

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131441.D
 Acq On : 28 Nov 2022 21:32
 Operator : CG\JU
 Sample : N5752-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7D

Quant Time: Nov 29 00:59:31 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)

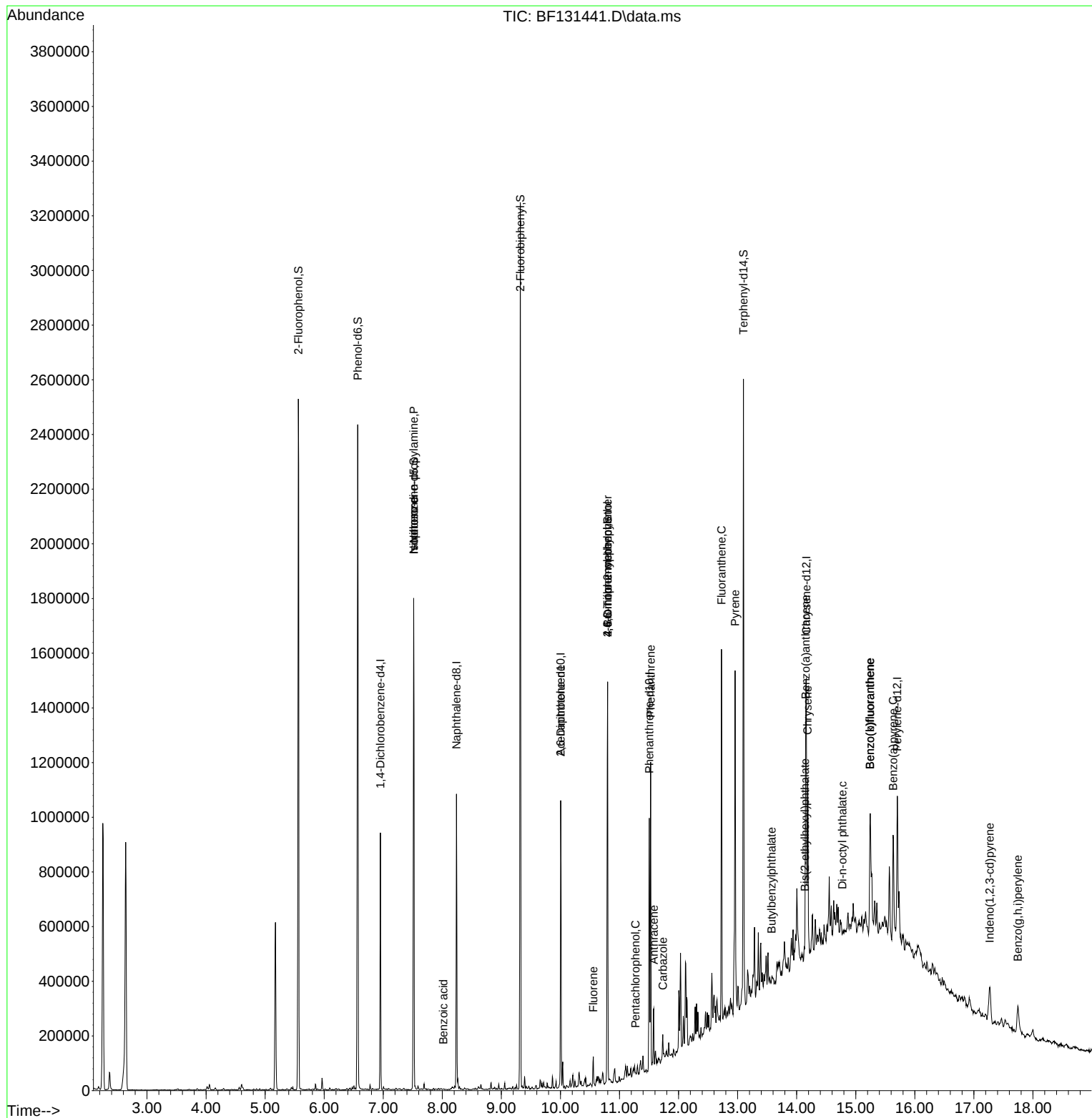
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	120991	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	413445	20.000	ng	# 0.00
39) Acenaphthene-d10	10.004	164	203646	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	319505	20.000	ng	0.00
76) Chrysene-d12	14.162	240	282226	20.000	ng	# 0.00
86) Perylene-d12	15.704	264	263800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	682718	107.393	ng	0.00
7) Phenol-d6	6.569	99	849808	104.772	ng	0.00
23) Nitrobenzene-d5	7.516	82	561708	68.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	162433	94.808	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	913667	65.271	ng	0.00
79) Terphenyl-d14	13.098	244	793064	45.951	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	2325	Below Cal	#	86
19) n-Nitroso-di-n-propyla...	7.516	70	75400	12.698	ng	# 72
25) Isophorone	7.516	82	561630	38.381	ng	# 68
32) Benzoic acid	8.016	122	240	5.207	ng	# 33
51) 2,6-Dinitrotoluene	10.004	165	26863	9.467	ng	# 15
58) Fluorene	10.557	166	26748	2.002	ng	92
65) 4,6-Dinitro-2-methylph...	10.798	198	349	4.859	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	11115	2.838	ng	# 1
70) Pentachlorophenol	11.269	266	121	4.925	ng	# 1
71) Phenanthrene	11.527	178	367559	21.287	ng	99
72) Anthracene	11.580	178	85013	5.010	ng	98
73) Carbazole	11.733	167	30390	2.099	ng	97
75) Fluoranthene	12.727	202	500173	27.490	ng	99
78) Pyrene	12.957	202	515775	20.713	ng	99
80) Butylbenzylphthalate	13.574	149	1484	4.305	ng	# 43
81) Benzo(a)anthracene	14.151	228	281352	14.544	ng	97
83) Chrysene	14.186	228	262771	13.845	ng	97
84) Bis(2-ethylhexyl)phtha...	14.139	149	3055	4.002	ng	# 92
85) Di-n-octyl phthalate	14.774	149	567	3.942	ng	# 70
87) Indeno(1,2,3-cd)pyrene	17.268	276	90549	5.111	ng	98
88) Benzo(b)fluoranthene	15.245	252	355696	20.297	ng	# 94
89) Benzo(k)fluoranthene	15.245	252	355696	19.751	ng	# 95
90) Benzo(a)pyrene	15.633	252	206182	14.338	ng	# 95
92) Benzo(g,h,i)perylene	17.745	276	86239	5.907	ng	95

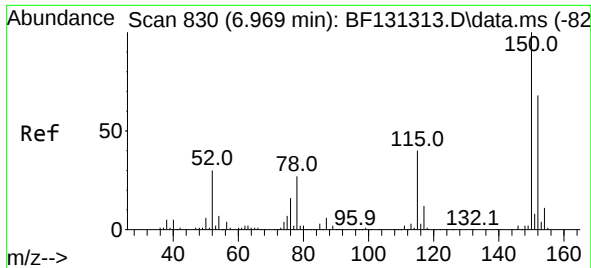
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
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BNA_F
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Quant Time: Nov 29 00:59:31 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

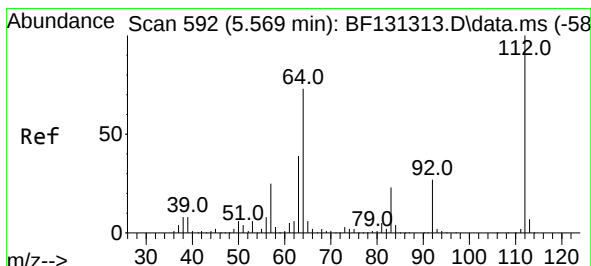
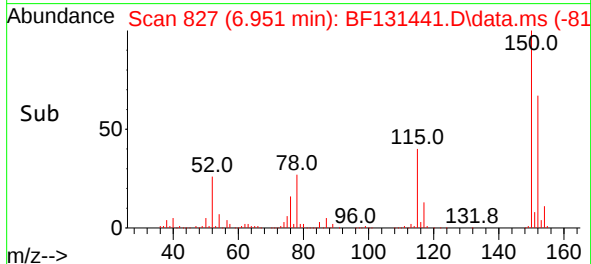
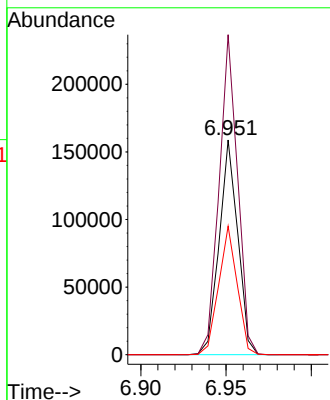
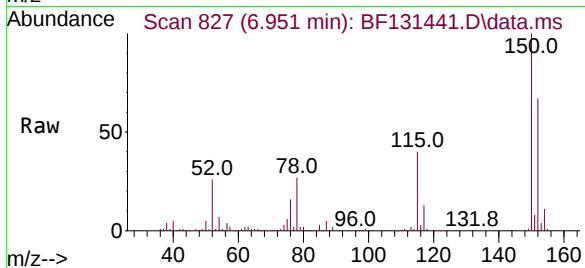




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

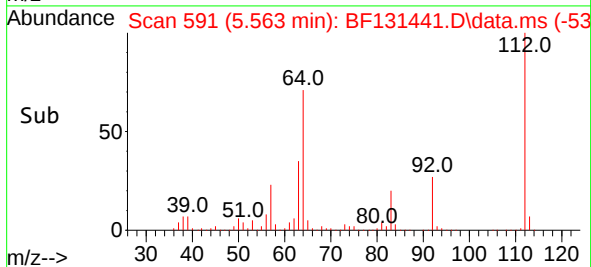
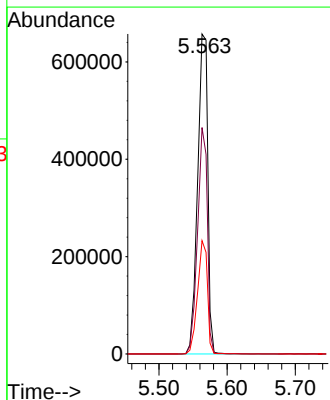
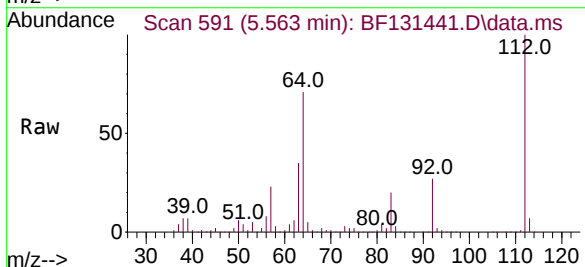
Instrument :
BNA_F
ClientSampleId :
B-7D

