

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129487.D
 Acq On : 01 Aug 2022 22:34
 Operator : CG\JU
 Sample : N3970-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-UPPER

Quant Time: Aug 02 01:18:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

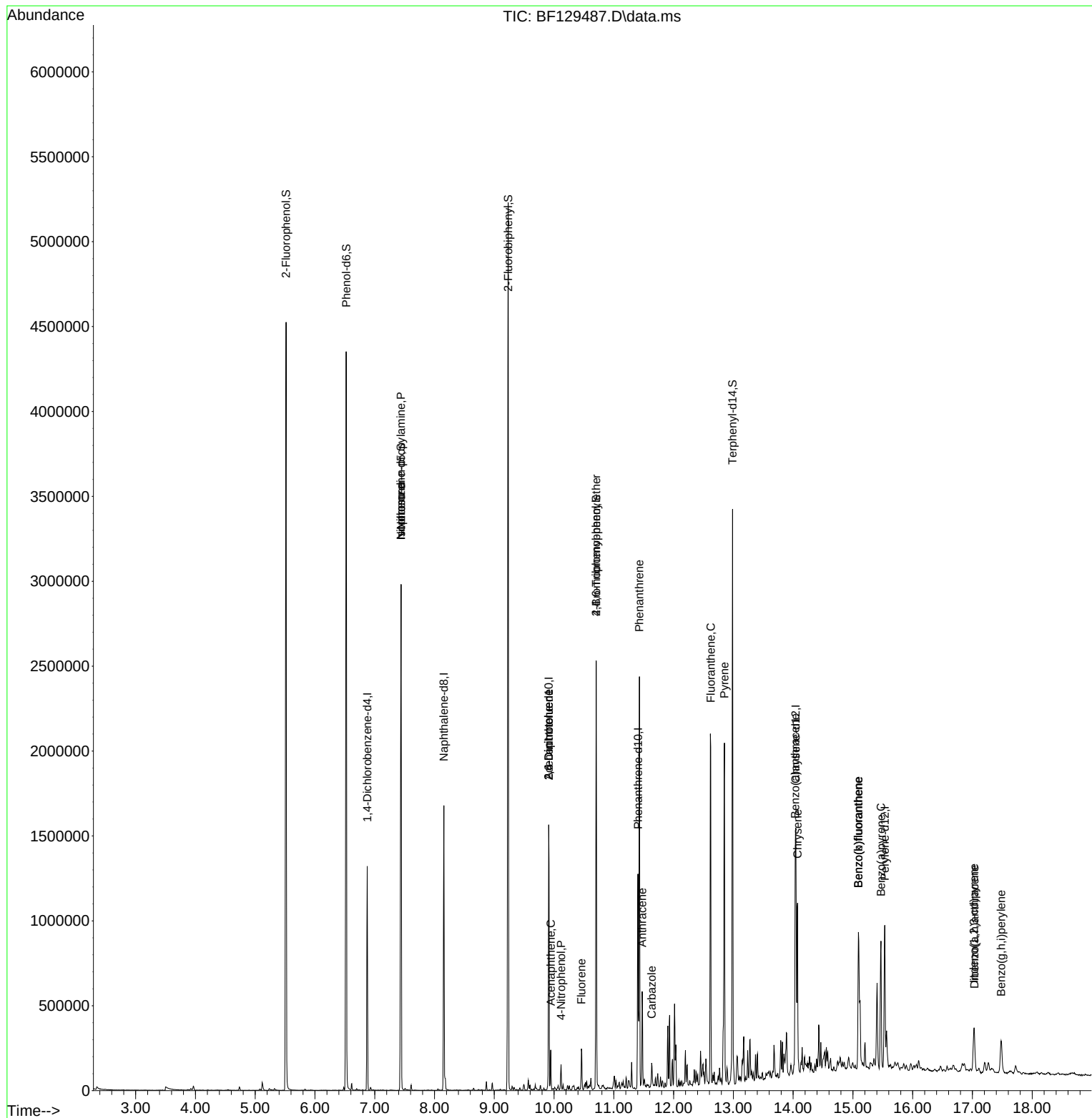
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	173841	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	686258	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	317872	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	431468	20.000	ng	0.00
76) Chrysene-d12	14.045	240	328805	20.000	ng	0.00
86) Perylene-d12	15.533	264	369625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1195027	111.981	ng	0.01
7) Phenol-d6	6.522	99	1504377	112.153	ng	0.00
23) Nitrobenzene-d5	7.440	82	938836	74.680	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	262015	85.735	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1546003	75.237	ng	0.00
79) Terphenyl-d14	12.986	244	1037465	59.526	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	124523	15.334	ng	# 74
25) Isophorone	7.440	82	938829	41.662	ng	# 65
51) 2,6-Dinitrotoluene	9.910	165	41376	8.424	ng	# 25
52) Acenaphthene	9.945	154	42924	2.306	ng	98
56) 4-Nitrophenol	10.116	139	17575	4.108	ng	# 9
57) 2,4-Dinitrotoluene	9.910	165	41376	6.449	ng	# 21
58) Fluorene	10.457	166	64787	3.156	ng	99
67) 4-Bromophenyl-phenylether	10.704	248	16226	3.434	ng	# 1
71) Phenanthrene	11.428	178	792447	33.646	ng	99
72) Anthracene	11.475	178	205226	8.867	ng	98
73) Carbazole	11.633	167	51431	2.361	ng	99
75) Fluoranthene	12.622	202	813085	34.071	ng	99
78) Pyrene	12.851	202	807614	29.373	ng	99
81) Benzo(a)anthracene	14.033	228	451101	20.084	ng	99
83) Chrysene	14.074	228	396943	18.752	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	171353	6.884	ng	96
88) Benzo(b)fluoranthene	15.092	252	600541	24.494	ng	# 98
89) Benzo(k)fluoranthene	15.092	252	600541	24.994	ng	98
90) Benzo(a)pyrene	15.468	252	352837	17.727	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	47653	2.352	ng	94
92) Benzo(g,h,i)perylene	17.480	276	158229	7.643	ng	100

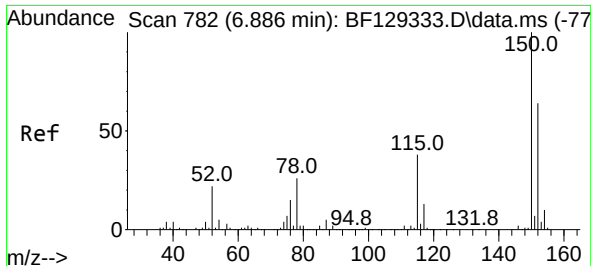
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 01:11:25 2022
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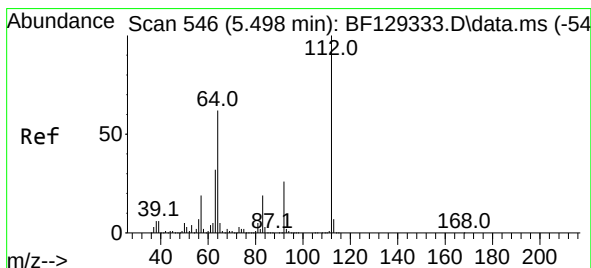
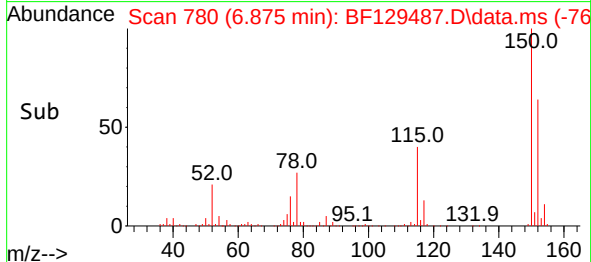
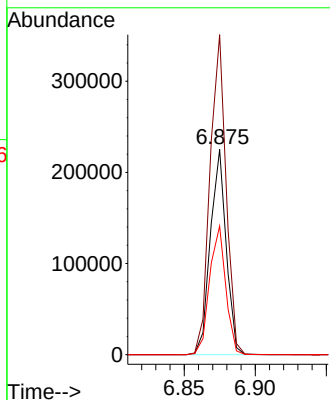
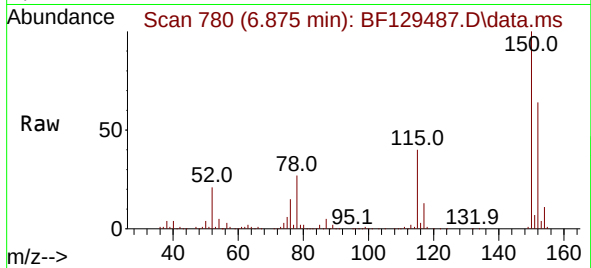




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34

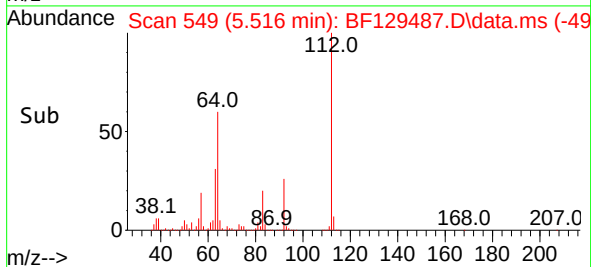
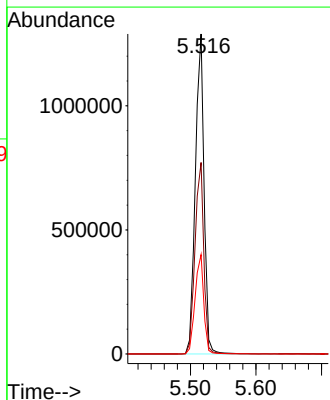
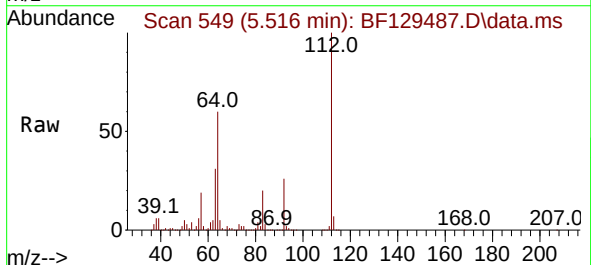
Instrument :
 BNA_F
 ClientSampleId :
 MHB-UPPER

