

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132469.D
 Acq On : 18 Feb 2023 01:29
 Operator : CG\JU
 Sample : 01552-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Quant Time: Feb 18 02:08:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 18 00:58:25 2023
 Response via : Initial Calibration

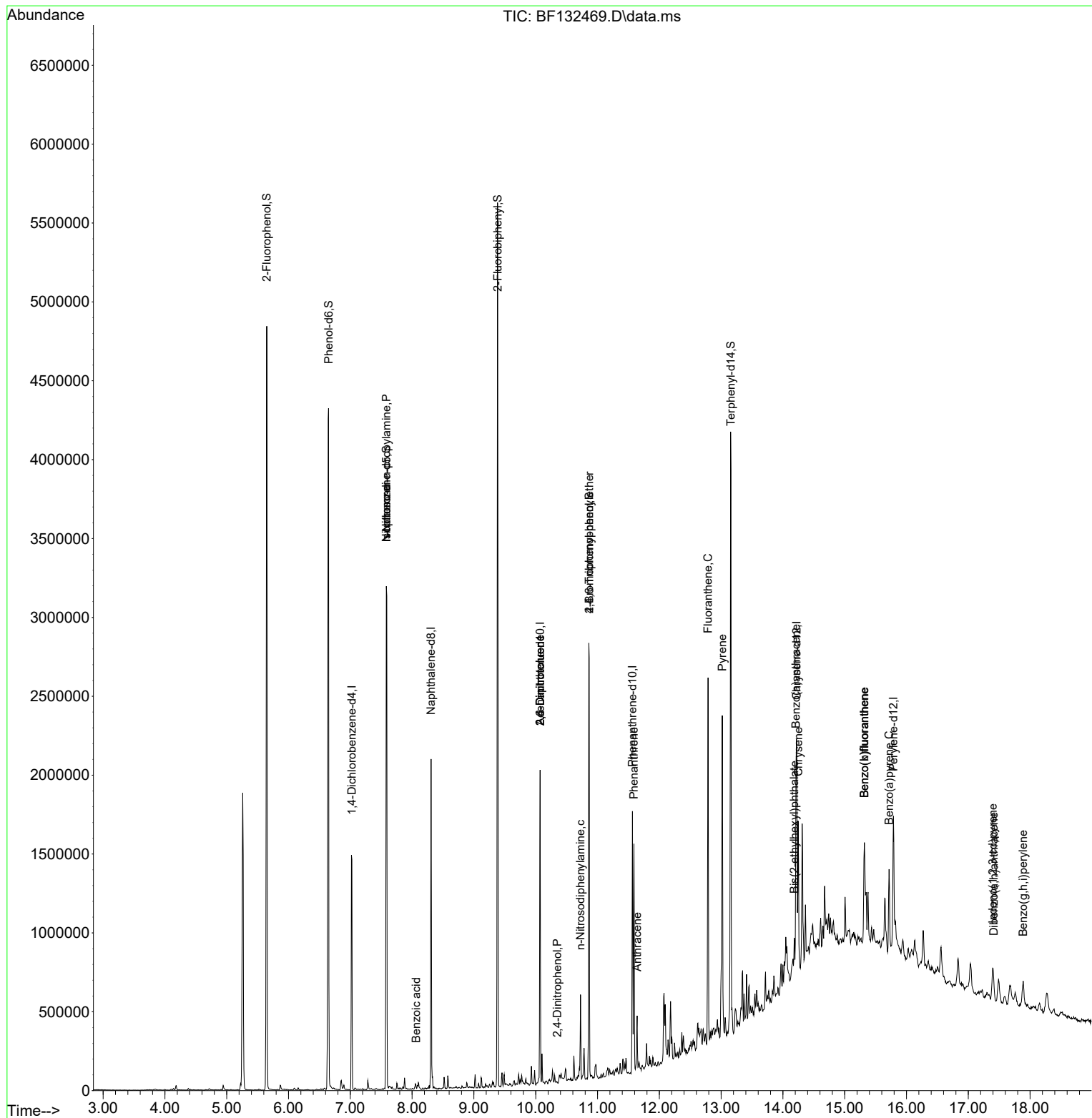
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	230181	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	790903	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	366972	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	589559	20.000	ng	0.00
76) Chrysene-d12	14.224	240	385443	20.000	ng	0.00
86) Perylene-d12	15.789	264	301855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.648	112	1381686	96.184	ng	0.00
7) Phenol-d6	6.648	99	1745157	93.038	ng	0.00
23) Nitrobenzene-d5	7.583	82	1155428	70.195	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	322638	88.118	ng	0.00
45) 2-Fluorobiphenyl	9.383	172	1610612	67.778	ng	0.00
79) Terphenyl-d14	13.160	244	1409884	66.617	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.583	70	158349	13.770	ng	# 79
25) Isophorone	7.583	82	1155414	35.722	ng	# 68
32) Benzoic acid	8.066	122	167	7.165	ng	# 16
51) 2,6-Dinitrotoluene	10.072	165	49713	8.459	ng	# 20
54) 2,4-Dinitrophenol	10.348	184	57	5.143	ng	# 3
57) 2,4-Dinitrotoluene	10.072	165	49713	6.426	ng	# 21
66) n-Nitrosodiphenylamine	10.724	169	114949	6.352	ng	99
67) 4-Bromophenyl-phenylether	10.866	248	22416	3.469	ng	# 1
71) Phenanthrene	11.589	178	473665	15.599	ng	99
72) Anthracene	11.642	178	130062	4.167	ng	97
75) Fluoranthene	12.789	202	863397	25.497	ng	99
78) Pyrene	13.018	202	793927	24.247	ng	99
81) Benzo(a)anthracene	14.212	228	430287	15.242	ng	99
83) Chrysene	14.248	228	364773	13.524	ng	96
84) Bis(2-ethylhexyl)phtha...	14.183	149	58248	3.683	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.395	276	153357	7.948	ng	97
88) Benzo(b)fluoranthene	15.318	252	522918	26.343	ng	# 93
89) Benzo(k)fluoranthene	15.318	252	522918	26.324	ng	# 94
90) Benzo(a)pyrene	15.718	252	271407	14.712	ng	96
91) Dibenzo(a,h)anthracene	17.412	278	40021	2.518	ng	# 77
92) Benzo(g,h,i)perylene	17.889	276	148882	9.122	ng	96

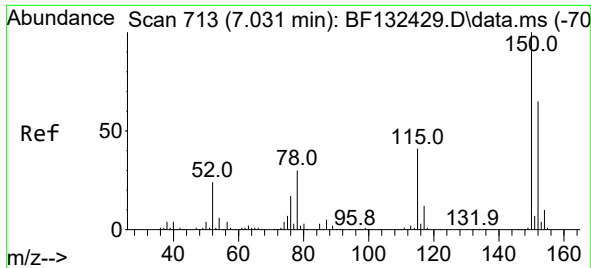
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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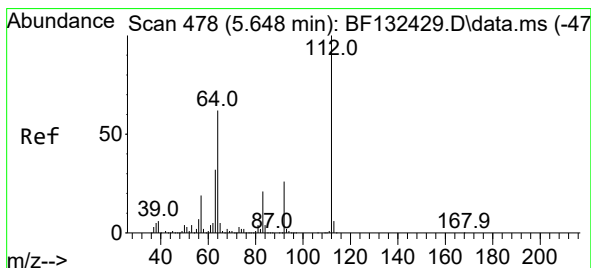
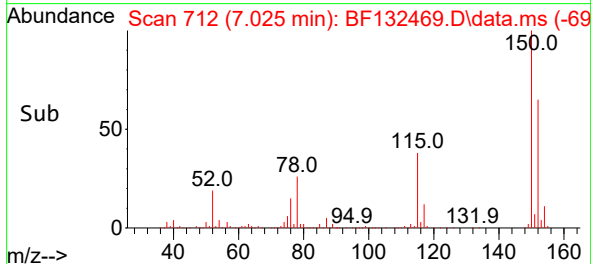
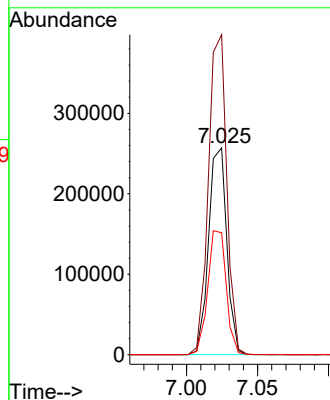
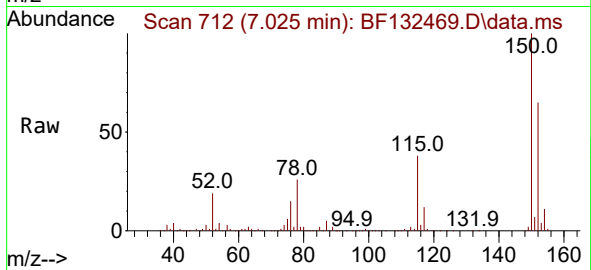




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

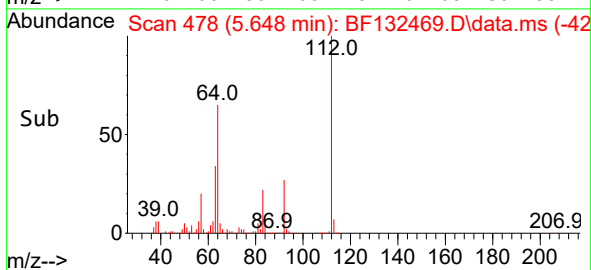
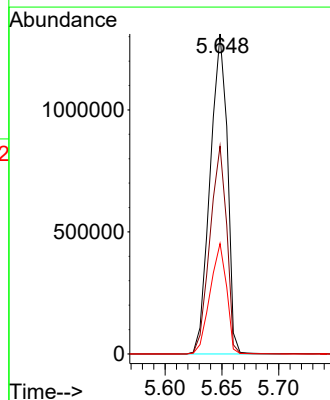
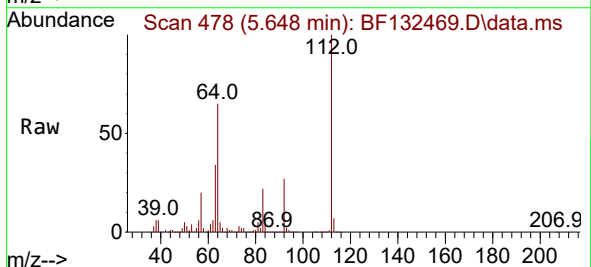
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