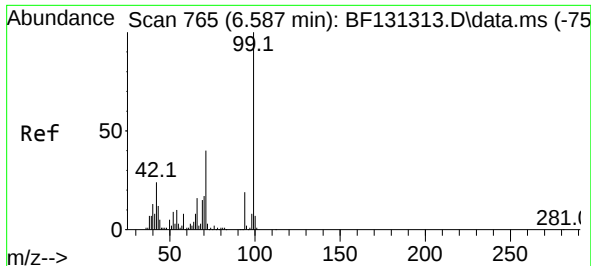
Tgt Ion:152 Resp: 120991
Ion Ratio Lower Upper
152 100
150 149.0 117.8 176.8
115 59.8 47.1 70.7



#5
2-Fluorophenol
Concen: 107.393 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:112 Resp: 682718
Ion Ratio Lower Upper
112 100
64 70.7 58.6 88.0
63 35.4 31.4 47.0

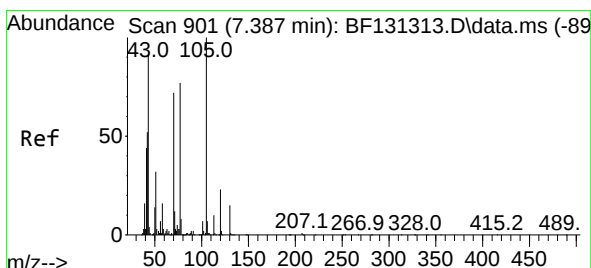
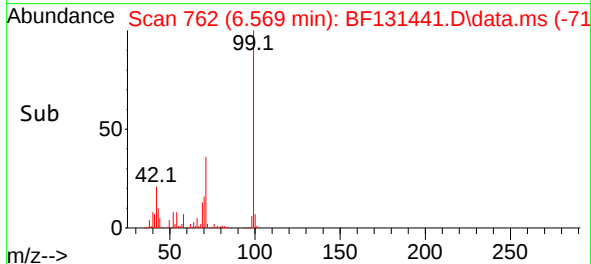
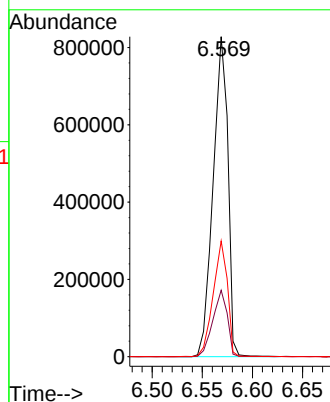
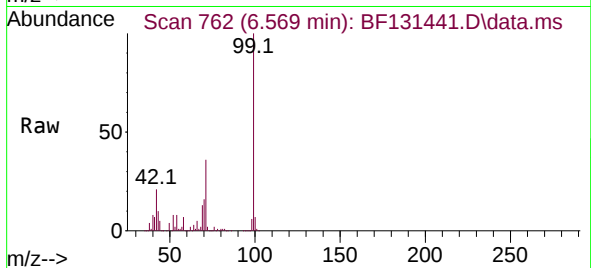




#7
Phenol-d6
Concen: 104.772 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

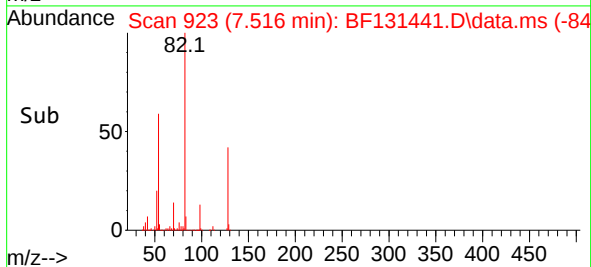
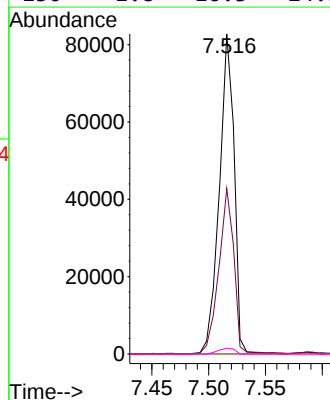
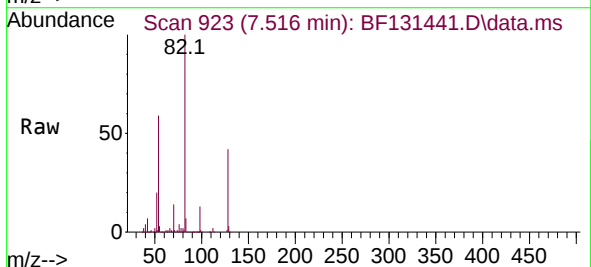
Instrument :
BNA_F
ClientSampleId :
B-7D

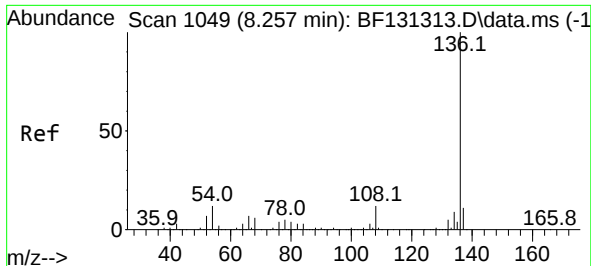
Tgt Ion: 99 Resp: 849808
Ion Ratio Lower Upper
99 100
42 20.7 19.4 29.2
71 36.1 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.698 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion: 70 Resp: 75400
Ion Ratio Lower Upper
70 100
42 51.7 57.6 86.4#
101 0.0 8.2 12.2#
130 1.8 16.3 24.5#

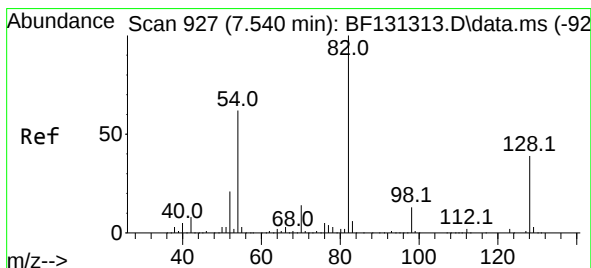
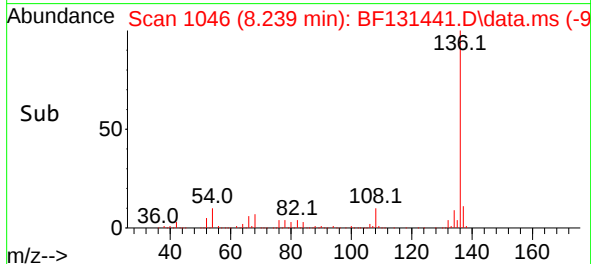
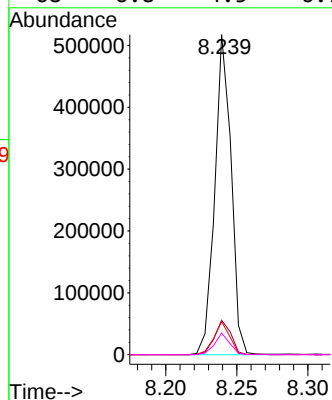
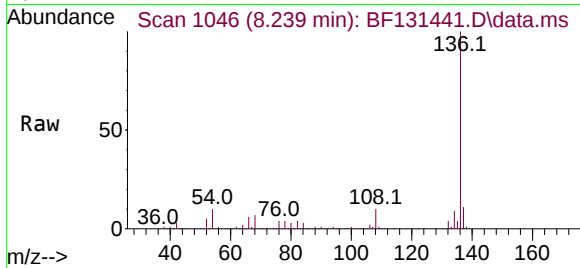




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

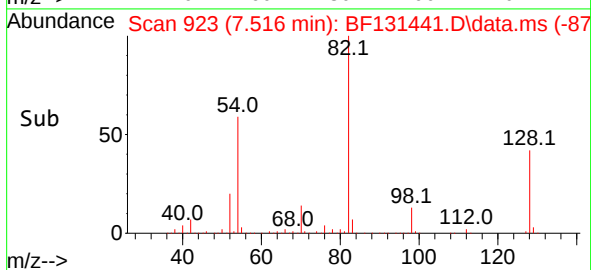
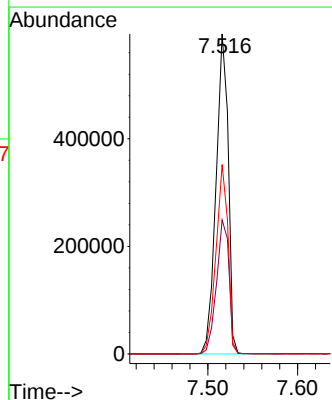
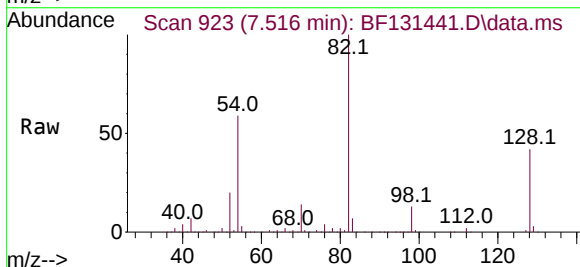
Instrument :
BNA_F
ClientSampleId :
B-7D

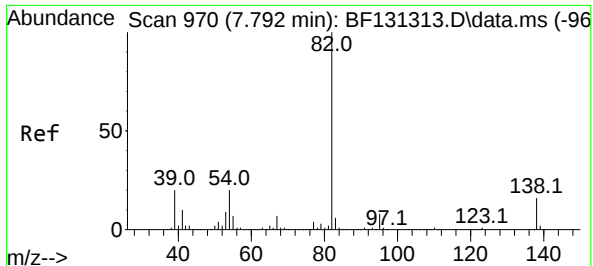
Tgt Ion:136 Resp: 413445
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.4 9.4 14.0
68 6.8 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 68.485 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion: 82 Resp: 561708
Ion Ratio Lower Upper
82 100
128 41.9 31.4 47.0
54 59.2 49.8 74.6

