

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129186.D
 Acq On : 12 Jul 2022 13:30
 Operator : CG\JU
 Sample : N3662-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220495B-SIM/C1B-COMPOSITE

Quant Time: Jul 12 14:16:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 14:13:54 2022
 Response via : Initial Calibration

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

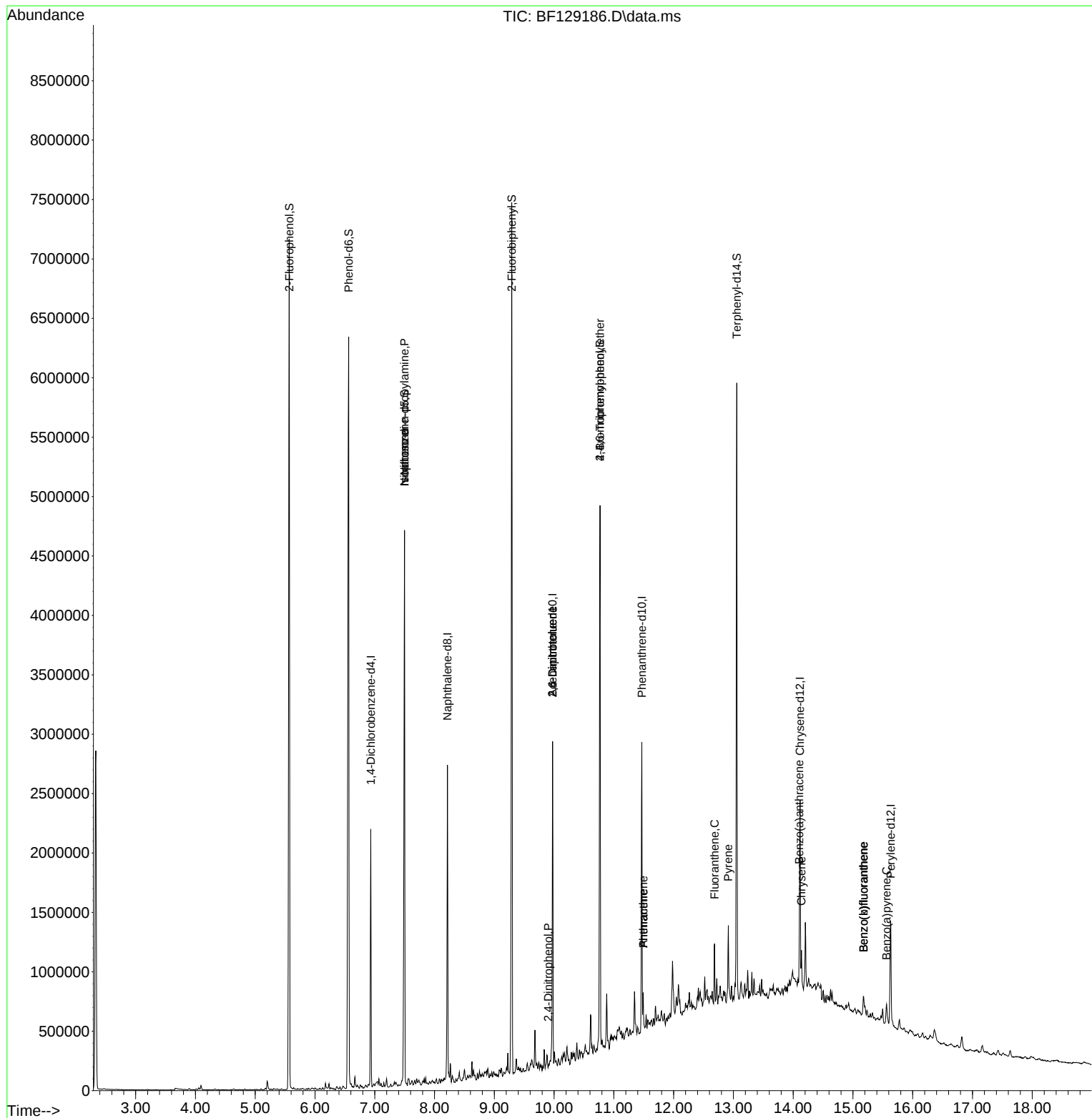
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	291048	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	1122989	20.000	ng	# 0.00
39) Acenaphthene-d10	9.975	164	517497	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	822433	20.000	ng	# 0.00
76) Chrysene-d12	14.115	240	482214	20.000	ng	# 0.00
86) Perylene-d12	15.633	264	404389	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1957443	113.704	ng	0.00
7) Phenol-d6	6.563	99	2518209	117.778	ng	0.00
23) Nitrobenzene-d5	7.498	82	1599620	84.962	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	514935	91.511	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	2248382	69.506	ng	0.00
79) Terphenyl-d14	13.057	244	1726693	74.359	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	517	Below Cal	#	15
19) n-Nitroso-di-n-propyla...	7.498	70	225504	18.232	ng	# 75
25) Isophorone	7.498	82	1591906	50.030	ng	# 65
51) 2,6-Dinitrotoluene	9.975	165	71796	10.853	ng	# 26
54) 2,4-Dinitrophenol	9.904	184	56	6.881	ng	# 1
57) 2,4-Dinitrotoluene	9.975	165	71796	8.791	ng	# 22
67) 4-Bromophenyl-phenylether	10.769	248	33758	3.859	ng	# 1
71) Phenanthrene	11.492	178	105124	2.675	ng	97
72) Anthracene	11.492	178	105124	2.713	ng	98
75) Fluoranthene	12.686	202	175875	4.280	ng	97
78) Pyrene	12.916	202	231468	6.925	ng	98
81) Benzo(a)anthracene	14.104	228	129419	4.396	ng	# 83
83) Chrysene	14.139	228	118382	4.331	ng	# 95
88) Benzo(b)fluoranthene	15.180	252	110660	4.550	ng	# 87
89) Benzo(k)fluoranthene	15.180	252	110660	4.691	ng	# 87
90) Benzo(a)pyrene	15.562	252	79113	3.990	ng	# 91

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

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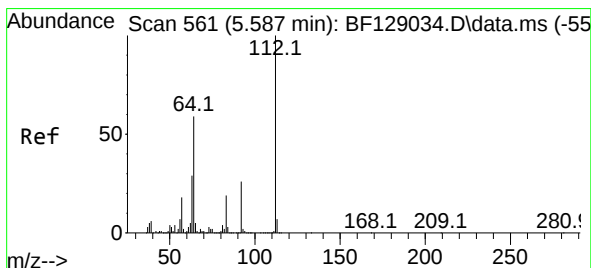
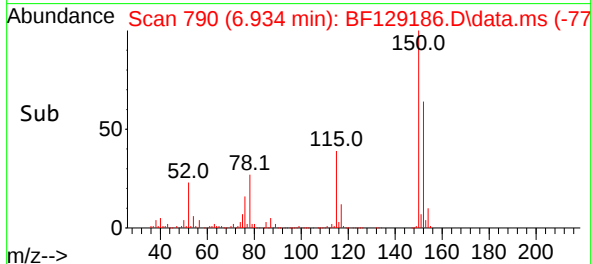
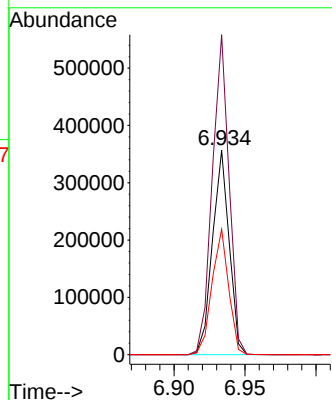
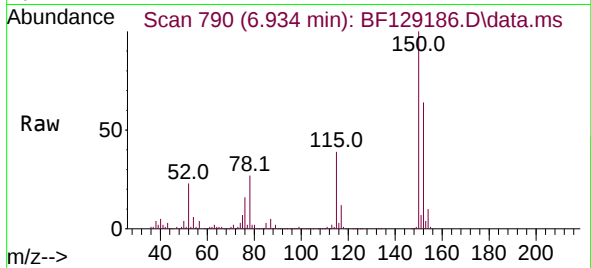