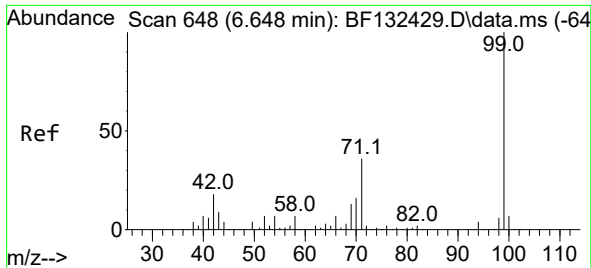
Tgt Ion:152 Resp: 230181
Ion Ratio Lower Upper
152 100
150 154.6 123.8 185.8
115 58.9 50.4 75.6



#5
2-Fluorophenol
Concen: 96.184 ng
RT: 5.648 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:112 Resp: 1381686
Ion Ratio Lower Upper
112 100
64 65.0 49.7 74.5
63 34.5 25.8 38.8

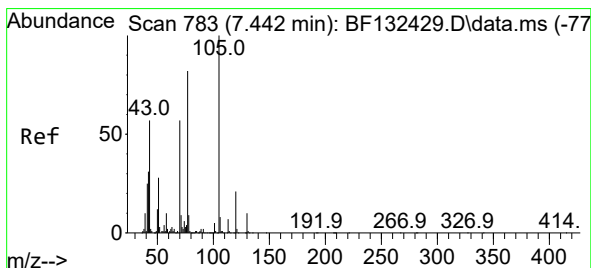
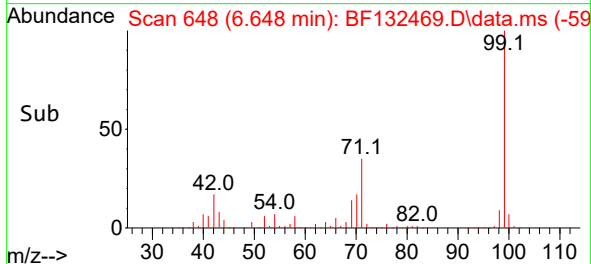
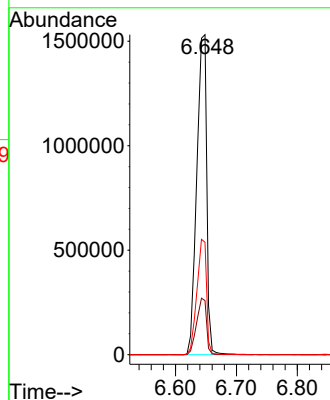
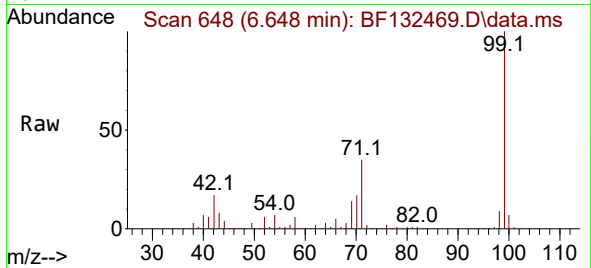




#7
Phenol-d6
Concen: 93.038 ng
RT: 6.648 min Scan# 64
Delta R.T. -0.000 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

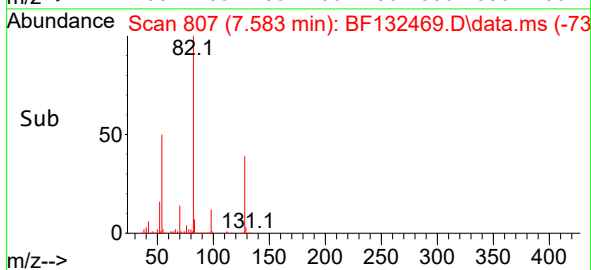
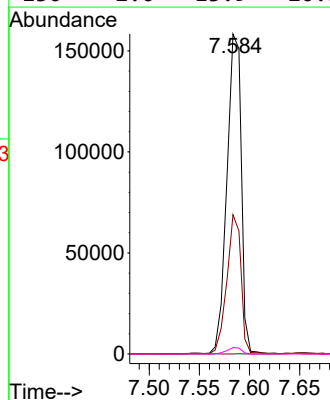
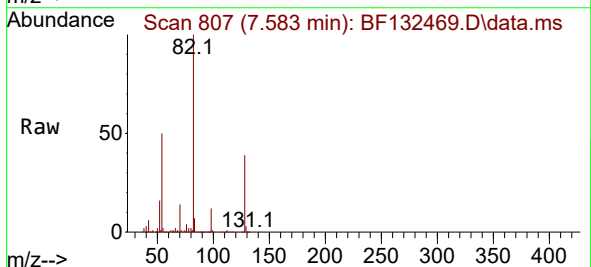
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

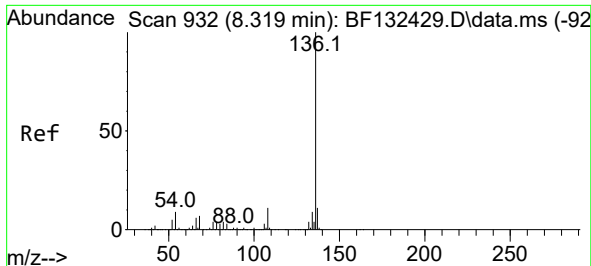
Tgt Ion: 99 Resp: 1745157
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 35.2 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.770 ng
RT: 7.583 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion: 70 Resp: 158349
Ion Ratio Lower Upper
70 100
42 43.5 43.5 65.3#
101 0.0 7.3 10.9#
130 2.0 13.9 20.9#

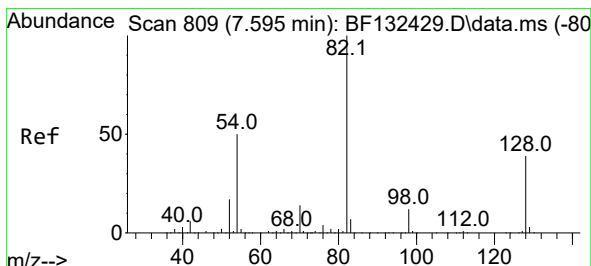
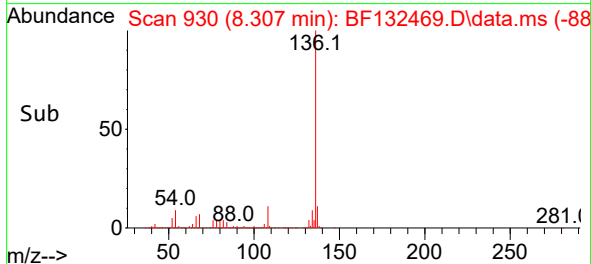
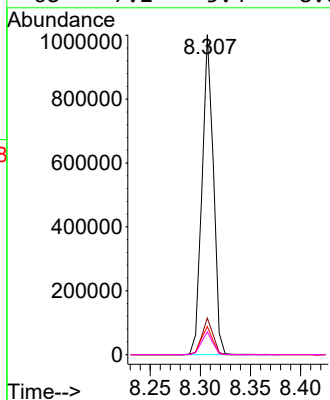
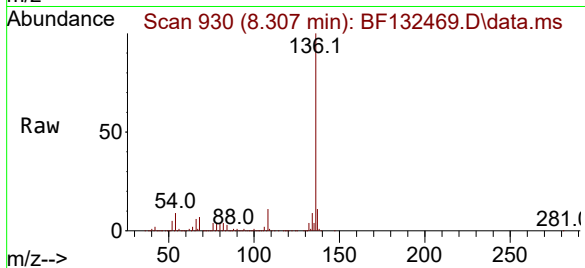




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

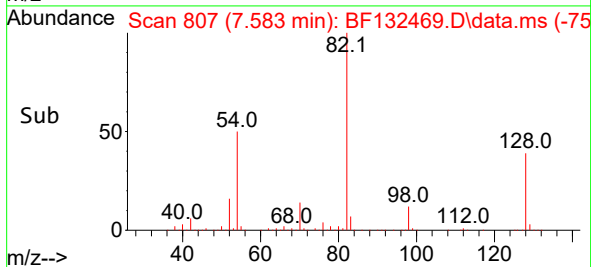
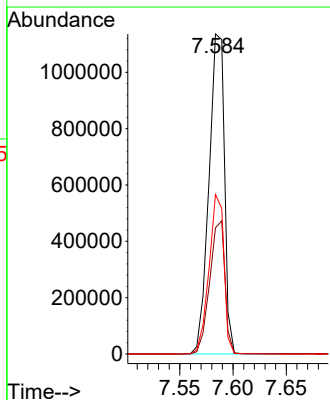
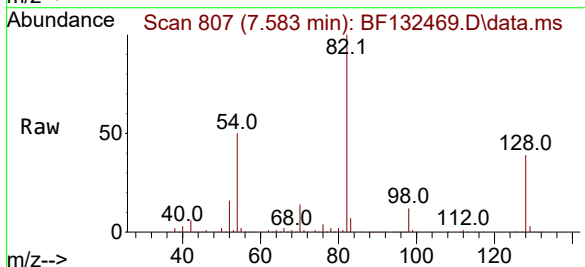
Instrument :
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ClientSampleId :
SB-02-0-2.0

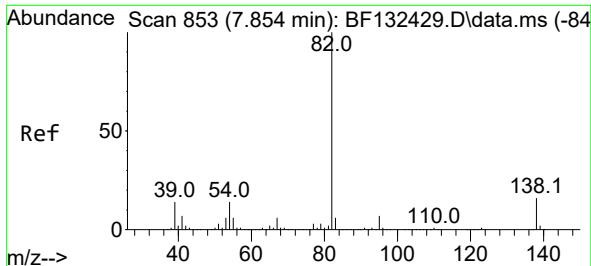
Tgt Ion:136 Resp: 790903
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.8 6.9 10.3
68 7.2 5.4 8.0



