

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
 Data File : BF131077.D
 Acq On : 08 Nov 2022 20:34
 Operator : CG\JU
 Sample : N5485-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-110422

Quant Time: Nov 09 04:08:45 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

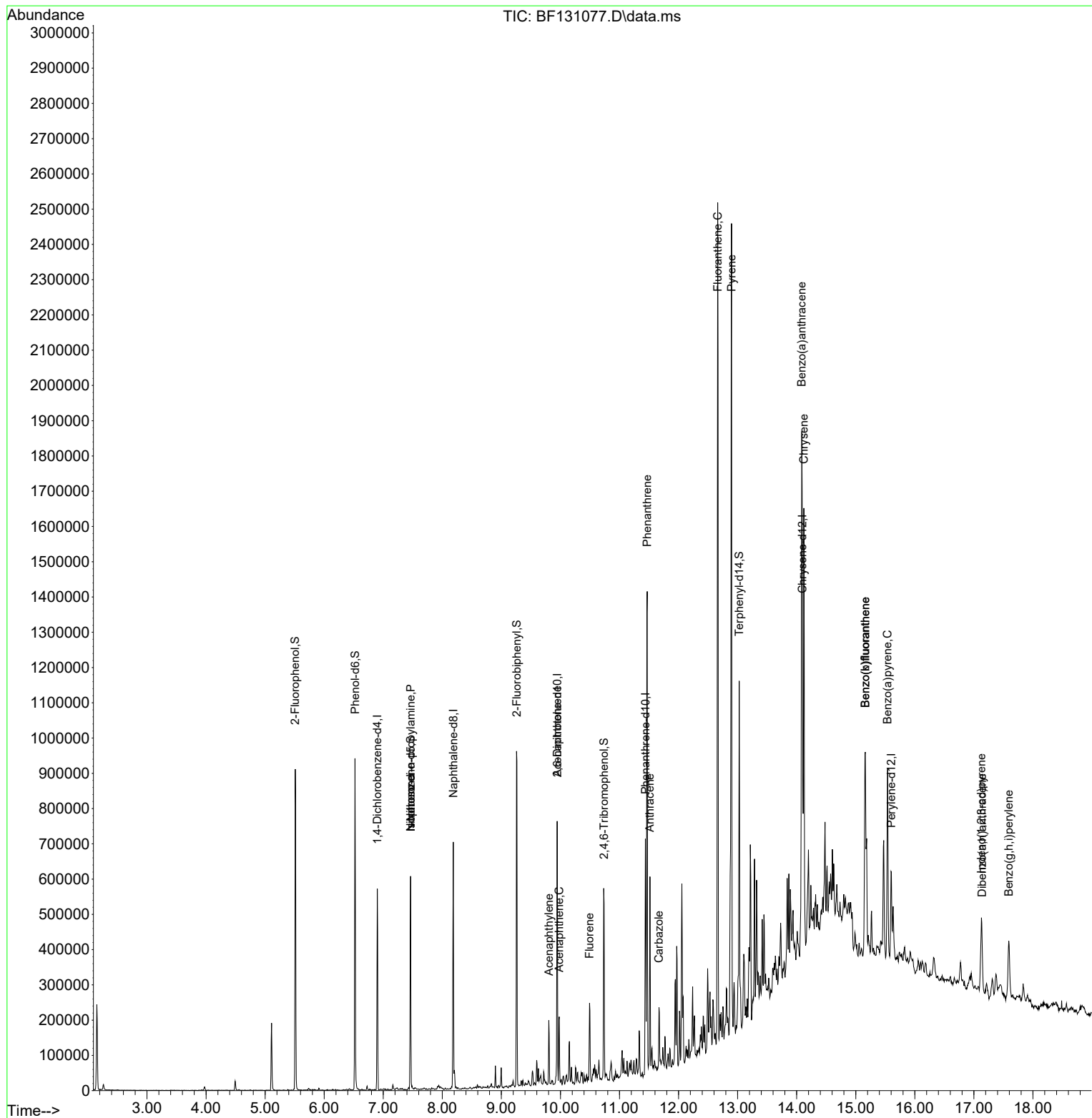
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	75484	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	259593	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	132317	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	236171	20.000	ng	0.00
76) Chrysene-d12	14.098	240	203694	20.000	ng	0.00
86) Perylene-d12	15.604	264	107778	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	218827	46.746	ng	0.00
7) Phenol-d6	6.522	99	250679	43.874	ng	0.00
23) Nitrobenzene-d5	7.463	82	165433	29.540	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	56187	38.569	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	283389	29.188	ng	0.00
79) Terphenyl-d14	13.027	244	304630	23.977	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.463	70	22750	5.587	ng	# 77
25) Isophorone	7.463	82	164622	17.149	ng	# 66
49) Acenaphthylene	9.804	152	64757	5.043	ng	98
51) 2,6-Dinitrotoluene	9.945	165	17928	8.241	ng	# 18
52) Acenaphthene	9.980	154	38551	4.903	ng	99
55) Dibenzofuran	10.151	168	34492	Below Cal		97
58) Fluorene	10.492	166	59423	6.250	ng	99
71) Phenanthrene	11.469	178	510578	38.382	ng	99
72) Anthracene	11.516	178	181136	13.872	ng	99
73) Carbazole	11.669	167	61575	5.512	ng	99
75) Fluoranthene	12.663	202	994445	70.427	ng	100
78) Pyrene	12.898	202	960754	51.790	ng	99
81) Benzo(a)anthracene	14.086	228	557518	37.695	ng	96
83) Chrysene	14.121	228	461670	32.870	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	142730	18.028	ng	97
88) Benzo(b)fluoranthene	15.162	252	476905	60.890	ng	98
89) Benzo(k)fluoranthene	15.162	252	476905	62.497	ng	99
90) Benzo(a)pyrene	15.539	252	254675	40.899	ng	97
91) Dibenzo(a,h)anthracene	17.139	278	35201	7.729	ng	# 90
92) Benzo(g,h,i)perylene	17.592	276	140203	20.641	ng	99

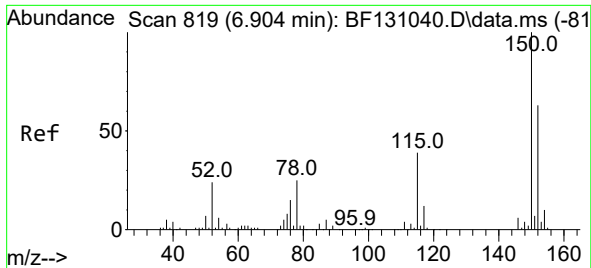
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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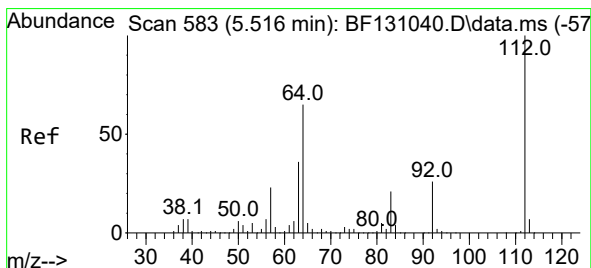
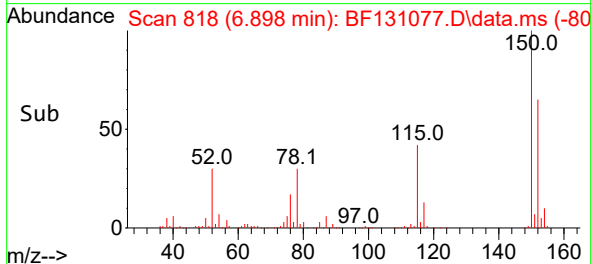
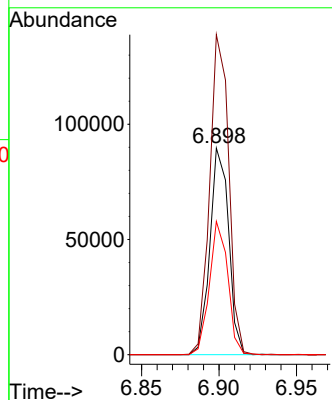
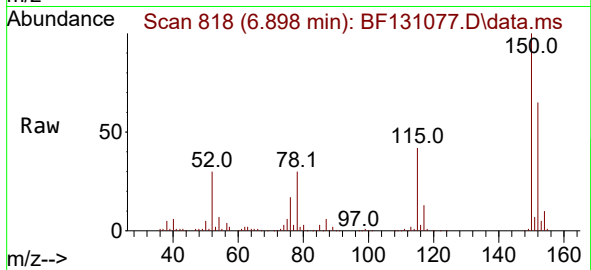




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

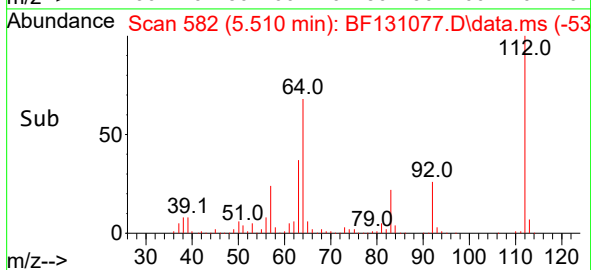
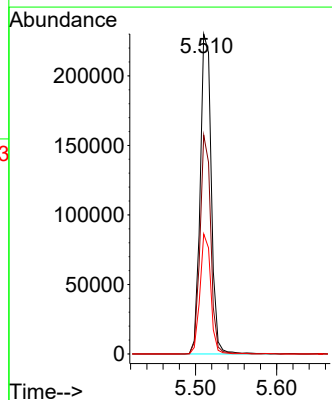
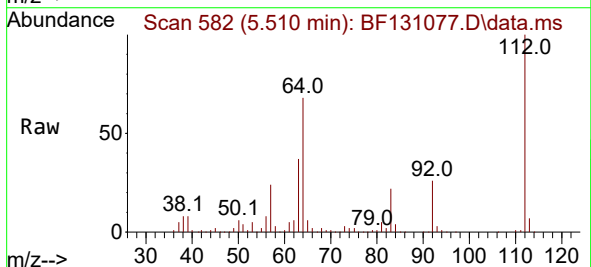
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