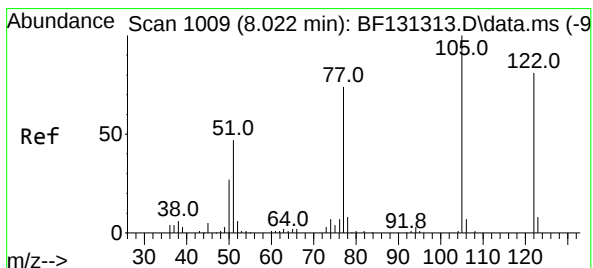
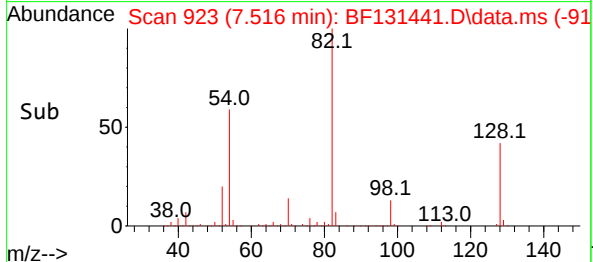
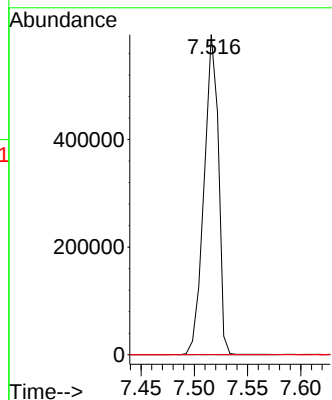
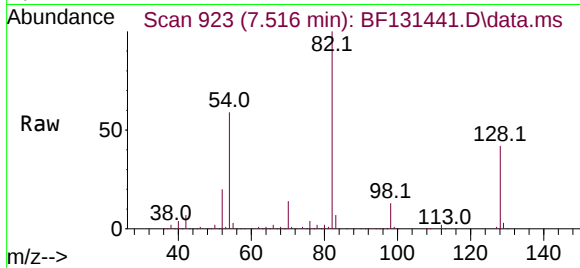




#25
Isophorone
Concen: 38.381 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

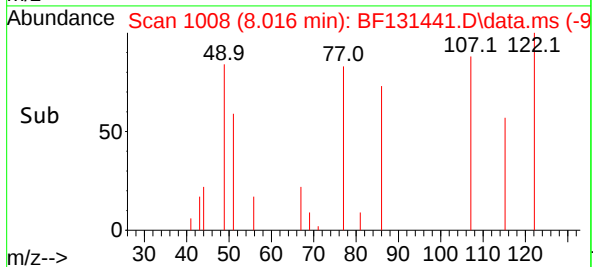
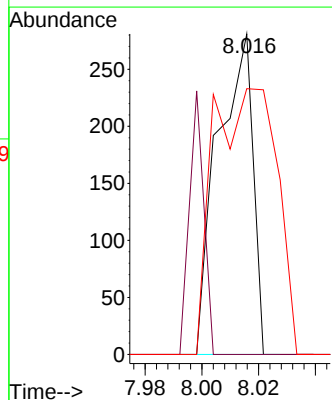
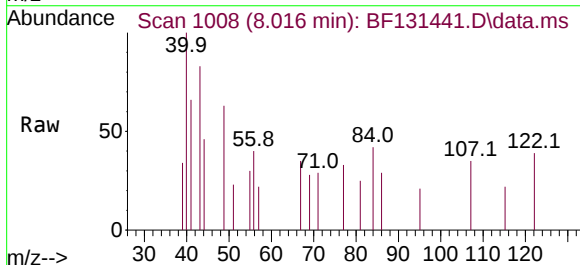
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ClientSampleId :
B-7D

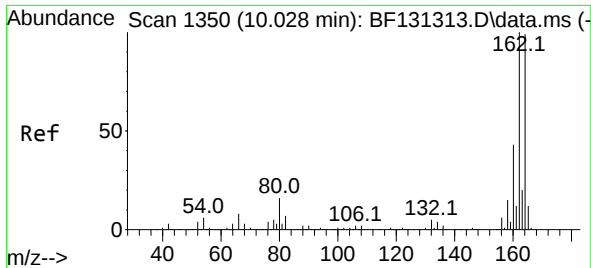
Tgt Ion: 82 Resp: 561630
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.207 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion: 122 Resp: 240
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 82.9 74.3 114.3

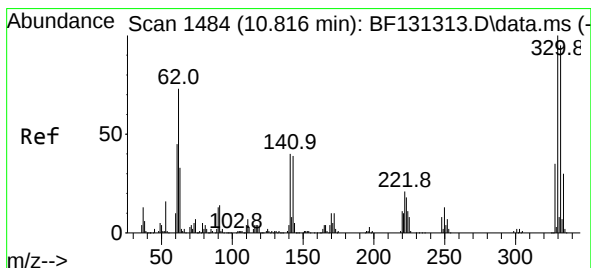
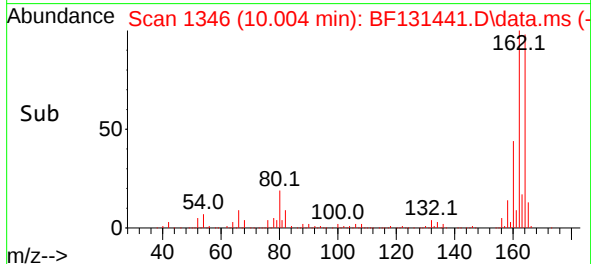
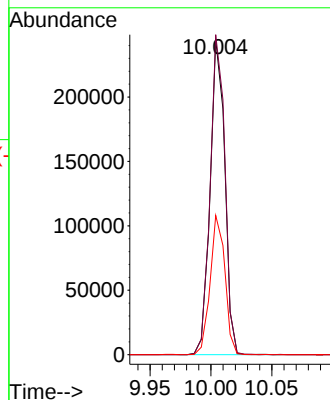
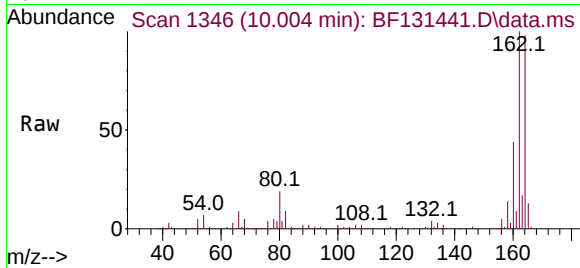




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

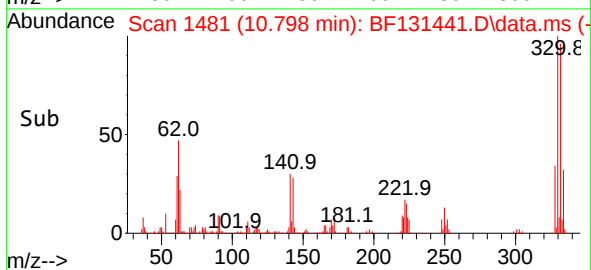
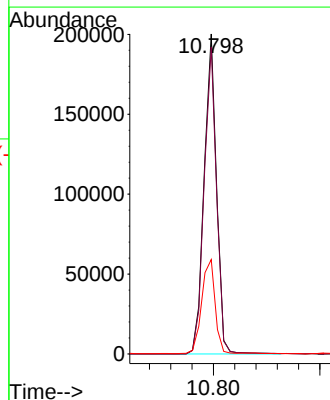
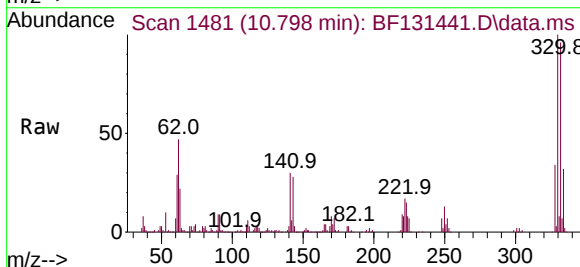
Instrument :
BNA_F
ClientSampleId :
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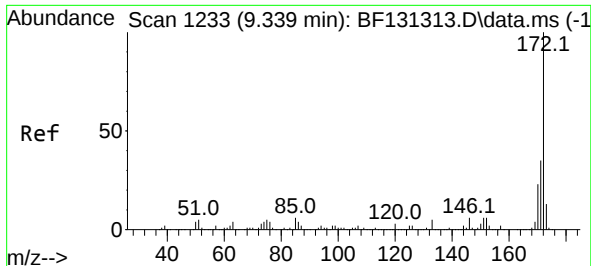
Tgt Ion:164 Resp: 203646
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 44.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 94.808 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:330 Resp: 162433
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 31.8 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 65.271 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

B-7D

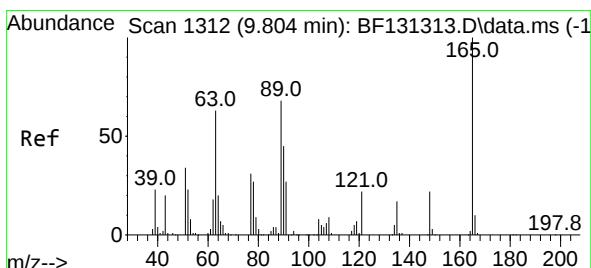
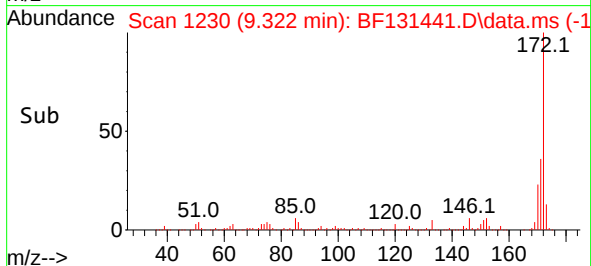
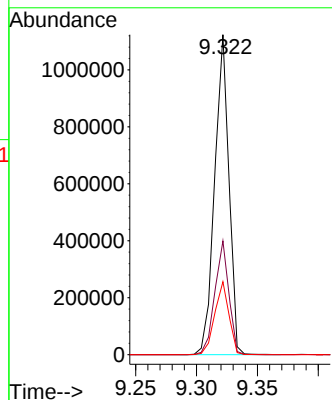
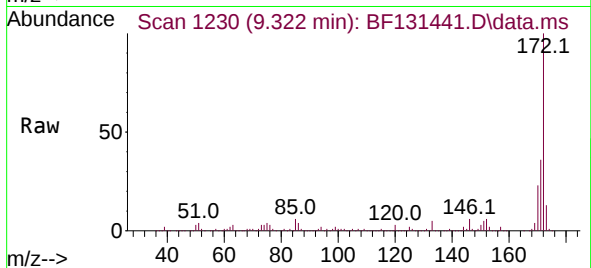
Tgt Ion:172 Resp: 913667

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 22.8 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.467 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

