

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132232.D
 Acq On : 31 Jan 2023 02:44
 Operator : CG\JU
 Sample : 01318-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RJ-1-012523

Quant Time: Jan 31 03:10:35 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)

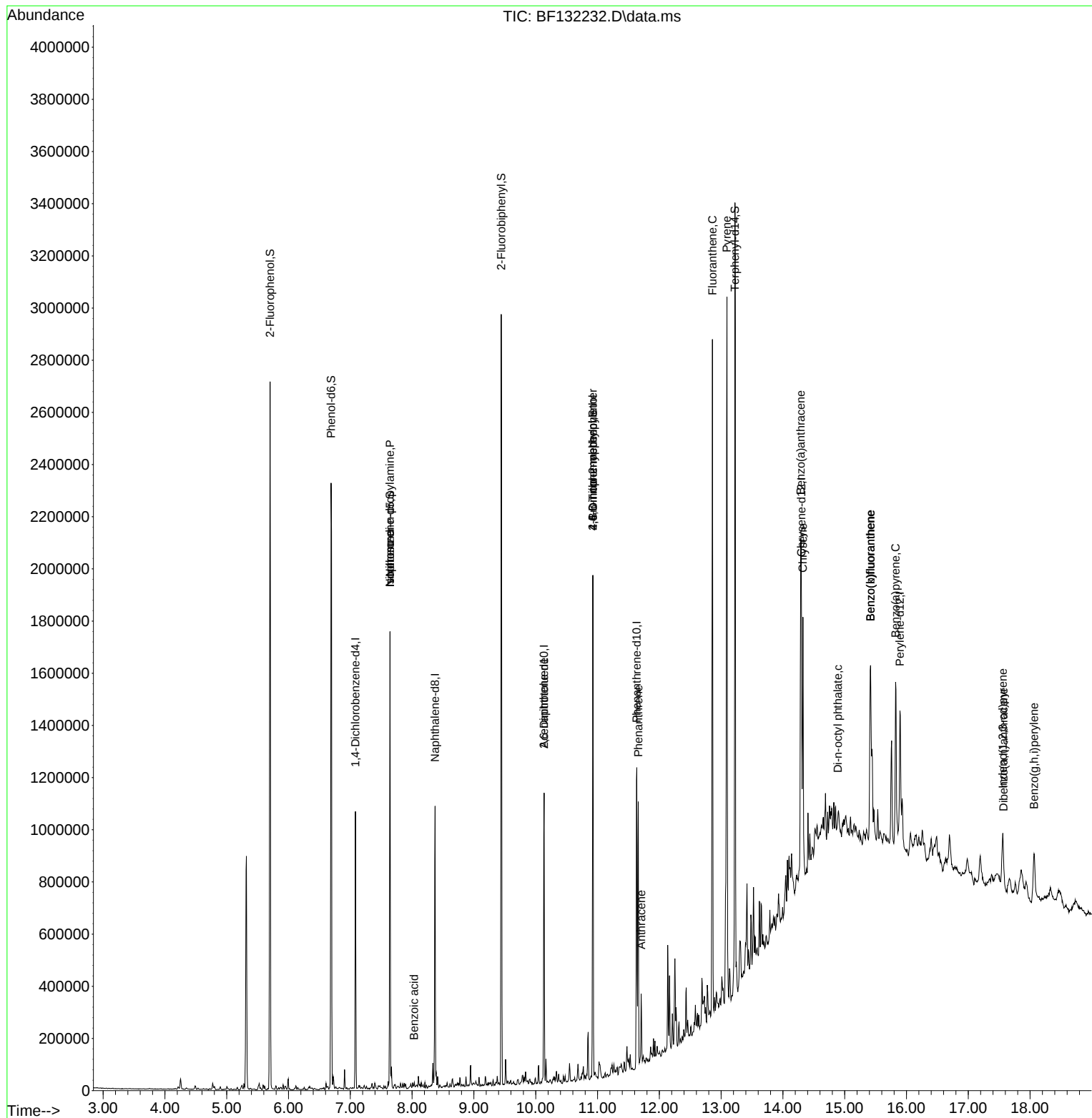
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.084	152	142170	20.000	ng	0.00
21) Naphthalene-d8	8.372	136	441715	20.000	ng	0.00
39) Acenaphthene-d10	10.136	164	217066	20.000	ng	0.00
64) Phenanthrene-d10	11.636	188	452922	20.000	ng	# 0.00
76) Chrysene-d12	14.301	240	286631	20.000	ng	0.00
86) Perylene-d12	15.895	264	229923	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.701	112	776942	90.926	ng	0.00
7) Phenol-d6	6.689	99	895319	83.565	ng	0.00
23) Nitrobenzene-d5	7.642	82	498246	59.053	ng	0.00
42) 2,4,6-Tribromophenol	10.924	330	205237	102.108	ng	0.00
45) 2-Fluorobiphenyl	9.442	172	852611	57.797	ng	0.00
79) Terphenyl-d14	13.224	244	1046162	57.344	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.642	70	66666	10.338	ng	# 78
25) Isophorone	7.642	82	498246	30.706	ng	# 67
32) Benzoic acid	8.031	122	163	7.328	ng	# 52
51) 2,6-Dinitrotoluene	10.136	165	29450	9.410	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.924	198	637	5.563	ng	# 1
67) 4-Bromophenyl-phenylether	10.924	248	14064	2.697	ng	# 1
71) Phenanthrene	11.660	178	368034	15.973	ng	98
72) Anthracene	11.707	178	98526	4.199	ng	97
75) Fluoranthene	12.860	202	954200	40.701	ng	98
78) Pyrene	13.095	202	1118964	41.665	ng	99
81) Benzo(a)anthracene	14.289	228	455603	22.607	ng	99
83) Chrysene	14.324	228	366675	19.524	ng	97
85) Di-n-octyl phthalate	14.889	149	1196	5.318	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.559	276	174982	11.511	ng	# 94
88) Benzo(b)fluoranthene	15.418	252	555424	39.332	ng	97
89) Benzo(k)fluoranthene	15.418	252	555205	38.104	ng	# 96
90) Benzo(a)pyrene	15.824	252	338954	25.433	ng	98
91) Dibenzo(a,h)anthracene	17.571	278	39609	3.187	ng	# 74
92) Benzo(g,h,i)perylene	18.065	276	185225	14.617	ng	98

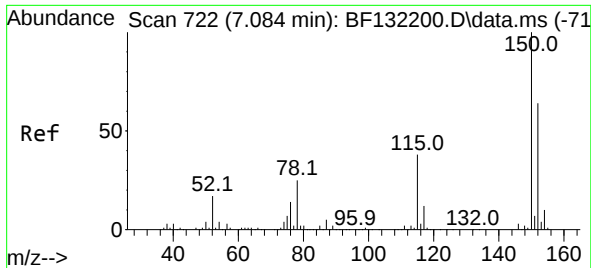
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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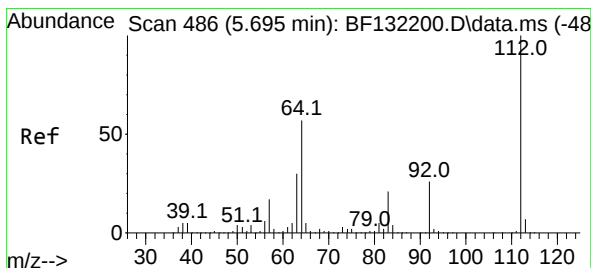
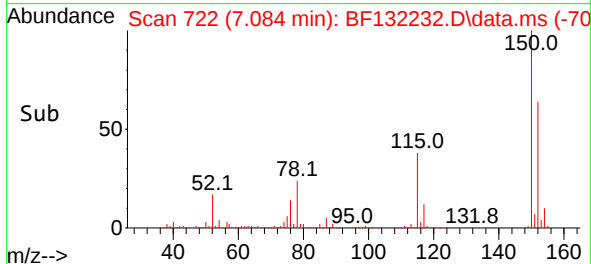
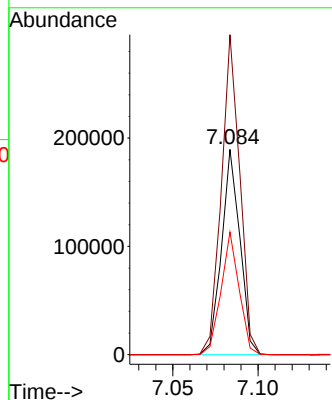
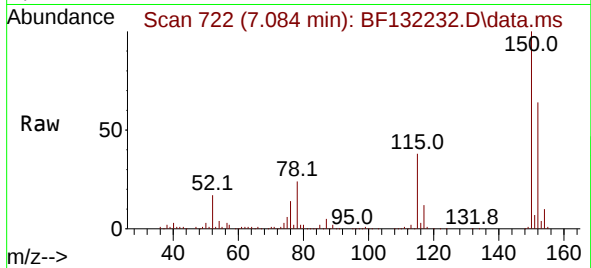




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.084 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

