

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132227.D
 Acq On : 31 Jan 2023 00:04
 Operator : CG\JU
 Sample : 01318-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DR-1-012523

Quant Time: Jan 31 02:32:22 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)

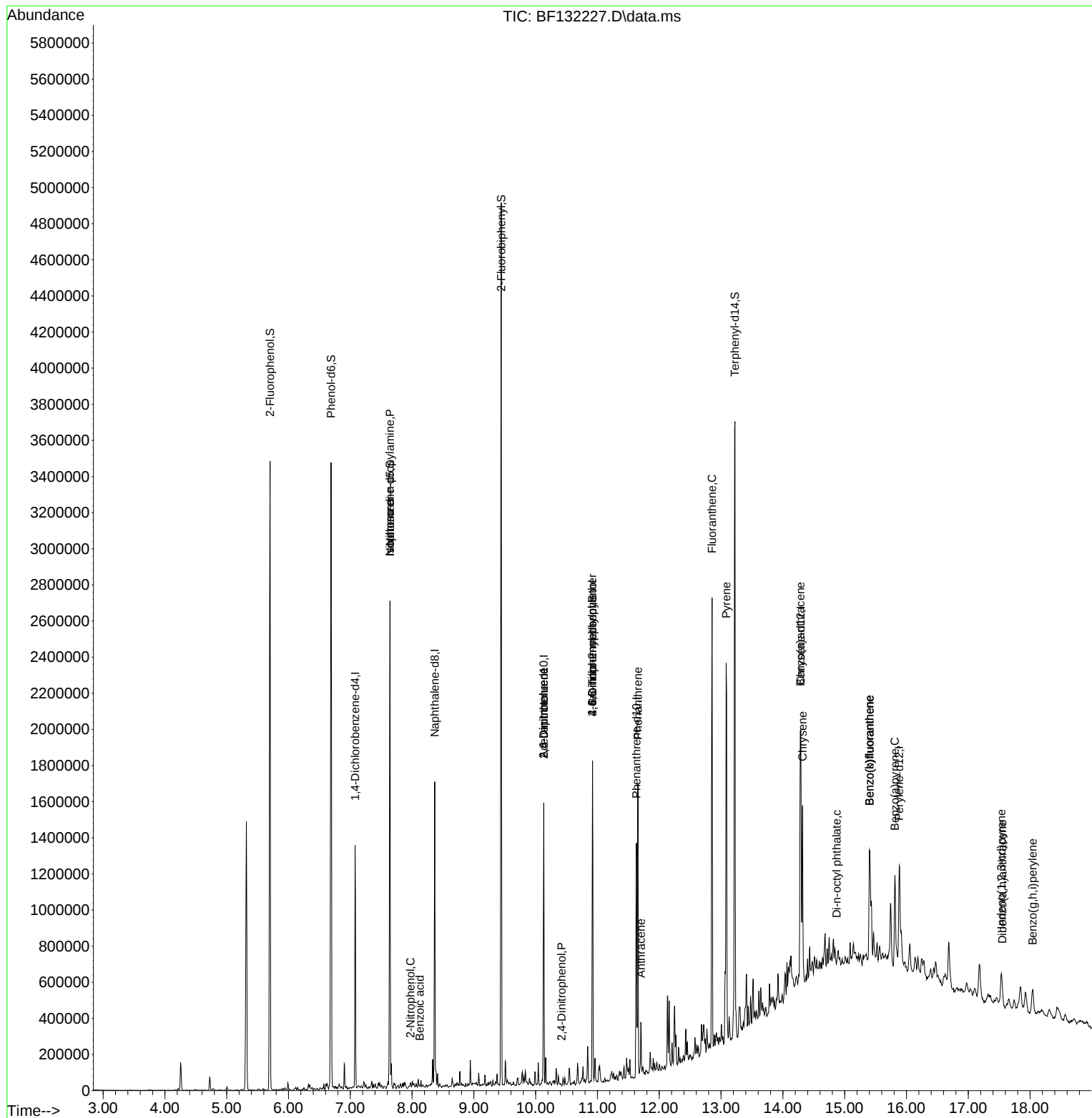
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.078	152	190100	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	643624	20.000	ng	0.00
39) Acenaphthene-d10	10.131	164	280796	20.000	ng	0.00
64) Phenanthrene-d10	11.630	188	471192	20.000	ng	0.00
76) Chrysene-d12	14.289	240	340056	20.000	ng	0.00
86) Perylene-d12	15.883	264	267744	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	1022808	89.519	ng	0.00
7) Phenol-d6	6.690	99	1376728	96.100	ng	0.00
23) Nitrobenzene-d5	7.642	82	863146	70.209	ng	0.00
42) 2,4,6-Tribromophenol	10.919	330	190939	73.434	ng	-0.01
45) 2-Fluorobiphenyl	9.442	172	1365906	71.577	ng	0.00
79) Terphenyl-d14	13.224	244	1265141	58.452	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.642	70	112870	13.090	ng	# 76
25) Isophorone	7.642	82	861429	36.434	ng	# 67
26) 2-Nitrophenol	7.972	139	190	2.473	ng	# 1
32) Benzoic acid	8.125	122	673	7.384	ng	# 61
51) 2,6-Dinitrotoluene	10.131	165	39142	9.668	ng	# 22
54) 2,4-Dinitrophenol	10.419	184	68	6.808	ng	# 21
57) 2,4-Dinitrotoluene	10.131	165	39142	7.853	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.919	198	587	5.535	ng	# 1
67) 4-Bromophenyl-phenylether	10.919	248	13105	2.416	ng	# 1
71) Phenanthrene	11.654	178	551666	23.014	ng	98
72) Anthracene	11.701	178	115014	4.712	ng	96
75) Fluoranthene	12.854	202	926562	37.990	ng	98
78) Pyrene	13.083	202	890487	27.949	ng	98
81) Benzo(a)anthracene	14.283	228	416176	17.406	ng	99
83) Chrysene	14.318	228	386029	17.325	ng	97
85) Di-n-octyl phthalate	14.871	149	1032	5.301	ng	# 60
87) Indeno(1,2,3-cd)pyrene	17.536	276	133893	7.564	ng	# 93
88) Benzo(b)fluoranthene	15.401	252	503355	30.610	ng	# 95
89) Benzo(k)fluoranthene	15.401	252	503355	29.665	ng	# 94
90) Benzo(a)pyrene	15.812	252	265295	17.094	ng	97
91) Dibenzo(a,h)anthracene	17.554	278	33932	2.344	ng	# 74
92) Benzo(g,h,i)perylene	18.042	276	135537	9.185	ng	99

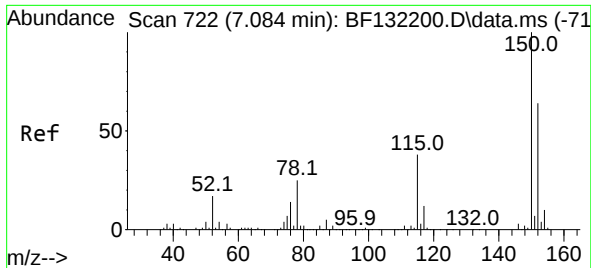
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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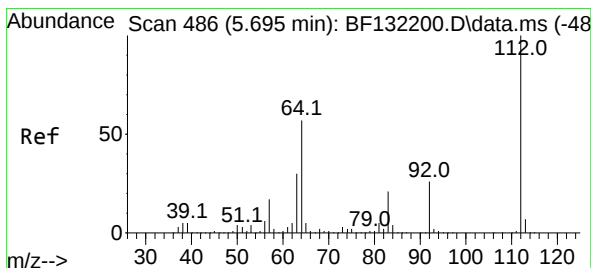
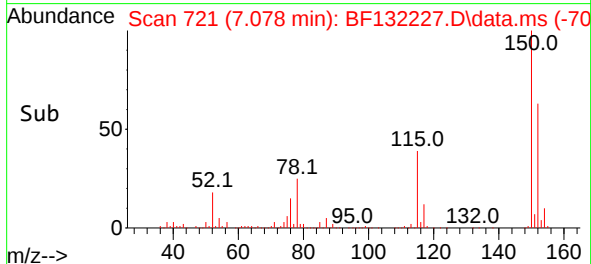
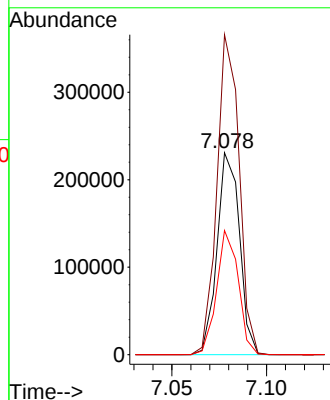
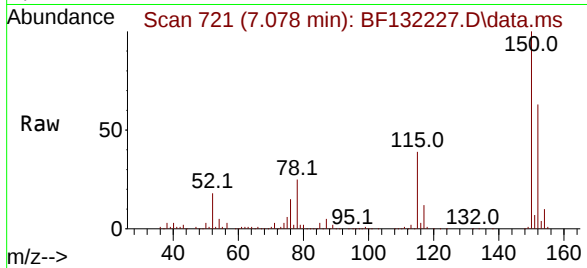




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.078 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

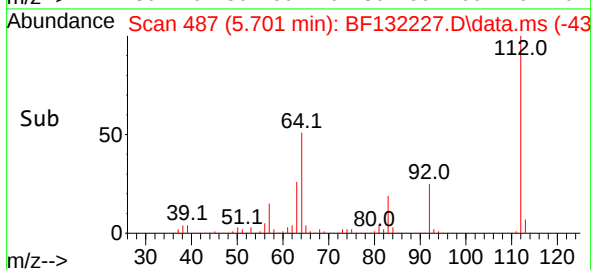
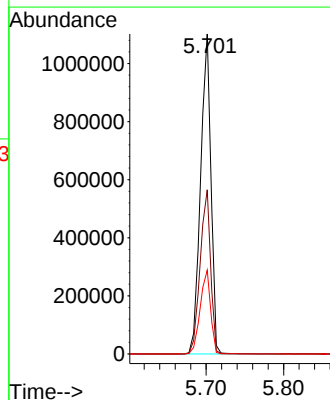
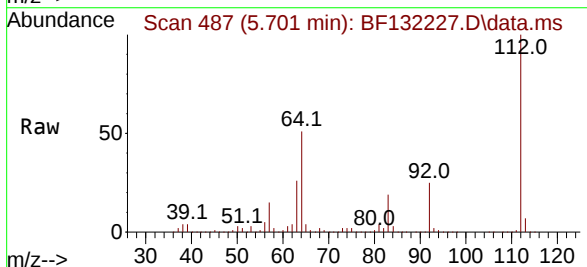
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

