

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131434.D
 Acq On : 28 Nov 2022 17:42
 Operator : CG\JU
 Sample : N5752-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8D

Quant Time: Nov 29 00:57:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

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

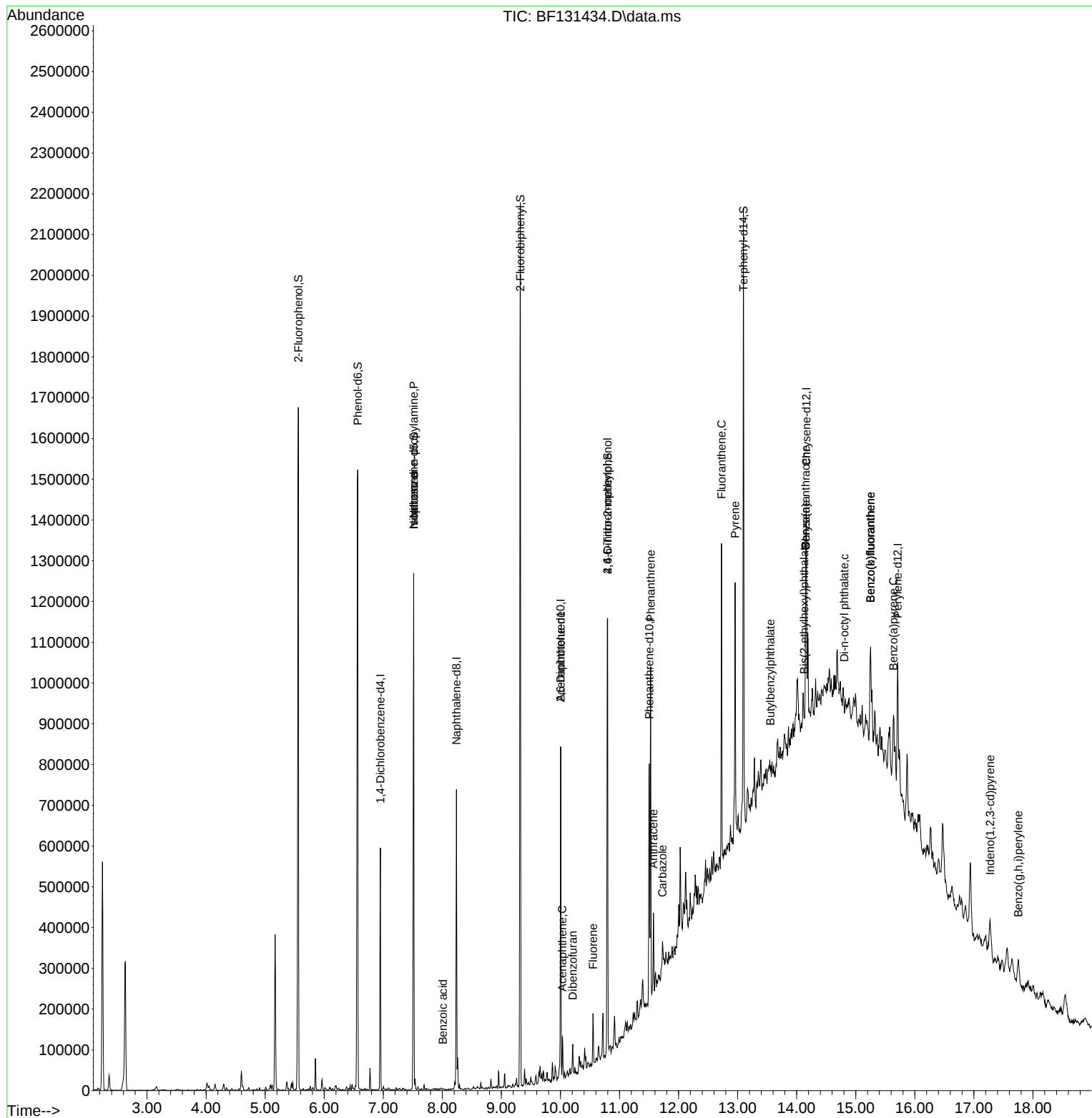
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	75101	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	267067	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	142457	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	221359	20.000	ng	0.00
76) Chrysene-d12	14.163	240	148088	20.000	ng	# 0.00
86) Perylene-d12	15.709	264	158468	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	402095	101.899	ng	0.00
7) Phenol-d6	6.569	99	511304	101.557	ng	0.00
23) Nitrobenzene-d5	7.516	82	349620	65.990	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	118160	98.590	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	619686	63.284	ng	0.00
79) Terphenyl-d14	13.098	244	489976	54.106	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.498	77	391	Below Cal	#	21
19) n-Nitroso-di-n-propyla...	7.516	70	49315	13.380	ng	# 76
25) Isophorone	7.516	82	348472	36.867	ng	# 68
32) Benzoic acid	8.010	122	423	5.345	ng	# 11
51) 2,6-Dinitrotoluene	10.004	165	20395	10.275	ng	# 15
52) Acenaphthene	10.033	154	17770	2.135	ng	98
55) Dibenzofuran	10.210	168	24241	2.024	ng	99
58) Fluorene	10.551	166	29483	3.154	ng	97
65) 4,6-Dinitro-2-methylph...	10.798	198	360	4.999	ng	# 1
71) Phenanthrene	11.527	178	275781	23.053	ng	100
72) Anthracene	11.574	178	72148	6.137	ng	99
73) Carbazole	11.727	167	21718	2.166	ng	94
75) Fluoranthene	12.727	202	282346	22.398	ng	98
78) Pyrene	12.957	202	247086	18.911	ng	98
80) Butylbenzylphthalate	13.557	149	1753	4.508	ng	# 26
81) Benzo(a)anthracene	14.151	228	114299	11.260	ng	96
83) Chrysene	14.151	228	114299	11.477	ng	97
84) Bis(2-ethylhexyl)phtha...	14.127	149	2353	4.121	ng	# 41
85) Di-n-octyl phthalate	14.804	149	3279	4.354	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.274	276	61273	5.757	ng	94
88) Benzo(b)fluoranthene	15.251	252	161513	15.342	ng	# 89
89) Benzo(k)fluoranthene	15.251	252	161513	14.929	ng	# 90
90) Benzo(a)pyrene	15.639	252	97234	11.257	ng	# 88
92) Benzo(g,h,i)perylene	17.750	276	56848	6.482	ng	96

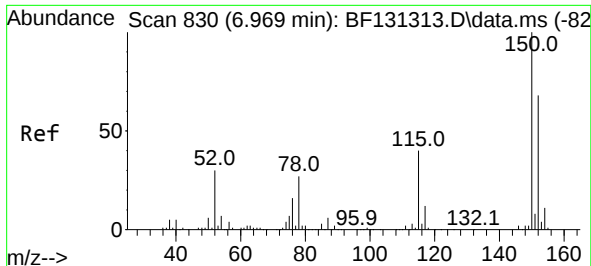
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Nov 29 00:57:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
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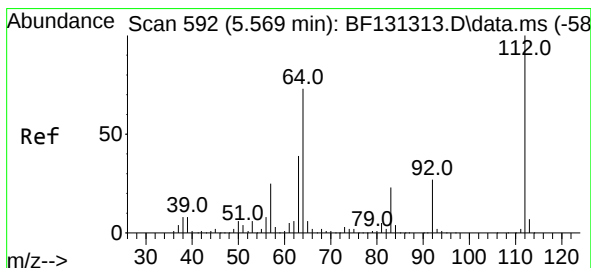
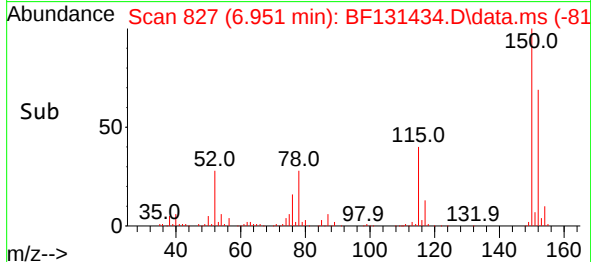
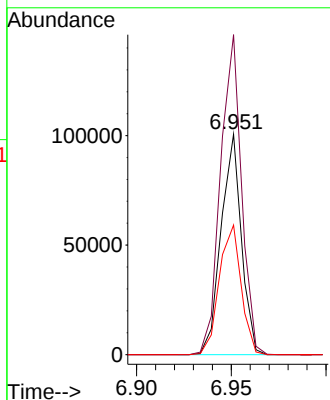
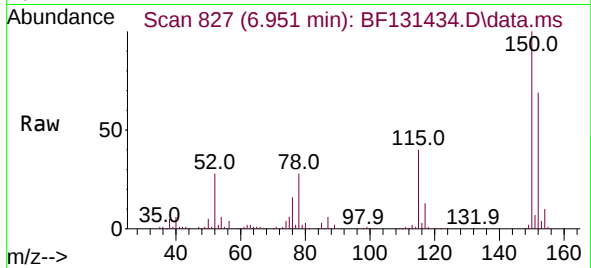




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

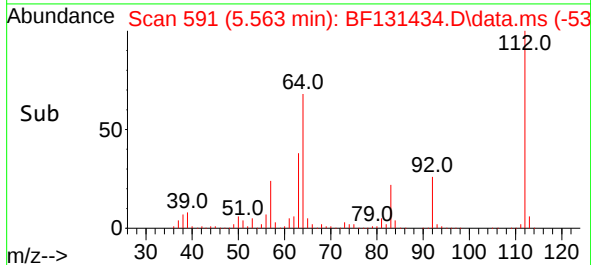
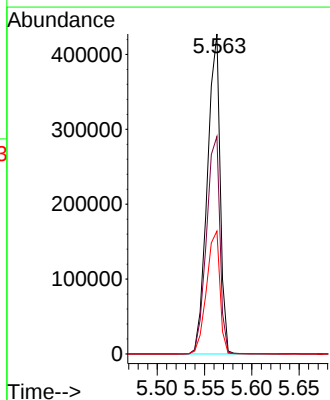
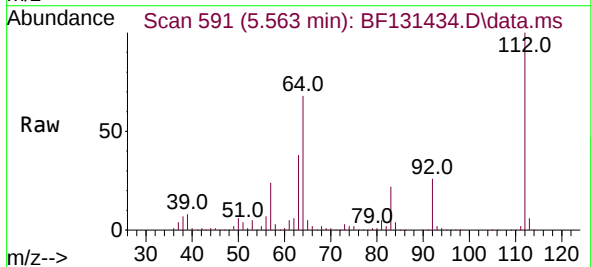
Instrument :
BNA_F
ClientSampleId :
B-8D