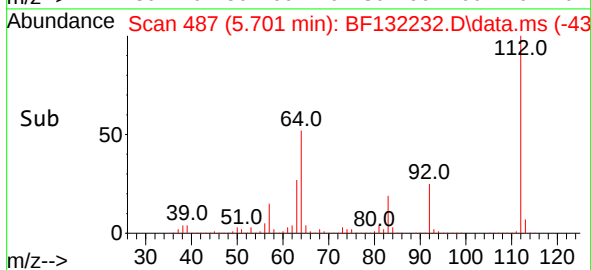
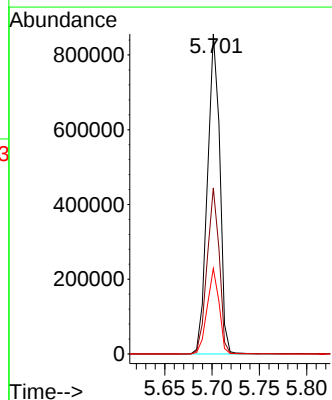
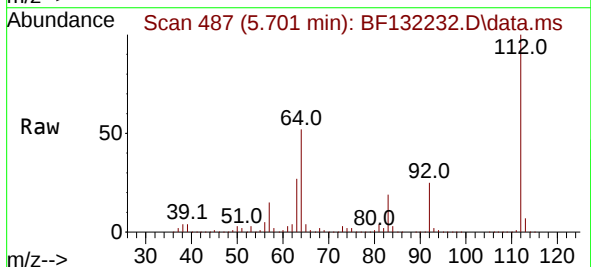
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523

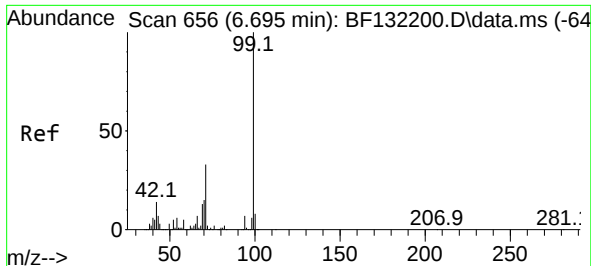
Tgt Ion:152 Resp: 142170
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 59.7 47.0 70.6



#5
2-Fluorophenol
Concen: 90.926 ng
RT: 5.701 min Scan# 487
Delta R.T. 0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:112 Resp: 776942
Ion Ratio Lower Upper
112 100
64 51.9 45.5 68.3
63 26.7 23.7 35.5

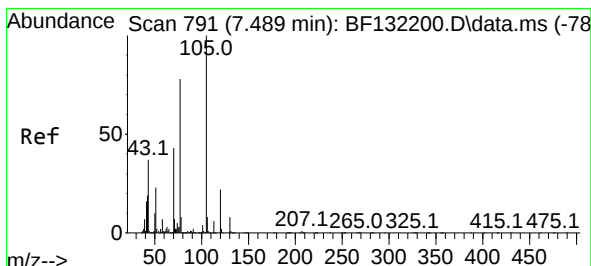
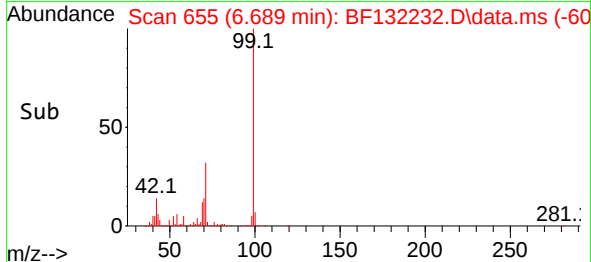
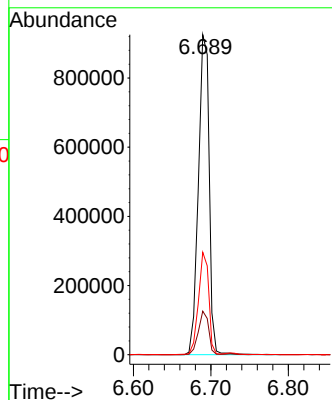
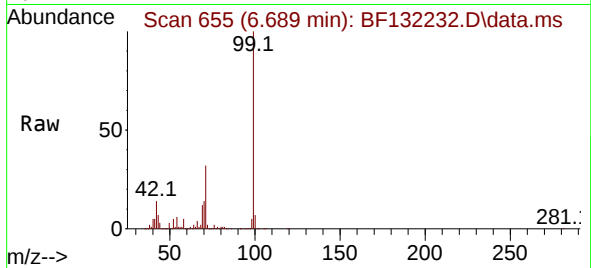




#7
Phenol-d6
Concen: 83.565 ng
RT: 6.689 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

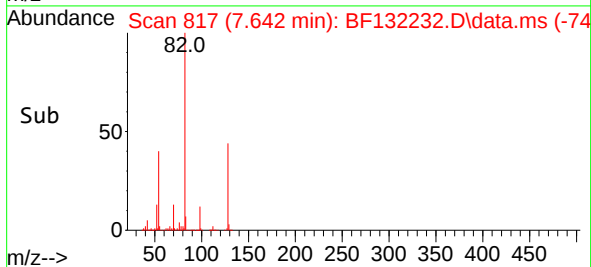
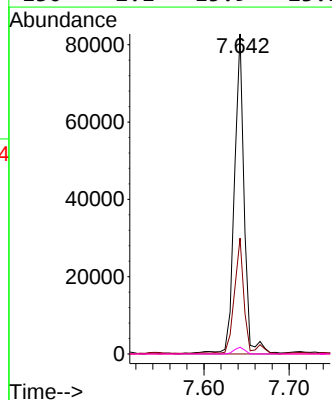
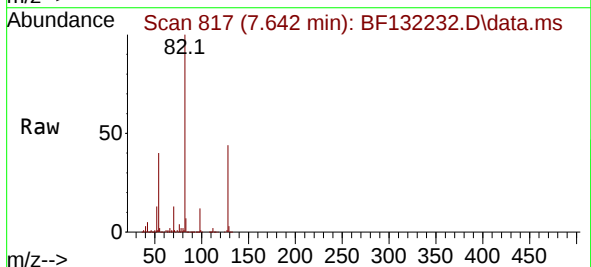
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523

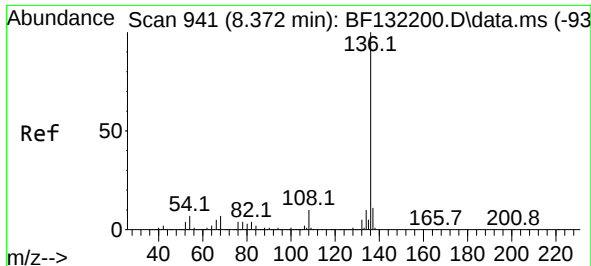
Tgt Ion: 99 Resp: 895319
Ion Ratio Lower Upper
99 100
42 13.6 11.3 16.9
71 32.0 26.3 39.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.338 ng
RT: 7.642 min Scan# 817
Delta R.T. 0.153 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion: 70 Resp: 66666
Ion Ratio Lower Upper
70 100
42 36.2 36.2 54.4#
101 0.0 7.9 11.9#
130 2.1 15.9 23.9#

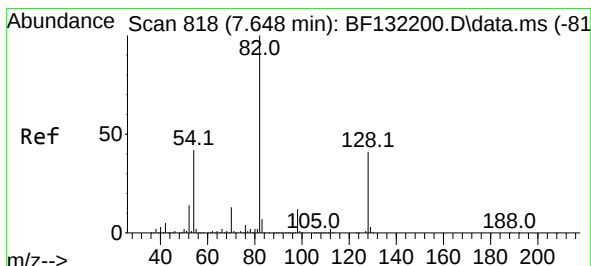
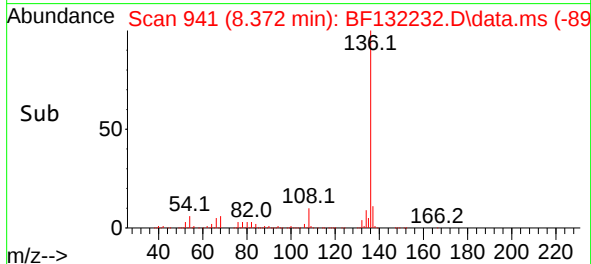
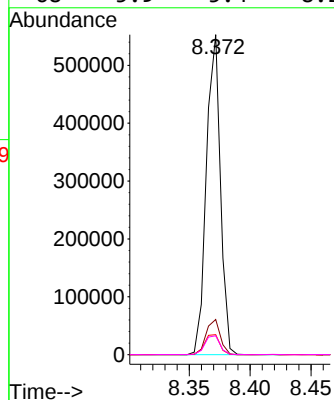
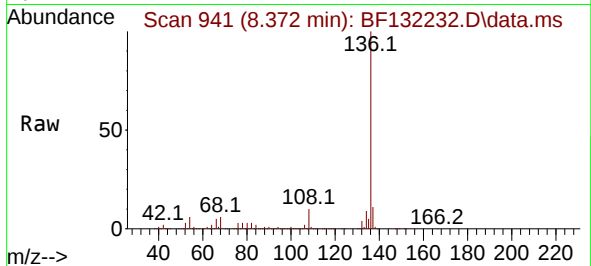




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.372 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

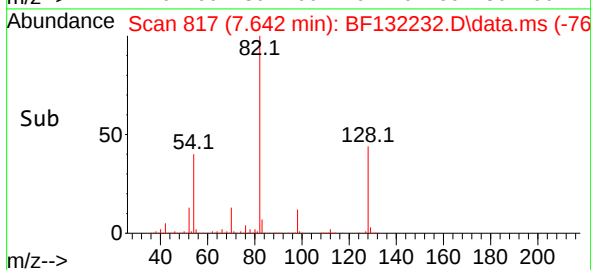
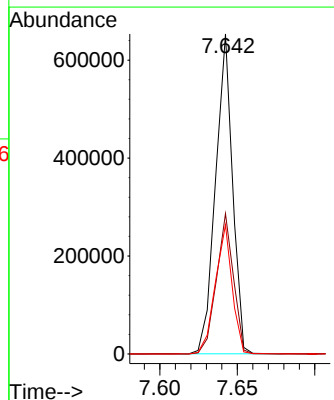
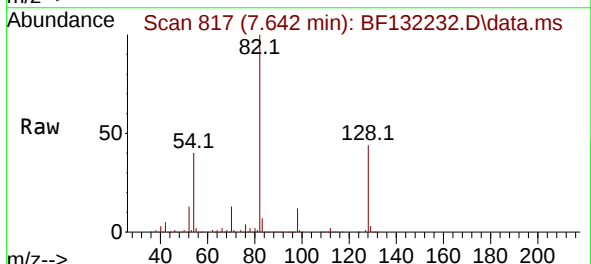
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523