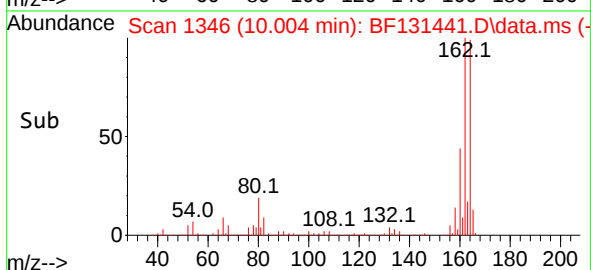
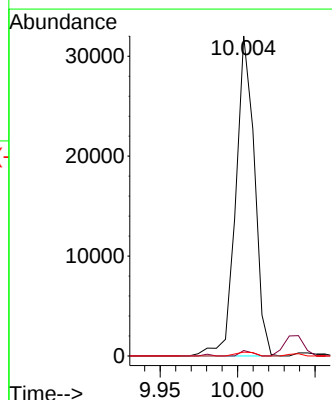
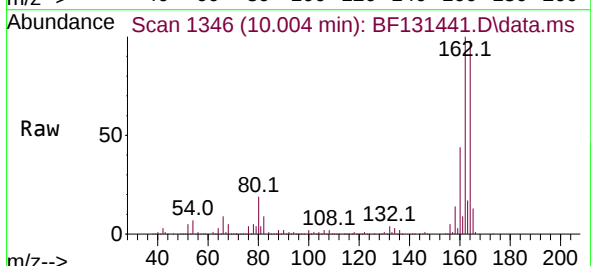
Tgt Ion:165 Resp: 26863

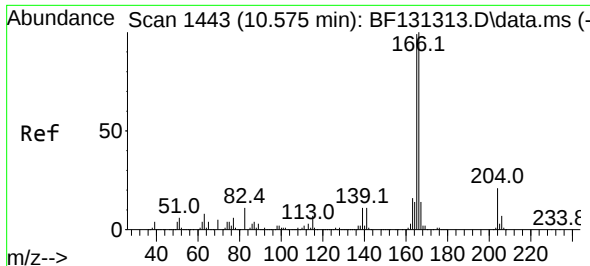
Ion Ratio Lower Upper

165 100

63 1.7 62.0 93.0#

89 1.2 54.4 81.6#

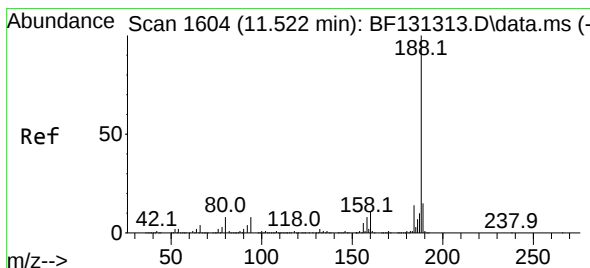
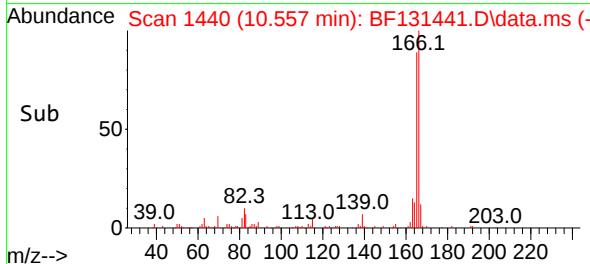
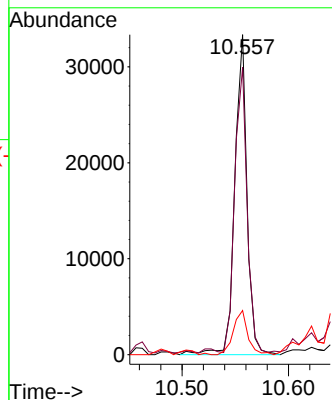
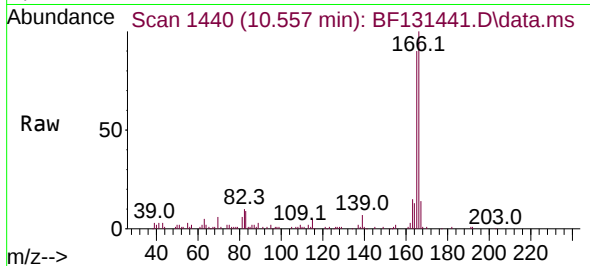




#58
Fluorene
Concen: 2.002 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

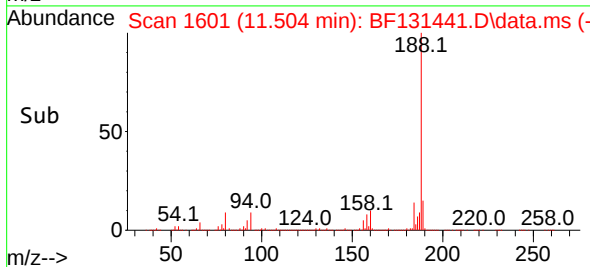
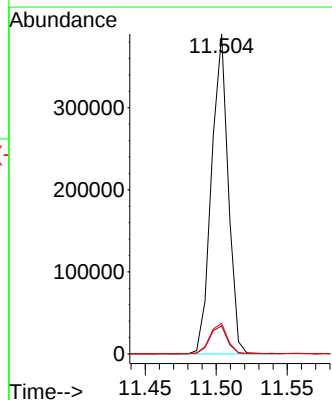
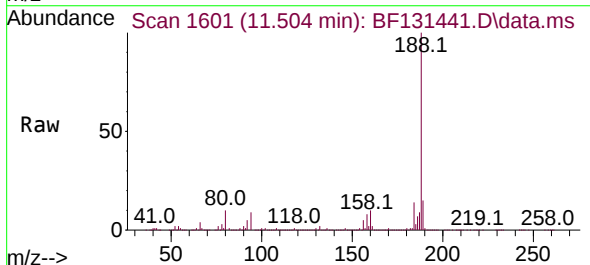
Instrument :
BNA_F
ClientSampleId :
B-7D

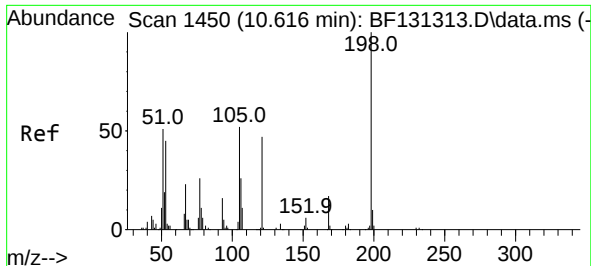
Tgt Ion:166 Resp: 26748
Ion Ratio Lower Upper
166 100
165 89.8 79.0 118.4
167 13.8 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:188 Resp: 319505
Ion Ratio Lower Upper
188 100
94 8.8 6.3 9.5
80 9.6 6.8 10.2





#65

4,6-Dinitro-2-methylphenol

Concen: 4.859 ng

RT: 10.798 min Scan# 1450

Delta R.T. 0.194 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

B-7D

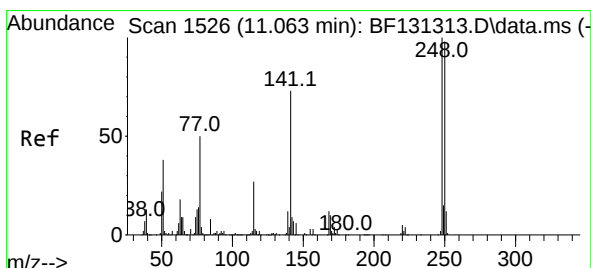
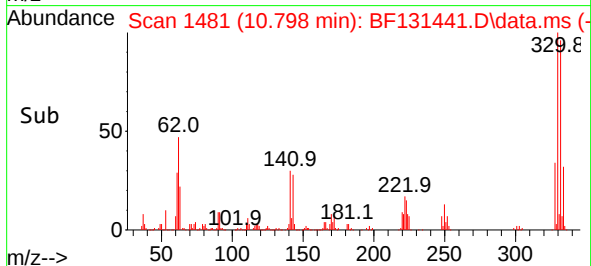
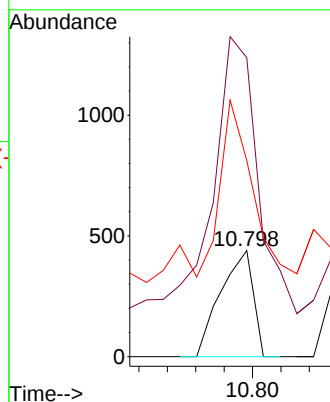
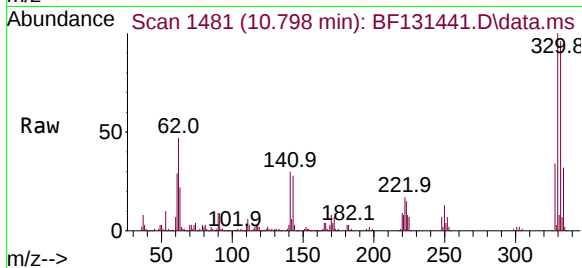
Tgt Ion:198 Resp: 349

Ion Ratio Lower Upper

198 100

51 282.0 50.1 90.1#

105 185.0 32.5 72.5#



#67

4-Bromophenyl-phenylether

Concen: 2.838 ng

RT: 10.798 min Scan# 1481

Delta R.T. -0.247 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

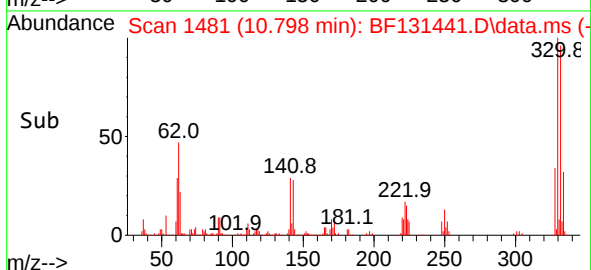
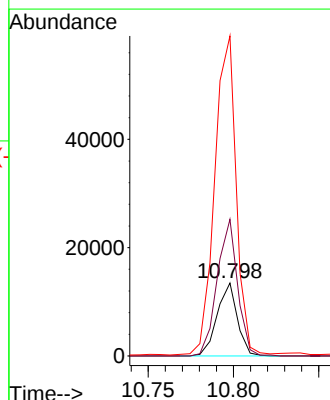
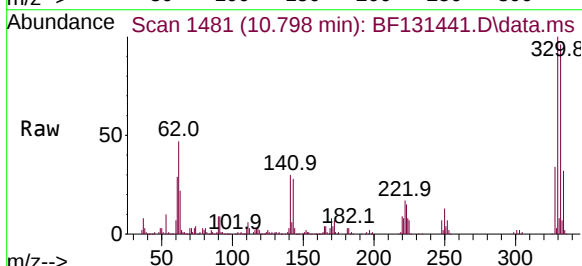
Tgt Ion:248 Resp: 11115

