

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110722\
 Data File : BF131055.D
 Acq On : 07 Nov 2022 21:44
 Operator : CG\JU
 Sample : N5453-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-6-110322

Quant Time: Nov 08 02:18:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

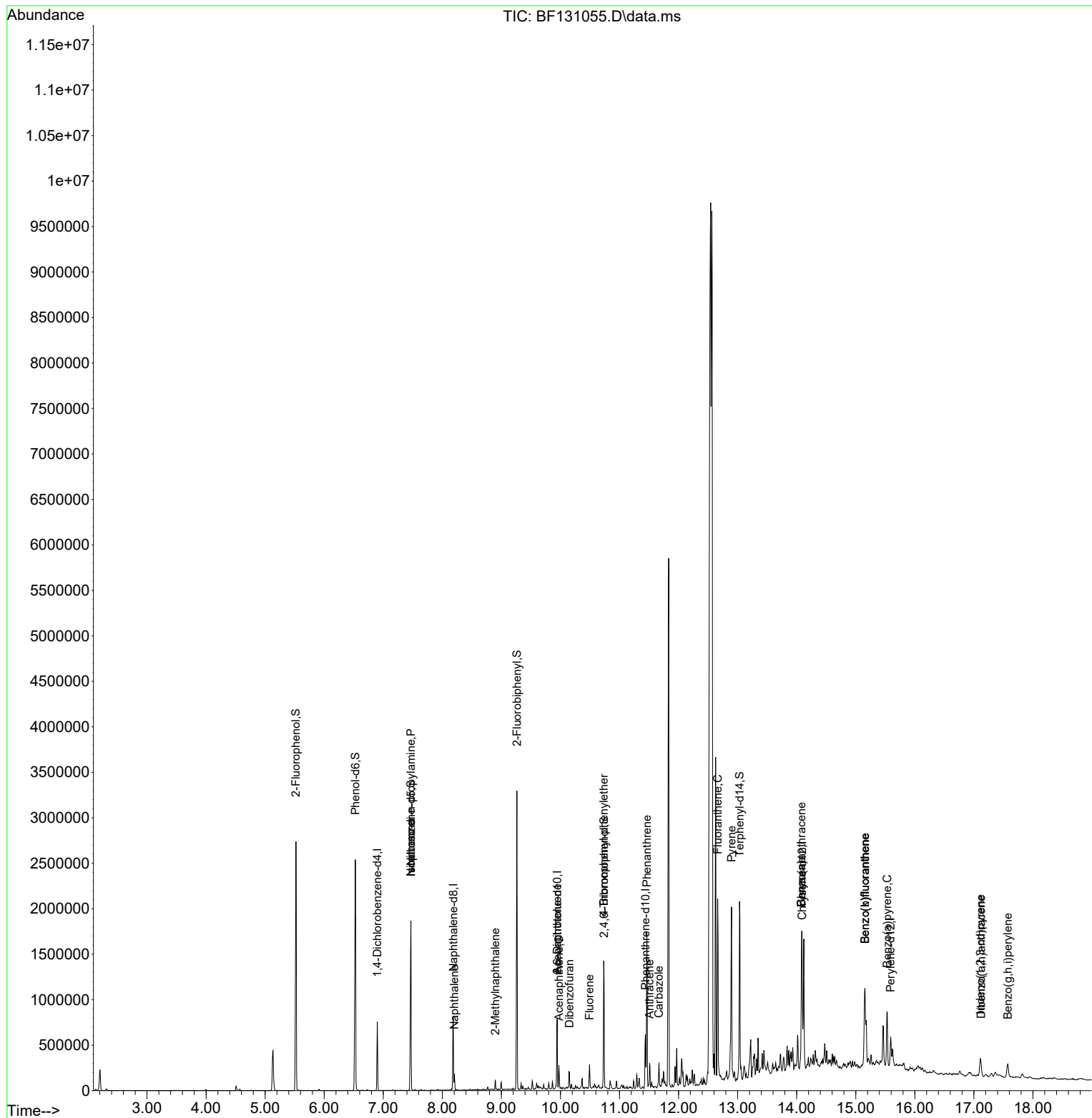
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92454	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	337030	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	143932	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	209148	20.000	ng	0.00
76) Chrysene-d12	14.092	240	186031	20.000	ng	0.00
86) Perylene-d12	15.592	264	138044	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	717157	125.080	ng	0.00
7) Phenol-d6	6.528	99	909896	130.019	ng	0.00
23) Nitrobenzene-d5	7.469	82	575720	79.181	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	149225	94.169	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	898406	85.066	ng	0.00
79) Terphenyl-d14	13.033	244	679418	58.554	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.469	70	79446	15.930	ng	# 73
25) Isophorone	7.469	82	573433	46.012	ng	# 66
31) Naphthalene	8.204	128	62395	3.387	ng	98
37) 2-Methylnaphthalene	8.898	142	25018	2.135	ng	97
51) 2,6-Dinitrotoluene	9.945	165	19691	8.321	ng	# 18
52) Acenaphthene	9.975	154	46034	5.383	ng	98
55) Dibenzofuran	10.151	168	61644	2.223	ng	98
58) Fluorene	10.492	166	59363	5.740	ng	96
67) 4-Bromophenyl-phenylether	10.733	248	9869	3.756	ng	# 1
71) Phenanthrene	11.463	178	579616	49.201	ng	99
72) Anthracene	11.510	178	99889	8.638	ng	99
73) Carbazole	11.669	167	87319	8.826	ng	99
75) Fluoranthene	12.663	202	799532	63.939	ng	98
78) Pyrene	12.898	202	773488	45.654	ng	99
81) Benzo(a)anthracene	14.080	228	529745	39.218	ng	98
83) Chrysene	14.080	228	529745	41.297	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	128973	13.697	ng	96
88) Benzo(b)fluoranthene	15.157	252	697234	69.504	ng	98
89) Benzo(k)fluoranthene	15.157	252	697234	71.337	ng	97
90) Benzo(a)pyrene	15.533	252	301760	37.836	ng	97
91) Dibenzo(a,h)anthracene	17.121	278	34270	6.668	ng	# 86
92) Benzo(g,h,i)perylene	17.574	276	119801	14.899	ng	97

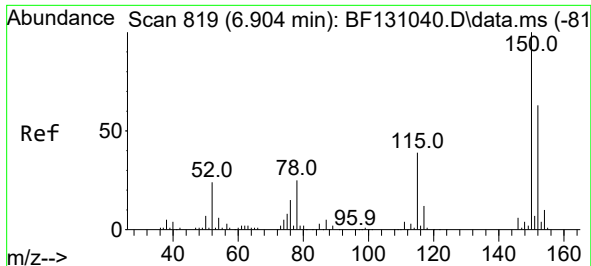
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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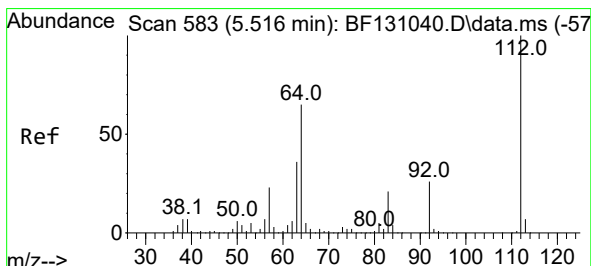
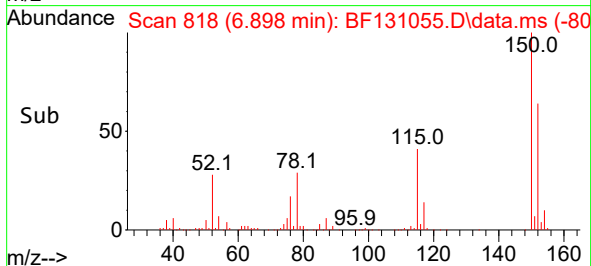
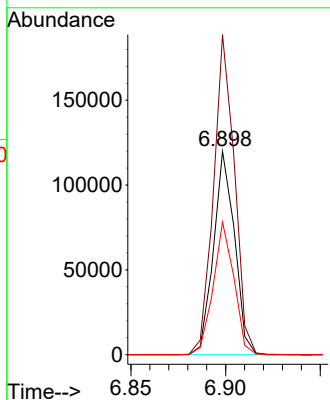
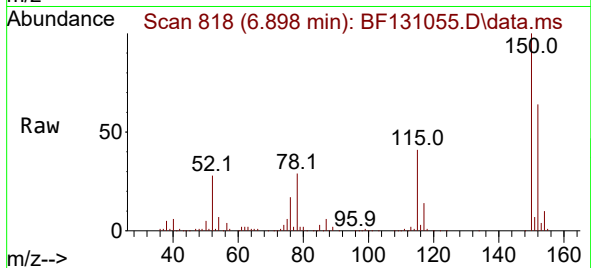




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

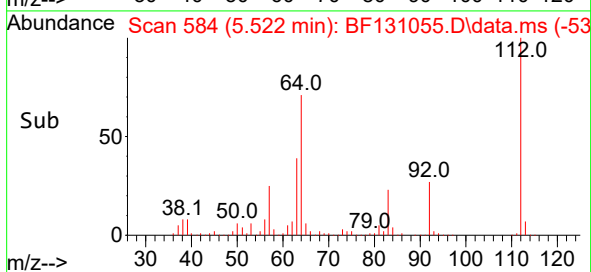
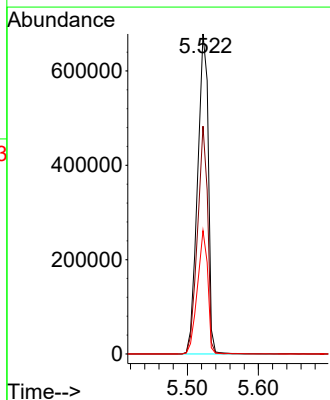
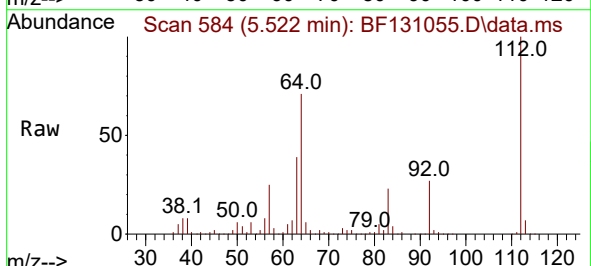
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