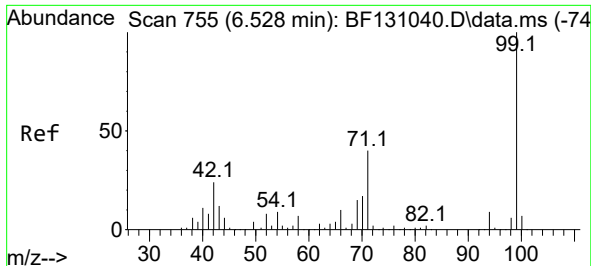
Tgt Ion:152 Resp: 75484
Ion Ratio Lower Upper
152 100
150 154.9 126.6 189.8
115 64.6 49.1 73.7



#5
2-Fluorophenol
Concen: 46.746 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:112 Resp: 218827
Ion Ratio Lower Upper
112 100
64 68.4 52.2 78.4
63 37.5 29.0 43.4

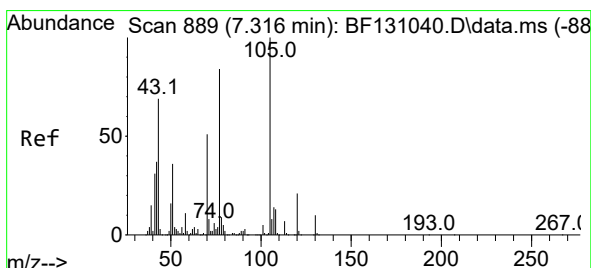
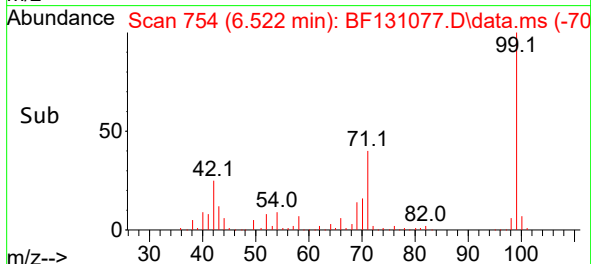
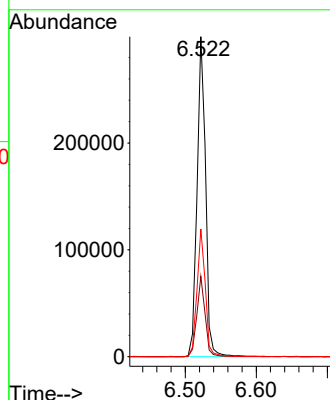
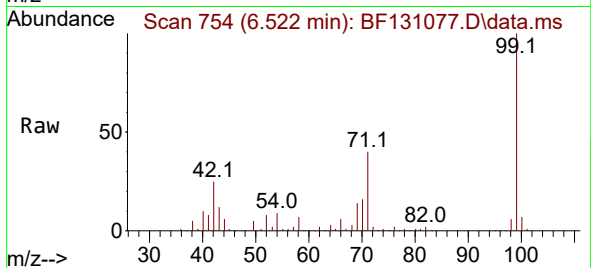




#7
Phenol-d6
Concen: 43.874 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

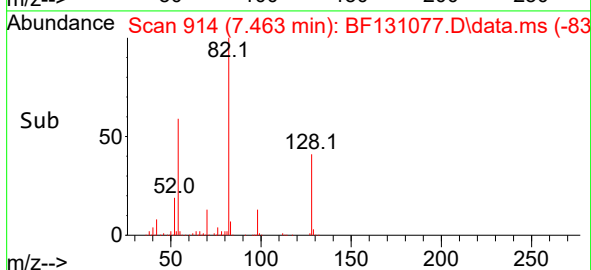
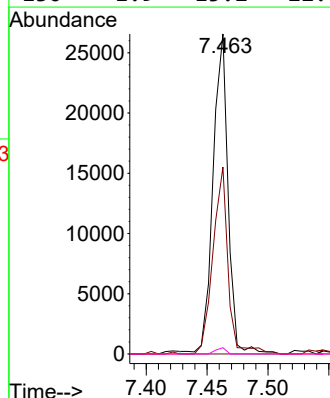
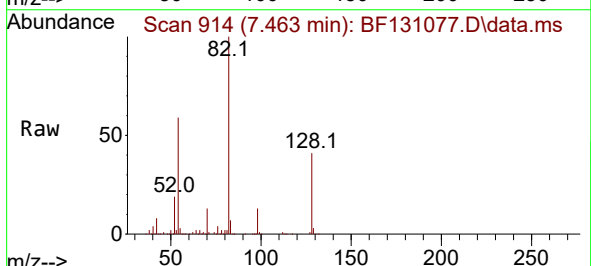
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

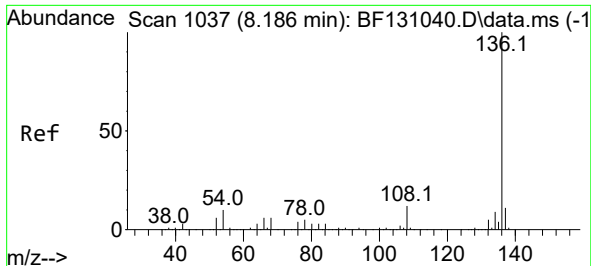
Tgt Ion: 99 Resp: 250679
Ion Ratio Lower Upper
99 100
42 25.1 19.4 29.0
71 39.9 31.8 47.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.587 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion: 70 Resp: 22750
Ion Ratio Lower Upper
70 100
42 58.4 59.0 88.4#
101 0.0 8.0 12.0#
130 1.9 15.2 22.8#



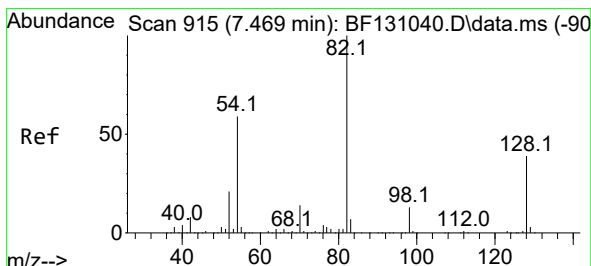
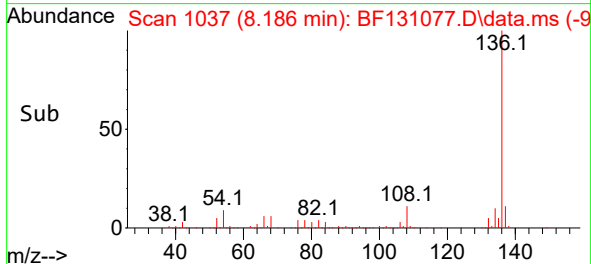
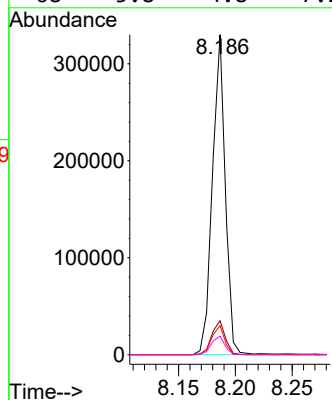
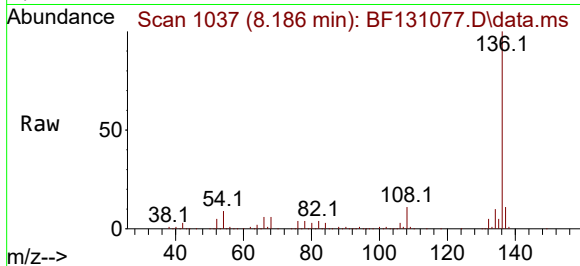


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Instrument :
BNA_F
ClientSampleId :
OR-03-110422

Tgt Ion:136 Resp: 259593

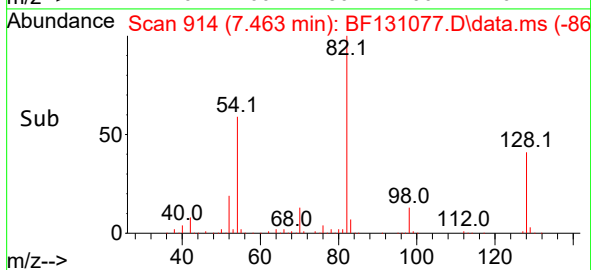
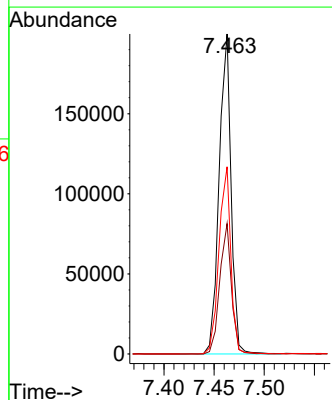
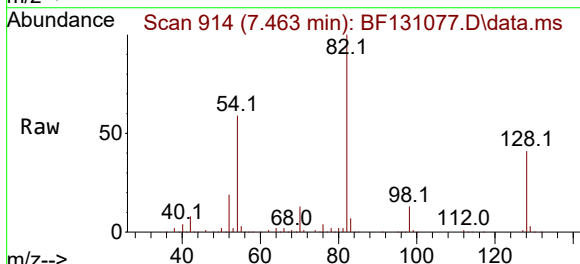
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.1	8.2	12.2
68	5.8	4.8	7.2

