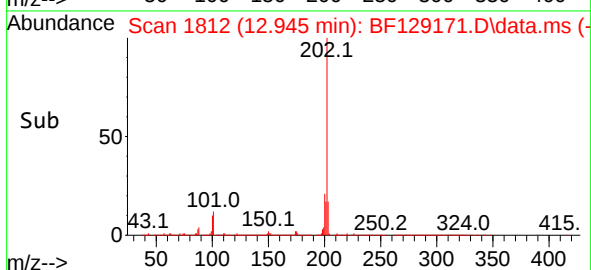
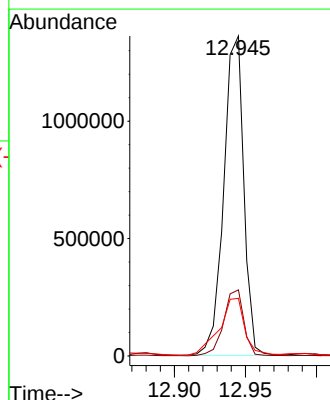
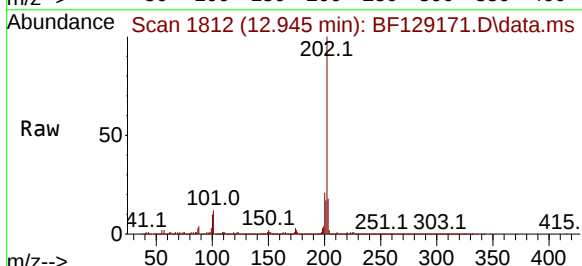
Tgt Ion:202 Resp: 1335195

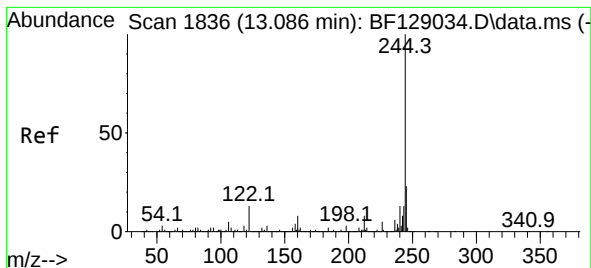
Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 97.008 ng

RT: 13.080 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

Instrument :

BNA_F

ClientSampleId :

OE-3-070622

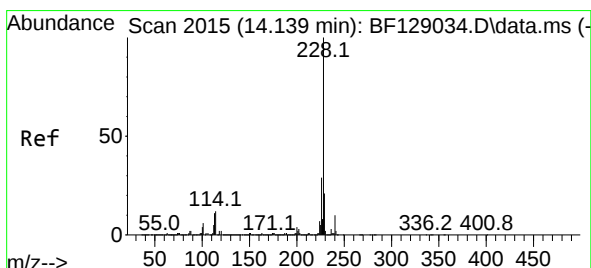
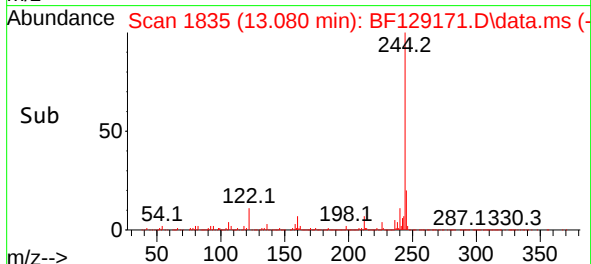
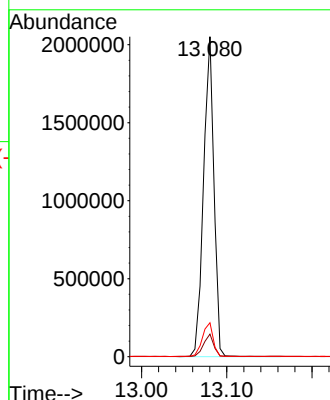
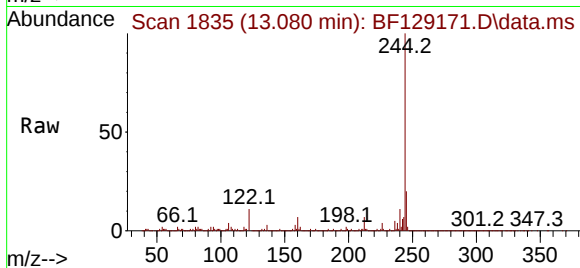
Tgt Ion:244 Resp: 1733212