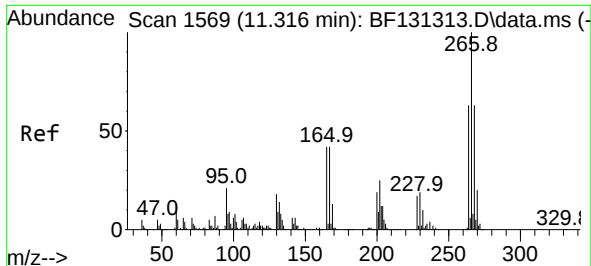
Ion Ratio Lower Upper

248 100

250 187.3 78.3 117.5#

141 438.7 58.0 87.0#

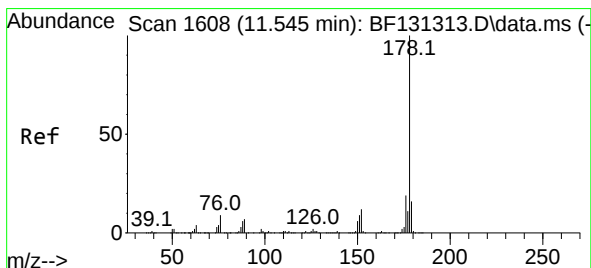
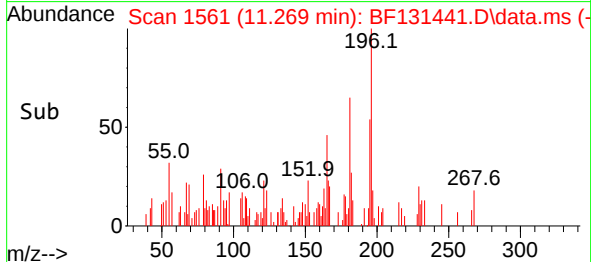
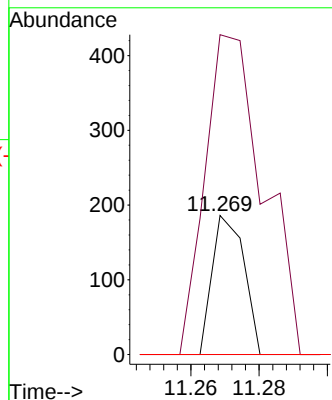
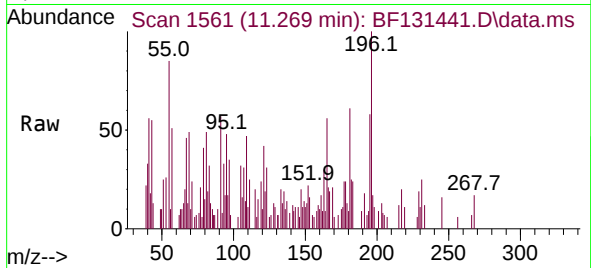




#70
 Pentachlorophenol
 Concen: 4.925 ng
 RT: 11.269 min Scan# 1561
 Delta R.T. -0.035 min
 Lab File: BF131441.D
 Acq: 28 Nov 2022 21:32

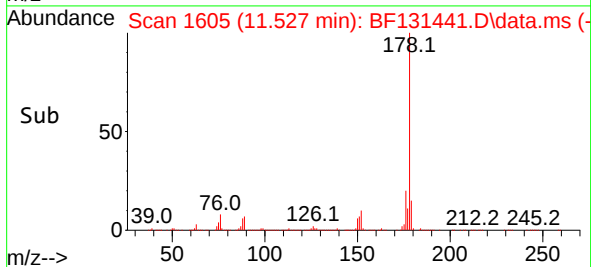
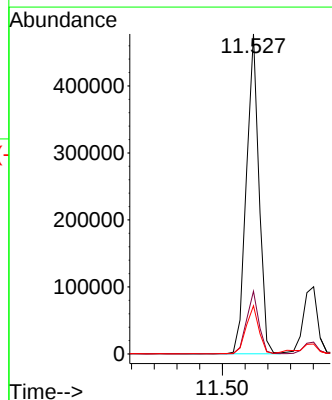
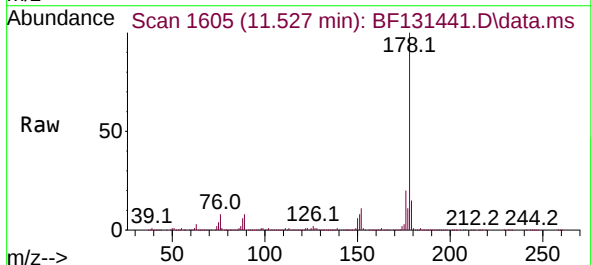
Instrument :
 BNA_F
 ClientSampleId :
 B-7D

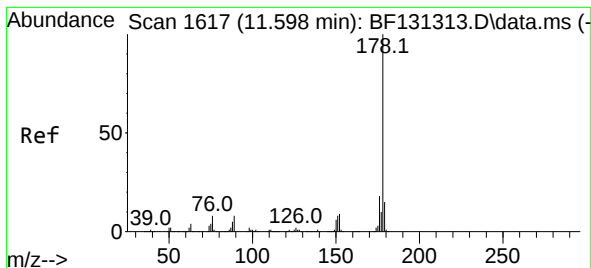
Tgt Ion:266 Resp: 121
 Ion Ratio Lower Upper
 266 100
 268 230.1 50.6 75.8#
 264 0.0 50.4 75.6#



#71
 Phenanthrene
 Concen: 21.287 ng
 RT: 11.527 min Scan# 1605
 Delta R.T. -0.006 min
 Lab File: BF131441.D
 Acq: 28 Nov 2022 21:32

Tgt Ion:178 Resp: 367559
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.6 23.4
 179 15.1 12.4 18.6





#72

Anthracene

Concen: 5.010 ng

RT: 11.580 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

B-7D

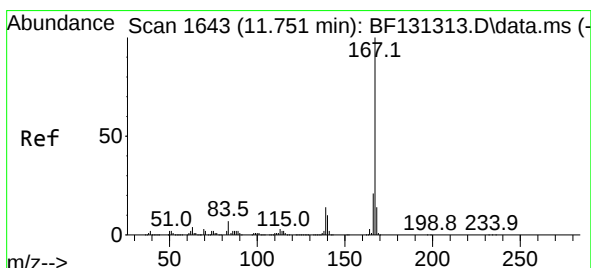
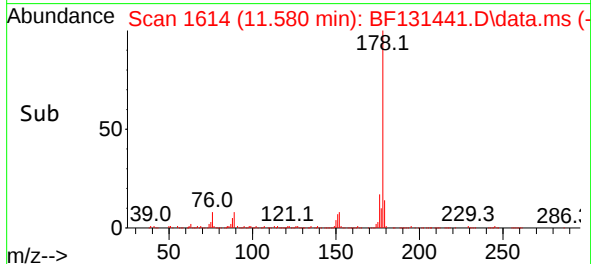
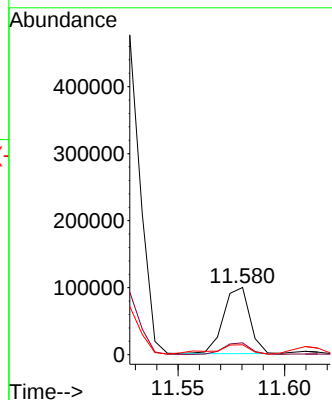
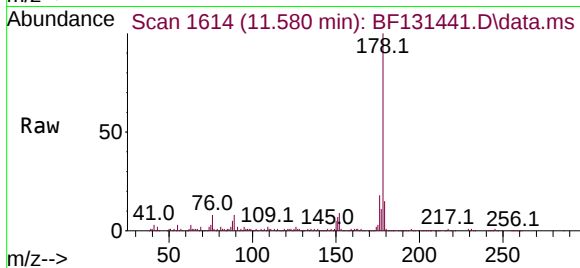
Tgt Ion:178 Resp: 85013

Ion Ratio Lower Upper

178 100

176 17.6 14.7 22.1

179 14.7 12.2 18.4



#73

Carbazole

Concen: 2.099 ng

RT: 11.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

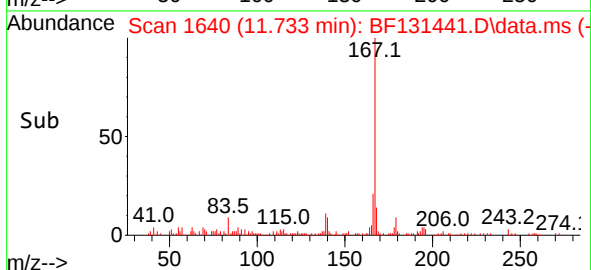
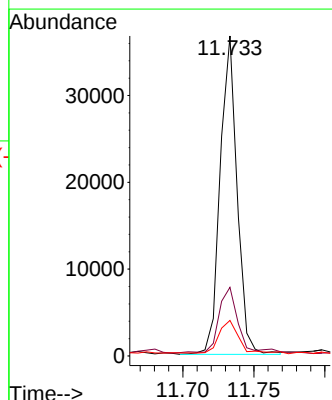
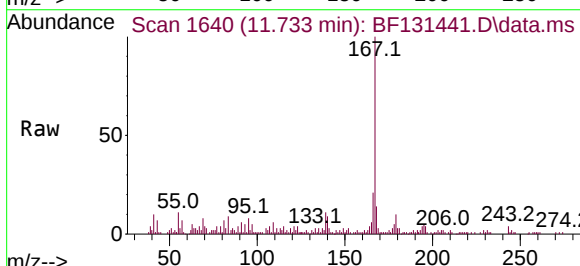
Tgt Ion:167 Resp: 30390

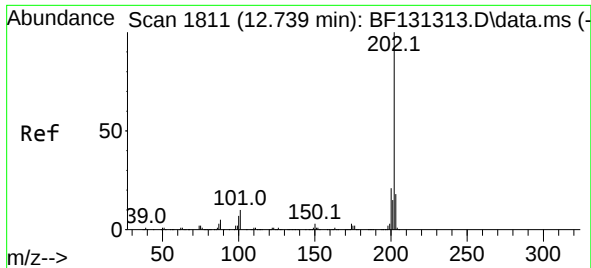
Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