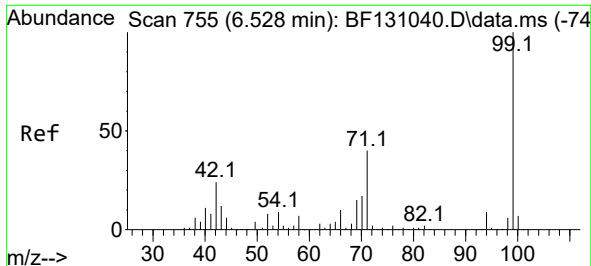
Tgt Ion:152 Resp: 92454
Ion Ratio Lower Upper
152 100
150 157.2 126.6 189.8
115 65.2 49.1 73.7



#5
2-Fluorophenol
Concen: 125.080 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:112 Resp: 717157
Ion Ratio Lower Upper
112 100
64 71.2 52.2 78.4
63 38.5 29.0 43.4

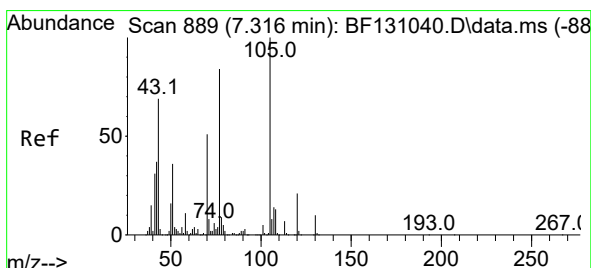
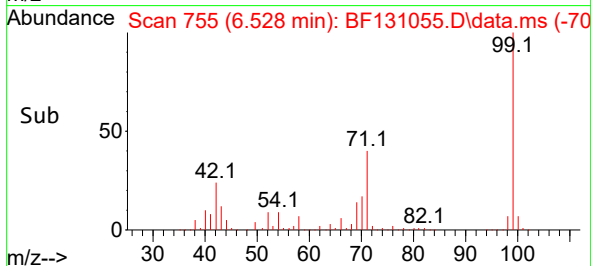
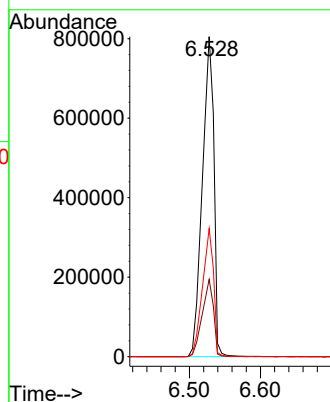
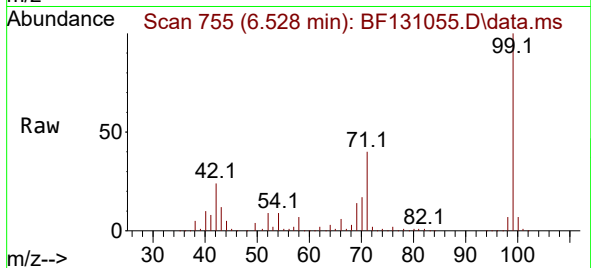




#7
Phenol-d6
Concen: 130.019 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

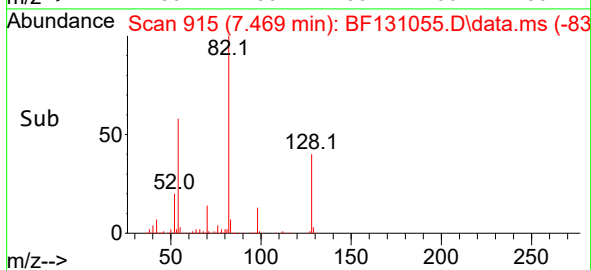
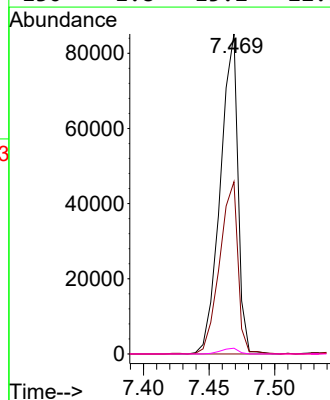
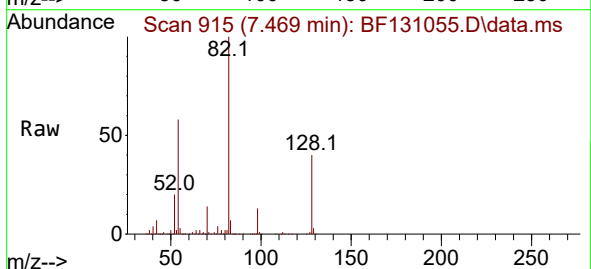
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

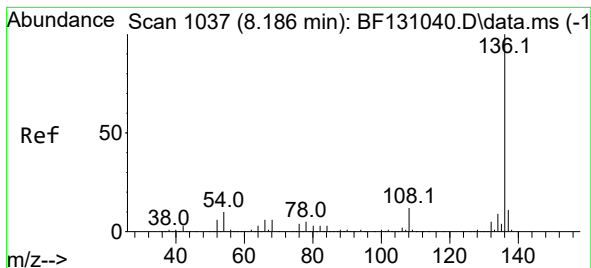
Tgt Ion: 99 Resp: 909896
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.0
71 40.1 31.8 47.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.930 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.153 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion: 70 Resp: 79446
Ion Ratio Lower Upper
70 100
42 53.8 59.0 88.4#
101 0.0 8.0 12.0#
130 1.8 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.186 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

Tgt Ion:136 Resp: 337030

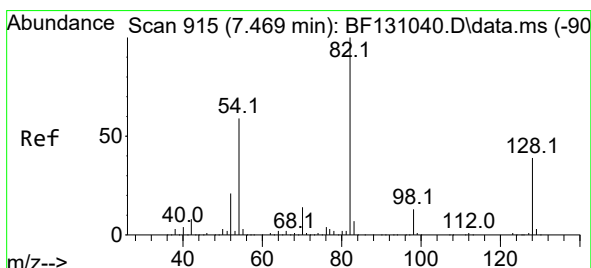
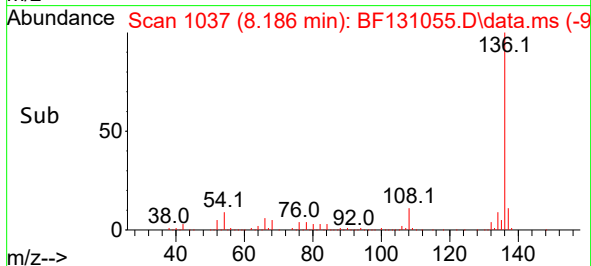
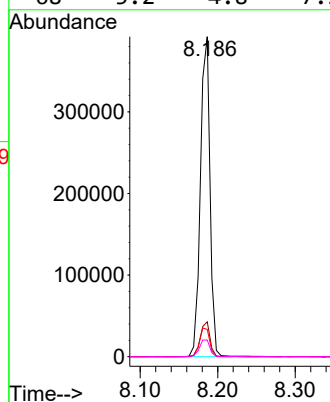
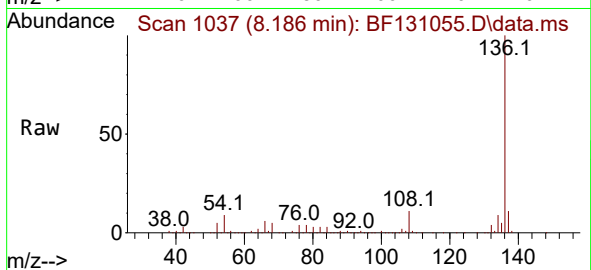
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.6 8.2 12.2

68 5.2 4.8 7.2



#23

Nitrobenzene-d5

Concen: 79.181 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.000 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

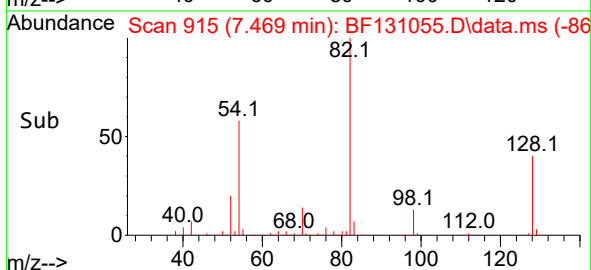
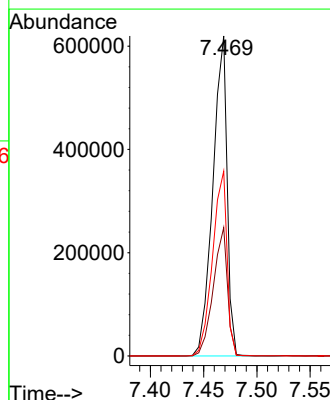
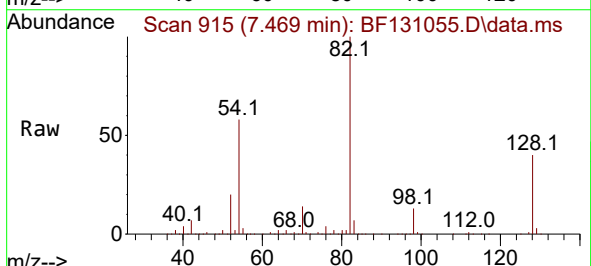
Tgt Ion: 82 Resp: 575720