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 10.6 8.8 13.2



#81

Benzo(a)anthracene

Concen: 29.344 ng

RT: 14.133 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF129171.D

Acq: 07 Jul 2022 21:38

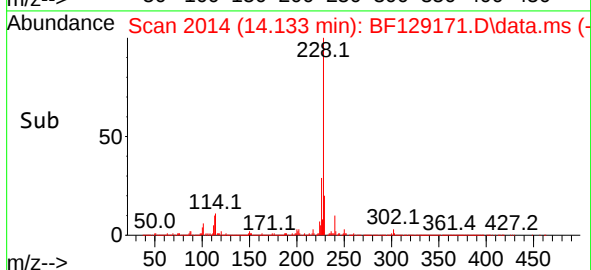
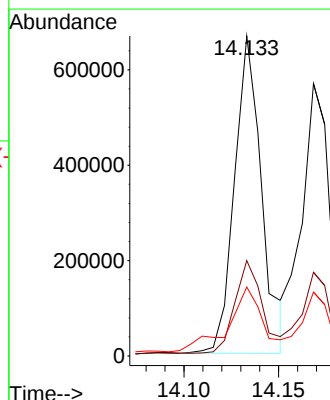
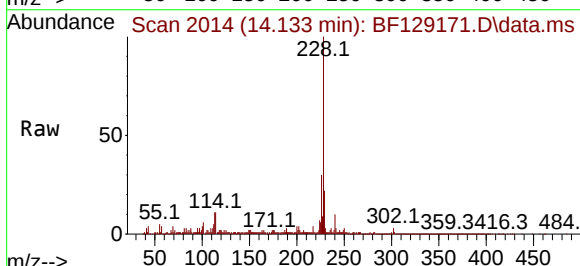
Tgt Ion:228 Resp: 664776