#23
Nitrobenzene-d5
Concen: 70.195 ng
RT: 7.583 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion: 82 Resp: 1155428
Ion Ratio Lower Upper
82 100
128 39.4 30.8 46.2
54 49.9 40.2 60.4

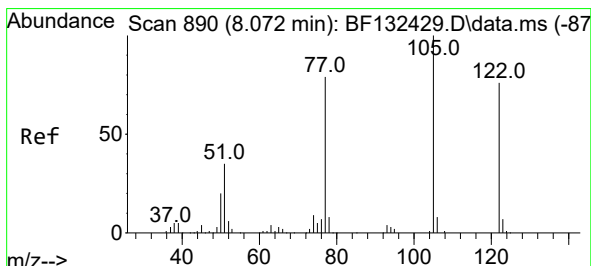
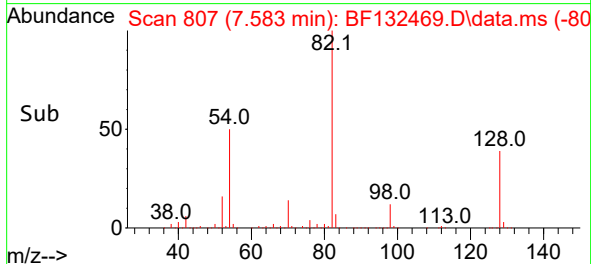
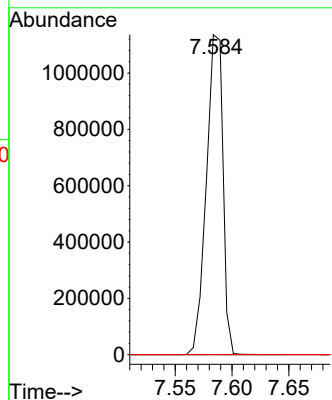
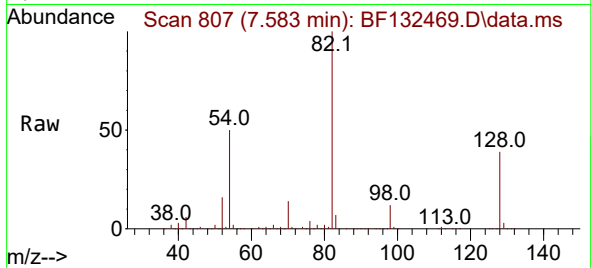




#25
Isophorone
Concen: 35.722 ng
RT: 7.583 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

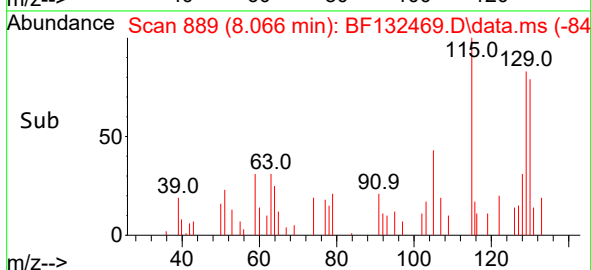
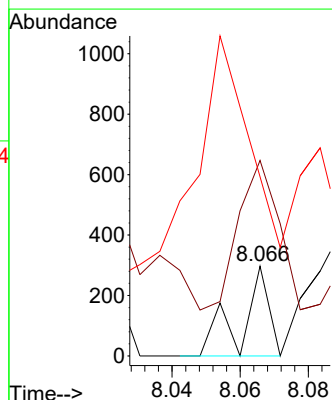
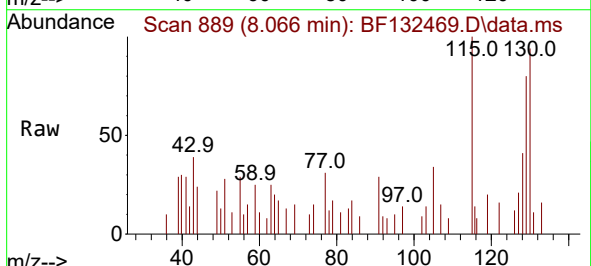
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BNA_F
ClientSampleId :
SB-02-0-2.0

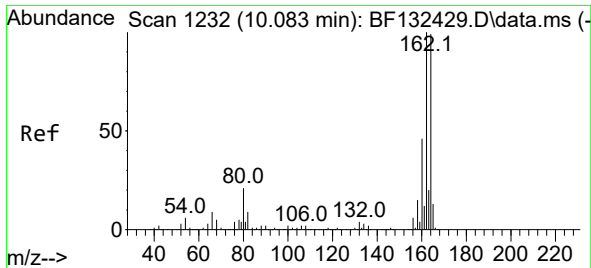
Tgt Ion: 82 Resp: 1155414
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.165 ng
RT: 8.066 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:122 Resp: 167
Ion Ratio Lower Upper
122 100
105 217.8 109.7 149.7#
77 199.7 83.8 123.8#

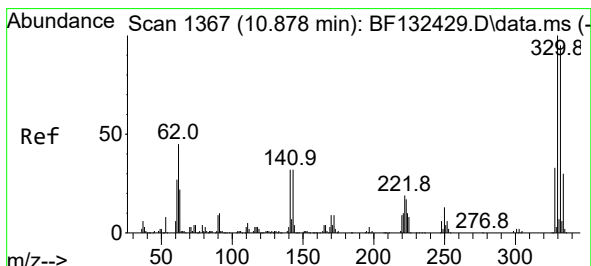
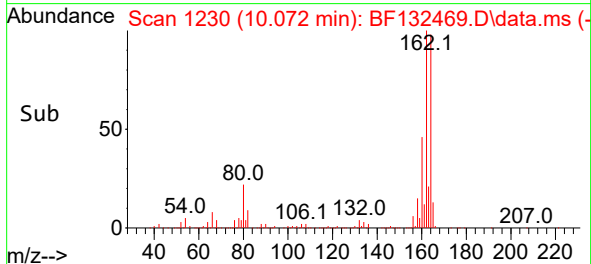
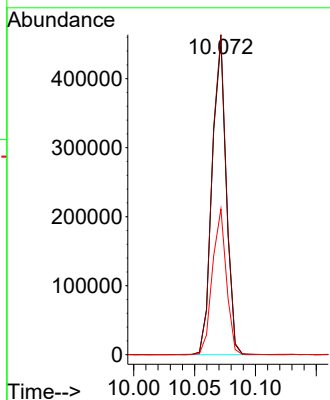
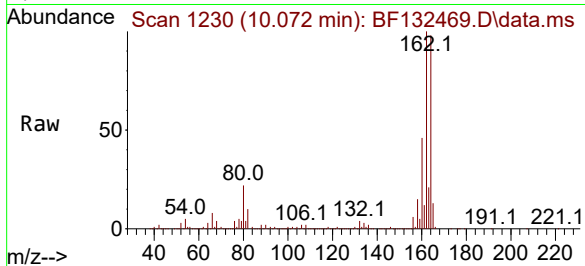




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

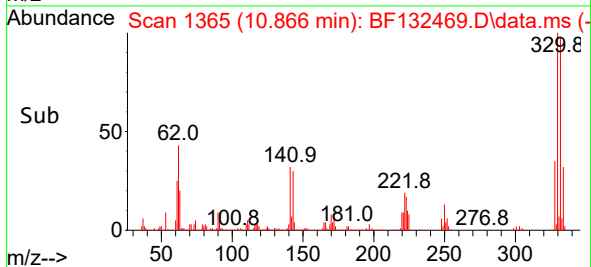
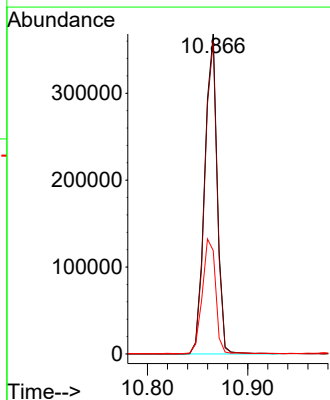
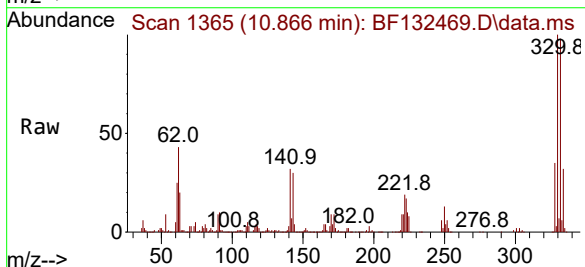
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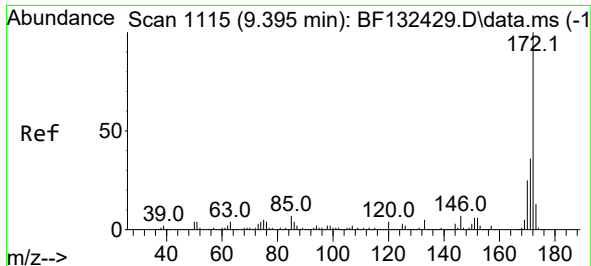
Tgt Ion:164 Resp: 366972
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 46.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 88.118 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:330 Resp: 322638
Ion Ratio Lower Upper
330 100
332 97.0 76.3 114.5
141 37.8 30.3 45.5