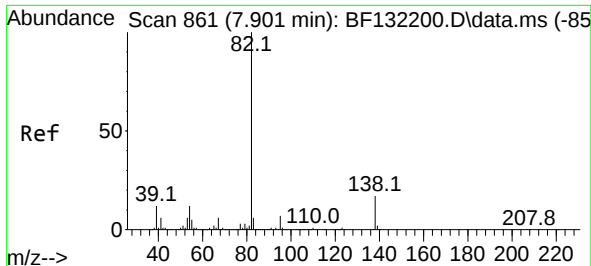
Tgt Ion:136 Resp: 441715
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.2 5.4 8.2
68 5.9 5.4 8.2



#23
Nitrobenzene-d5
Concen: 59.053 ng
RT: 7.642 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion: 82 Resp: 498246
Ion Ratio Lower Upper
82 100
128 43.8 32.7 49.1
54 40.3 33.3 49.9

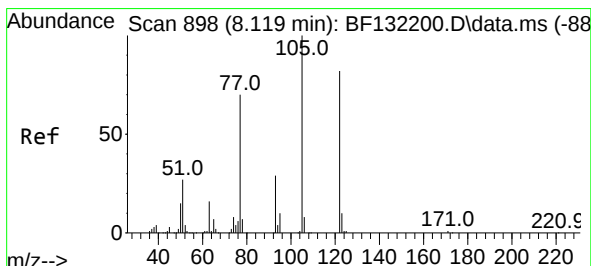
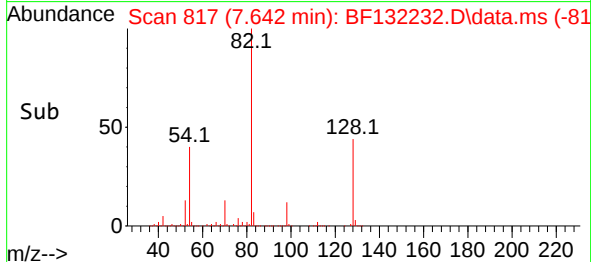
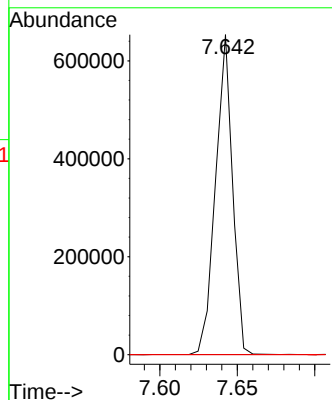
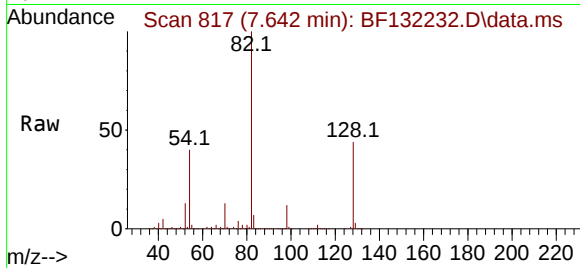




#25
Isophorone
Concen: 30.706 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

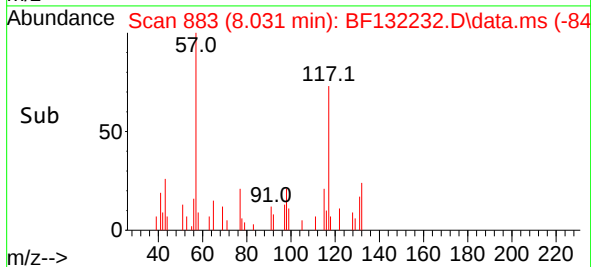
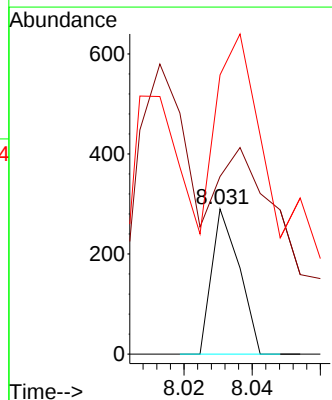
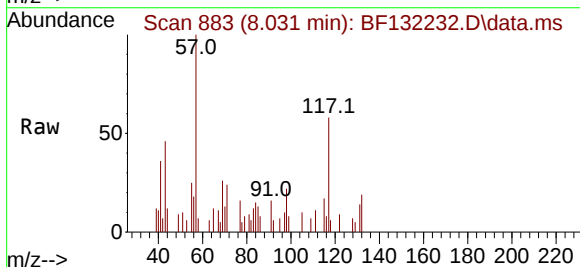
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523

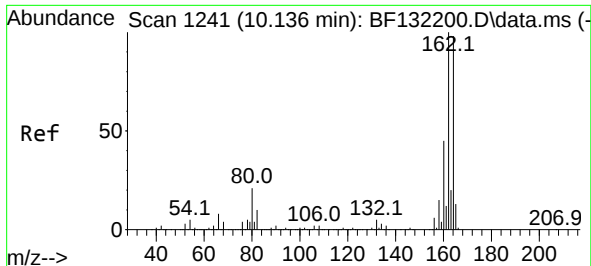
Tgt Ion: 82 Resp: 498246
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.328 ng
RT: 8.031 min Scan# 883
Delta R.T. -0.088 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:122 Resp: 163
Ion Ratio Lower Upper
122 100
105 122.4 101.5 141.5
77 192.4 66.5 106.5#

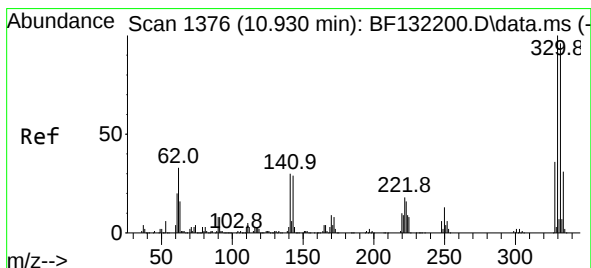
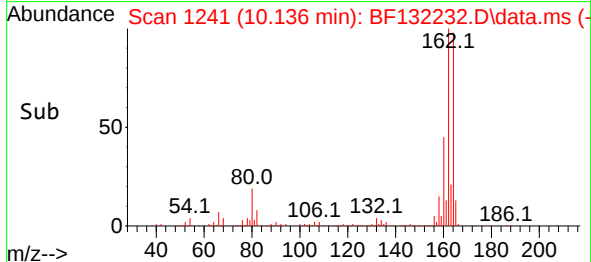
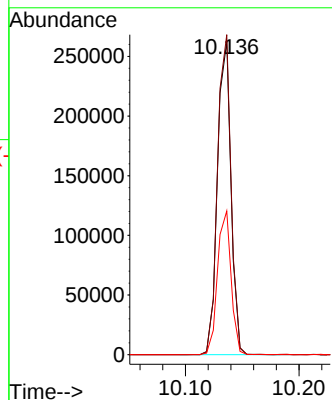
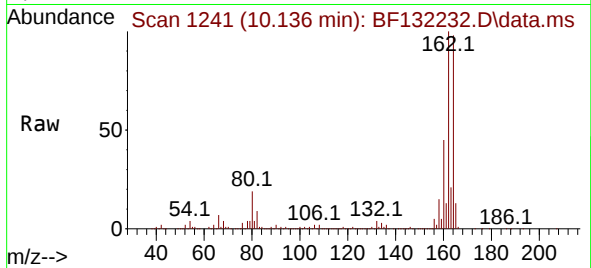




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

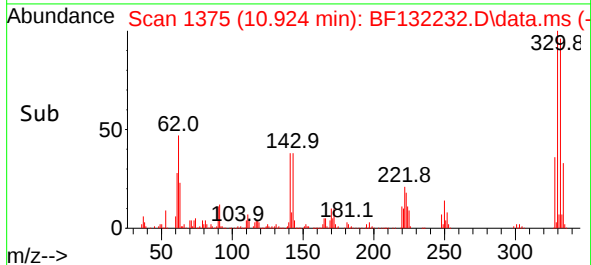
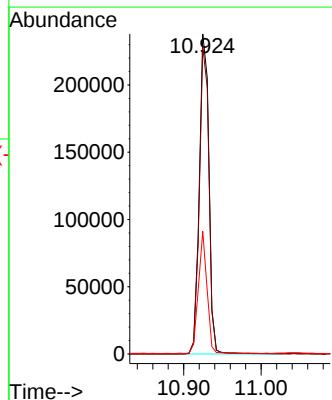
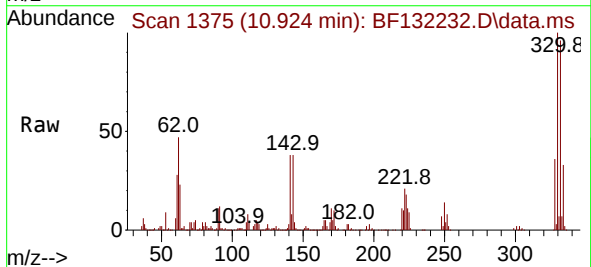
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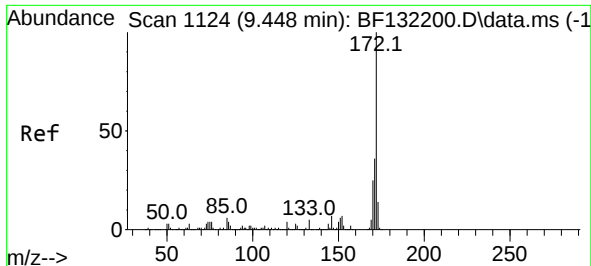
Tgt Ion:164 Resp: 217066
Ion Ratio Lower Upper
164 100
162 102.2 81.5 122.3
160 45.9 37.0 55.4



