

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132231.D
 Acq On : 31 Jan 2023 02:12
 Operator : CG\JU
 Sample : 01270-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-1-012323

Quant Time: Jan 31 02:35:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

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

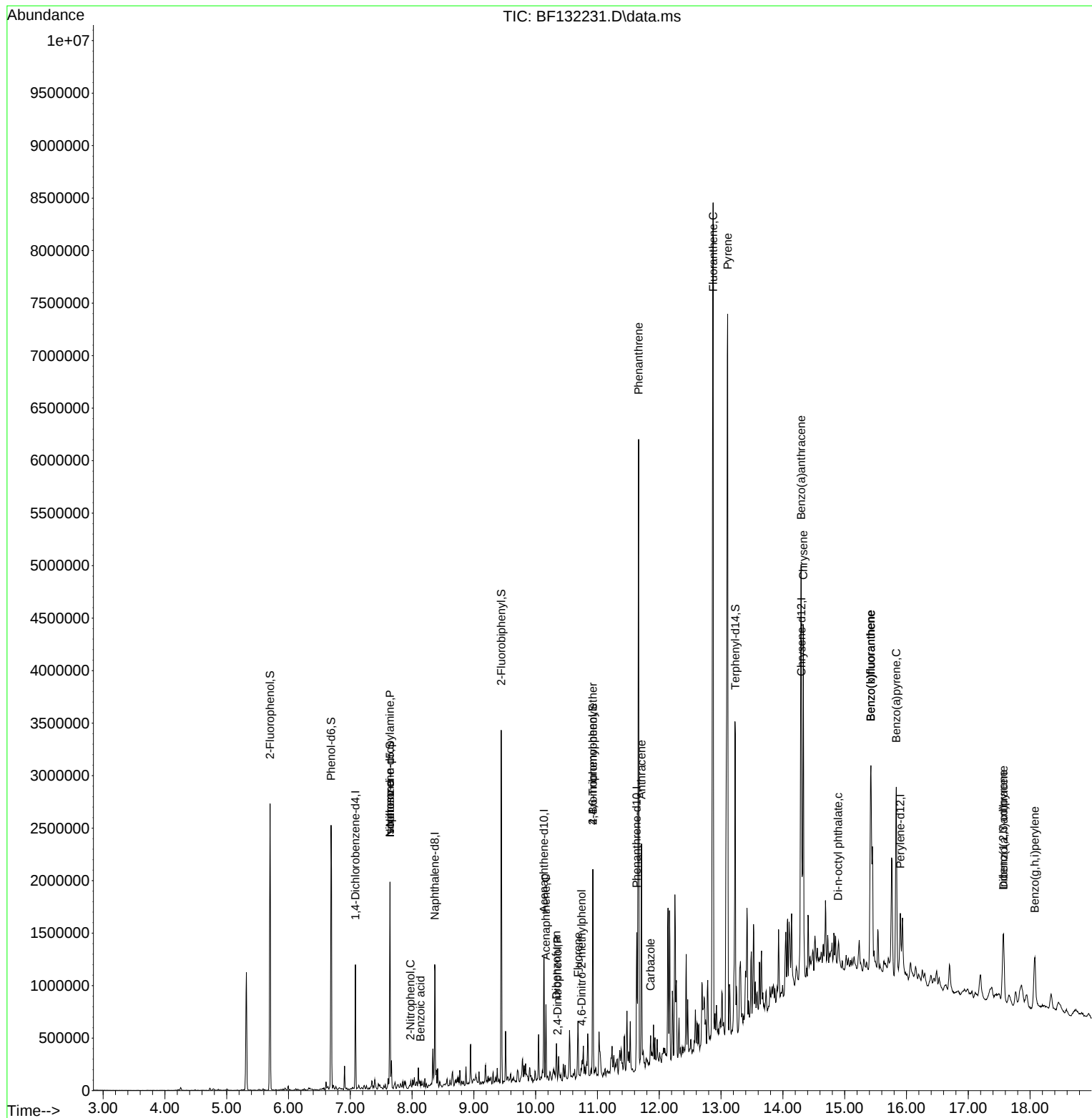
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.084	152	159467	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	499654	20.000	ng	0.00
39) Acenaphthene-d10	10.136	164	241790	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	496088	20.000	ng	0.00
76) Chrysene-d12	14.301	240	284767	20.000	ng	0.00
86) Perylene-d12	15.901	264	246336	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	771987	80.546	ng	0.00
7) Phenol-d6	6.690	99	964405	80.250	ng	0.00
23) Nitrobenzene-d5	7.642	82	577823	60.543	ng	0.00
42) 2,4,6-Tribromophenol	10.925	330	185486	82.845	ng	0.00
45) 2-Fluorobiphenyl	9.442	172	941345	57.287	ng	0.00
79) Terphenyl-d14	13.230	244	1066944	58.865	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.642	70	73731	10.193	ng	# 77
25) Isophorone	7.642	82	577823	31.481	ng	# 67
26) 2-Nitrophenol	7.972	139	292	2.507	ng	# 1
32) Benzoic acid	8.136	122	606	7.398	ng	# 1
52) Acenaphthene	10.166	154	128297	9.286	ng	97
54) 2,4-Dinitrophenol	10.354	184	293	6.928	ng	# 1
55) Dibenzofuran	10.336	168	88921	4.296	ng	# 95
58) Fluorene	10.683	166	131897	8.343	ng	96
65) 4,6-Dinitro-2-methylph...	10.742	198	53	5.340	ng	# 1
67) 4-Bromophenyl-phenylether	10.925	248	12243	2.144	ng	# 1
71) Phenanthrene	11.666	178	2309054	91.495	ng	99
72) Anthracene	11.713	178	768533	29.905	ng	99
73) Carbazole	11.860	167	69222	3.136	ng	97
75) Fluoranthene	12.871	202	3718697	144.818	ng	97
78) Pyrene	13.107	202	3464547	129.849	ng	97
81) Benzo(a)anthracene	14.295	228	1512882	75.560	ng	98
83) Chrysene	14.330	228	1295484	69.430	ng	97
85) Di-n-octyl phthalate	14.895	149	1027	5.310	ng	# 30
87) Indeno(1,2,3-cd)pyrene	17.565	276	506768	31.115	ng	# 92
88) Benzo(b)fluoranthene	15.424	252	1811105	119.708	ng	98
89) Benzo(k)fluoranthene	15.424	252	1810978	116.006	ng	98
90) Benzo(a)pyrene	15.836	252	994772	69.669	ng	98
91) Dibenzo(a,h)anthracene	17.571	278	125028	9.389	ng	# 89
92) Benzo(g,h,i)perylene	18.077	276	492402	36.268	ng	97

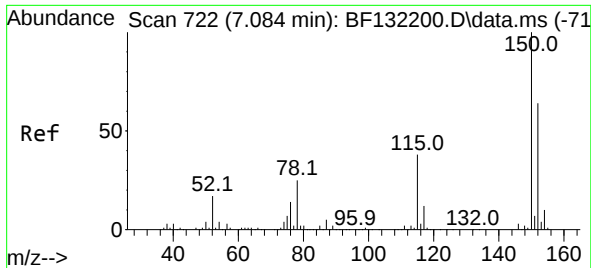
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 28 02:25:45 2023
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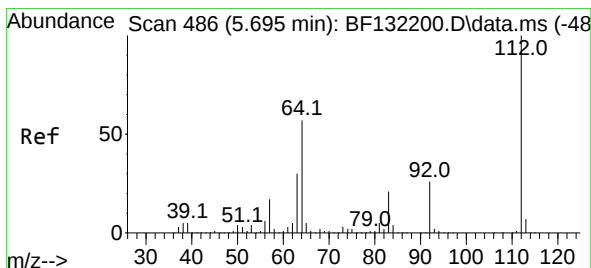
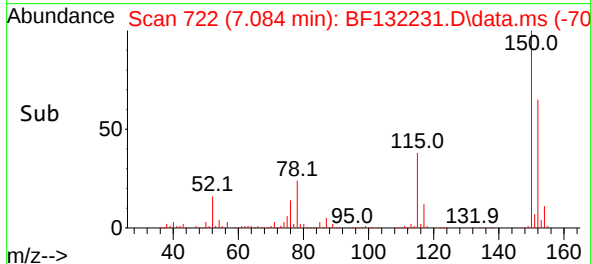
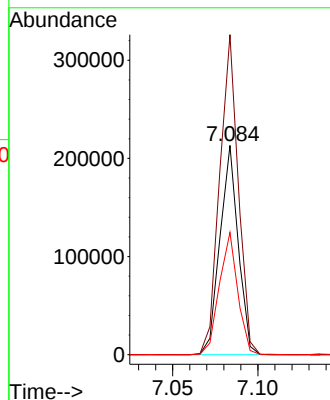
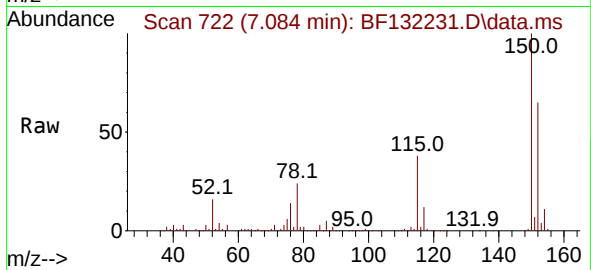




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.084 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

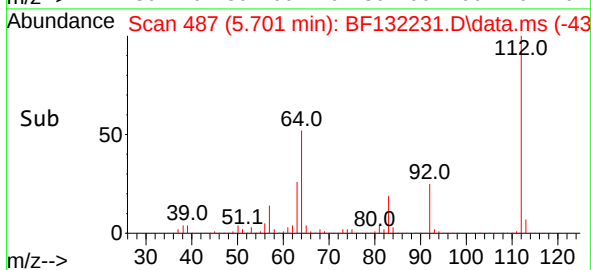
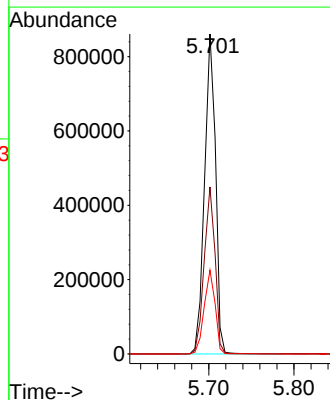
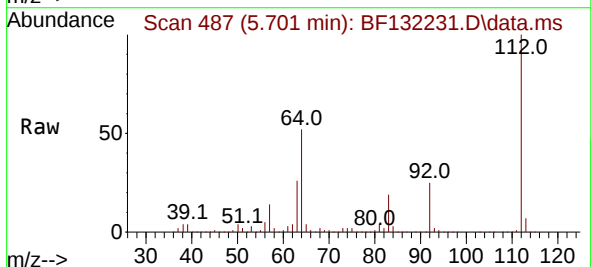
Instrument :
BNA_F
ClientSampleId :
JC-1-012323