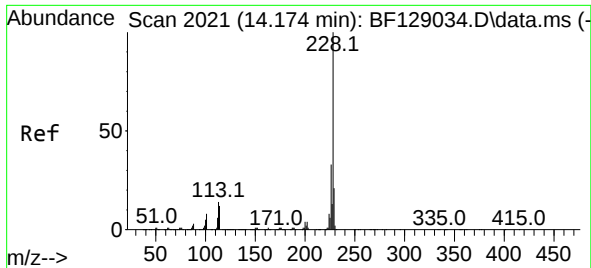
Ion Ratio Lower Upper

228 100

226 29.8 22.1 33.1

229 21.5 15.8 23.8

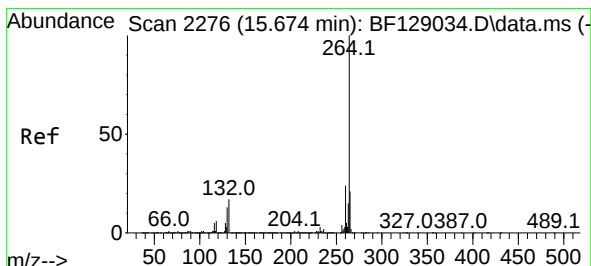
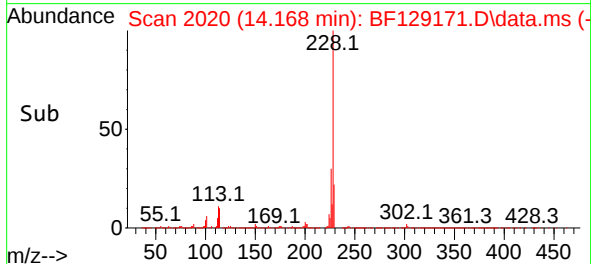
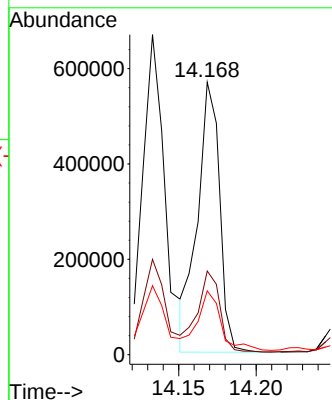
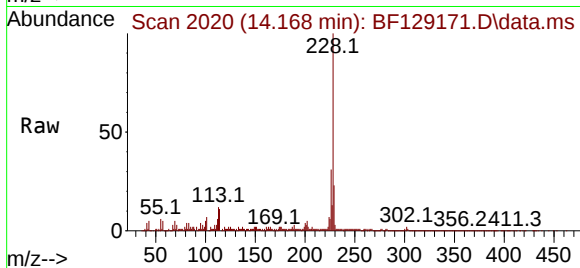




#83
Chrysene
Concen: 26.735 ng
RT: 14.168 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

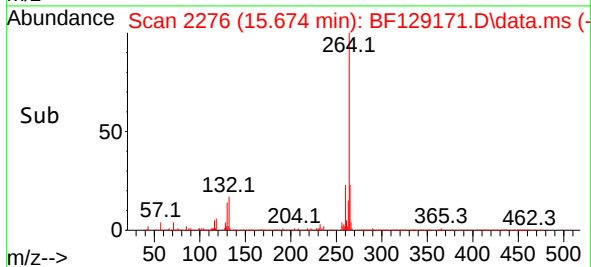
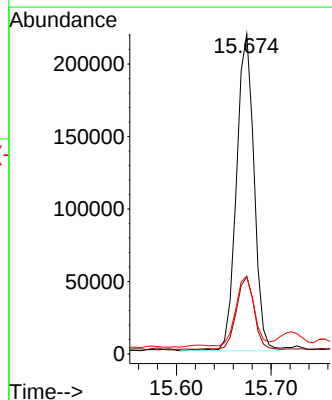
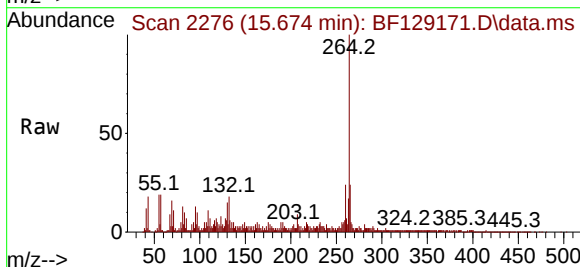
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

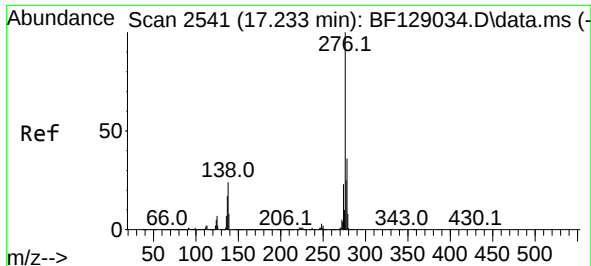
Tgt Ion:228 Resp: 562277
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 23.4 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:264 Resp: 280539
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 24.4 17.2 25.8