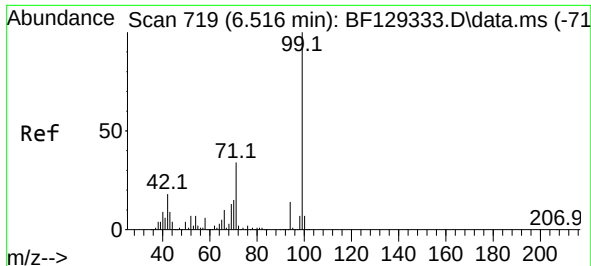
Tgt Ion:152 Resp: 173841
 Ion Ratio Lower Upper
 152 100
 150 155.8 123.7 185.5
 115 62.6 49.9 74.9



#5
 2-Fluorophenol
 Concen: 111.981 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.012 min
 Lab File: BF129487.D
 Acq: 01 Aug 2022 22:34

Tgt Ion:112 Resp: 1195027
 Ion Ratio Lower Upper
 112 100
 64 59.9 53.3 79.9
 63 31.1 28.0 42.0

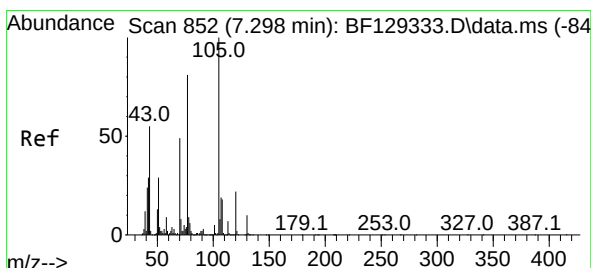
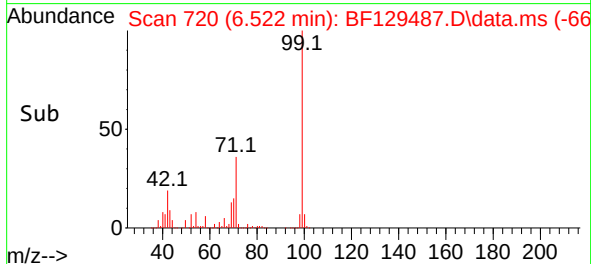
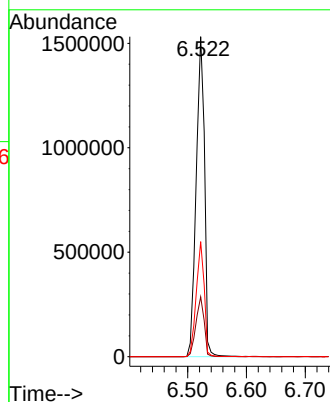
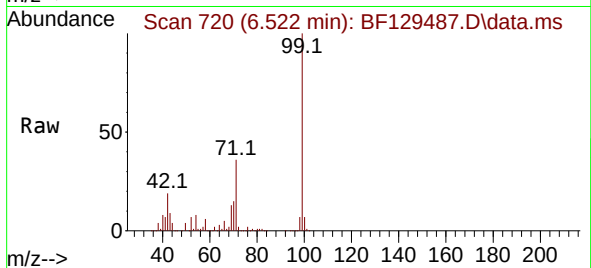




#7
Phenol-d6
Concen: 112.153 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

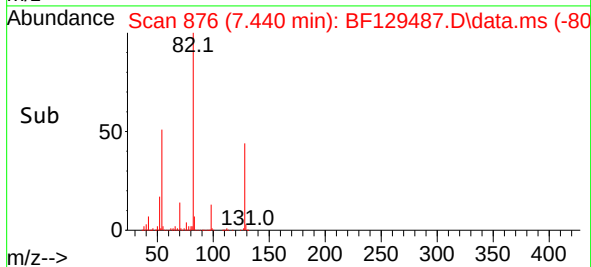
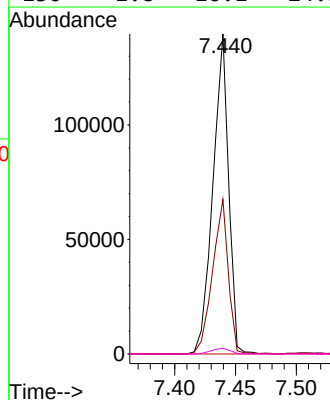
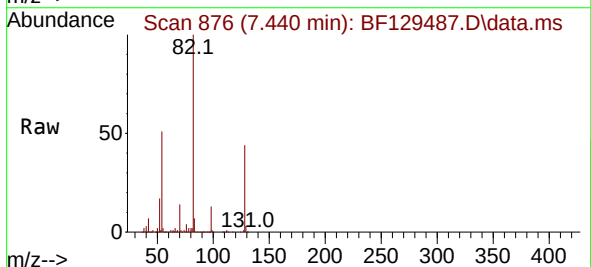
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

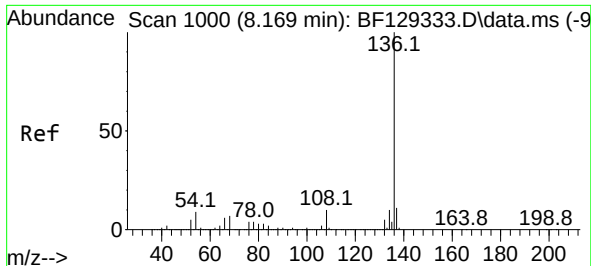
Tgt Ion: 99 Resp: 1504377
Ion Ratio Lower Upper
99 100
42 18.7 17.3 25.9
71 35.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.334 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion: 70 Resp: 124523
Ion Ratio Lower Upper
70 100
42 48.3 52.3 78.5#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#

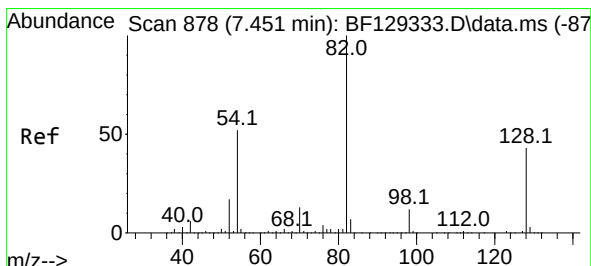
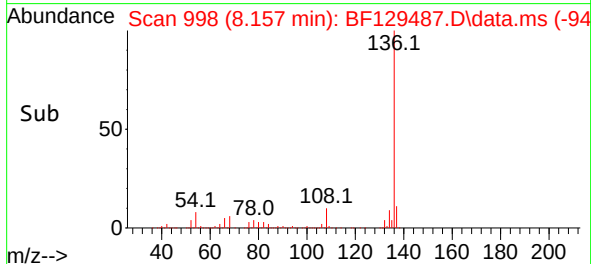
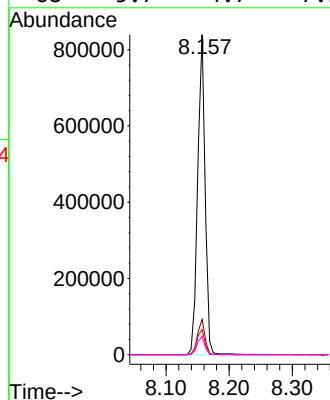
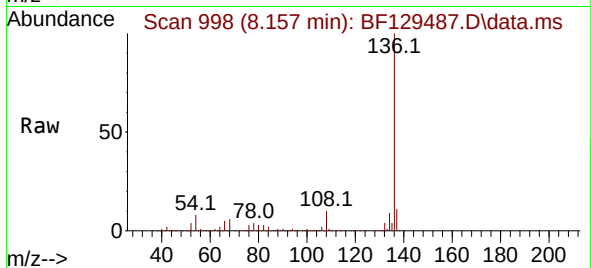




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

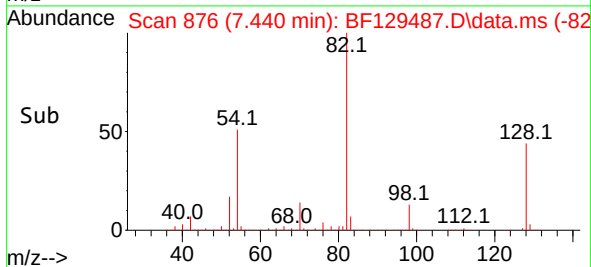
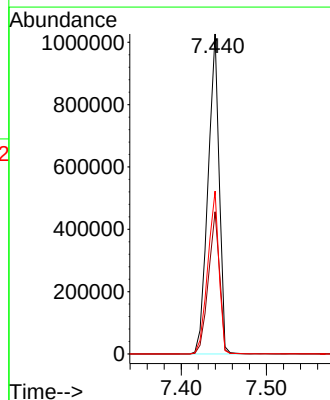
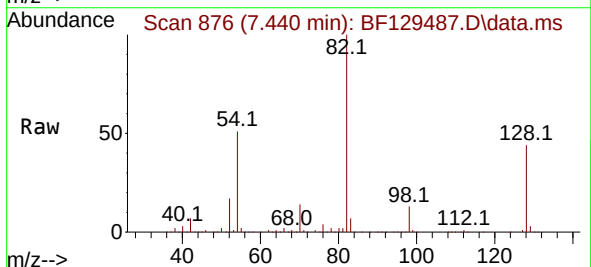
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

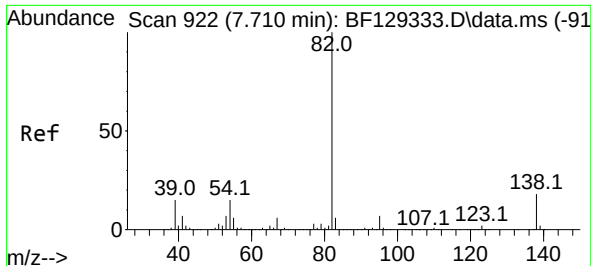
Tgt Ion:136 Resp: 686258
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 7.5 11.3
68 5.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 74.680 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion: 82 Resp: 938836
Ion Ratio Lower Upper
82 100
128 44.5 34.0 51.0
54 50.9 46.9 70.3