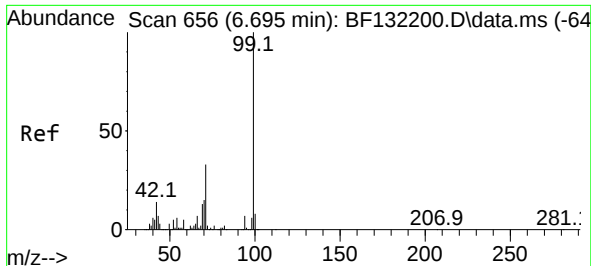
Tgt Ion:152 Resp: 190100
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 61.5 47.0 70.6



#5
2-Fluorophenol
Concen: 89.519 ng
RT: 5.701 min Scan# 487
Delta R.T. 0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:112 Resp: 1022808
Ion Ratio Lower Upper
112 100
64 51.3 45.5 68.3
63 26.2 23.7 35.5

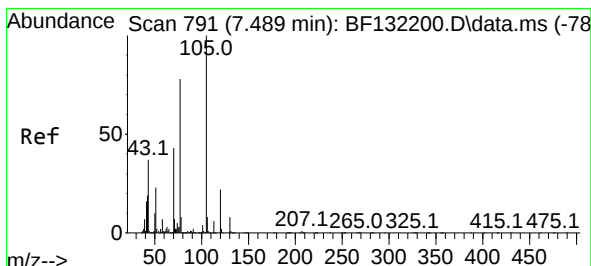
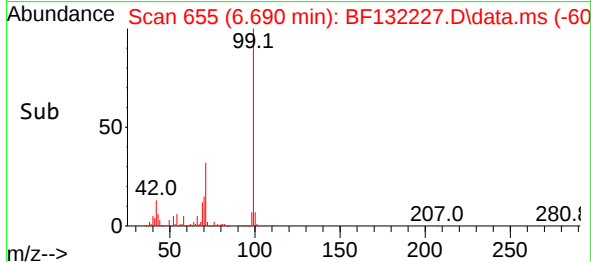
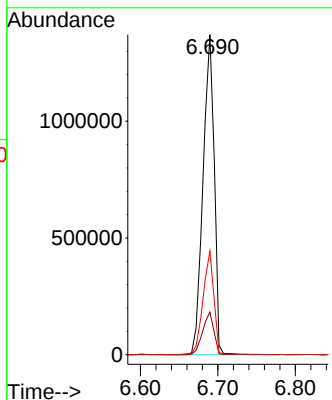
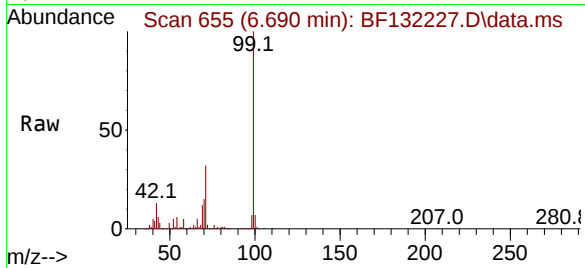




#7
Phenol-d6
Concen: 96.100 ng
RT: 6.690 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

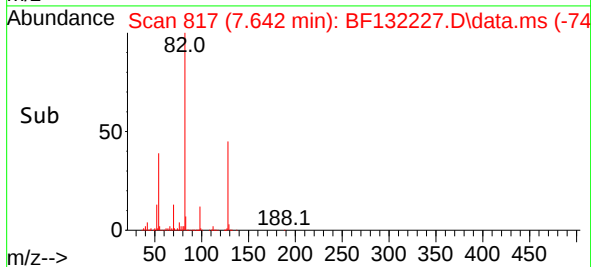
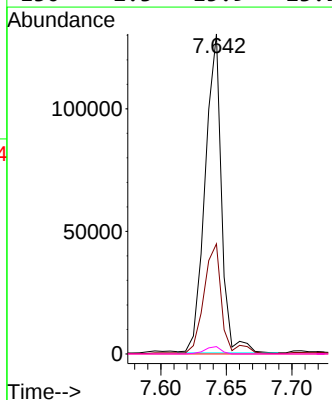
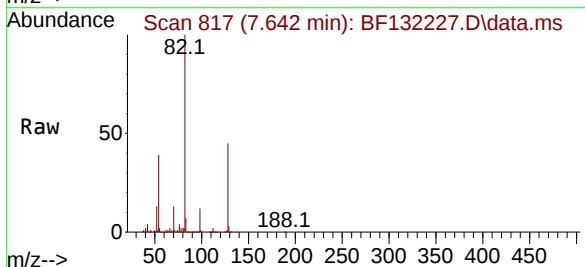
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

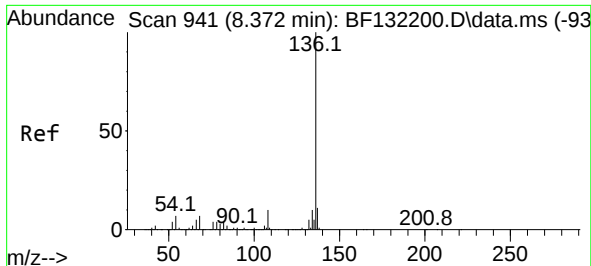
Tgt Ion: 99 Resp: 1376728
Ion Ratio Lower Upper
99 100
42 13.3 11.3 16.9
71 32.3 26.3 39.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.090 ng
RT: 7.642 min Scan# 817
Delta R.T. 0.153 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion: 70 Resp: 112870
Ion Ratio Lower Upper
70 100
42 34.4 36.2 54.4#
101 0.0 7.9 11.9#
130 2.3 15.9 23.9#



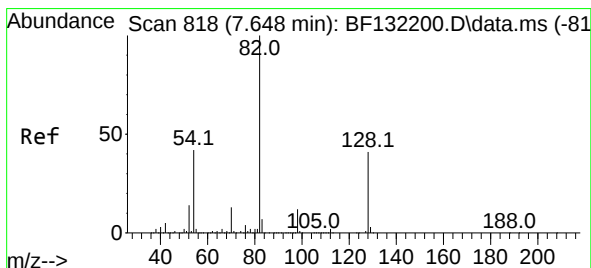
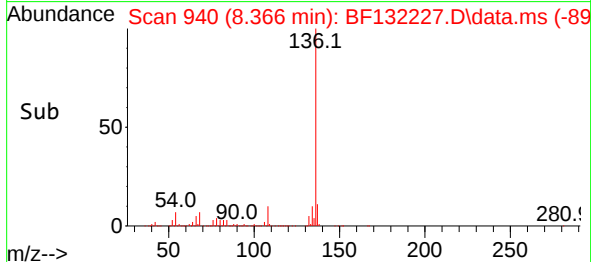
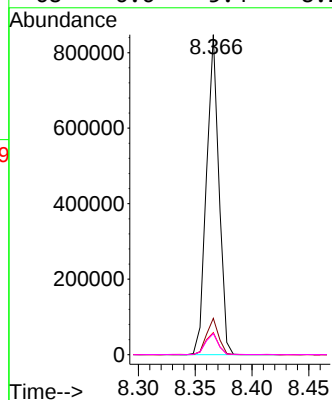
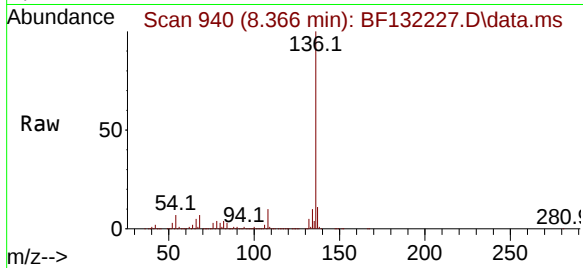


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Instrument :
BNA_F
ClientSampleId :
DR-1-012523

Tgt Ion:136 Resp: 643624

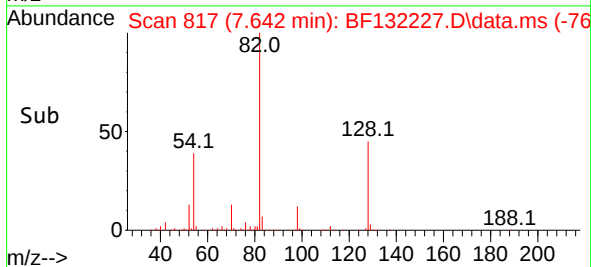
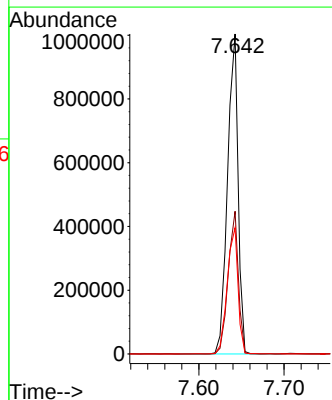
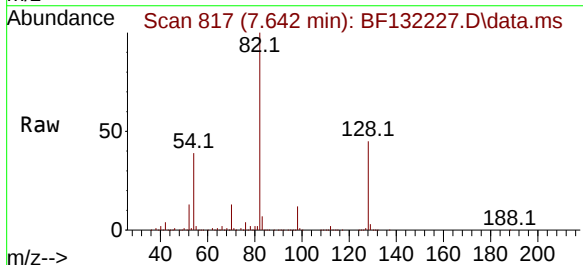
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.9	5.4	8.2
68	6.6	5.4	8.2

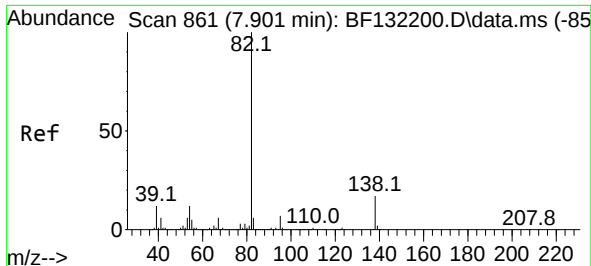


#23
Nitrobenzene-d5
Concen: 70.209 ng
RT: 7.642 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion: 82 Resp: 863146