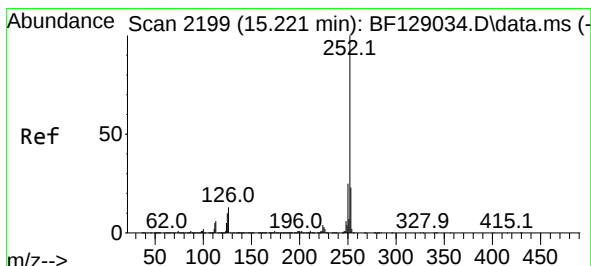
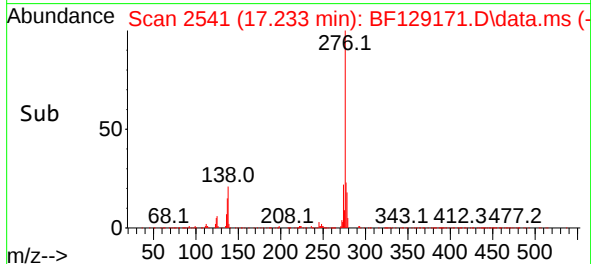
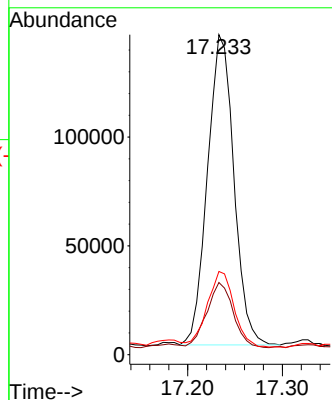
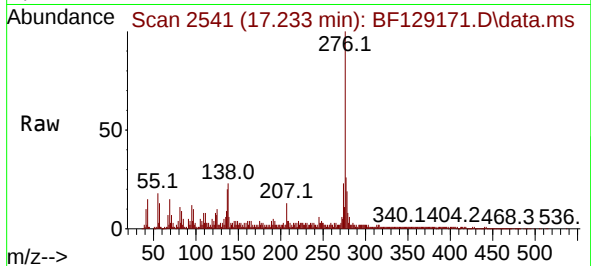




#87
Indeno(1,2,3-cd)pyrene
Concen: 16.054 ng
RT: 17.233 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

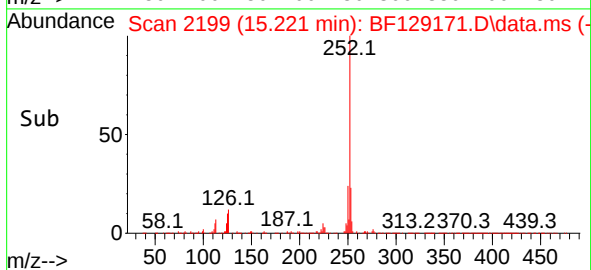
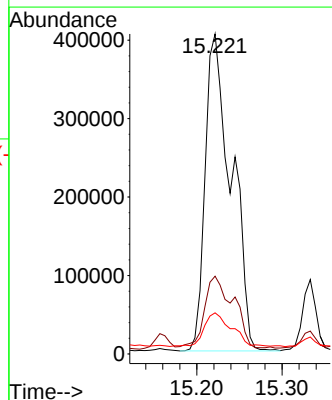
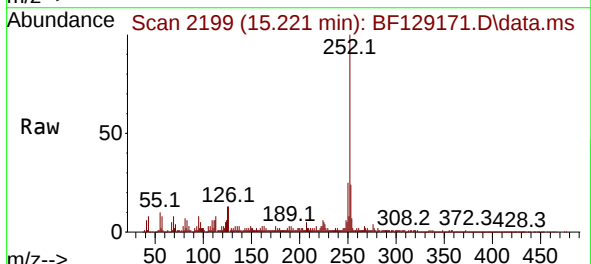
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