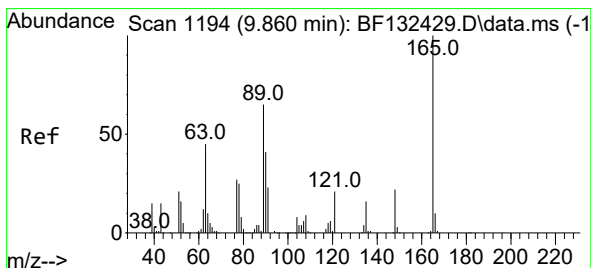
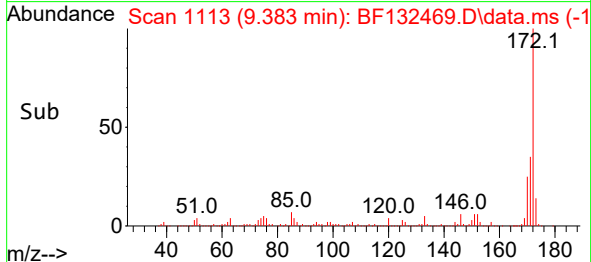
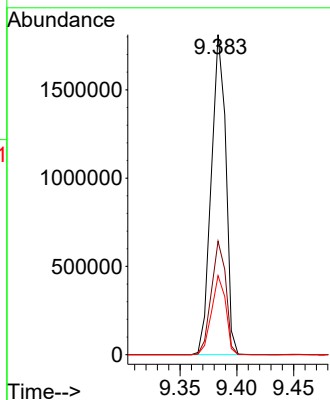
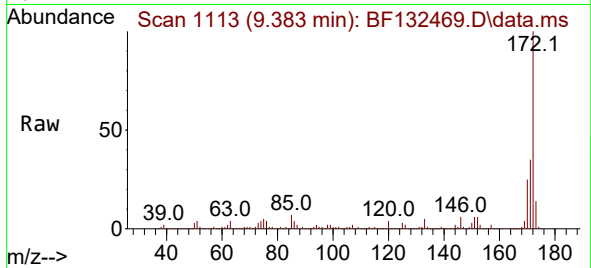




#45
2-Fluorobiphenyl
Concen: 67.778 ng
RT: 9.383 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

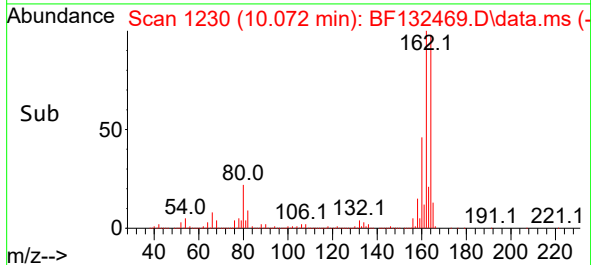
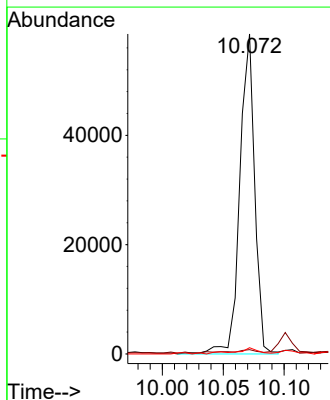
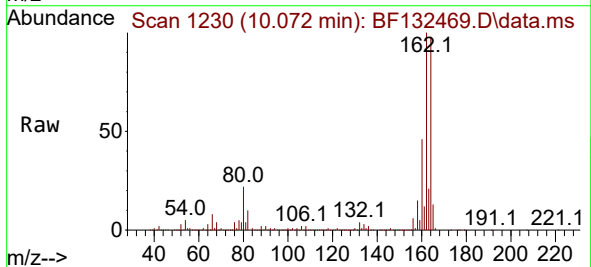
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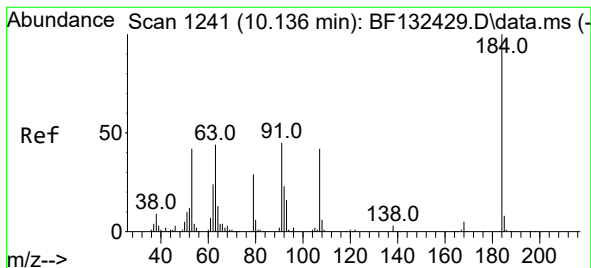
Tgt Ion:172 Resp: 1610612
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 24.7 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.459 ng
RT: 10.072 min Scan# 1230
Delta R.T. 0.218 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:165 Resp: 49713
Ion Ratio Lower Upper
165 100
63 1.3 50.4 75.6#
89 2.0 52.2 78.2#

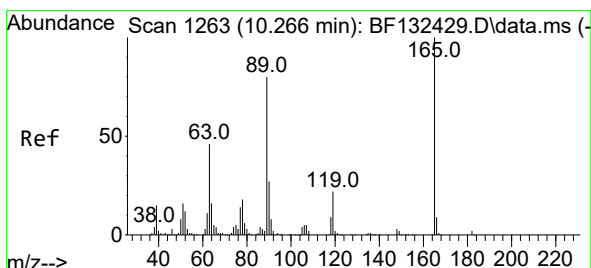
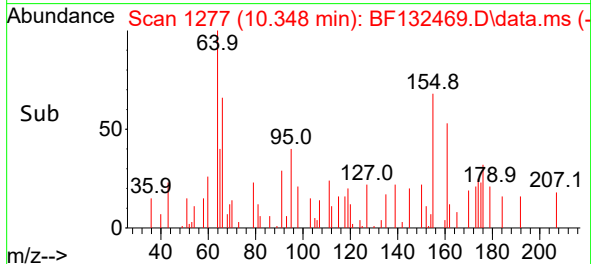
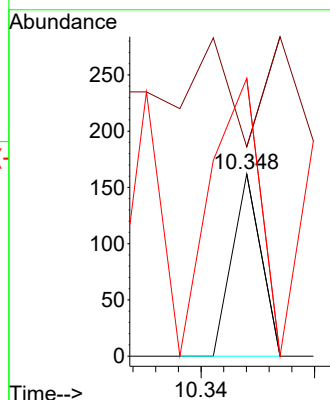
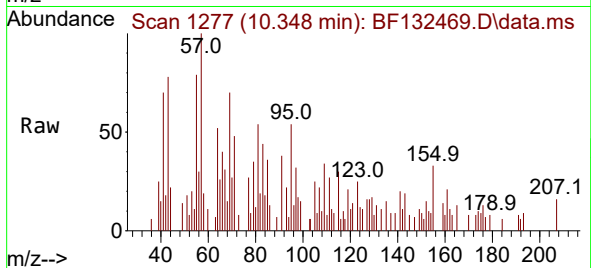




#54
2,4-Dinitrophenol
Concen: 5.143 ng
RT: 10.348 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

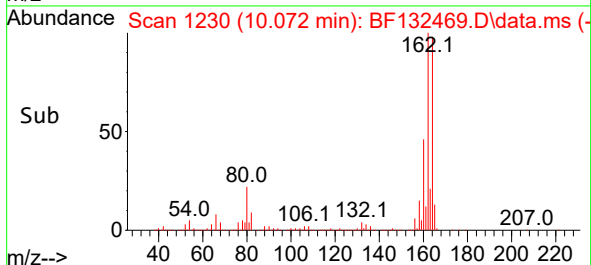
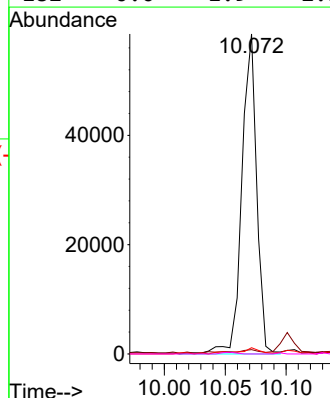
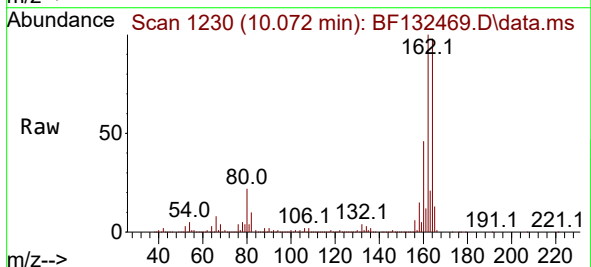
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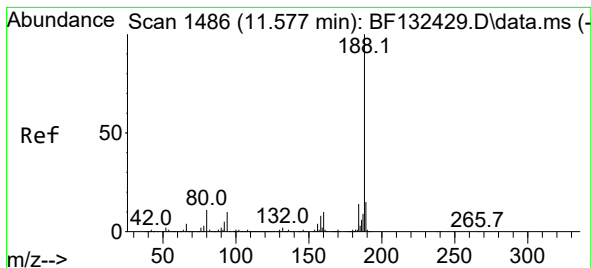
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 114.8 47.0 70.6#
154 152.5 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.426 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.188 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:165 Resp: 49713
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 2.0 63.6 95.4#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.566 min Scan# 1486

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

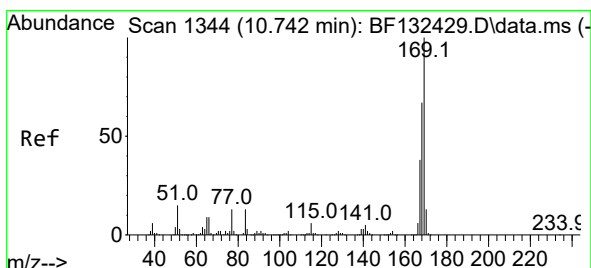
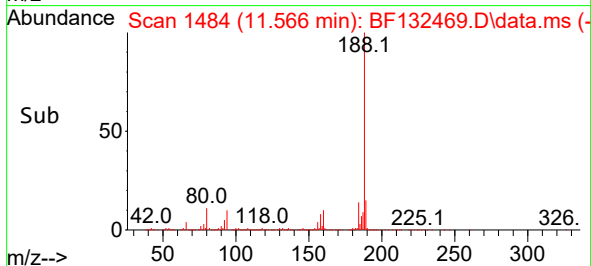
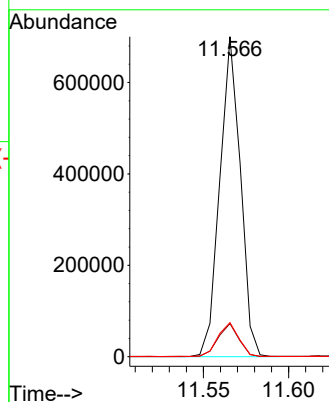
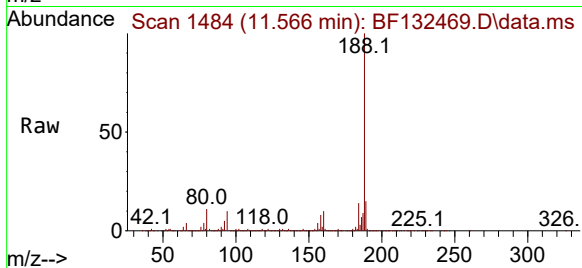
Tgt Ion:188 Resp: 589559