#42
2,4,6-Tribromophenol
Concen: 102.108 ng
RT: 10.924 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:330 Resp: 205237
Ion Ratio Lower Upper
330 100
332 96.0 75.7 113.5
141 34.3 30.7 46.1





#45

2-Fluorobiphenyl

Concen: 57.797 ng

RT: 9.442 min Scan# 1124

Delta R.T. -0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

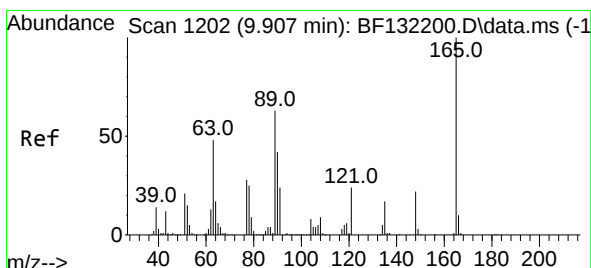
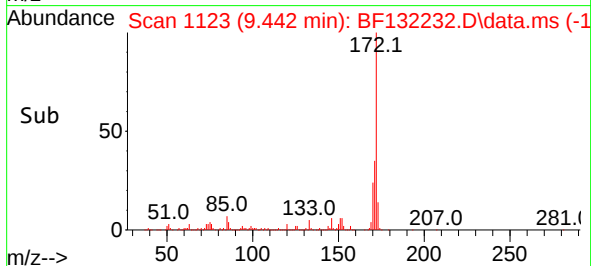
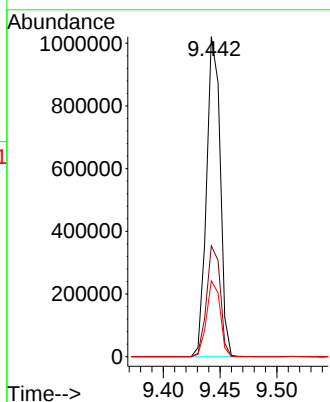
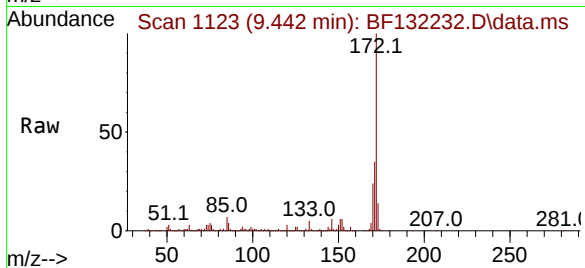
Tgt Ion:172 Resp: 852611

Ion Ratio Lower Upper

172 100

171 34.7 29.0 43.6

170 23.7 20.2 30.4



#51

2,6-Dinitrotoluene

Concen: 9.410 ng

RT: 10.136 min Scan# 1241

Delta R.T. 0.229 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

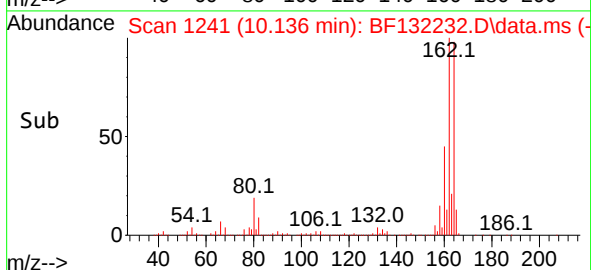
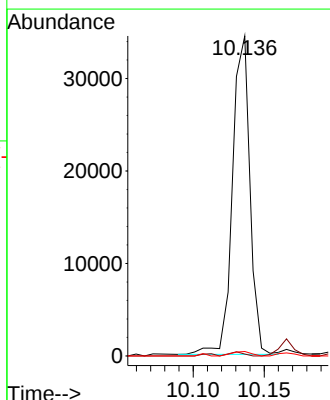
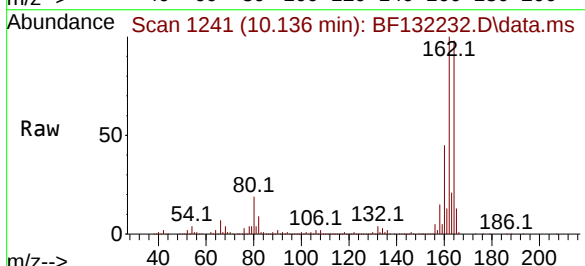
Tgt Ion:165 Resp: 29450

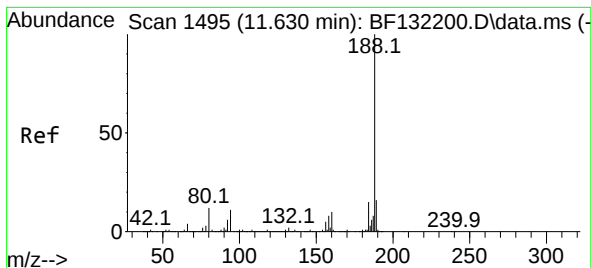
Ion Ratio Lower Upper

165 100

63 0.6 46.1 69.1#

89 1.4 50.3 75.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.636 min Scan# 1495

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

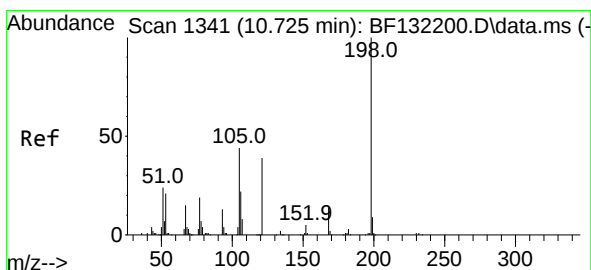
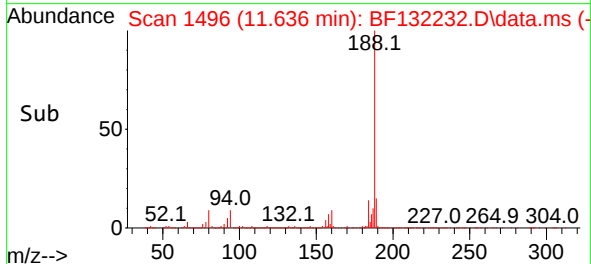
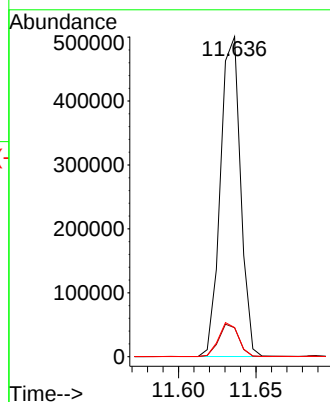
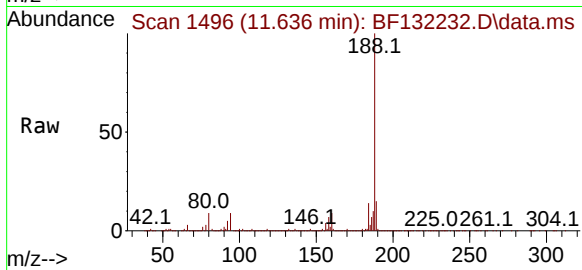
Tgt Ion:188 Resp: 452922

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

80 9.1 9.2 13.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.563 ng

RT: 10.924 min Scan# 1375

Delta R.T. 0.199 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

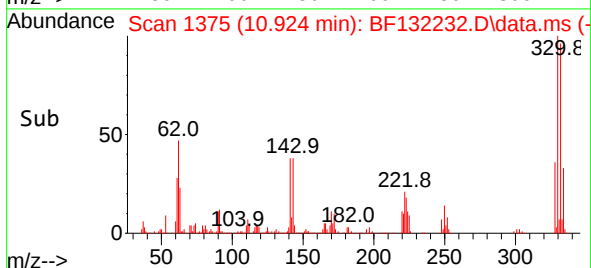
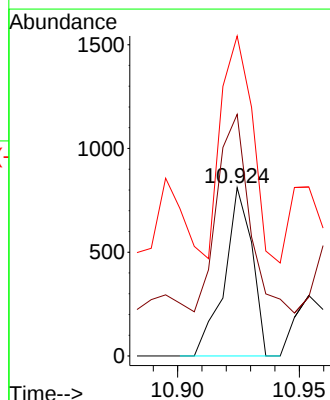
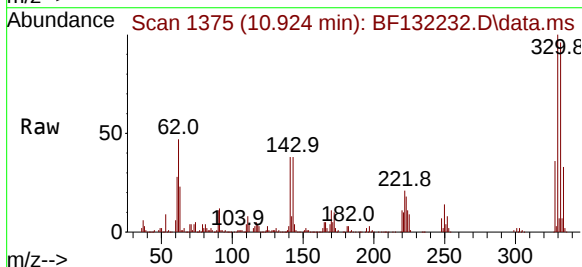
Tgt Ion:198 Resp: 637