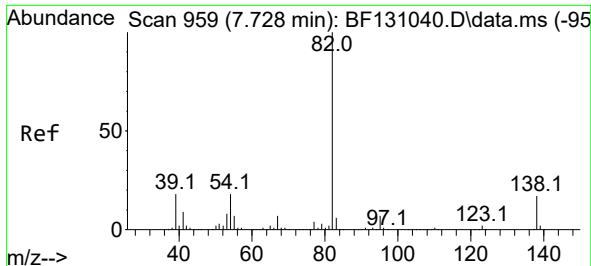
Ion Ratio Lower Upper

82 100

128 40.1 31.3 46.9

54 57.8 47.2 70.8

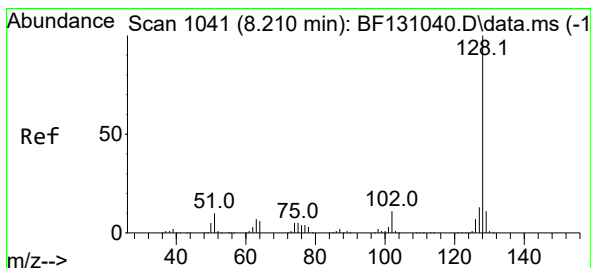
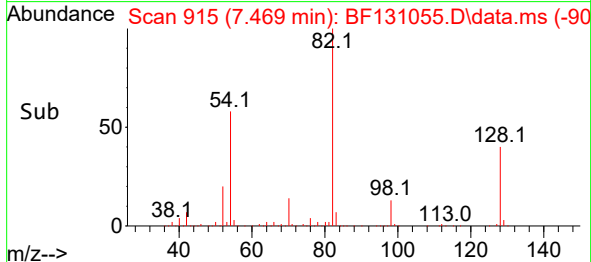
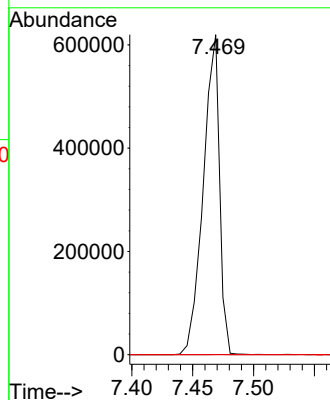
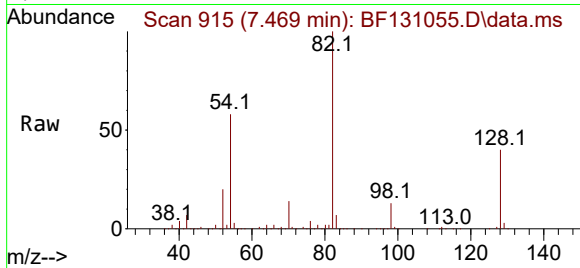




#25
Isophorone
Concen: 46.012 ng
RT: 7.469 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

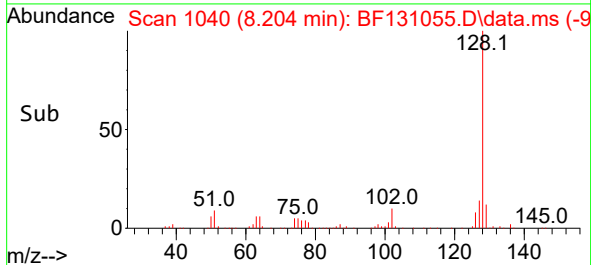
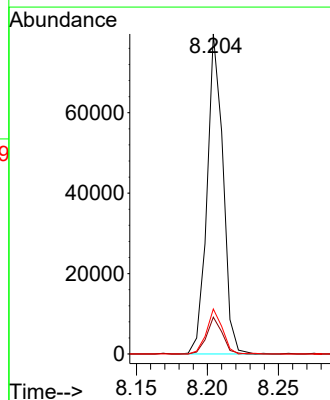
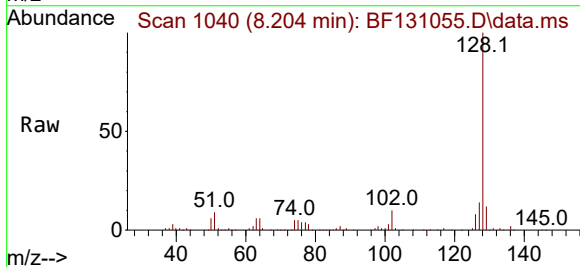
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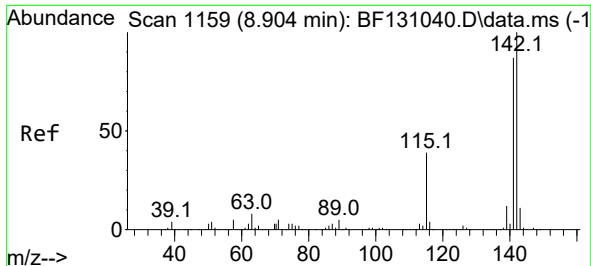
Tgt Ion: 82 Resp: 573433
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#



#31
Naphthalene
Concen: 3.387 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:128 Resp: 62395
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 14.1 10.5 15.7

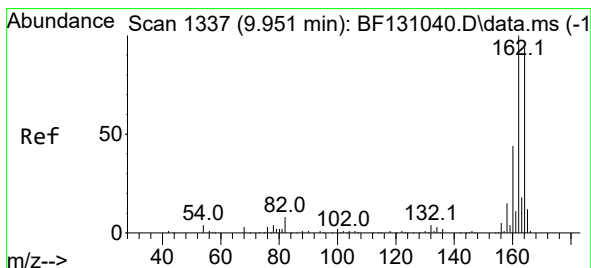
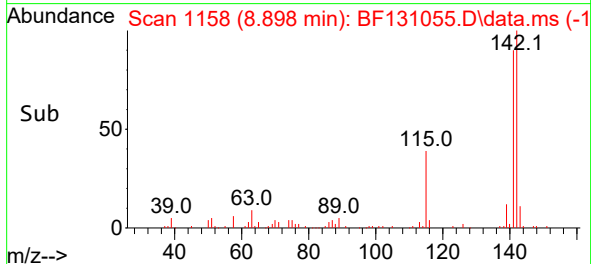
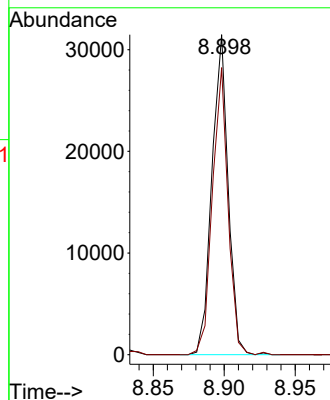
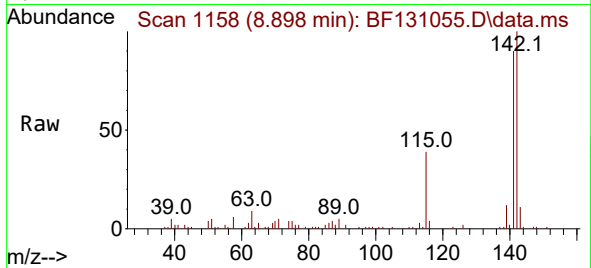




#37
2-Methylnaphthalene
Concen: 2.135 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

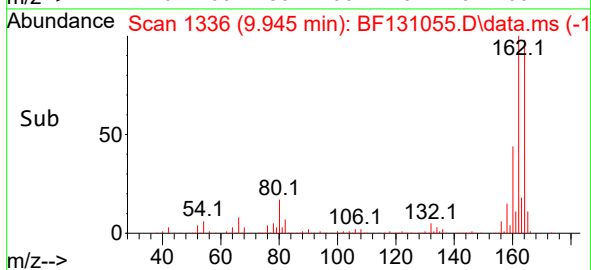
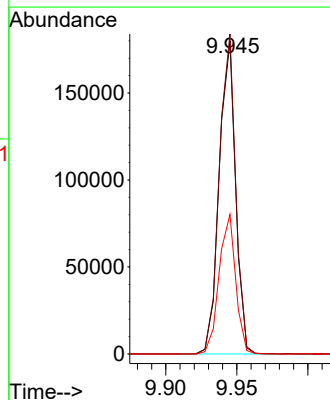
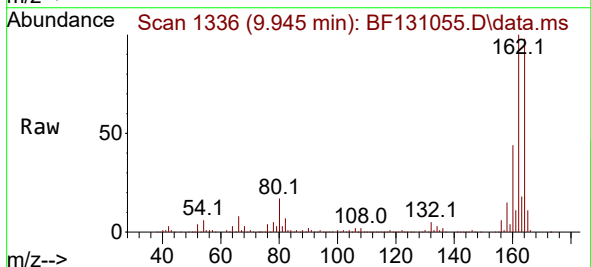
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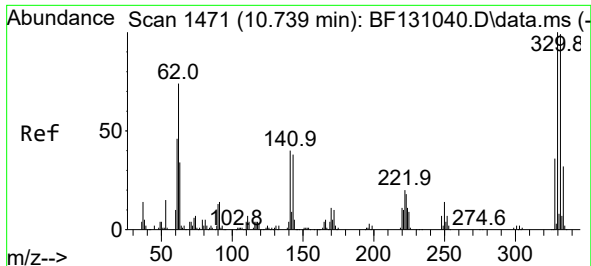
Tgt Ion:142 Resp: 25018
Ion Ratio Lower Upper
142 100
141 89.7 69.8 104.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:164 Resp: 143932
Ion Ratio Lower Upper
164 100
162 102.3 85.0 127.6
160 44.6 37.0 55.6

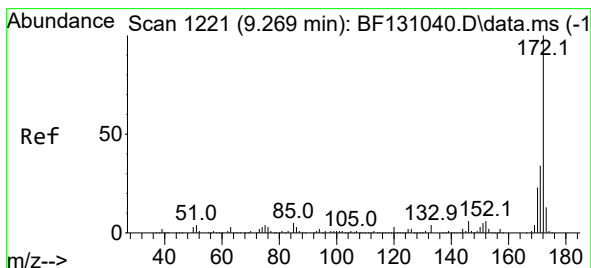
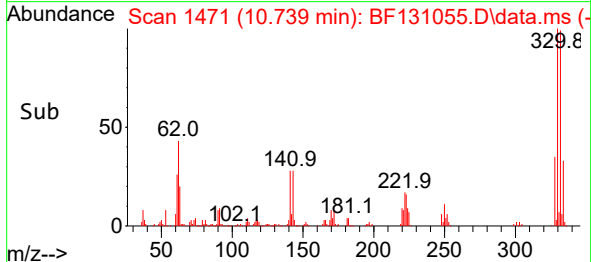
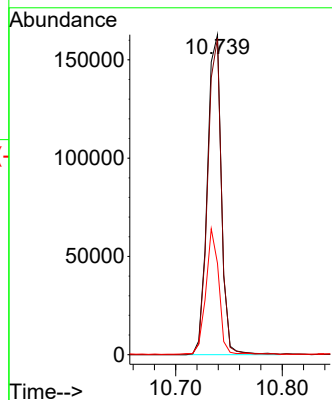
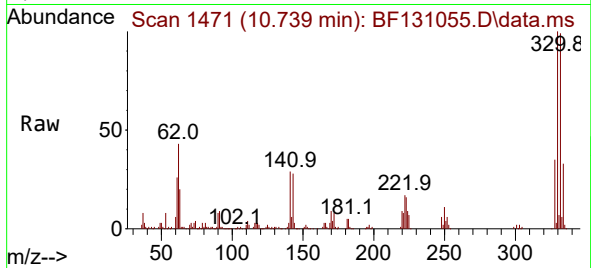