Ion	Ratio	Lower	Upper
82	100		
128	44.6	32.7	49.1
54	39.5	33.3	49.9

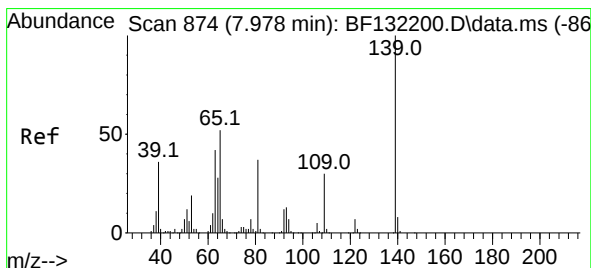
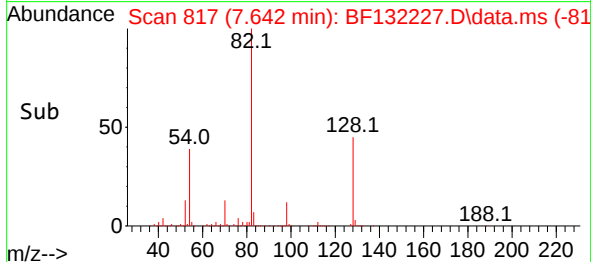
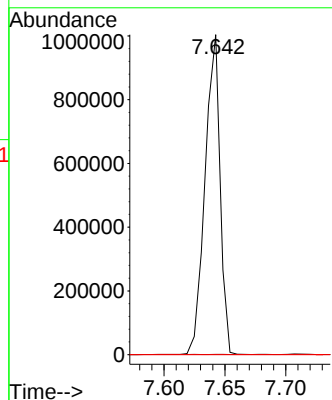
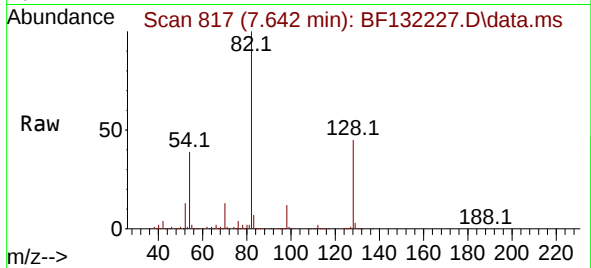




#25
Isophorone
Concen: 36.434 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

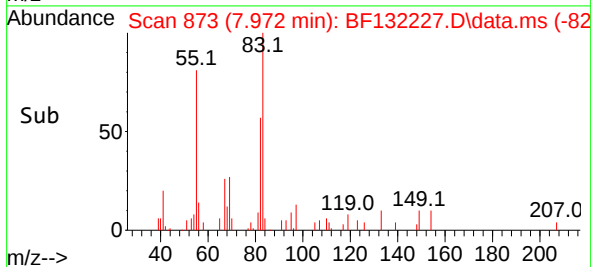
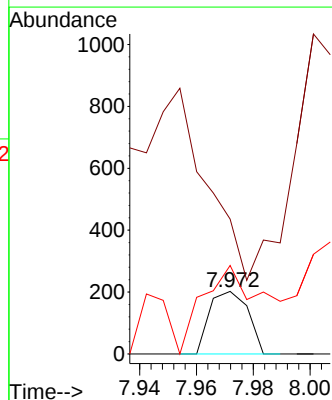
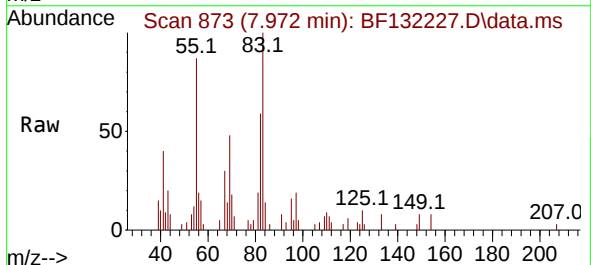
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

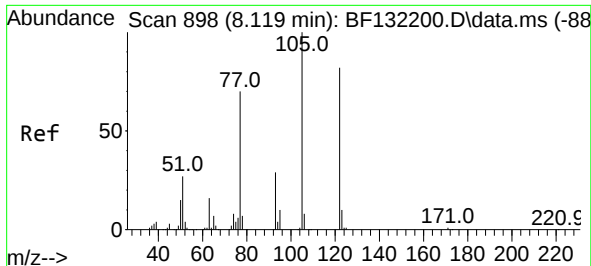
Tgt Ion: 82 Resp: 861429
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 13.4 20.0#



#26
2-Nitrophenol
Concen: 2.473 ng
RT: 7.972 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:139 Resp: 190
Ion Ratio Lower Upper
139 100
109 215.8 24.2 36.4#
65 141.6 41.6 62.4#

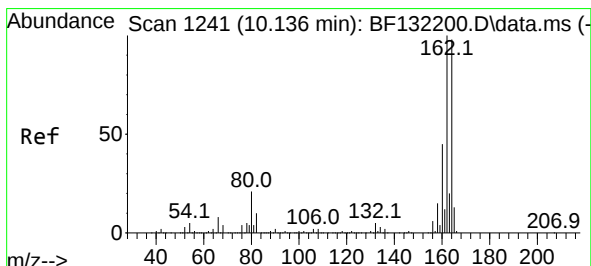
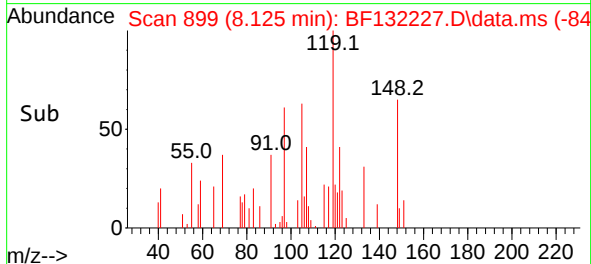
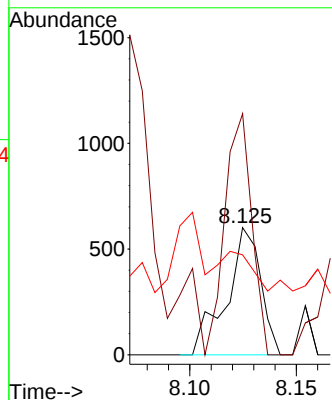
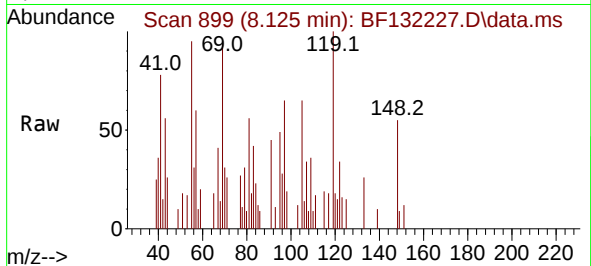




#32
Benzoic acid
Concen: 7.384 ng
RT: 8.125 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

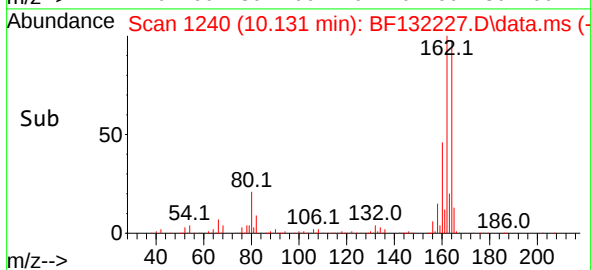
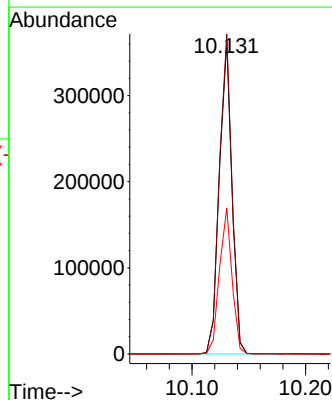
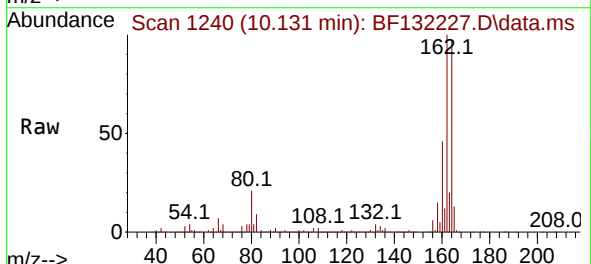
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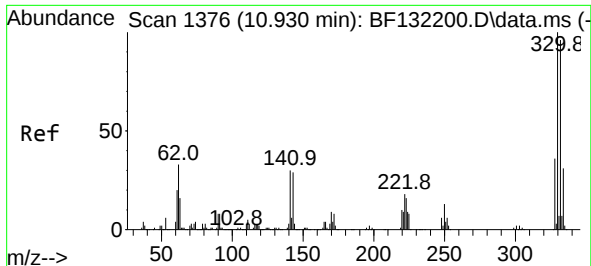
Tgt Ion:122 Resp: 673
Ion Ratio Lower Upper
122 100
105 189.7 101.5 141.5#
77 78.7 66.5 106.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.131 min Scan# 1240
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:164 Resp: 280796
Ion Ratio Lower Upper
164 100
162 102.6 81.5 122.3
160 46.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 73.434 ng

RT: 10.919 min Scan# 1123

Delta R.T. -0.012 min

Lab File: BF132227.D

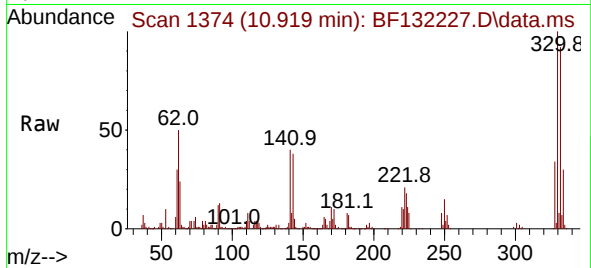
Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