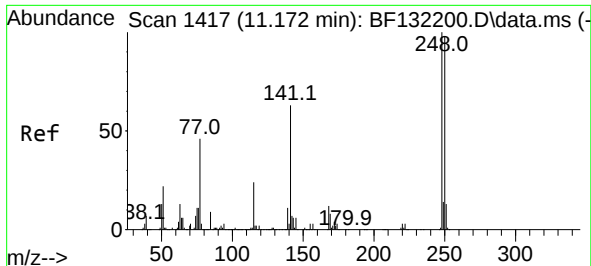
Ion Ratio Lower Upper

198 100

51 143.5 14.9 54.9#

105 190.1 24.2 64.2#

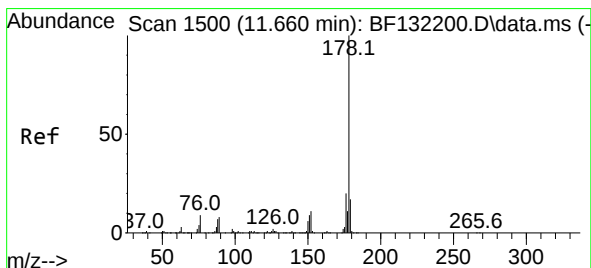
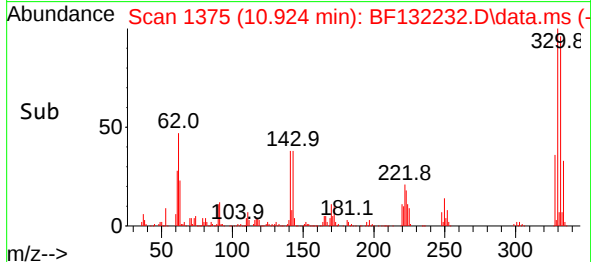
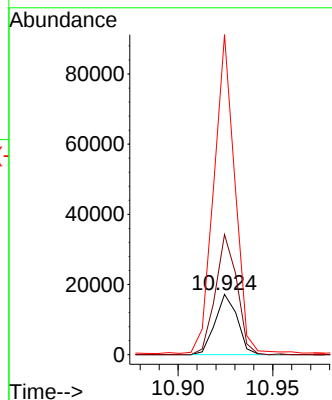
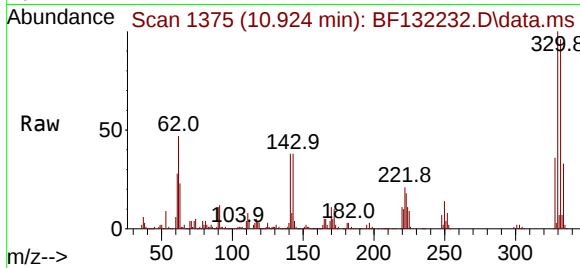




#67
4-Bromophenyl-phenylether
Concen: 2.697 ng
RT: 10.924 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

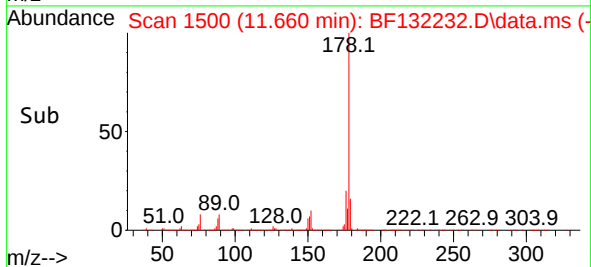
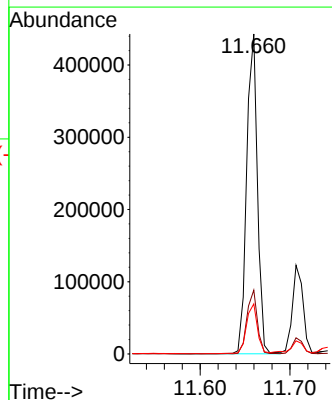
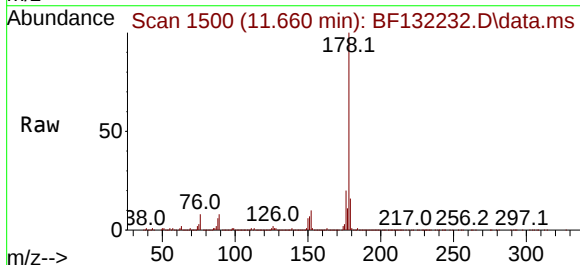
Instrument :
BNA_F
ClientSampleId :
RJ-1-012523

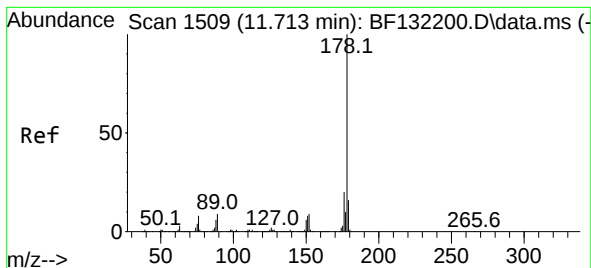
Tgt Ion:248 Resp: 14064
Ion Ratio Lower Upper
248 100
250 199.4 78.5 117.7#
141 531.0 50.2 75.4#



#71
Phenanthrene
Concen: 15.973 ng
RT: 11.660 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF132232.D
Acq: 31 Jan 2023 02:44

Tgt Ion:178 Resp: 368034
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 15.7 13.3 19.9





#72

Anthracene

Concen: 4.199 ng

RT: 11.707 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

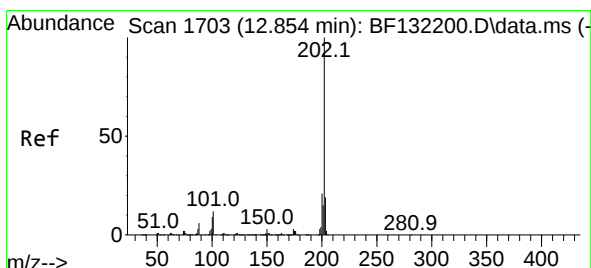
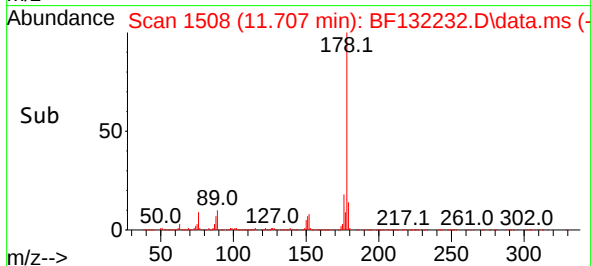
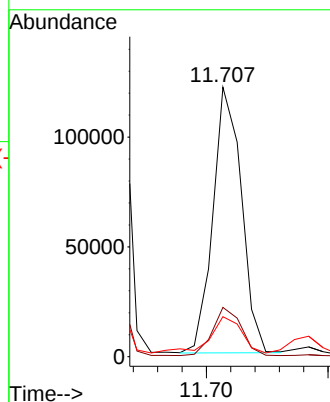
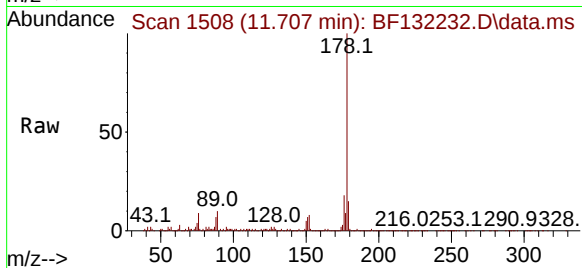
Tgt Ion:178 Resp: 98526

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

179 14.9 13.0 19.6



#75

Fluoranthene

Concen: 40.701 ng

RT: 12.860 min Scan# 1704

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

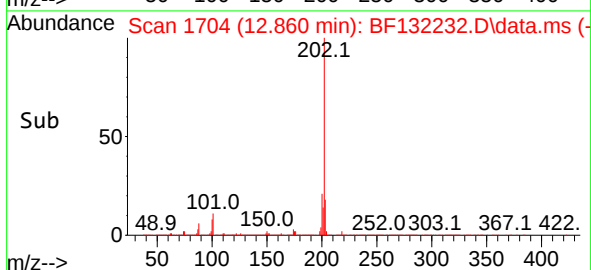
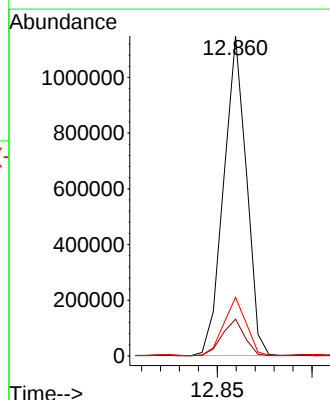
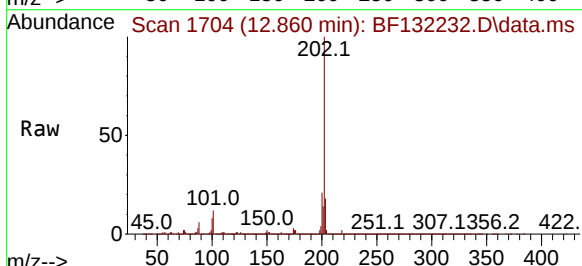
Tgt Ion:202 Resp: 954200