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

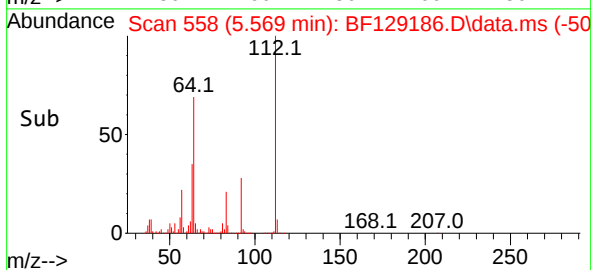
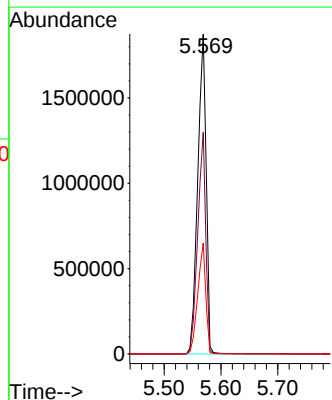
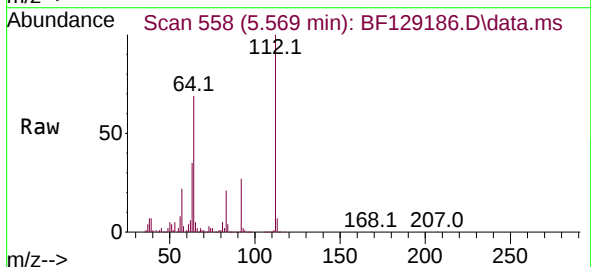
Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

Tgt Ion:152 Resp: 291048
Ion Ratio Lower Upper
152 100
150 156.4 123.7 185.5
115 61.3 49.9 74.9



#5
2-Fluorophenol
Concen: 113.704 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion:112 Resp: 1957443
Ion Ratio Lower Upper
112 100
64 69.3 53.3 79.9
63 34.7 28.0 42.0

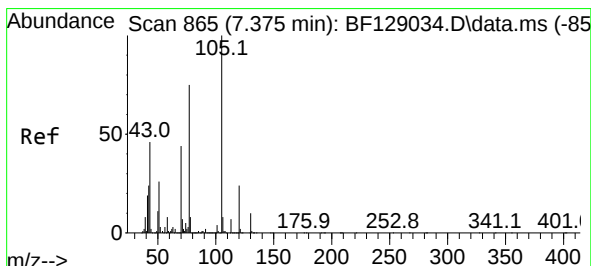
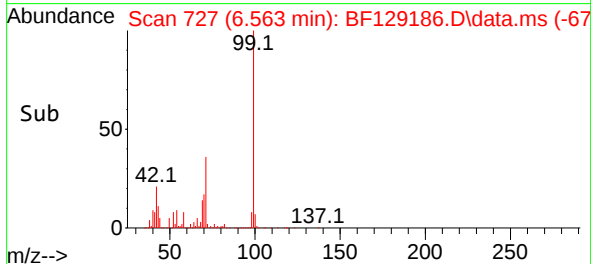
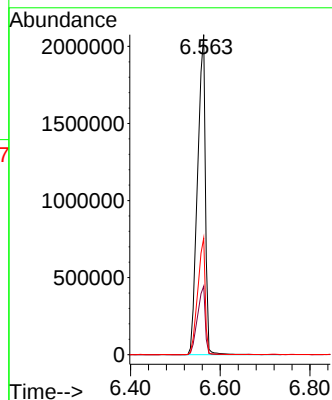
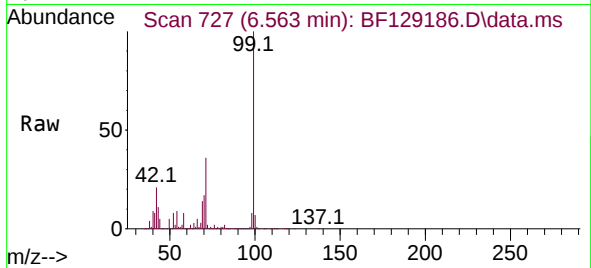




#7
Phenol-d6
Concen: 117.778 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

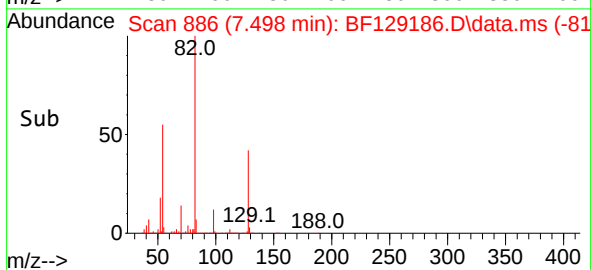
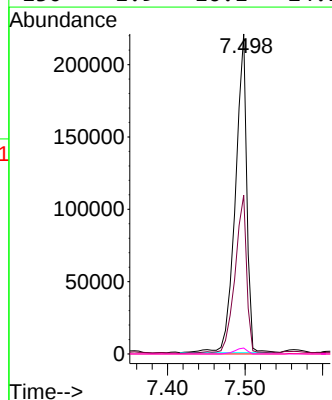
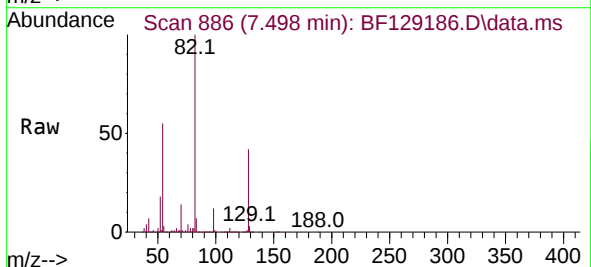
Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

Tgt Ion: 99 Resp: 2518209
Ion Ratio Lower Upper
99 100
42 21.4 17.3 25.9
71 36.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.232 ng
RT: 7.498 min Scan# 886
Delta R.T. 0.147 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

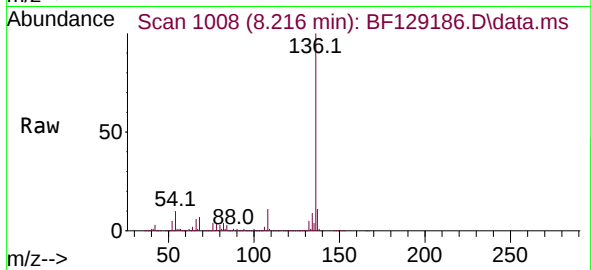
Tgt Ion: 70 Resp: 225504
Ion Ratio Lower Upper
70 100
42 49.6 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#



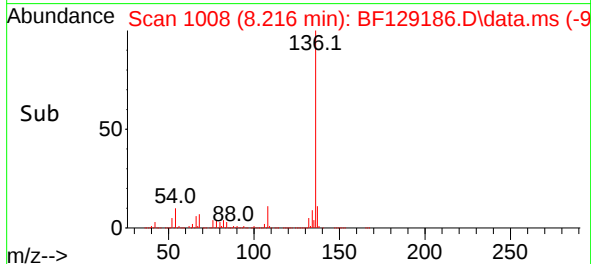
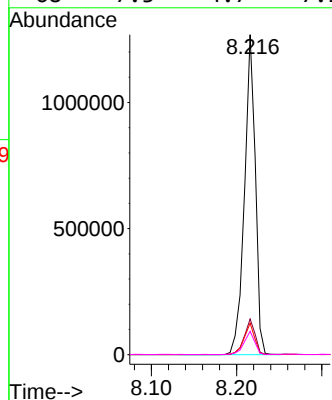