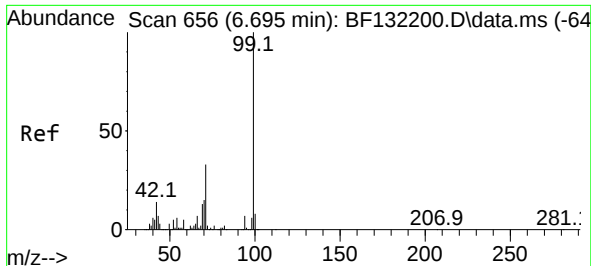
Tgt Ion:152 Resp: 159467
Ion Ratio Lower Upper
152 100
150 153.0 124.5 186.7
115 58.4 47.0 70.6



#5
2-Fluorophenol
Concen: 80.546 ng
RT: 5.701 min Scan# 487
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:112 Resp: 771987
Ion Ratio Lower Upper
112 100
64 52.2 45.5 68.3
63 26.2 23.7 35.5

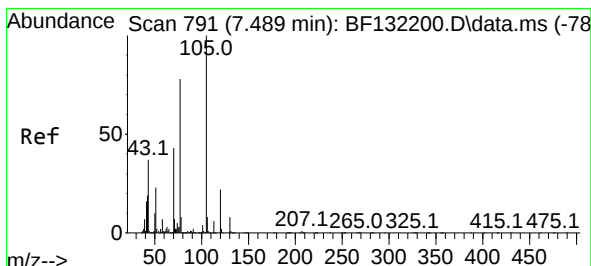
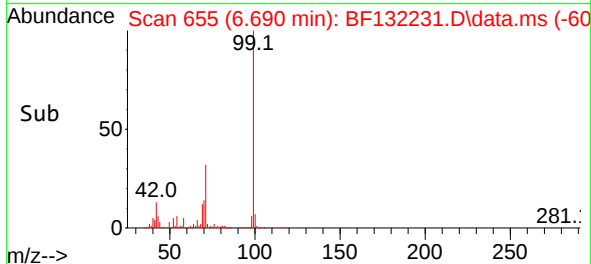
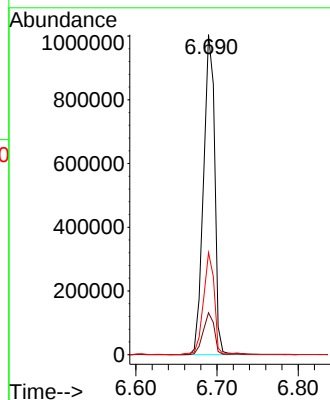
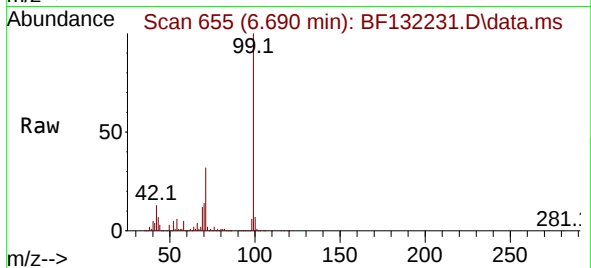




#7
Phenol-d6
Concen: 80.250 ng
RT: 6.690 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

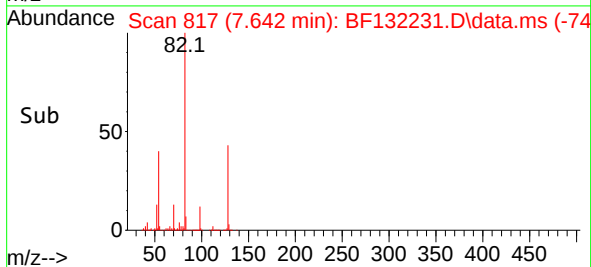
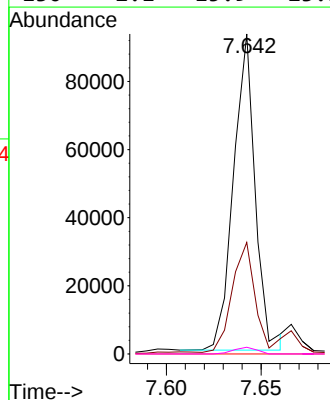
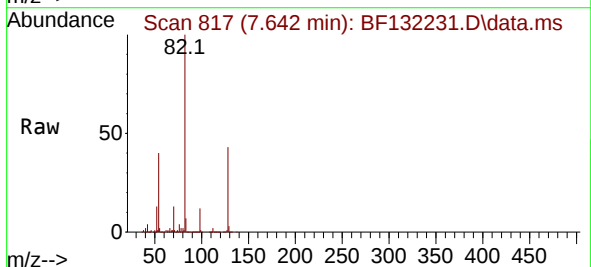
Instrument :
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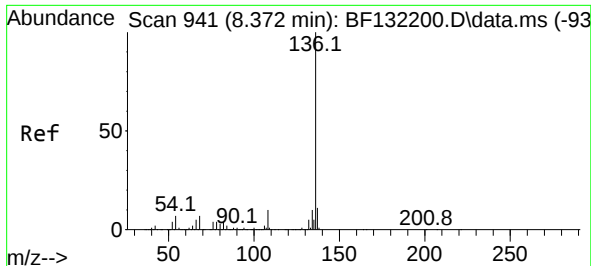
Tgt Ion: 99 Resp: 964405
Ion Ratio Lower Upper
99 100
42 13.1 11.3 16.9
71 31.9 26.3 39.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.193 ng
RT: 7.642 min Scan# 817
Delta R.T. 0.153 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion: 70 Resp: 73731
Ion Ratio Lower Upper
70 100
42 34.9 36.2 54.4#
101 0.0 7.9 11.9#
130 2.1 15.9 23.9#

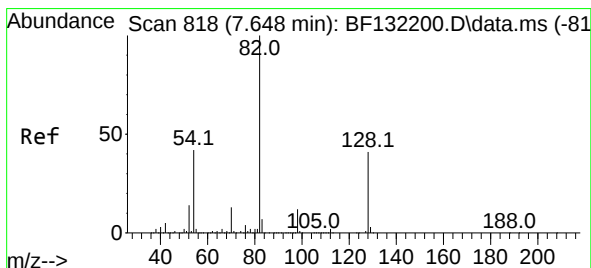
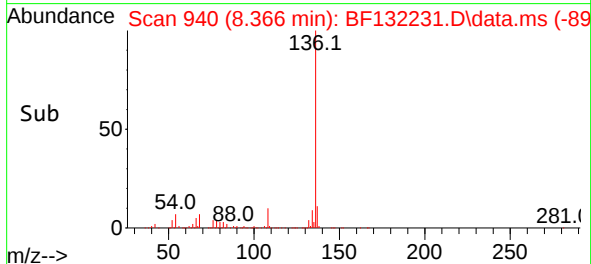
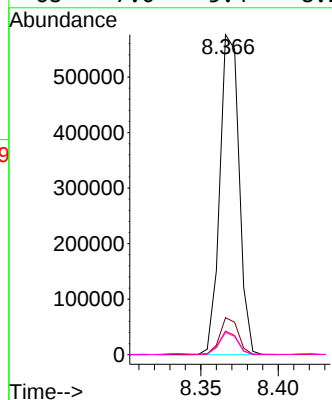
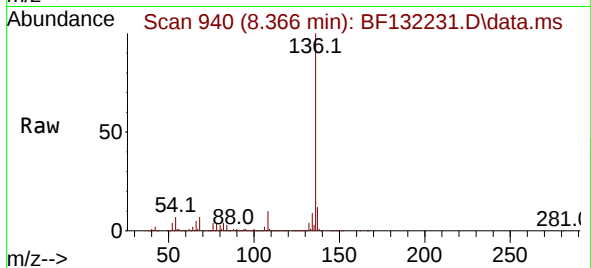




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

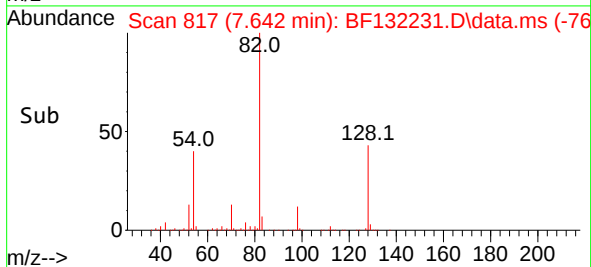
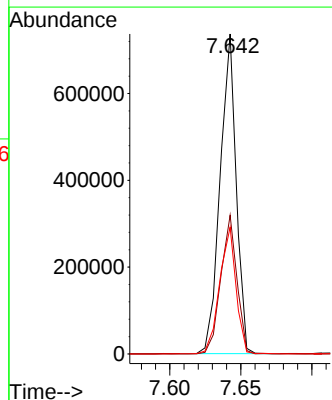
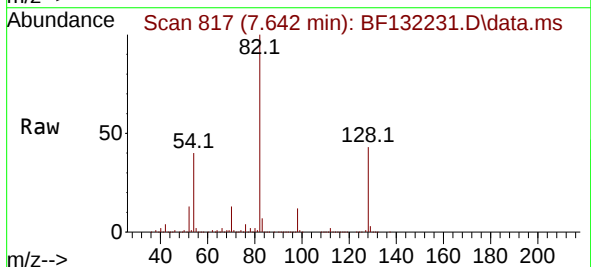
Instrument :
BNA_F
ClientSampleId :
JC-1-012323

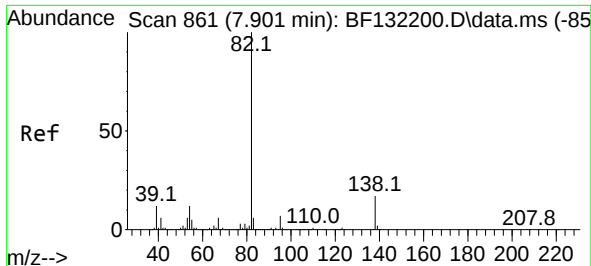
Tgt Ion:136 Resp: 499654
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.3 5.4 8.2
68 7.0 5.4 8.2



#23
Nitrobenzene-d5
Concen: 60.543 ng
RT: 7.642 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion: 82 Resp: 577823
Ion Ratio Lower Upper
82 100
128 43.4 32.7 49.1
54 39.6 33.3 49.9

