

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132484.D
 Acq On : 20 Feb 2023 18:01
 Operator : CG\JU
 Sample : 01552-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-4.0-6.0

Quant Time: Feb 21 00:04:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

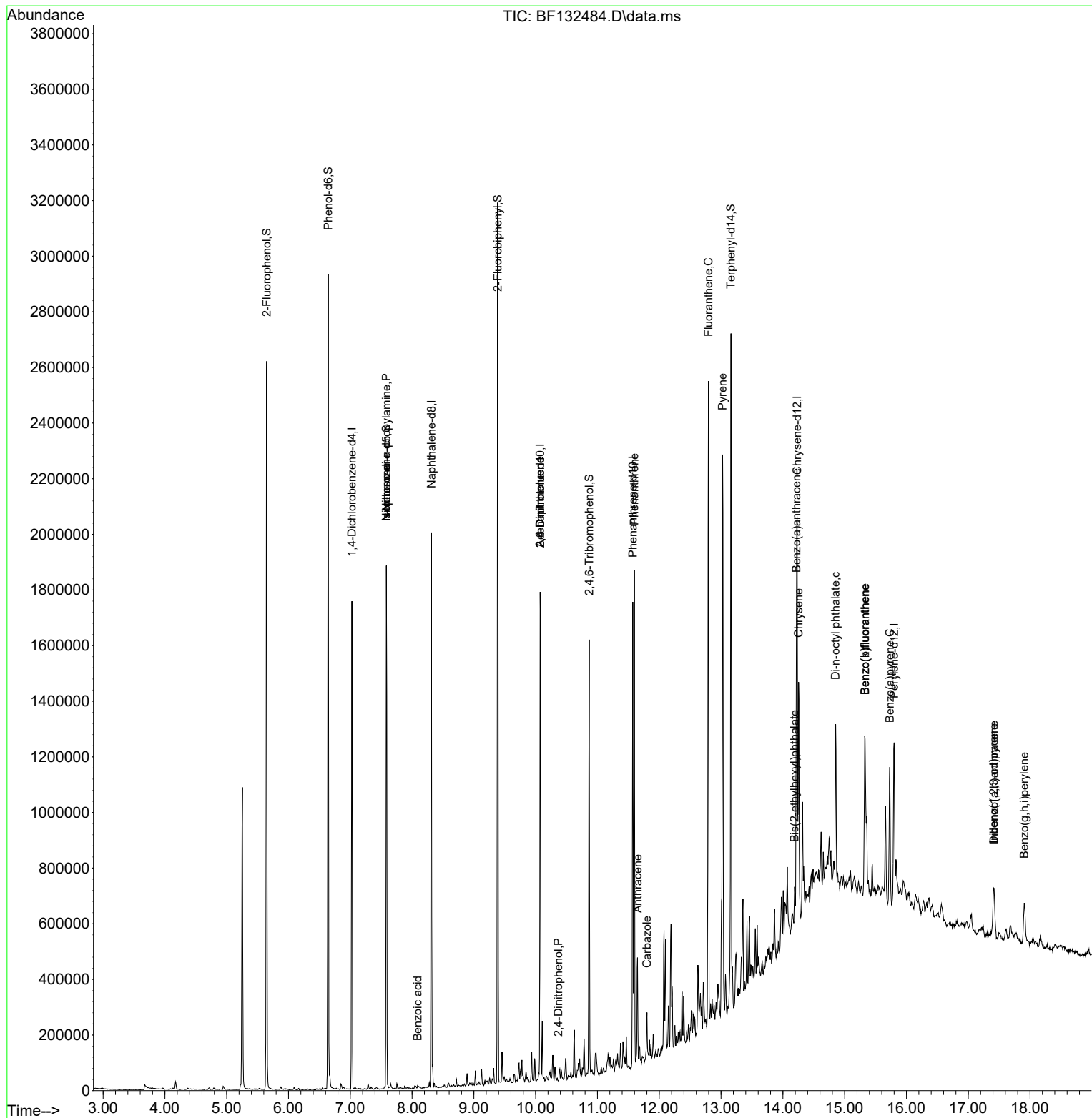
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	227689	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	796217	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	364879	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	592034	20.000	ng	0.00
76) Chrysene-d12	14.230	240	357107	20.000	ng	# 0.00
86) Perylene-d12	15.801	264	290602	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	718254	50.547	ng	0.00
7) Phenol-d6	6.643	99	912909	49.202	ng	0.00
23) Nitrobenzene-d5	7.584	82	564430	34.062	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	157843	43.357	ng	0.00
45) 2-Fluorobiphenyl	9.384	172	915068	38.729	ng	0.00
79) Terphenyl-d14	13.160	244	808581	41.237	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.584	70	74941	6.588	ng	# 79
25) Isophorone	7.584	82	564358	17.332	ng	# 68
32) Benzoic acid	8.090	122	643	7.209	ng	# 46
51) 2,6-Dinitrotoluene	10.072	165	50182	8.588	ng	# 20
54) 2,4-Dinitrophenol	10.366	184	55	5.142	ng	# 21
57) 2,4-Dinitrotoluene	10.072	165	50382	6.550	ng	# 20
71) Phenanthrene	11.595	178	588306	19.294	ng	99
72) Anthracene	11.648	178	149226	4.761	ng	99
73) Carbazole	11.801	167	56632	2.007	ng	99
75) Fluoranthene	12.795	202	897260	26.386	ng	100
78) Pyrene	13.025	202	874743	28.835	ng	99
81) Benzo(a)anthracene	14.219	228	400120	15.298	ng	99
83) Chrysene	14.254	228	363712	14.555	ng	98
84) Bis(2-ethylhexyl)phtha...	14.189	149	37402	2.552	ng	# 95
85) Di-n-octyl phthalate	14.854	149	58984	2.772	ng	# 46
87) Indeno(1,2,3-cd)pyrene	17.412	276	137083	7.379	ng	96
88) Benzo(b)fluoranthene	15.330	252	478812	25.055	ng	# 97
89) Benzo(k)fluoranthene	15.330	252	478812	25.037	ng	# 98
90) Benzo(a)pyrene	15.730	252	259503	14.612	ng	97
91) Dibenzo(a,h)anthracene	17.418	278	39543	2.584	ng	# 79
92) Benzo(g,h,i)perylene	17.907	276	138370	8.806	ng	96

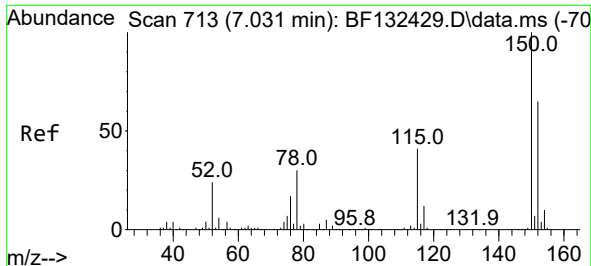
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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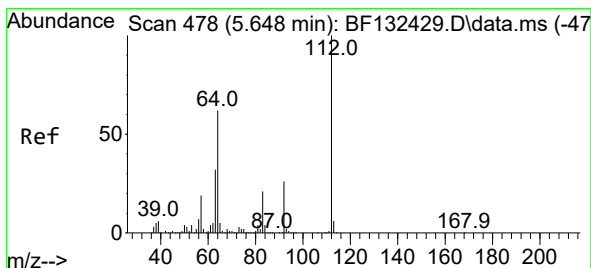
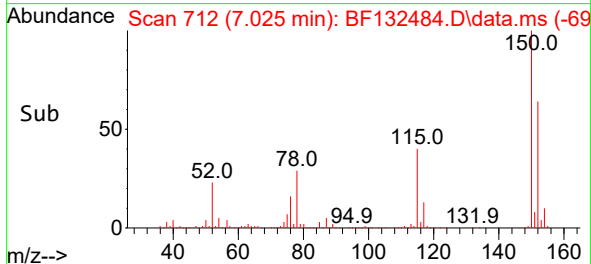
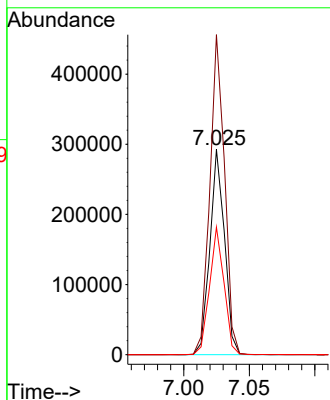
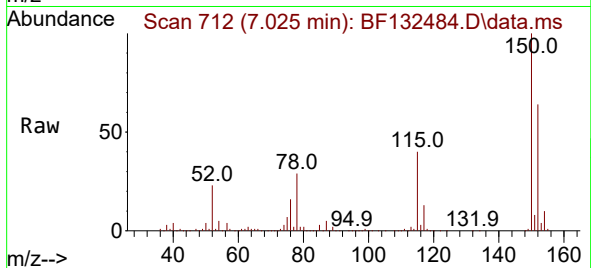