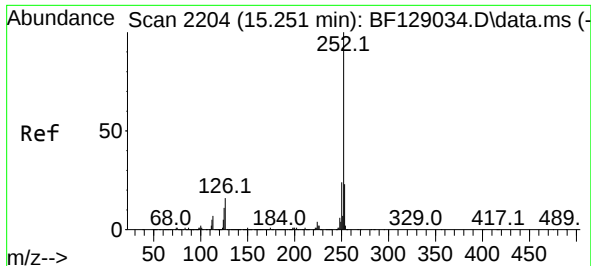
Tgt Ion:276 Resp: 276223
Ion Ratio Lower Upper
276 100
138 21.0 21.1 31.7#
277 24.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 51.347 ng
RT: 15.221 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:252 Resp: 866304
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 12.9 8.0 12.0#

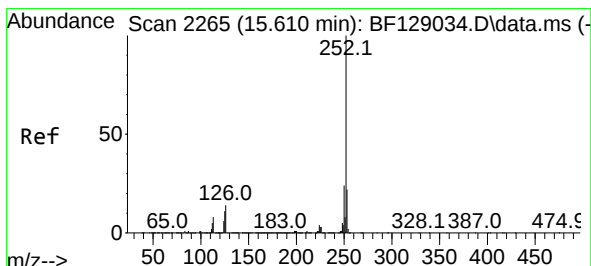
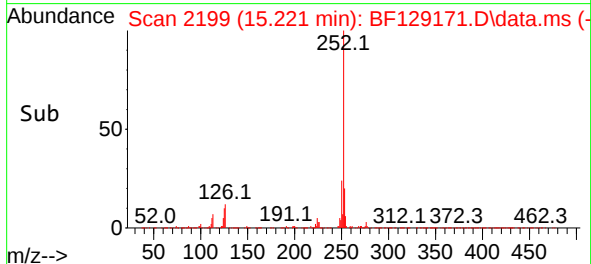
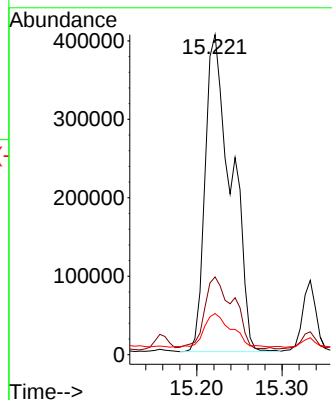
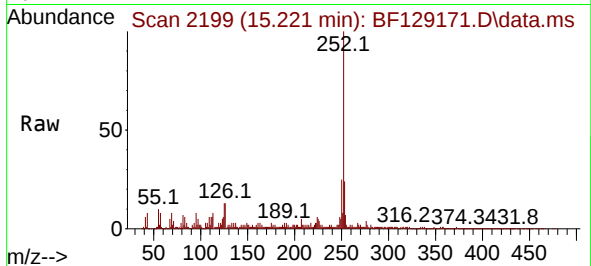




#89
Benzo(k)fluoranthene
Concen: 52.939 ng
RT: 15.221 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

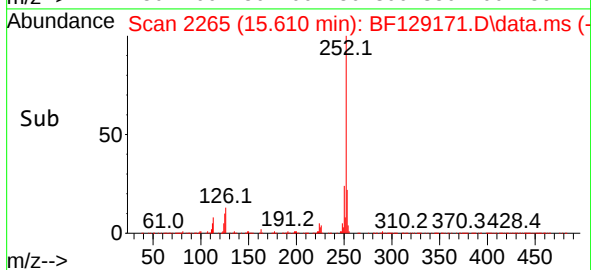
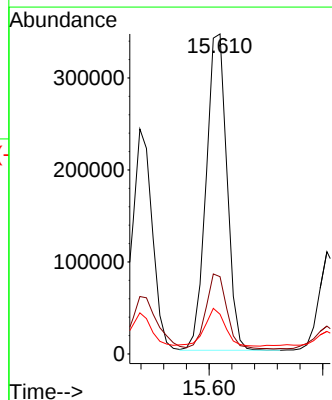
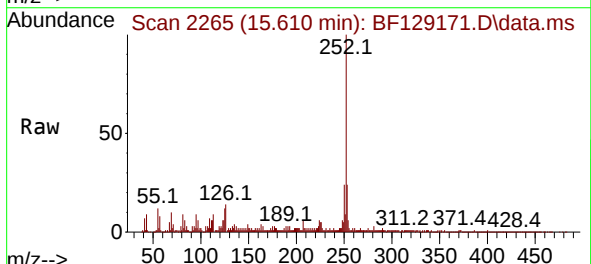
Instrument :
BNA_F
ClientSampleId :
OE-3-070622