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

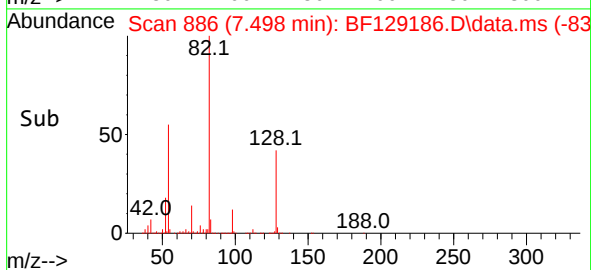
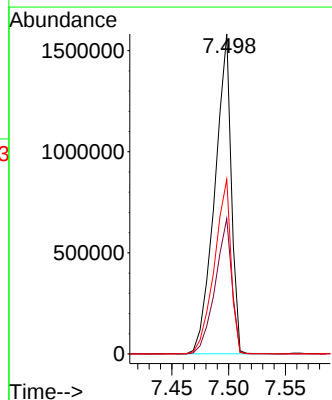
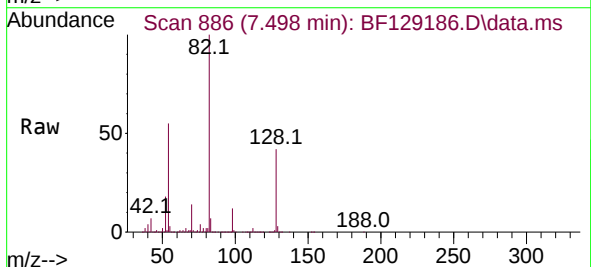


Tgt Ion:136 Resp: 1122989
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.8 7.5 11.3
68 7.3 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 84.962 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion: 82 Resp: 1599620
Ion Ratio Lower Upper
82 100
128 42.3 34.0 51.0
54 54.5 46.9 70.3

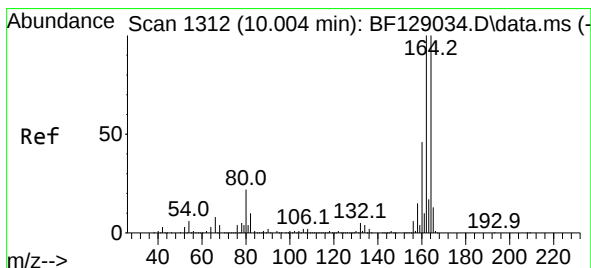
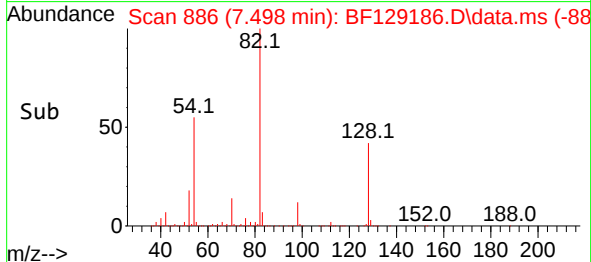
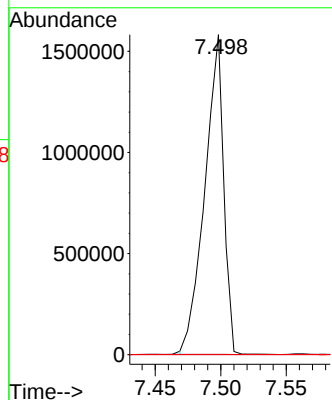
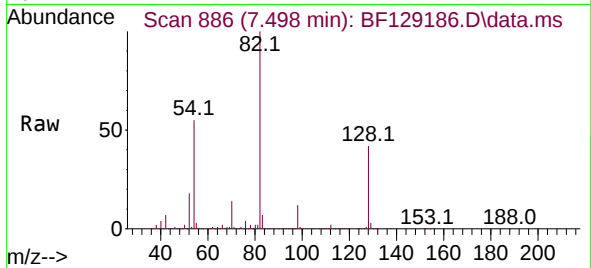




#25
Isophorone
Concen: 50.030 ng
RT: 7.498 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

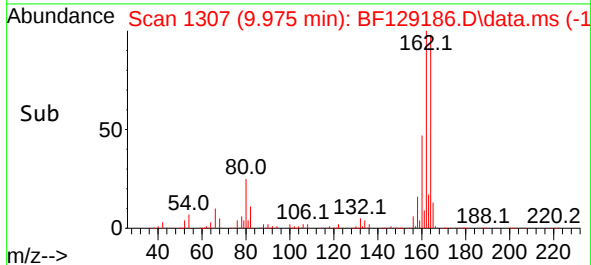
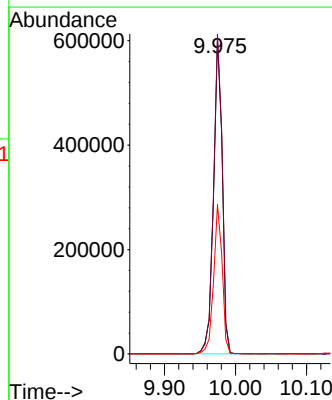
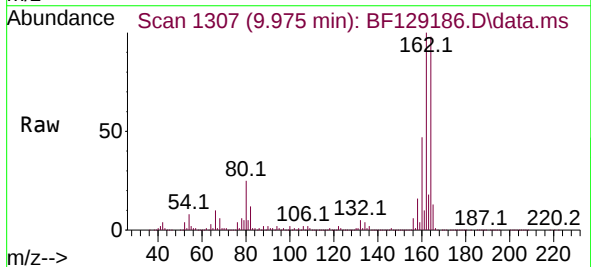
Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

Tgt Ion: 82 Resp: 1591906
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion:164 Resp: 517497
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 47.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 91.511 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF129186.D

Acq: 12 Jul 2022 13:30

Instrument :

BNA_F

ClientSampleId :

20220495B-SIM/C1B-COMPOSITE

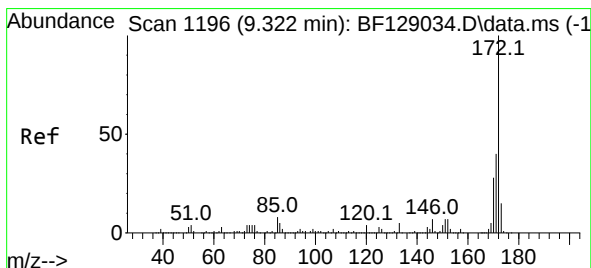
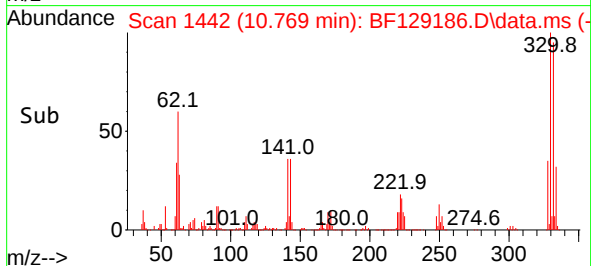
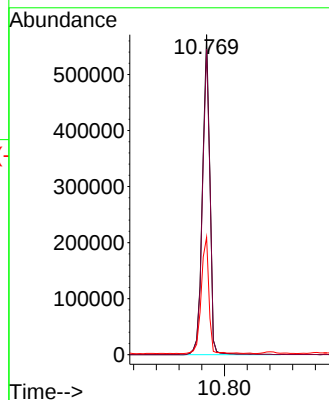
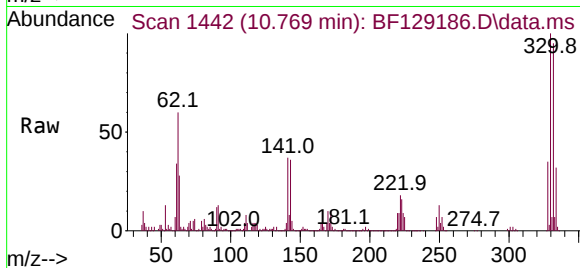
Tgt Ion:330 Resp: 514935

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 38.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 69.506 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF129186.D