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

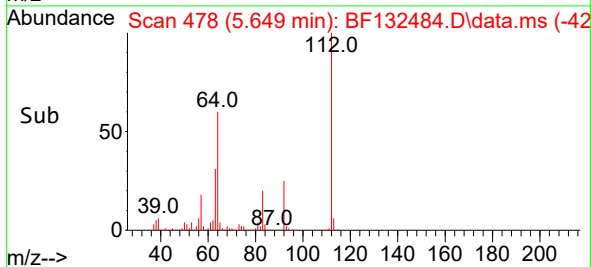
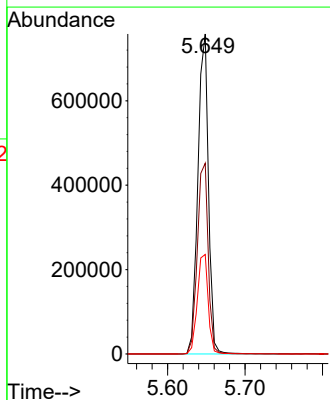
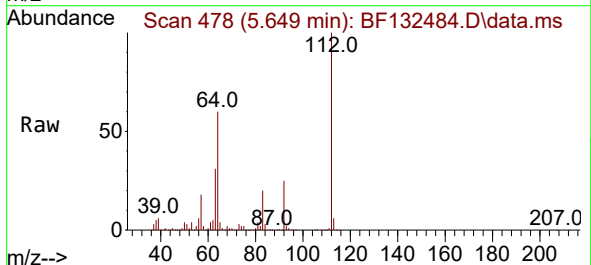
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BNA_F
ClientSampleId :
SB-05-4.0-6.0

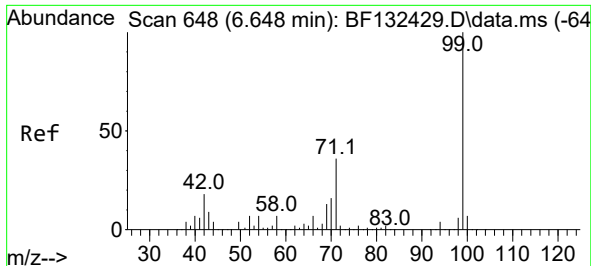
Tgt Ion:152 Resp: 227689
Ion Ratio Lower Upper
152 100
150 155.9 123.8 185.8
115 62.1 50.4 75.6



#5
2-Fluorophenol
Concen: 50.547 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

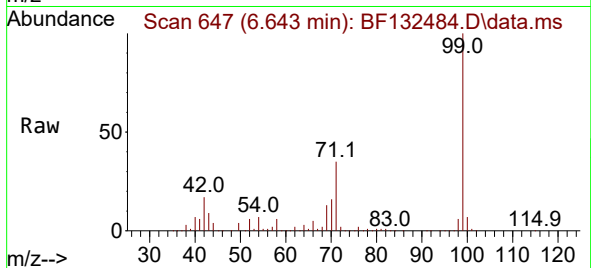
Tgt Ion:112 Resp: 718254
Ion Ratio Lower Upper
112 100
64 59.6 49.7 74.5
63 31.1 25.8 38.8



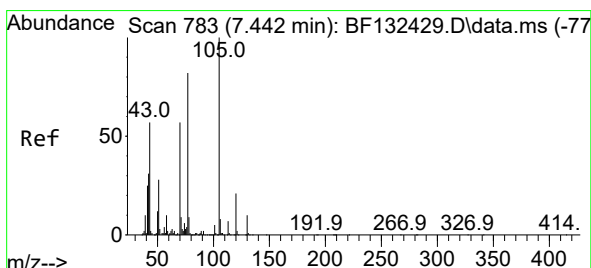
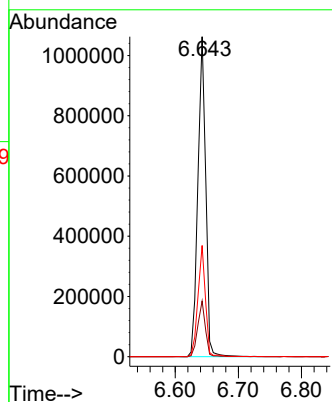
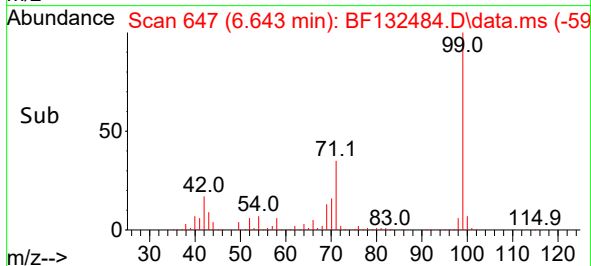


#7
Phenol-d6
Concen: 49.202 ng
RT: 6.643 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

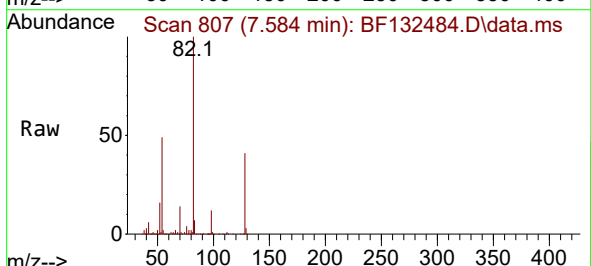
Instrument :
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ClientSampleId :
SB-05-4.0-6.0



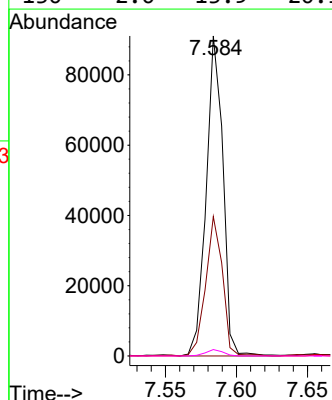
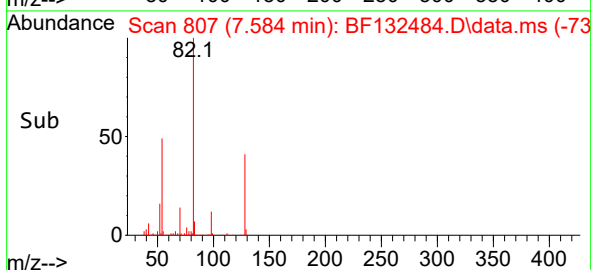
Tgt Ion: 99 Resp: 912909
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 34.7 28.7 43.1

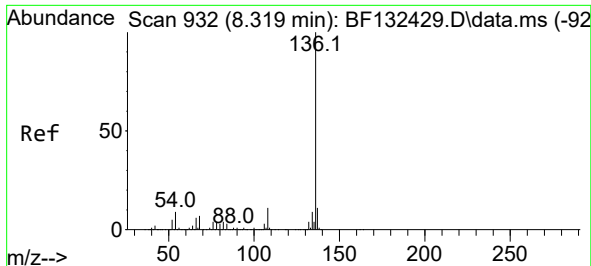


#19
n-Nitroso-di-n-propylamine
Concen: 6.588 ng
RT: 7.584 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01



Tgt Ion: 70 Resp: 74941
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#

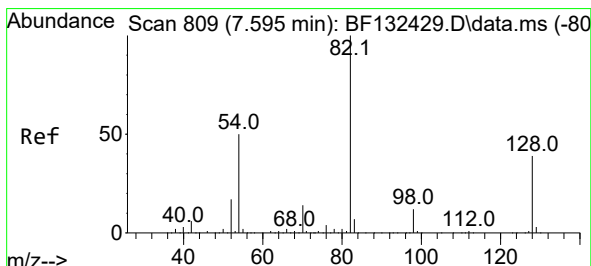
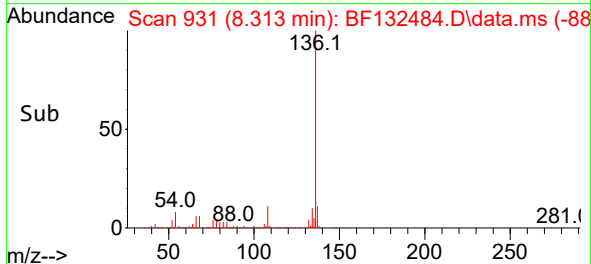
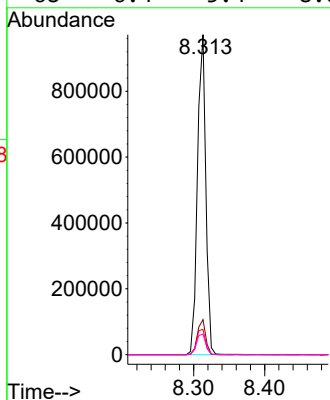
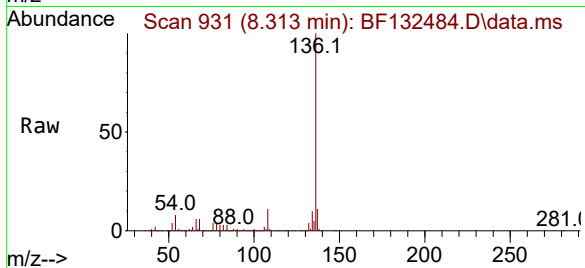