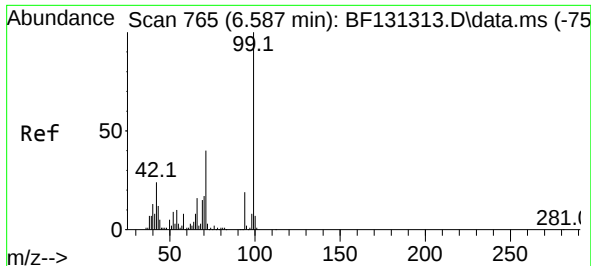
Tgt Ion:152 Resp: 75101
Ion Ratio Lower Upper
152 100
150 145.1 117.8 176.8
115 58.8 47.1 70.7



#5
2-Fluorophenol
Concen: 101.899 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:112 Resp: 402095
Ion Ratio Lower Upper
112 100
64 68.0 58.6 88.0
63 38.4 31.4 47.0

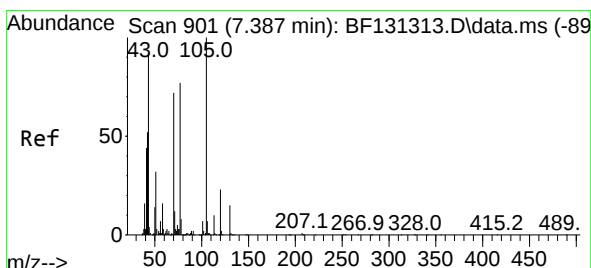
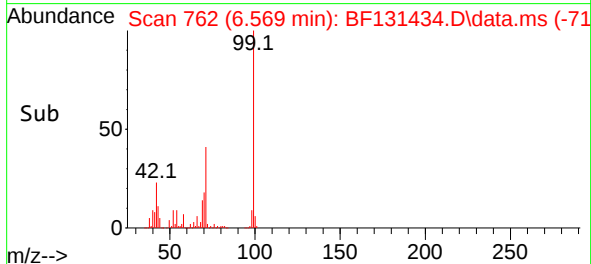
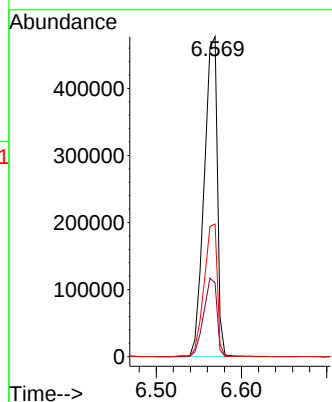
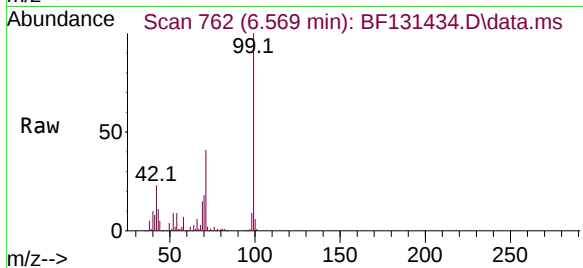




#7
Phenol-d6
Concen: 101.557 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

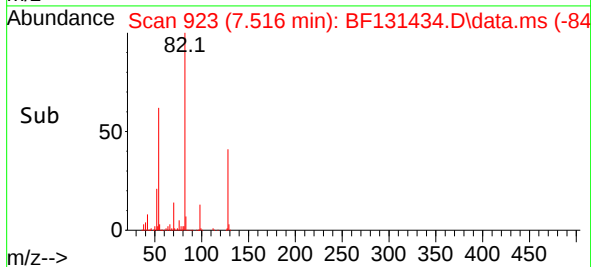
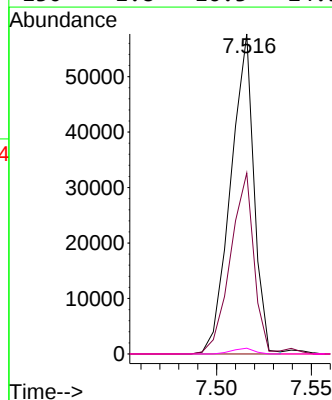
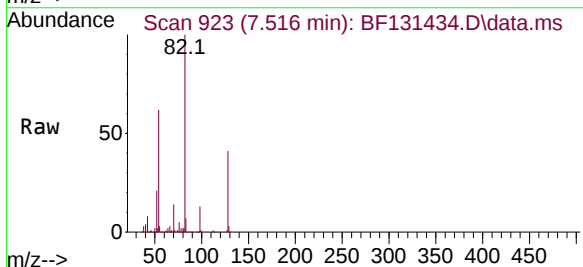
Instrument :
BNA_F
ClientSampleId :
B-8D

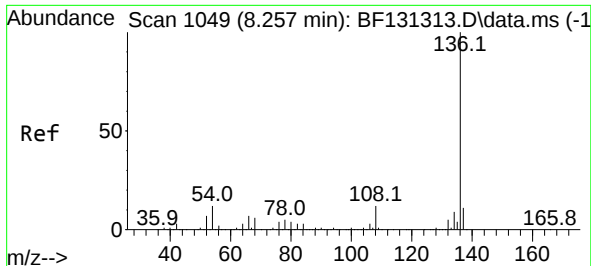
Tgt Ion: 99 Resp: 511304
Ion Ratio Lower Upper
99 100
42 23.0 19.4 29.2
71 41.4 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.380 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion: 70 Resp: 49315
Ion Ratio Lower Upper
70 100
42 56.6 57.6 86.4#
101 0.0 8.2 12.2#
130 1.8 16.3 24.5#



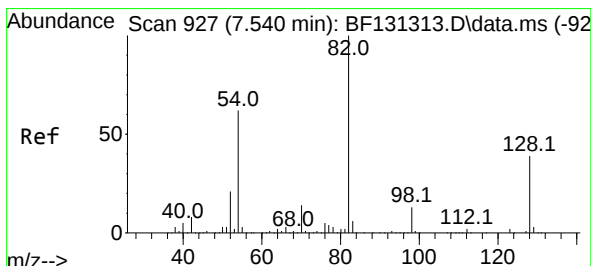
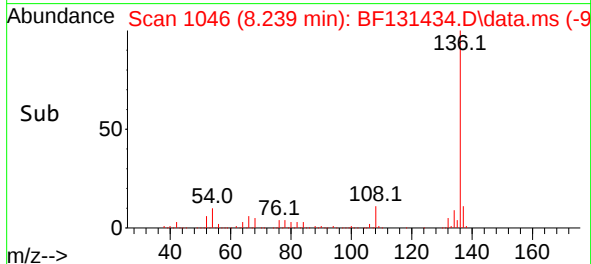
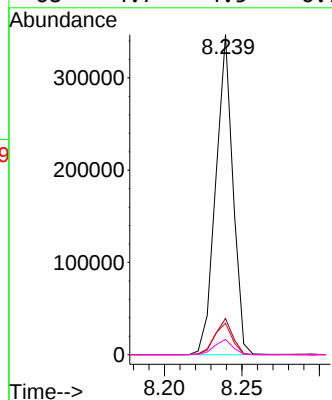
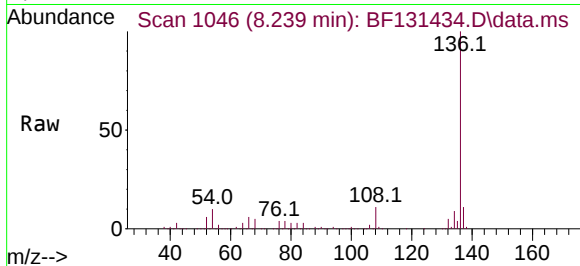


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Instrument :
BNA_F
ClientSampleId :
B-8D

Tgt Ion:136 Resp: 267067

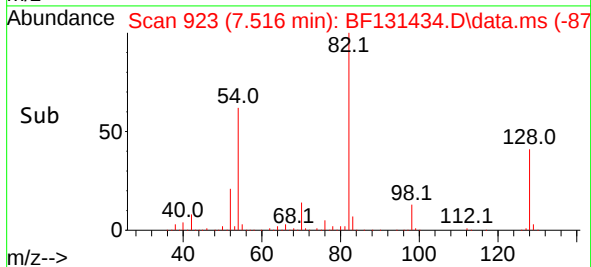
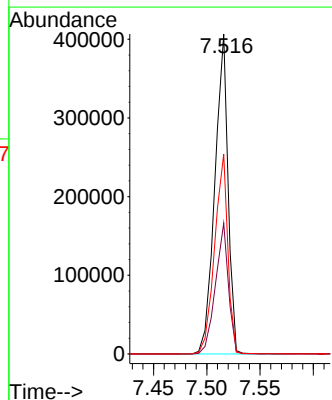
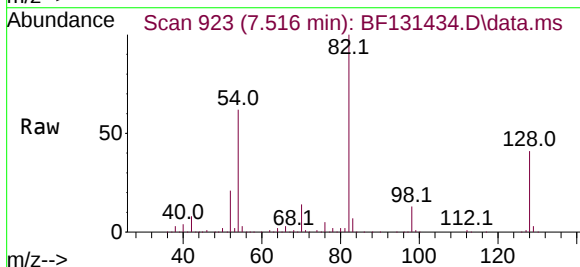
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	9.9	9.4	14.0
68	4.7	4.5	6.7

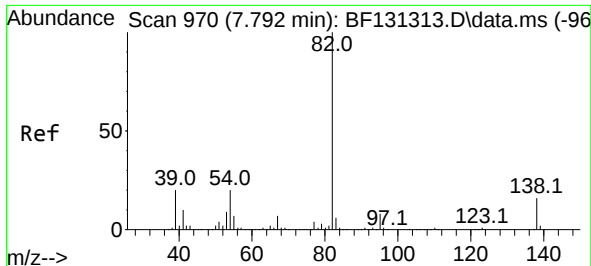


#23
Nitrobenzene-d5
Concen: 65.990 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion: 82 Resp: 349620

Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.4	47.0
54	62.5	49.8	74.6

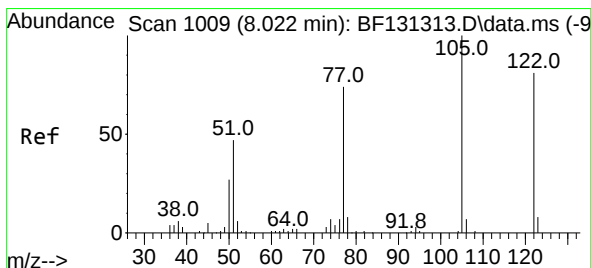
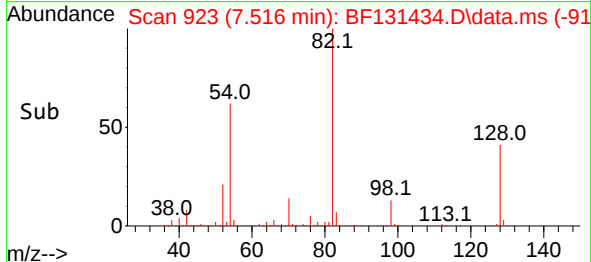
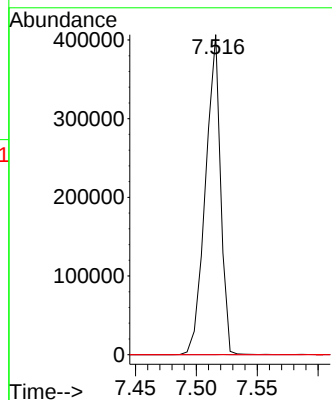
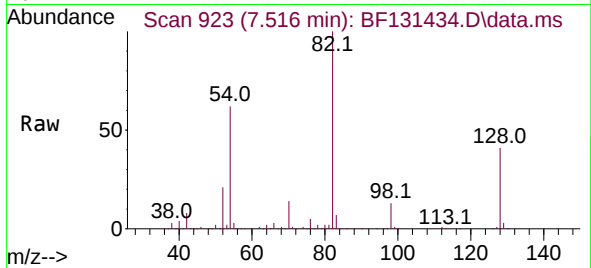




#25
Isophorone
Concen: 36.867 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

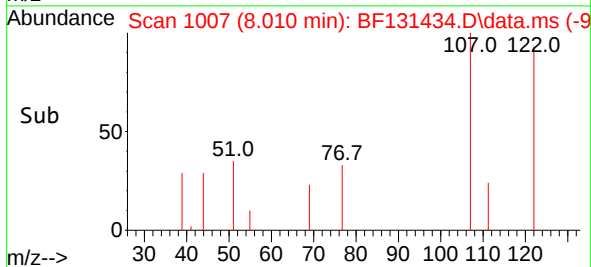
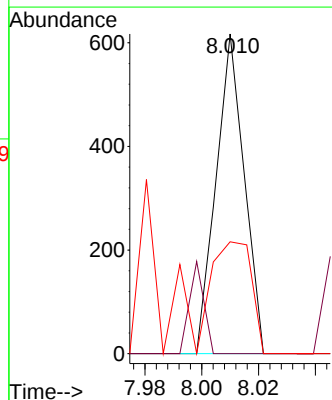
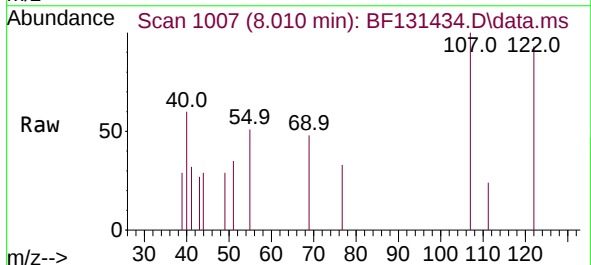
Instrument :
BNA_F
ClientSampleId :
B-8D

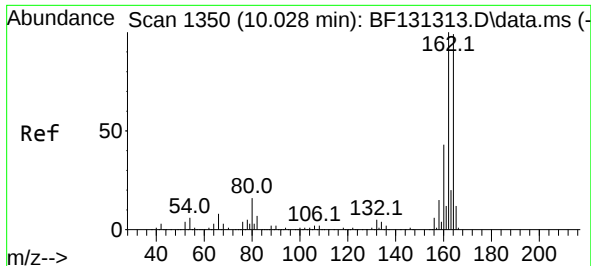
Tgt Ion: 82 Resp: 348472
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.345 ng
RT: 8.010 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion: 122 Resp: 423
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 35.0 74.3 114.3#

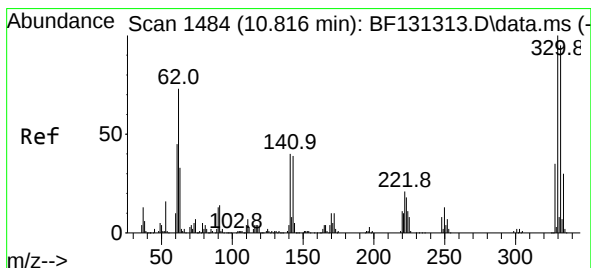
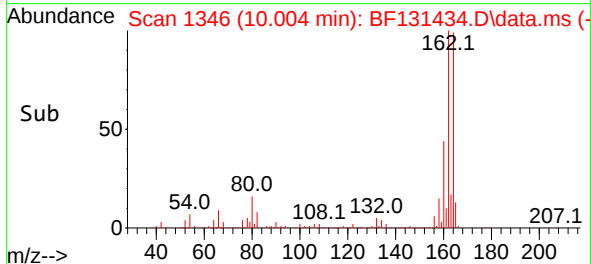
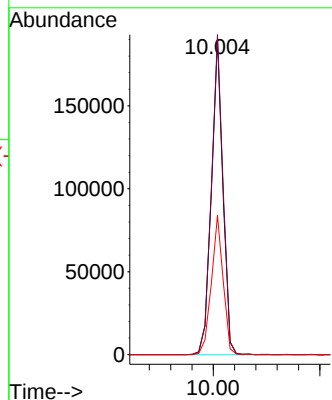
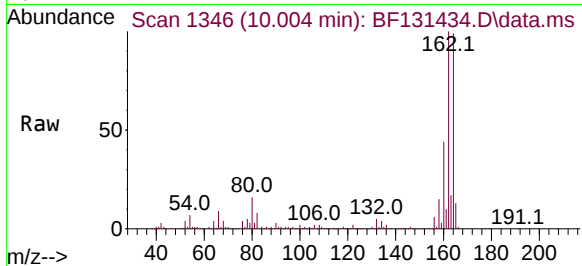




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

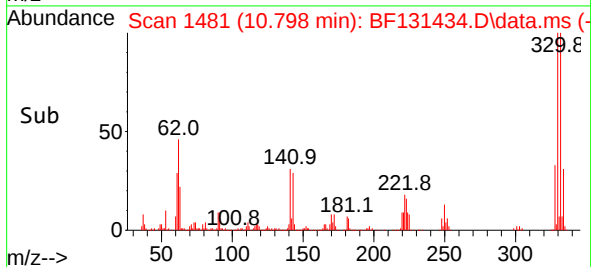
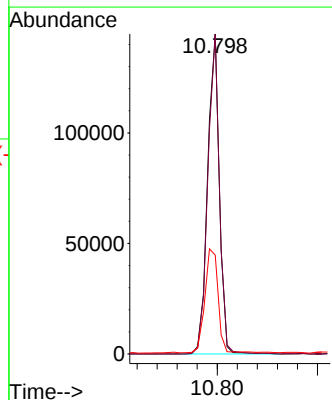
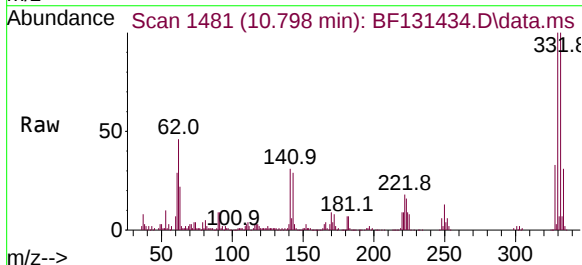
Instrument :
BNA_F
ClientSampleId :
B-8D

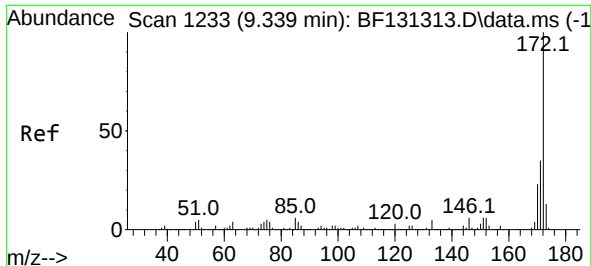
Tgt Ion:164 Resp: 142457
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.0 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 98.590 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:330 Resp: 118160
Ion Ratio Lower Upper
330 100
332 98.6 77.5 116.3
141 36.9 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 63.284 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

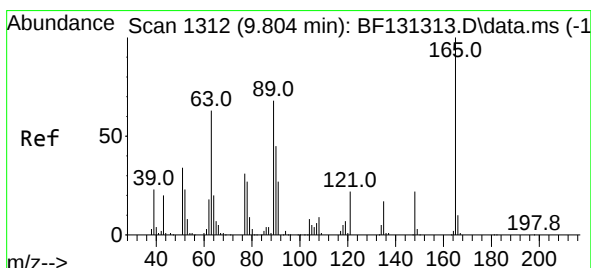
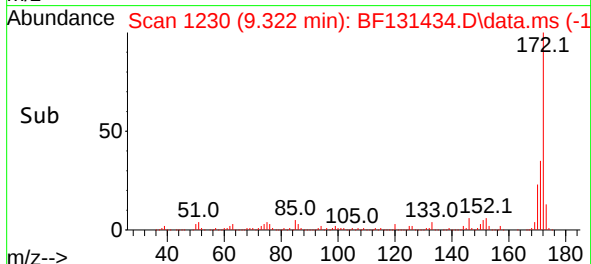
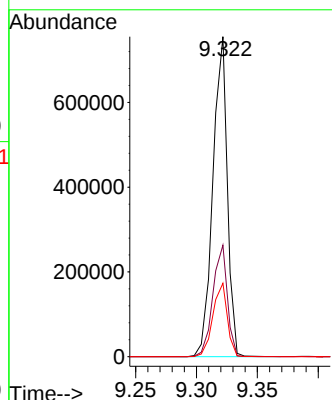
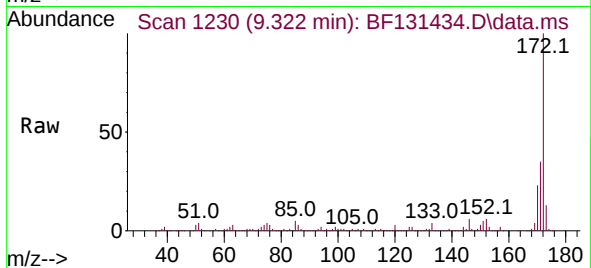
Tgt Ion:172 Resp: 619686

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.0 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 10.275 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