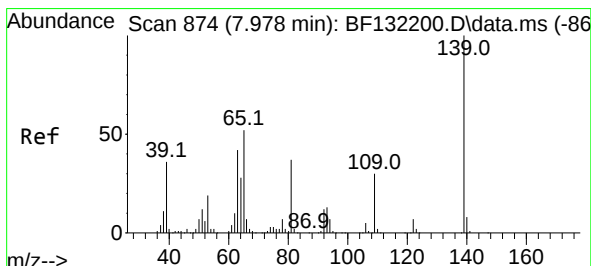
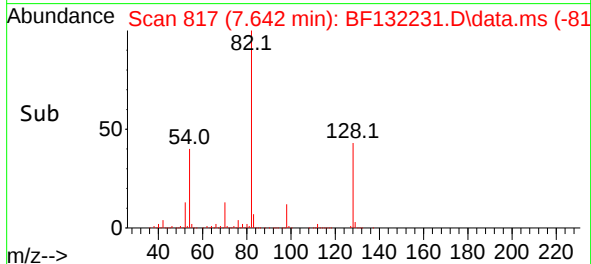
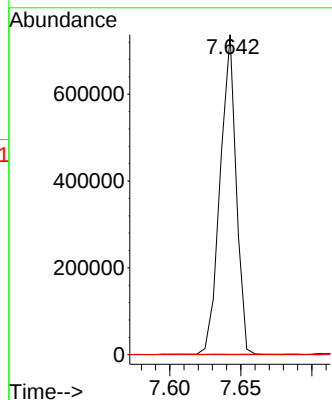
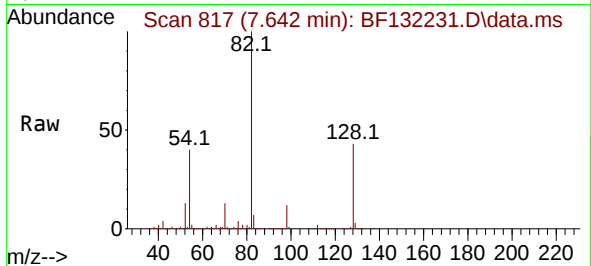




#25
Isophorone
Concen: 31.481 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

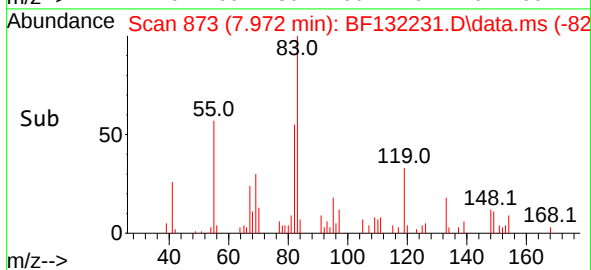
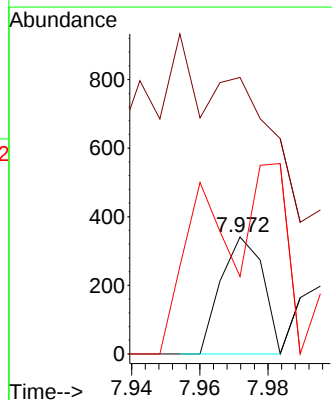
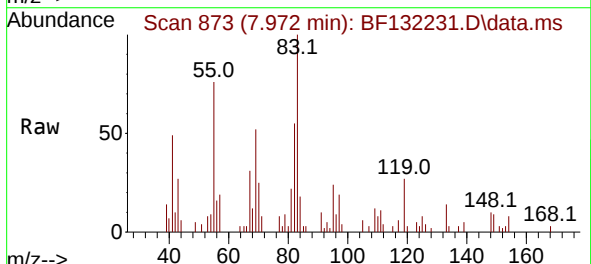
Instrument :
BNA_F
ClientSampleId :
JC-1-012323

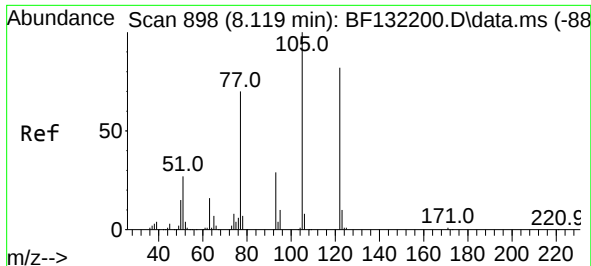
Tgt Ion: 82 Resp: 577823
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 13.4 20.0#



#26
2-Nitrophenol
Concen: 2.507 ng
RT: 7.972 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:139 Resp: 292
Ion Ratio Lower Upper
139 100
109 236.4 24.2 36.4#
65 66.3 41.6 62.4#

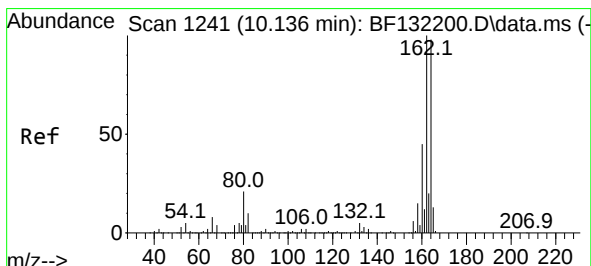
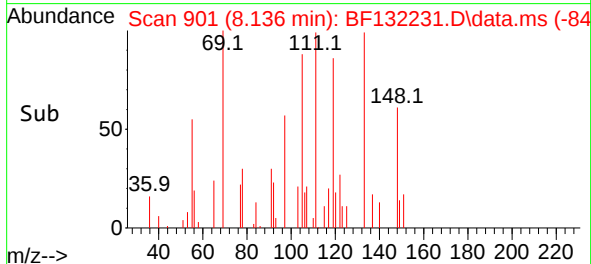
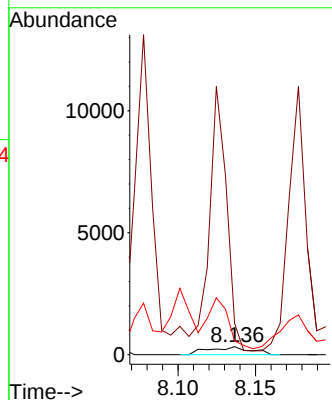
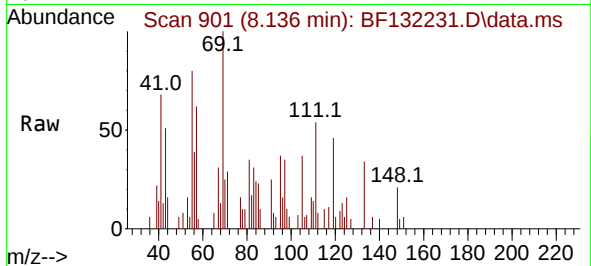




#32
Benzoic acid
Concen: 7.398 ng
RT: 8.136 min Scan# 901
Delta R.T. 0.018 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

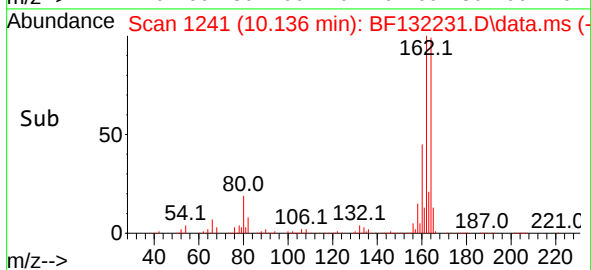
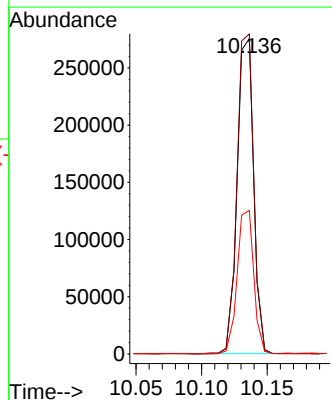
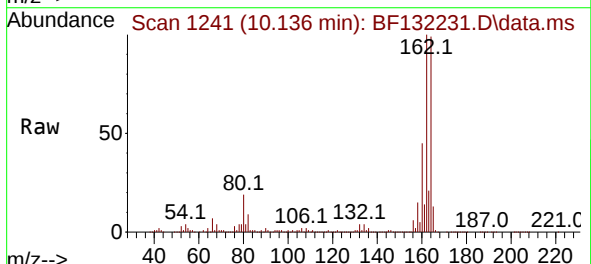
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ClientSampleId :
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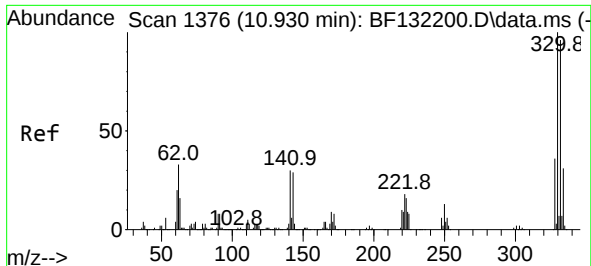
Tgt Ion:122 Resp: 606
Ion Ratio Lower Upper
122 100
105 394.8 101.5 141.5#
77 173.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.136 min Scan# 1241
Delta R.T. 0.000 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:164 Resp: 241790
Ion Ratio Lower Upper
164 100
162 101.5 81.5 122.3
160 45.5 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 82.845 ng

RT: 10.925 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF132231.D

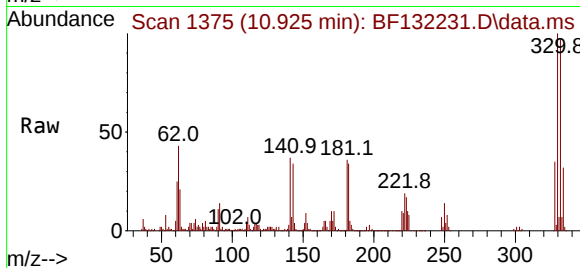
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Instrument :

BNA_F

ClientSampleId :

JC-1-012323



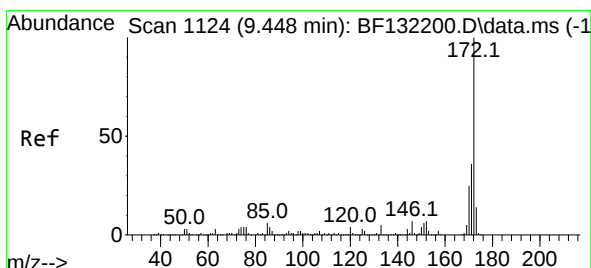
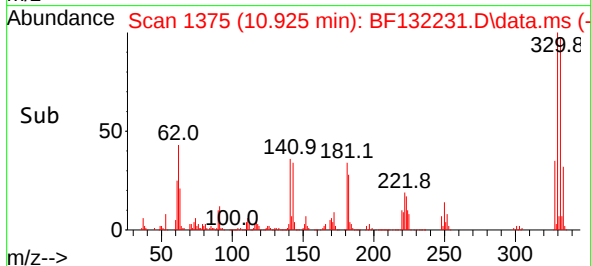
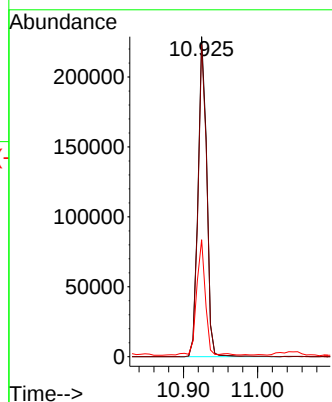
Tgt Ion:330 Resp: 185486