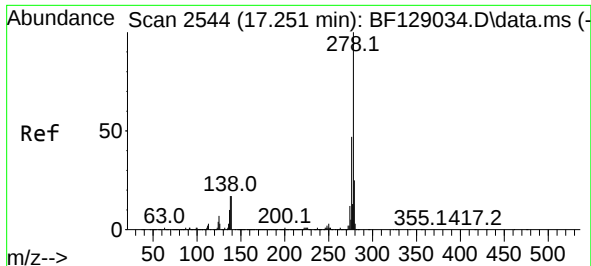
Tgt Ion:252 Resp: 866304
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 12.9 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 31.770 ng
RT: 15.610 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:252 Resp: 436953
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 12.4 8.8 13.2

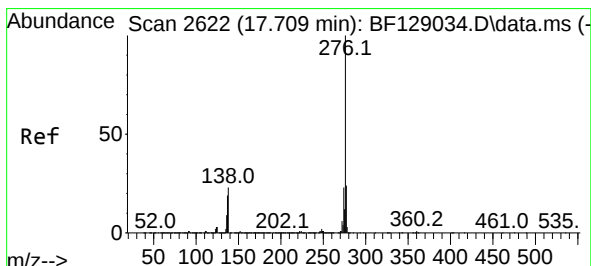
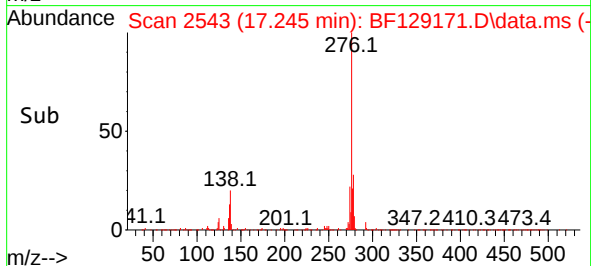
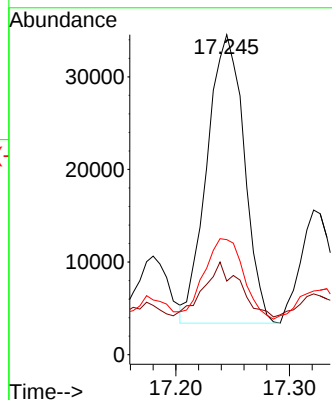
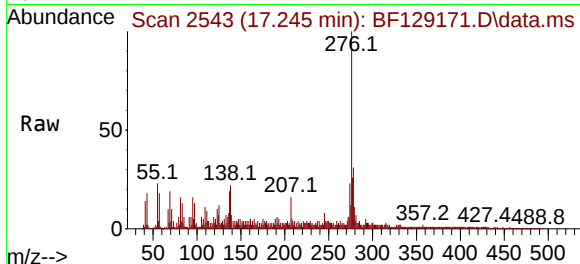




#91
Dibenzo(a,h)anthracene
Concen: 5.048 ng
RT: 17.245 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Instrument :
BNA_F
ClientSampleId :
OE-3-070622

Tgt Ion:278 Resp: 70811
Ion Ratio Lower Upper
278 100
139 23.0 12.8 19.2#
279 35.9 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 18.891 ng
RT: 17.715 min Scan# 2623
Delta R.T. 0.006 min
Lab File: BF129171.D
Acq: 07 Jul 2022 21:38

Tgt Ion:276 Resp: 265842
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 21.8 18.0 27.0