#42
2,4,6-Tribromophenol
Concen: 94.169 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

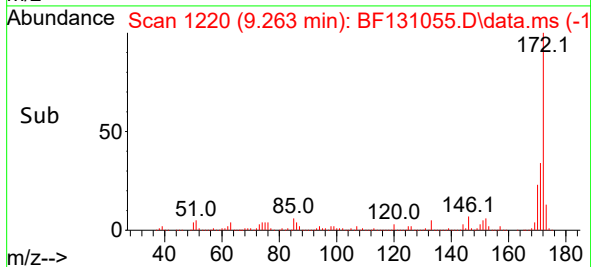
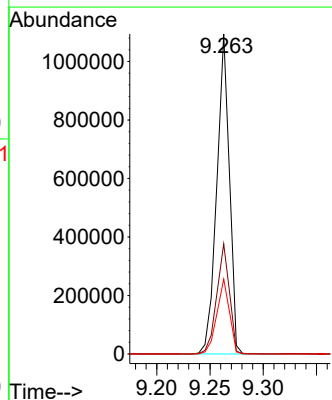
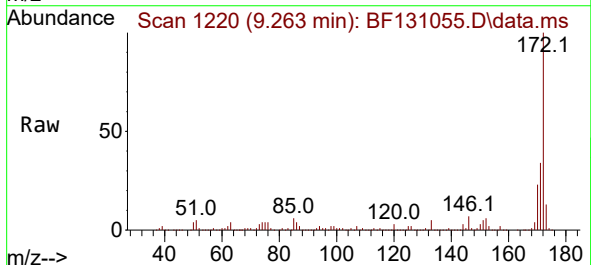
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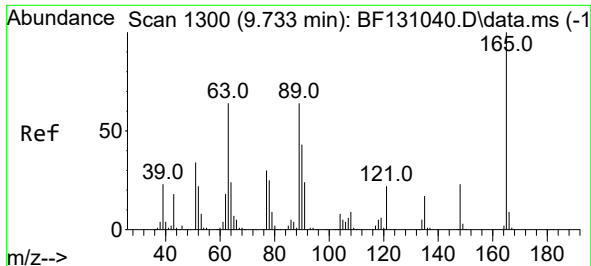
Tgt Ion:330 Resp: 149225
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 36.1 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 85.066 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:172 Resp: 898406
Ion Ratio Lower Upper
172 100
171 34.4 27.7 41.5
170 23.4 18.4 27.6

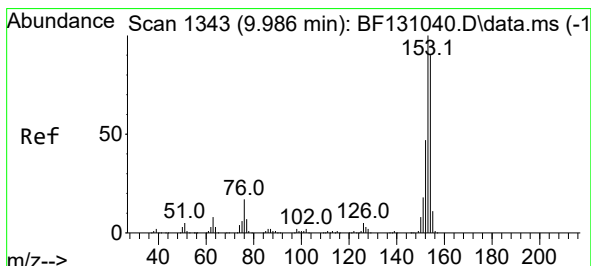
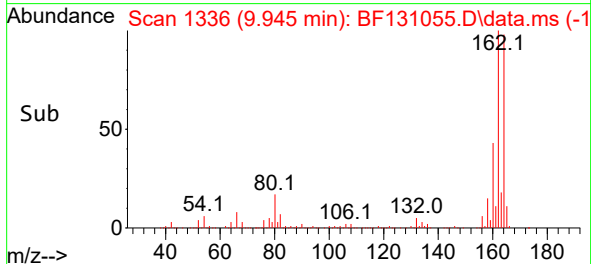
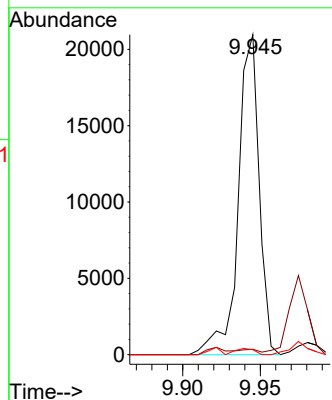
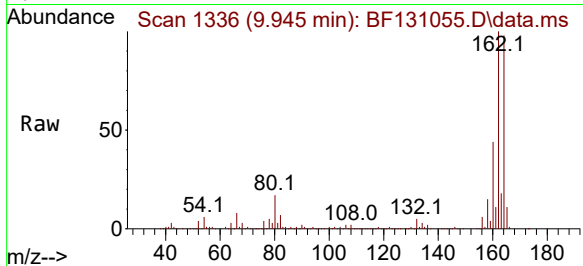




#51
2,6-Dinitrotoluene
Concen: 8.321 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.212 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

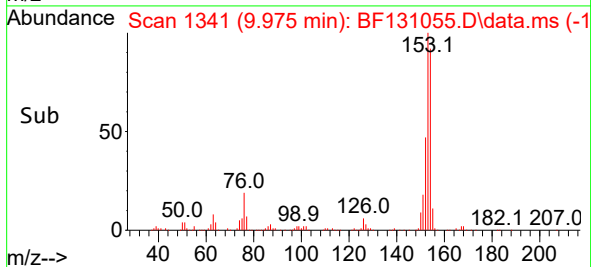
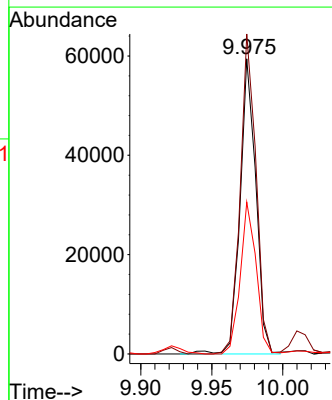
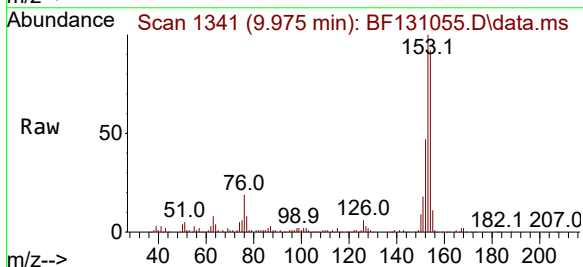
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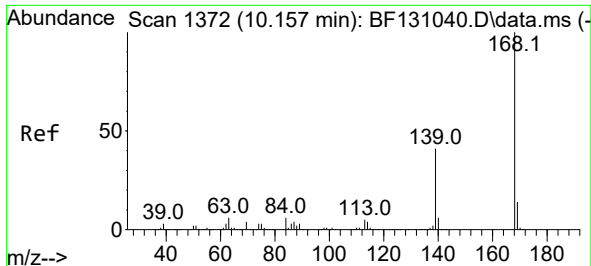
Tgt Ion:165 Resp: 19691
Ion Ratio Lower Upper
165 100
63 1.7 57.2 85.8#
89 1.6 51.4 77.2#



#52
Acenaphthene
Concen: 5.383 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.012 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:154 Resp: 46034
Ion Ratio Lower Upper
154 100
153 108.4 89.0 133.6
152 51.4 42.1 63.1

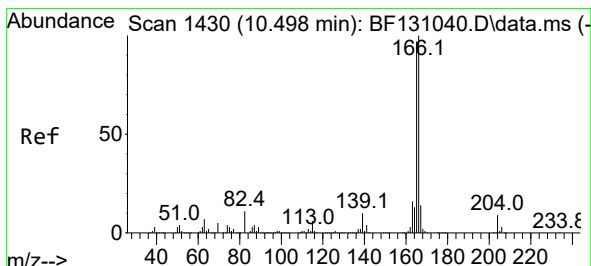
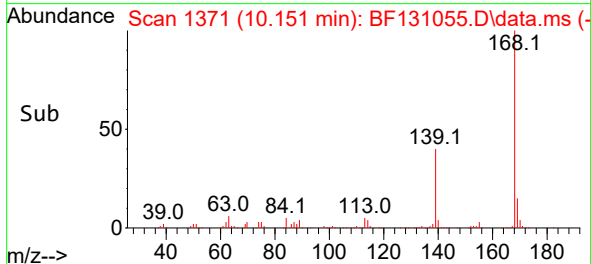
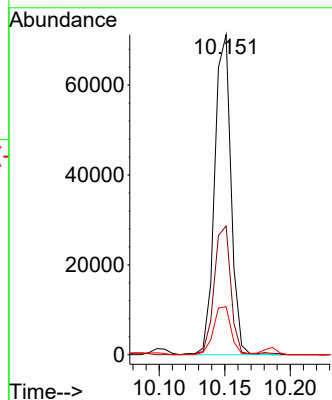
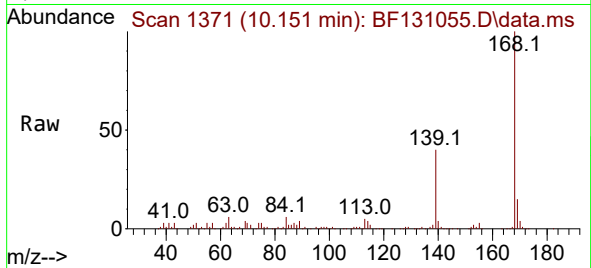




#55
Dibenzenofuran
Concen: 2.223 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