Ion Ratio Lower Upper

330 100

332 97.2 75.7 113.5

141 36.1 30.7 46.1



#45

2-Fluorobiphenyl

Concen: 57.287 ng

RT: 9.442 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

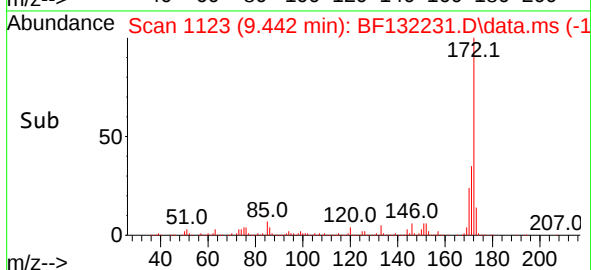
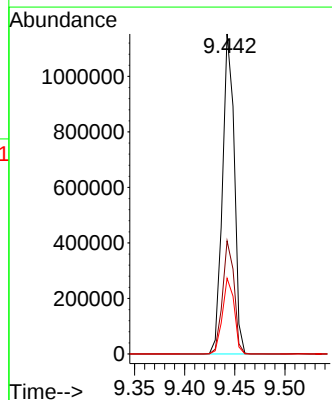
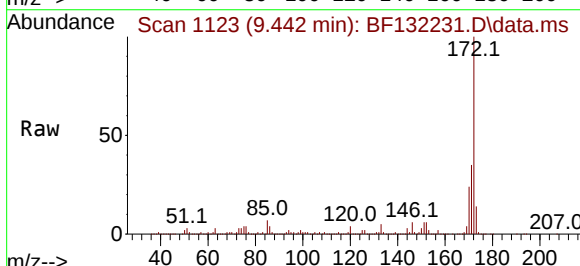
Tgt Ion:172 Resp: 941345

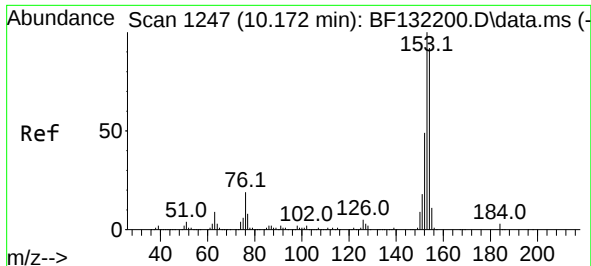
Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 23.7 20.2 30.4

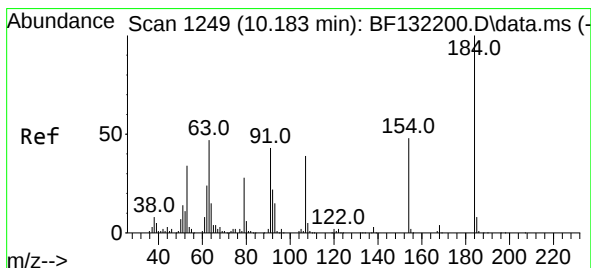
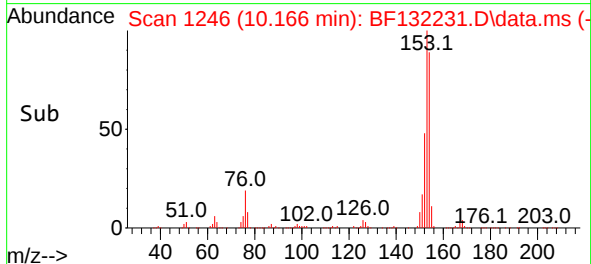
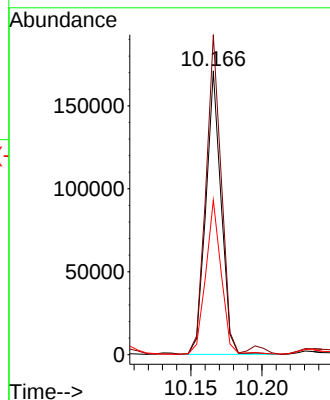
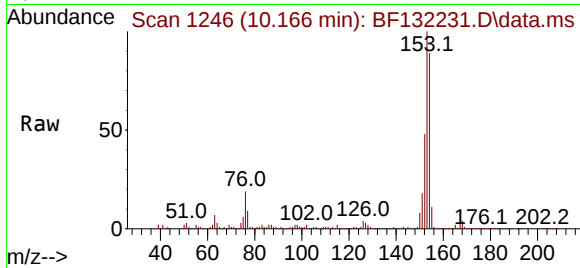




#52
Acenaphthene
Concen: 9.286 ng
RT: 10.166 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

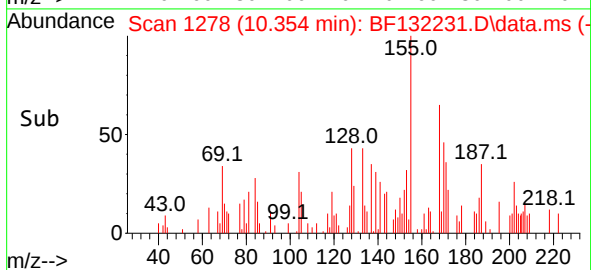
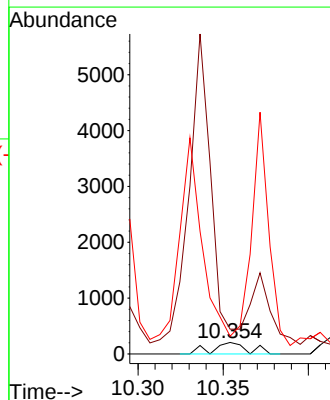
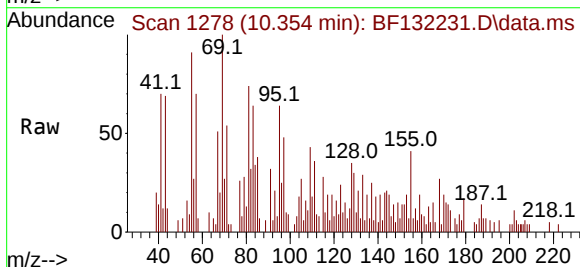
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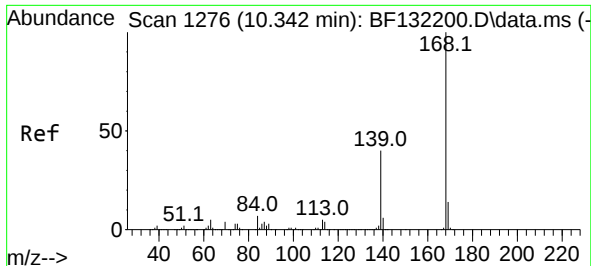
Tgt Ion:154 Resp: 128297
Ion Ratio Lower Upper
154 100
153 112.8 87.3 130.9
152 54.5 43.2 64.8



#54
2,4-Dinitrophenol
Concen: 6.928 ng
RT: 10.354 min Scan# 1278
Delta R.T. 0.171 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:184 Resp: 293
Ion Ratio Lower Upper
184 100
63 216.6 39.8 59.6#
154 154.6 54.2 81.2#

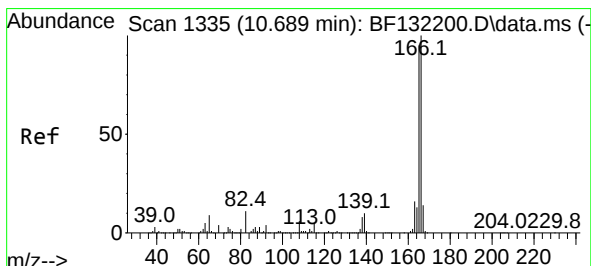
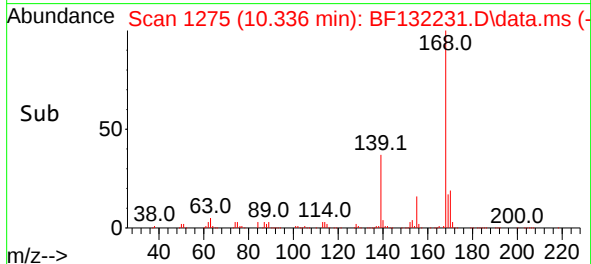
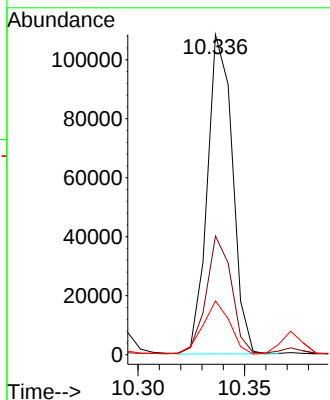
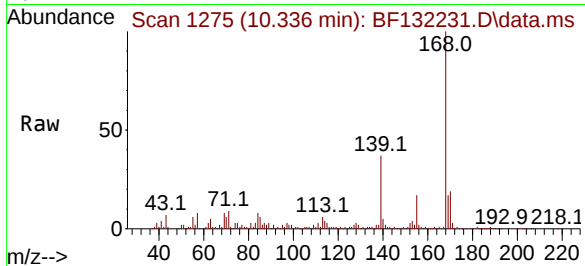




#55
Dibenzenofuran
Concen: 4.296 ng
RT: 10.336 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

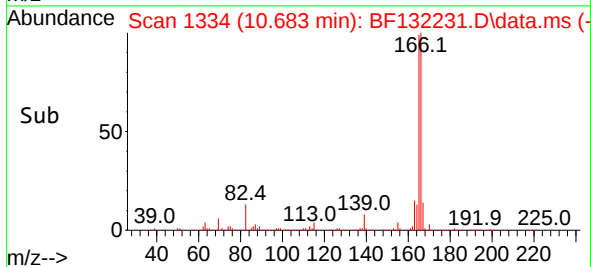
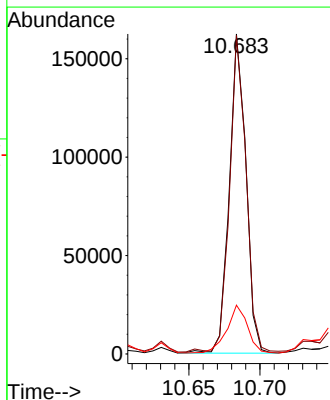
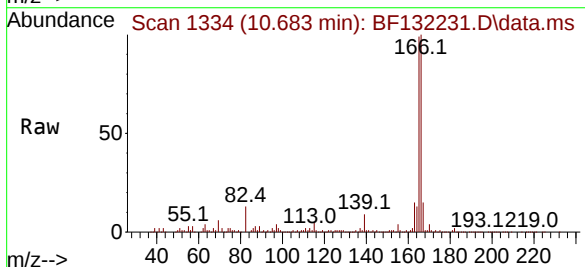
Instrument :
BNA_F
ClientSampleId :
JC-1-012323

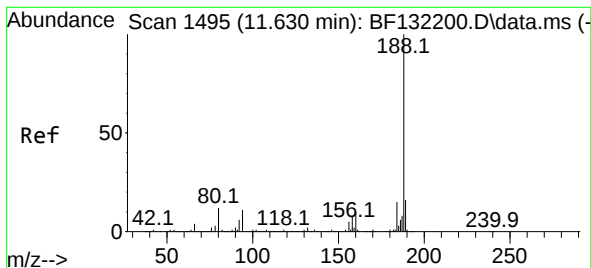
Tgt Ion:168 Resp: 88921
Ion Ratio Lower Upper
168 100
139 37.1 31.7 47.5
169 16.8 11.1 16.7#



#58
Fluorene
Concen: 8.343 ng
RT: 10.683 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:166 Resp: 131897
Ion Ratio Lower Upper
166 100
165 99.5 76.3 114.5
167 15.2 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.636 min Scan# 1495