139 11.1 10.8 16.2

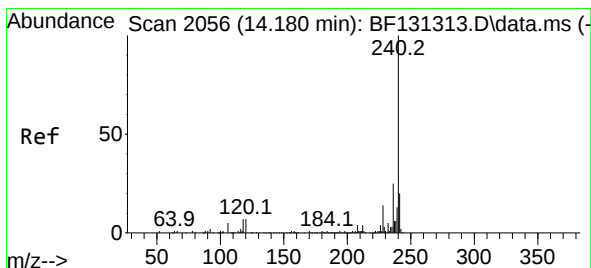
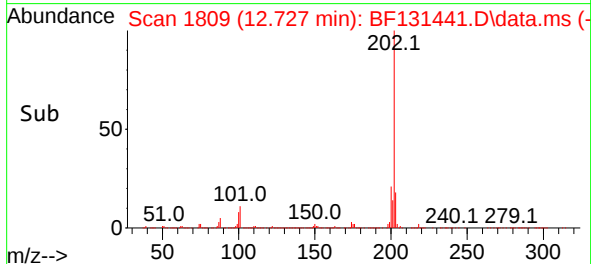
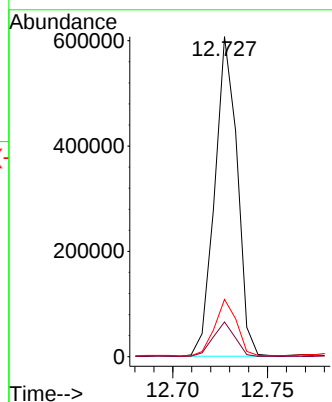
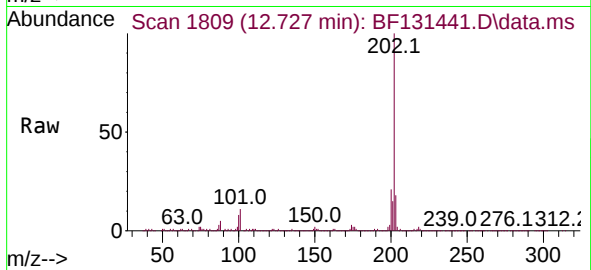




#75
Fluoranthene
Concen: 27.490 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

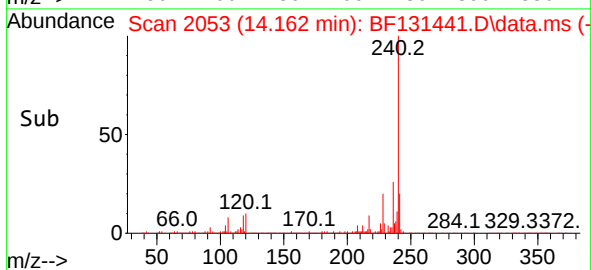
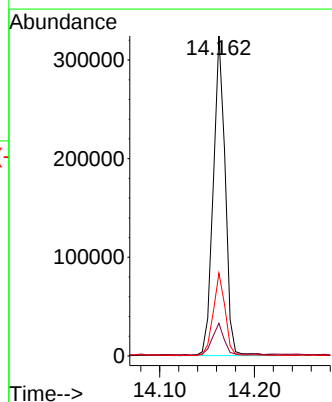
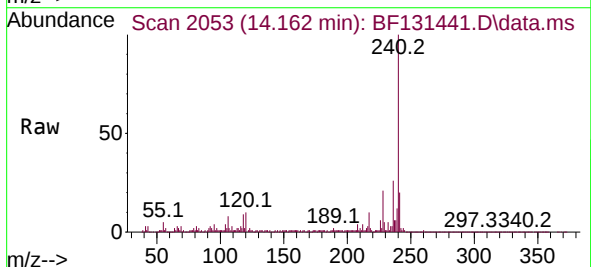
Instrument :
BNA_F
ClientSampleId :
B-7D

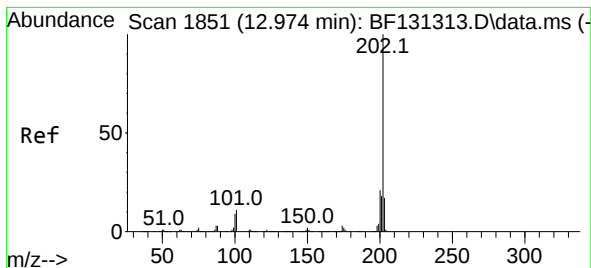
Tgt Ion:202 Resp: 500173
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.162 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:240 Resp: 282226
Ion Ratio Lower Upper
240 100
120 10.2 5.8 8.8#
236 25.9 20.3 30.5





#78

Pyrene

Concen: 20.713 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

B-7D

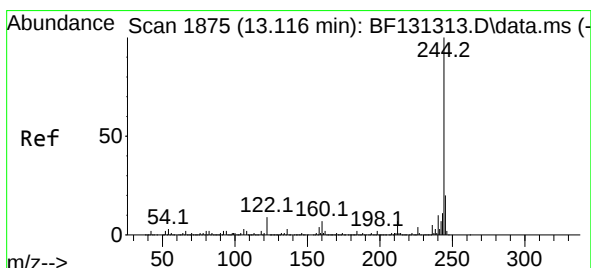
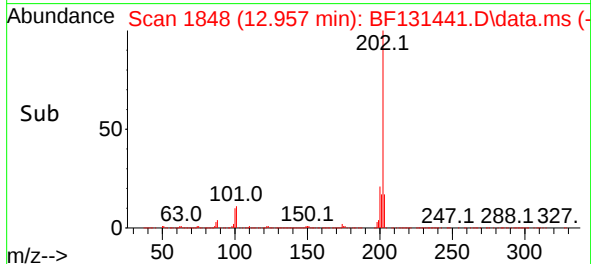
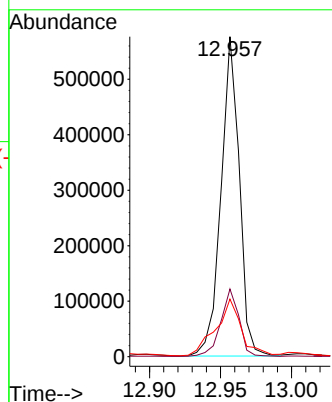
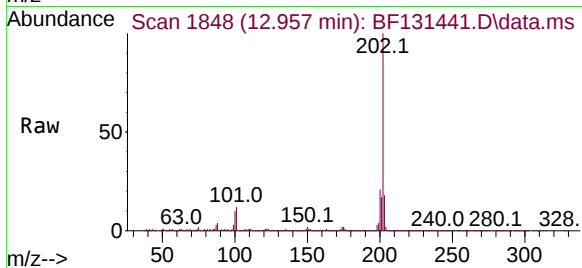
Tgt Ion:202 Resp: 515775

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 45.951 ng

RT: 13.098 min Scan# 1872

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

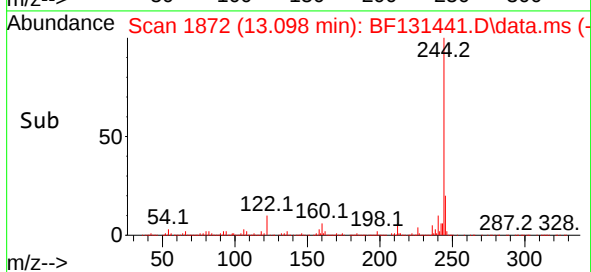
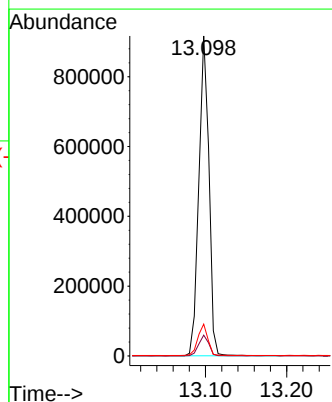
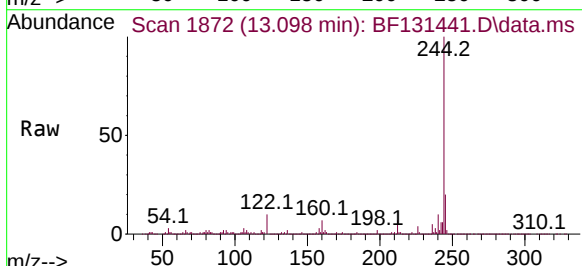
Tgt Ion:244 Resp: 793064

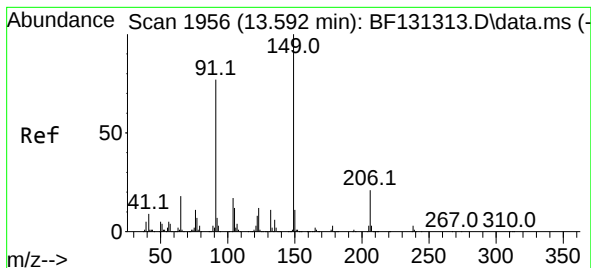
Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 10.0 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.305 ng

RT: 13.574 min Scan# 1953

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

B-7D

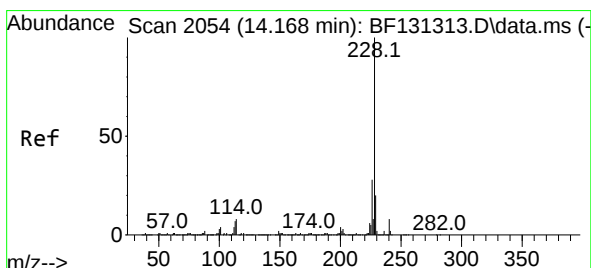
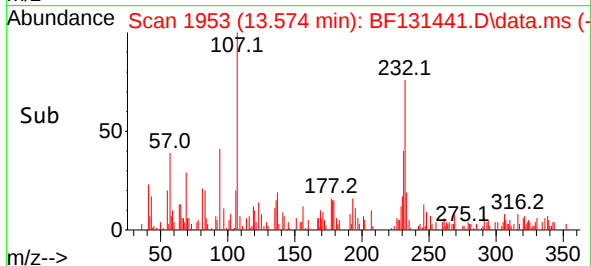
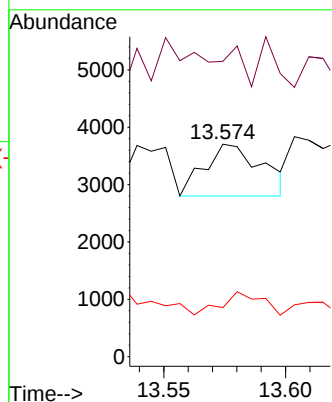
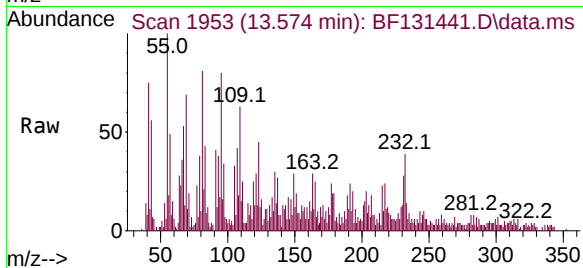
Tgt Ion:149 Resp: 1484