Ion Ratio Lower Upper

188 100

94 10.3 8.0 12.0

80 10.7 8.6 12.8



#66

n-Nitrosodiphenylamine

Concen: 6.352 ng

RT: 10.724 min Scan# 1341

Delta R.T. -0.012 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

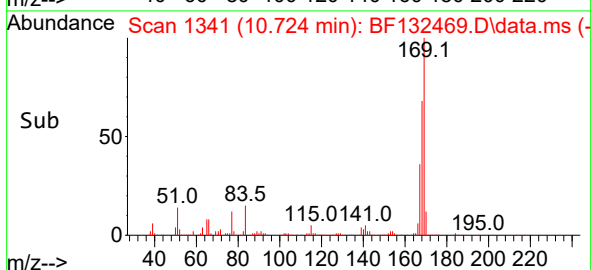
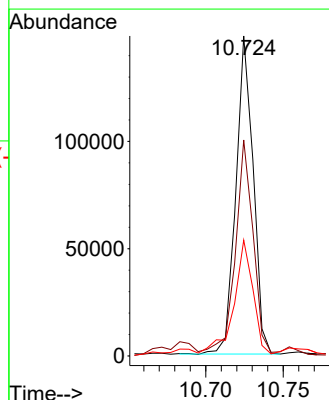
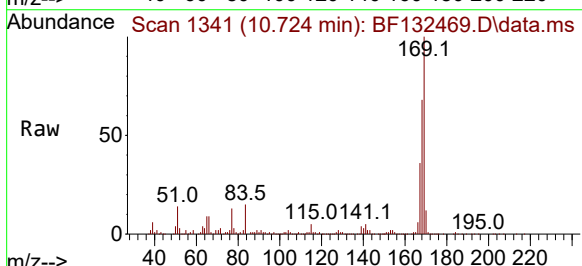
Tgt Ion:169 Resp: 114949

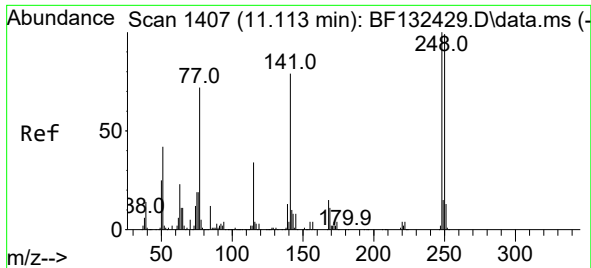
Ion Ratio Lower Upper

169 100

168 67.5 53.5 80.3

167 36.2 30.2 45.2

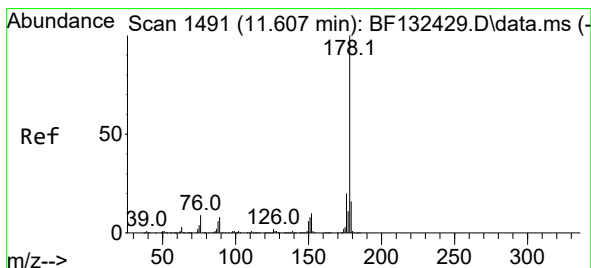
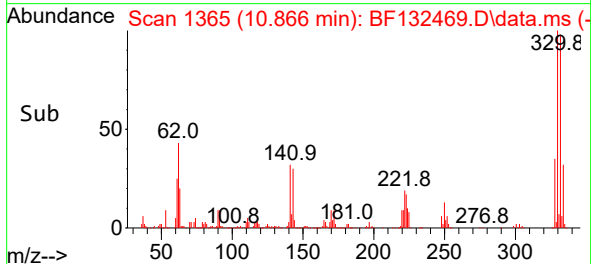
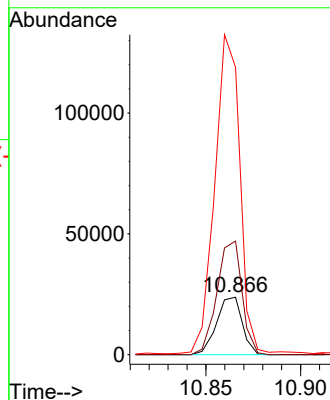
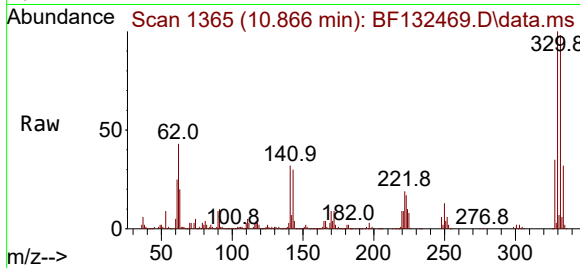




#67
4-Bromophenyl-phenylether
Concen: 3.469 ng
RT: 10.866 min Scan# 11
Delta R.T. -0.241 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

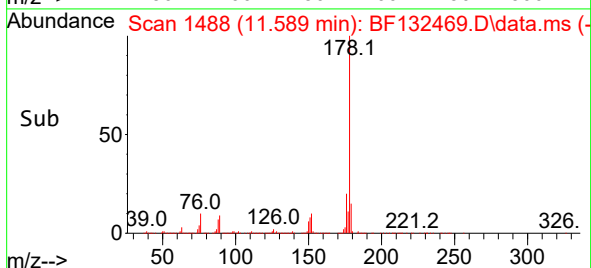
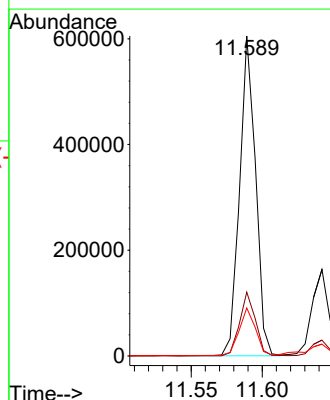
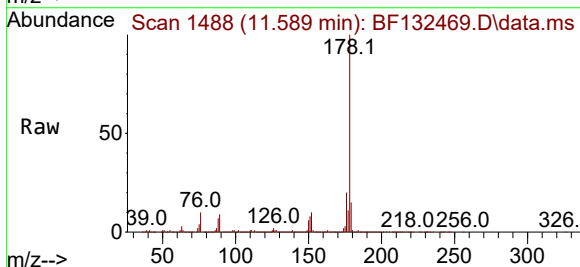
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

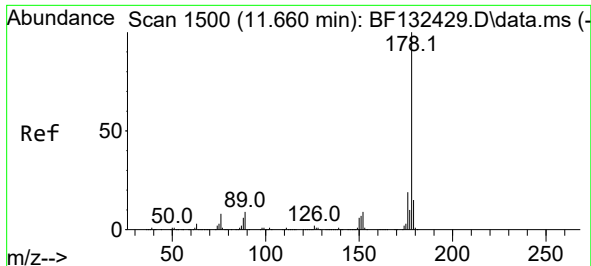
Tgt Ion:248 Resp: 22416
Ion Ratio Lower Upper
248 100
250 197.9 79.0 118.4#
141 500.6 63.3 94.9#



#71
Phenanthrene
Concen: 15.599 ng
RT: 11.589 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:178 Resp: 473665
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 15.0 12.6 18.8

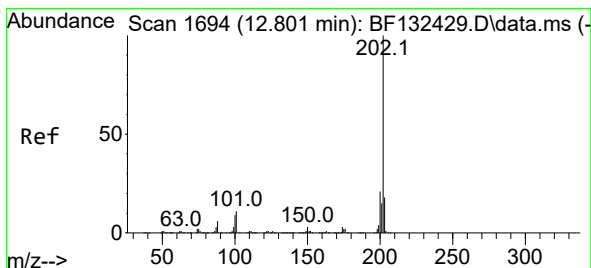
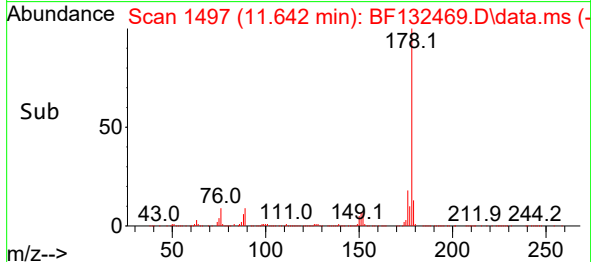
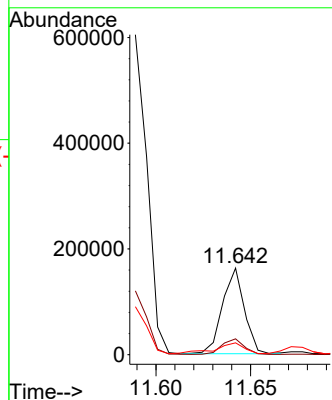
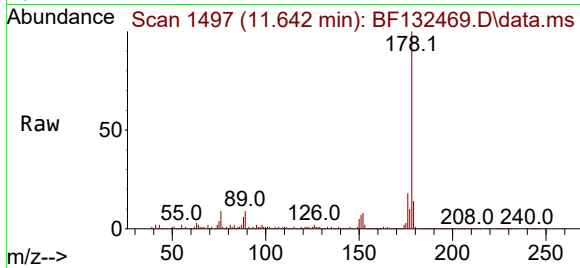




#72
 Anthracene
 Concen: 4.167 ng
 RT: 11.642 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF132469.D
 Acq: 18 Feb 2023 01:29