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

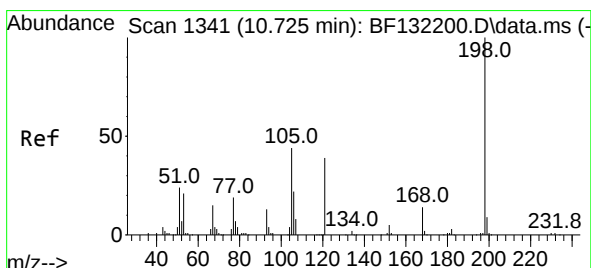
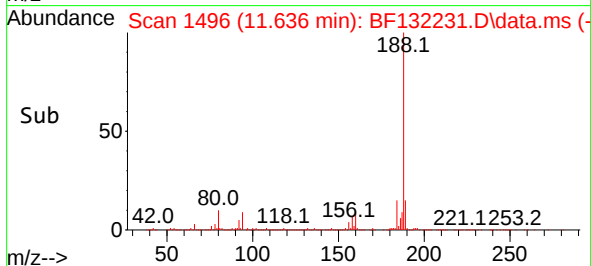
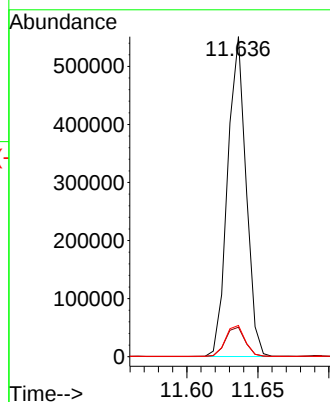
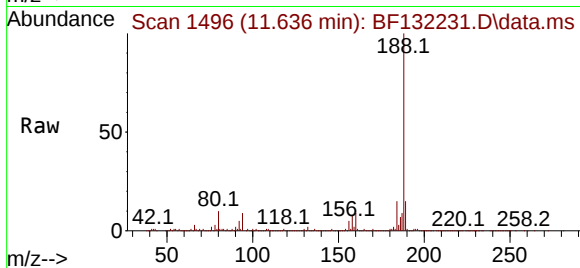
Tgt Ion:188 Resp: 496088

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

80 9.8 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 5.340 ng

RT: 10.742 min Scan# 1344

Delta R.T. 0.017 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

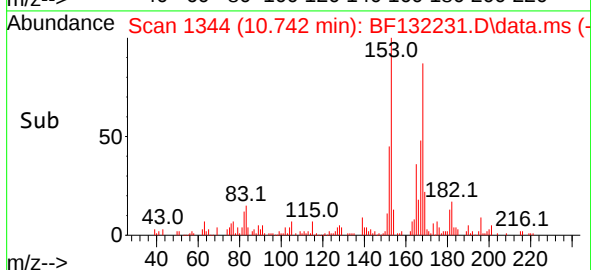
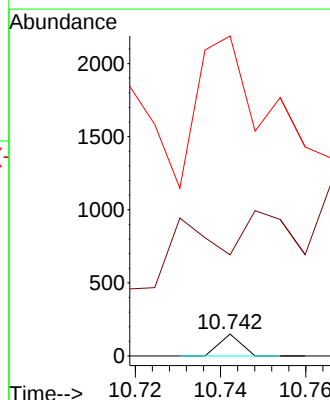
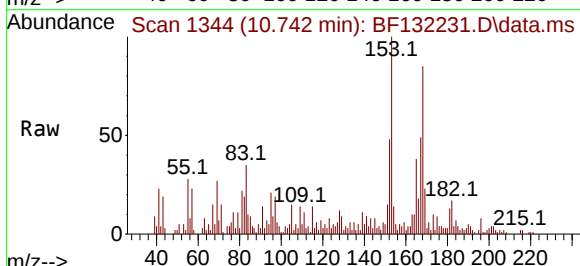
Tgt Ion:198 Resp: 53

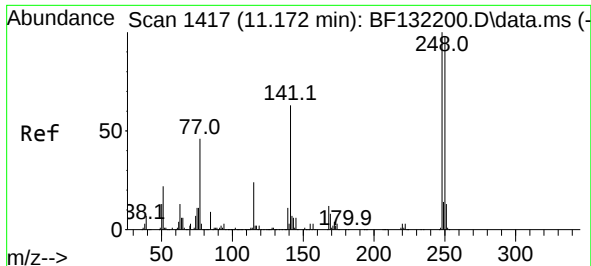
Ion Ratio Lower Upper

198 100

51 461.3 14.9 54.9#

105 1459.3 24.2 64.2#

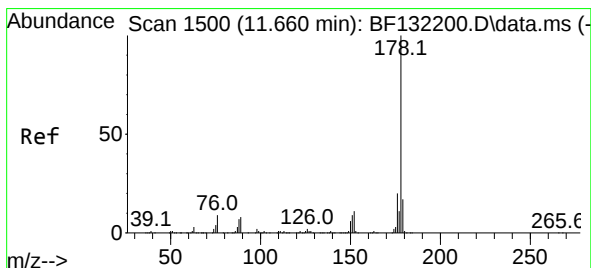
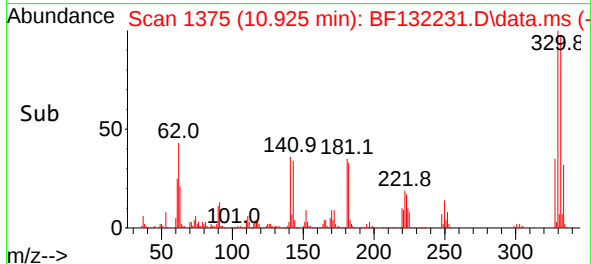
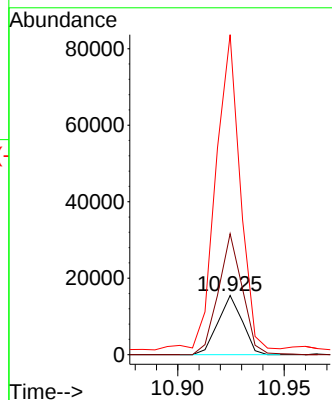
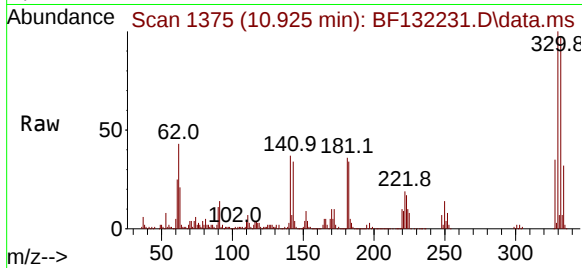




#67
4-Bromophenyl-phenylether
Concen: 2.144 ng
RT: 10.925 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

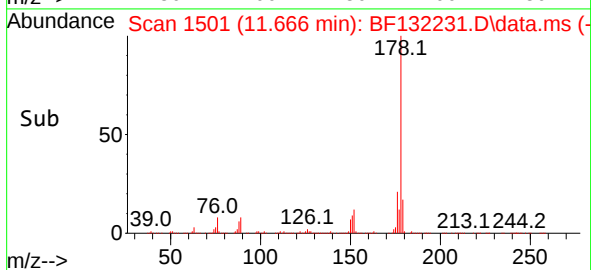
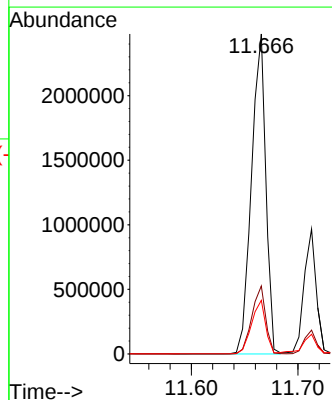
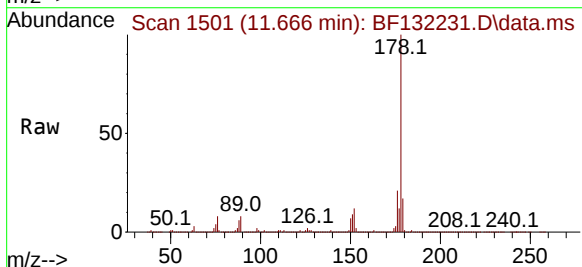
Instrument :
BNA_F
ClientSampleId :
JC-1-012323

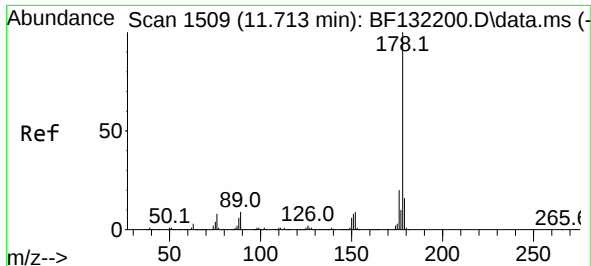
Tgt Ion:248 Resp: 12243
Ion Ratio Lower Upper
248 100
250 204.5 78.5 117.7#
141 540.9 50.2 75.4#



#71
Phenanthrene
Concen: 91.495 ng
RT: 11.666 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:178 Resp: 2309054
Ion Ratio Lower Upper
178 100
176 21.3 16.4 24.6
179 16.8 13.3 19.9

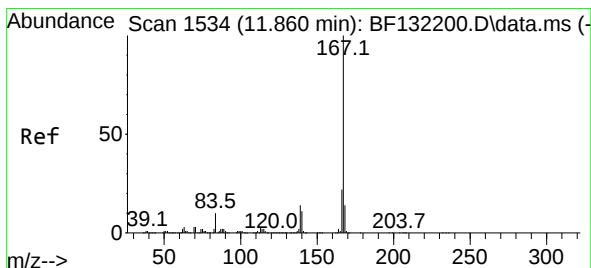
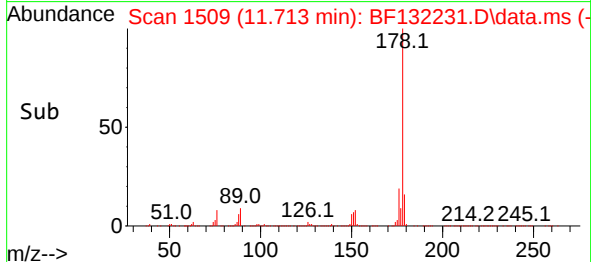
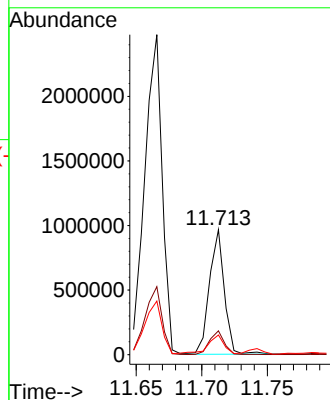
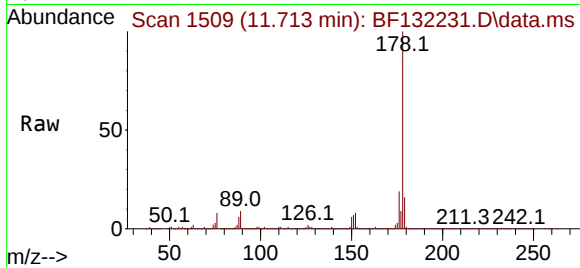