Acq: 12 Jul 2022 13:30

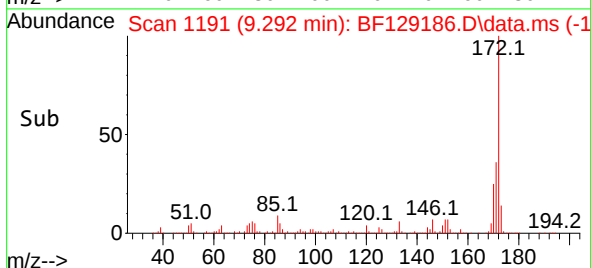
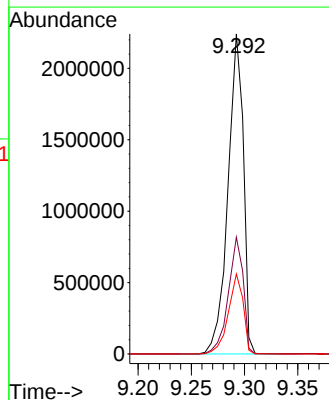
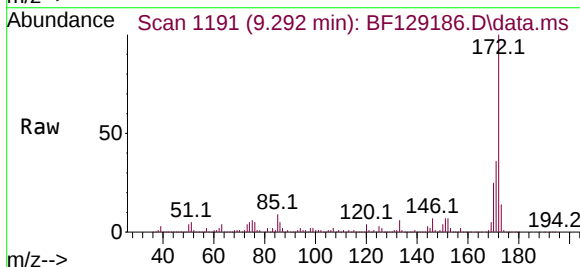
Tgt Ion:172 Resp: 2248382

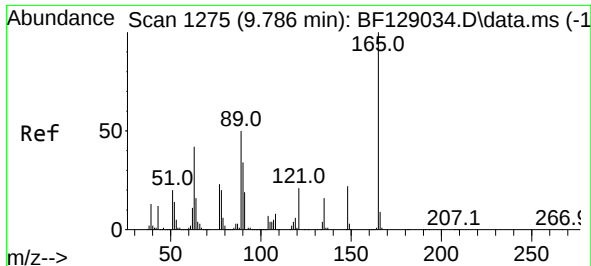
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 25.0 19.8 29.8

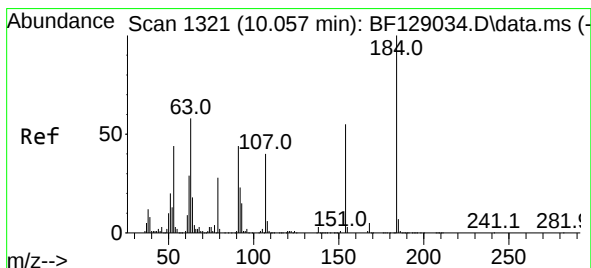
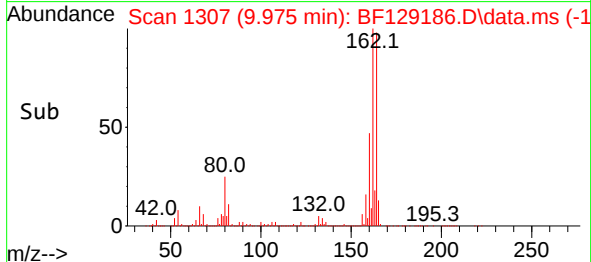
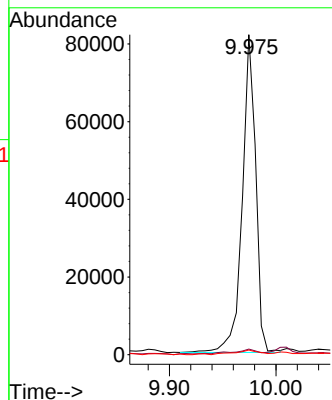
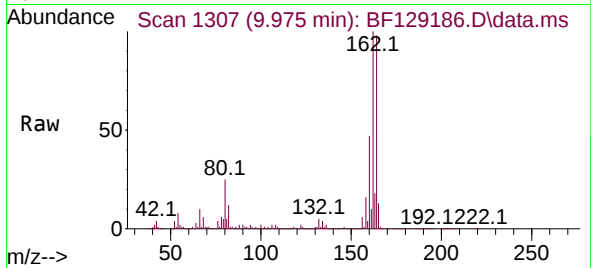




#51
2,6-Dinitrotoluene
Concen: 10.853 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

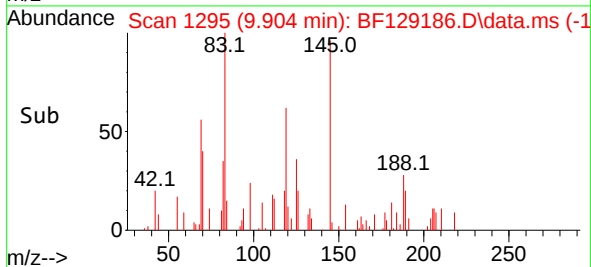
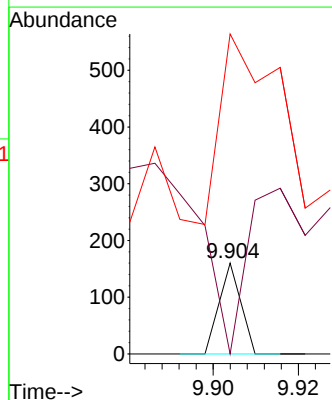
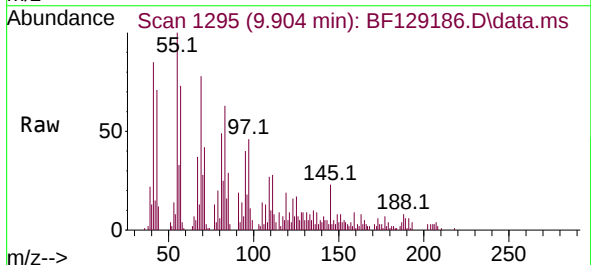
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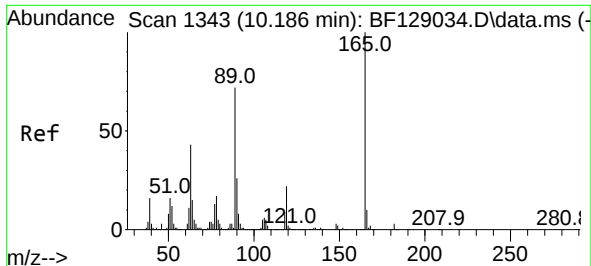
Tgt Ion:165 Resp: 71796
Ion Ratio Lower Upper
165 100
63 1.8 44.9 67.3#
89 1.4 43.6 65.4#



#54
2,4-Dinitrophenol
Concen: 6.881 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.135 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 64.5 96.7#
154 352.5 50.6 75.8#

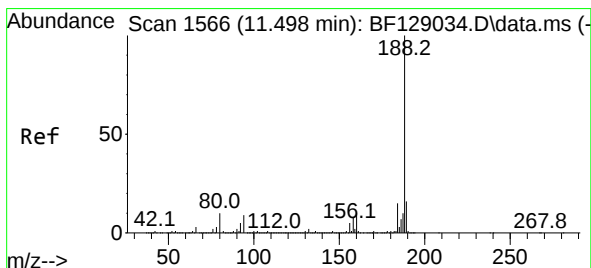
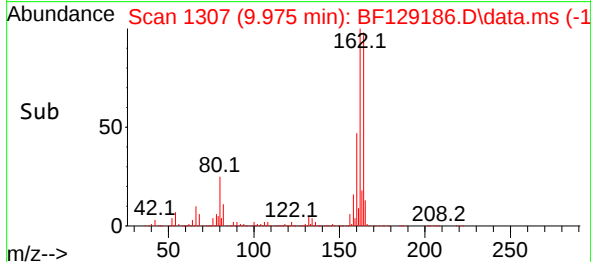
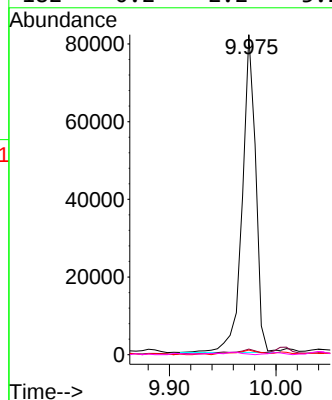
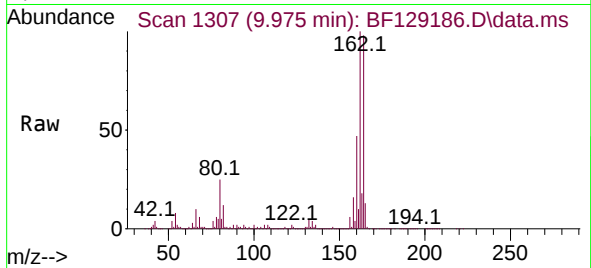