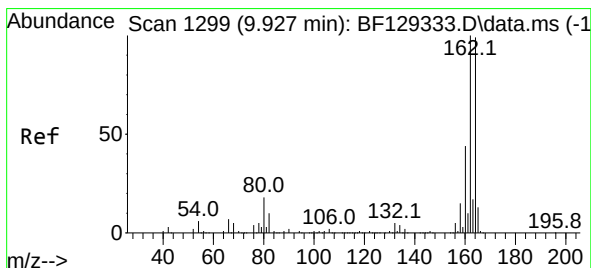
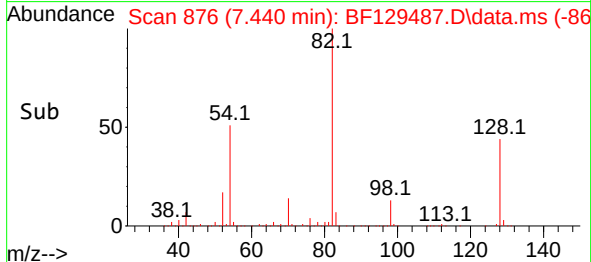
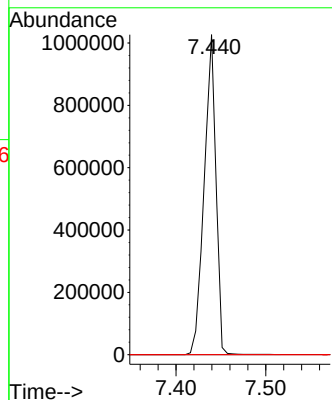
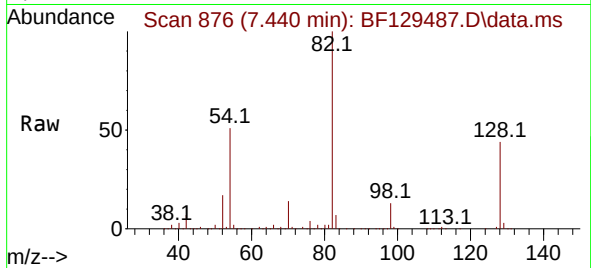




#25
Isophorone
Concen: 41.662 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

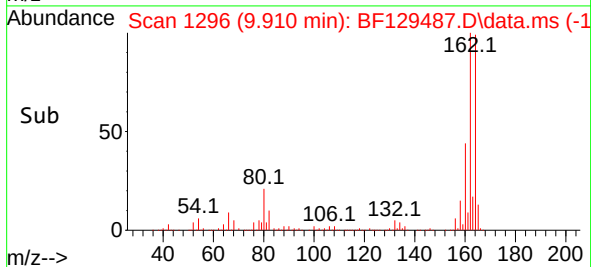
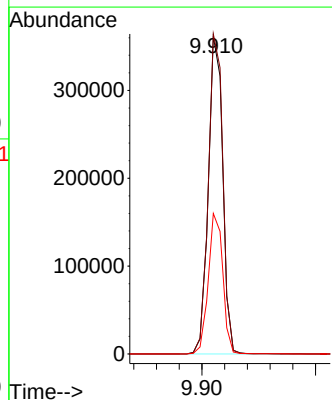
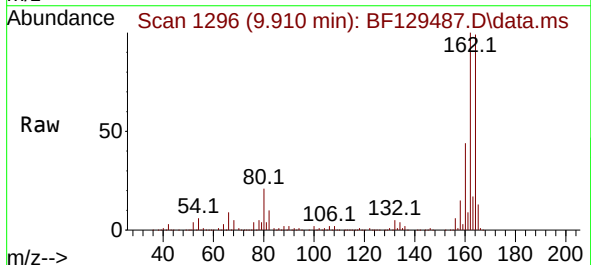
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

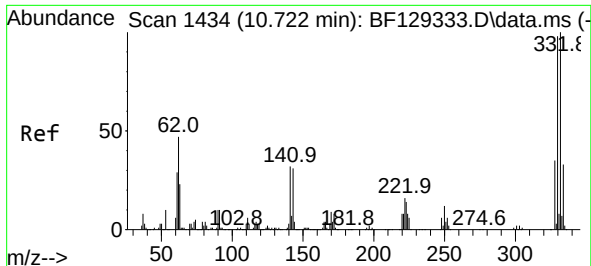
Tgt Ion: 82 Resp: 938829
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion: 164 Resp: 317872
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 44.3 34.2 51.4

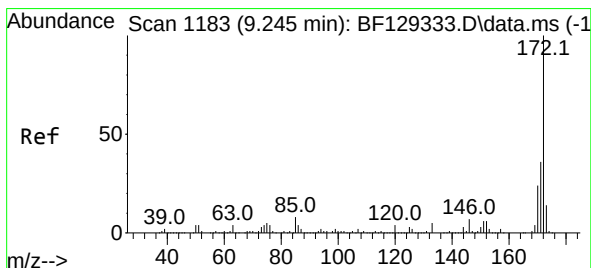
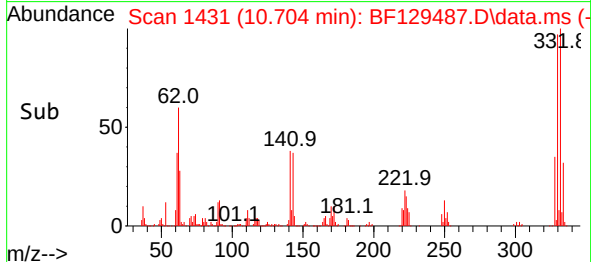
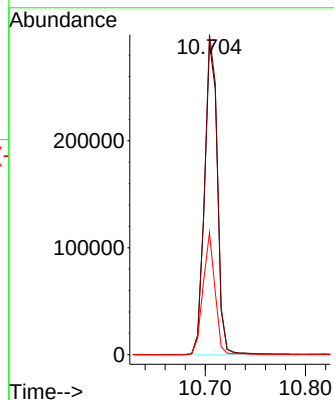
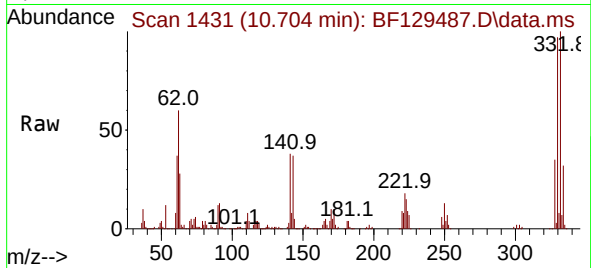




#42
2,4,6-Tribromophenol
Concen: 85.735 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

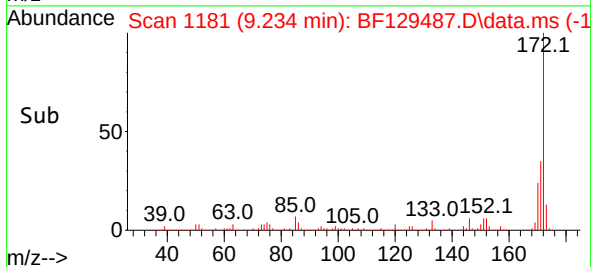
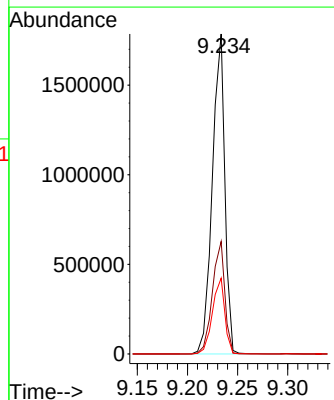
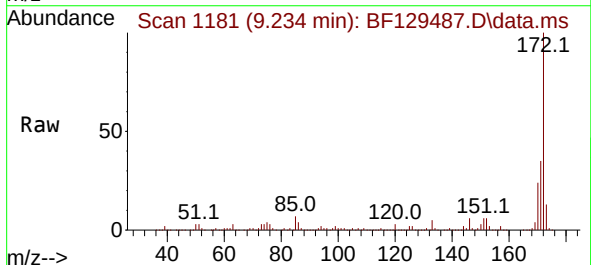
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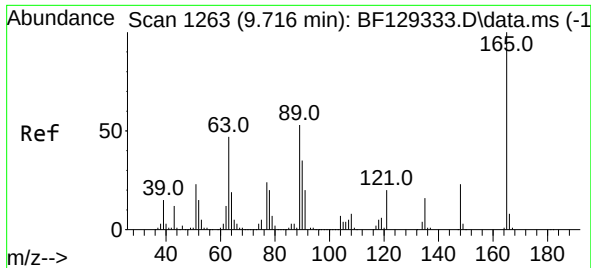
Tgt Ion:330 Resp: 262015
Ion Ratio Lower Upper
330 100
332 102.5 76.8 115.2
141 36.6 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 75.237 ng
RT: 9.234 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:172 Resp: 1546003
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.7 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.424 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF129487.D

Acq: 01 Aug 2022 22:34

Instrument :

BNA_F

ClientSampleId :