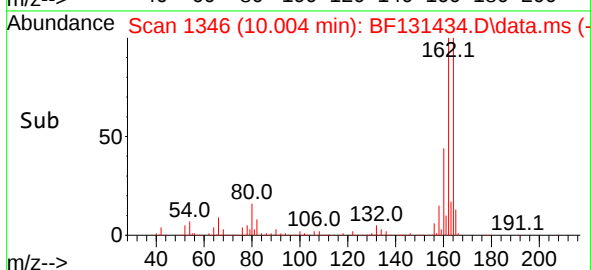
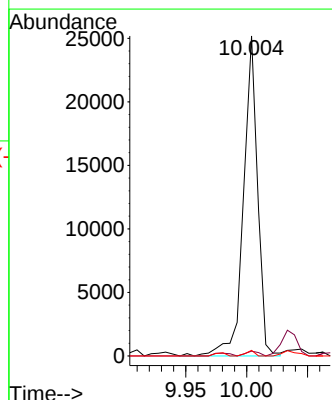
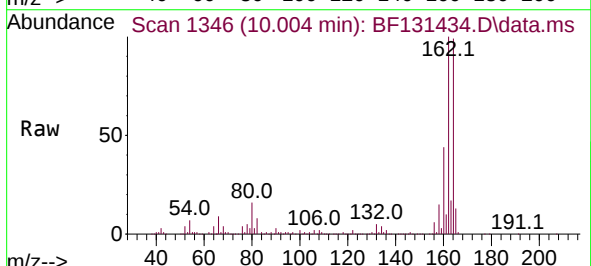
Tgt Ion:165 Resp: 20395

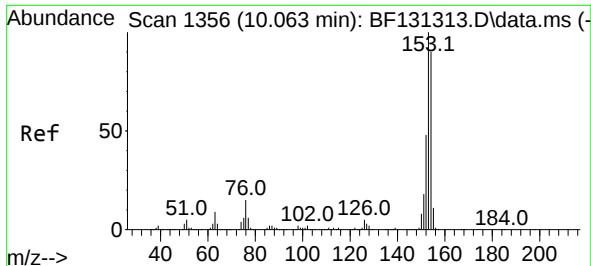
Ion Ratio Lower Upper

165 100

63 1.5 62.0 93.0#

89 1.7 54.4 81.6#

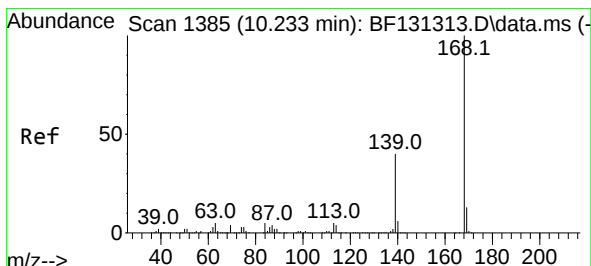
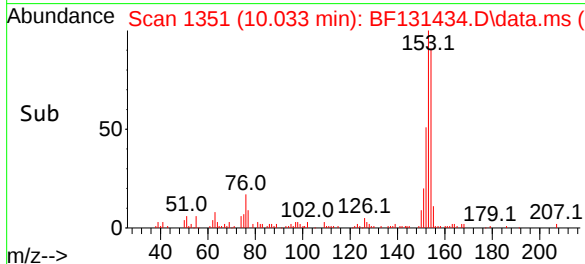
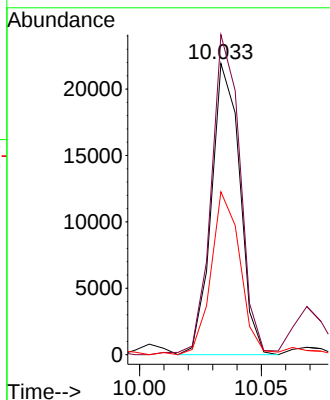
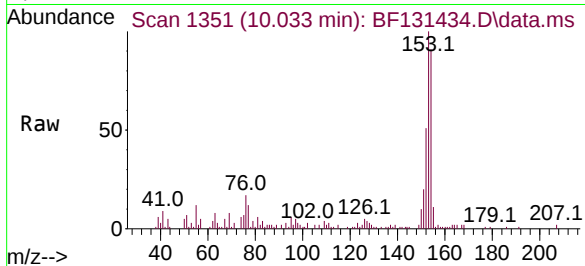




#52
Acenaphthene
Concen: 2.135 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

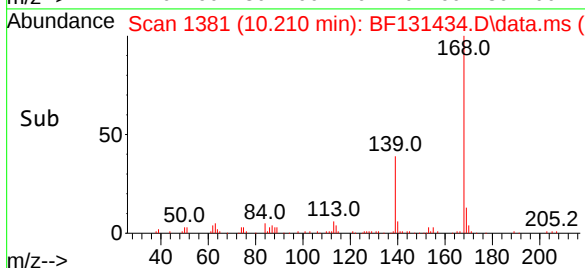
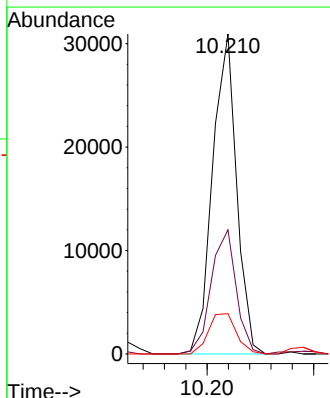
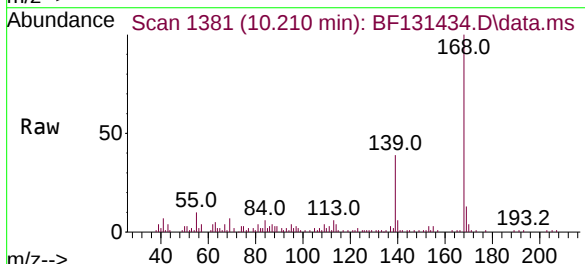
Instrument :
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B-8D

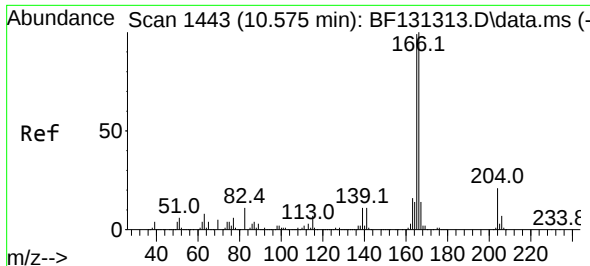
Tgt Ion:154 Resp: 17770
Ion Ratio Lower Upper
154 100
153 109.9 88.4 132.6
152 55.9 42.8 64.2



#55
Dibenzofuran
Concen: 2.024 ng
RT: 10.210 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:168 Resp: 24241
Ion Ratio Lower Upper
168 100
139 38.8 31.7 47.5
169 12.6 10.6 15.8

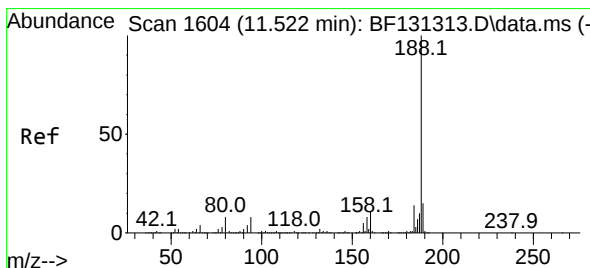
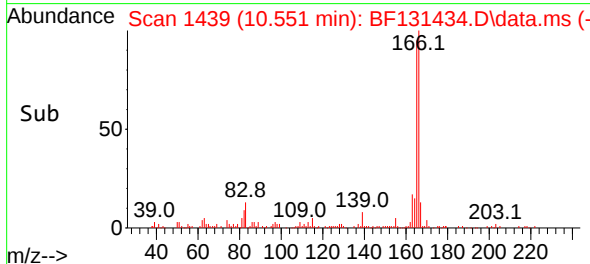
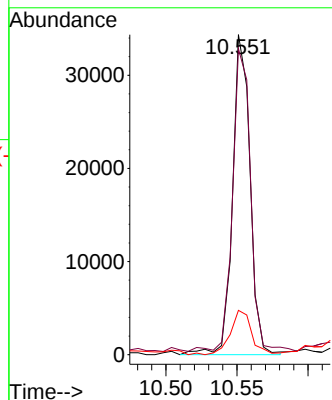
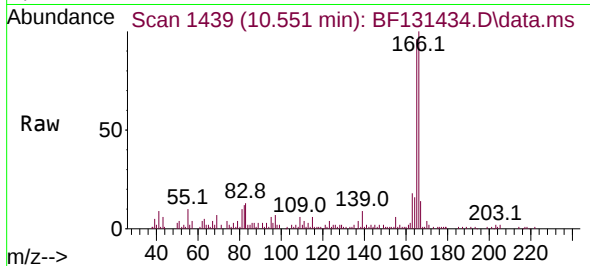




#58
Fluorene
Concen: 3.154 ng
RT: 10.551 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

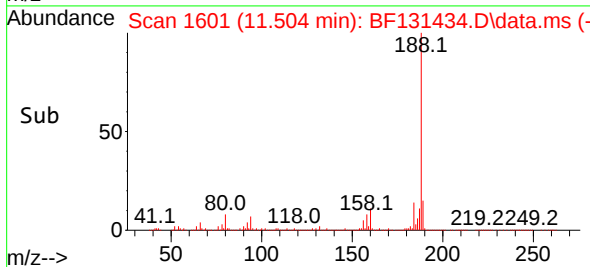
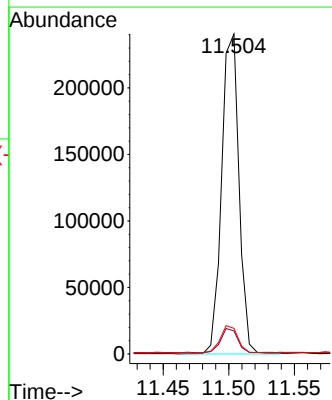
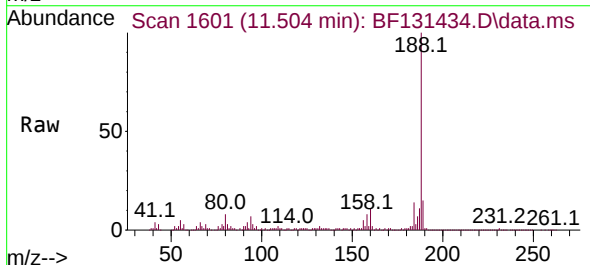
Instrument :
BNA_F
ClientSampleId :
B-8D