#57
2,4-Dinitrotoluene
Concen: 8.791 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

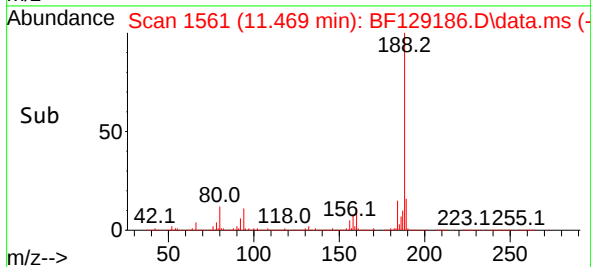
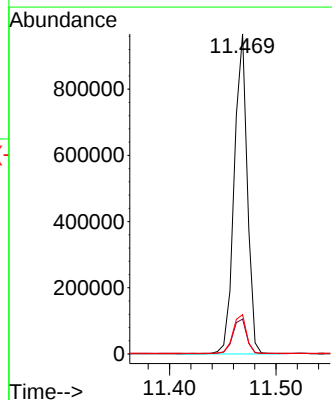
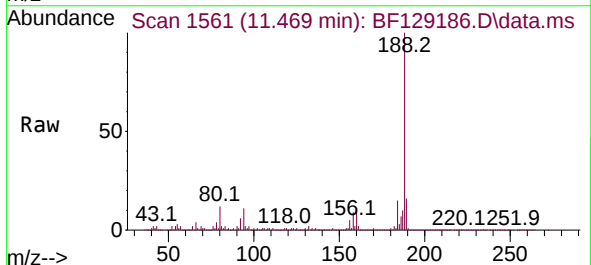
Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

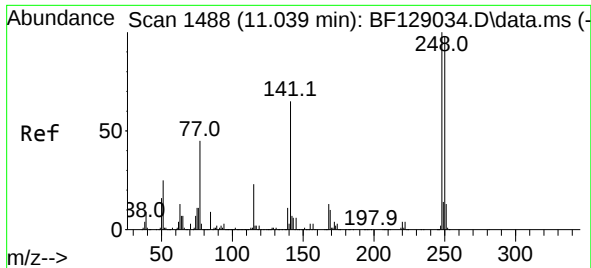
Tgt Ion:165 Resp: 71796
Ion Ratio Lower Upper
165 100
63 1.8 39.8 59.6#
89 1.4 60.2 90.2#
182 0.2 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion:188 Resp: 822433
Ion Ratio Lower Upper
188 100
94 10.9 7.0 10.6#
80 12.3 7.6 11.4#

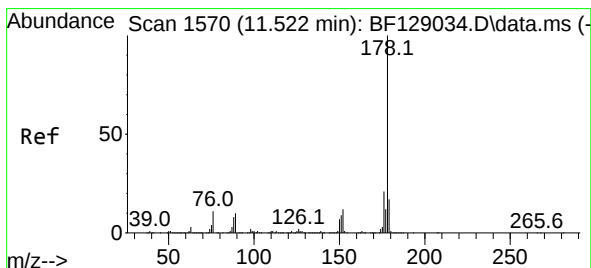
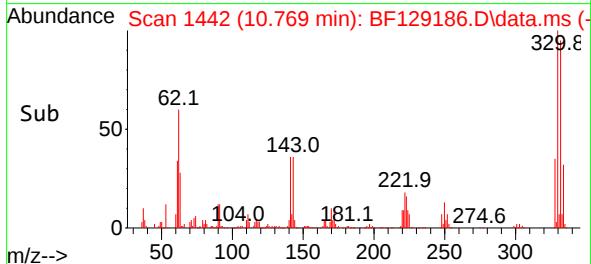
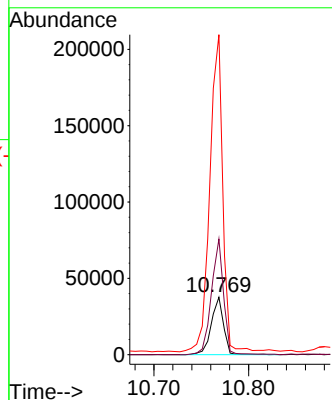
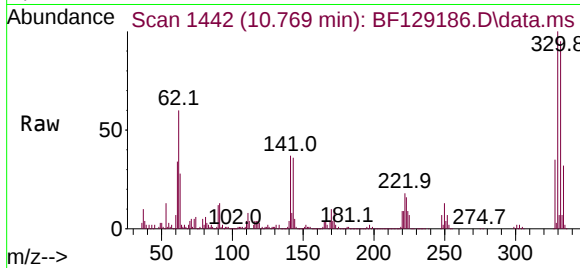




#67
4-Bromophenyl-phenylether
Concen: 3.859 ng
RT: 10.769 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

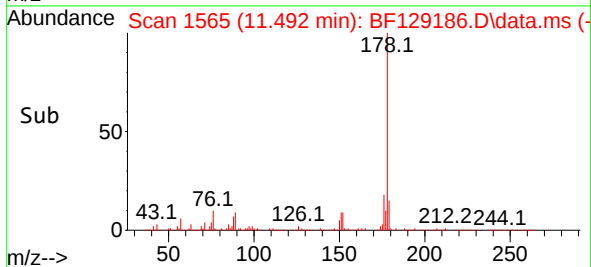
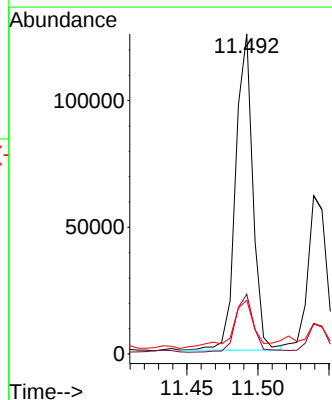
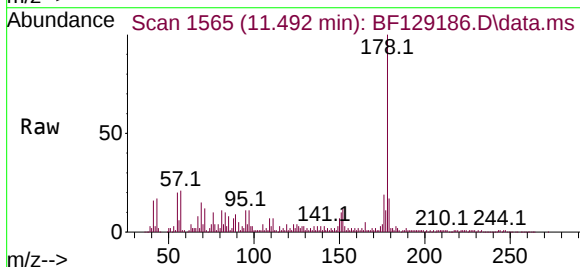
Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

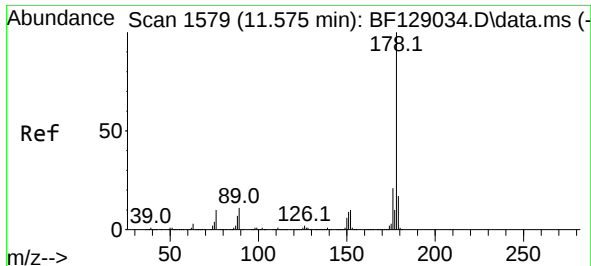
Tgt Ion:248 Resp: 33758
Ion Ratio Lower Upper
248 100
250 201.5 80.6 120.8#
141 557.3 58.9 88.3#



#71
Phenanthrene
Concen: 2.675 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion:178 Resp: 105124
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 16.8 12.6 19.0