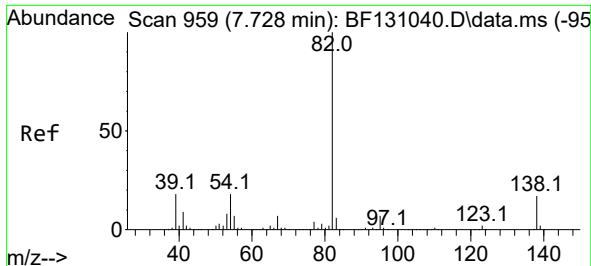


#23
Nitrobenzene-d5
Concen: 29.540 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion: 82 Resp: 165433

Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	58.5	47.2	70.8

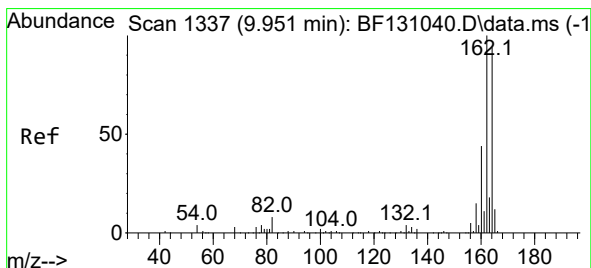
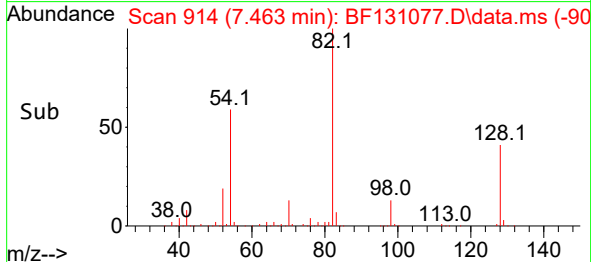
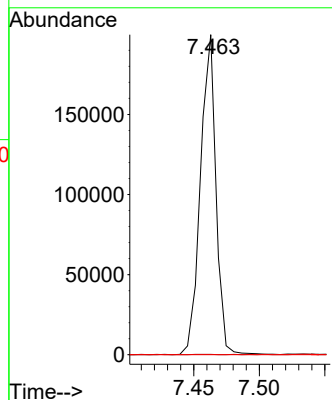
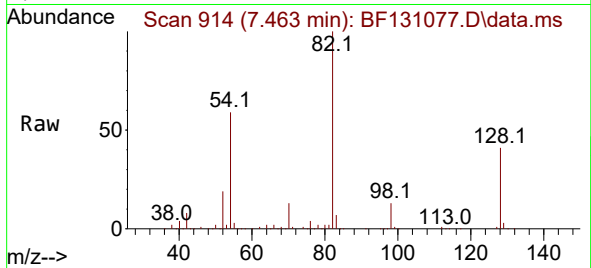




#25
Isophorone
Concen: 17.149 ng
RT: 7.463 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

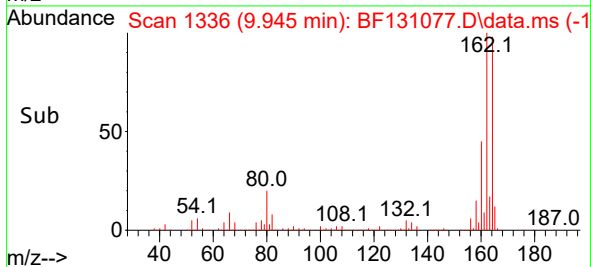
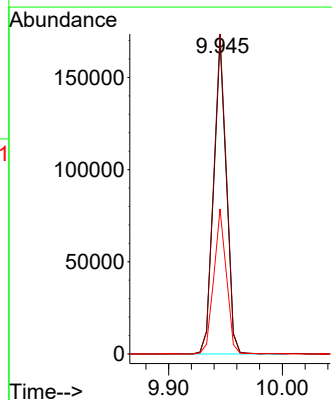
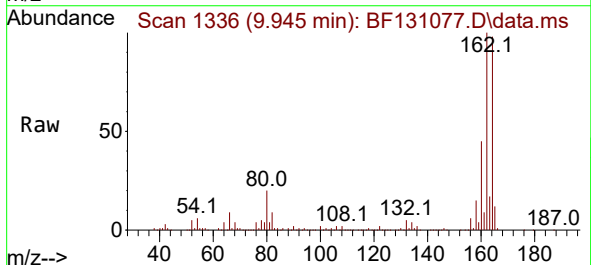
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ClientSampleId :
OR-03-110422

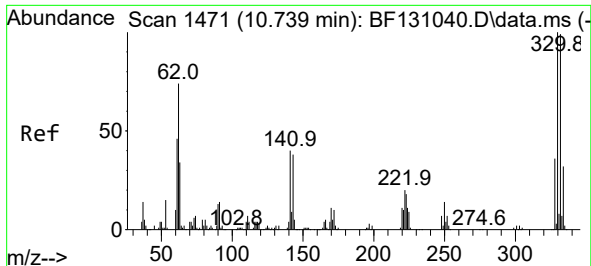
Tgt Ion: 82 Resp: 164622
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 13.5 20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:164 Resp: 132317
Ion Ratio Lower Upper
164 100
162 101.9 85.0 127.6
160 46.2 37.0 55.6

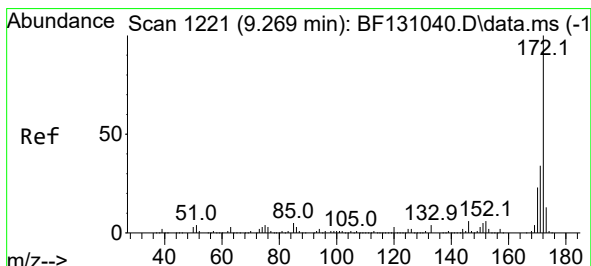
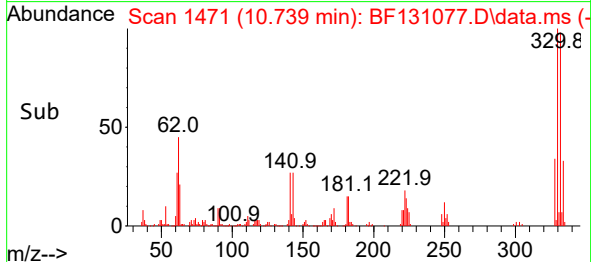
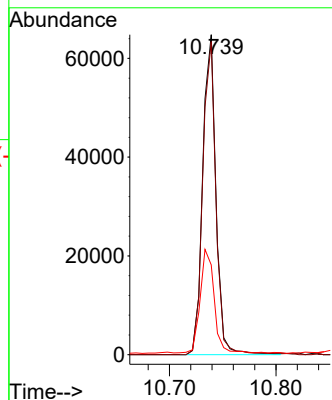
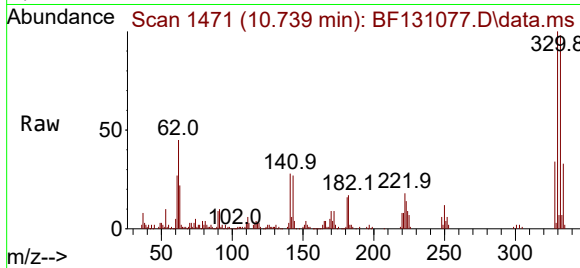




#42
2,4,6-Tribromophenol
Concen: 38.569 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

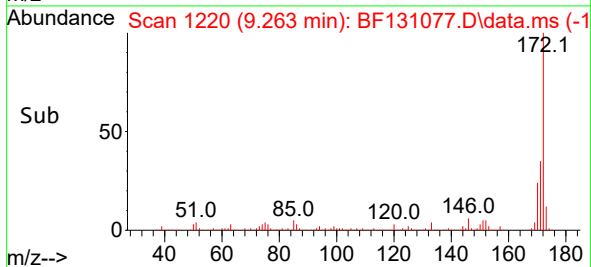
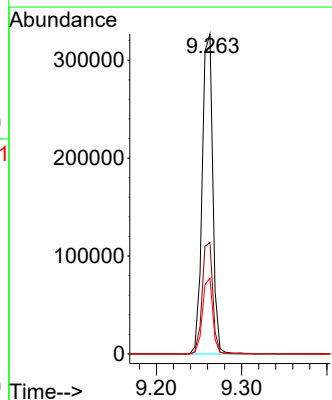
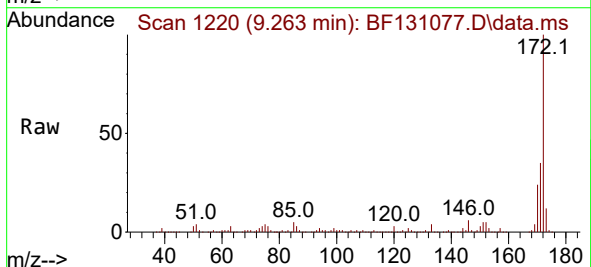
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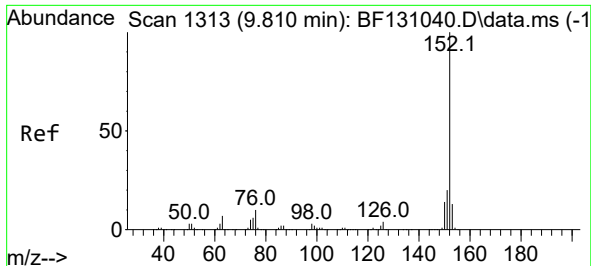
Tgt Ion: 330 Resp: 56187
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 34.9 28.3 42.5