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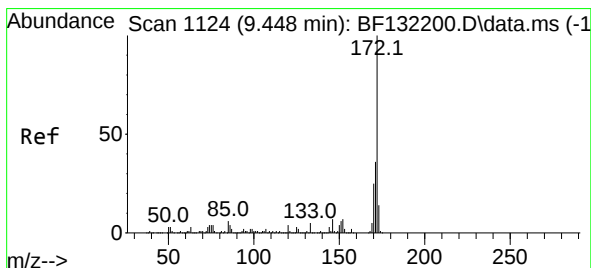
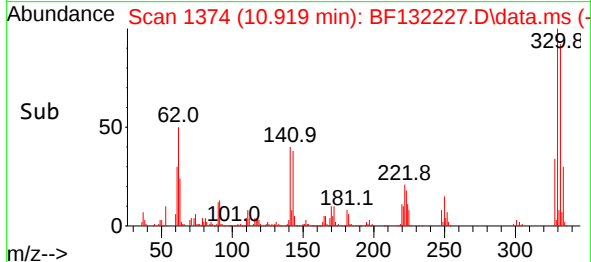
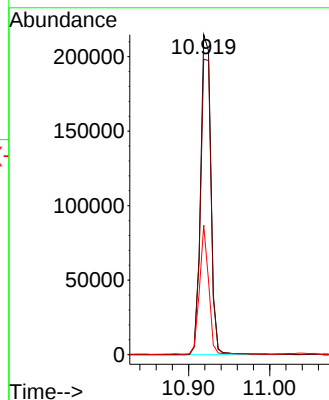
Tgt Ion:330 Resp: 190939

Ion Ratio Lower Upper

330 100

332 94.7 75.7 113.5

141 35.3 30.7 46.1



#45

2-Fluorobiphenyl

Concen: 71.577 ng

RT: 9.442 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

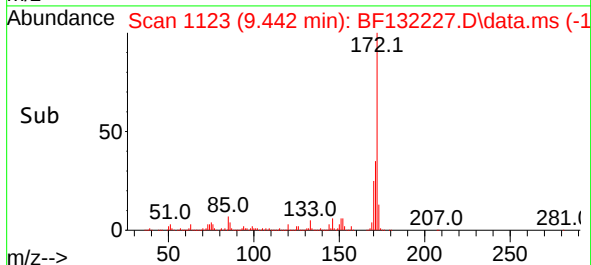
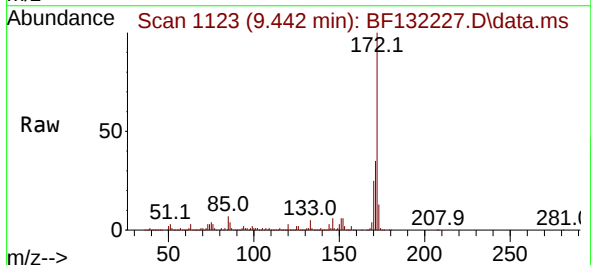
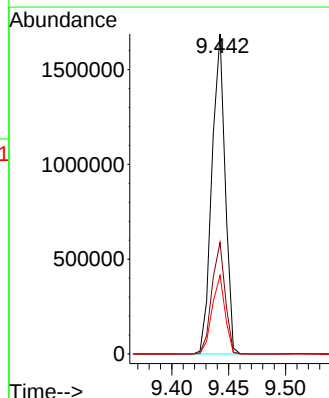
Tgt Ion:172 Resp: 1365906

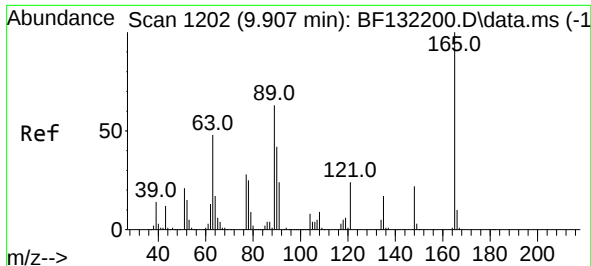
Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 24.6 20.2 30.4





#51

2,6-Dinitrotoluene

Concen: 9.668 ng

RT: 10.131 min Scan# 1

Delta R.T. 0.223 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

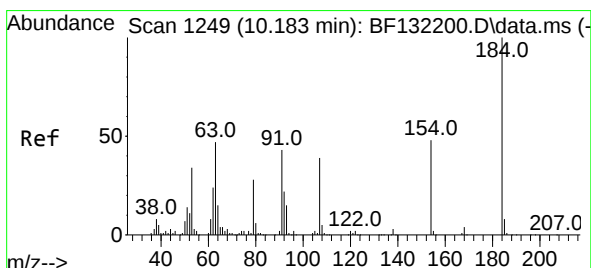
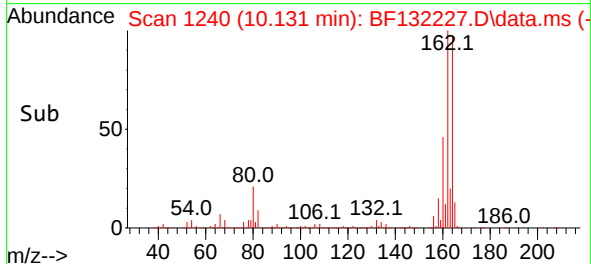
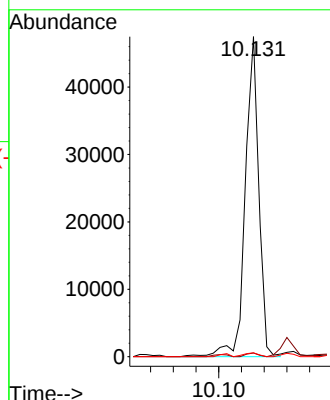
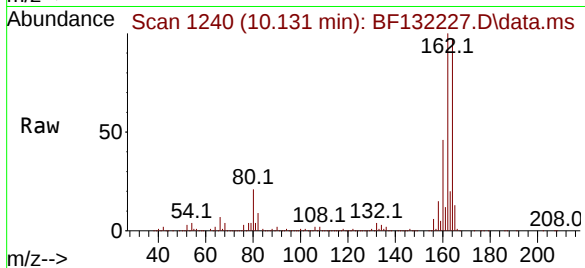
Tgt Ion:165 Resp: 39142

Ion Ratio Lower Upper

165 100

63 1.2 46.1 69.1#

89 1.2 50.3 75.5#



#54

2,4-Dinitrophenol

Concen: 6.808 ng

RT: 10.419 min Scan# 1289

Delta R.T. 0.236 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

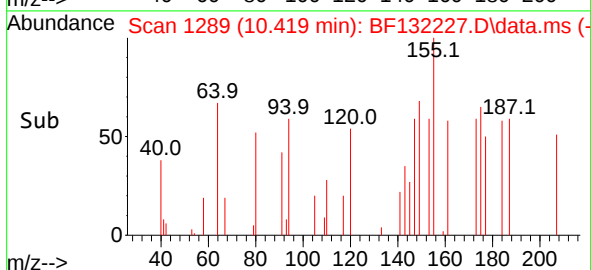
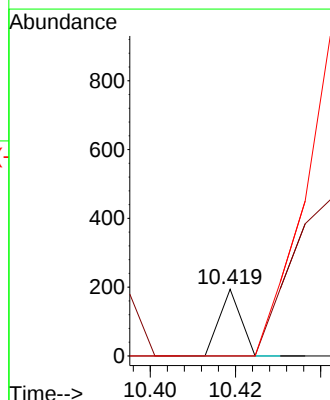
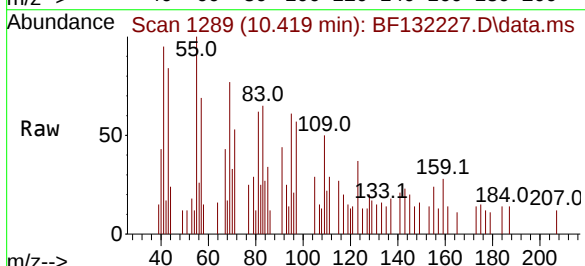
Tgt Ion:184 Resp: 68

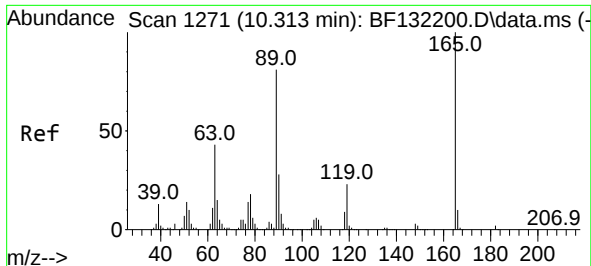
Ion Ratio Lower Upper

184 100

63 0.0 39.8 59.6#

154 0.0 54.2 81.2#

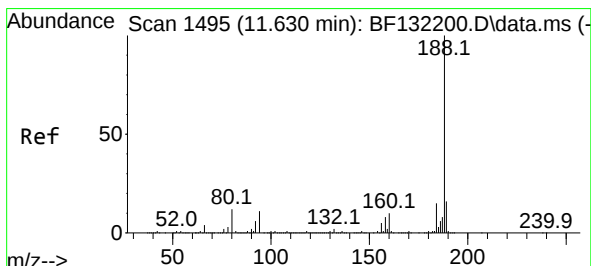
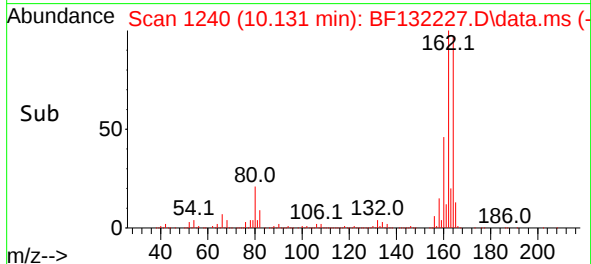
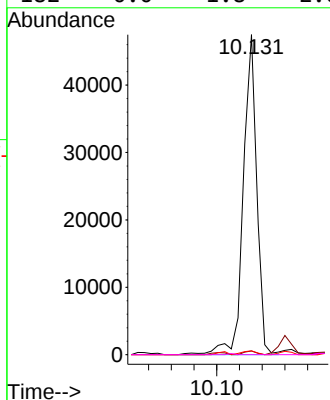
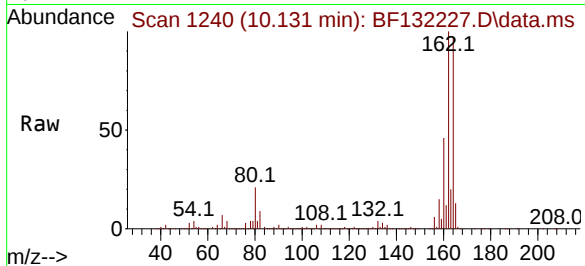




#57
2,4-Dinitrotoluene
Concen: 7.853 ng
RT: 10.131 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