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

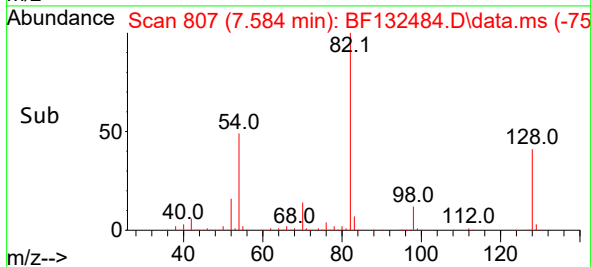
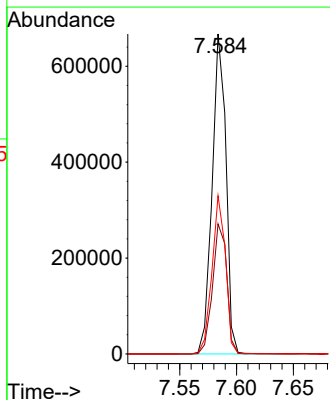
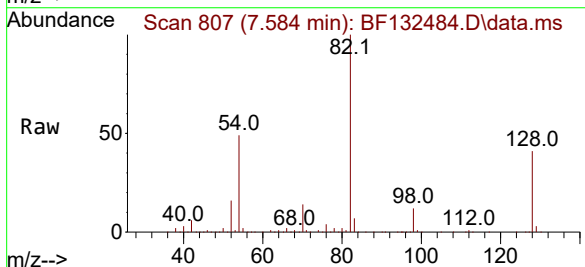
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ClientSampleId :
SB-05-4.0-6.0

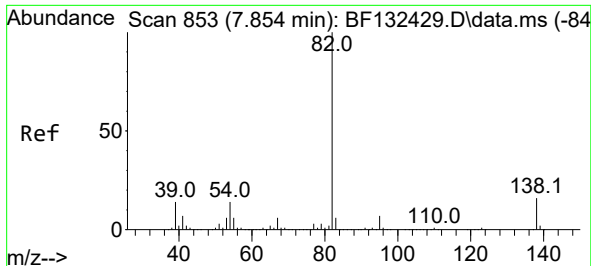
Tgt Ion:136 Resp: 796217
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.9 6.9 10.3
68 6.4 5.4 8.0



#23
Nitrobenzene-d5
Concen: 34.062 ng
RT: 7.584 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion: 82 Resp: 564430
Ion Ratio Lower Upper
82 100
128 40.7 30.8 46.2
54 49.5 40.2 60.4

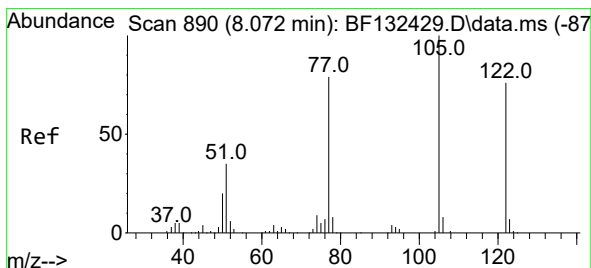
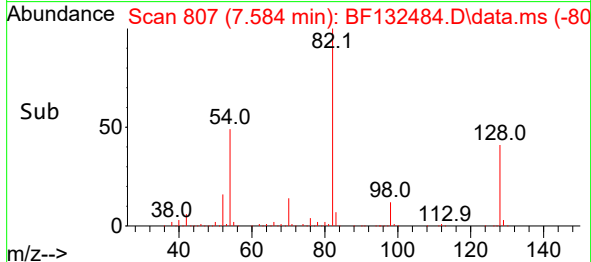
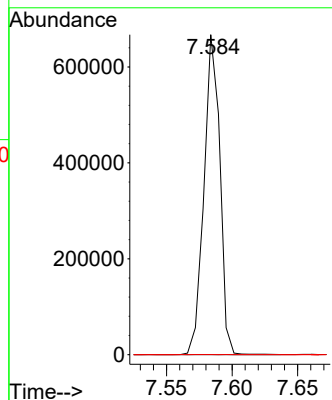
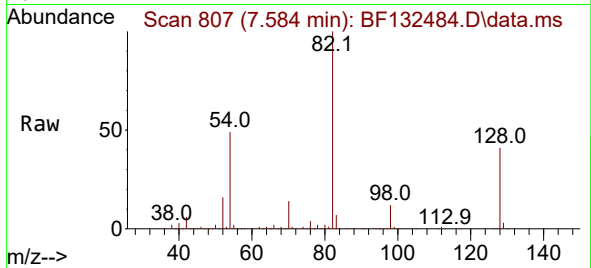




#25
Isophorone
Concen: 17.332 ng
RT: 7.584 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

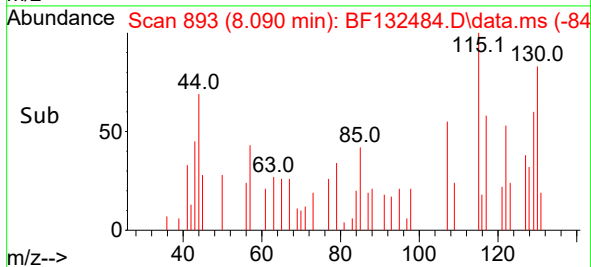
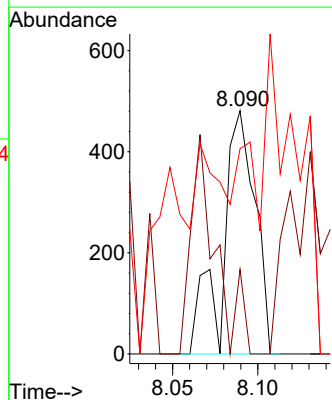
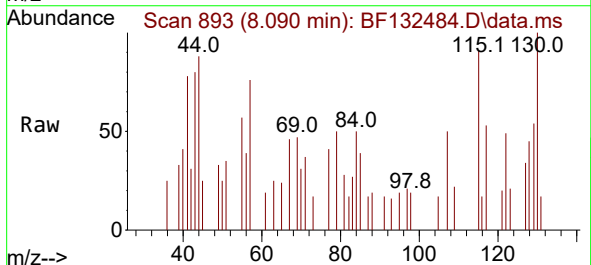
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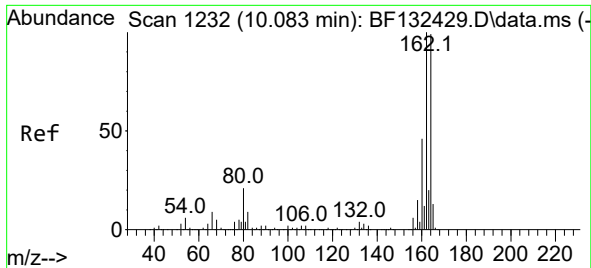
Tgt Ion: 82 Resp: 564358
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.209 ng
RT: 8.090 min Scan# 893
Delta R.T. 0.012 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion:122 Resp: 643
Ion Ratio Lower Upper
122 100
105 34.7 109.7 149.7#
77 84.4 83.8 123.8

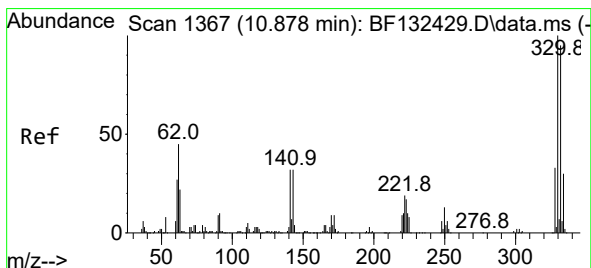
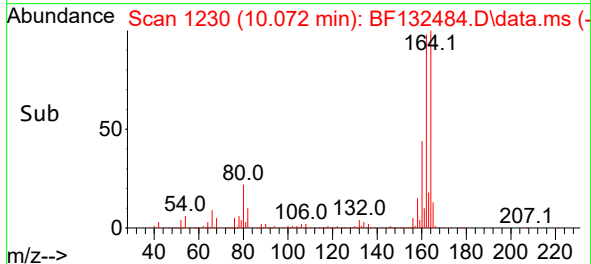
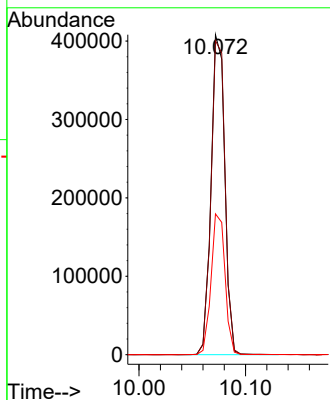
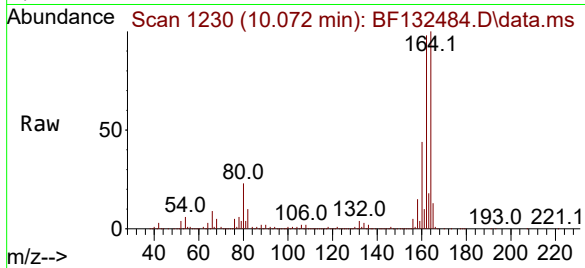




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.072 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132484.D
 Acq: 20 Feb 2023 18:01