Ion Ratio Lower Upper

149 100

91 139.0 61.9 92.9#

206 23.1 16.5 24.7



#81

Benzo(a)anthracene

Concen: 14.544 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

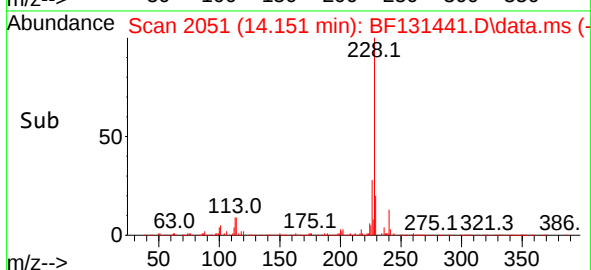
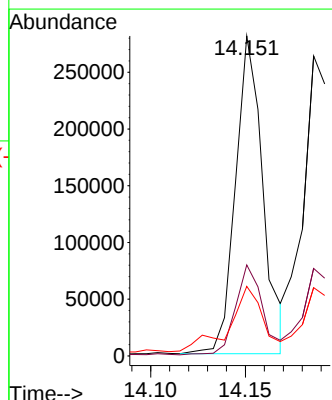
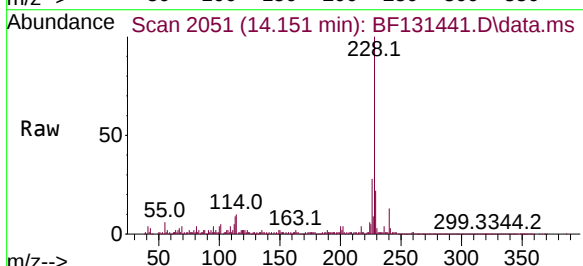
Tgt Ion:228 Resp: 281352

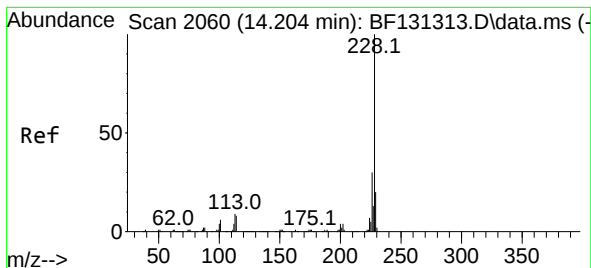
Ion Ratio Lower Upper

228 100

226 28.5 22.0 33.0

229 21.7 15.7 23.5





#83

Chrysene

Concen: 13.845 ng

RT: 14.186 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

Instrument :

BNA_F

ClientSampleId :

B-7D

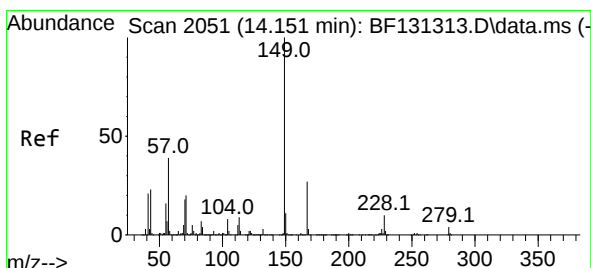
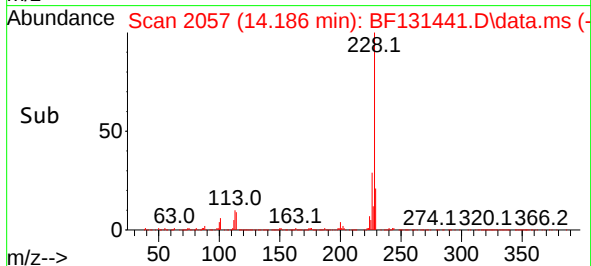
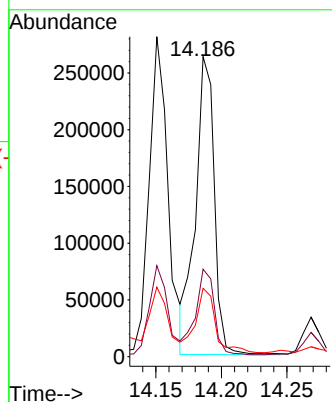
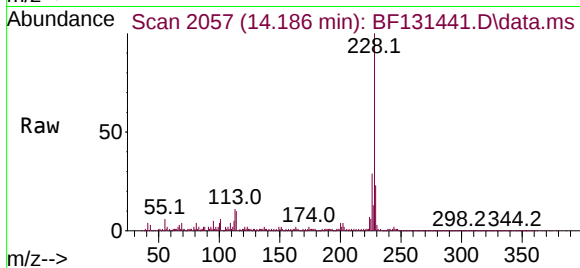
Tgt Ion:228 Resp: 262771

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 22.8 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.002 ng

RT: 14.139 min Scan# 2049

Delta R.T. -0.000 min

Lab File: BF131441.D

Acq: 28 Nov 2022 21:32

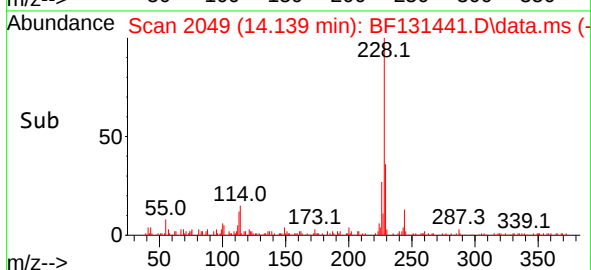
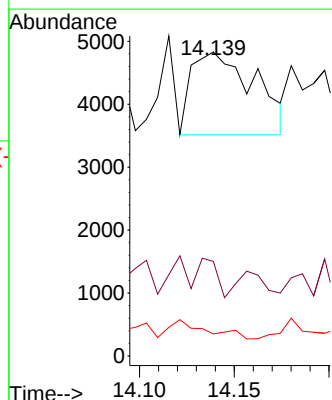
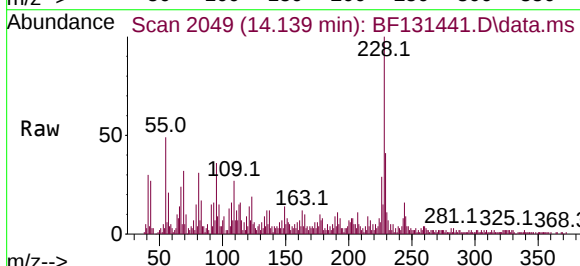
Tgt Ion:149 Resp: 3055

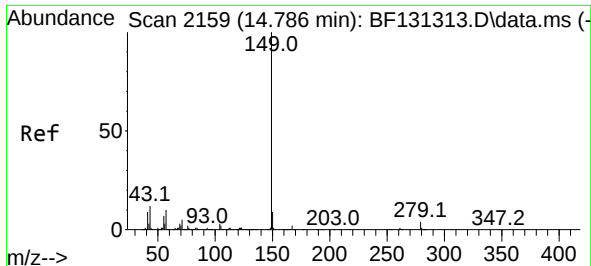
Ion Ratio Lower Upper

149 100

167 31.1 21.9 32.9

279 7.2 3.0 4.4#

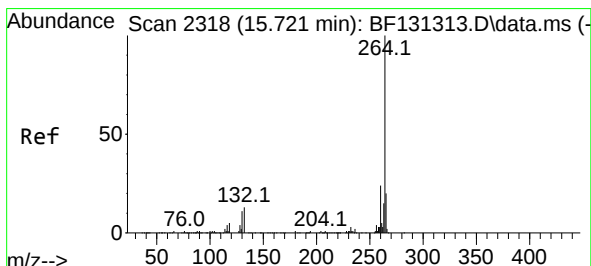
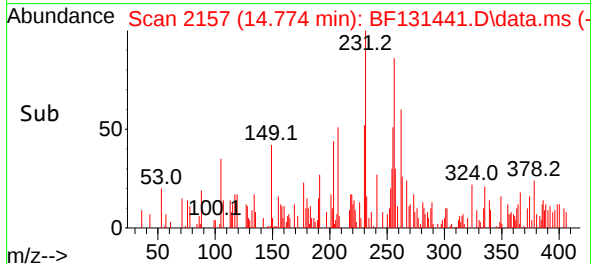
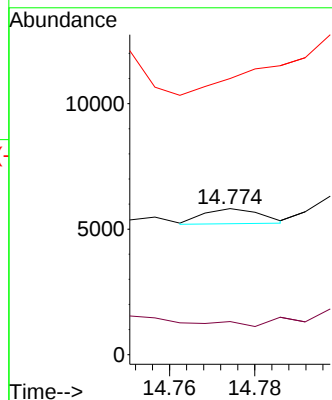
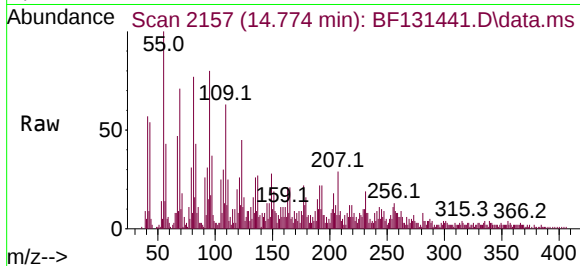




#85
Di-n-octyl phthalate
Concen: 3.942 ng
RT: 14.774 min Scan# 2159
Delta R.T. 0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

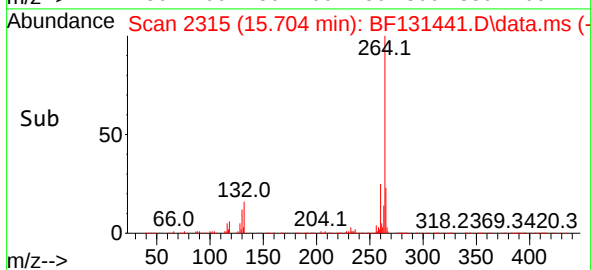
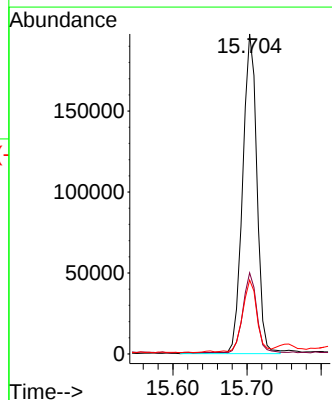
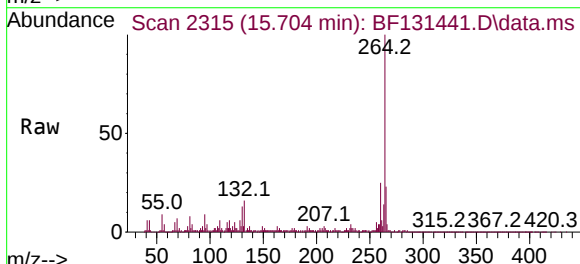
Instrument :
BNA_F
ClientSampleId :
B-7D