MHB-UPPER

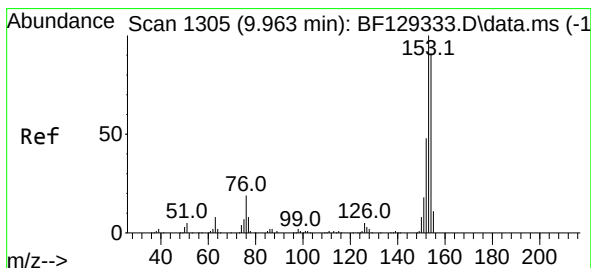
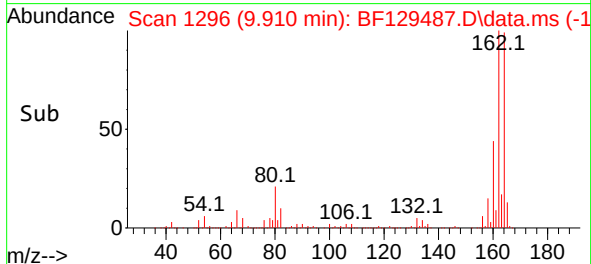
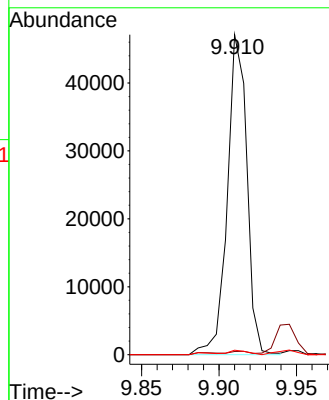
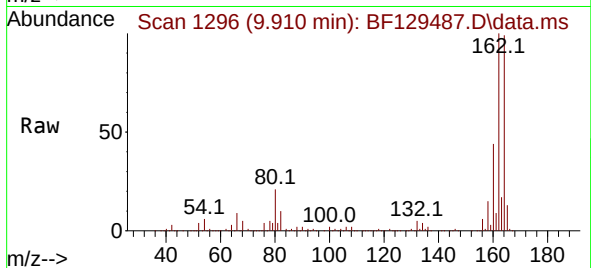
Tgt Ion:165 Resp: 41376

Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.4 43.6 65.4#



#52

Acenaphthene

Concen: 2.306 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF129487.D

Acq: 01 Aug 2022 22:34

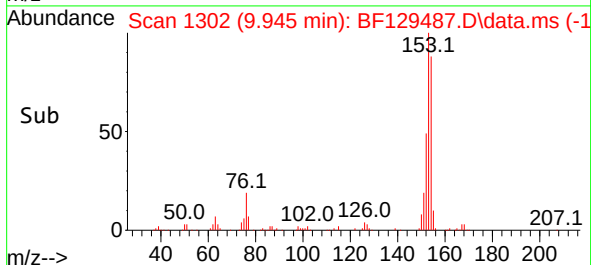
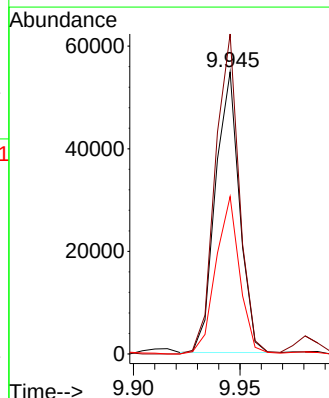
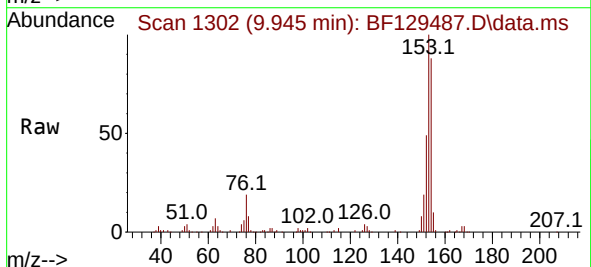
Tgt Ion:154 Resp: 42924

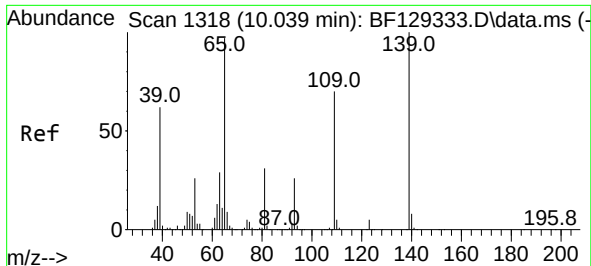
Ion Ratio Lower Upper

154 100

153 113.4 89.6 134.4

152 55.8 42.4 63.6

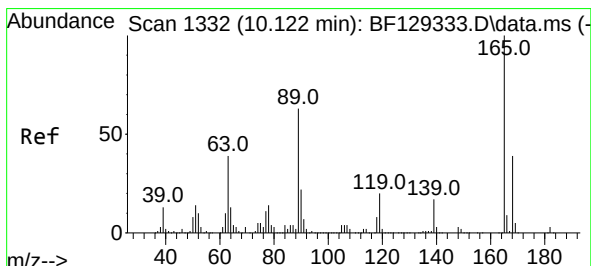
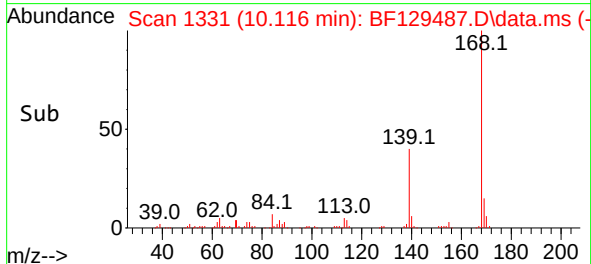
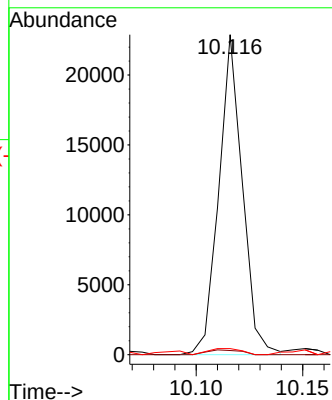
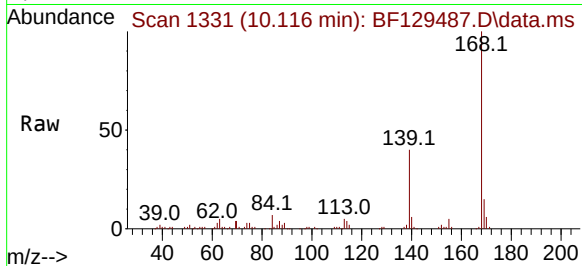




#56
4-Nitrophenol
Concen: 4.108 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

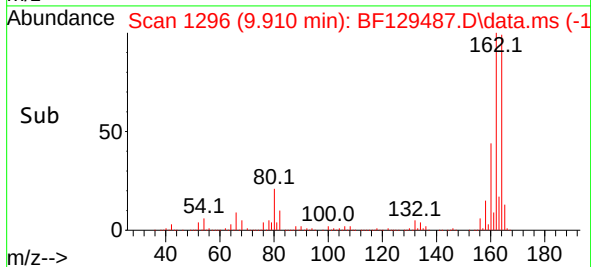
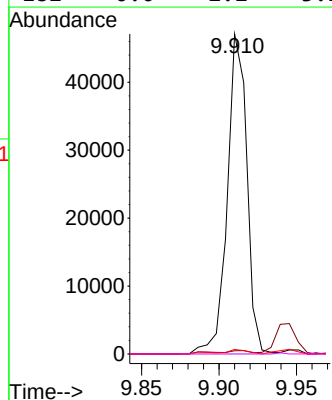
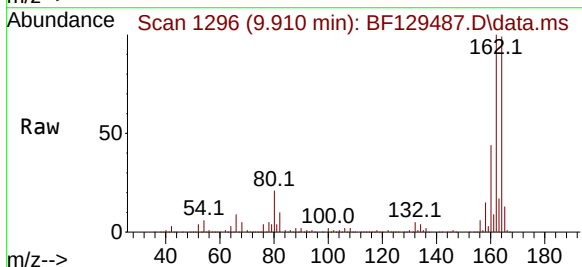
Instrument :
BNA_F
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MHB-UPPER

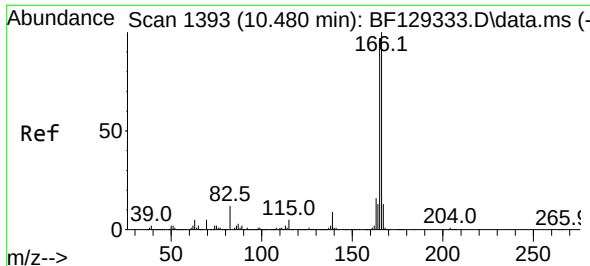
Tgt Ion:139 Resp: 17575
Ion Ratio Lower Upper
139 100
109 1.3 50.7 90.7#
65 1.9 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 6.449 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.200 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:165 Resp: 41376
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#

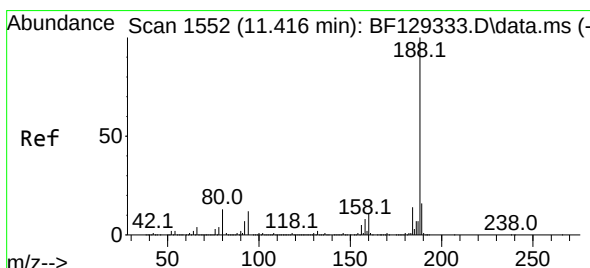
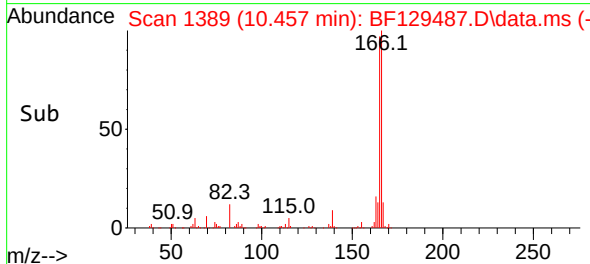
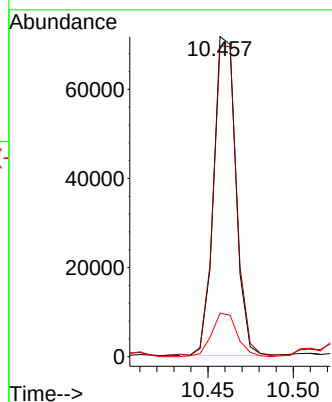
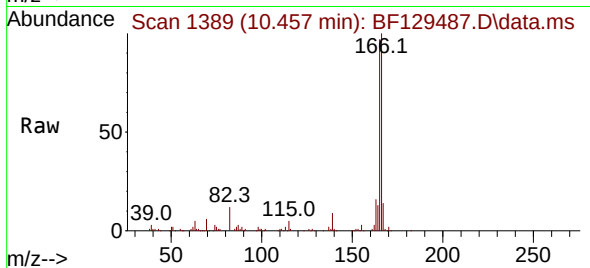