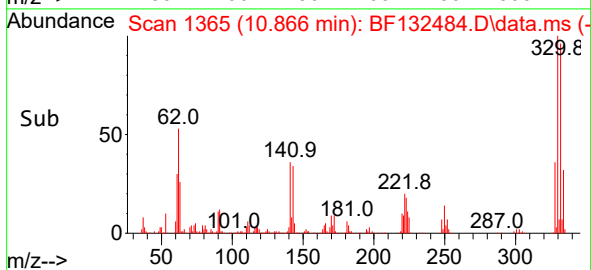
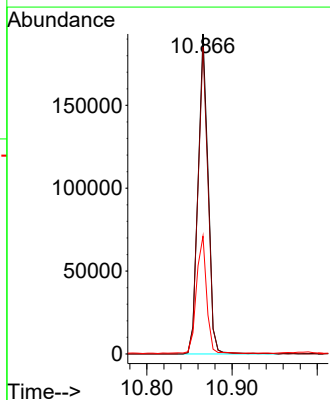
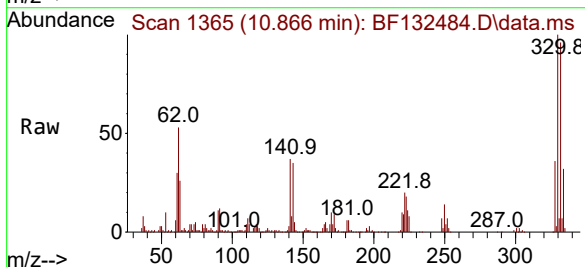
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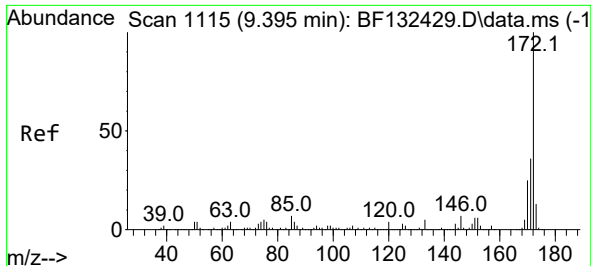
Tgt Ion:164 Resp: 364879
 Ion Ratio Lower Upper
 164 100
 162 98.1 80.8 121.2
 160 44.0 37.2 55.8



#42
 2,4,6-Tribromophenol
 Concen: 43.357 ng
 RT: 10.866 min Scan# 1365
 Delta R.T. -0.006 min
 Lab File: BF132484.D
 Acq: 20 Feb 2023 18:01

Tgt Ion:330 Resp: 157843
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.3 114.5
 141 37.2 30.3 45.5

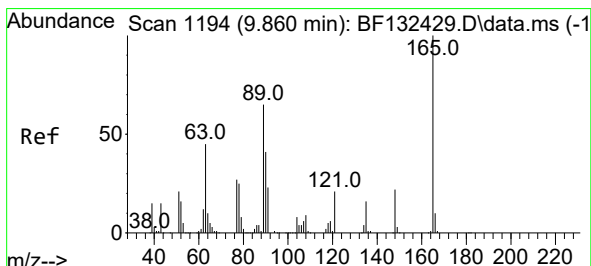
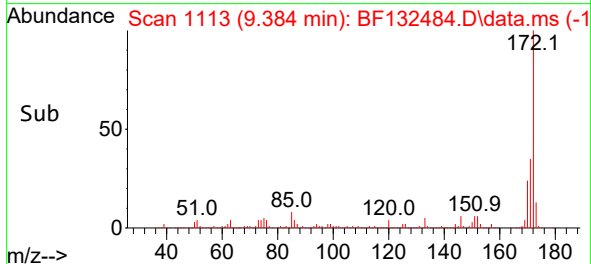
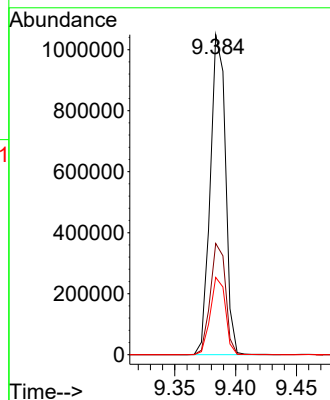
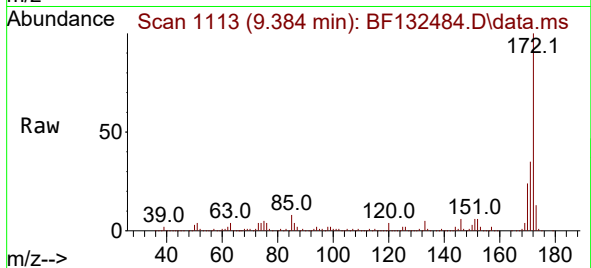




#45
2-Fluorobiphenyl
Concen: 38.729 ng
RT: 9.384 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

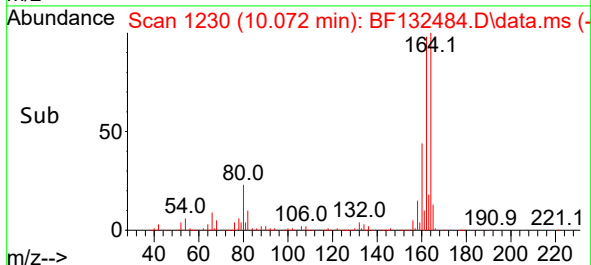
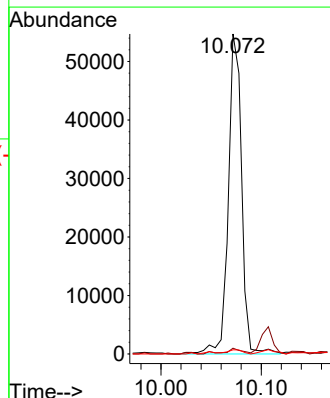
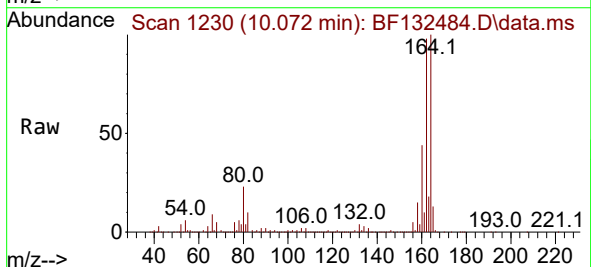
Instrument :
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ClientSampleId :
SB-05-4.0-6.0

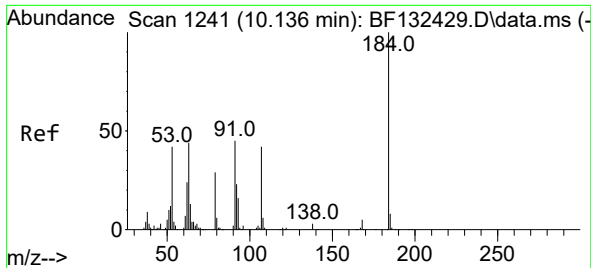
Tgt Ion:172 Resp: 915068
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 24.1 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.588 ng
RT: 10.072 min Scan# 1230
Delta R.T. 0.218 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion:165 Resp: 50182
Ion Ratio Lower Upper
165 100
63 1.8 50.4 75.6#
89 1.3 52.2 78.2#

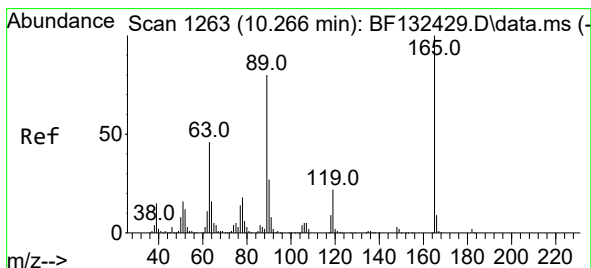
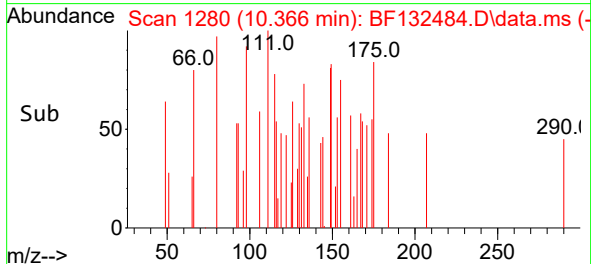
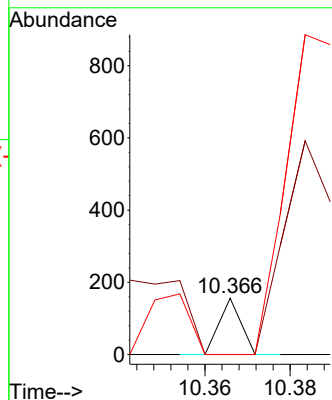
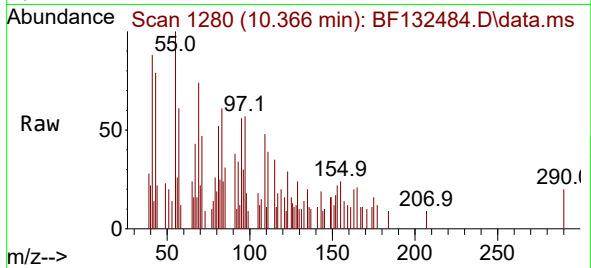