#45
2-Fluorobiphenyl
Concen: 29.188 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion: 172 Resp: 283389
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.7 18.4 27.6





#49

Acenaphthylene

Concen: 5.043 ng

RT: 9.804 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422

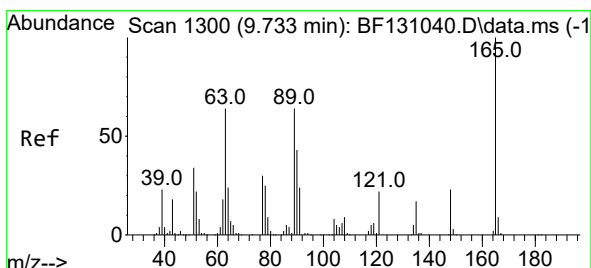
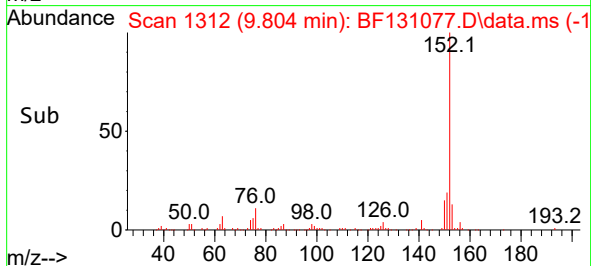
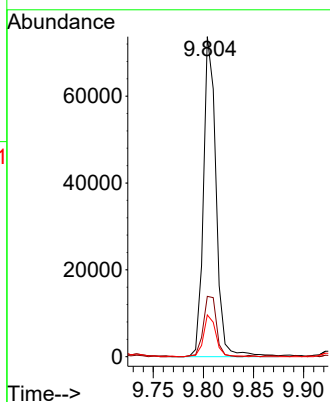
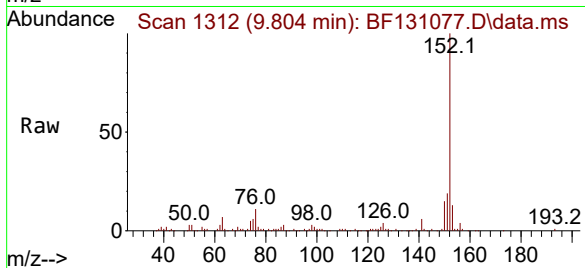
Tgt Ion:152 Resp: 64757

Ion Ratio Lower Upper

152 100

151 18.8 16.2 24.4

153 13.0 10.4 15.6



#51

2,6-Dinitrotoluene

Concen: 8.241 ng

RT: 9.945 min Scan# 1336

Delta R.T. 0.212 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

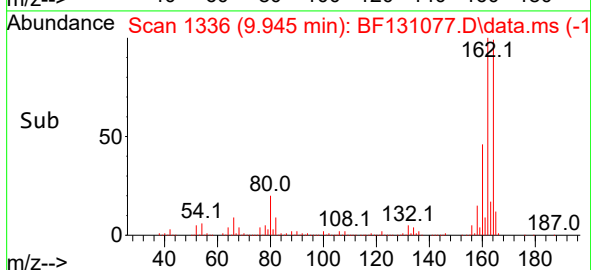
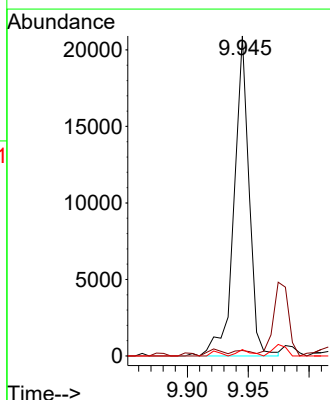
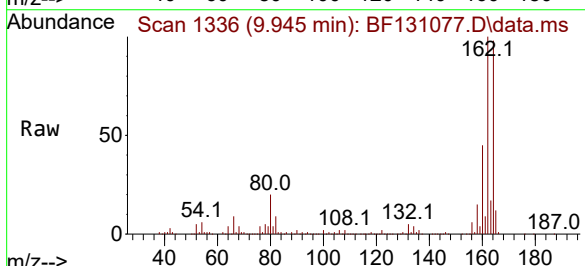
Tgt Ion:165 Resp: 17928

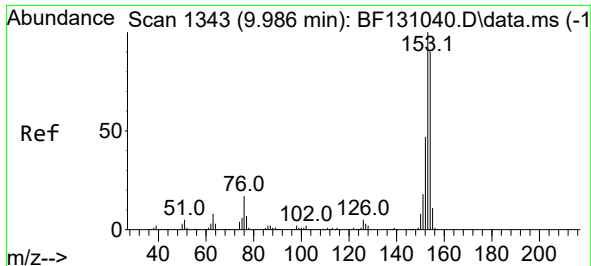
Ion Ratio Lower Upper

165 100

63 1.7 57.2 85.8#

89 2.0 51.4 77.2#

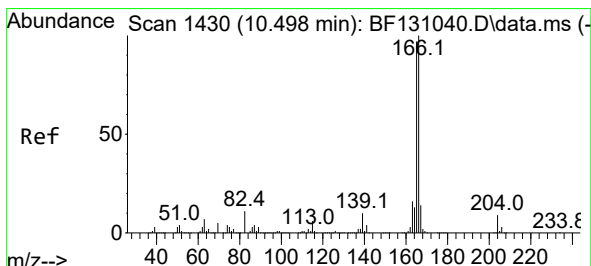
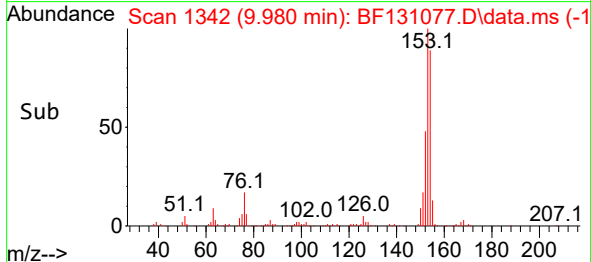
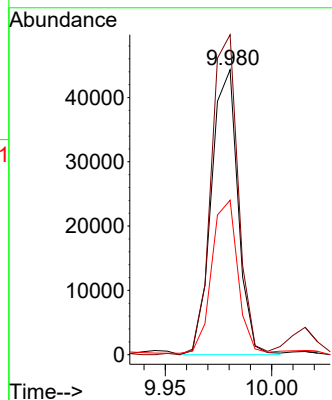
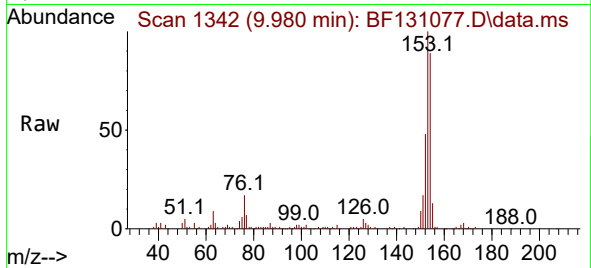




#52
Acenaphthene
Concen: 4.903 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

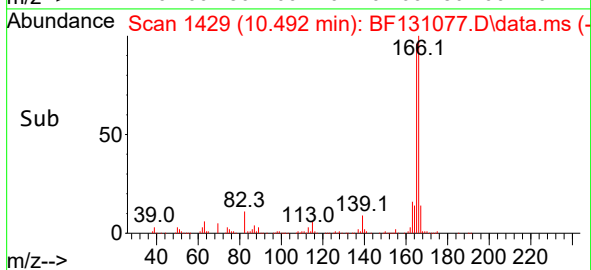
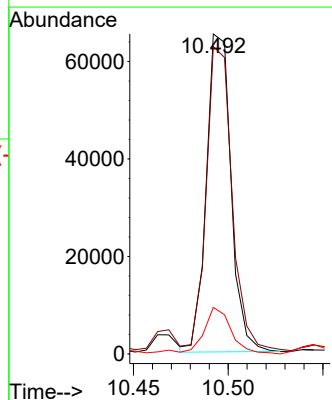
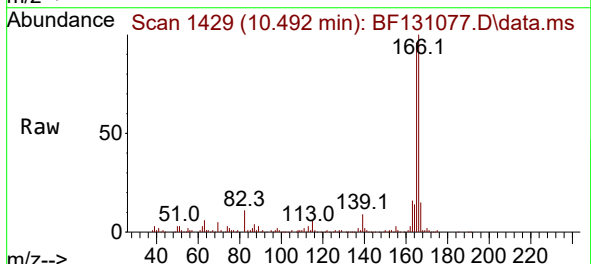
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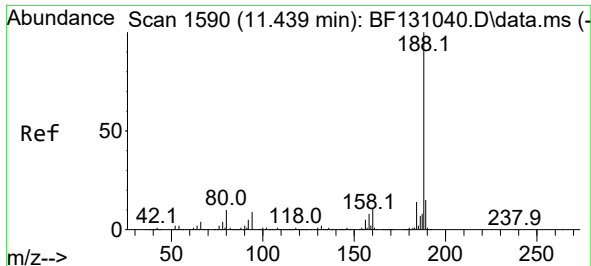
Tgt Ion:154 Resp: 38551
Ion Ratio Lower Upper
154 100
153 112.3 89.0 133.6
152 54.2 42.1 63.1