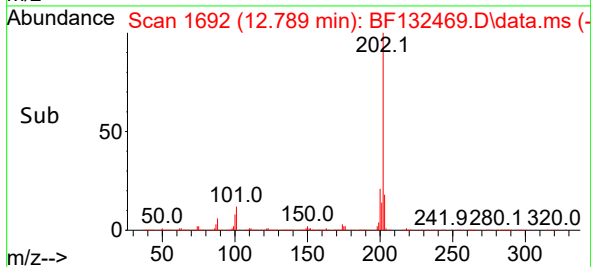
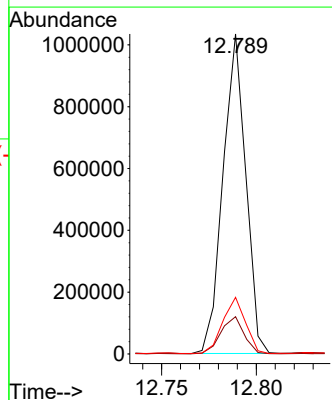
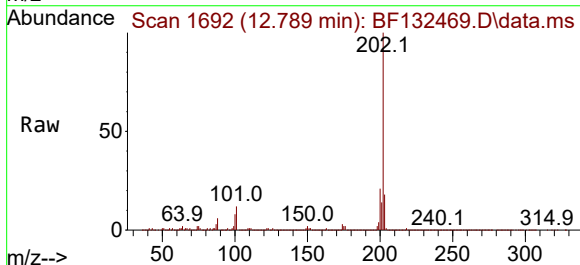
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

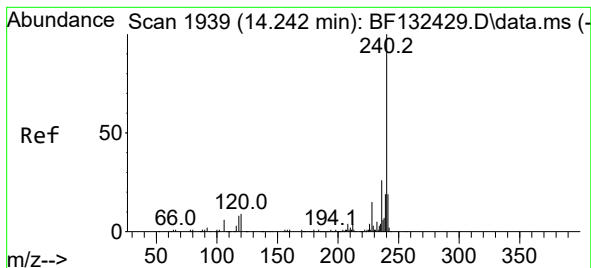
Tgt Ion:178 Resp: 130062
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 13.6 12.4 18.6



#75
 Fluoranthene
 Concen: 25.497 ng
 RT: 12.789 min Scan# 1692
 Delta R.T. -0.006 min
 Lab File: BF132469.D
 Acq: 18 Feb 2023 01:29

Tgt Ion:202 Resp: 863397
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.3
 203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.224 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

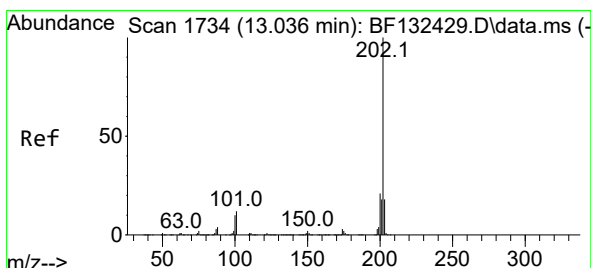
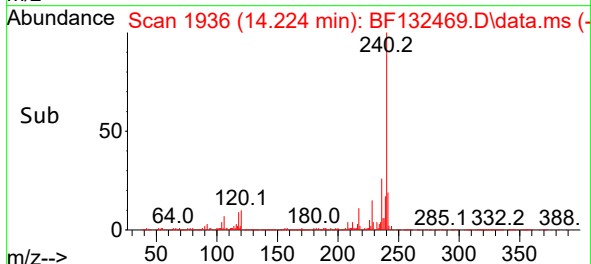
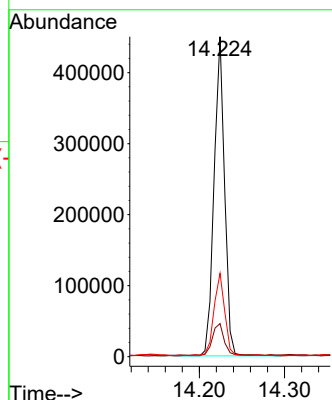
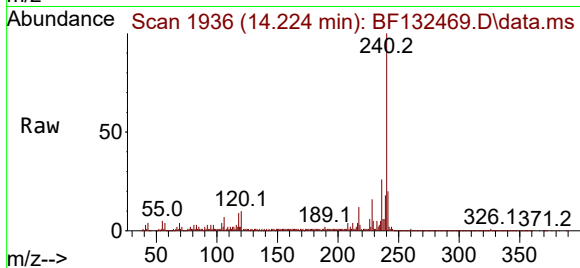
Tgt Ion:240 Resp: 385443

Ion Ratio Lower Upper

240 100

120 10.3 7.5 11.3

236 26.1 21.0 31.6



#78

Pyrene

Concen: 24.247 ng

RT: 13.018 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

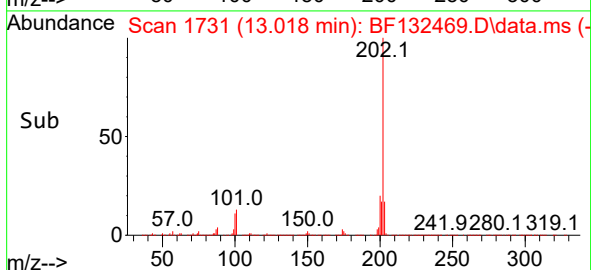
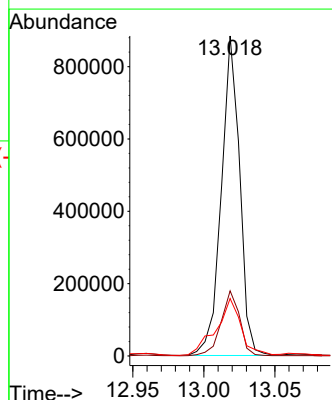
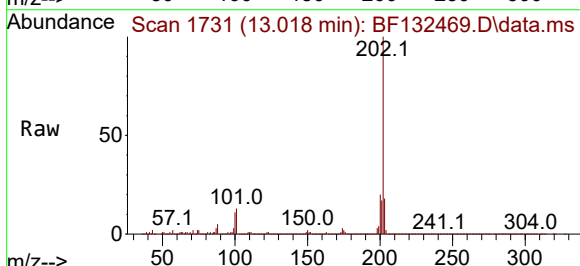
Tgt Ion:202 Resp: 793927

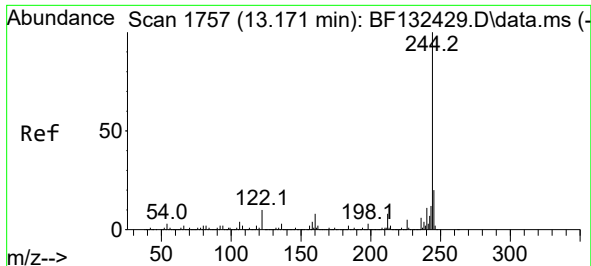
Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

203 18.0 14.3 21.5

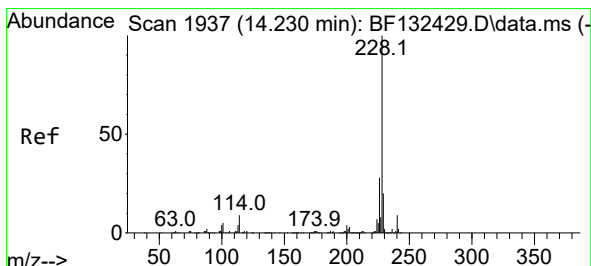
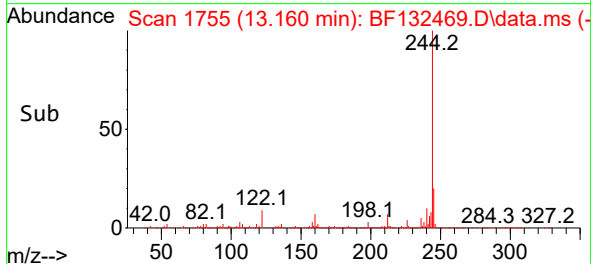
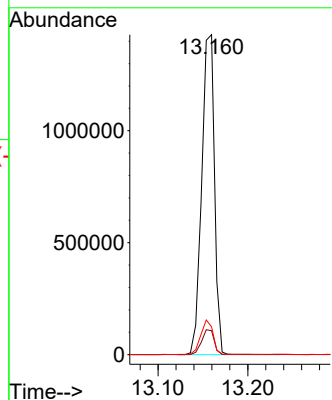
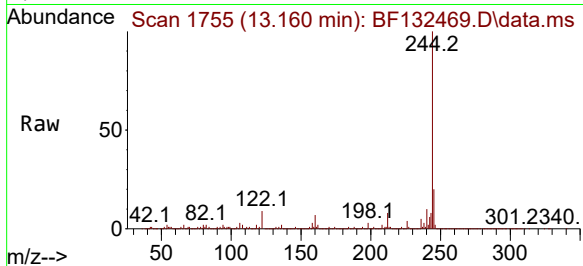




#79
 Terphenyl-d14
 Concen: 66.617 ng
 RT: 13.160 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF132469.D
 Acq: 18 Feb 2023 01:29

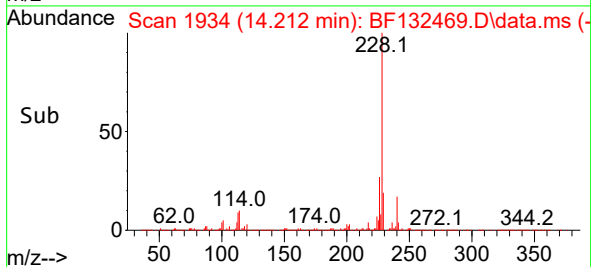
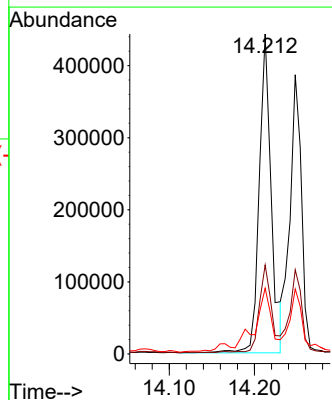
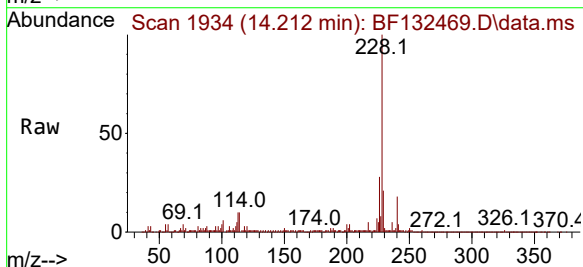
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