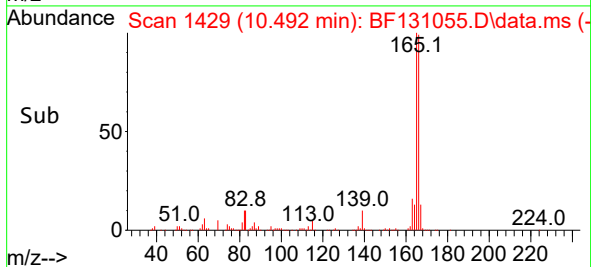
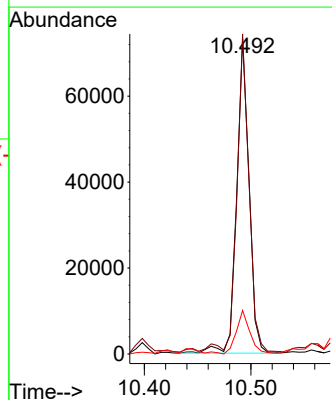
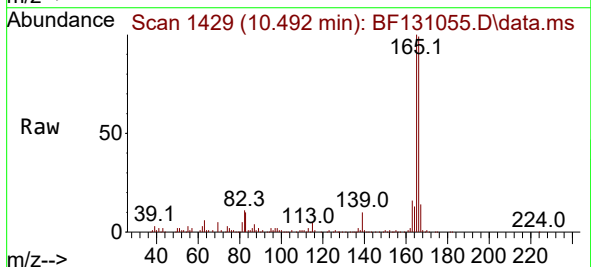
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

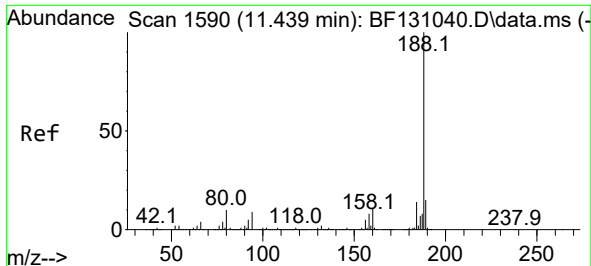
Tgt Ion:168 Resp: 61644
Ion Ratio Lower Upper
168 100
139 40.2 33.0 49.6
169 15.0 11.3 16.9



#58
Fluorene
Concen: 5.740 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:166 Resp: 59363
Ion Ratio Lower Upper
166 100
165 101.4 77.2 115.8
167 13.8 10.8 16.2

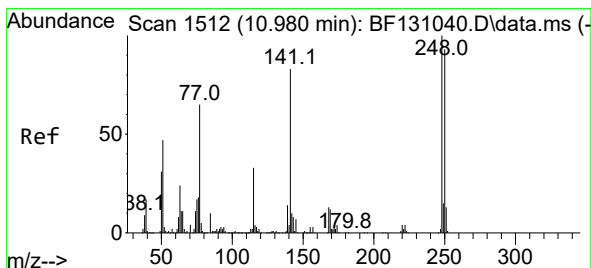
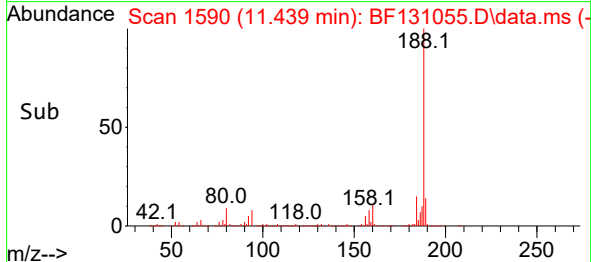
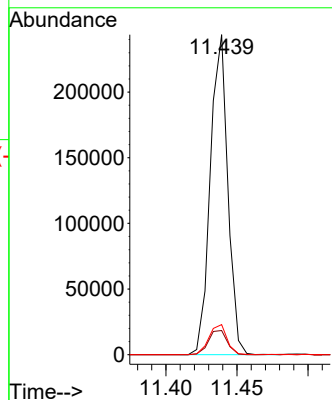
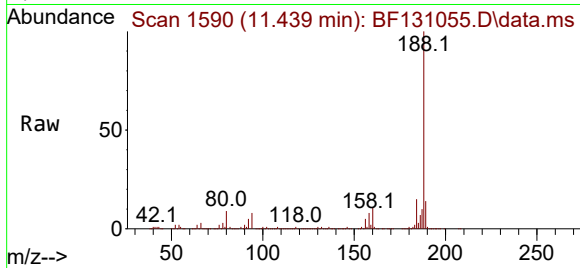




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

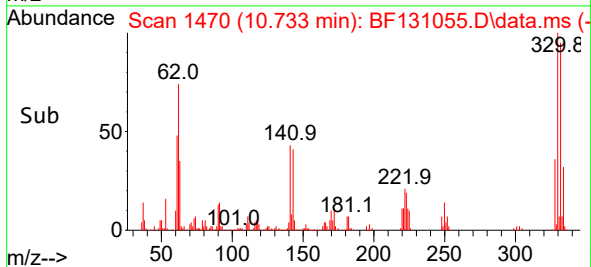
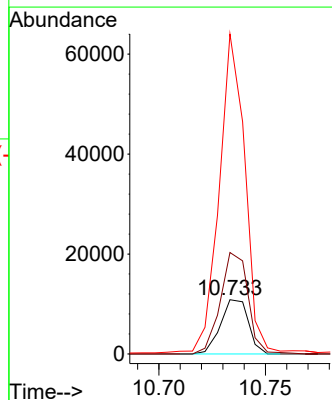
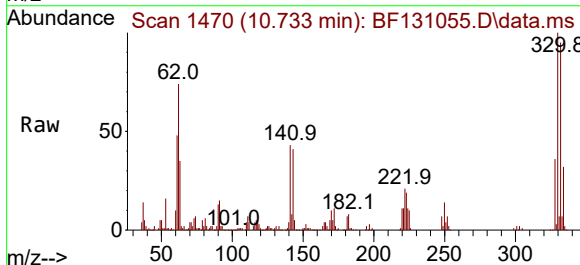
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

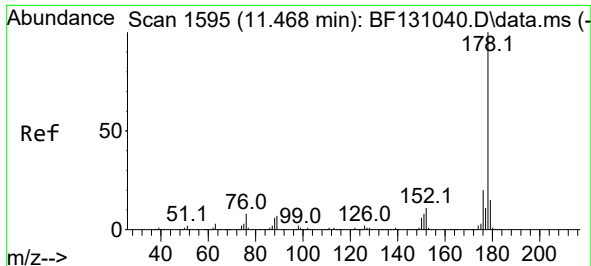
Tgt Ion:188 Resp: 209148
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 9.4 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 3.756 ng
RT: 10.733 min Scan# 1470
Delta R.T. -0.247 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:248 Resp: 9869
Ion Ratio Lower Upper
248 100
250 186.8 74.6 112.0#
141 589.2 66.2 99.2#

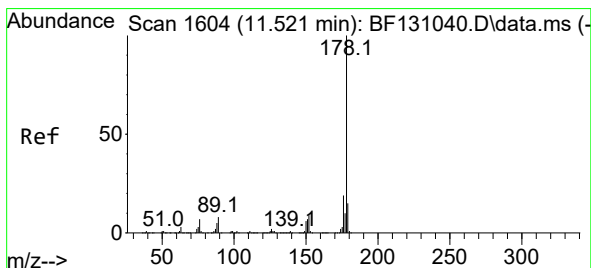
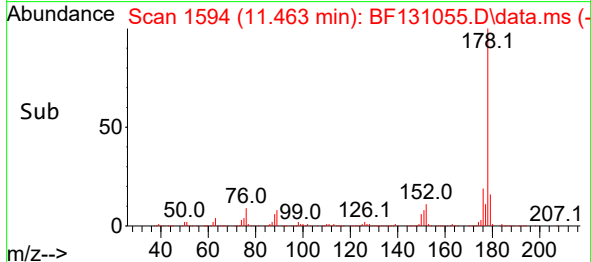
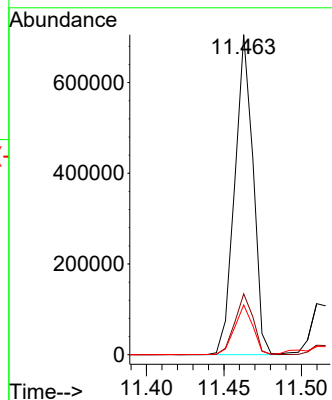
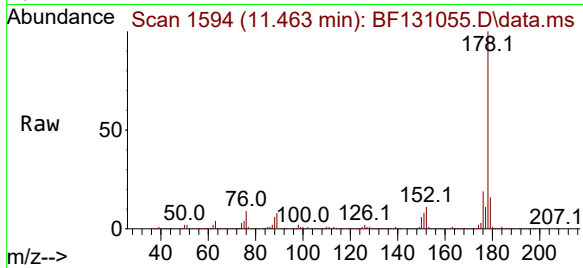




#71
Phenanthrene
Concen: 49.201 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

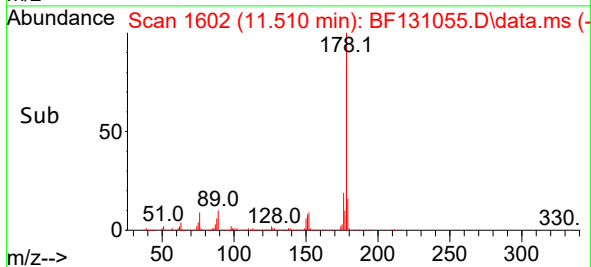
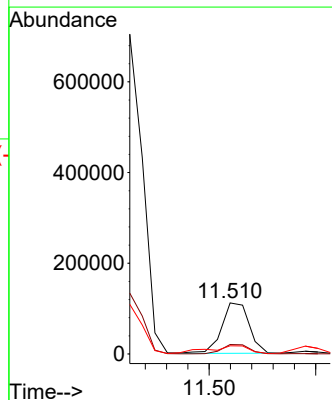
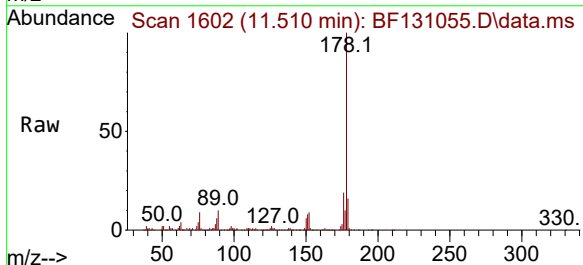
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