#58
Fluorene
Concen: 6.250 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:166 Resp: 59423
Ion Ratio Lower Upper
166 100
165 96.0 77.2 115.8
167 14.6 10.8 16.2

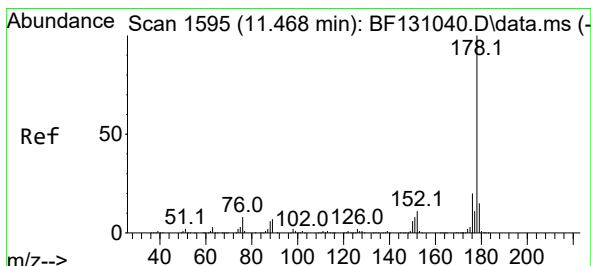
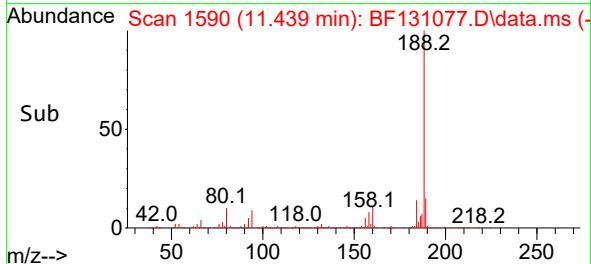
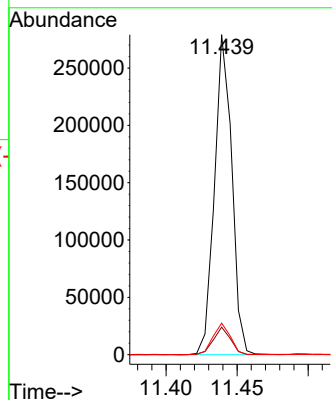
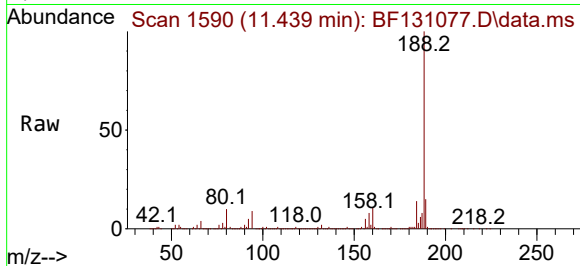




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

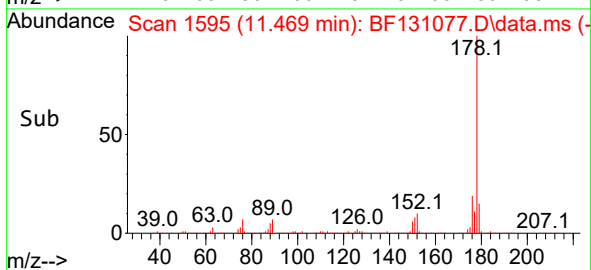
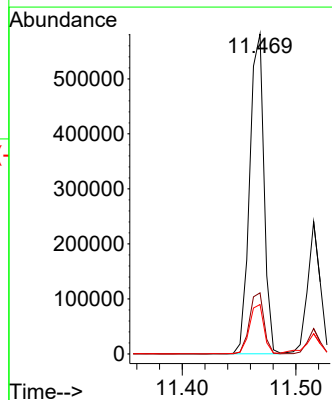
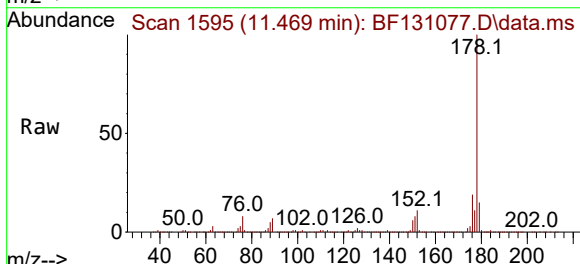
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

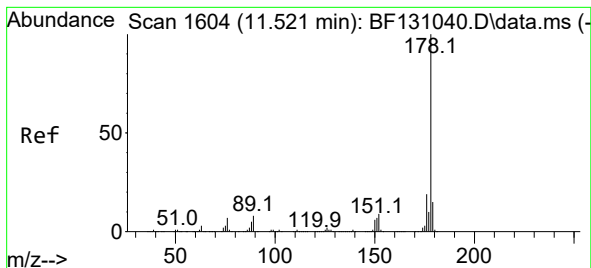
Tgt Ion:188 Resp: 236171
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 9.8 8.1 12.1



#71
Phenanthrene
Concen: 38.382 ng
RT: 11.469 min Scan# 1595
Delta R.T. 0.001 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:178 Resp: 510578
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.4 12.3 18.5





#72

Anthracene

Concen: 13.872 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422

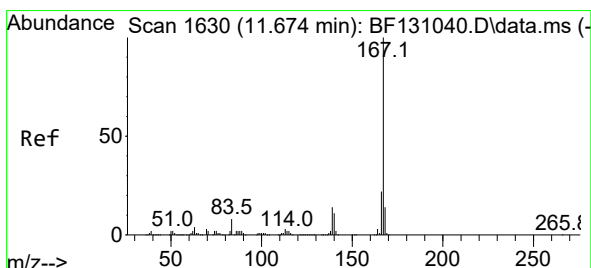
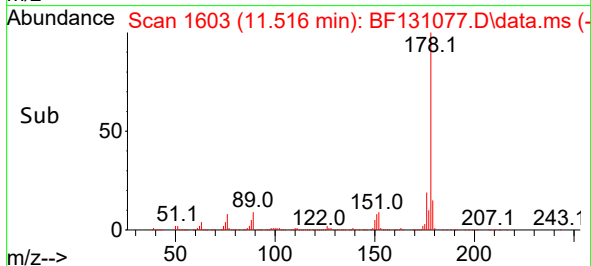
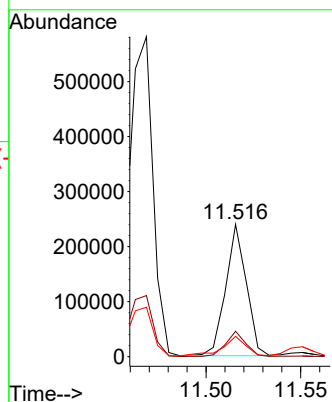
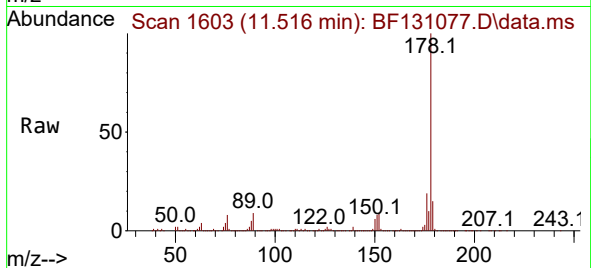
Tgt Ion:178 Resp: 181136

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

179 15.3 12.4 18.6



#73

Carbazole

Concen: 5.512 ng

RT: 11.669 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

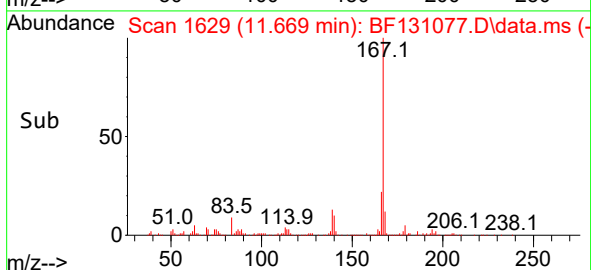
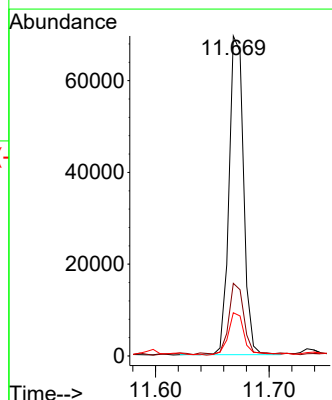
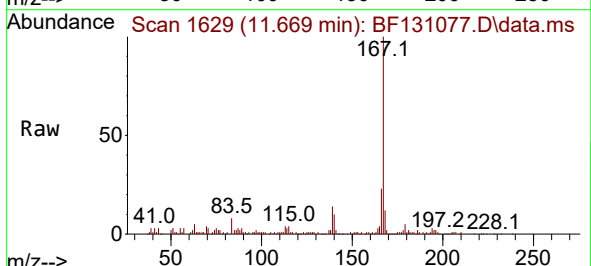
Tgt Ion:167 Resp: 61575