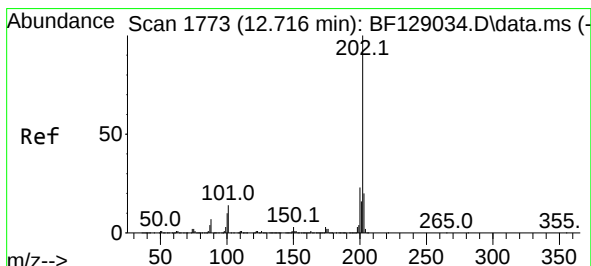
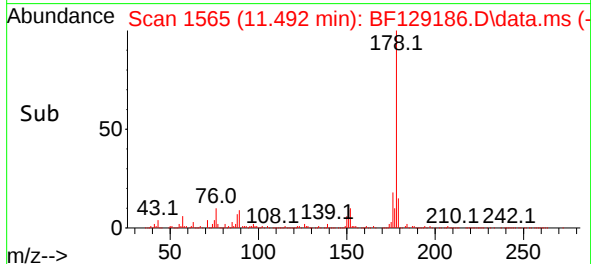
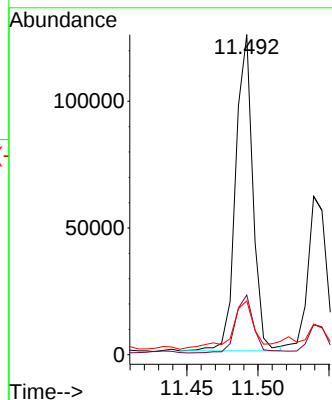
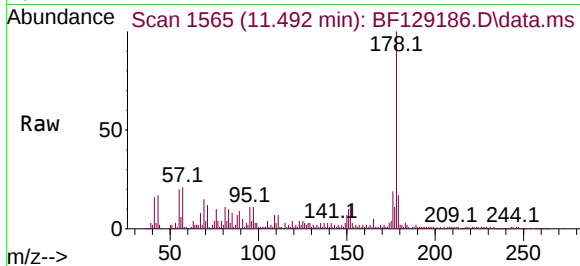




#72
 Anthracene
 Concen: 2.713 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF129186.D
 Acq: 12 Jul 2022 13:30

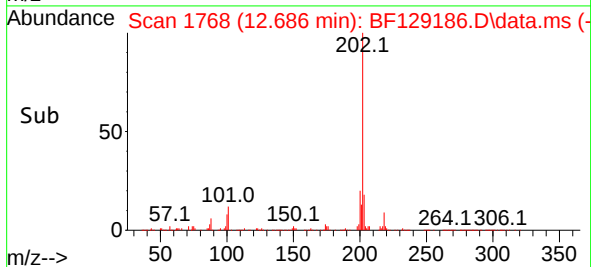
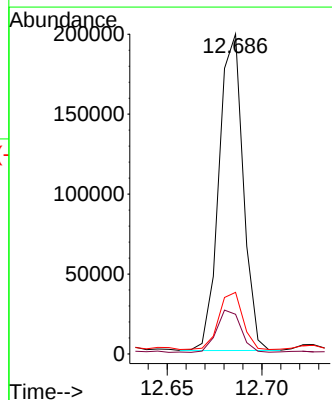
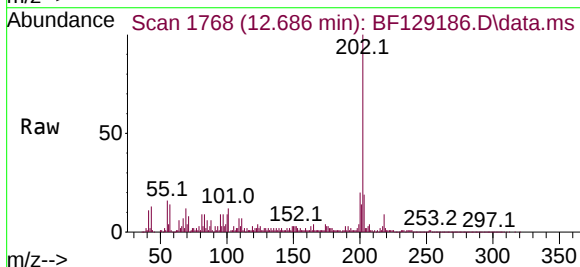
Instrument :
 BNA_F
 ClientSampleId :
 20220495B-SIM/C1B-COMPOSITE

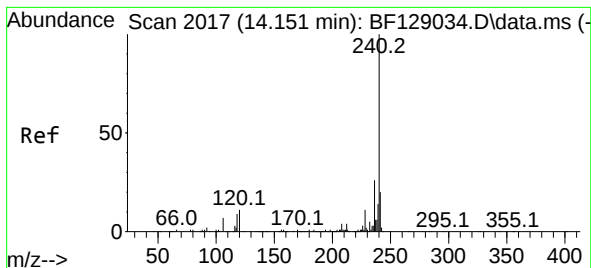
Tgt Ion:178 Resp: 105124
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.2
 179 16.8 12.6 19.0



#75
 Fluoranthene
 Concen: 4.280 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. -0.006 min
 Lab File: BF129186.D
 Acq: 12 Jul 2022 13:30

Tgt Ion:202 Resp: 175875
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.4
 203 19.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129186.D

Acq: 12 Jul 2022 13:30

Instrument :

BNA_F

ClientSampleId :

20220495B-SIM/C1B-COMPOSITE

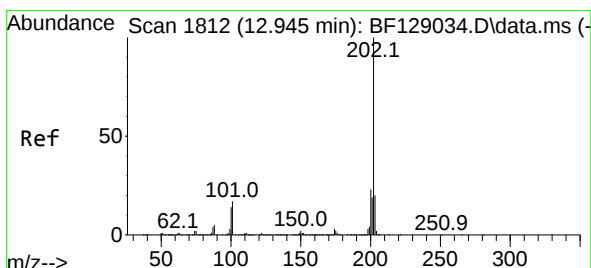
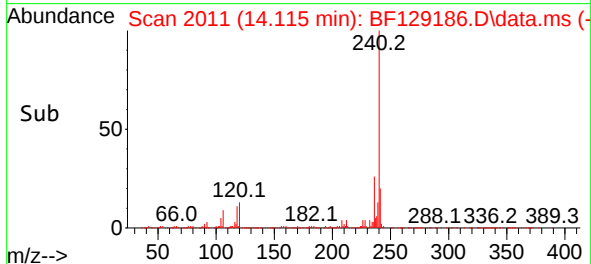
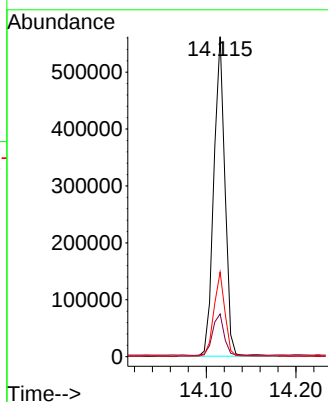
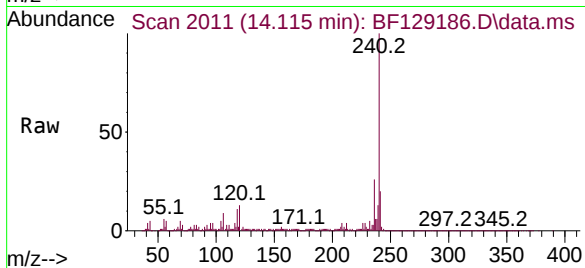
Tgt Ion:240 Resp: 482214

Ion Ratio Lower Upper

240 100

120 13.4 8.9 13.3#

236 26.5 20.8 31.2



#78

Pyrene

Concen: 6.925 ng

RT: 12.916 min Scan# 1807

Delta R.T. -0.006 min

Lab File: BF129186.D

Acq: 12 Jul 2022 13:30

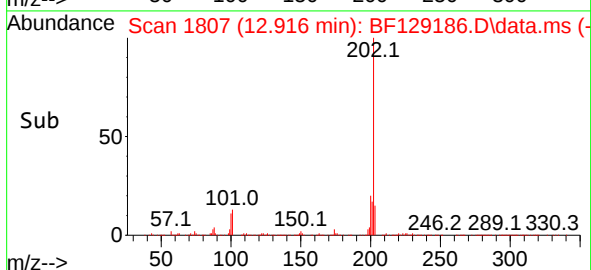
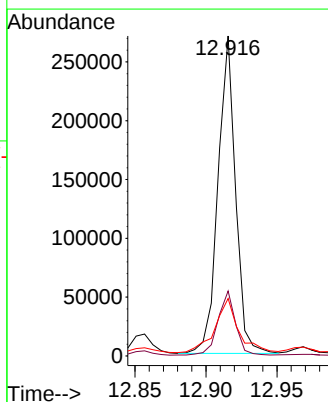
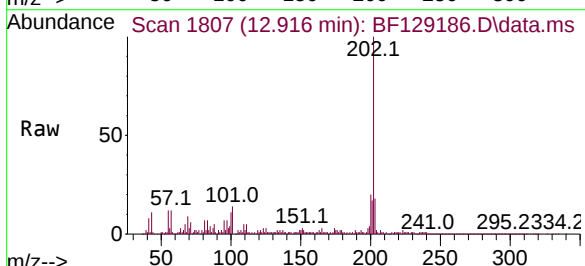
Tgt Ion:202 Resp: 231468