#72
 Anthracene
 Concen: 29.905 ng
 RT: 11.713 min Scan# 1509
 Delta R.T. 0.000 min
 Lab File: BF132231.D
 Acq: 31 Jan 2023 02:12

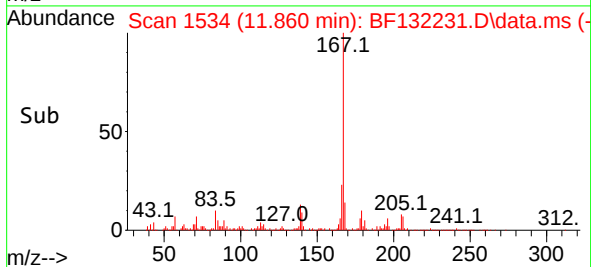
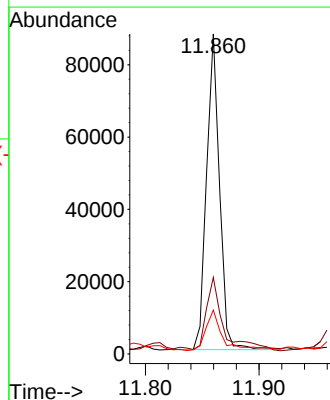
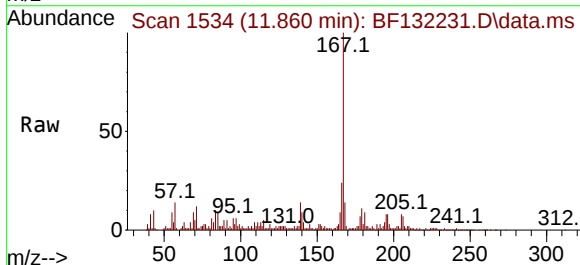
Instrument :
 BNA_F
 ClientSampleId :
 JC-1-012323

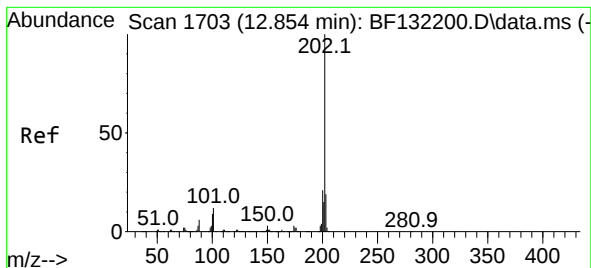
Tgt Ion:178 Resp: 768533
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.8 13.0 19.6



#73
 Carbazole
 Concen: 3.136 ng
 RT: 11.860 min Scan# 1534
 Delta R.T. 0.000 min
 Lab File: BF132231.D
 Acq: 31 Jan 2023 02:12

Tgt Ion:167 Resp: 69222
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.5 26.3
 139 13.7 10.8 16.2





#75

Fluoranthene

Concen: 144.818 ng

RT: 12.871 min Scan# 11

Delta R.T. 0.017 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

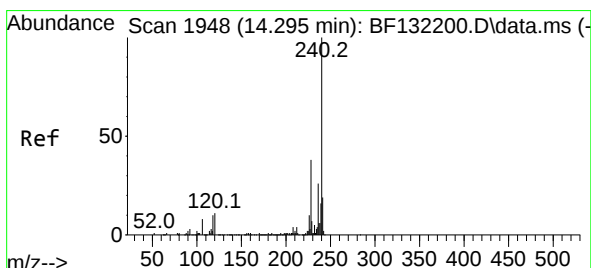
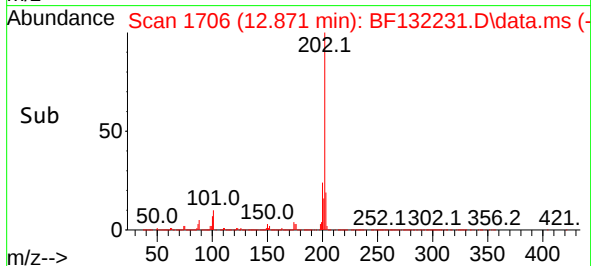
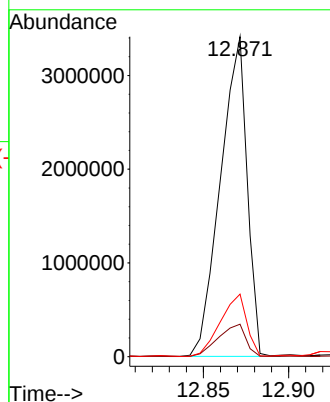
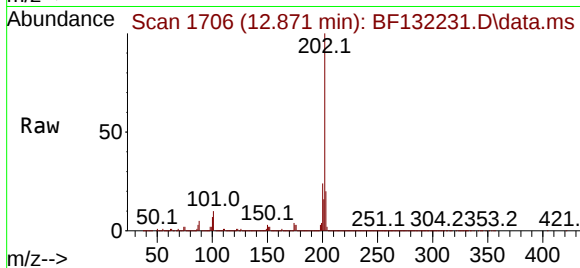
Tgt Ion:202 Resp: 3718697

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.5

203 19.5 0.0 38.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.301 min Scan# 1949

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

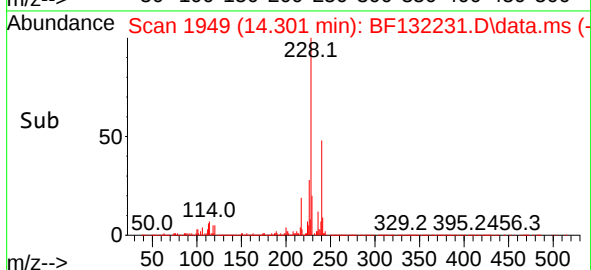
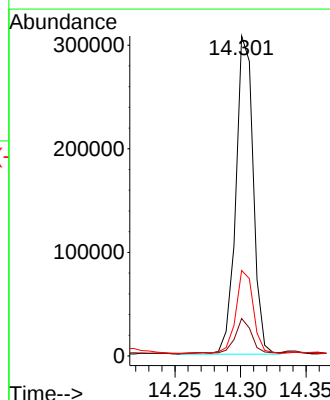
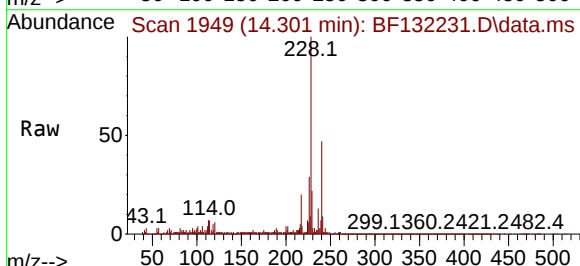
Tgt Ion:240 Resp: 284767

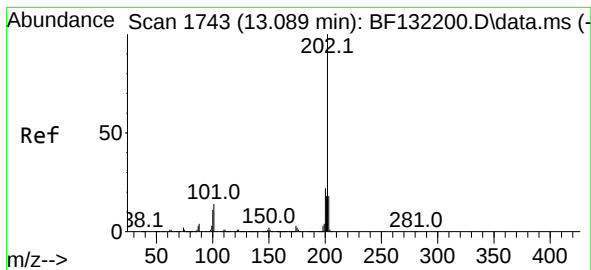
Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.4

236 26.7 20.8 31.2





#78

Pyrene

Concen: 129.849 ng

RT: 13.107 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

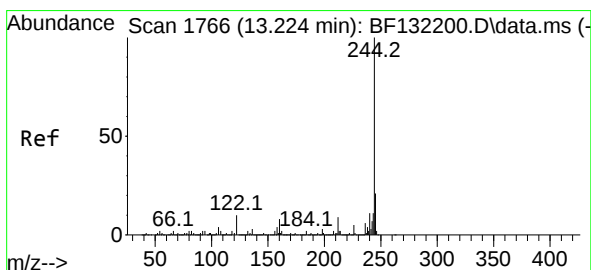
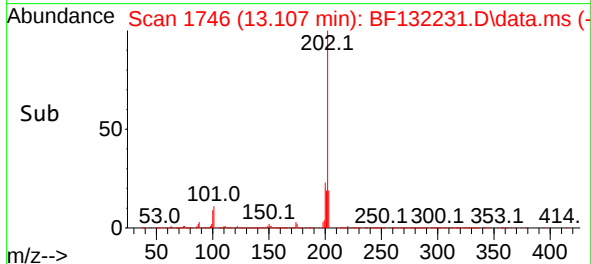
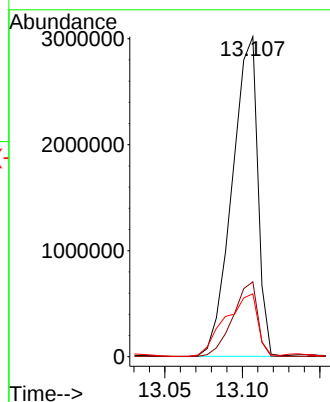
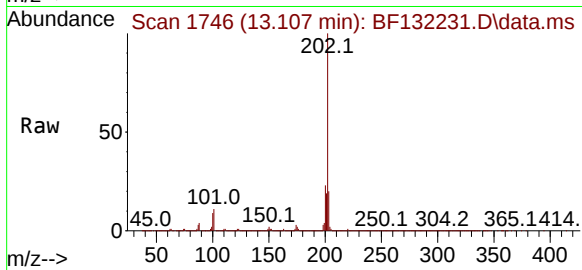
Tgt Ion:202 Resp: 3464547

Ion Ratio Lower Upper

202 100

200 23.4 17.4 26.2

203 19.7 14.7 22.1



#79

Terphenyl-d14

Concen: 58.865 ng

RT: 13.230 min Scan# 1767

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

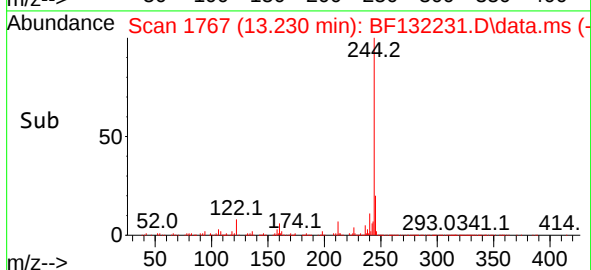
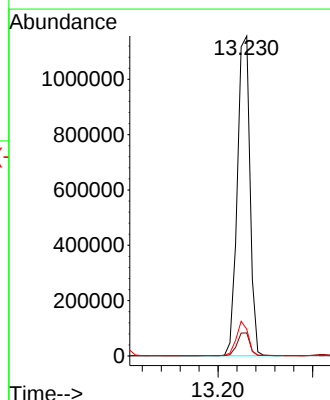
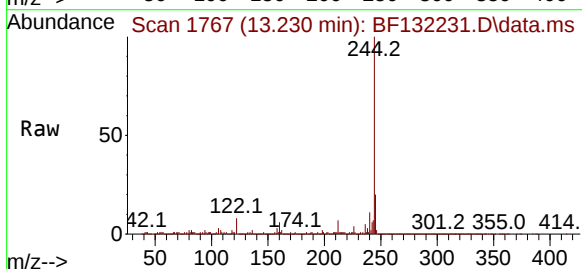
Tgt Ion:244 Resp: 1066944