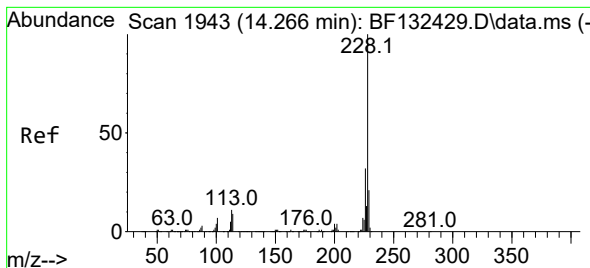
Tgt Ion:244 Resp: 1409884
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.7 10.1
 122 8.7 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 15.242 ng
 RT: 14.212 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BF132469.D
 Acq: 18 Feb 2023 01:29

Tgt Ion:228 Resp: 430287
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.6 34.0
 229 20.6 16.2 24.4





#83

Chrysene

Concen: 13.524 ng

RT: 14.248 min Scan# 1940

Delta R.T. -0.012 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

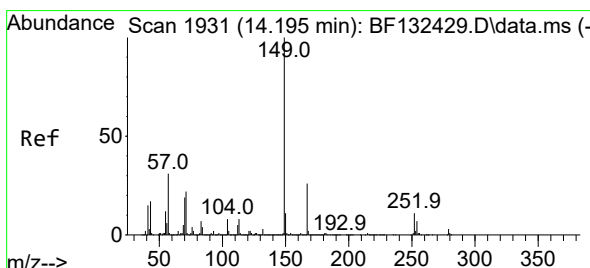
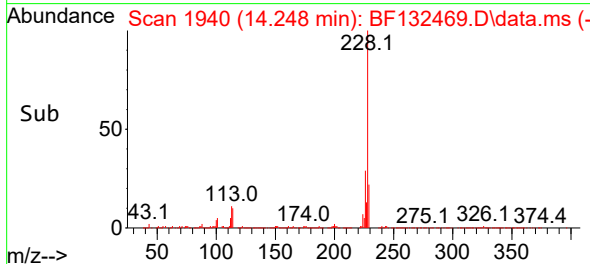
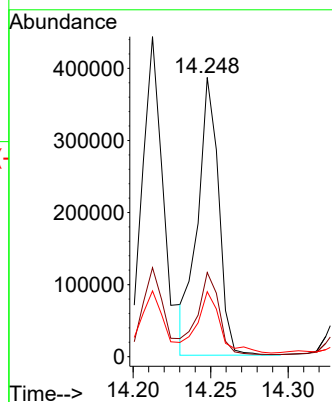
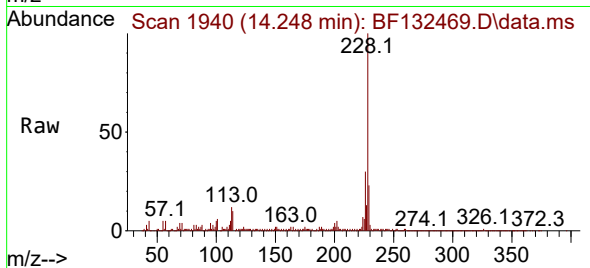
Tgt Ion:228 Resp: 364773

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

229 23.3 16.6 25.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.683 ng

RT: 14.183 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

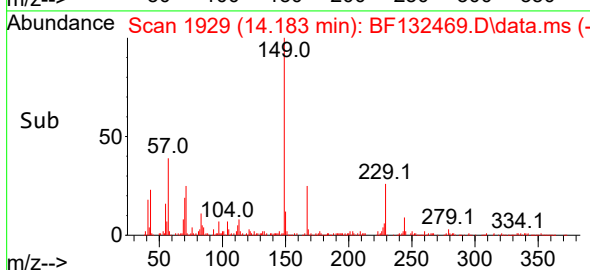
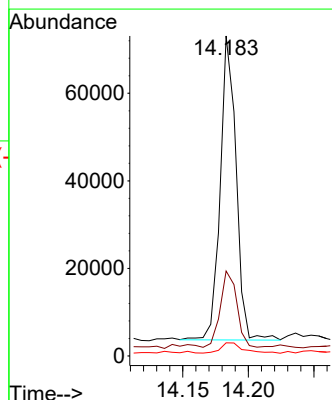
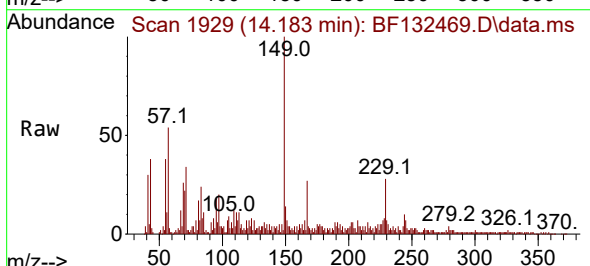
Tgt Ion:149 Resp: 58248

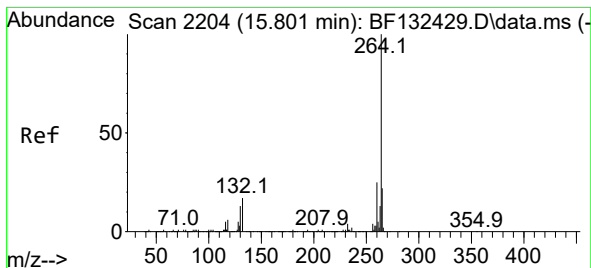
Ion Ratio Lower Upper

149 100

167 26.5 21.0 31.6

279 4.1 2.5 3.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.789 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

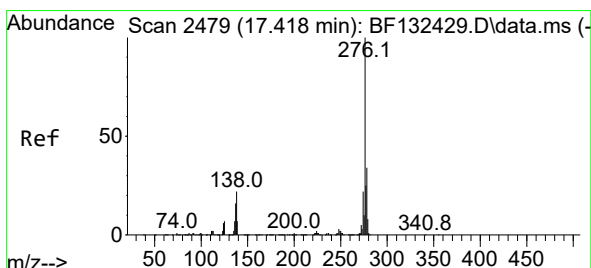
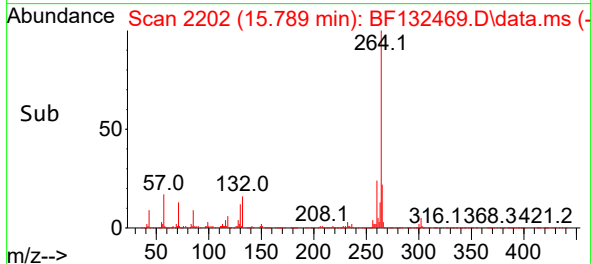
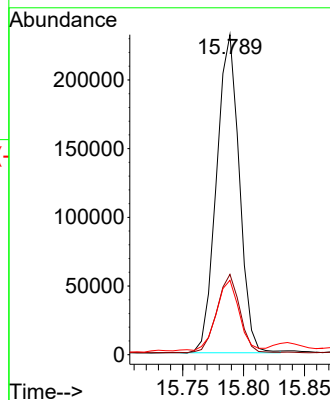
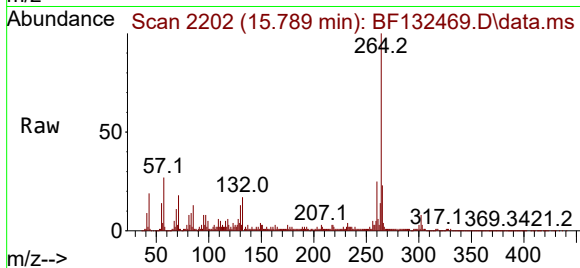
Tgt Ion:264 Resp: 301855

Ion Ratio Lower Upper

264 100

260 25.1 20.0 30.0

265 23.2 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.948 ng

RT: 17.395 min Scan# 2475

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

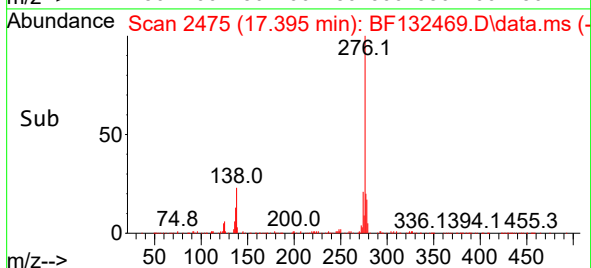
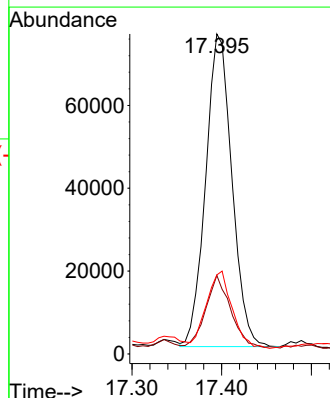
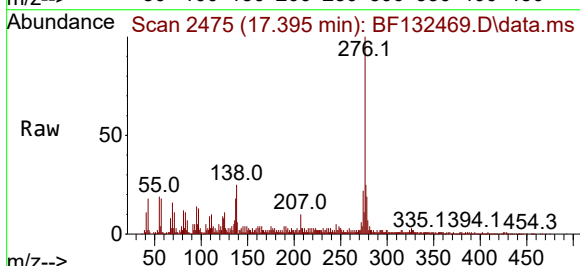
Tgt Ion:276 Resp: 153357