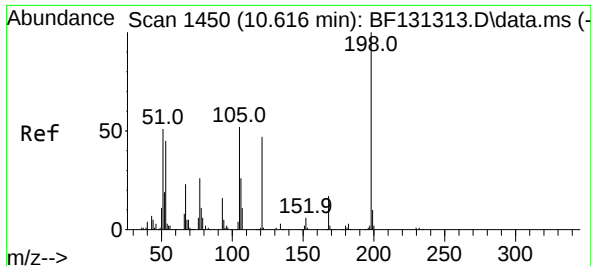
Tgt Ion:166 Resp: 29483
Ion Ratio Lower Upper
166 100
165 95.6 79.0 118.4
167 13.9 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:188 Resp: 221359
Ion Ratio Lower Upper
188 100
94 7.2 6.3 9.5
80 8.0 6.8 10.2

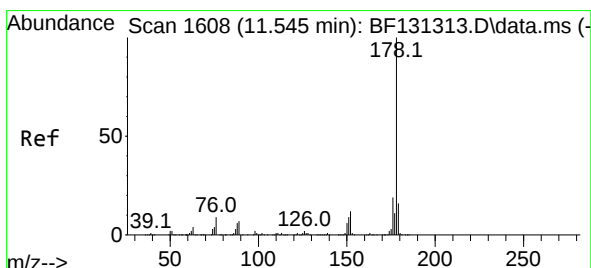
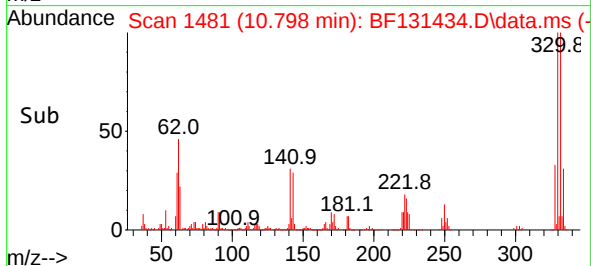
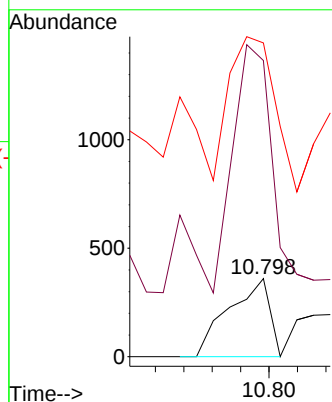
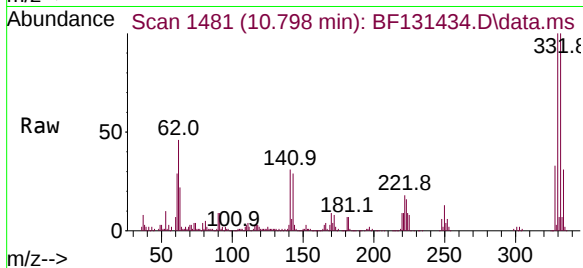




#65
4,6-Dinitro-2-methylphenol
Concen: 4.999 ng
RT: 10.798 min Scan# 1450
Delta R.T. 0.194 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

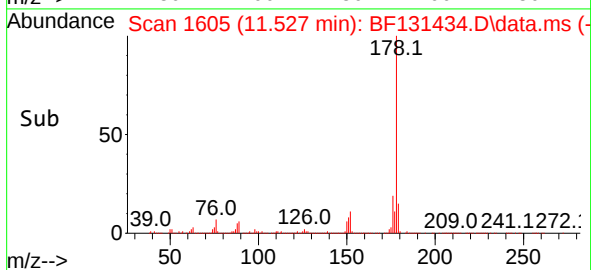
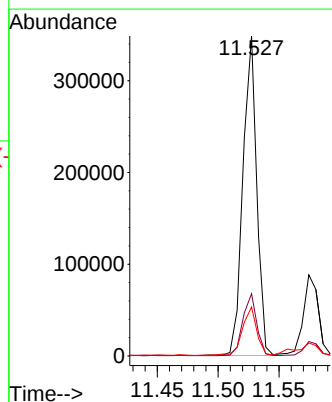
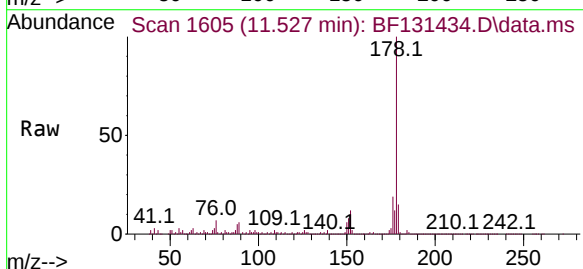
Instrument :
BNA_F
ClientSampleId :
B-8D

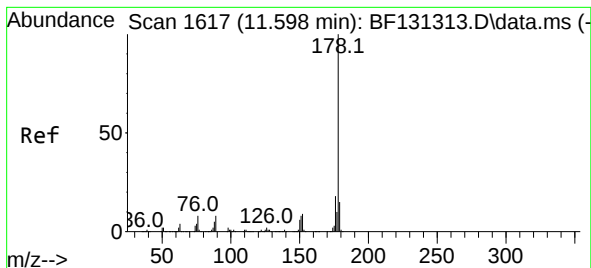
Tgt Ion:198 Resp: 360
Ion Ratio Lower Upper
198 100
51 379.2 50.1 90.1#
105 401.7 32.5 72.5#



#71
Phenanthrene
Concen: 23.053 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:178 Resp: 275781
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.4 18.6





#72

Anthracene

Concen: 6.137 ng

RT: 11.574 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

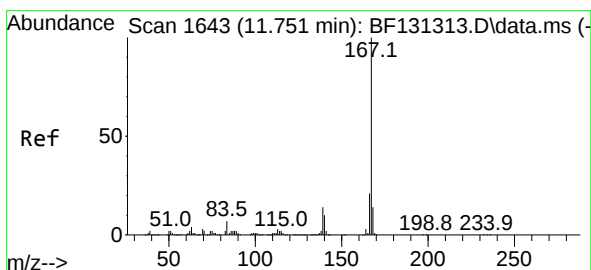
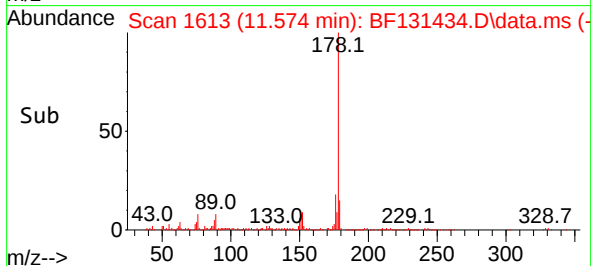
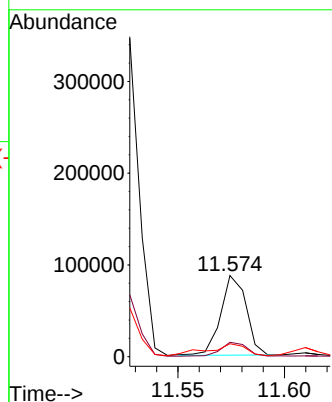
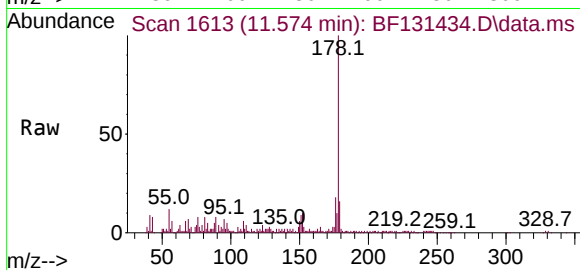
Tgt Ion:178 Resp: 72148

Ion Ratio Lower Upper

178 100

176 17.8 14.7 22.1

179 16.0 12.2 18.4



#73

Carbazole

Concen: 2.166 ng

RT: 11.727 min Scan# 1639

Delta R.T. -0.012 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

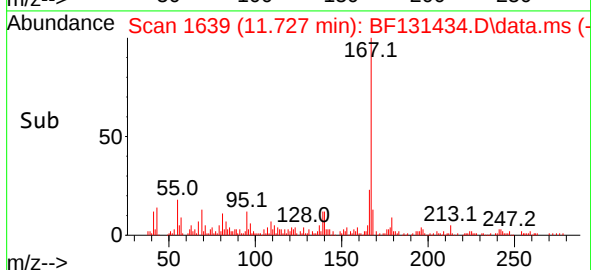
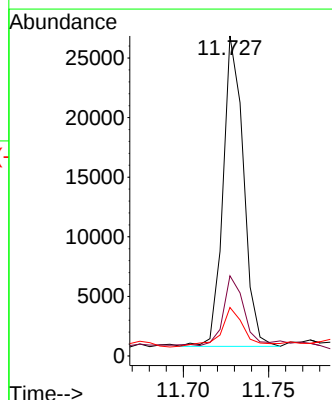
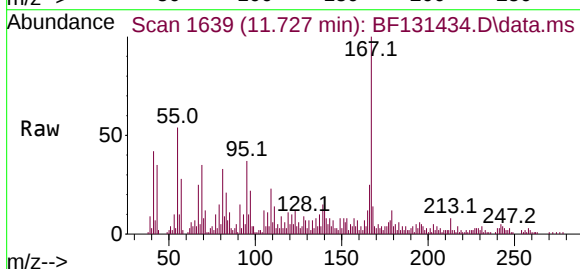
Tgt Ion:167 Resp: 21718