#54
2,4-Dinitrophenol
Concen: 5.142 ng
RT: 10.366 min Scan# 11
Delta R.T. 0.235 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

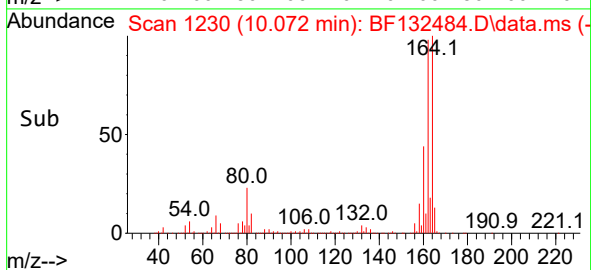
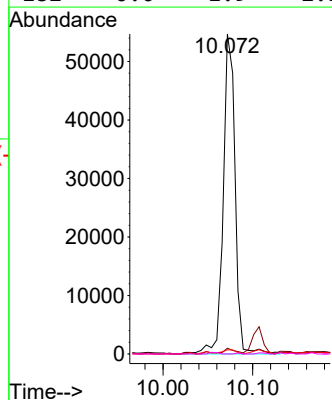
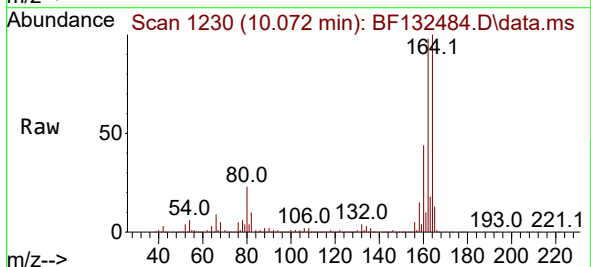
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BNA_F
ClientSampleId :
SB-05-4.0-6.0

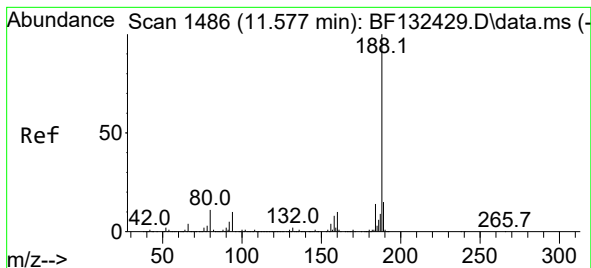
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Ion Ratio Lower Upper
184 100
63 0.0 47.0 70.6#
154 0.0 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.550 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.188 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion:165 Resp: 50382
Ion Ratio Lower Upper
165 100
63 1.8 37.1 55.7#
89 1.3 63.6 95.4#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.572 min Scan# 1485

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

Instrument :

BNA_F

ClientSampleId :

SB-05-4.0-6.0

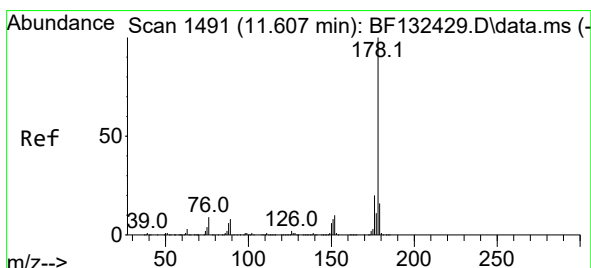
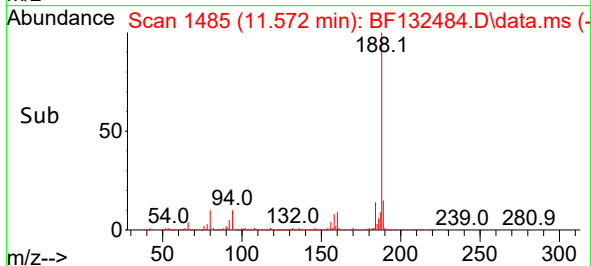
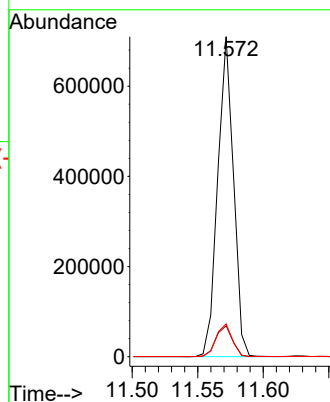
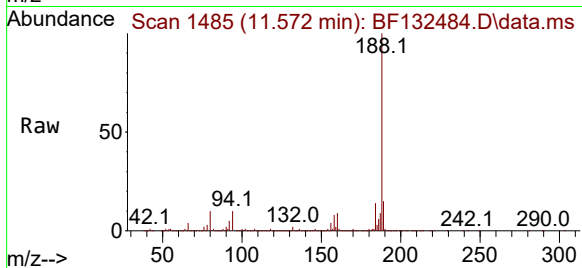
Tgt Ion:188 Resp: 592034

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

80 10.3 8.6 12.8



#71

Phenanthrene

Concen: 19.294 ng

RT: 11.595 min Scan# 1489

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

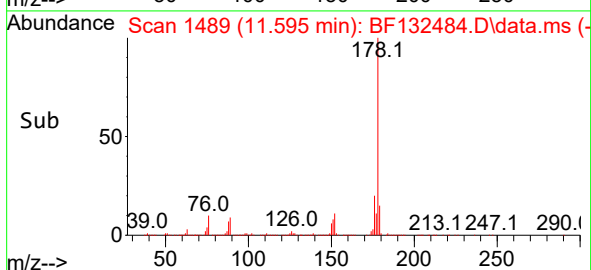
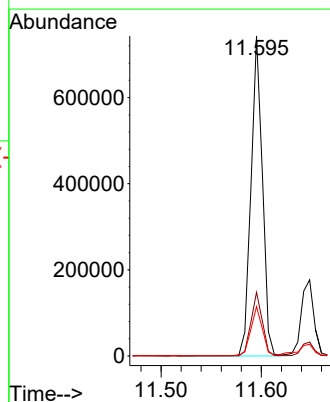
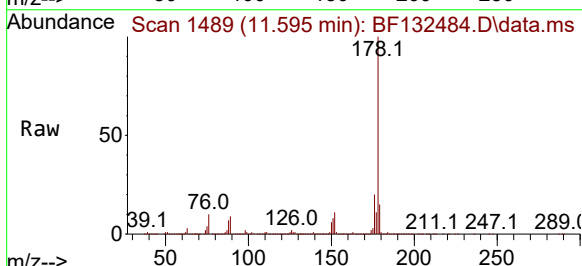
Tgt Ion:178 Resp: 588306

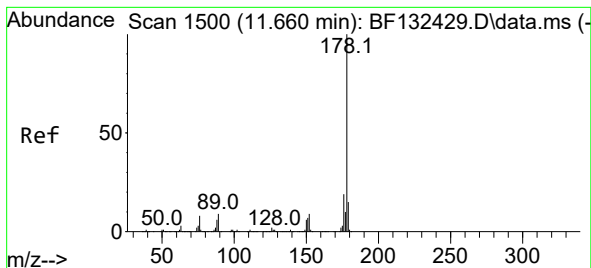
Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.2

179 15.4 12.6 18.8





#72

Anthracene

Concen: 4.761 ng

RT: 11.648 min Scan# 1498

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

Instrument :

BNA_F

ClientSampleId :

SB-05-4.0-6.0

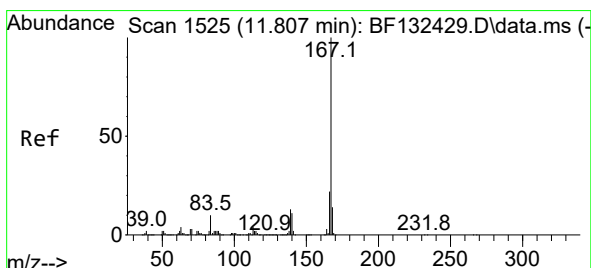
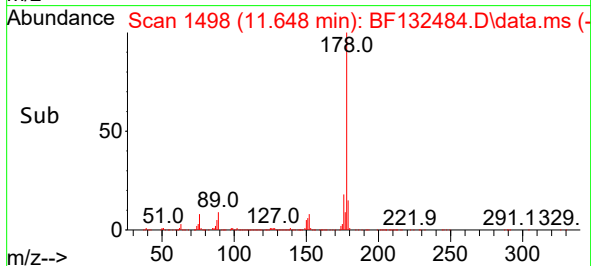
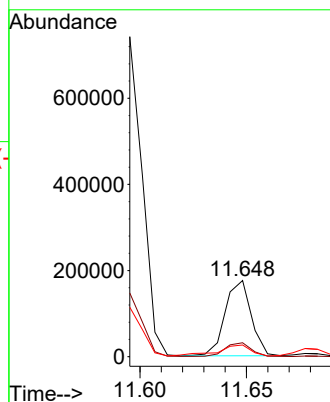
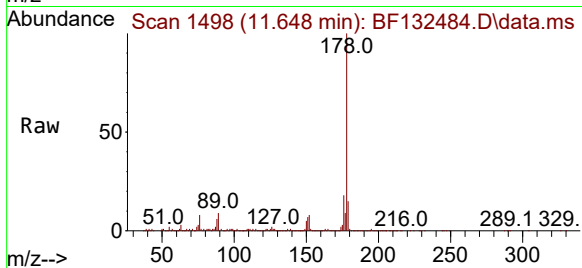
Tgt Ion:178 Resp: 149226