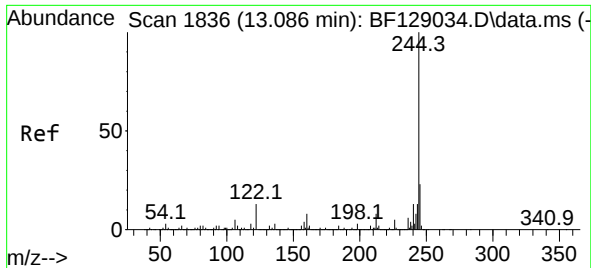
Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

203 18.0 14.6 21.8

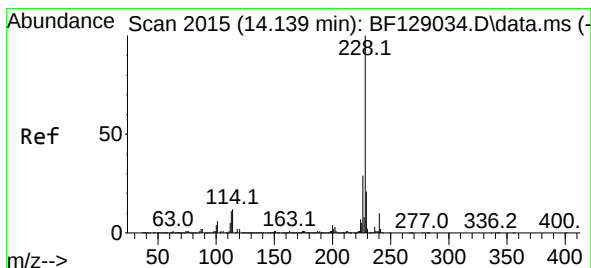
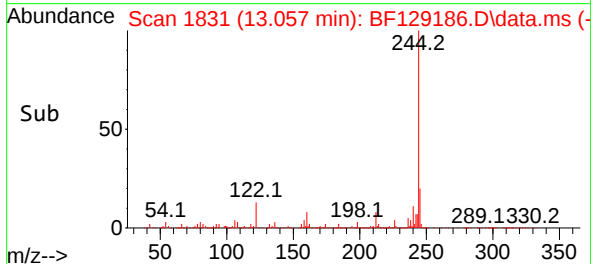
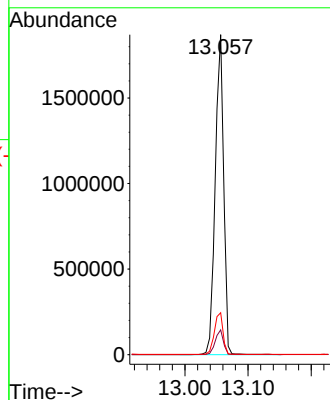
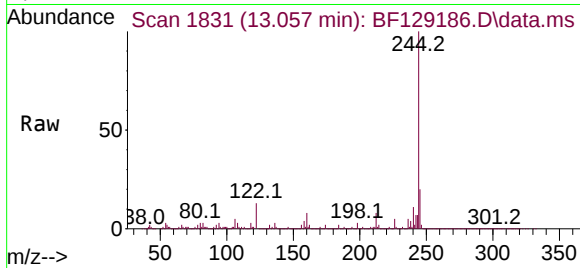




#79
 Terphenyl-d14
 Concen: 74.359 ng
 RT: 13.057 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129186.D
 Acq: 12 Jul 2022 13:30

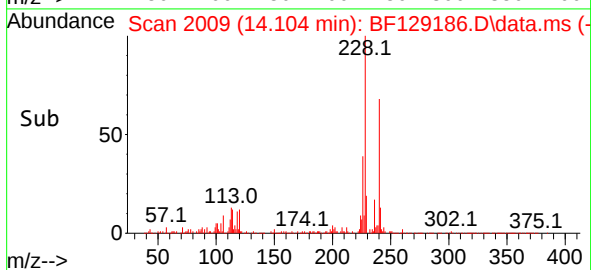
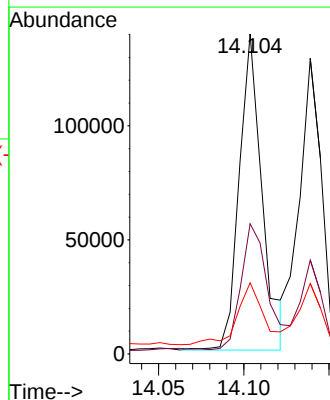
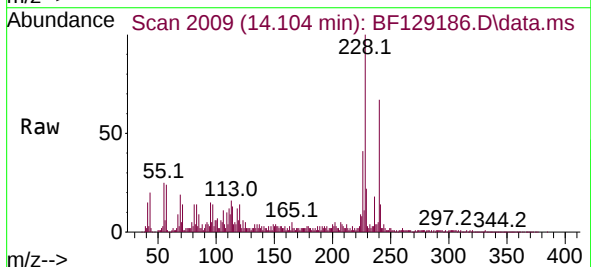
Instrument :
 BNA_F
 ClientSampleId :
 20220495B-SIM/C1B-COMPOSITE

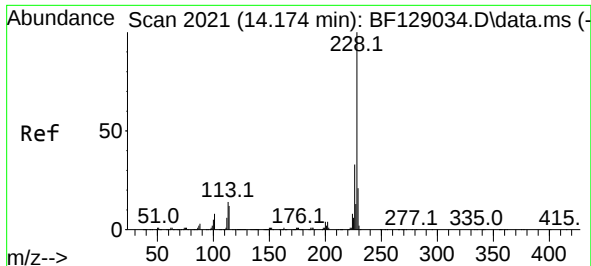
Tgt Ion:244 Resp: 1726693
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 13.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 4.396 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.006 min
 Lab File: BF129186.D
 Acq: 12 Jul 2022 13:30

Tgt Ion:228 Resp: 129419
 Ion Ratio Lower Upper
 228 100
 226 40.7 22.1 33.1#
 229 22.3 15.8 23.8

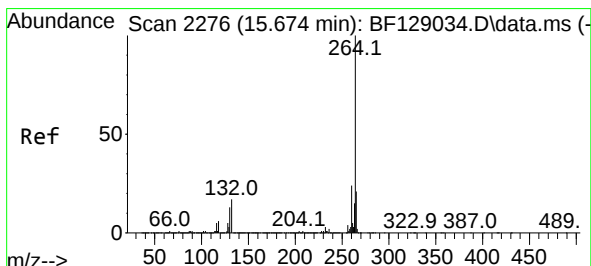
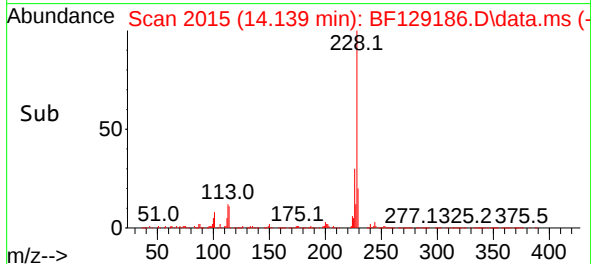
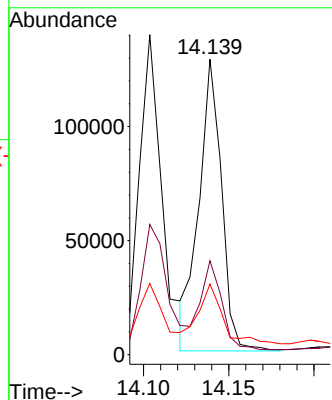
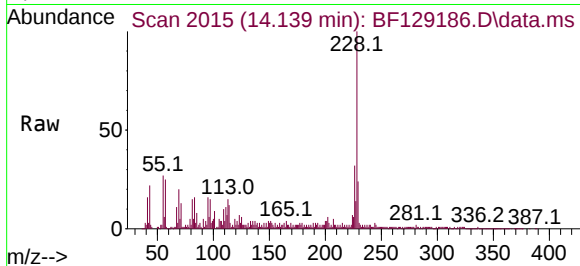