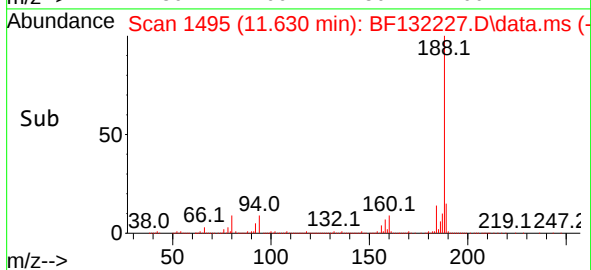
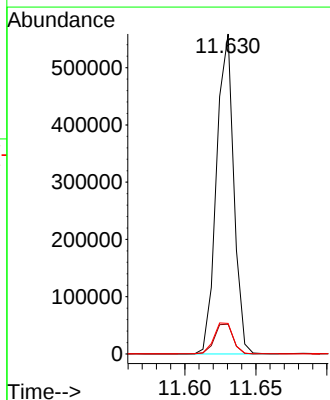
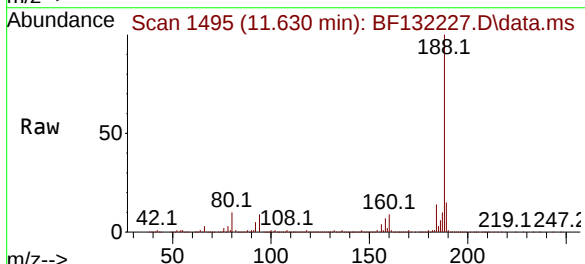
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

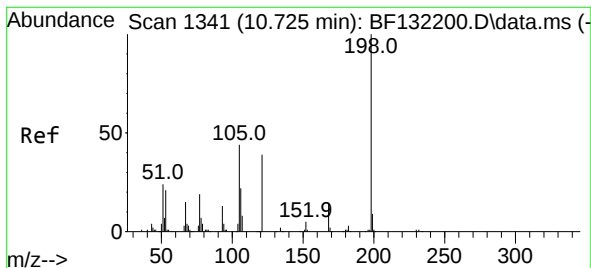
Tgt Ion:165 Resp: 39142
Ion Ratio Lower Upper
165 100
63 1.2 34.2 51.2#
89 1.2 65.1 97.7#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.630 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:188 Resp: 471192
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.5 9.2 13.8

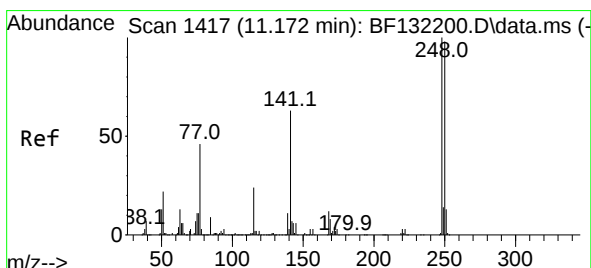
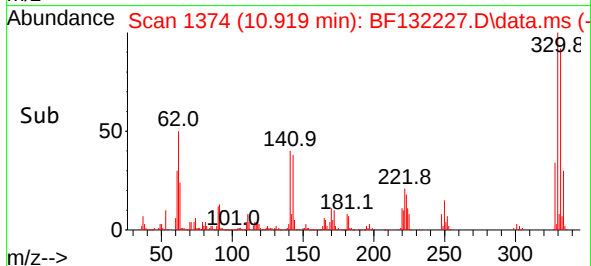
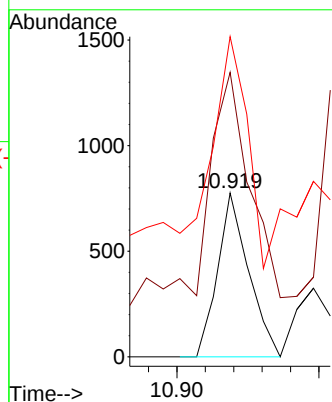
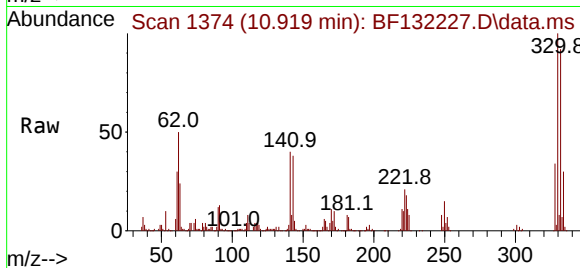




#65
4,6-Dinitro-2-methylphenol
Concen: 5.535 ng
RT: 10.919 min Scan# 1374
Delta R.T. 0.194 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

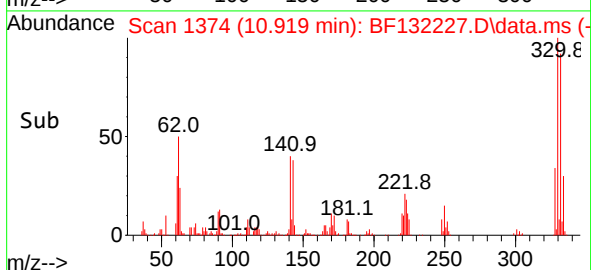
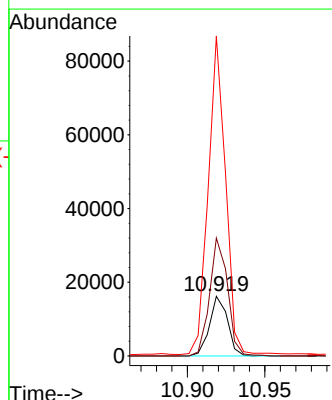
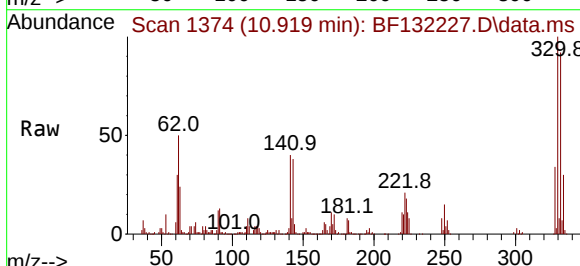
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

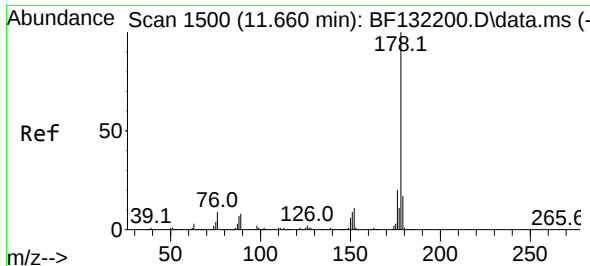
Tgt Ion:198 Resp: 587
Ion Ratio Lower Upper
198 100
51 173.6 14.9 54.9#
105 195.4 24.2 64.2#



#67
4-Bromophenyl-phenylether
Concen: 2.416 ng
RT: 10.919 min Scan# 1374
Delta R.T. -0.253 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:248 Resp: 13105
Ion Ratio Lower Upper
248 100
250 197.6 78.5 117.7#
141 536.1 50.2 75.4#

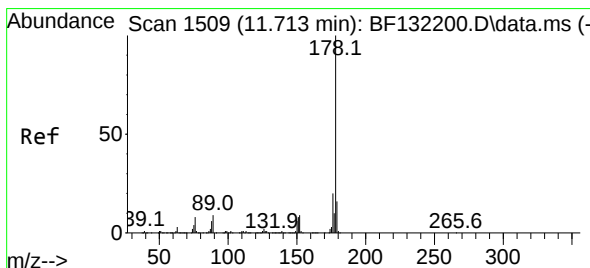
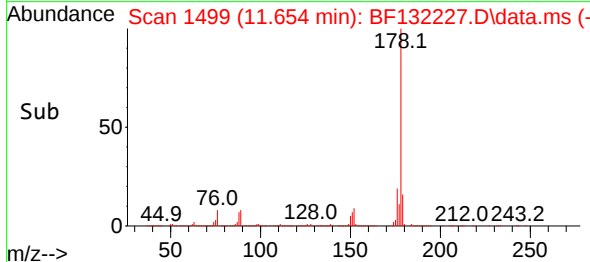
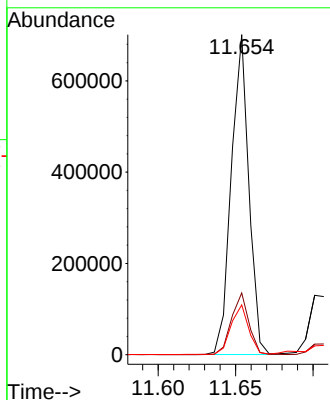
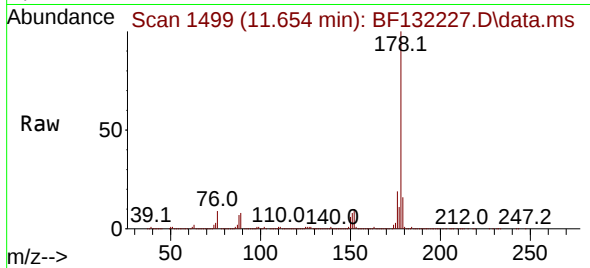




#71
Phenanthrene
Concen: 23.014 ng
RT: 11.654 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

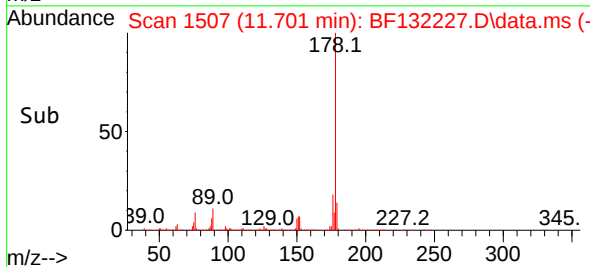
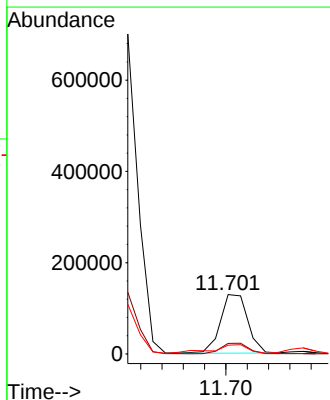
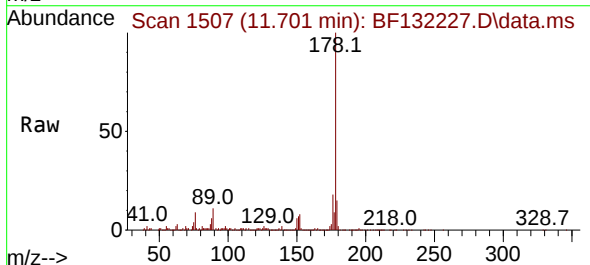
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