#58
Fluorene
Concen: 3.156 ng
RT: 10.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

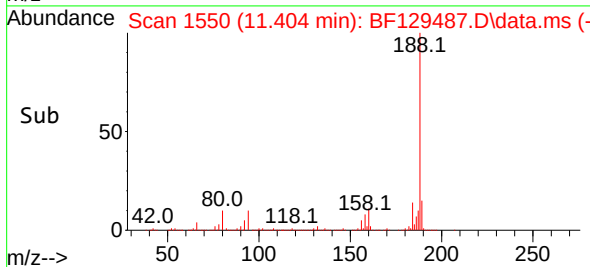
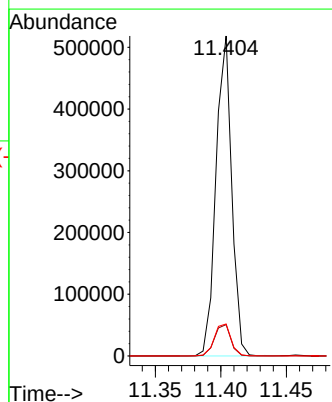
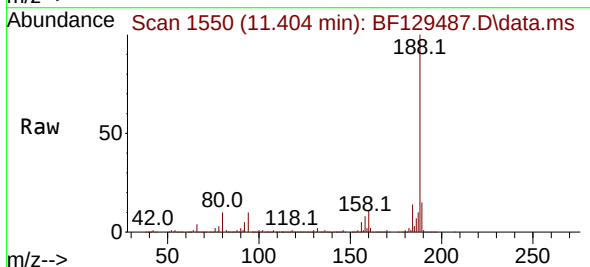
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

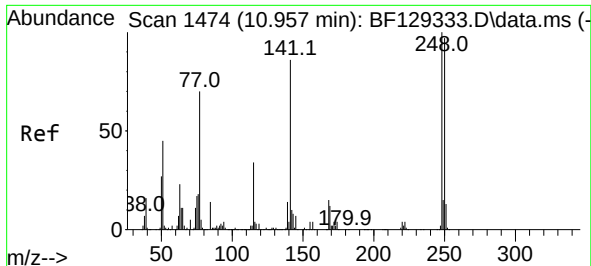
Tgt Ion:166 Resp: 64787
Ion Ratio Lower Upper
166 100
165 97.2 78.1 117.1
167 13.6 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:188 Resp: 431468
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.0 7.6 11.4

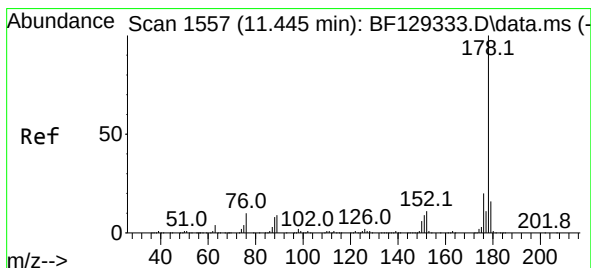
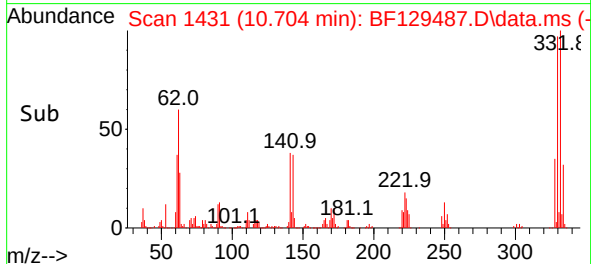
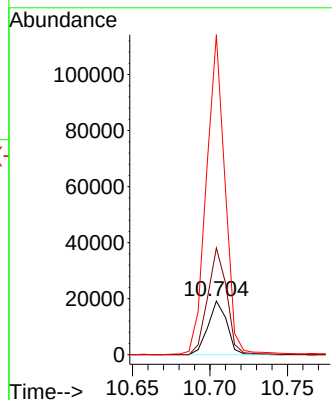
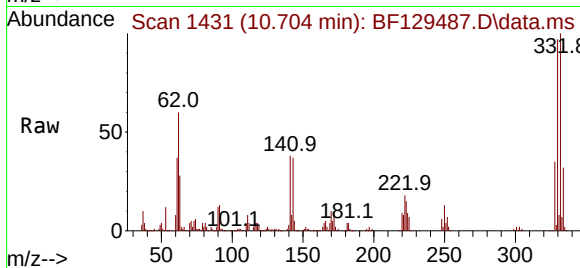




#67
4-Bromophenyl-phenylether
Concen: 3.434 ng
RT: 10.704 min Scan# 1474
Delta R.T. -0.241 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

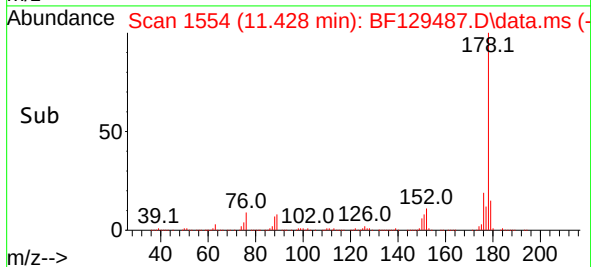
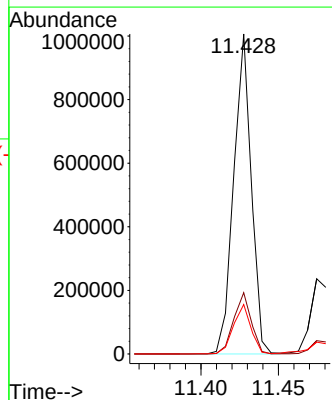
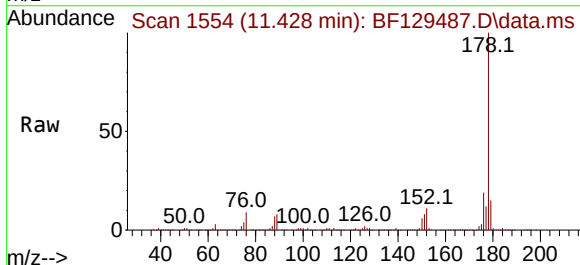
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

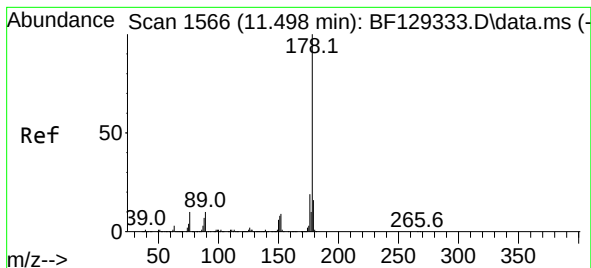
Tgt Ion:248 Resp: 16226
Ion Ratio Lower Upper
248 100
250 199.0 80.6 120.8#
141 596.7 58.9 88.3#



#71
Phenanthrene
Concen: 33.646 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:178 Resp: 792447
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.5 12.6 19.0





#72

Anthracene

Concen: 8.867 ng

RT: 11.475 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF129487.D

Acq: 01 Aug 2022 22:34

Instrument :

BNA_F

ClientSampleId :

MHB-UPPER

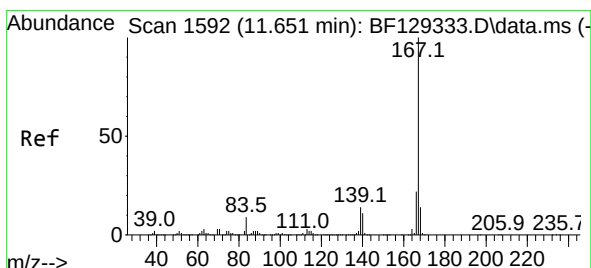
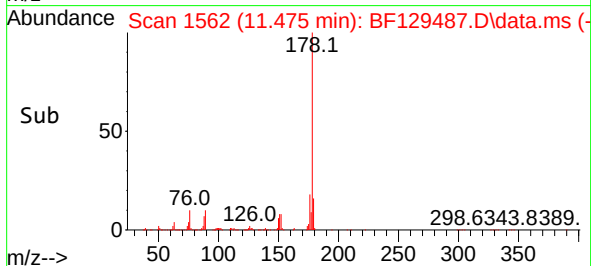
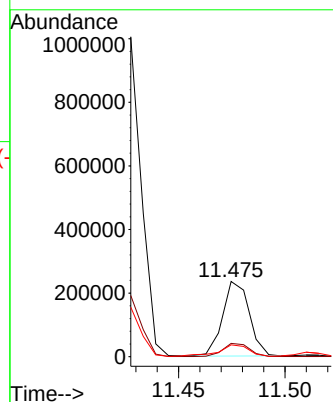
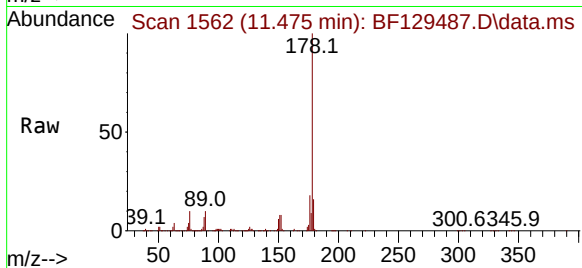
Tgt Ion:178 Resp: 205226