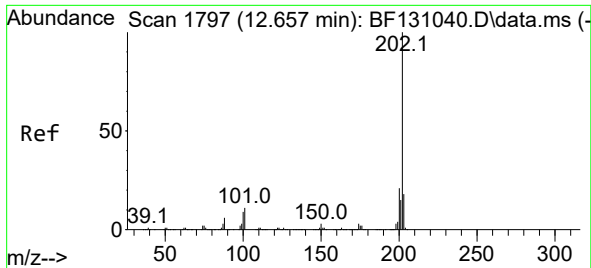
Ion Ratio Lower Upper

167 100

166 22.7 17.4 26.2

139 13.5 11.0 16.4

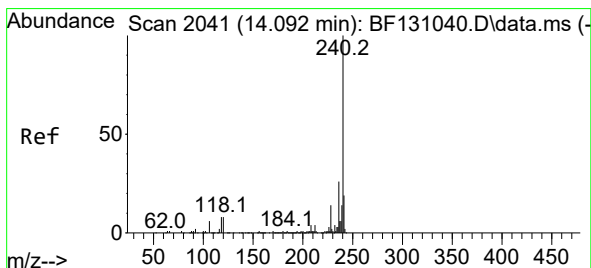
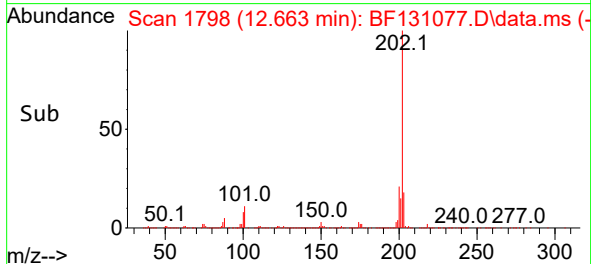
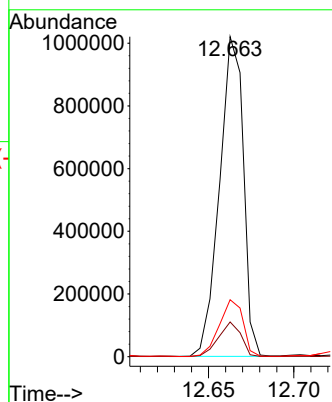
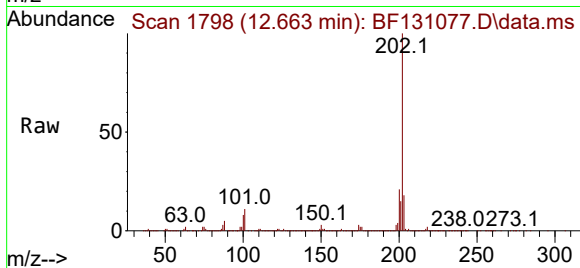




#75
Fluoranthene
Concen: 70.427 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

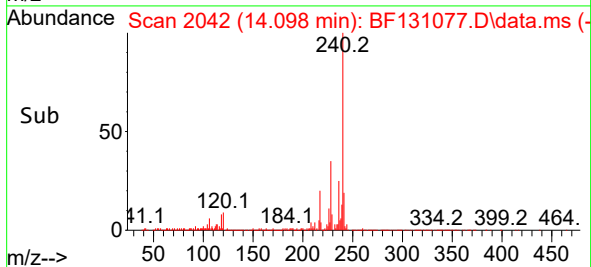
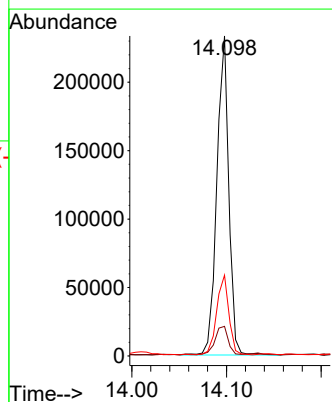
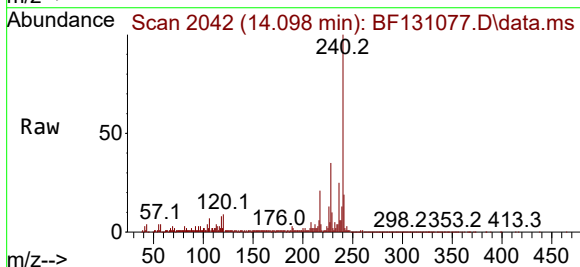
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

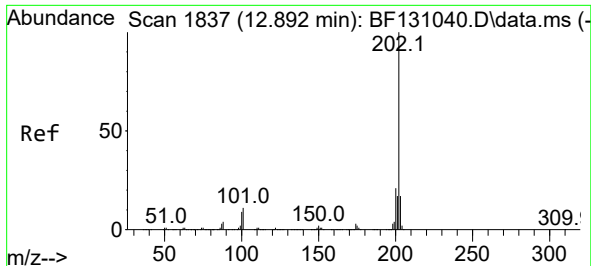
Tgt Ion:202 Resp: 994445
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:240 Resp: 203694
Ion Ratio Lower Upper
240 100
120 9.2 6.7 10.1
236 25.3 20.8 31.2

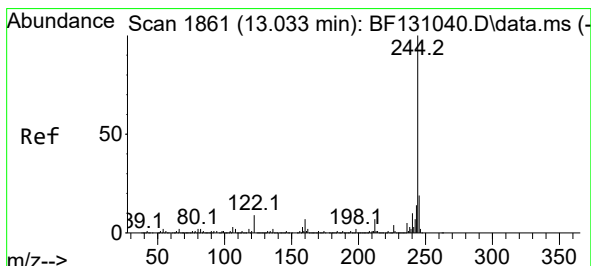
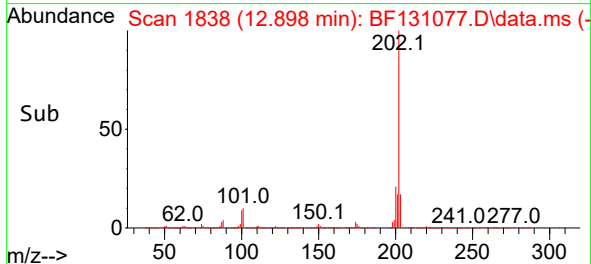
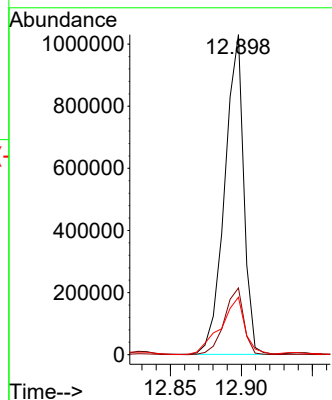
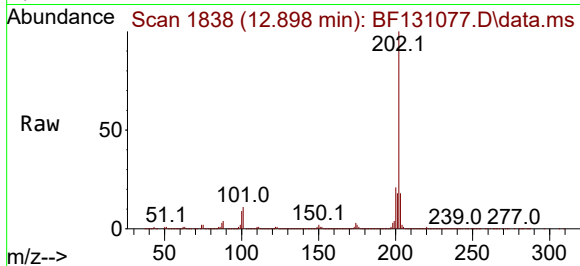




#78
Pyrene
Concen: 51.790 ng
RT: 12.898 min Scan# 1837
Delta R.T. 0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

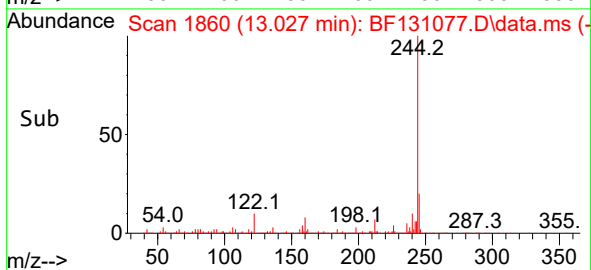
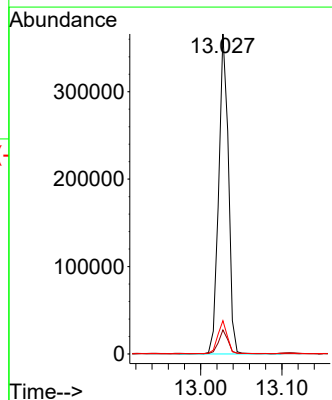
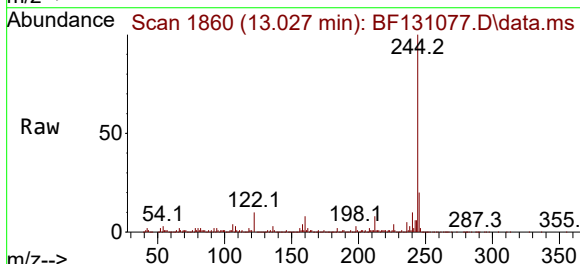
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

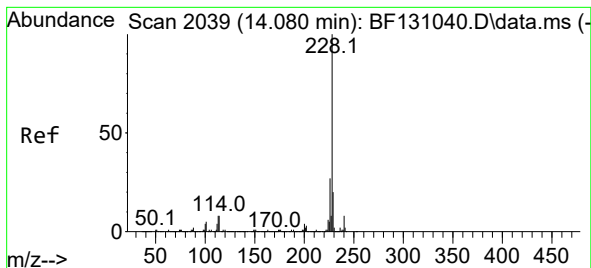
Tgt Ion:202 Resp: 960754
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.0 13.8 20.8



#79
Terphenyl-d14
Concen: 23.977 ng
RT: 13.027 min Scan# 1860
Delta R.T. -0.006 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:244 Resp: 304630
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 10.4 7.0 10.4