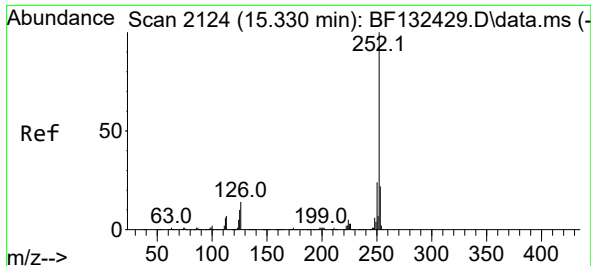
Ion Ratio Lower Upper

276 100

138 22.6 20.2 30.4

277 24.2 20.0 30.0

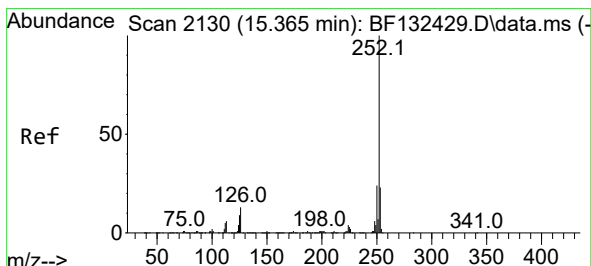
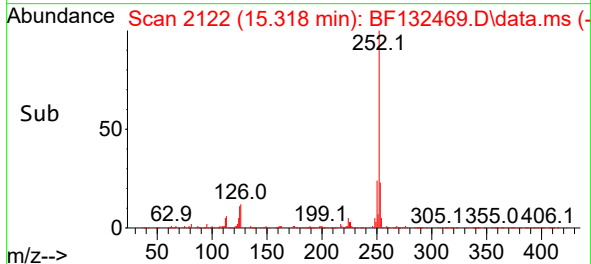
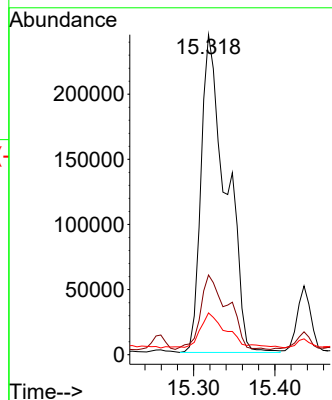
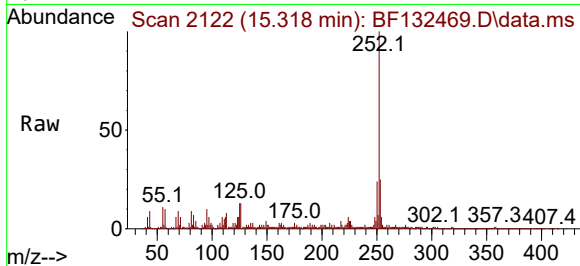




#88
Benzo(b)fluoranthene
Concen: 26.343 ng
RT: 15.318 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

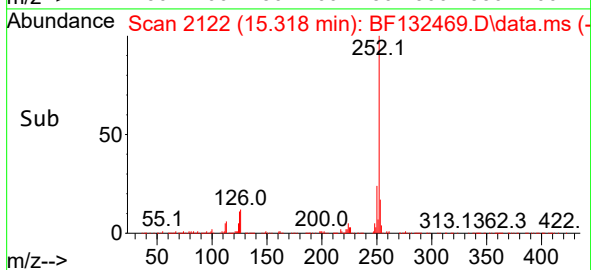
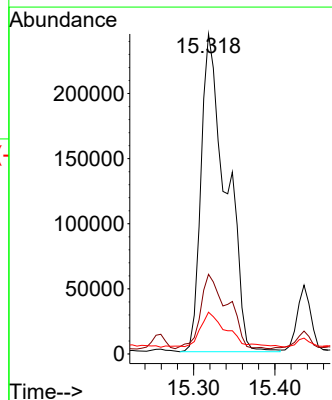
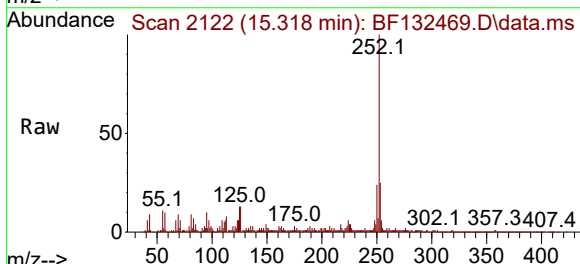
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

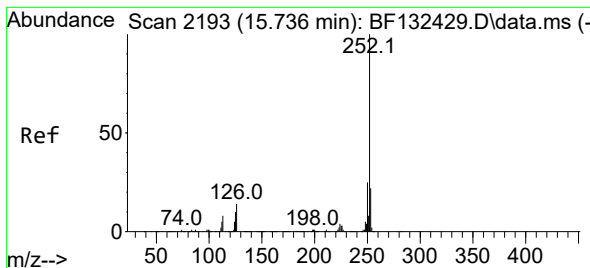
Tgt Ion:252 Resp: 522918
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 13.0 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 26.324 ng
RT: 15.318 min Scan# 2122
Delta R.T. -0.035 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:252 Resp: 522918
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 13.0 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 14.712 ng

RT: 15.718 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

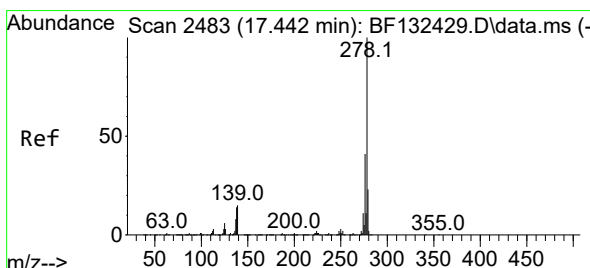
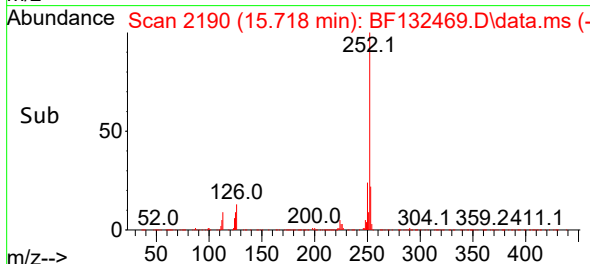
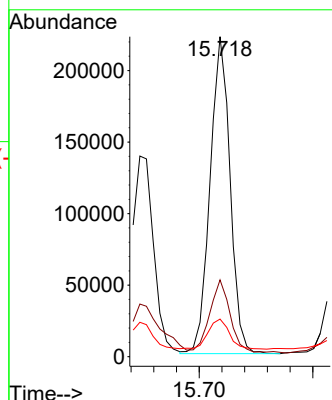
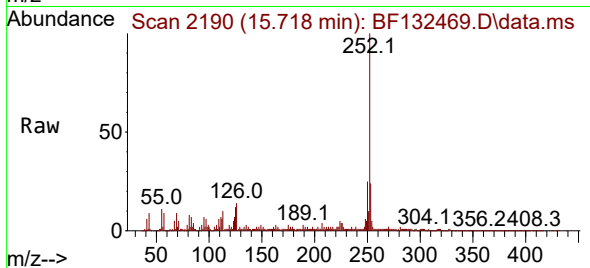
Tgt Ion:252 Resp: 271407

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 11.8 8.2 12.4



#91

Dibenzo(a,h)anthracene

Concen: 2.518 ng

RT: 17.412 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

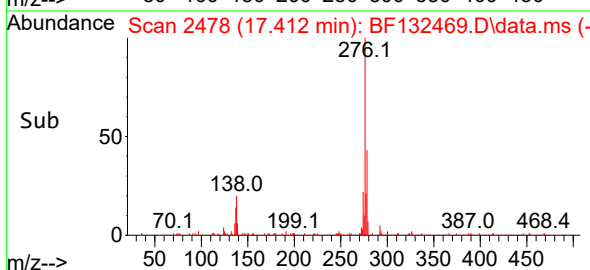
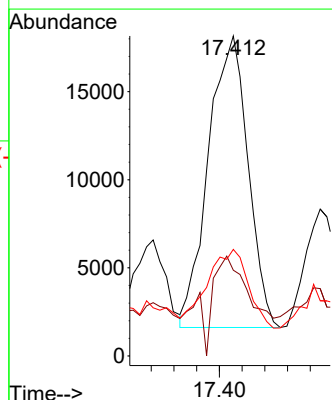
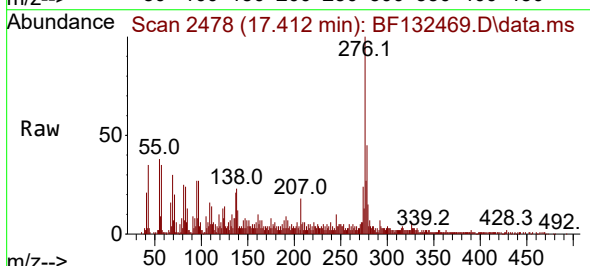
Tgt Ion:278 Resp: 40021

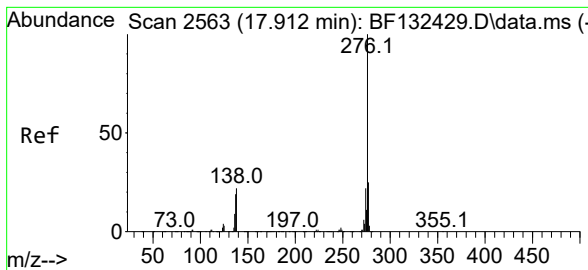
Ion Ratio Lower Upper

278 100

139 26.8 12.2 18.2#

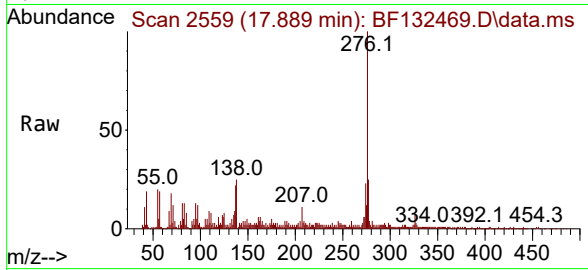
279 33.3 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 9.122 ng
 RT: 17.889 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF132469.D
 Acq: 18 Feb 2023 01:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0



Tgt Ion: 276 Resp: 148882

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.6	29.4
138	24.7	17.7	26.5