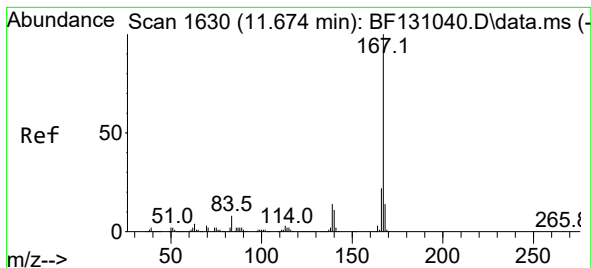
Tgt Ion:178 Resp: 579616
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.3 18.5



#72
Anthracene
Concen: 8.638 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:178 Resp: 99889
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.1 12.4 18.6





#73

Carbazole

Concen: 8.826 ng

RT: 11.669 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

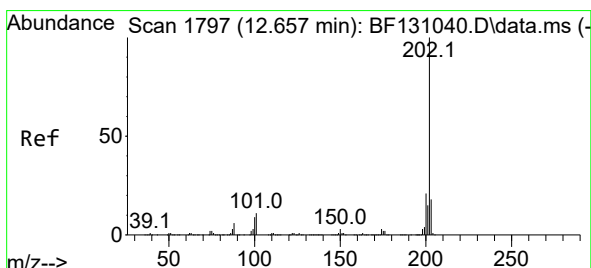
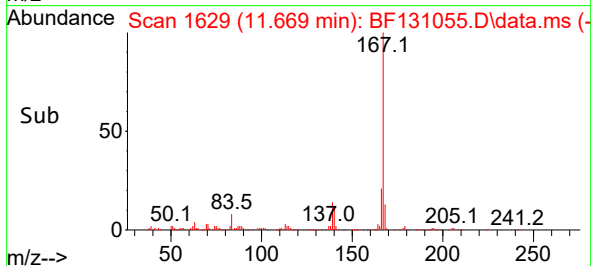
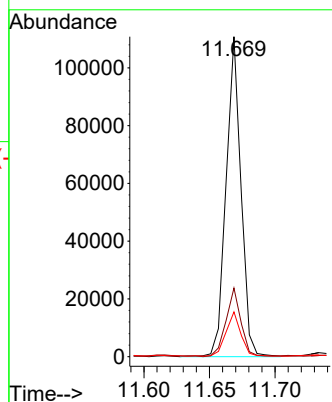
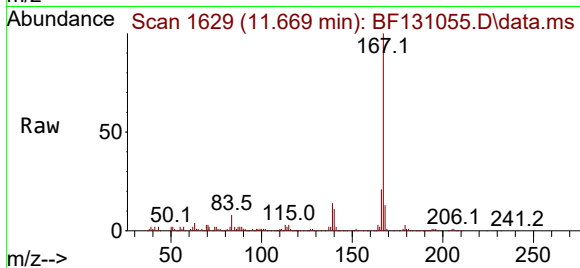
Tgt Ion:167 Resp: 87319

Ion Ratio Lower Upper

167 100

166 21.5 17.4 26.2

139 14.0 11.0 16.4



#75

Fluoranthene

Concen: 63.939 ng

RT: 12.663 min Scan# 1798

Delta R.T. 0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

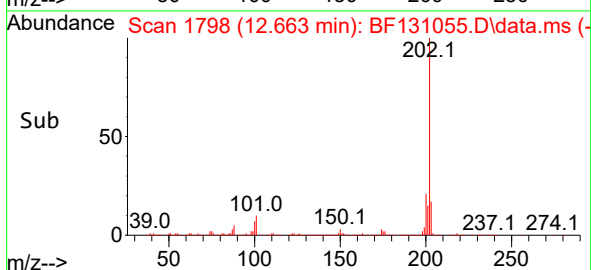
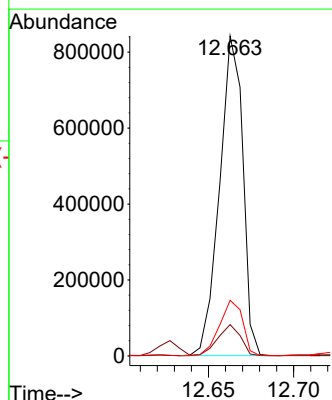
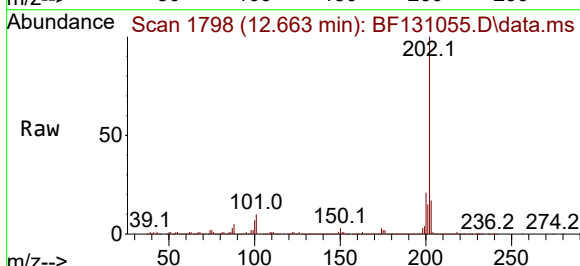
Tgt Ion:202 Resp: 799532

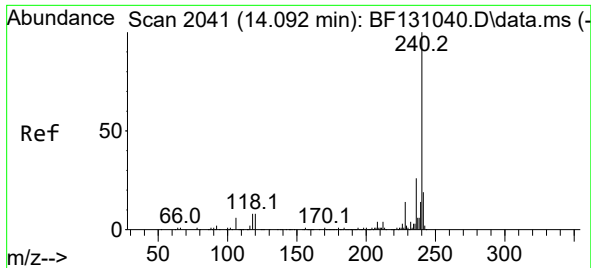
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.9

203 17.4 0.0 37.8

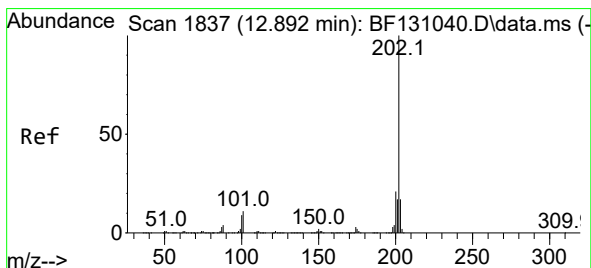
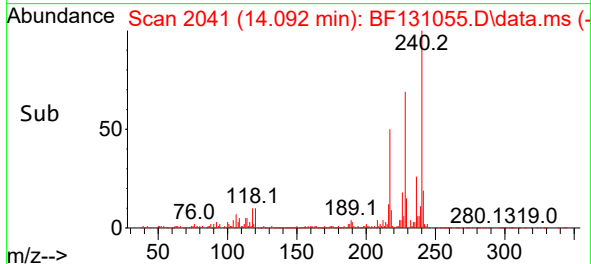
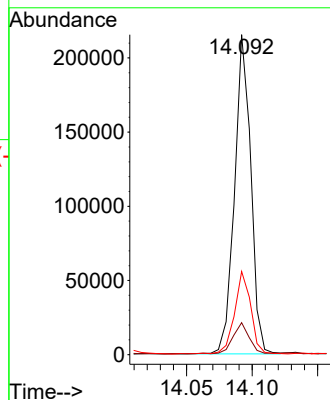
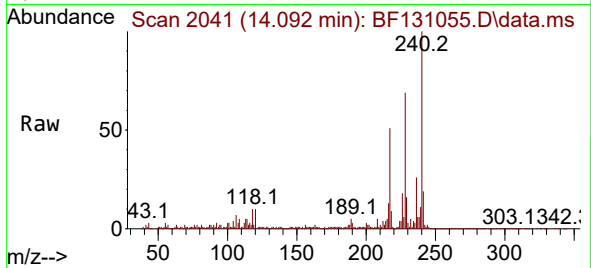




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

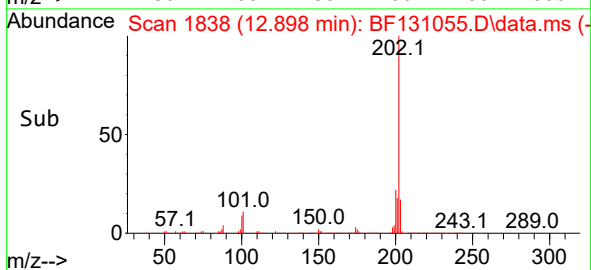
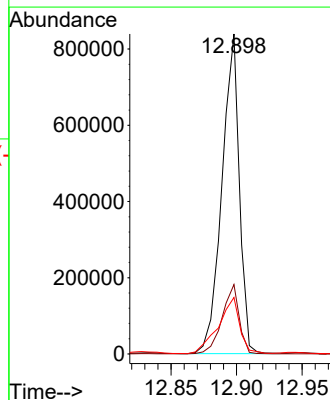
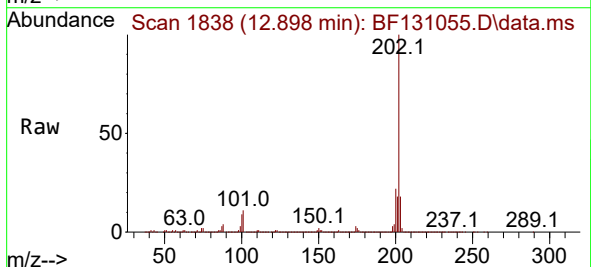
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

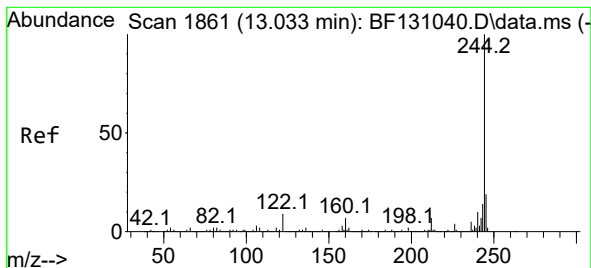
Tgt Ion:240 Resp: 186031
Ion Ratio Lower Upper
240 100
120 10.0 6.7 10.1
236 26.0 20.8 31.2



#78
Pyrene
Concen: 45.654 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:202 Resp: 773488
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.4
203 17.6 13.8 20.8