#81

Benzo(a)anthracene

Concen: 37.695 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422

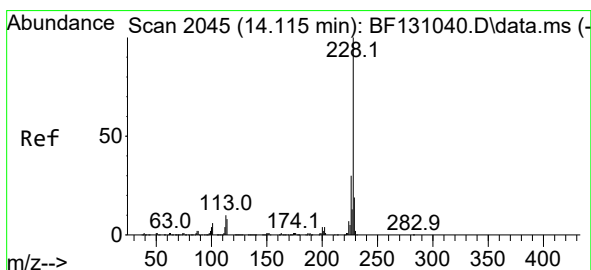
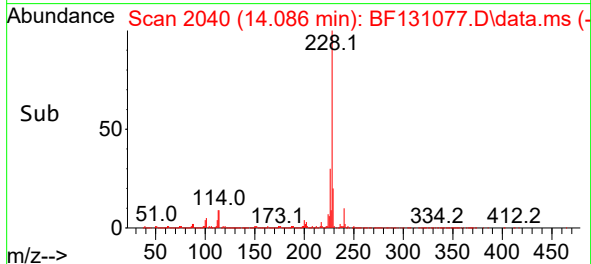
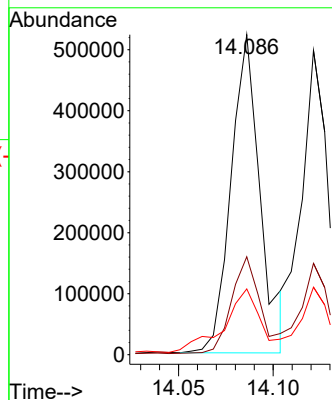
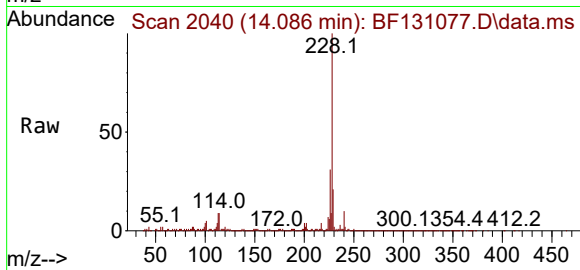
Tgt Ion:228 Resp: 557518

Ion Ratio Lower Upper

228 100

226 30.6 21.8 32.8

229 20.6 15.8 23.6



#83

Chrysene

Concen: 32.870 ng

RT: 14.121 min Scan# 2046

Delta R.T. 0.006 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

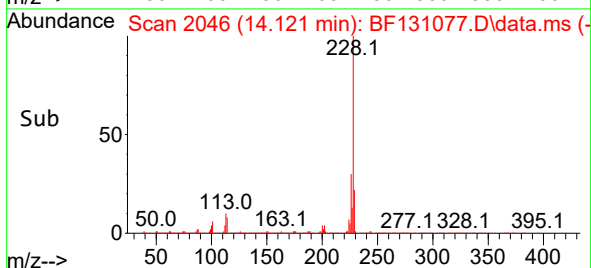
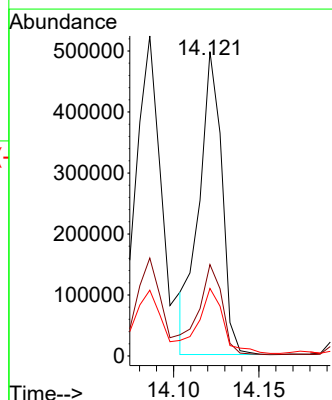
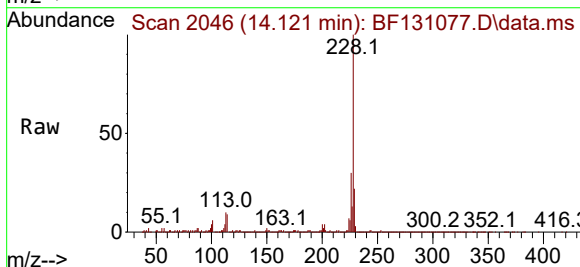
Tgt Ion:228 Resp: 461670

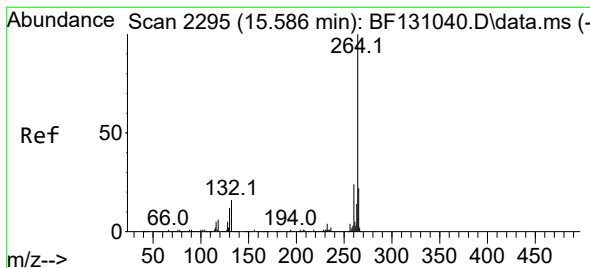
Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 22.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.604 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

Instrument :

BNA_F

ClientSampleId :

OR-03-110422

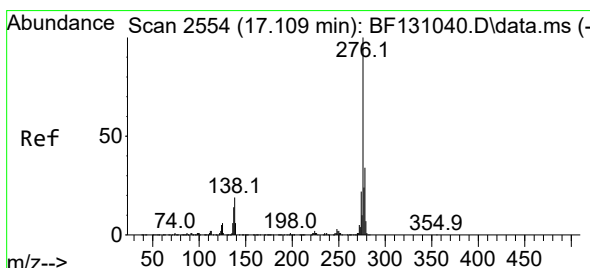
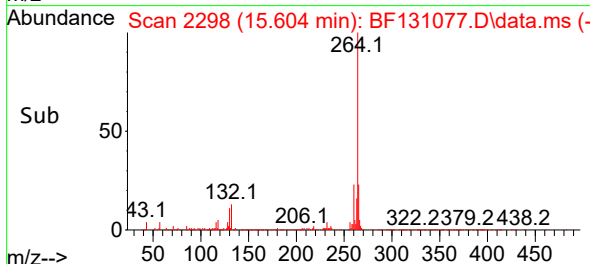
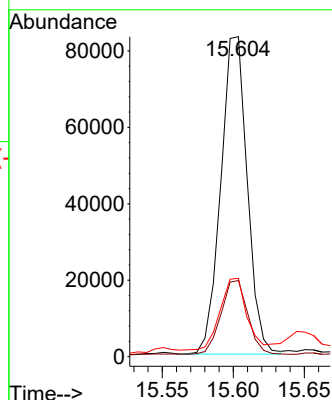
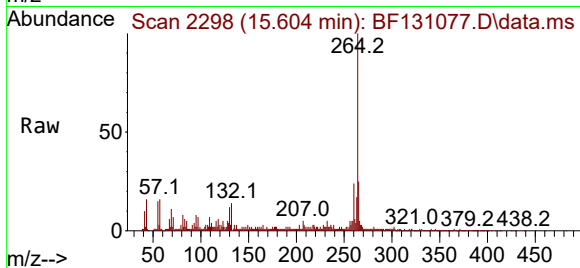
Tgt Ion:264 Resp: 107778

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 24.5 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.028 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.018 min

Lab File: BF131077.D

Acq: 08 Nov 2022 20:34

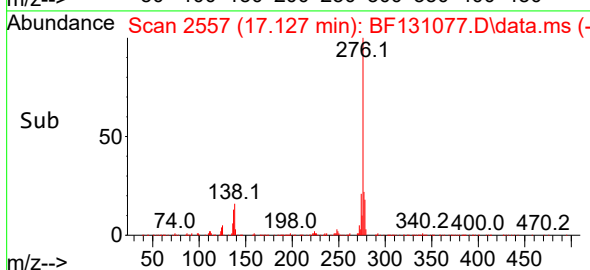
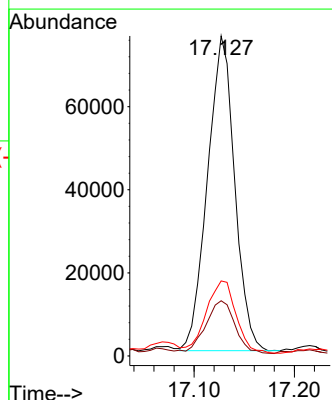
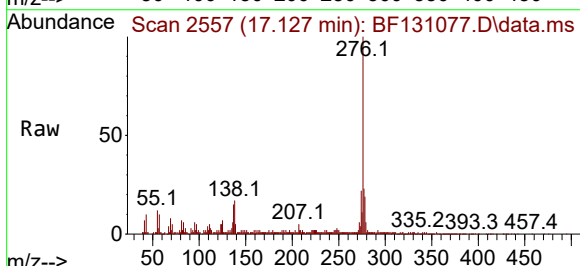
Tgt Ion:276 Resp: 142730