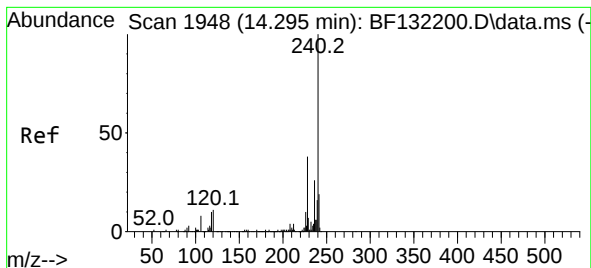
Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.5

203 18.4 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: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

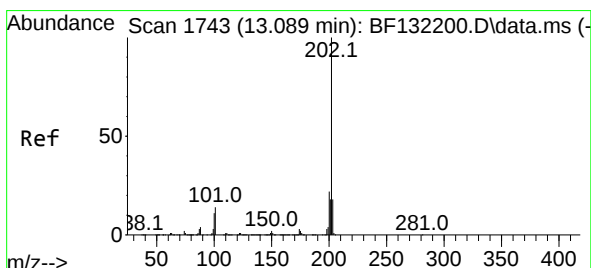
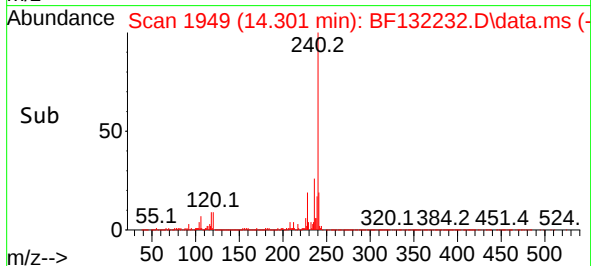
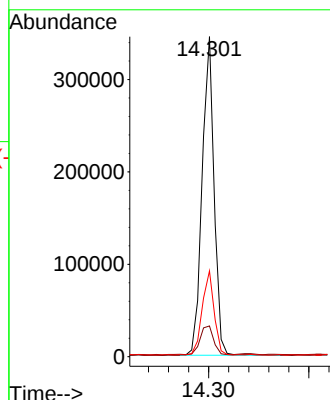
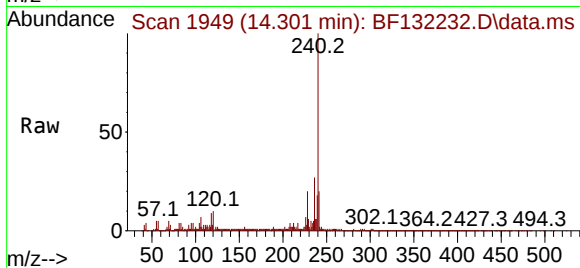
Tgt Ion:240 Resp: 286631

Ion Ratio Lower Upper

240 100

120 9.6 9.0 13.4

236 26.8 20.8 31.2



#78

Pyrene

Concen: 41.665 ng

RT: 13.095 min Scan# 1744

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

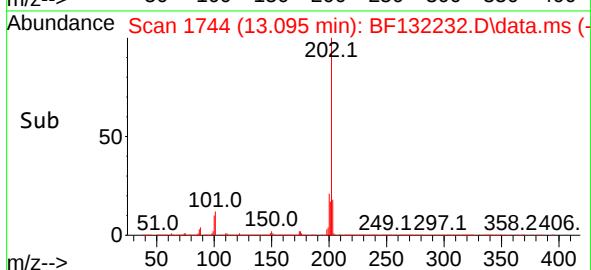
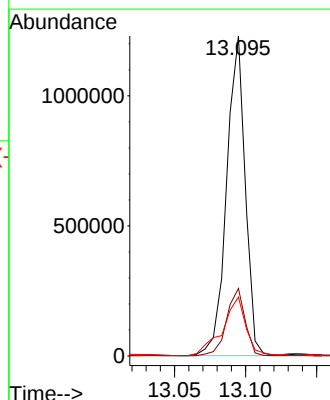
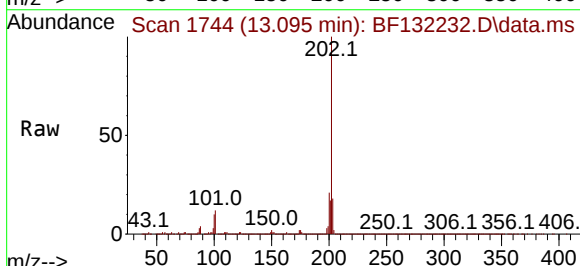
Tgt Ion:202 Resp: 1118964

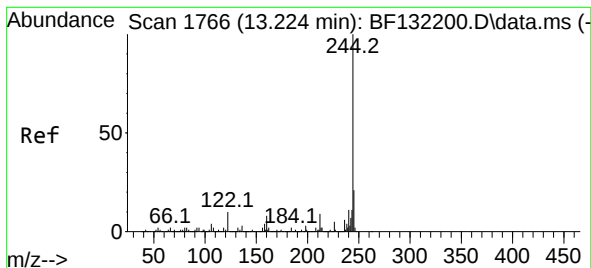
Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 18.4 14.7 22.1





#79

Terphenyl-d14

Concen: 57.344 ng

RT: 13.224 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

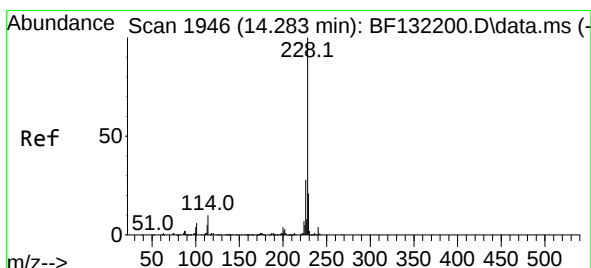
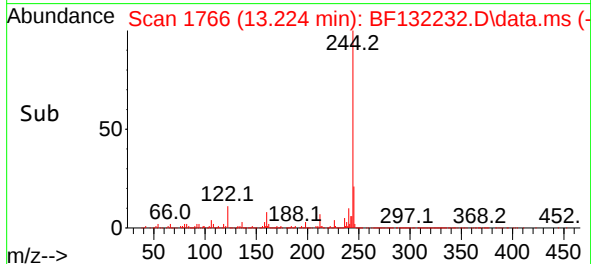
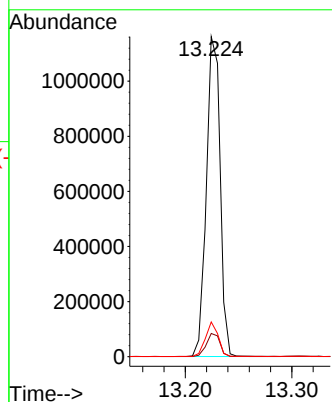
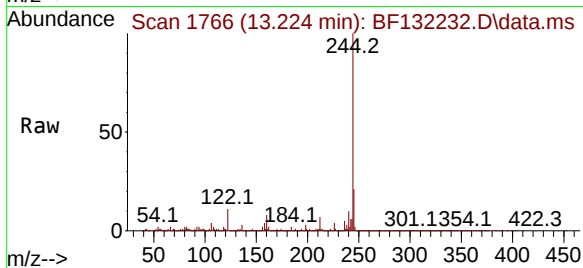
Tgt Ion:244 Resp: 1046162

Ion Ratio Lower Upper

244 100

212 7.2 6.8 10.2

122 10.9 8.3 12.5



#81

Benzo(a)anthracene

Concen: 22.607 ng

RT: 14.289 min Scan# 1947

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

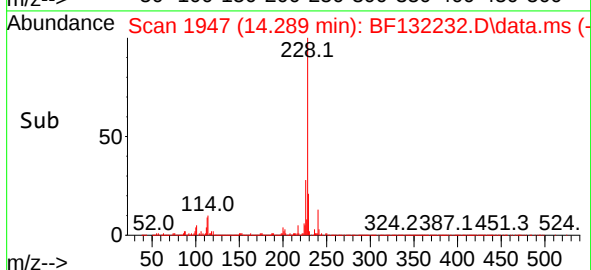
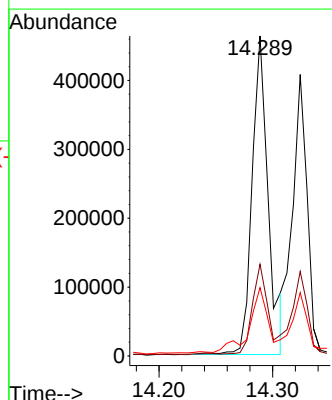
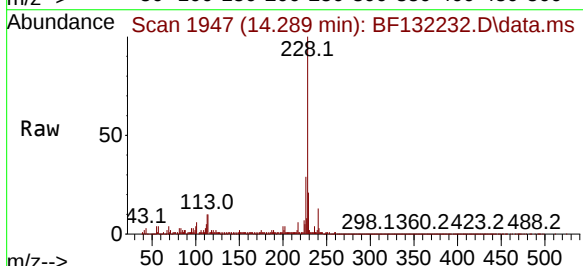
Tgt Ion:228 Resp: 455603

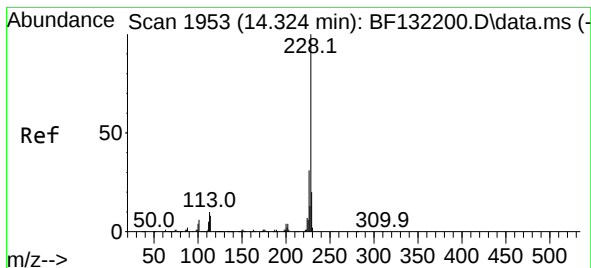
Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