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 15.3 12.4 18.6



#73

Carbazole

Concen: 2.007 ng

RT: 11.801 min Scan# 1524

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

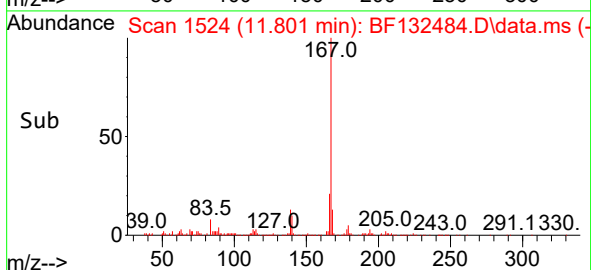
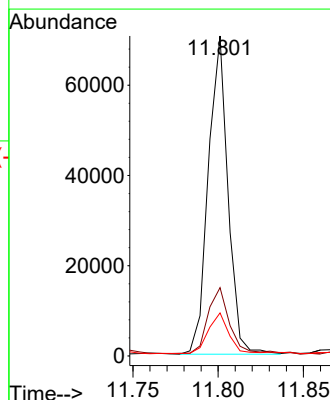
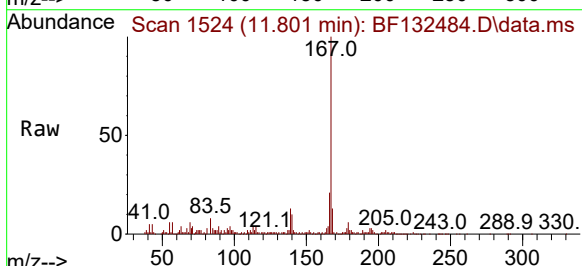
Tgt Ion:167 Resp: 56632

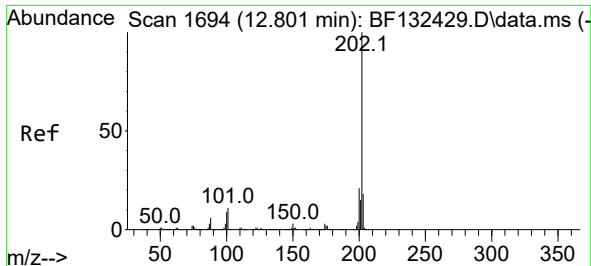
Ion Ratio Lower Upper

167 100

166 21.4 17.8 26.8

139 13.5 10.7 16.1

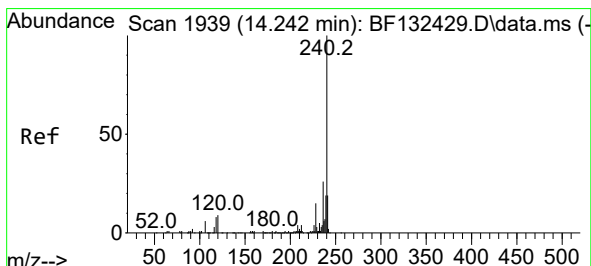
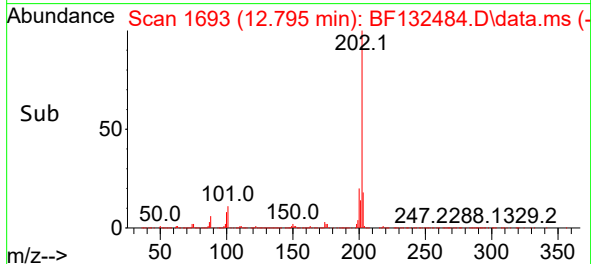
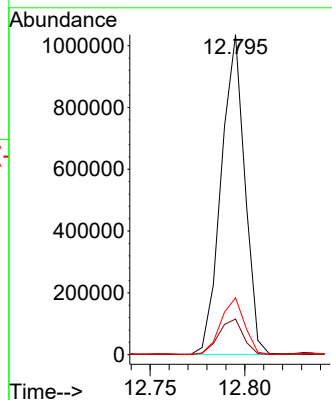
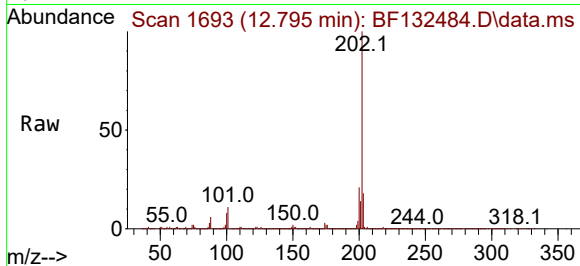




#75
Fluoranthene
Concen: 26.386 ng
RT: 12.795 min Scan# 1693
Delta R.T. 0.000 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

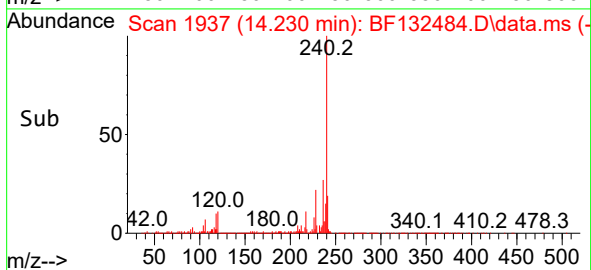
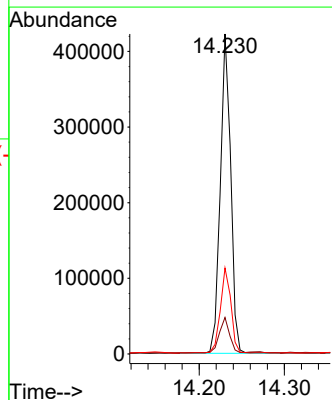
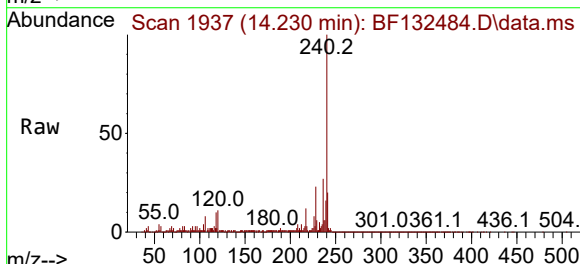
Instrument :
BNA_F
ClientSampleId :
SB-05-4.0-6.0

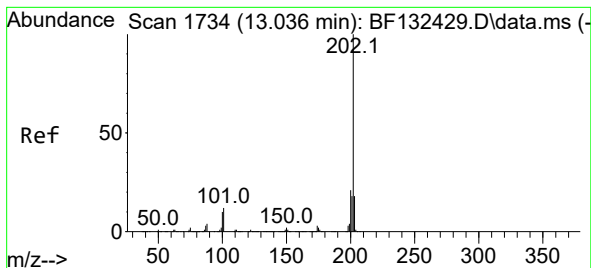
Tgt Ion:202 Resp: 897260
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion:240 Resp: 357107
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 26.9 21.0 31.6





#78

Pyrene

Concen: 28.835 ng

RT: 13.025 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

Instrument :

BNA_F

ClientSampleId :

SB-05-4.0-6.0

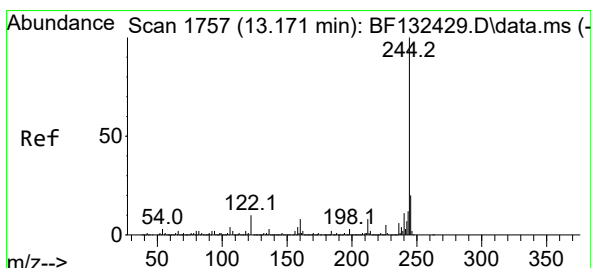
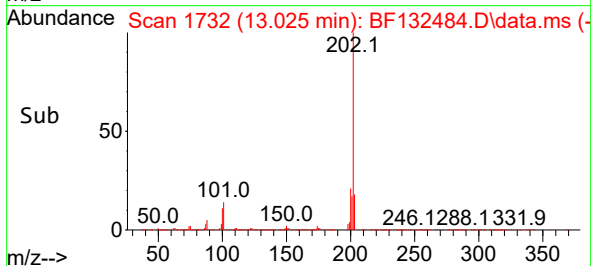
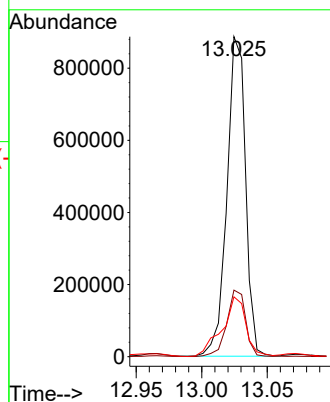
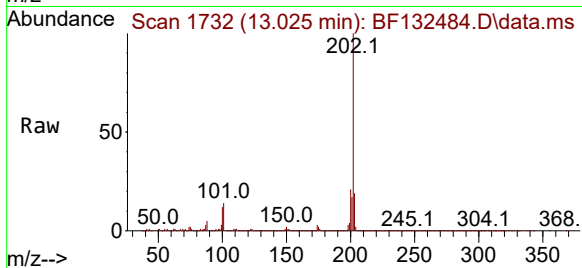
Tgt Ion:202 Resp: 874743