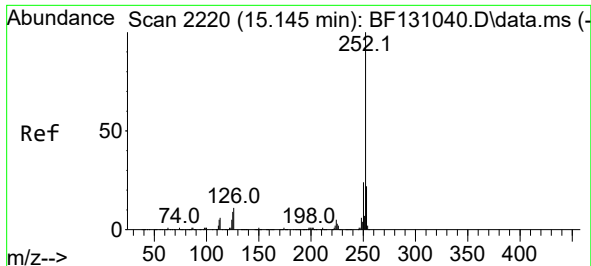
Ion Ratio Lower Upper

276 100

138 18.3 17.3 25.9

277 25.4 20.2 30.4

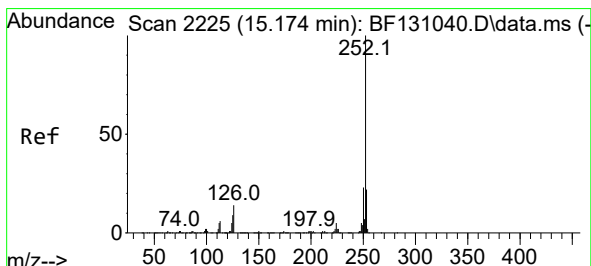
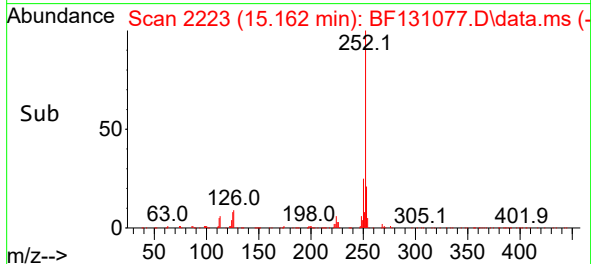
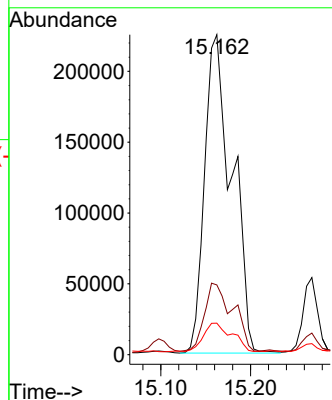
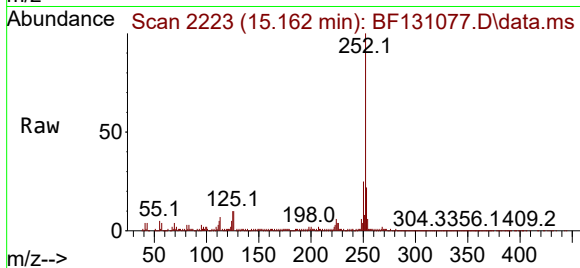




#88
Benzo(b)fluoranthene
Concen: 60.890 ng
RT: 15.162 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

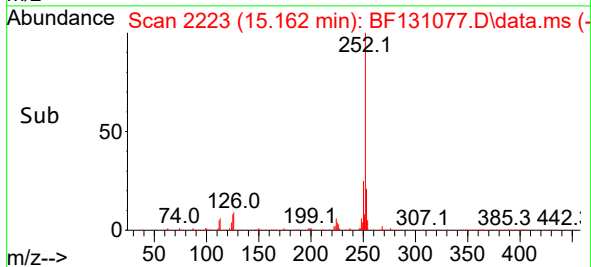
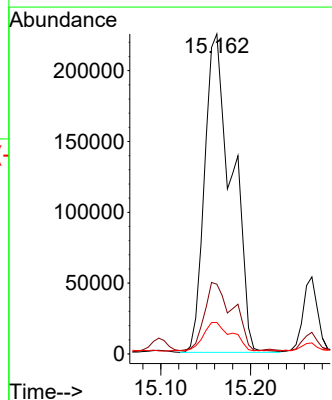
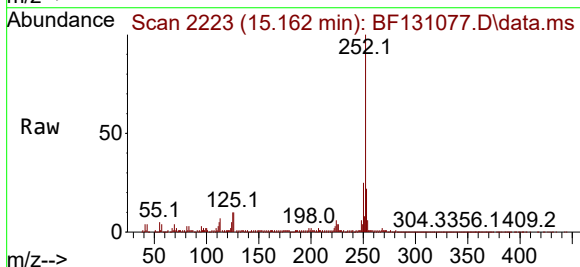
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

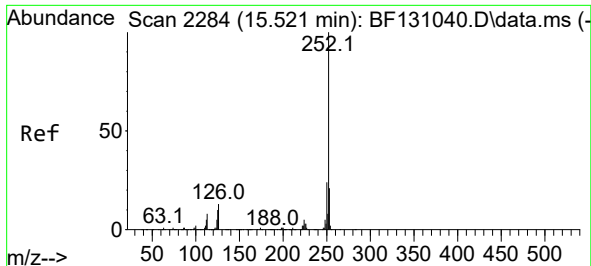
Tgt Ion:252 Resp: 476905
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 9.8 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 62.497 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.012 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Tgt Ion:252 Resp: 476905
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 9.8 7.2 10.8

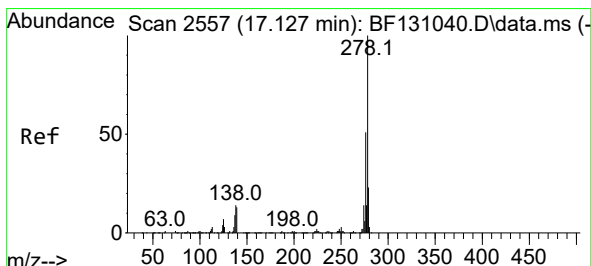
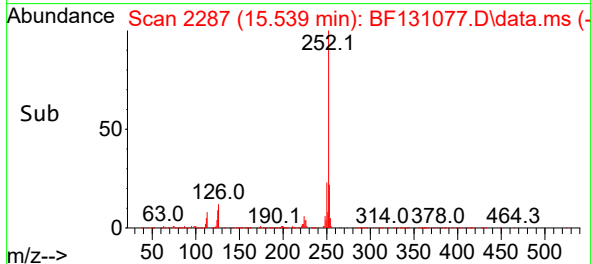
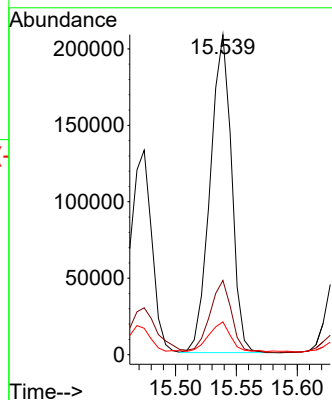
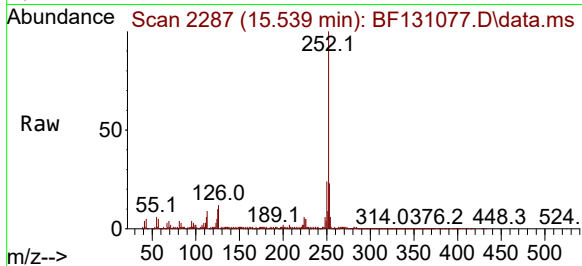




#90
Benzo(a)pyrene
Concen: 40.899 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

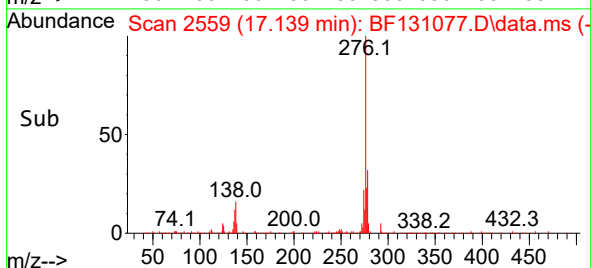
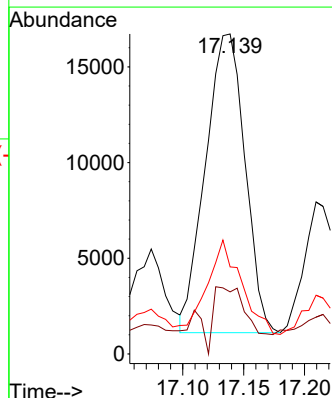
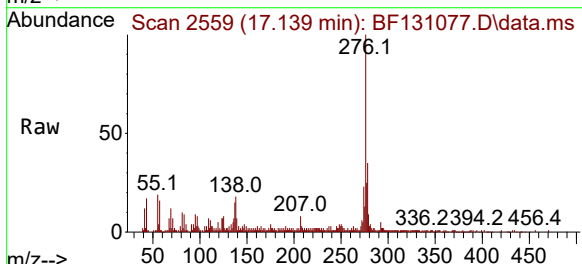
Instrument :
BNA_F
ClientSampleId :
OR-03-110422

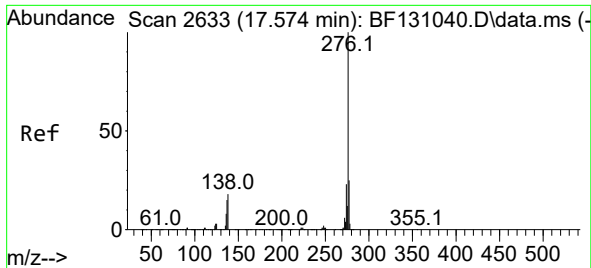
Tgt Ion:252 Resp: 254675
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 10.3 7.9 11.9



#91
Dibenzo(a,h)anthracene
Concen: 7.729 ng
RT: 17.139 min Scan# 2559
Delta R.T. 0.012 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

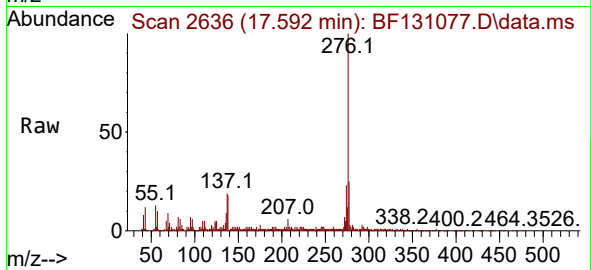
Tgt Ion:278 Resp: 35201
Ion Ratio Lower Upper
278 100
139 19.4 10.8 16.2#
279 27.2 18.7 28.1





#92
Benzo(g,h,i)perylene
Concen: 20.641 ng
RT: 17.592 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF131077.D
Acq: 08 Nov 2022 20:34

Instrument :
BNA_F
ClientSampleId :
OR-03-110422



Tgt Ion:276 Resp: 140203
Ion Ratio Lower Upper
276 100
277 25.1 20.0 30.0
138 17.8 14.8 22.2