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

179 15.8 12.6 19.0



#73

Carbazole

Concen: 2.361 ng

RT: 11.633 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF129487.D

Acq: 01 Aug 2022 22:34

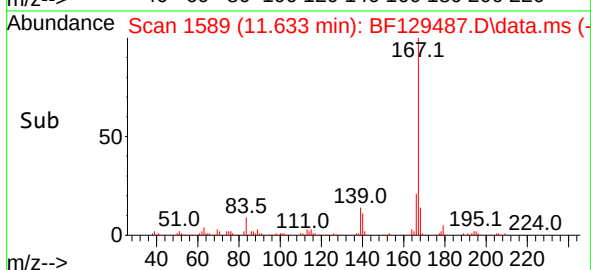
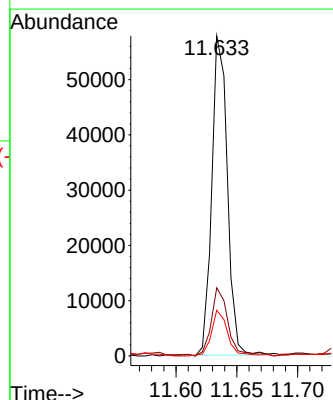
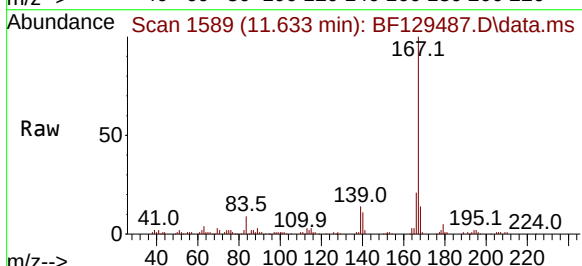
Tgt Ion:167 Resp: 51431

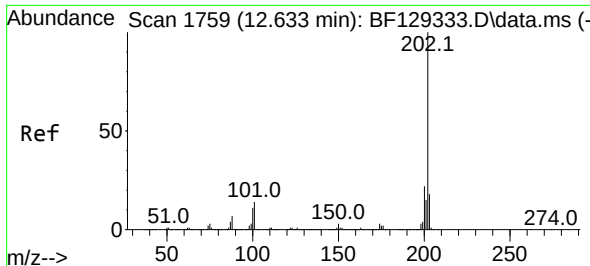
Ion Ratio Lower Upper

167 100

166 21.3 17.7 26.5

139 14.3 11.2 16.8

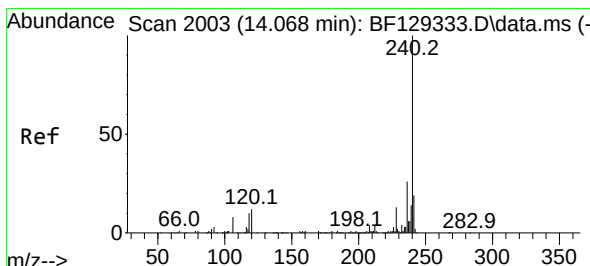
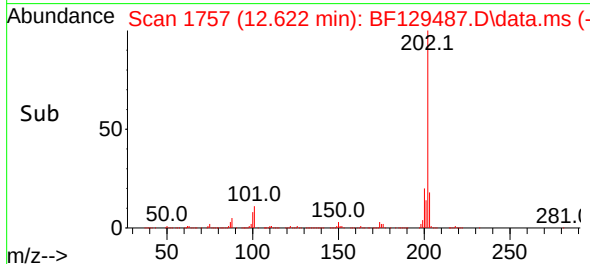
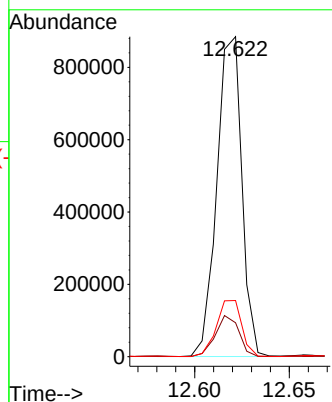
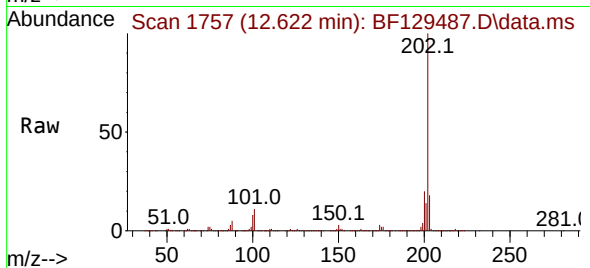




#75
Fluoranthene
Concen: 34.071 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

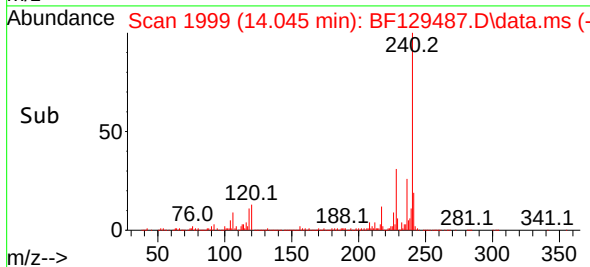
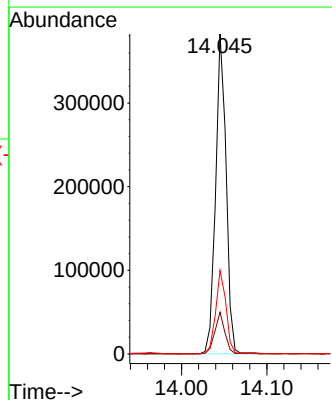
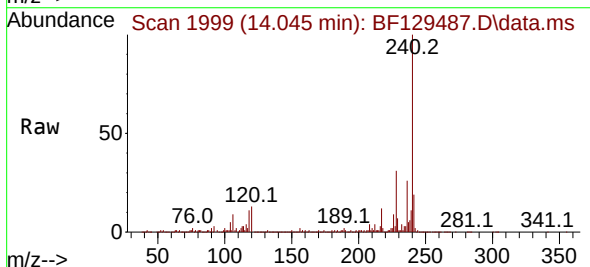
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

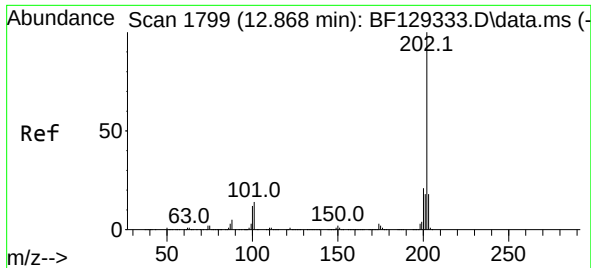
Tgt Ion:202 Resp: 813085
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:240 Resp: 328805
Ion Ratio Lower Upper
240 100
120 13.1 8.9 13.3
236 26.1 20.8 31.2

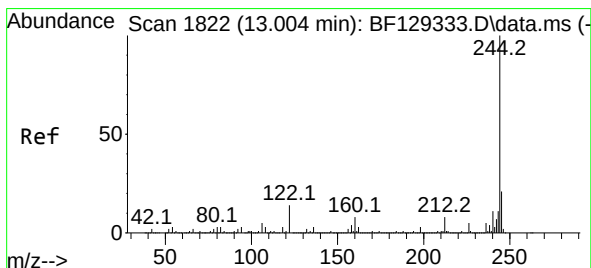
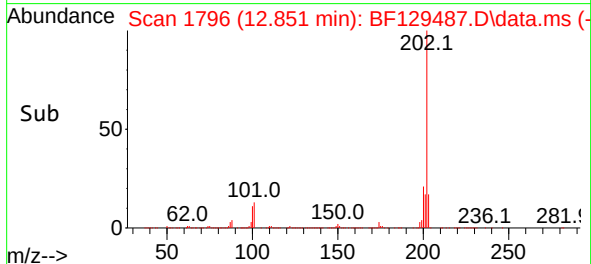
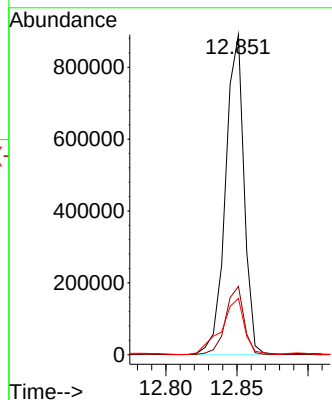
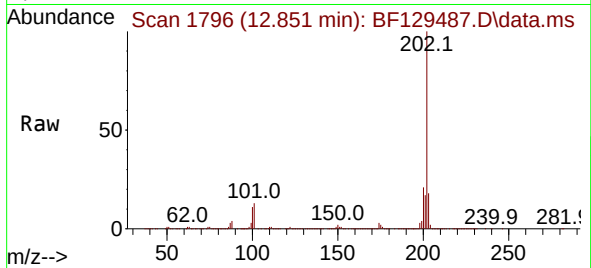




#78
Pyrene
Concen: 29.373 ng
RT: 12.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

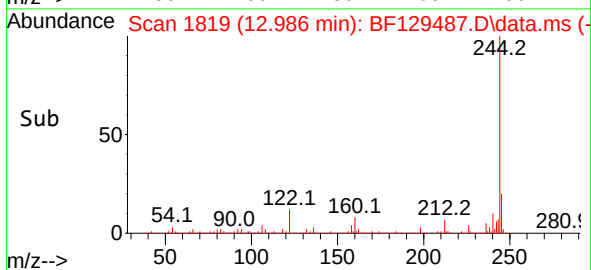
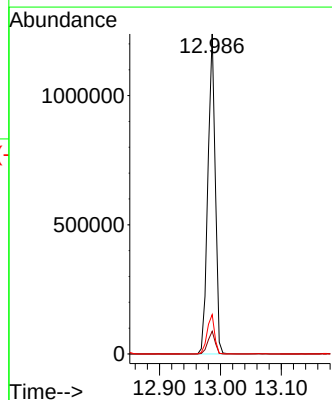
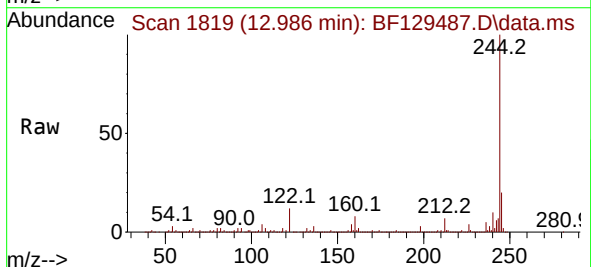
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