229 21.3 16.5 24.7





#83

Chrysene

Concen: 19.524 ng

RT: 14.324 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

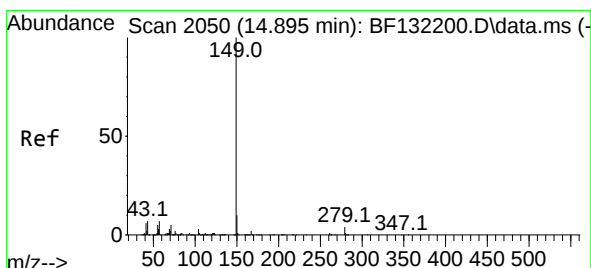
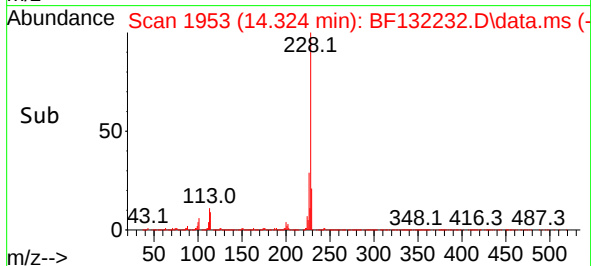
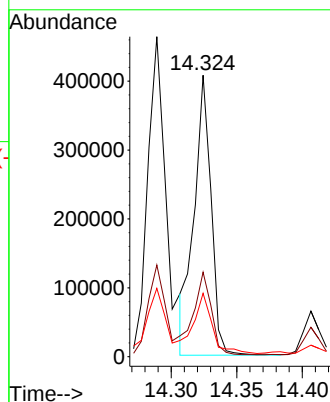
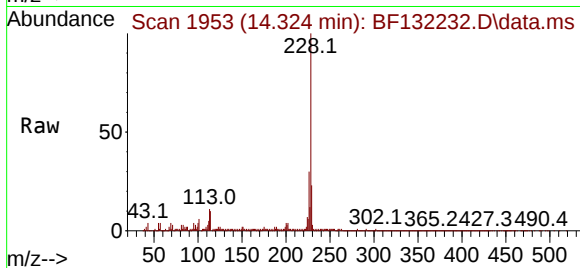
Tgt Ion:228 Resp: 366675

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 22.5 16.2 24.4



#85

Di-n-octyl phthalate

Concen: 5.318 ng

RT: 14.889 min Scan# 2049

Delta R.T. -0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

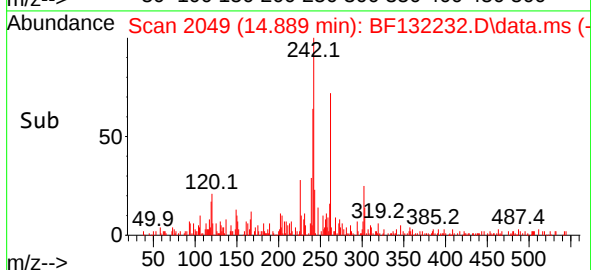
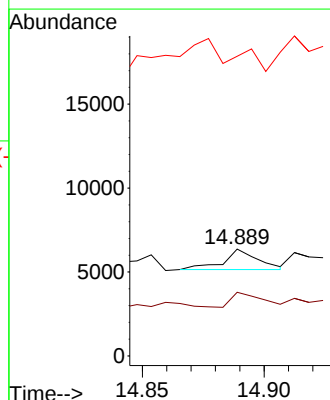
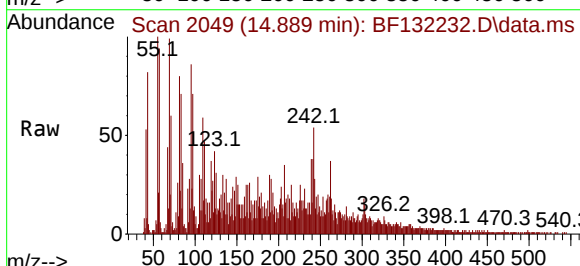
Tgt Ion:149 Resp: 1196

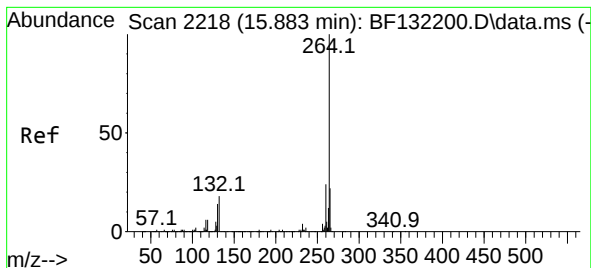
Ion Ratio Lower Upper

149 100

167 63.8 1.2 1.8#

43 337.9 6.6 10.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.895 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

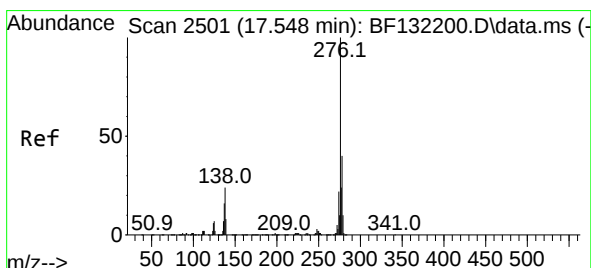
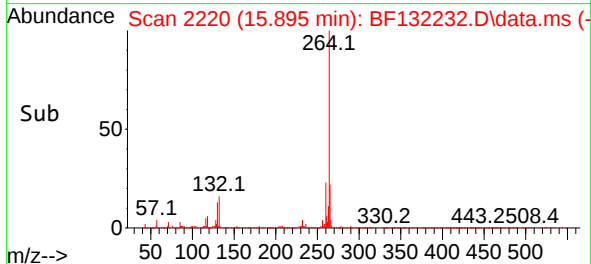
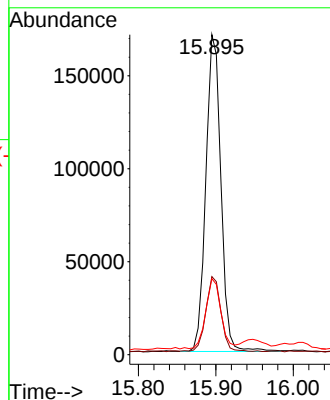
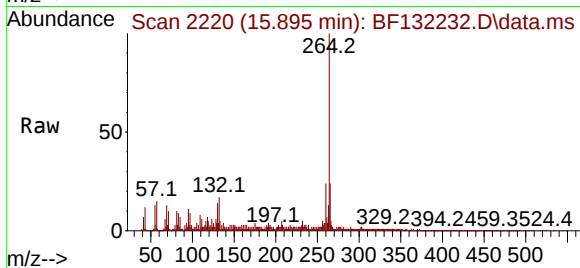
Tgt Ion:264 Resp: 229923

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 23.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.511 ng

RT: 17.559 min Scan# 2503

Delta R.T. 0.012 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

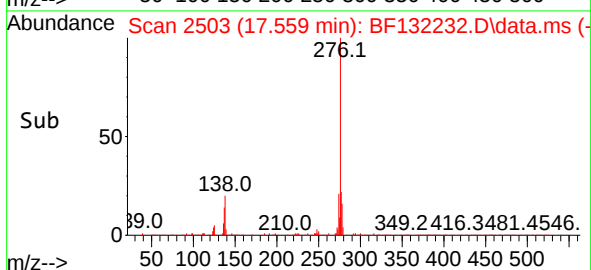
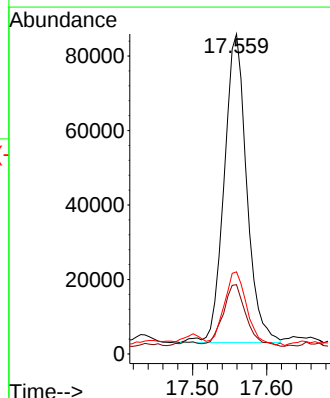
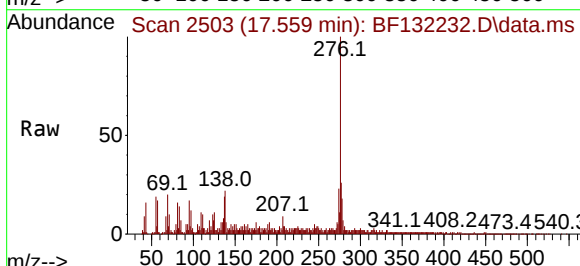
Tgt Ion:276 Resp: 174982