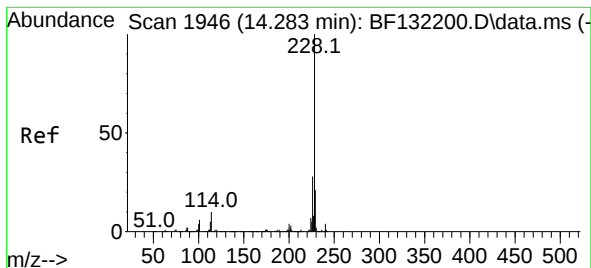
Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

122 8.3 8.3 12.5





#81

Benzo(a)anthracene

Concen: 75.560 ng

RT: 14.295 min Scan# 1948

Delta R.T. 0.012 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNF

ClientSampleId :

JC-1-012323

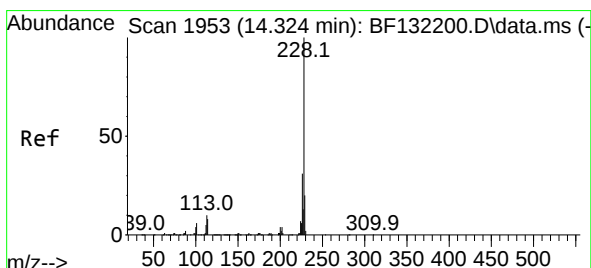
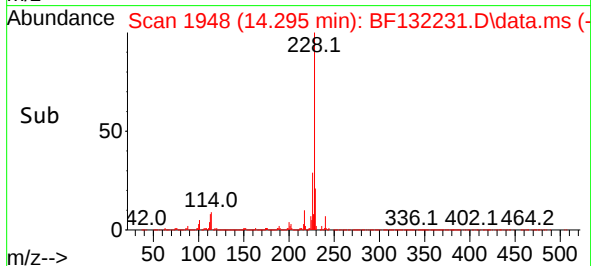
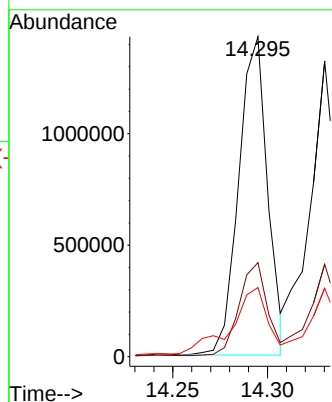
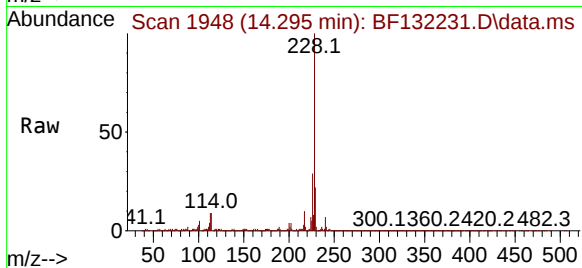
Tgt Ion:228 Resp: 1512882

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

229 21.6 16.5 24.7



#83

Chrysene

Concen: 69.430 ng

RT: 14.330 min Scan# 1954

Delta R.T. 0.006 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

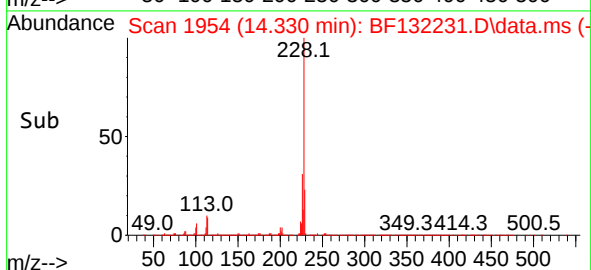
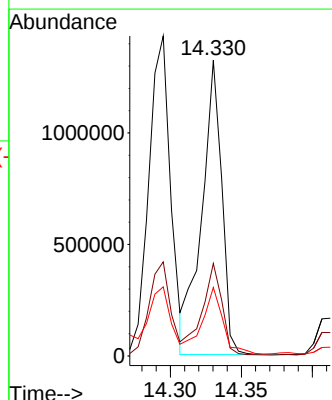
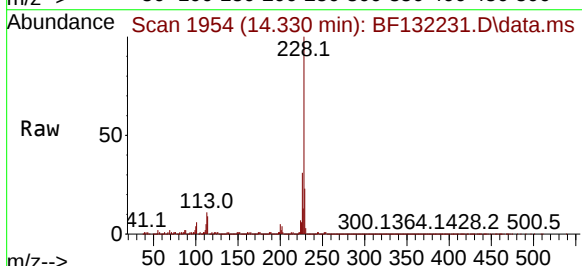
Tgt Ion:228 Resp: 1295484

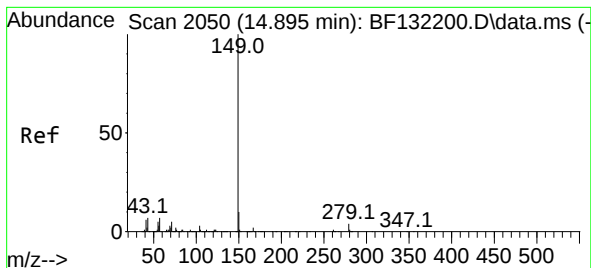
Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

229 23.2 16.2 24.4





#85

Di-n-octyl phthalate

Concen: 5.310 ng

RT: 14.895 min Scan# 2050

Delta R.T. -0.000 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

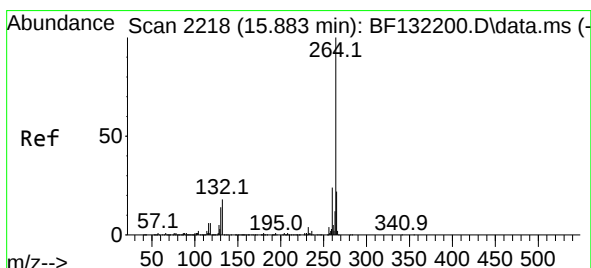
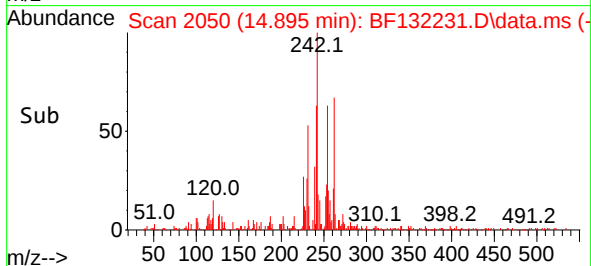
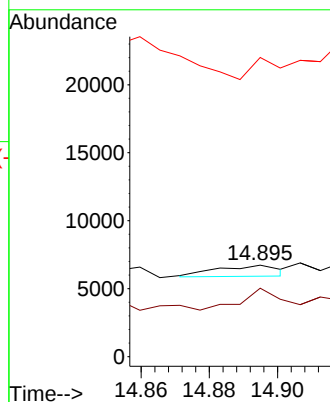
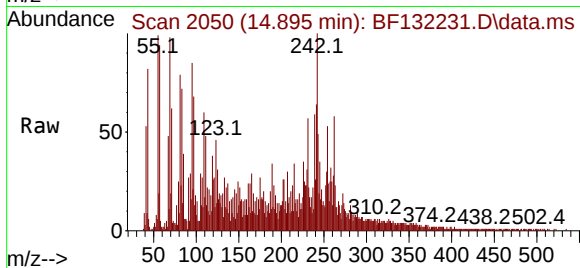
Tgt Ion:149 Resp: 1027

Ion Ratio Lower Upper

149 100

167 126.3 1.2 1.8#

43 0.0 6.6 10.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.901 min Scan# 2221

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

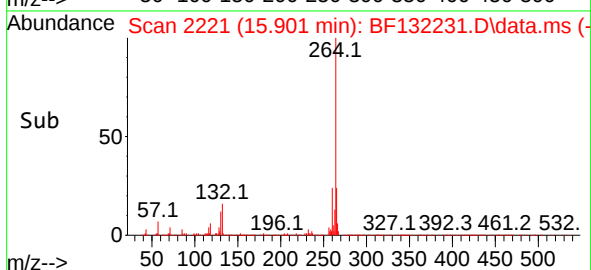
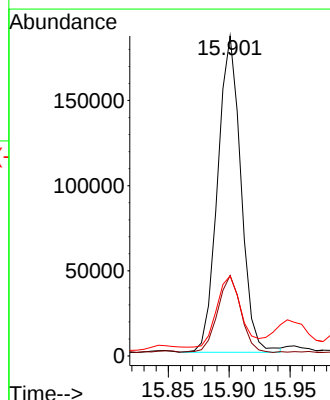
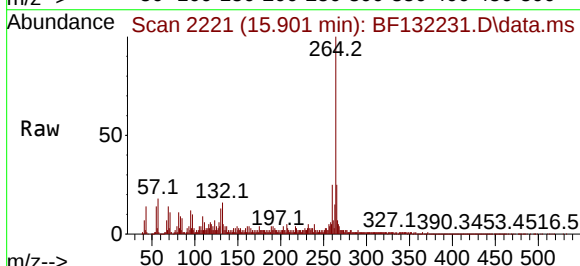
Tgt Ion:264 Resp: 246336

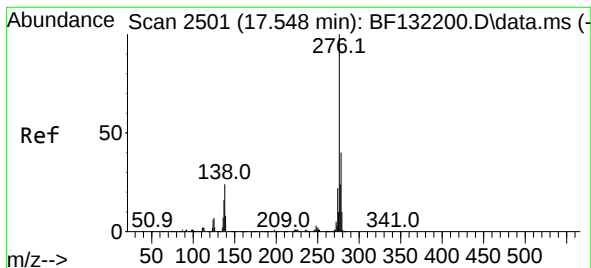
Ion Ratio Lower Upper

264 100

260 25.2 18.8 28.2

265 25.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 31.115 ng

RT: 17.565 min Scan# 2140

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

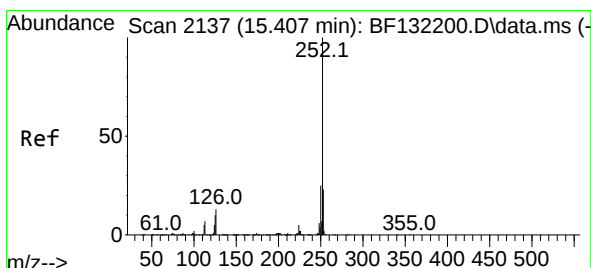
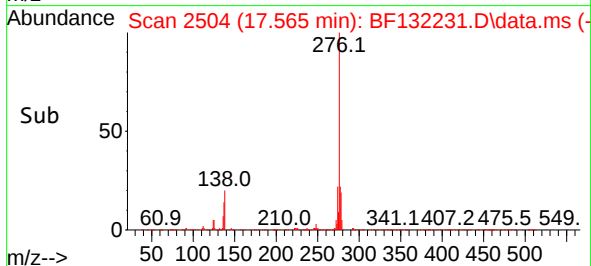
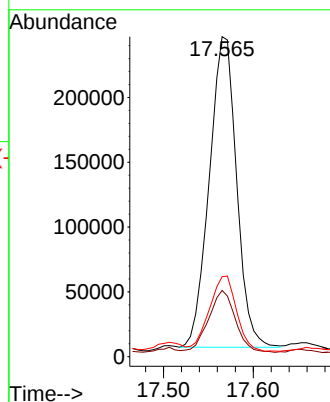
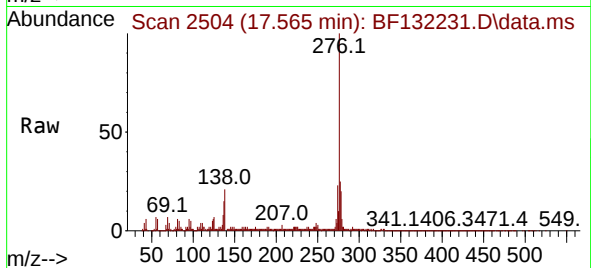
Tgt Ion:276 Resp: 506768