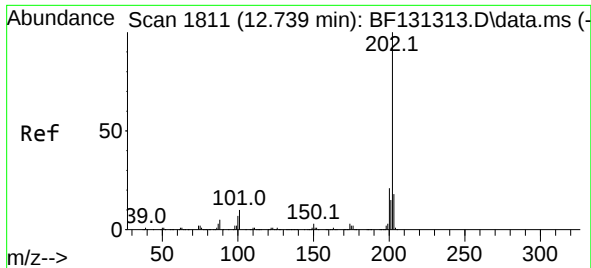
Ion Ratio Lower Upper

167 100

166 25.0 17.0 25.6

139 15.1 10.8 16.2

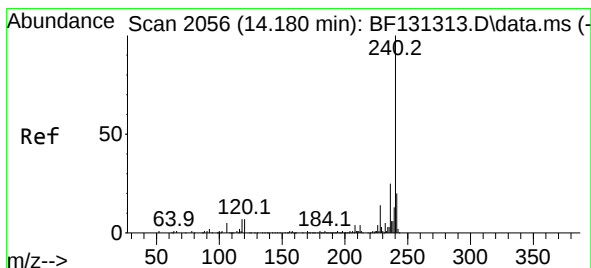
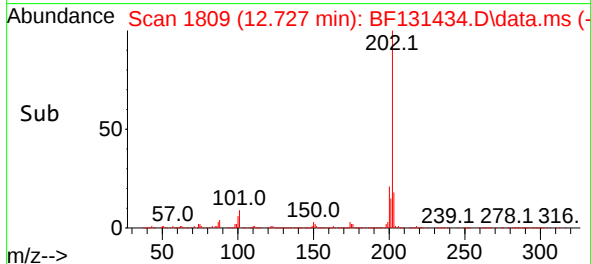
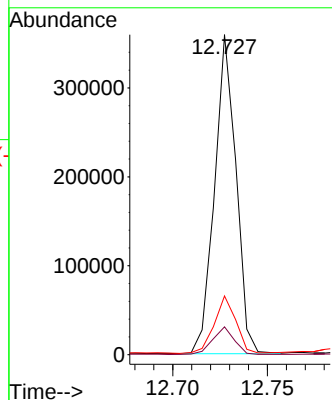
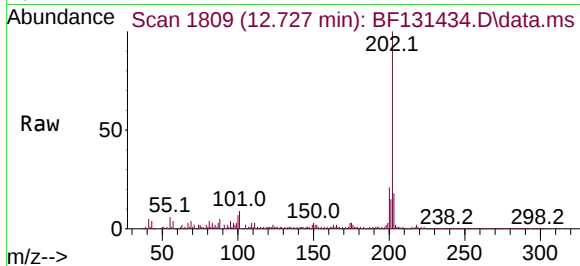




#75
Fluoranthene
Concen: 22.398 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

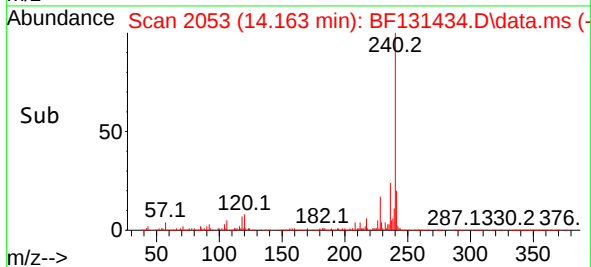
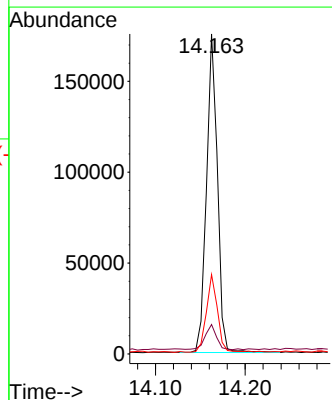
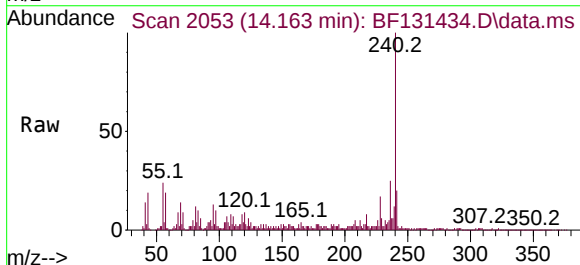
Instrument :
BNA_F
ClientSampleId :
B-8D

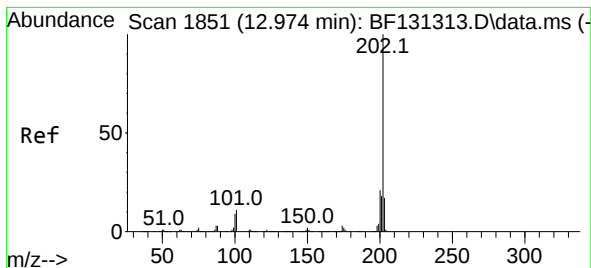
Tgt Ion:202 Resp: 282346
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.6
203 18.3 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:240 Resp: 148088
Ion Ratio Lower Upper
240 100
120 9.2 5.8 8.8#
236 24.8 20.3 30.5





#78

Pyrene

Concen: 18.911 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

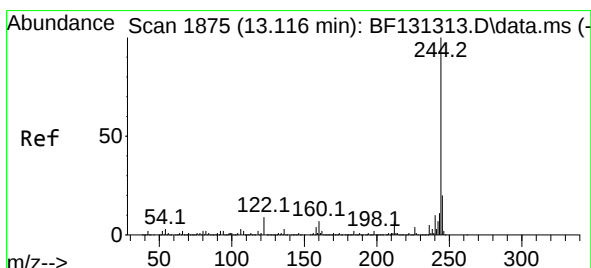
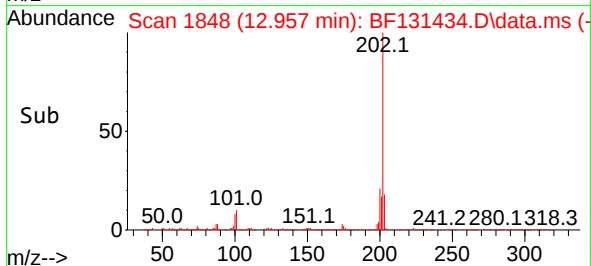
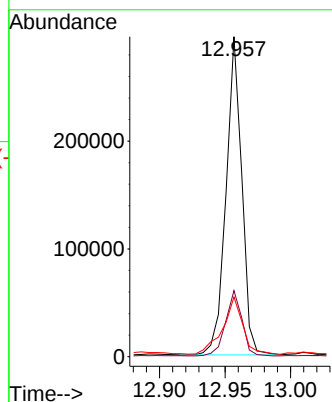
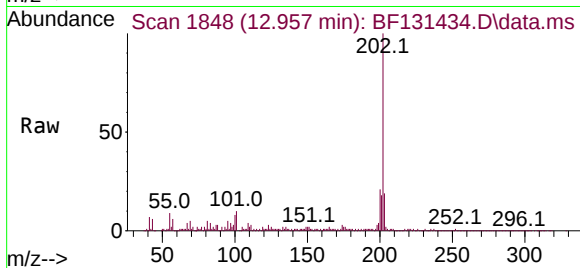
Tgt Ion:202 Resp: 247086

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 18.7 13.9 20.9



#79

Terphenyl-d14

Concen: 54.106 ng

RT: 13.098 min Scan# 1872

Delta R.T. -0.006 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

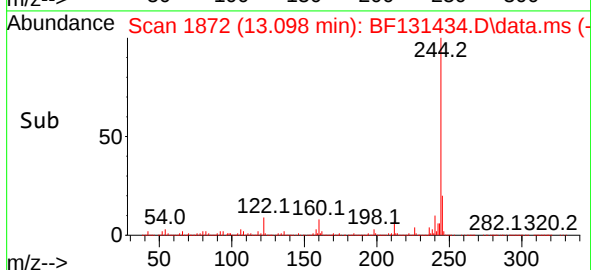
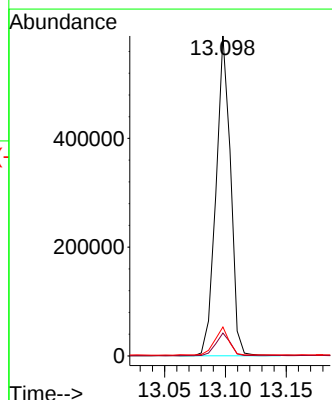
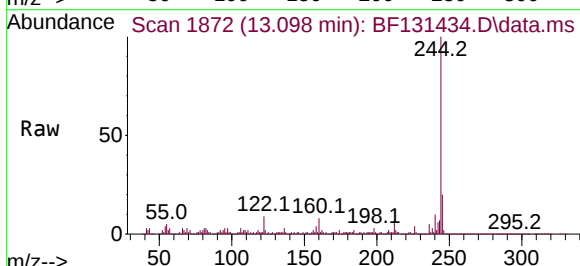
Tgt Ion:244 Resp: 489976

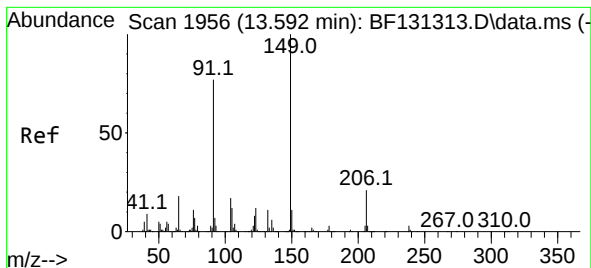
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 9.1 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.508 ng

RT: 13.557 min Scan# 1950

Delta R.T. -0.024 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

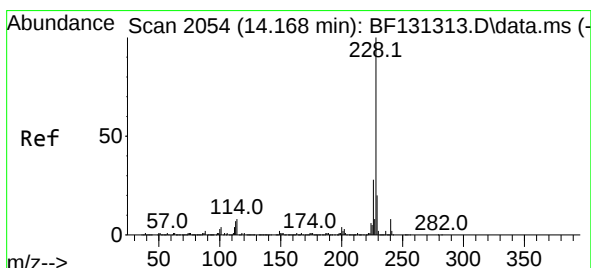
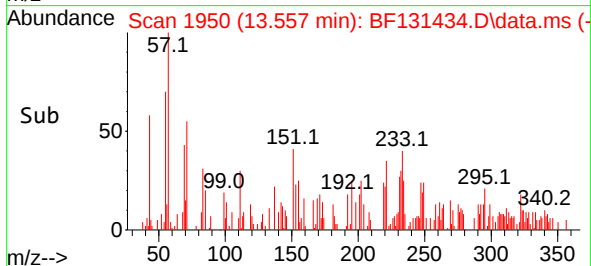
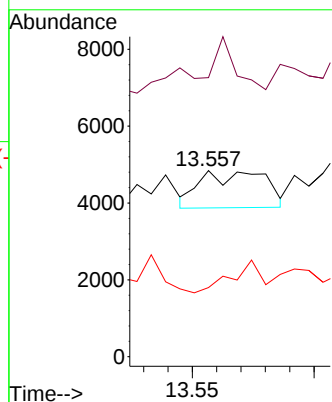
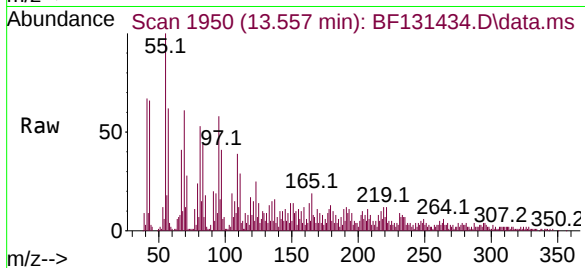
Tgt Ion:149 Resp: 1753