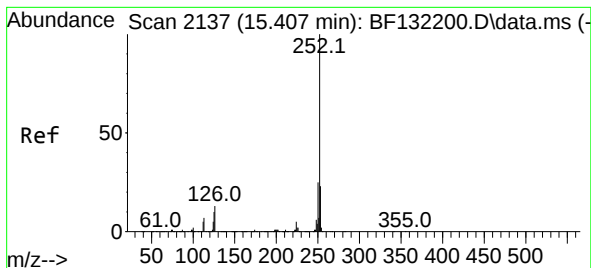
Ion Ratio Lower Upper

276 100

138 20.6 21.0 31.6#

277 24.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 39.332 ng

RT: 15.418 min Scan# 2139

Delta R.T. 0.012 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

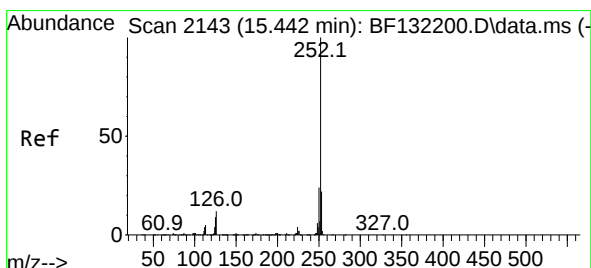
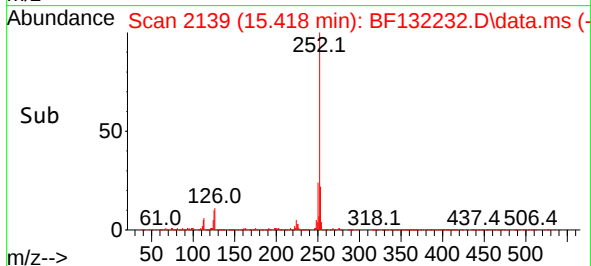
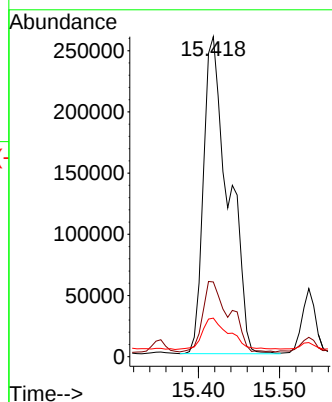
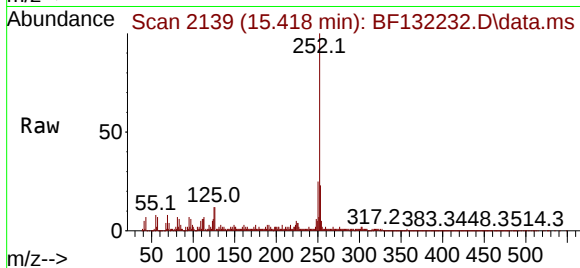
Tgt Ion:252 Resp: 555424

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 12.0 8.2 12.4



#89

Benzo(k)fluoranthene

Concen: 38.104 ng

RT: 15.418 min Scan# 2139

Delta R.T. -0.024 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

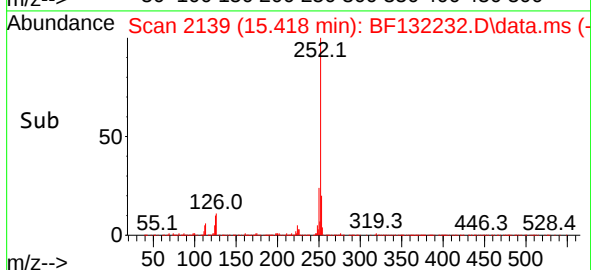
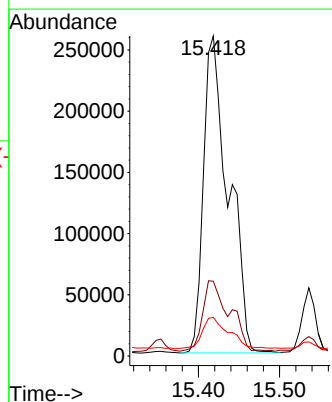
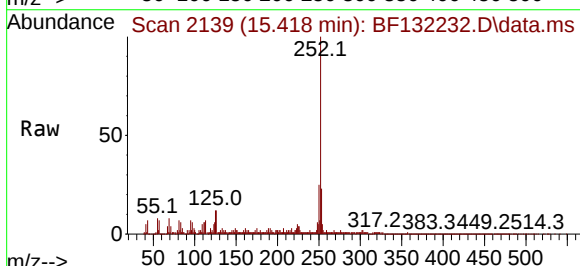
Tgt Ion:252 Resp: 555205

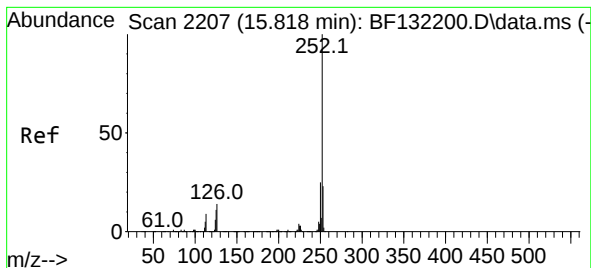
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 12.0 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 25.433 ng

RT: 15.824 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523

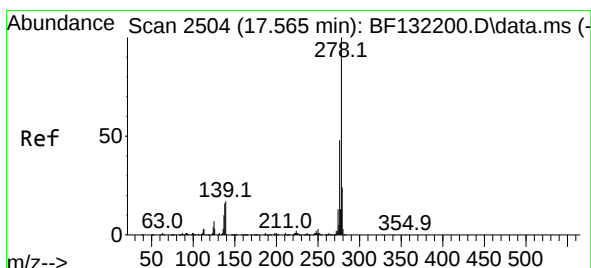
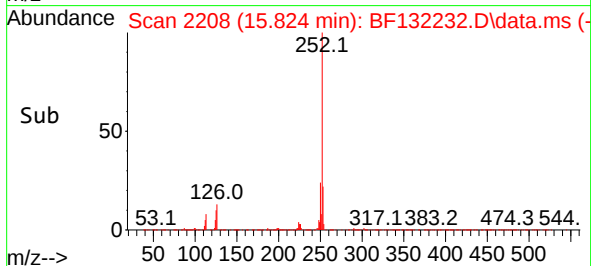
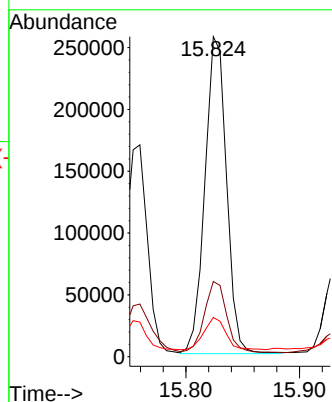
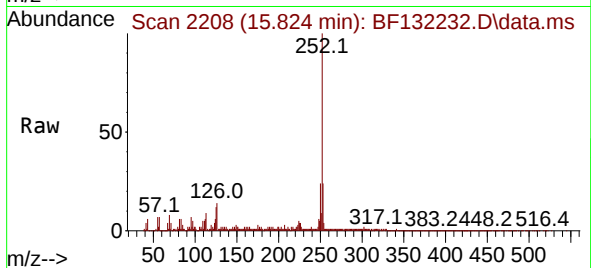
Tgt Ion:252 Resp: 338954

Ion Ratio Lower Upper

252 100

253 23.5 18.3 27.5

125 12.2 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 3.187 ng

RT: 17.571 min Scan# 2505

Delta R.T. 0.006 min

Lab File: BF132232.D

Acq: 31 Jan 2023 02:44

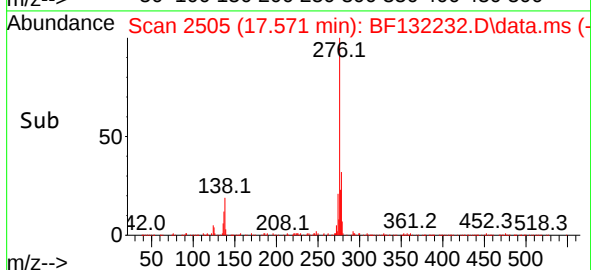
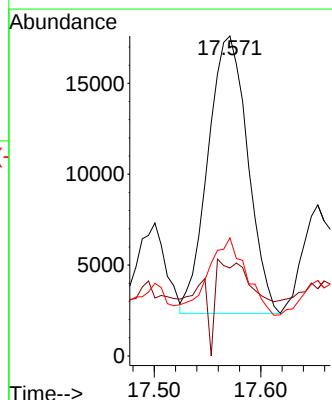
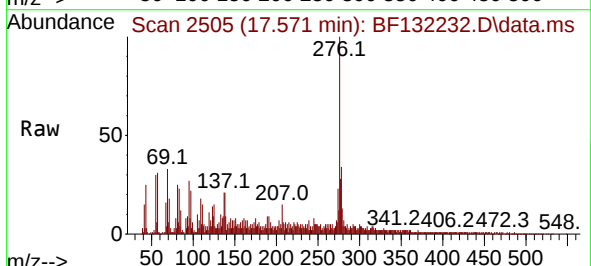
Tgt Ion:278 Resp: 39609

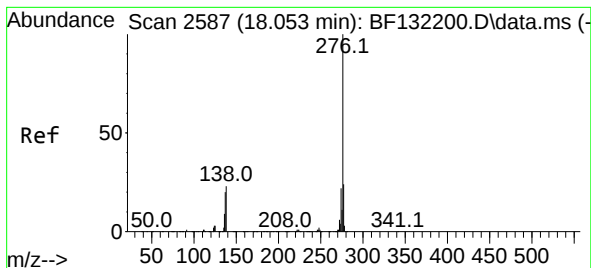
Ion Ratio Lower Upper

278 100

139 27.5 13.2 19.8#

279 36.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 14.617 ng

RT: 18.065 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132232.D

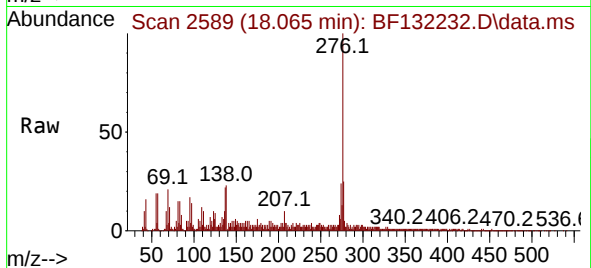
Acq: 31 Jan 2023 02:44

Instrument :

BNA_F

ClientSampleId :

RJ-1-012523



Tgt Ion:276 Resp: 185225

Ion Ratio Lower Upper

276 100

277 25.3 19.1 28.7

138 23.0 18.3 27.5