#79

Terphenyl-d14

Concen: 58.554 ng

RT: 13.033 min Scan# 1861

Delta R.T. 0.000 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

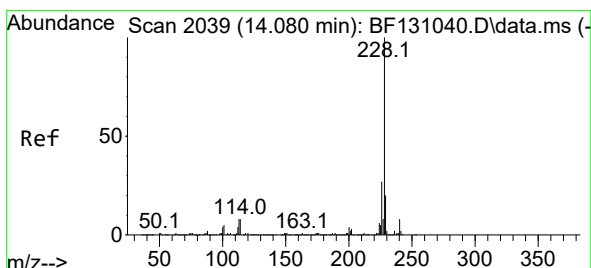
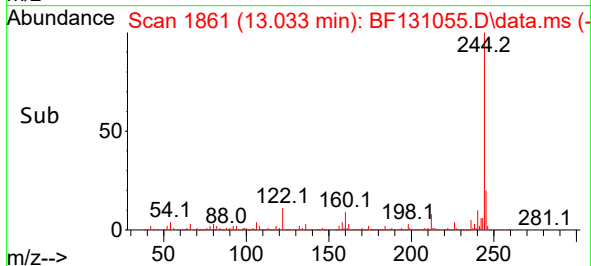
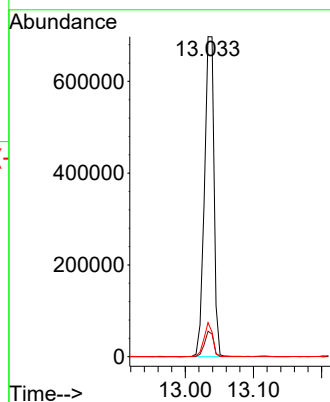
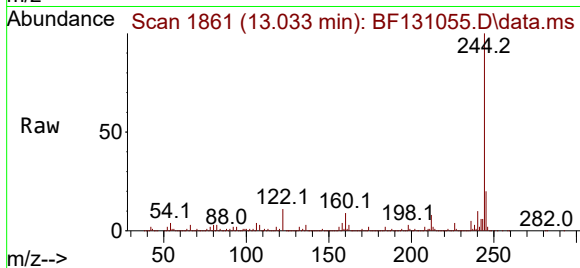
Tgt Ion:244 Resp: 679418

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.6

122 10.7 7.0 10.4#



#81

Benzo(a)anthracene

Concen: 39.218 ng

RT: 14.080 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

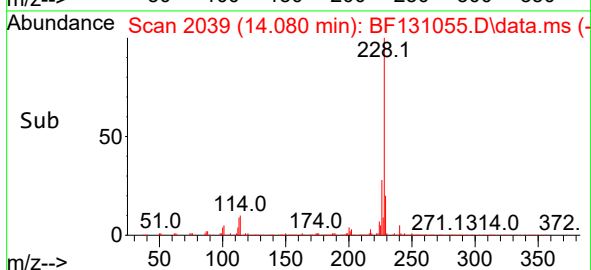
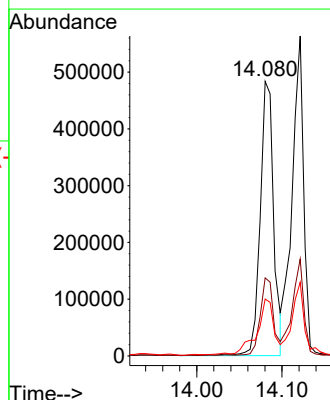
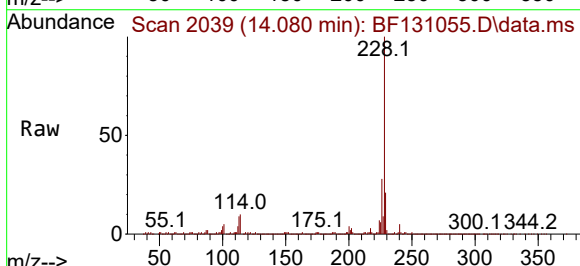
Tgt Ion:228 Resp: 529745

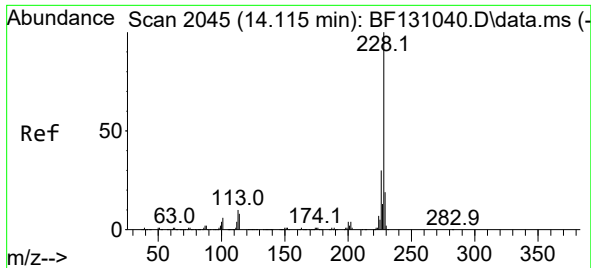
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 20.7 15.8 23.6

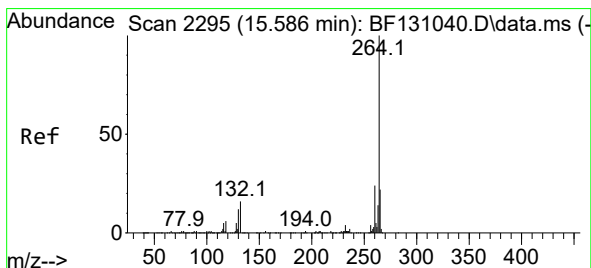
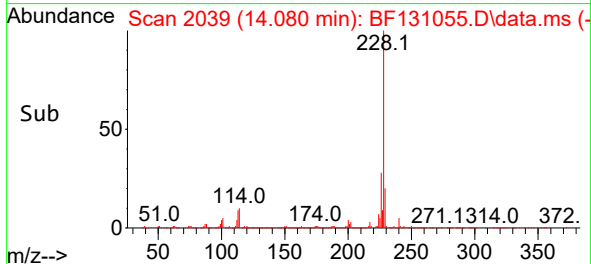
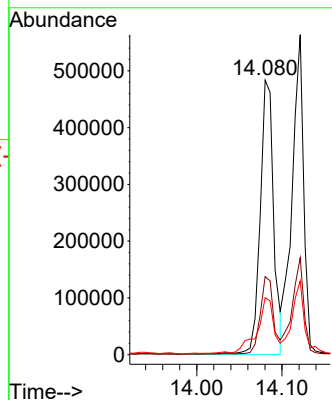
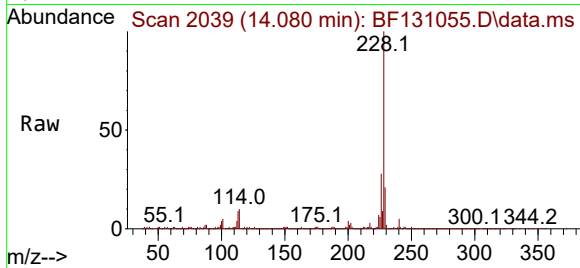




#83
Chrysene
Concen: 41.297 ng
RT: 14.080 min Scan# 2045
Delta R.T. -0.035 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

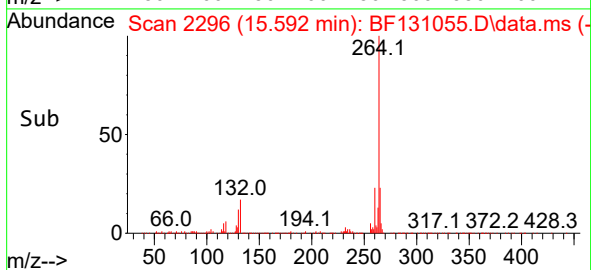
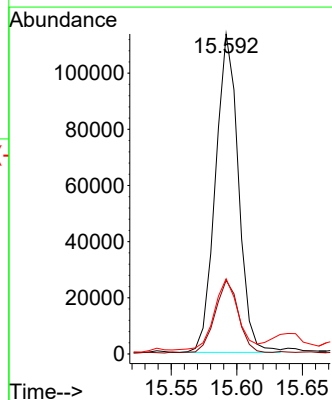
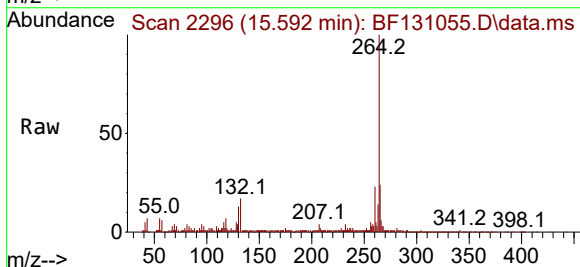
Instrument :
BNA_F
ClientSampleId :
TR-6-110322

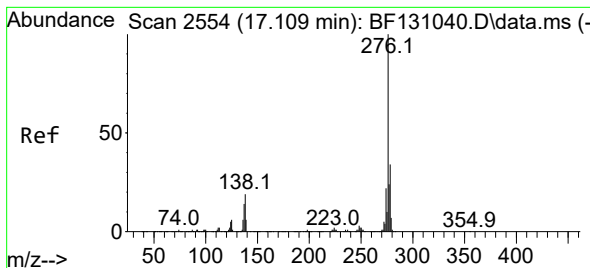
Tgt Ion:228 Resp: 529745
Ion Ratio Lower Upper
228 100
226 28.4 23.7 35.5
229 20.7 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:264 Resp: 138044
Ion Ratio Lower Upper
264 100
260 23.0 18.8 28.2
265 23.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.697 ng

RT: 17.109 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

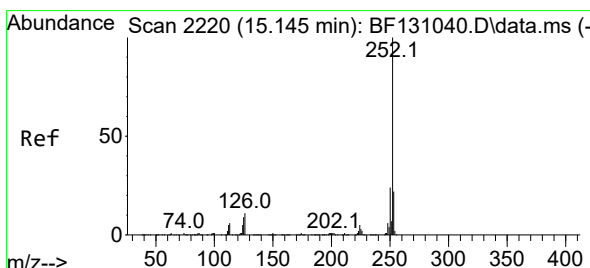
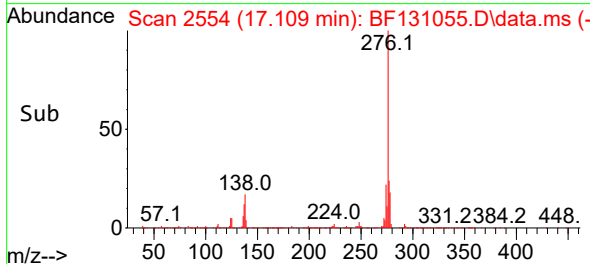
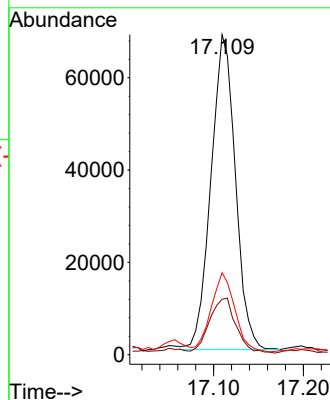
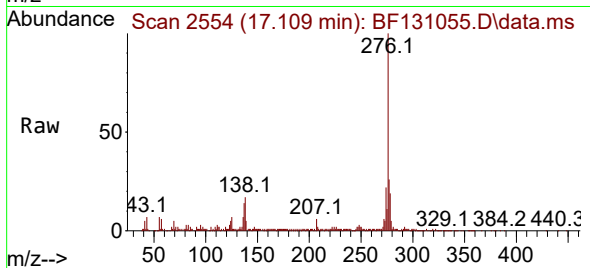
Tgt Ion:276 Resp: 128973