Ion Ratio Lower Upper

149 100

91 149.9 61.9 92.9#

206 37.2 16.5 24.7#



#81

Benzo(a)anthracene

Concen: 11.260 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

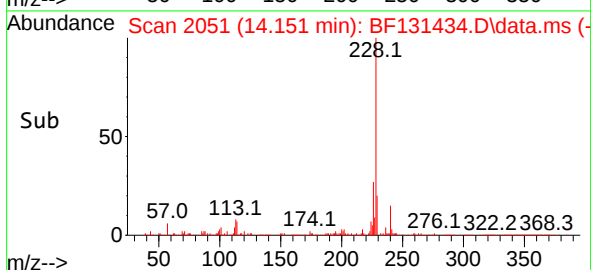
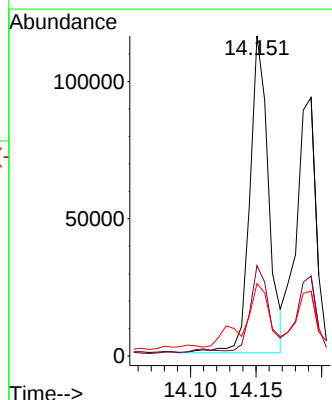
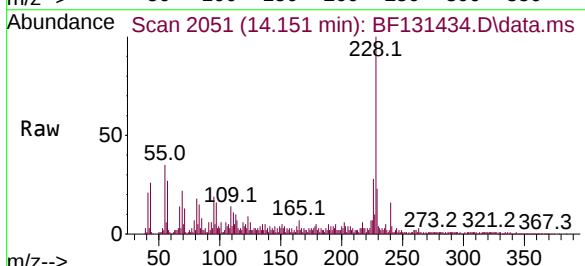
Tgt Ion:228 Resp: 114299

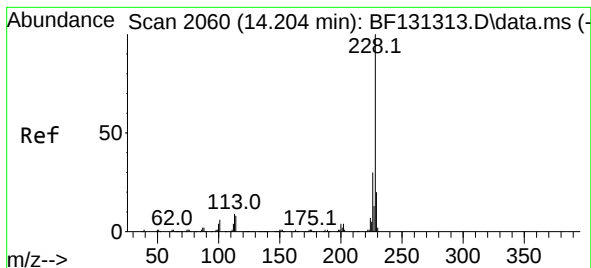
Ion Ratio Lower Upper

228 100

226 28.3 22.0 33.0

229 22.6 15.7 23.5





#83

Chrysene

Concen: 11.477 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.041 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

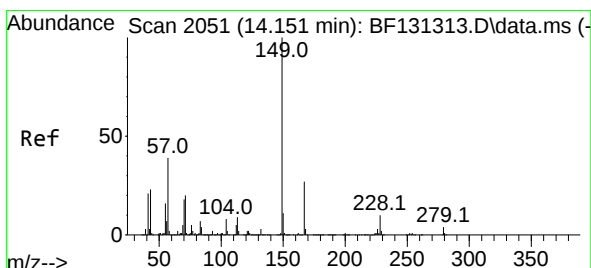
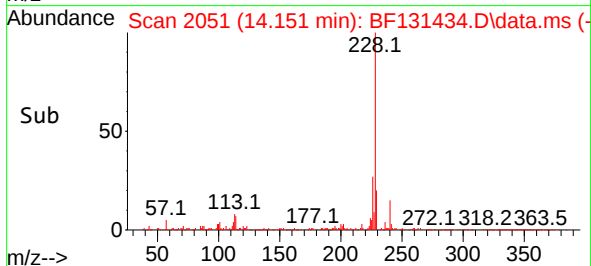
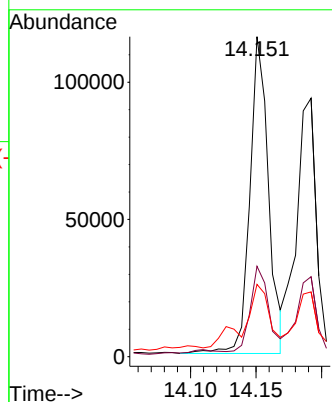
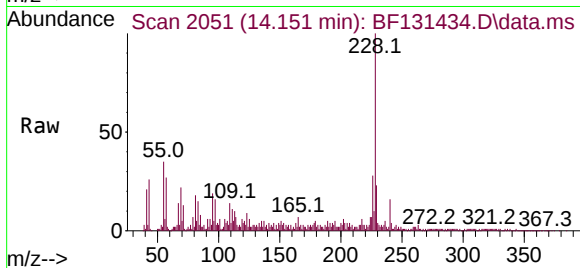
Tgt Ion:228 Resp: 114299

Ion Ratio Lower Upper

228 100

226 28.3 23.7 35.5

229 22.6 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.121 ng

RT: 14.127 min Scan# 2047

Delta R.T. -0.012 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

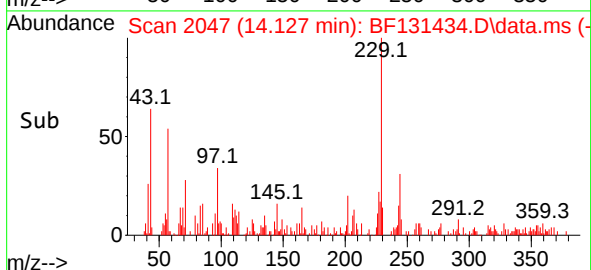
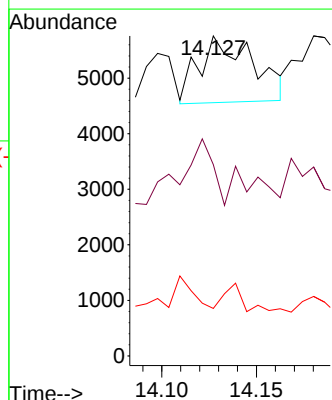
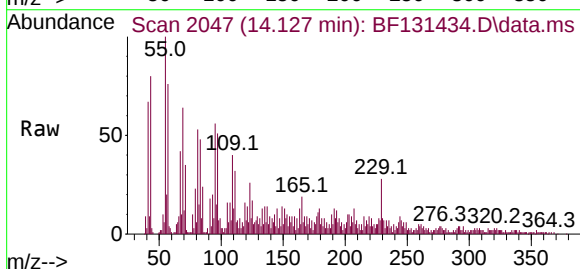
Tgt Ion:149 Resp: 2353

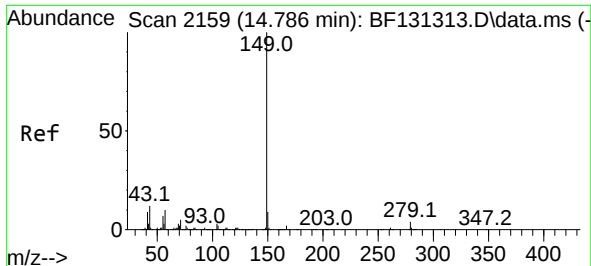
Ion Ratio Lower Upper

149 100

167 59.8 21.9 32.9#

279 14.8 3.0 4.4#

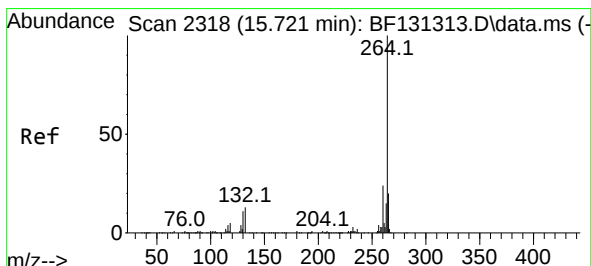
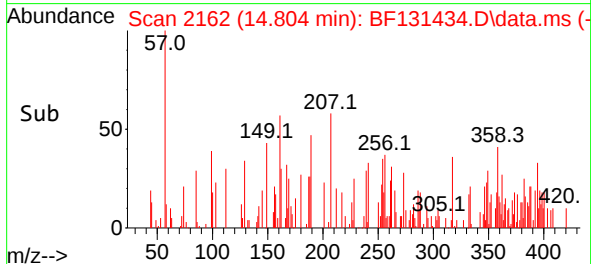
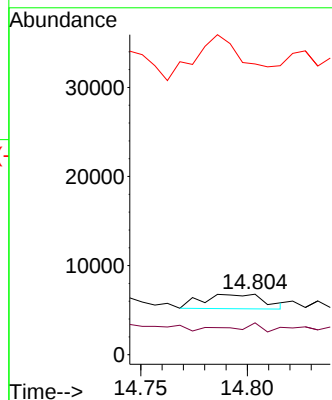
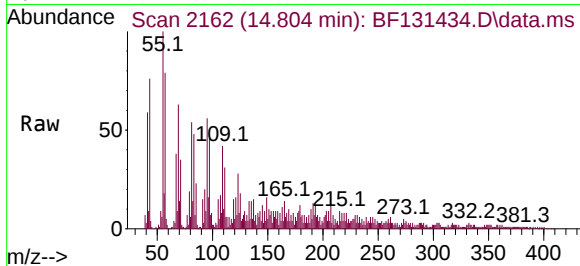




#85
Di-n-octyl phthalate
Concen: 4.354 ng
RT: 14.804 min Scan# 2159
Delta R.T. 0.041 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

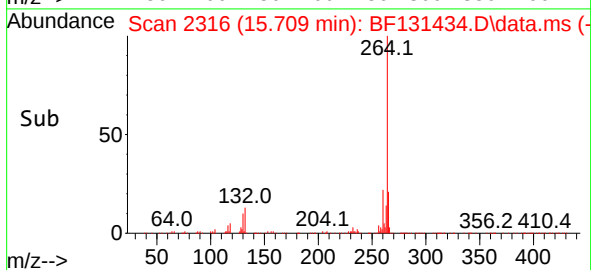
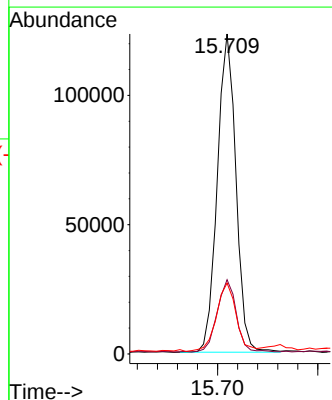
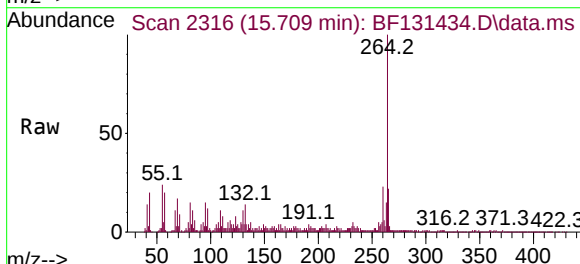
Instrument :
BNA_F
ClientSampleId :
B-8D