#83
Chrysene
Concen: 4.331 ng
RT: 14.139 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

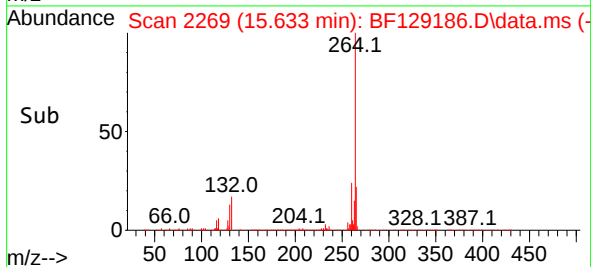
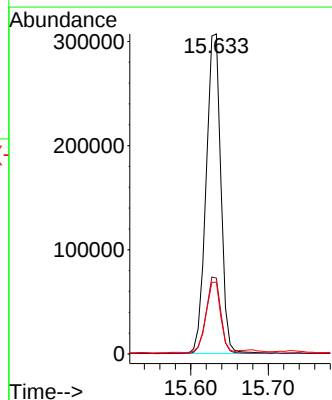
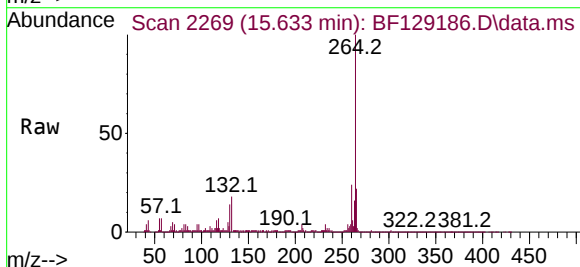
Instrument :
BNA_F
ClientSampleId :
20220495B-SIM/C1B-COMPOSITE

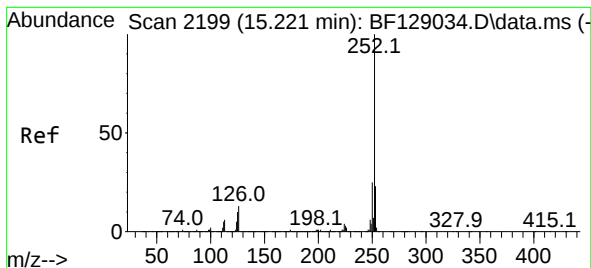
Tgt Ion:228 Resp: 118382
Ion Ratio Lower Upper
228 100
226 31.8 24.3 36.5
229 23.9 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF129186.D
Acq: 12 Jul 2022 13:30

Tgt Ion:264 Resp: 404389
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 22.5 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 4.550 ng

RT: 15.180 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF129186.D

Acq: 12 Jul 2022 13:30

Instrument :

BNA_F

ClientSampleId :

20220495B-SIM/C1B-COMPOSITE

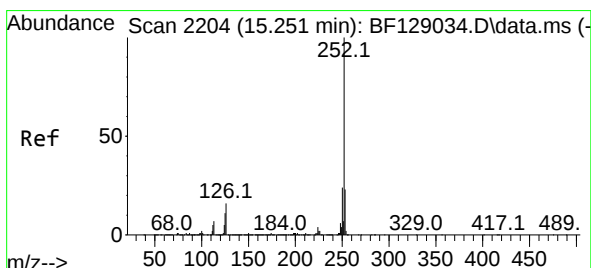
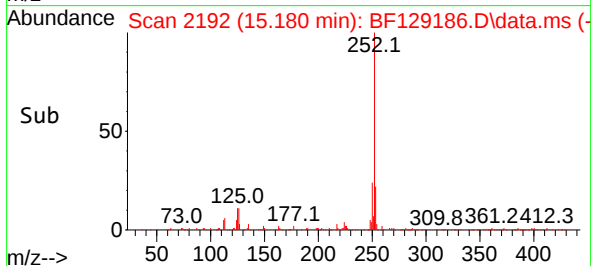
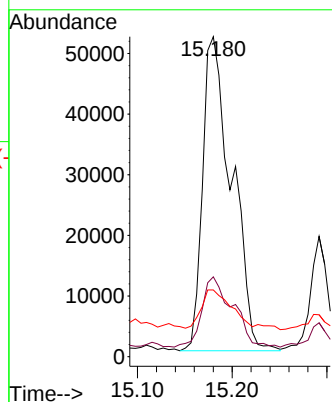
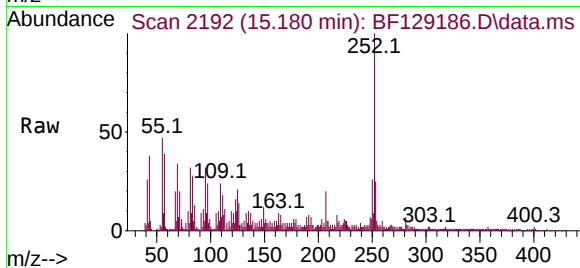
Tgt Ion:252 Resp: 110660

Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

125 20.8 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 4.691 ng

RT: 15.180 min Scan# 2192

Delta R.T. -0.035 min

Lab File: BF129186.D

Acq: 12 Jul 2022 13:30

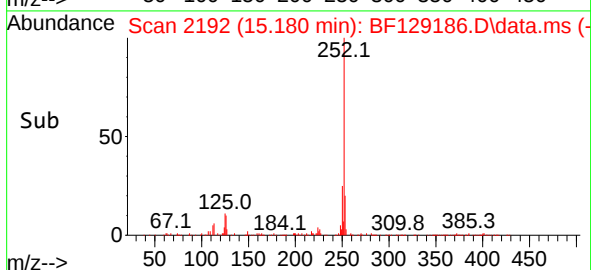
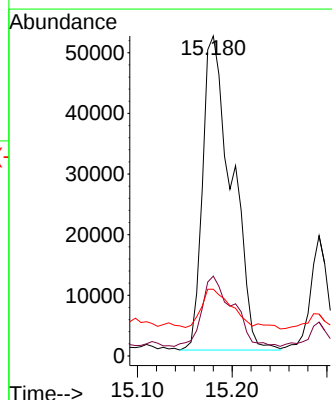
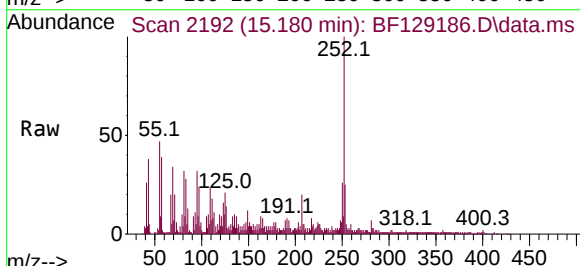
Tgt Ion:252 Resp: 110660

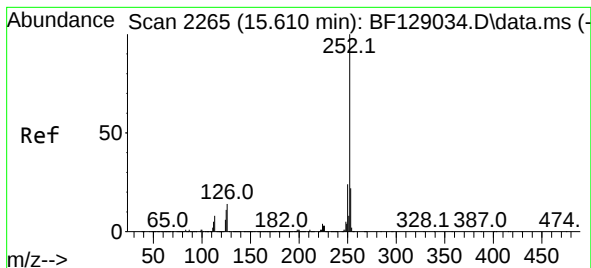
Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

125 20.8 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 3.990 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129186.D

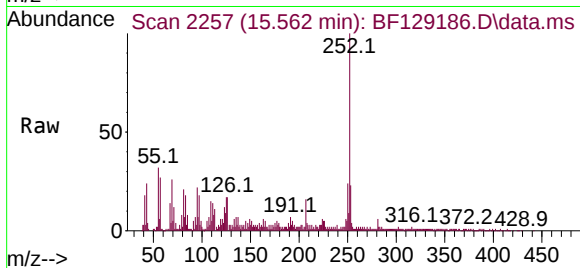
Acq: 12 Jul 2022 13:30

Instrument :

BNA_F

ClientSampleId :

20220495B-SIM/C1B-COMPOSITE



Tgt Ion:252 Resp: 79113

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 17.3 8.8 13.2#