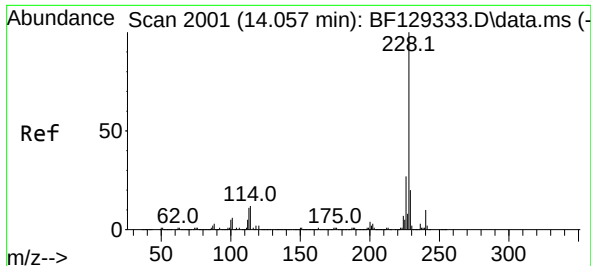
Tgt Ion:202 Resp: 807614
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.6 14.6 21.8



#79
Terphenyl-d14
Concen: 59.526 ng
RT: 12.986 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:244 Resp: 1037465
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 12.3 8.8 13.2

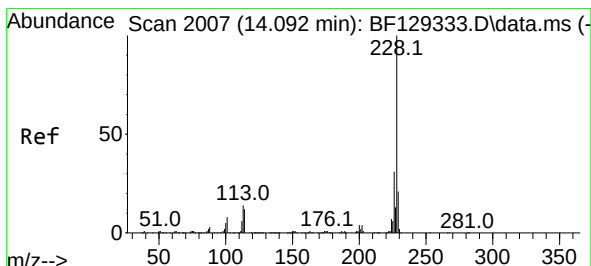
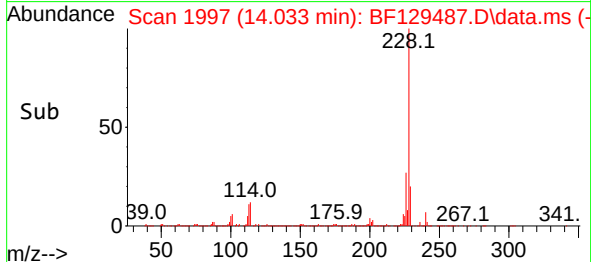
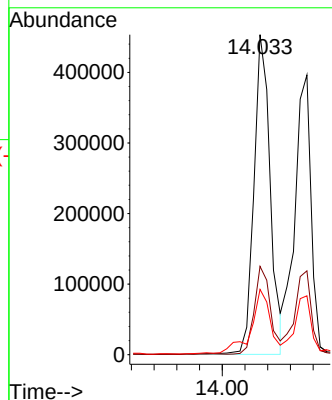
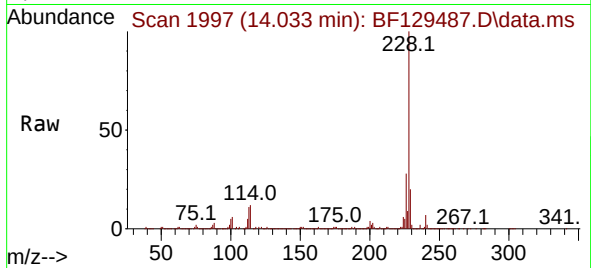




#81
Benzo(a)anthracene
Concen: 20.084 ng
RT: 14.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

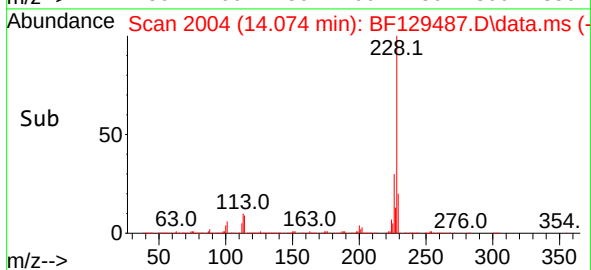
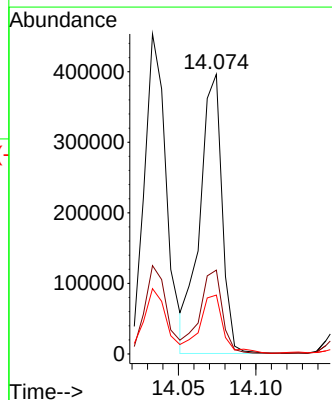
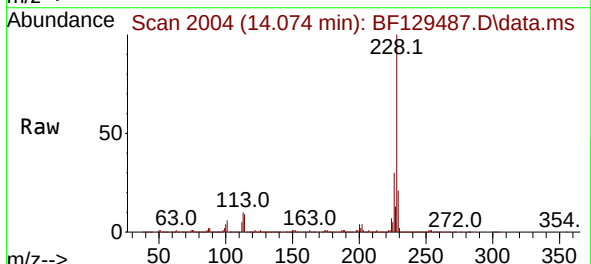
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

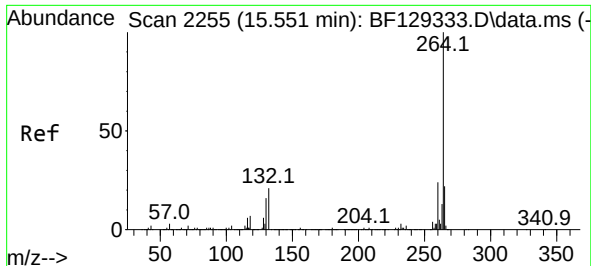
Tgt Ion:228 Resp: 451101
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.4 15.8 23.8



#83
Chrysene
Concen: 18.752 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:228 Resp: 396943
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.1 15.9 23.9

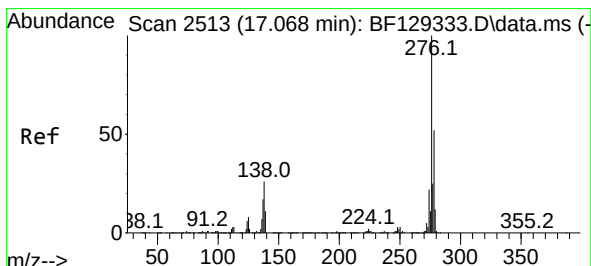
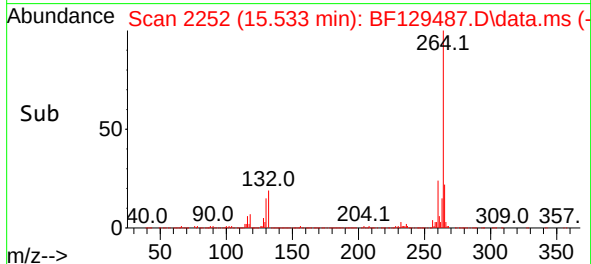
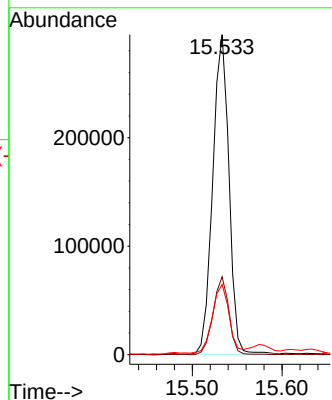
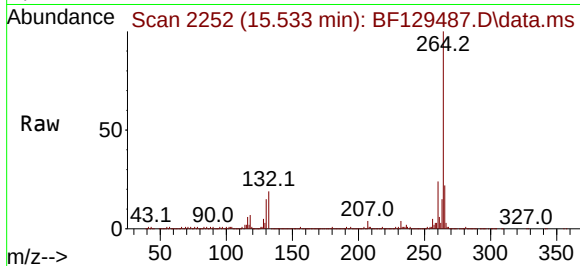




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

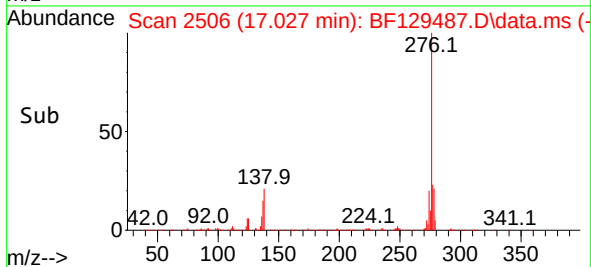
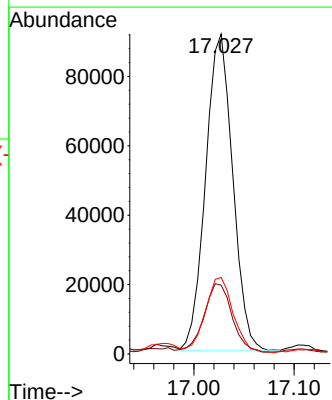
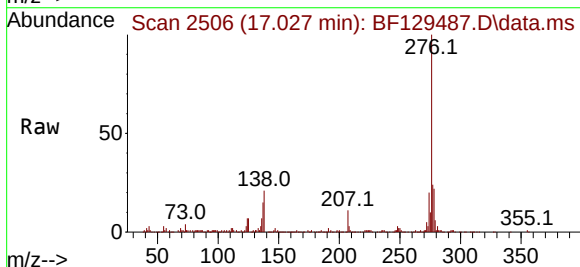
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

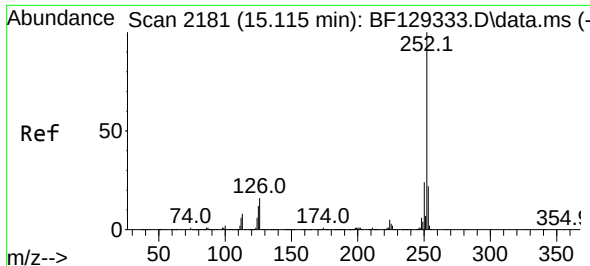
Tgt Ion:264 Resp: 369625
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 22.0 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.884 ng
RT: 17.027 min Scan# 2506
Delta R.T. -0.006 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:276 Resp: 171353
Ion Ratio Lower Upper
276 100
138 22.4 21.1 31.7
277 24.9 20.3 30.5