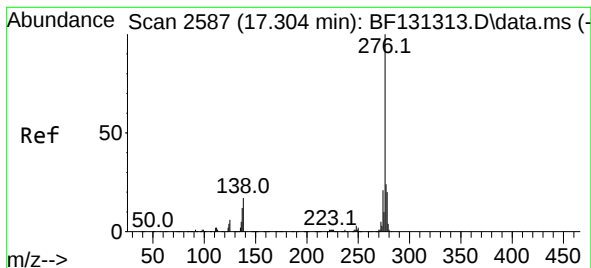
Tgt Ion:149 Resp: 3279
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 242.1 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.709 min Scan# 2316
Delta R.T. 0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Tgt Ion:264 Resp: 158468
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 22.1 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.757 ng

RT: 17.274 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

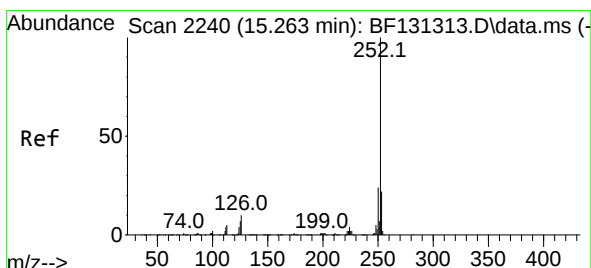
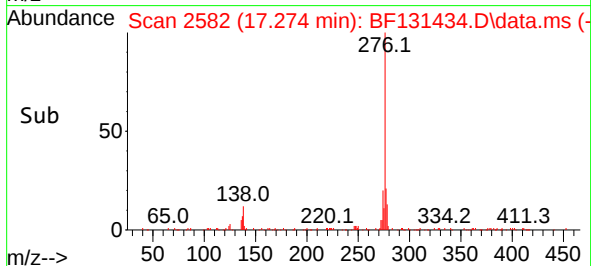
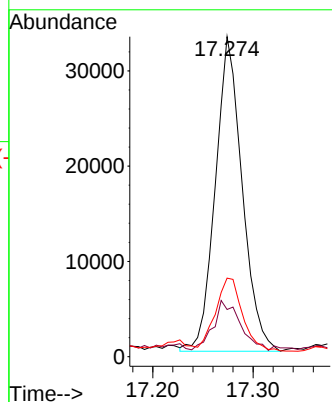
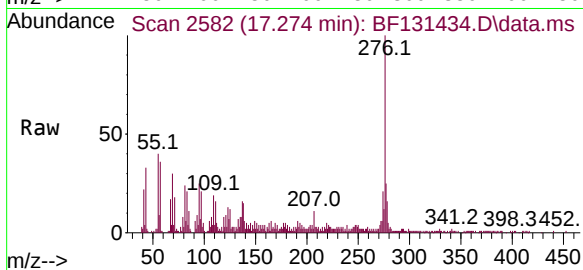
Tgt Ion:276 Resp: 61273

Ion Ratio Lower Upper

276 100

138 15.9 15.8 23.6

277 23.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.342 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.006 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

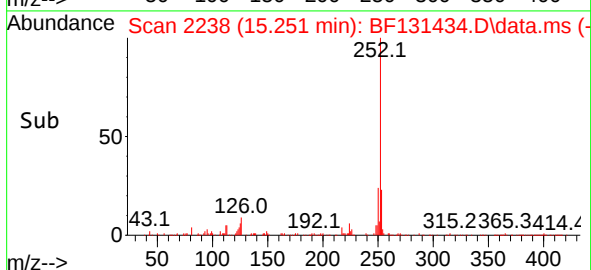
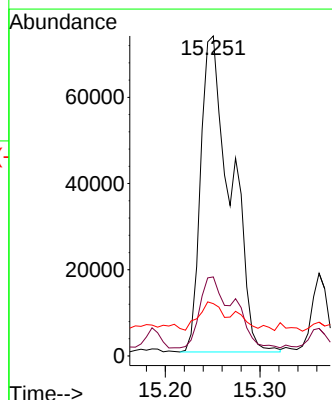
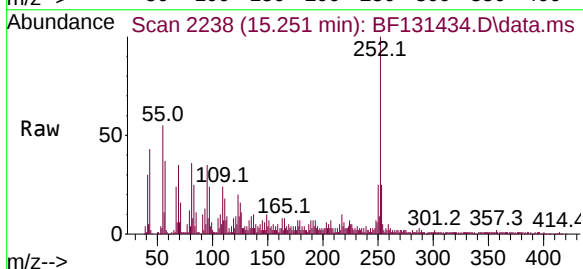
Tgt Ion:252 Resp: 161513

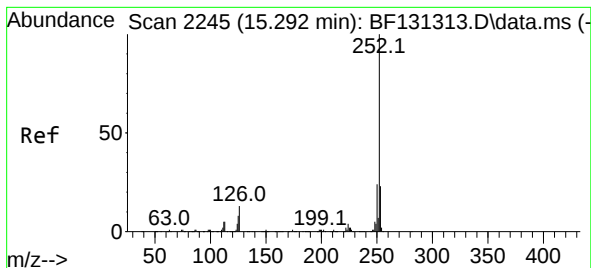
Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

125 16.4 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 14.929 ng

RT: 15.251 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D

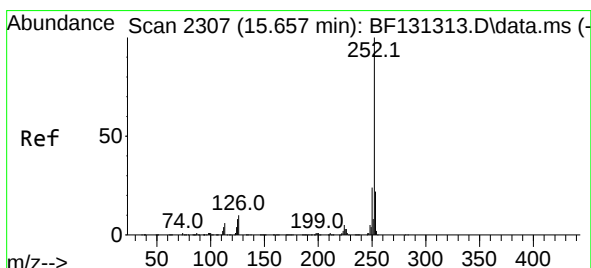
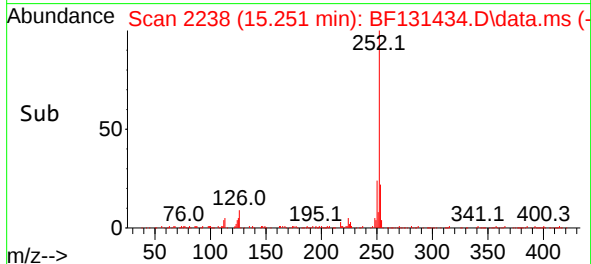
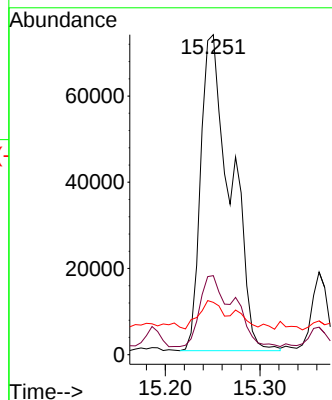
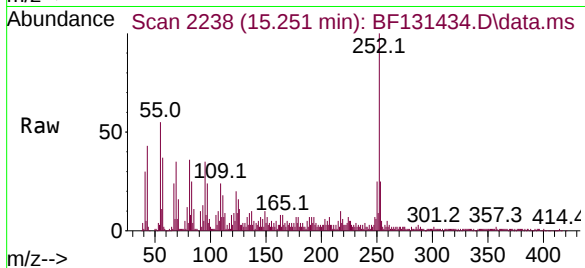
Tgt Ion:252 Resp: 161513

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 16.4 6.6 10.0#



#90

Benzo(a)pyrene

Concen: 11.257 ng

RT: 15.639 min Scan# 2304

Delta R.T. -0.000 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

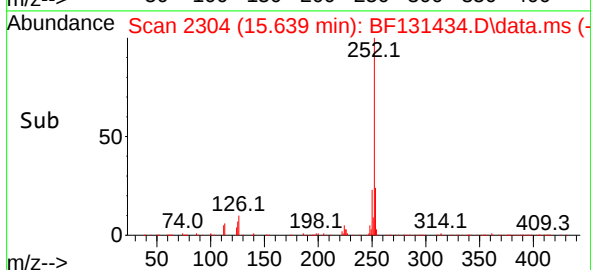
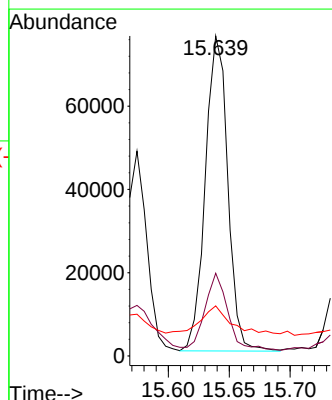
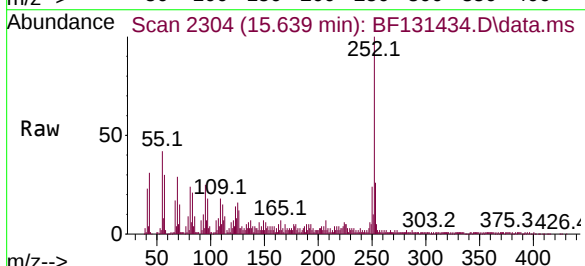
Tgt Ion:252 Resp: 97234

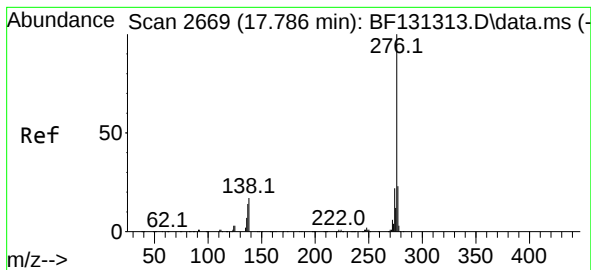
Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

125 15.6 6.1 9.1#





#92

Benzo(g,h,i)perylene

Concen: 6.482 ng

RT: 17.750 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF131434.D

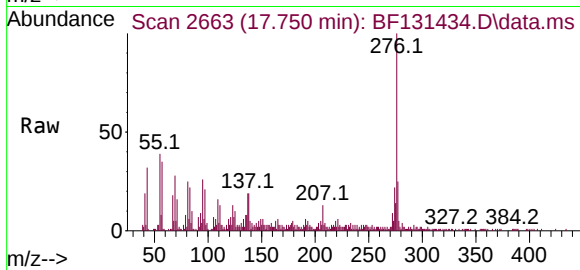
Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

B-8D



Tgt Ion:276 Resp: 56848

Ion Ratio Lower Upper

276 100

277 24.6 18.3 27.5

138 19.1 13.8 20.6