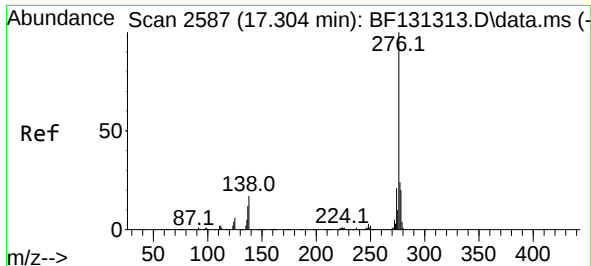
Tgt Ion:149 Resp: 567
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.704 min Scan# 2315
Delta R.T. 0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:264 Resp: 263800
Ion Ratio Lower Upper
264 100
260 25.3 19.0 28.4
265 23.1 16.4 24.6

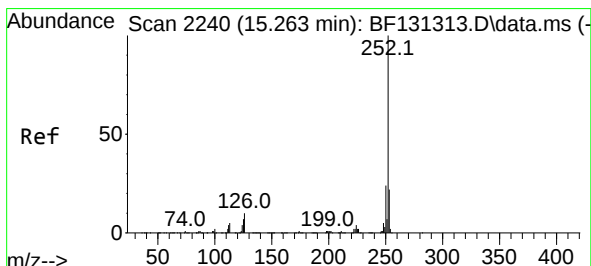
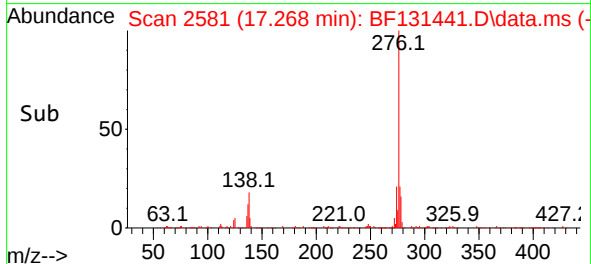
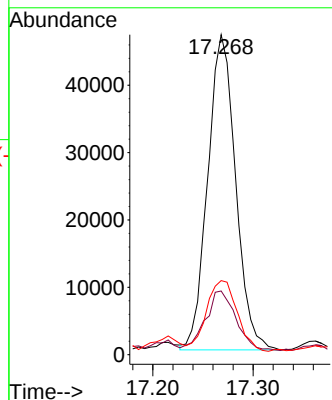
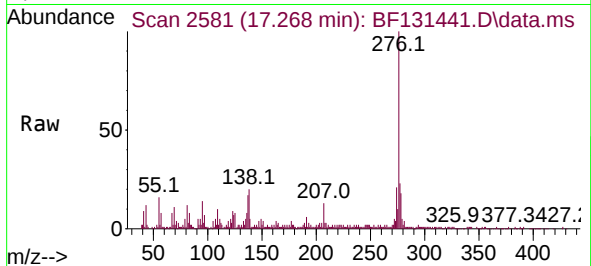




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.111 ng
RT: 17.268 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

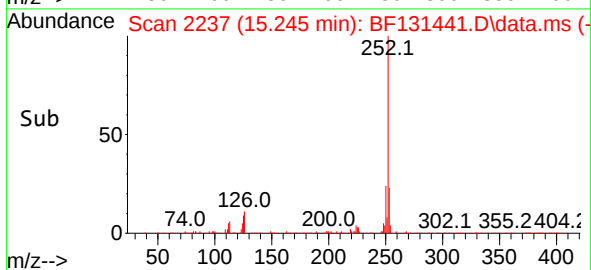
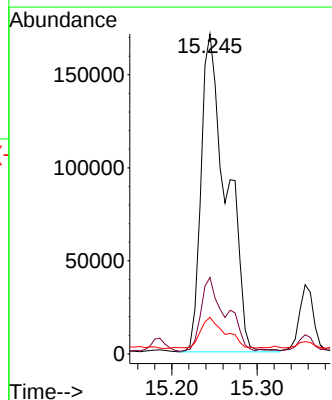
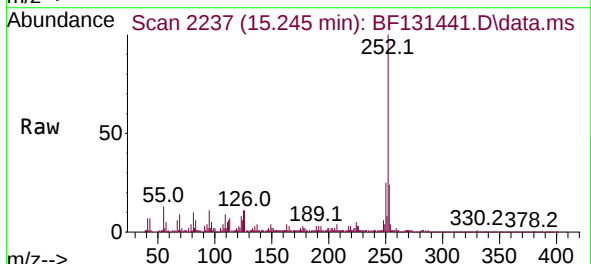
Instrument :
BNA_F
ClientSampleId :
B-7D

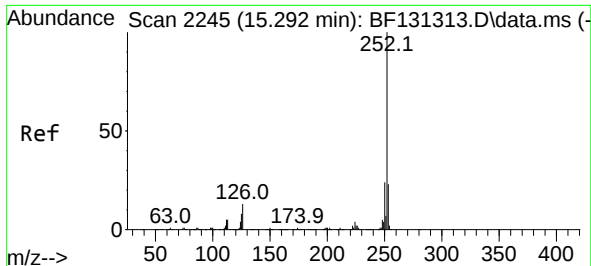
Tgt Ion:276 Resp: 90549
Ion Ratio Lower Upper
276 100
138 20.8 15.8 23.6
277 24.8 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 20.297 ng
RT: 15.245 min Scan# 2237
Delta R.T. -0.000 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Tgt Ion:252 Resp: 355696
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 11.5 5.8 8.6#

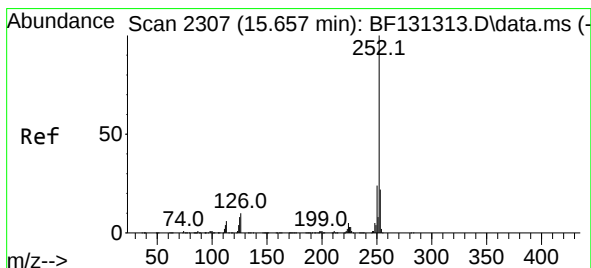
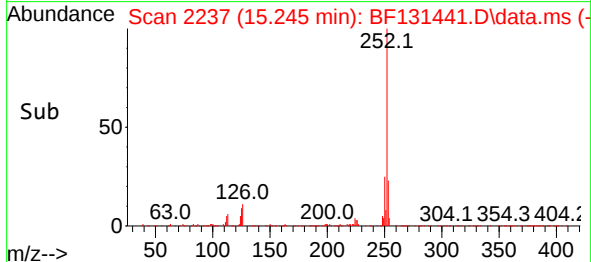
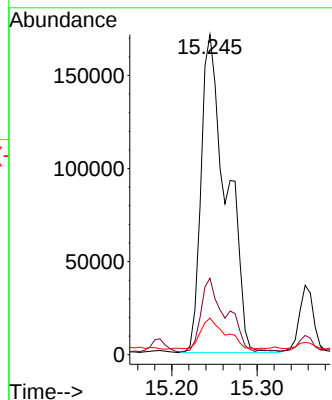
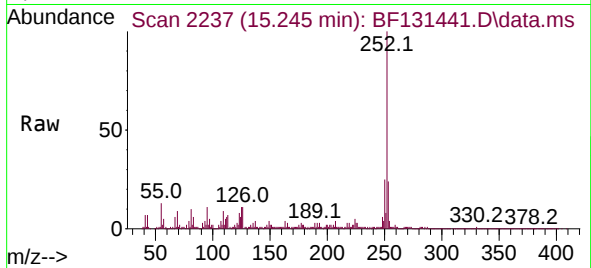




#89
Benzo(k)fluoranthene
Concen: 19.751 ng
RT: 15.245 min Scan# 21
Delta R.T. -0.036 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

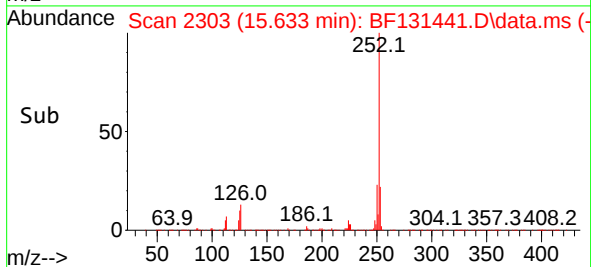
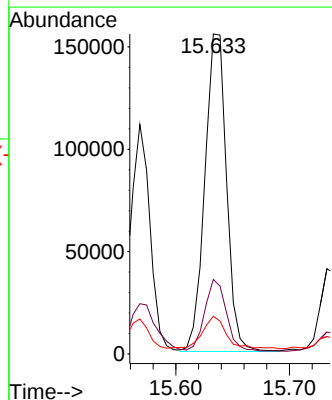
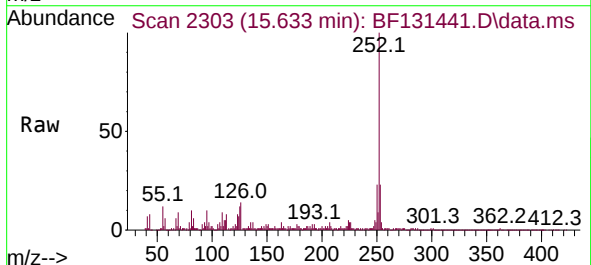
Instrument :
BNA_F
ClientSampleId :
B-7D

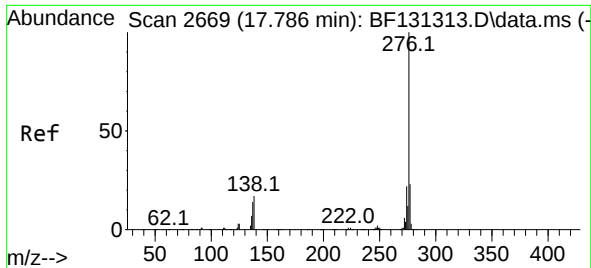
Tgt Ion:252 Resp: 355696
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 11.5 6.6 10.0#



#90
Benzo(a)pyrene
Concen: 14.338 ng
RT: 15.633 min Scan# 2303
Delta R.T. -0.006 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

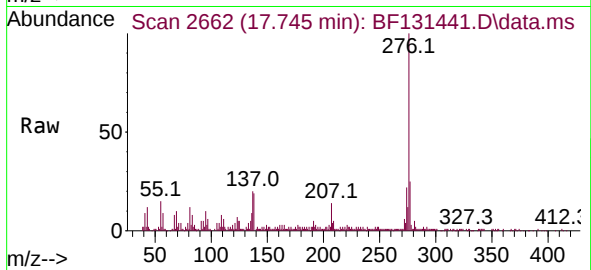
Tgt Ion:252 Resp: 206182
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 11.8 6.1 9.1#





#92
Benzo(g,h,i)perylene
Concen: 5.907 ng
RT: 17.745 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF131441.D
Acq: 28 Nov 2022 21:32

Instrument :
BNA_F
ClientSampleId :
B-7D



Tgt Ion:276 Resp: 86239
Ion Ratio Lower Upper
276 100
277 25.5 18.3 27.5
138 19.0 13.8 20.6