Ion Ratio Lower Upper

276 100

138 18.9 17.3 25.9

277 24.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 69.504 ng

RT: 15.157 min Scan# 2222

Delta R.T. 0.012 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

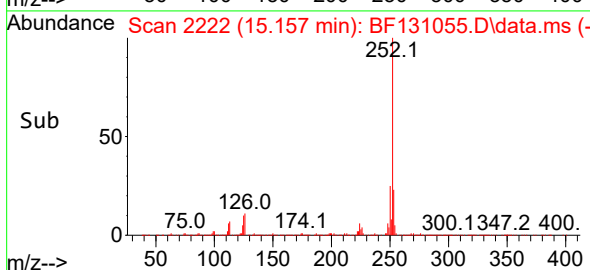
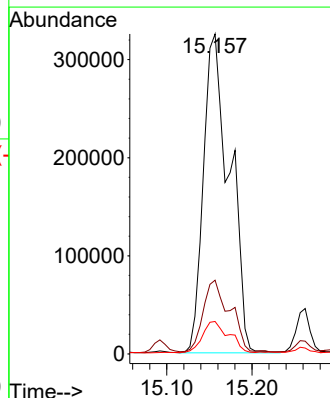
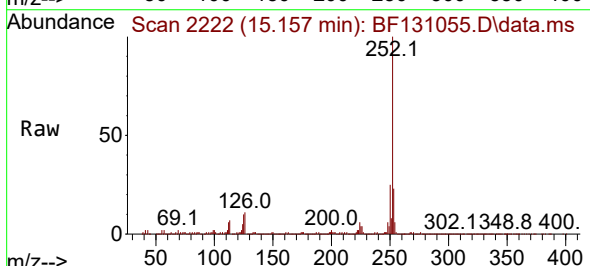
Tgt Ion:252 Resp: 697234

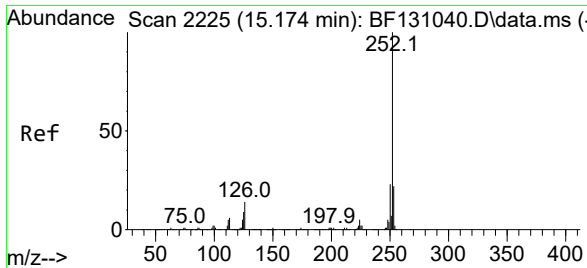
Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

125 10.2 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 71.337 ng

RT: 15.157 min Scan# 2222

Delta R.T. -0.017 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

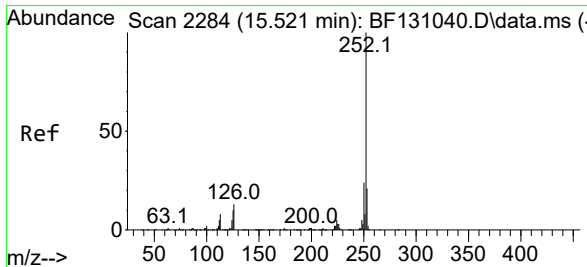
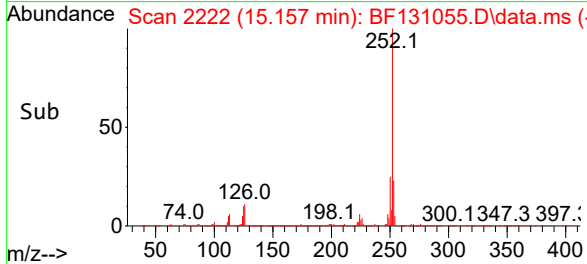
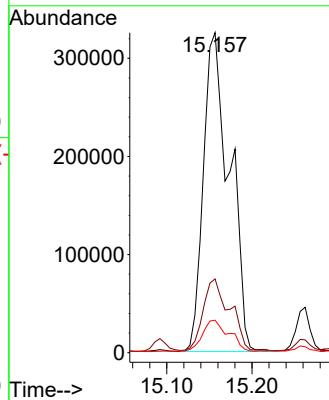
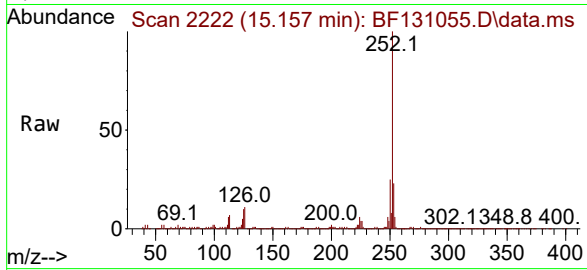
Tgt Ion:252 Resp: 697234

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 10.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 37.836 ng

RT: 15.533 min Scan# 2286

Delta R.T. 0.012 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

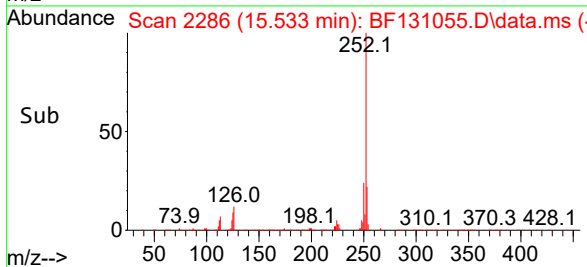
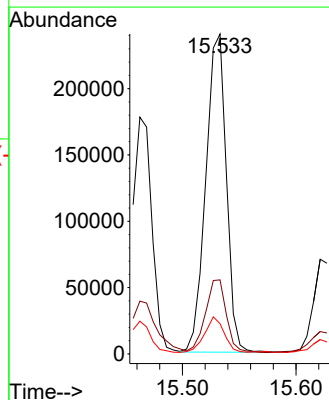
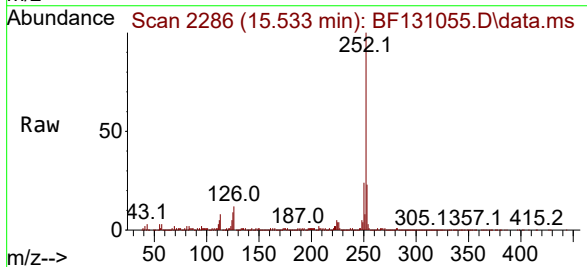
Tgt Ion:252 Resp: 301760

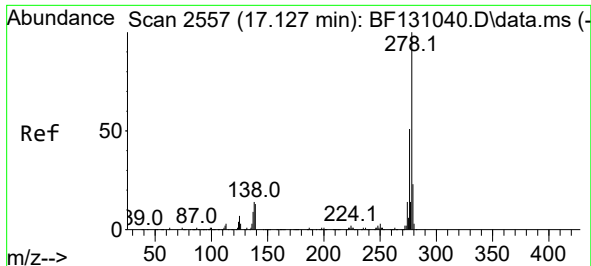
Ion Ratio Lower Upper

252 100

253 23.2 16.9 25.3

125 9.4 7.9 11.9

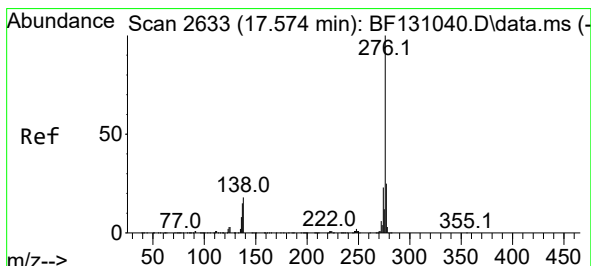
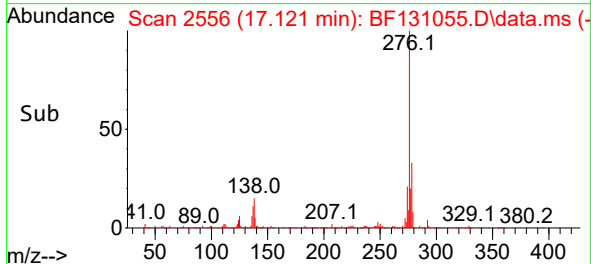
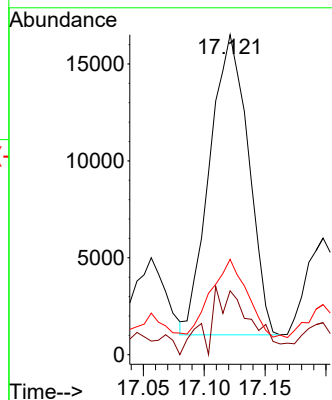
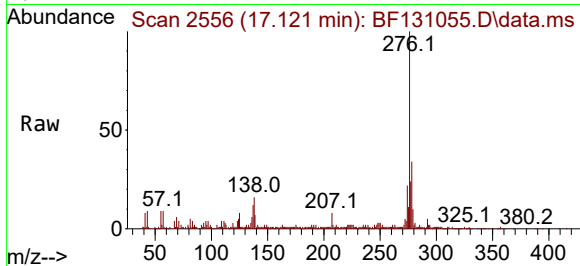




#91
Dibenzo(a,h)anthracene
Concen: 6.668 ng
RT: 17.121 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Instrument :
BNA_F
ClientSampleId :
TR-6-110322

Tgt Ion:278 Resp: 34270
Ion Ratio Lower Upper
278 100
139 20.0 10.8 16.2#
279 29.8 18.7 28.1#



#92
Benzo(g,h,i)perylene
Concen: 14.899 ng
RT: 17.574 min Scan# 2633
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:276 Resp: 119801
Ion Ratio Lower Upper
276 100
277 24.3 20.0 30.0
138 21.2 14.8 22.2