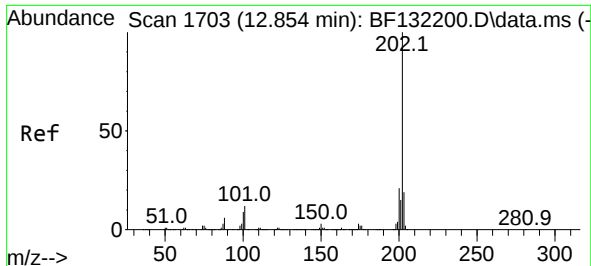
Tgt Ion:178 Resp: 551666
Ion Ratio Lower Upper
178 100
176 19.3 16.4 24.6
179 15.6 13.3 19.9



#72
Anthracene
Concen: 4.712 ng
RT: 11.701 min Scan# 1507
Delta R.T. -0.012 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:178 Resp: 115014
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 14.7 13.0 19.6

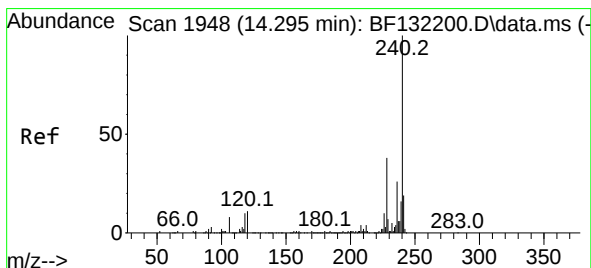
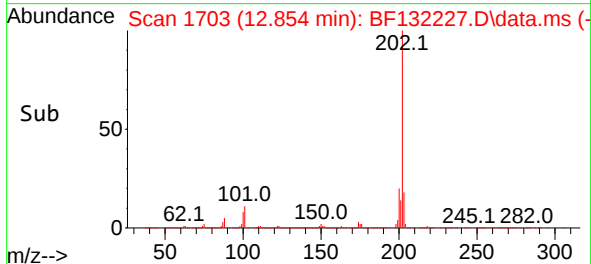
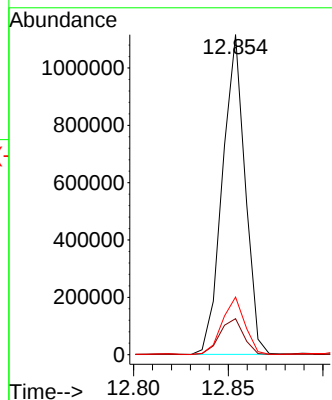
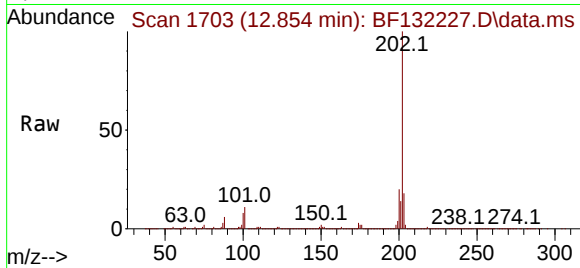




#75
Fluoranthene
Concen: 37.990 ng
RT: 12.854 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

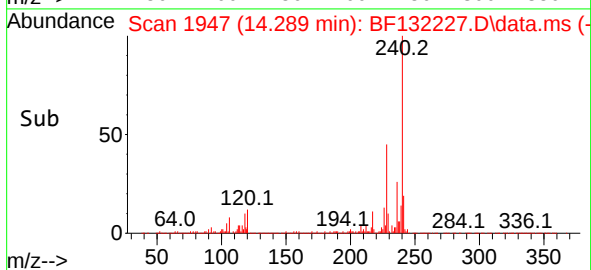
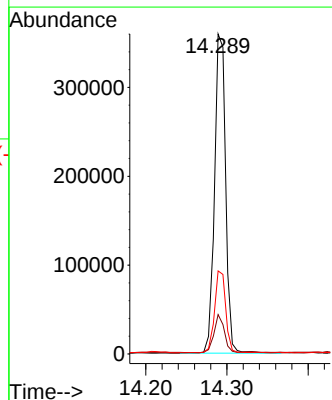
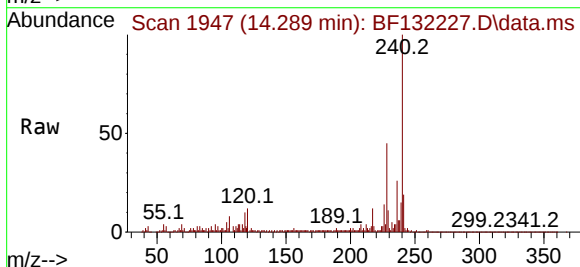
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

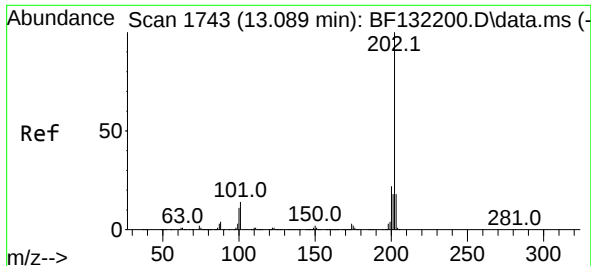
Tgt Ion:202 Resp: 926562
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.5
203 18.0 0.0 38.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.289 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:240 Resp: 340056
Ion Ratio Lower Upper
240 100
120 12.3 9.0 13.4
236 26.0 20.8 31.2

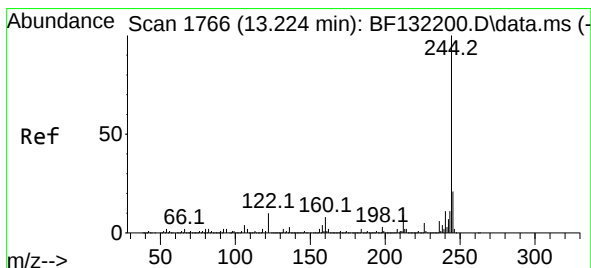
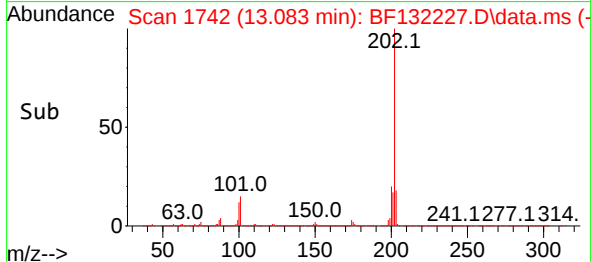
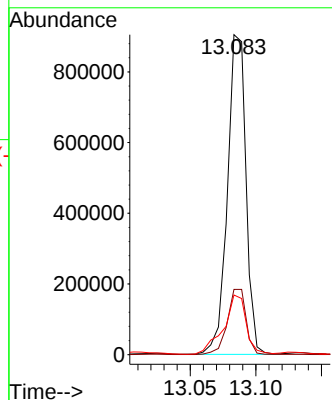
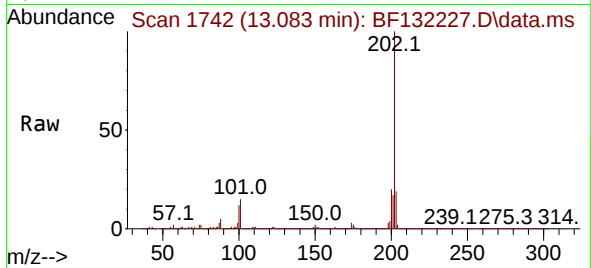




#78
Pyrene
Concen: 27.949 ng
RT: 13.083 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

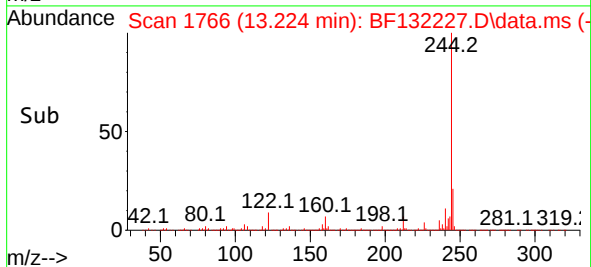
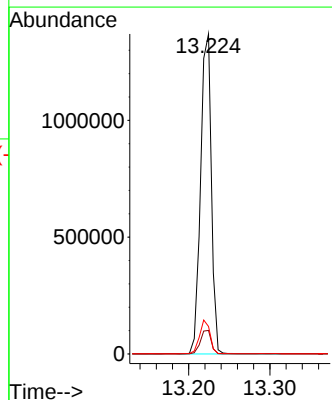
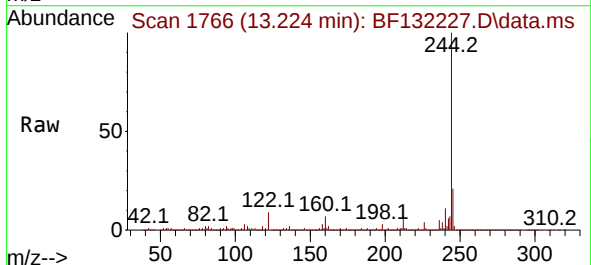
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

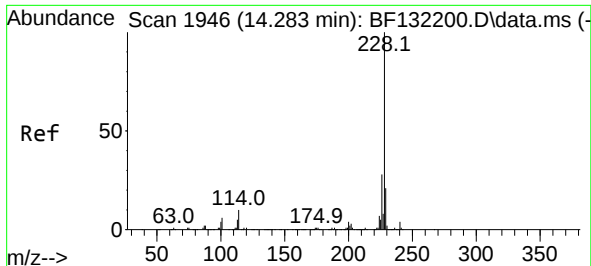
Tgt Ion:202 Resp: 890487
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 18.7 14.7 22.1



#79
Terphenyl-d14
Concen: 58.452 ng
RT: 13.224 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:244 Resp: 1265141
Ion Ratio Lower Upper
244 100
212 7.4 6.8 10.2
122 8.6 8.3 12.5