Ion Ratio Lower Upper

276 100

138 19.6 21.0 31.6#

277 24.1 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 119.708 ng

RT: 15.424 min Scan# 2140

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

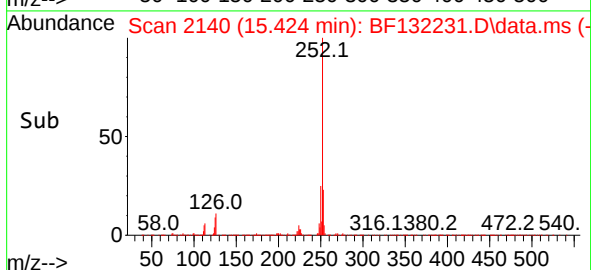
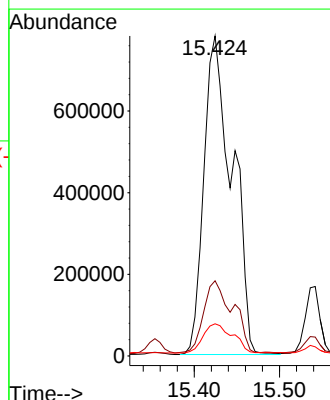
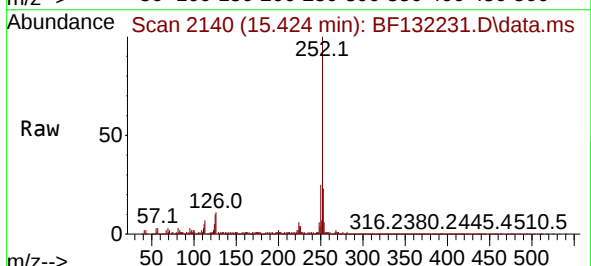
Tgt Ion:252 Resp: 1811105

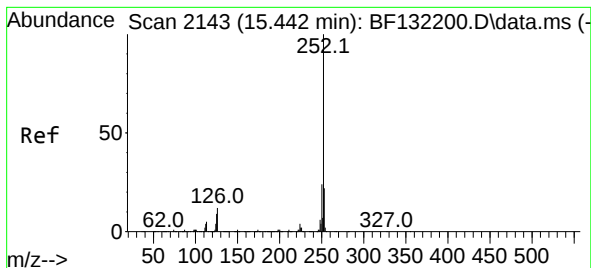
Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

125 10.0 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 116.006 ng

RT: 15.424 min Scan# 2143

Delta R.T. -0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

Instrument :

BNA_F

ClientSampleId :

JC-1-012323

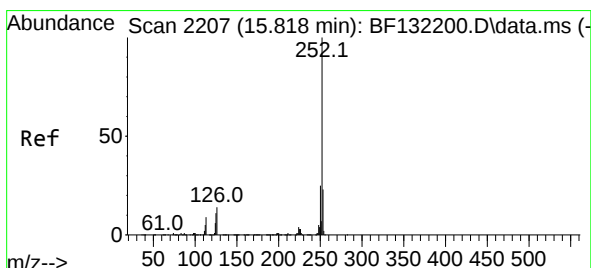
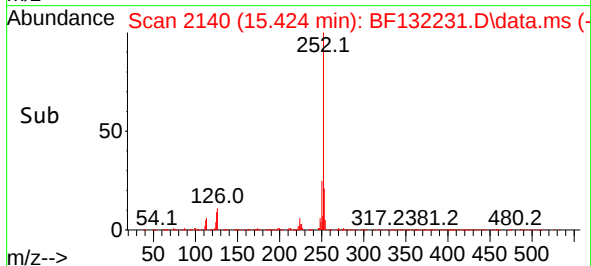
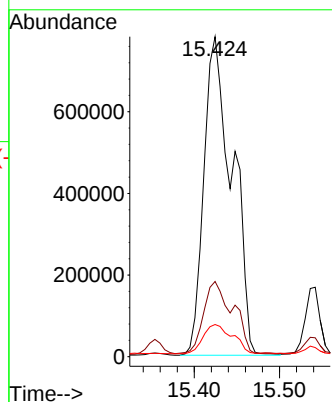
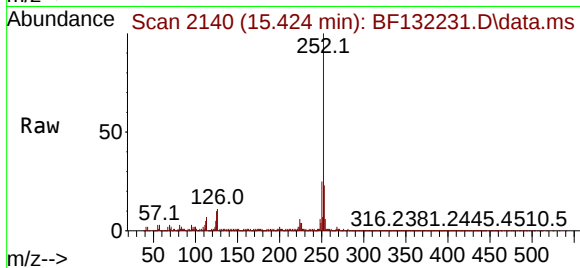
Tgt Ion:252 Resp: 1810978

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

125 10.0 7.7 11.5



#90

Benzo(a)pyrene

Concen: 69.669 ng

RT: 15.836 min Scan# 2210

Delta R.T. 0.018 min

Lab File: BF132231.D

Acq: 31 Jan 2023 02:12

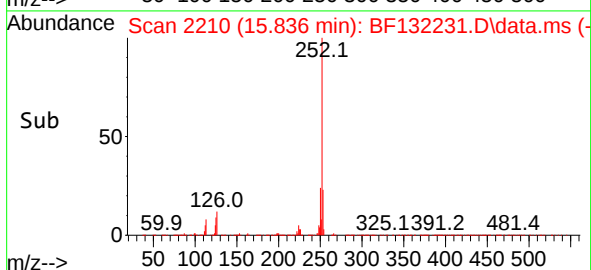
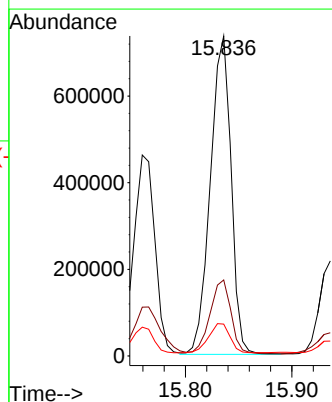
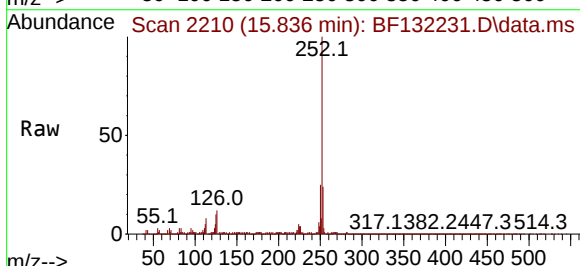
Tgt Ion:252 Resp: 994772

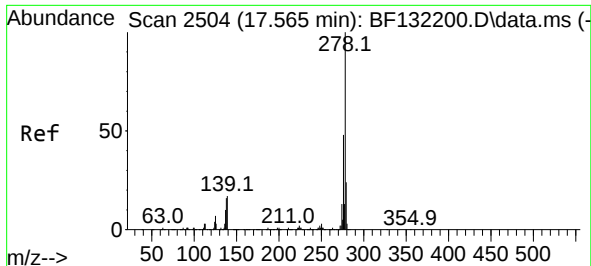
Ion Ratio Lower Upper

252 100

253 23.8 18.3 27.5

125 10.0 9.0 13.6

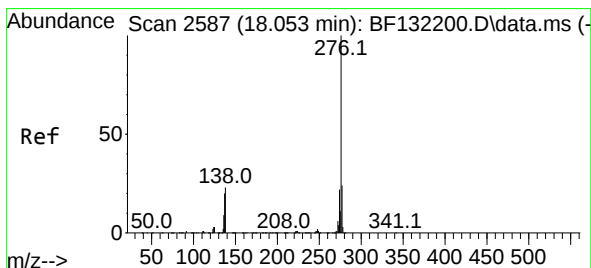
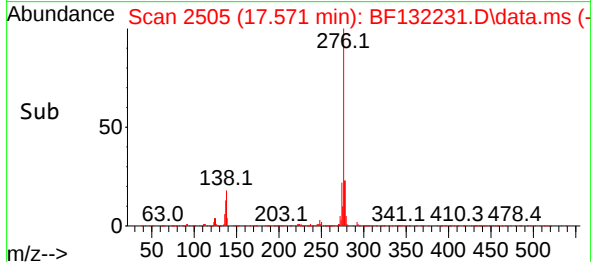
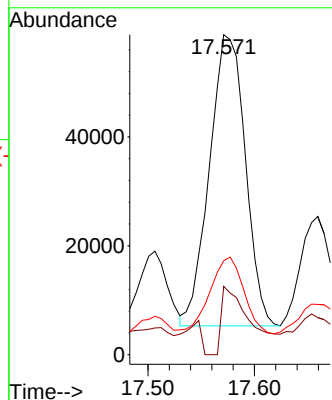
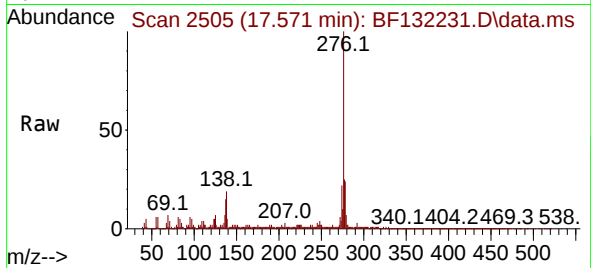




#91
Dibenzo(a,h)anthracene
Concen: 9.389 ng
RT: 17.571 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

Tgt Ion:278 Resp: 125028
Ion Ratio Lower Upper
278 100
139 21.3 13.2 19.8#
279 29.3 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 36.268 ng
RT: 18.077 min Scan# 2591
Delta R.T. 0.024 min
Lab File: BF132231.D
Acq: 31 Jan 2023 02:12

Tgt Ion:276 Resp: 492402
Ion Ratio Lower Upper
276 100
277 24.8 19.1 28.7
138 21.1 18.3 27.5