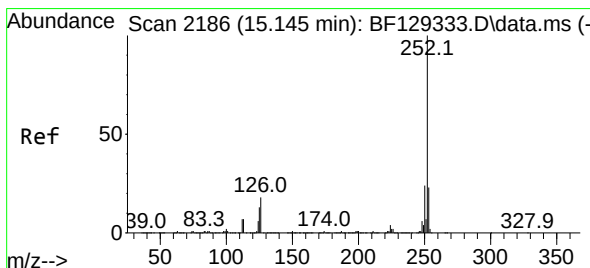
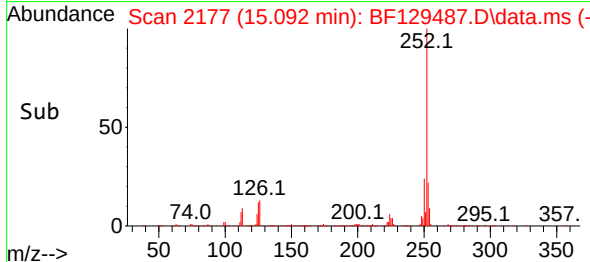
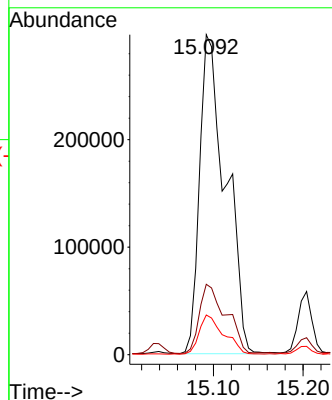
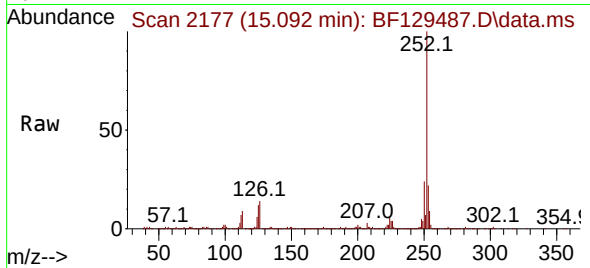




#88
Benzo(b)fluoranthene
Concen: 24.494 ng
RT: 15.092 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

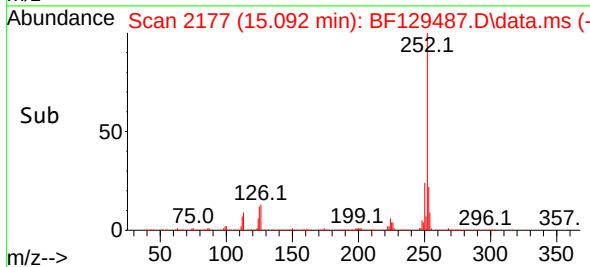
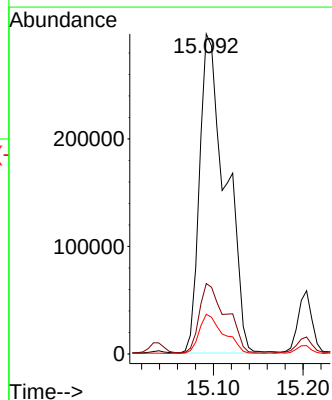
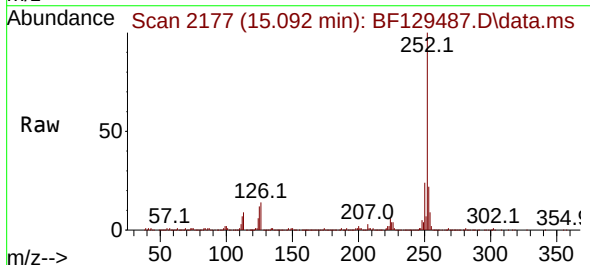
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

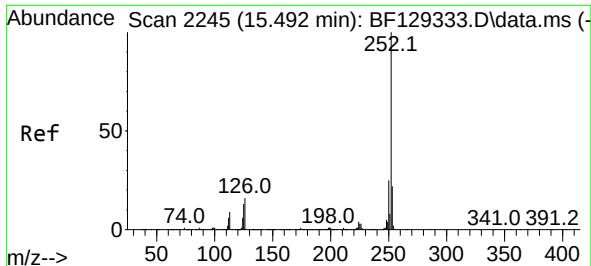
Tgt Ion:252 Resp: 600541
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 12.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 24.994 ng
RT: 15.092 min Scan# 2177
Delta R.T. -0.029 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:252 Resp: 600541
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 12.4 8.3 12.5

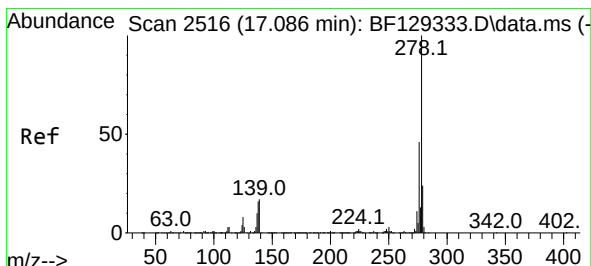
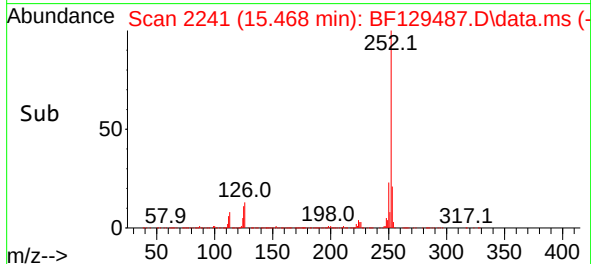
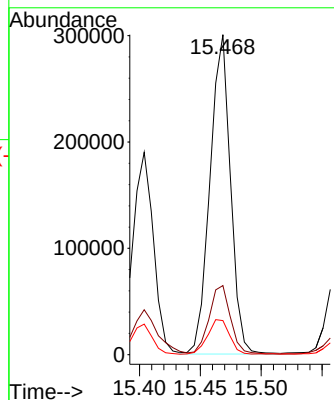
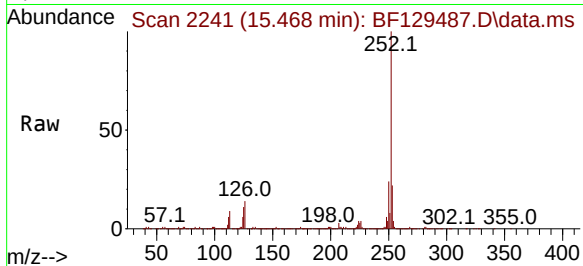




#90
Benzo(a)pyrene
Concen: 17.727 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

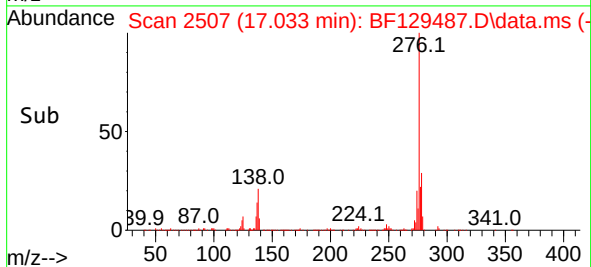
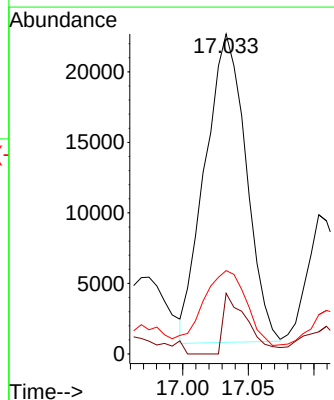
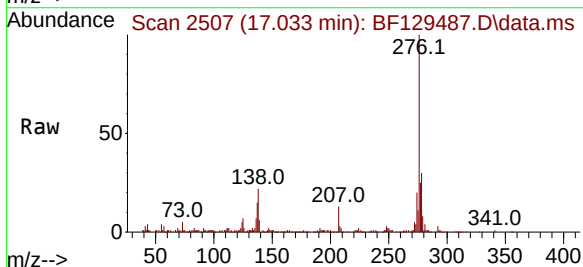
Instrument :
BNA_F
ClientSampleId :
MHB-UPPER

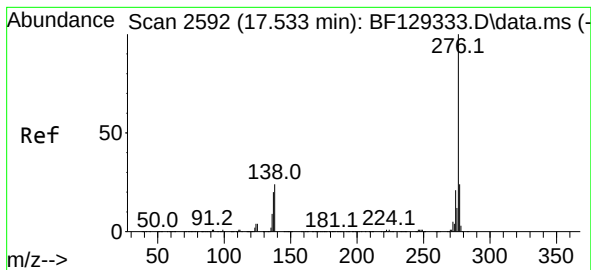
Tgt Ion:252 Resp: 352837
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 10.7 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 2.352 ng
RT: 17.033 min Scan# 2507
Delta R.T. -0.012 min
Lab File: BF129487.D
Acq: 01 Aug 2022 22:34

Tgt Ion:278 Resp: 47653
Ion Ratio Lower Upper
278 100
139 18.9 12.8 19.2
279 26.0 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 7.643 ng

RT: 17.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129487.D

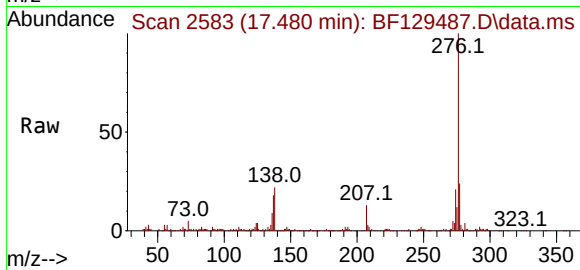
Acq: 01 Aug 2022 22:34

Instrument :

BNA_F

ClientSampleId :

MHB-UPPER



Tgt Ion:276 Resp: 158229

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 22.4 18.0 27.0