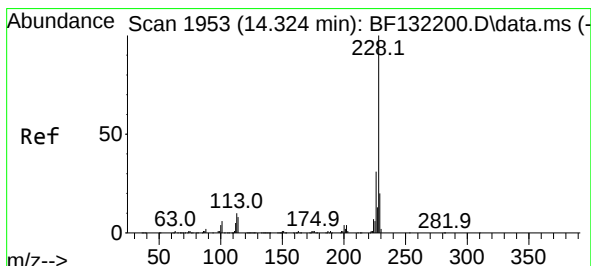
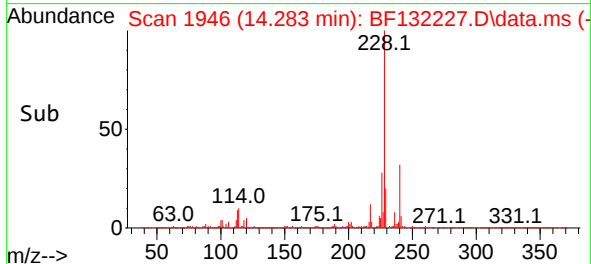
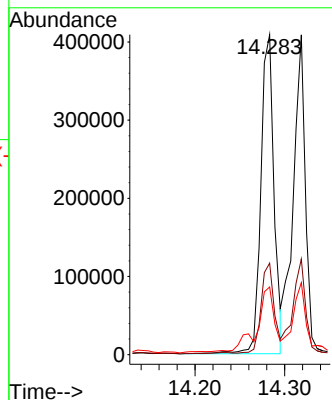
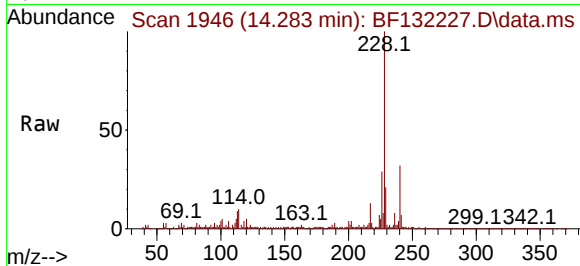




#81
Benzo(a)anthracene
Concen: 17.406 ng
RT: 14.283 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

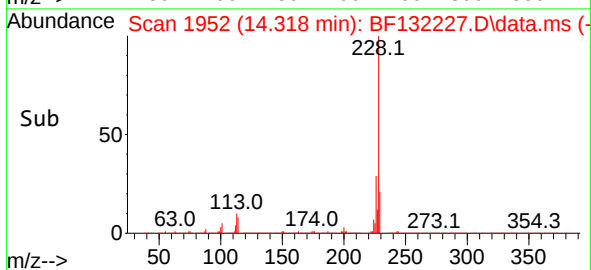
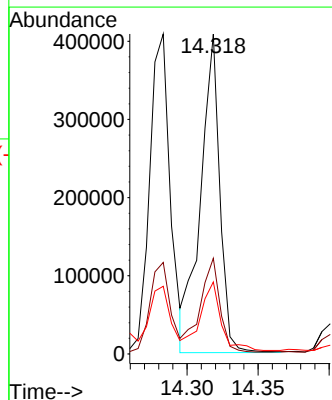
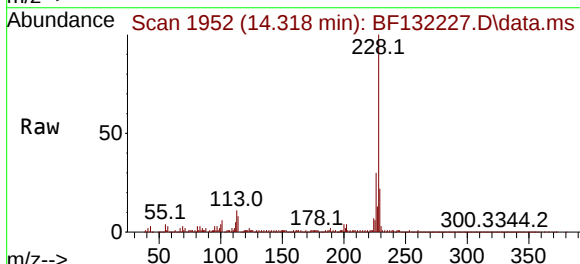
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

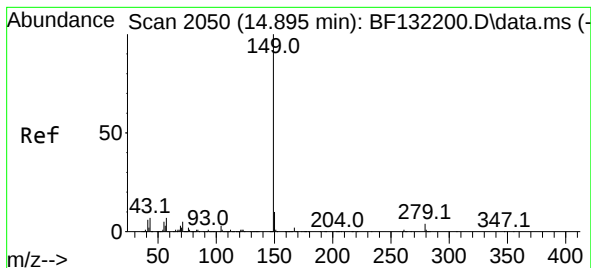
Tgt Ion:228 Resp: 416176
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 21.2 16.5 24.7



#83
Chrysene
Concen: 17.325 ng
RT: 14.318 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:228 Resp: 386029
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 22.5 16.2 24.4





#85

Di-n-octyl phthalate

Concen: 5.301 ng

RT: 14.871 min Scan# 2046

Delta R.T. -0.024 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

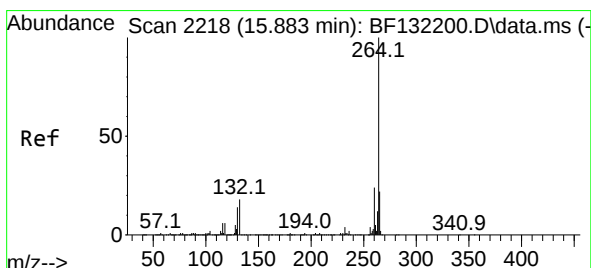
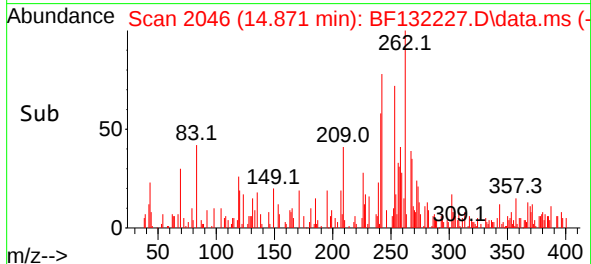
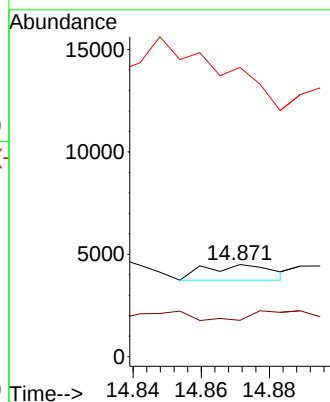
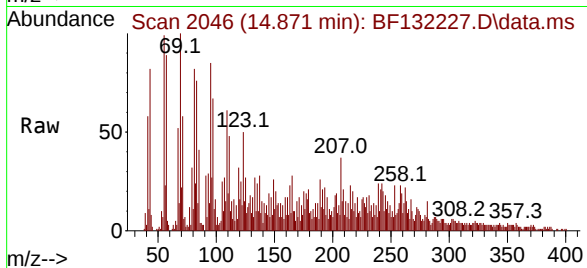
Tgt Ion:149 Resp: 1032

Ion Ratio Lower Upper

149 100

167 51.0 1.2 1.8#

43 0.0 6.6 10.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.883 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

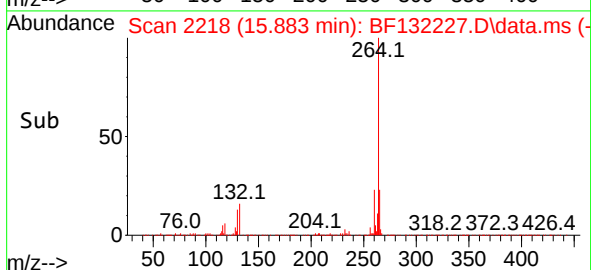
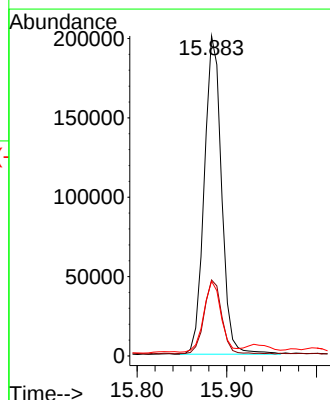
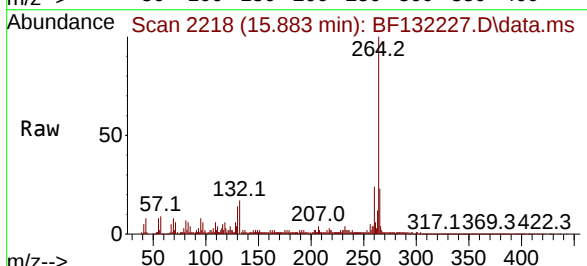
Tgt Ion:264 Resp: 267744

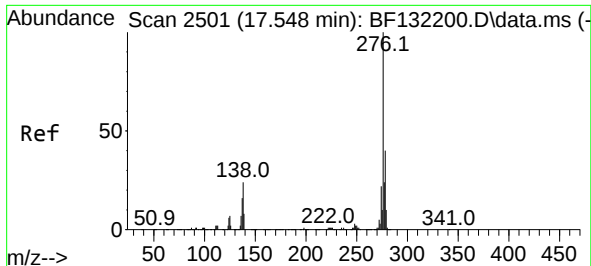
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 23.4 17.4 26.2

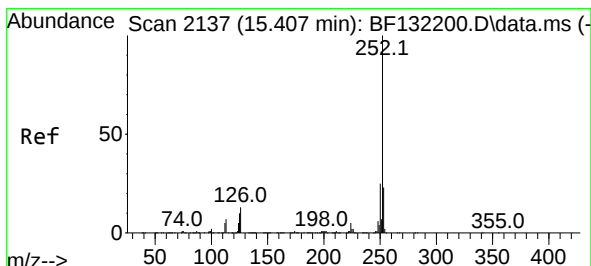
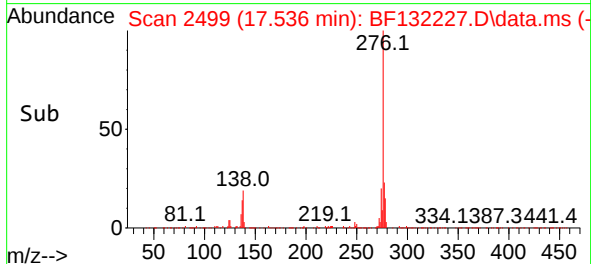
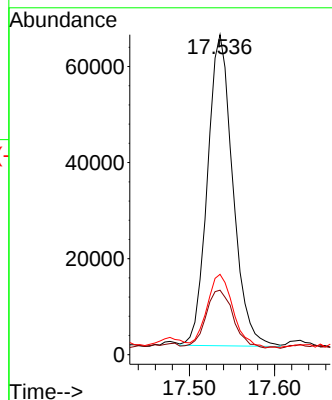
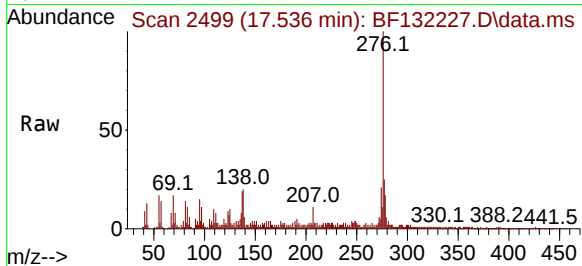