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 18.7 14.3 21.5



#79

Terphenyl-d14

Concen: 41.237 ng

RT: 13.160 min Scan# 1755

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

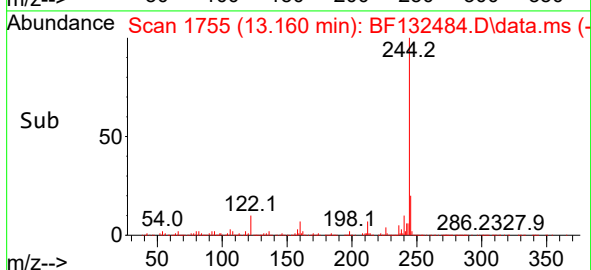
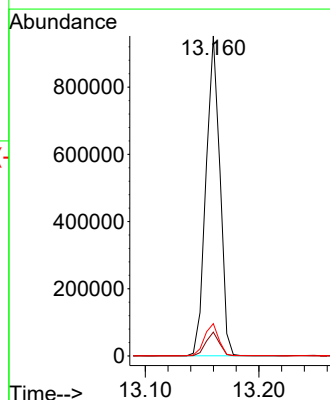
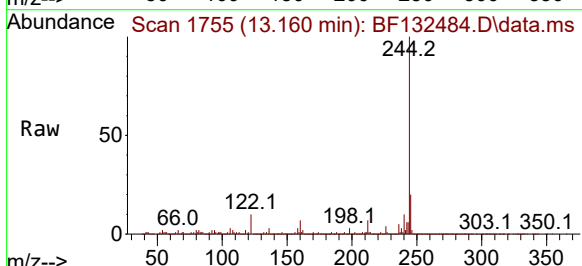
Tgt Ion:244 Resp: 808581

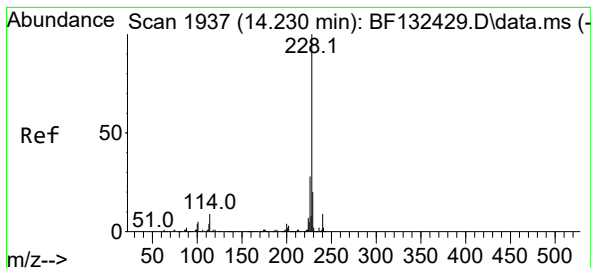
Ion Ratio Lower Upper

244 100

212 7.4 6.7 10.1

122 10.1 7.7 11.5





#81

Benzo(a)anthracene

Concen: 15.298 ng

RT: 14.219 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

Instrument :

BNA_F

ClientSampleId :

SB-05-4.0-6.0

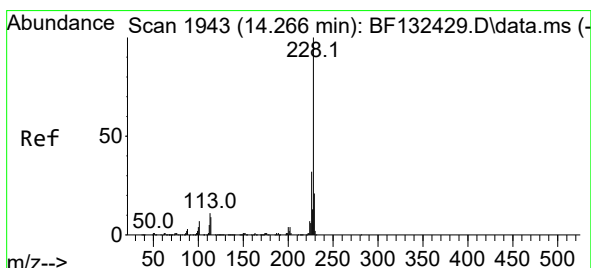
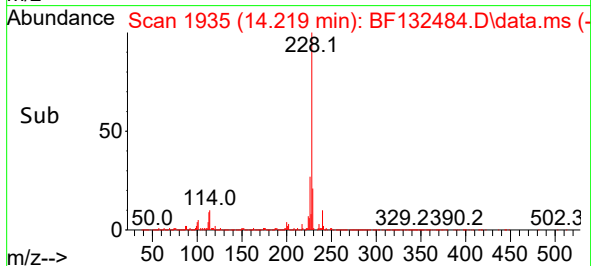
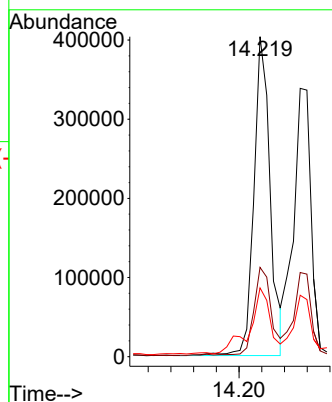
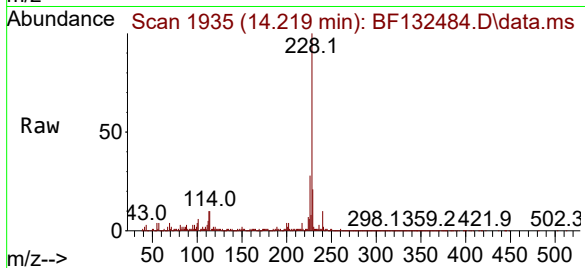
Tgt Ion:228 Resp: 400120

Ion Ratio Lower Upper

228 100

226 27.9 22.6 34.0

229 21.5 16.2 24.4



#83

Chrysene

Concen: 14.555 ng

RT: 14.254 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

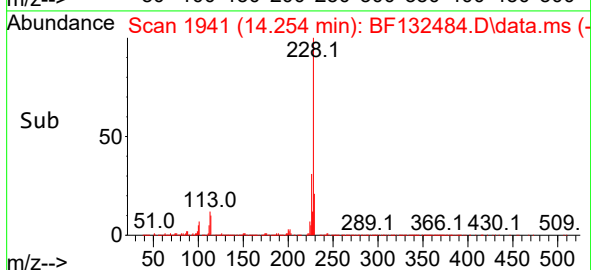
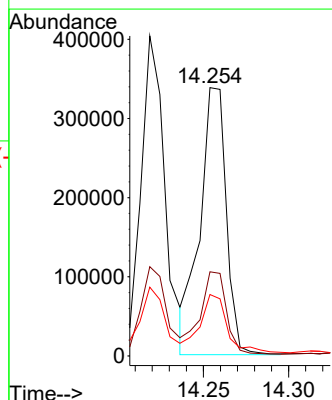
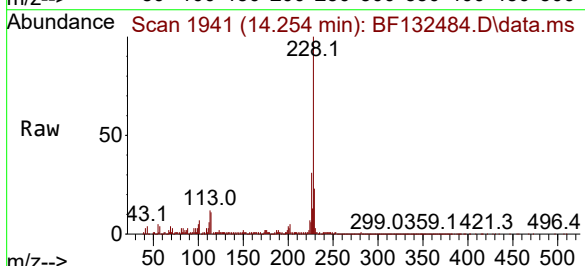
Tgt Ion:228 Resp: 363712

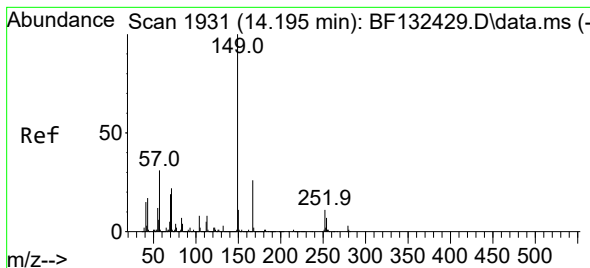
Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.2

229 22.9 16.6 25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.552 ng

RT: 14.189 min Scan# 1931

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

Instrument :

BNA_F

ClientSampleId :

SB-05-4.0-6.0

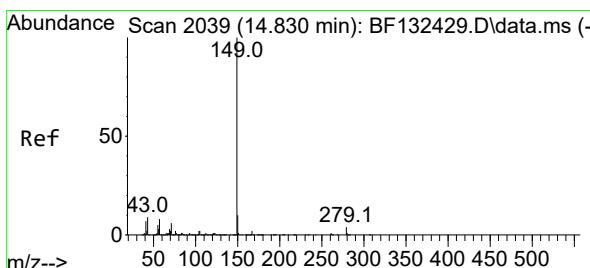
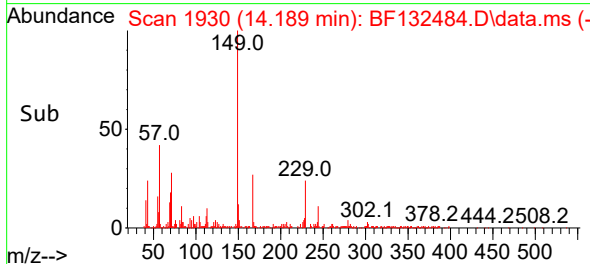
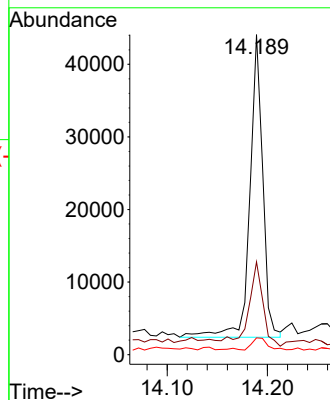
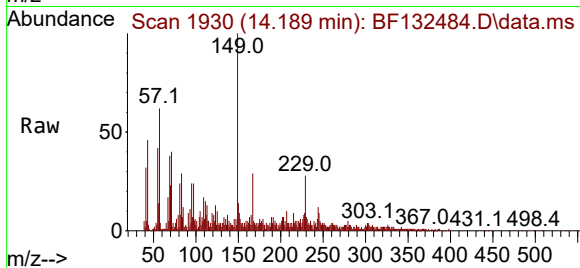
Tgt Ion:149 Resp: 37402