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.564 ng
RT: 17.536 min Scan# 2499
Delta R.T. -0.012 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

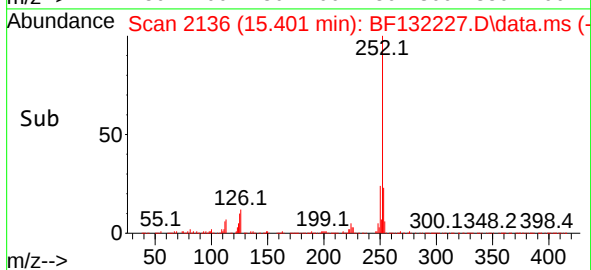
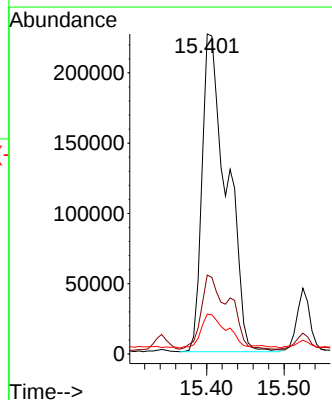
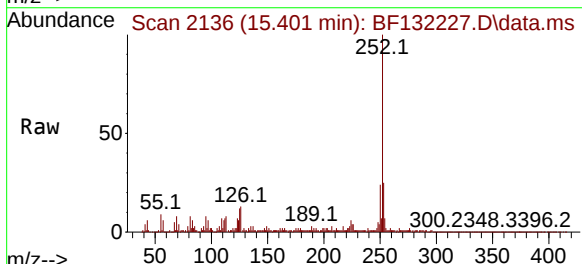
Instrument :
BNA_F
ClientSampleId :
DR-1-012523

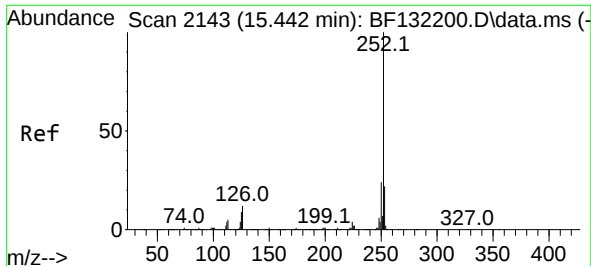
Tgt Ion:276 Resp: 133893
Ion Ratio Lower Upper
276 100
138 20.1 21.0 31.6#
277 24.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 30.610 ng
RT: 15.401 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BF132227.D
Acq: 31 Jan 2023 00:04

Tgt Ion:252 Resp: 503355
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 12.4 8.2 12.4#





#89

Benzo(k)fluoranthene

Concen: 29.665 ng

RT: 15.401 min Scan# 2143

Delta R.T. -0.041 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

Instrument :

BNA_F

ClientSampleId :

DR-1-012523

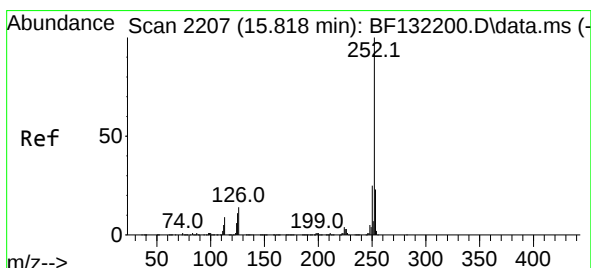
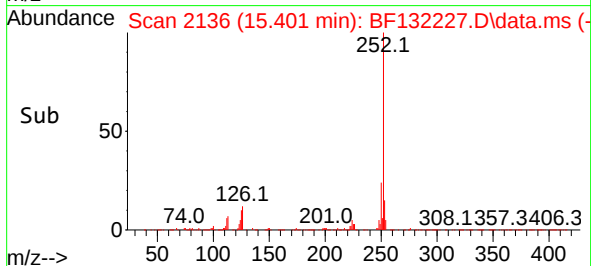
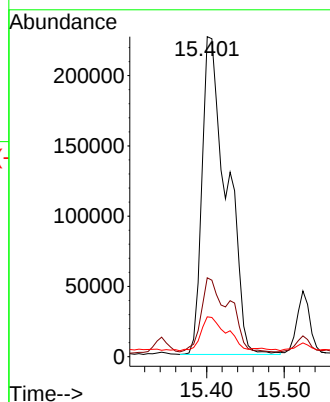
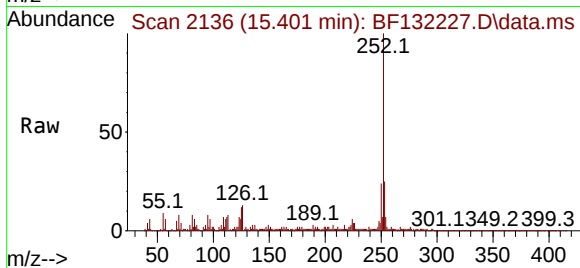
Tgt Ion:252 Resp: 503355

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 12.4 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 17.094 ng

RT: 15.812 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF132227.D

Acq: 31 Jan 2023 00:04

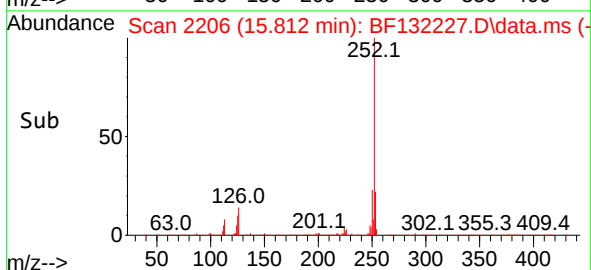
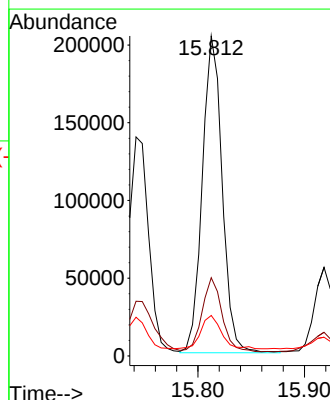
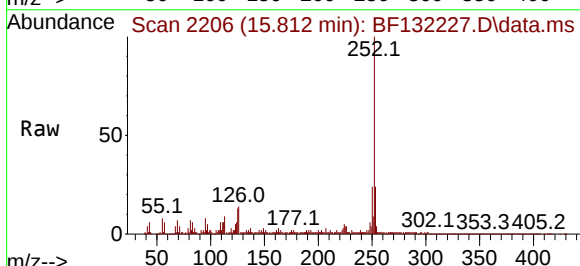
Tgt Ion:252 Resp: 265295

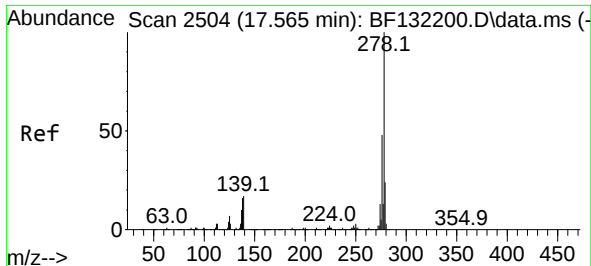
Ion Ratio Lower Upper

252 100

253 24.4 18.3 27.5

125 12.7 9.0 13.6

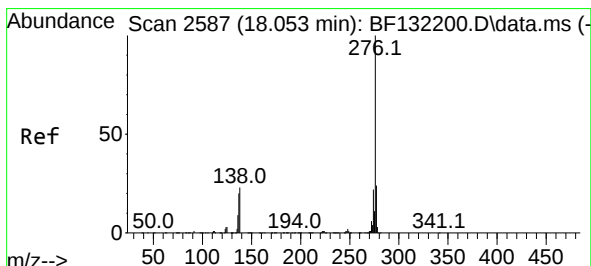
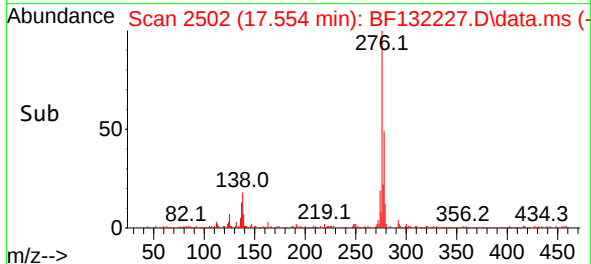
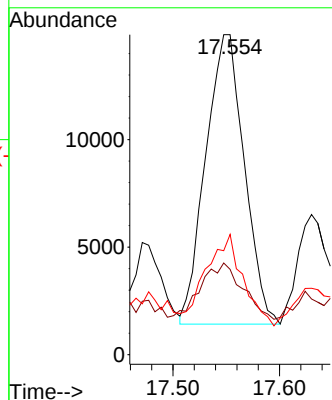
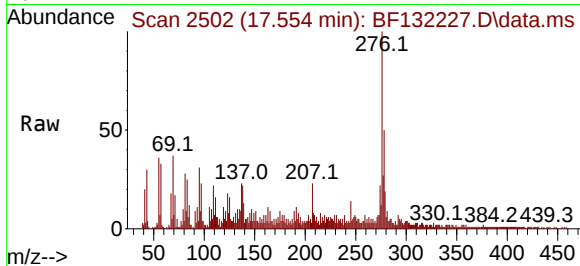




#91
 Dibenzo(a,h)anthracene
 Concen: 2.344 ng
 RT: 17.554 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF132227.D
 Acq: 31 Jan 2023 00:04

Instrument :
 BNA_F
 ClientSampleId :
 DR-1-012523

Tgt Ion:278 Resp: 33932
 Ion Ratio Lower Upper
 278 100
 139 26.6 13.2 19.8#
 279 37.6 19.1 28.7#



#92
 Benzo(g,h,i)perylene
 Concen: 9.185 ng
 RT: 18.042 min Scan# 2585
 Delta R.T. -0.012 min
 Lab File: BF132227.D
 Acq: 31 Jan 2023 00:04

Tgt Ion:276 Resp: 135537
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.1 28.7
 138 23.6 18.3 27.5