Ion Ratio Lower Upper

149 100

167 29.0 21.0 31.6

279 5.3 2.5 3.7#



#85

Di-n-octyl phthalate

Concen: 2.772 ng

RT: 14.854 min Scan# 2043

Delta R.T. 0.035 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

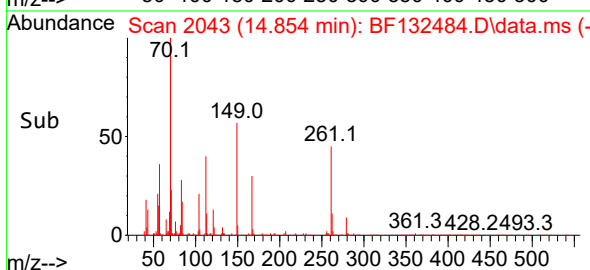
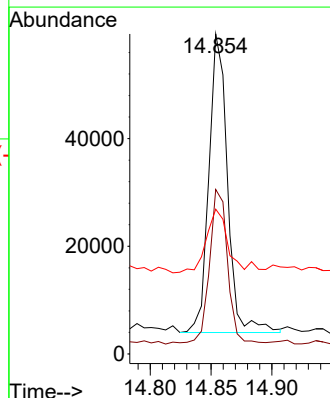
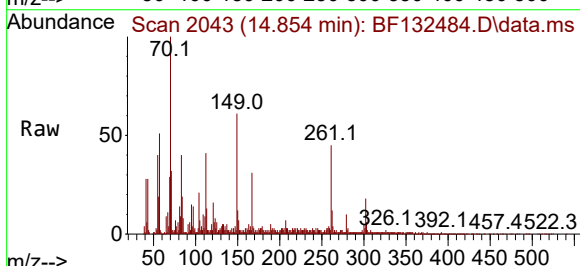
Tgt Ion:149 Resp: 58984

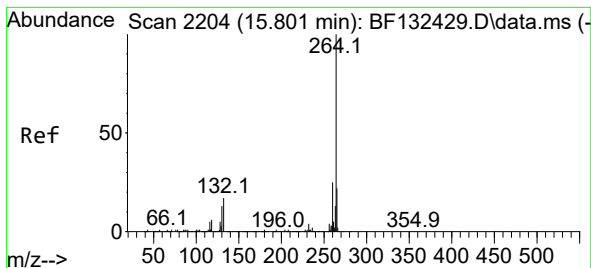
Ion Ratio Lower Upper

149 100

167 48.8 1.2 1.8#

43 25.9 8.0 12.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.801 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Instrument :

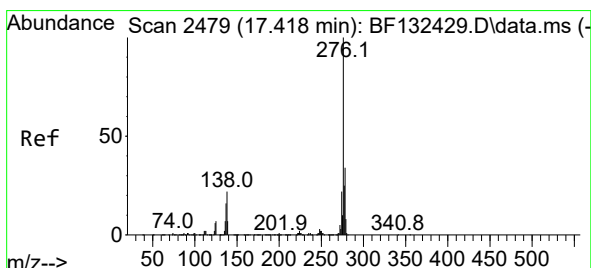
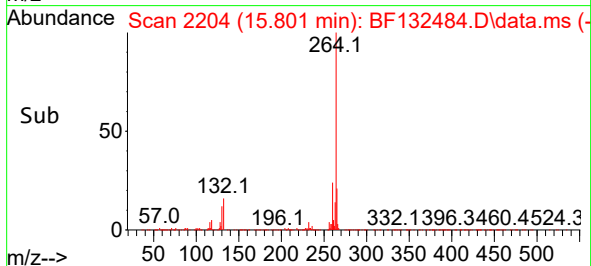
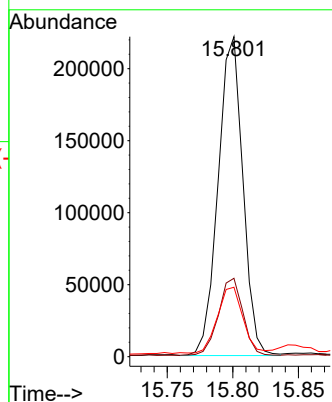
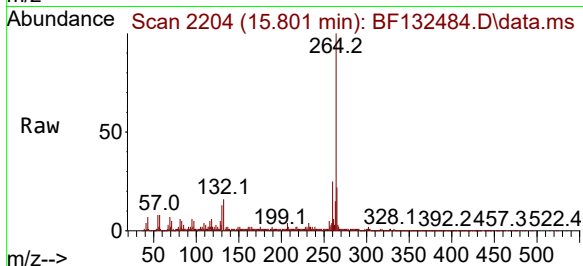
BNF

ClientSampleId :

SB-05-4.0-6.0

Tgt Ion:264 Resp: 290602

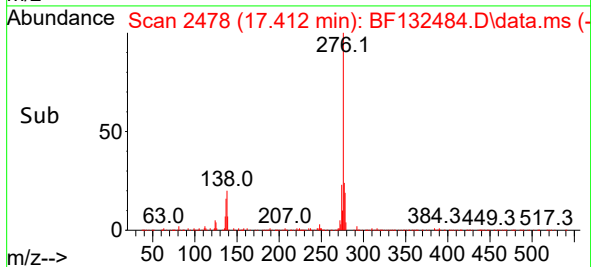
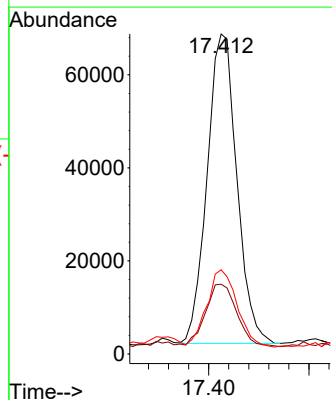
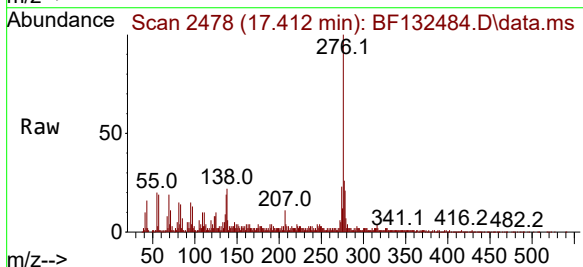
Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	21.7	17.2	25.8

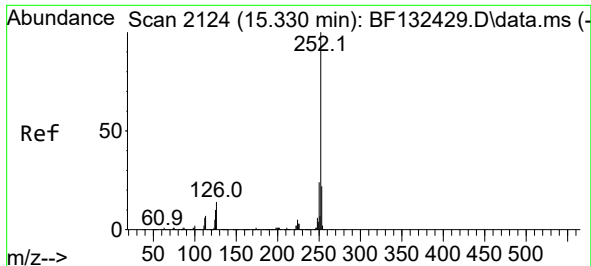


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.379 ng
RT: 17.412 min Scan# 2478
Delta R.T. 0.012 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion:276 Resp: 137083

Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.2	30.4
277	25.4	20.0	30.0

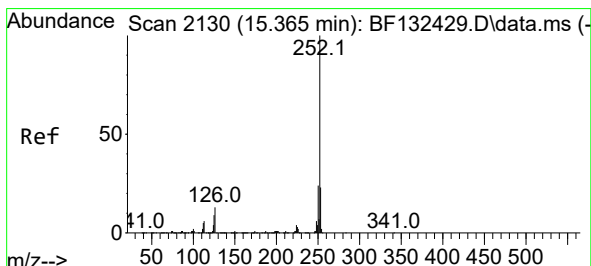
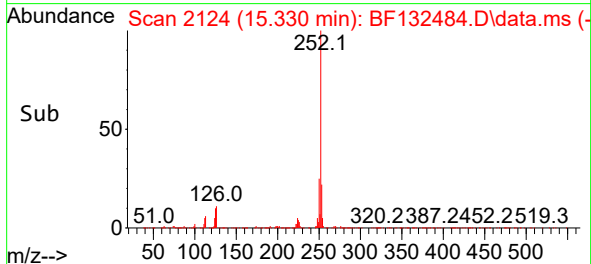
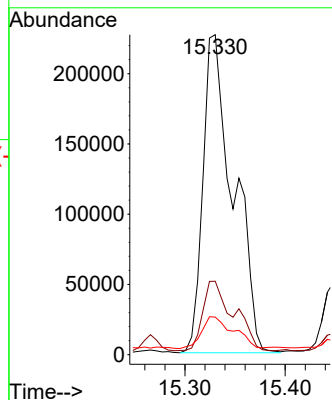
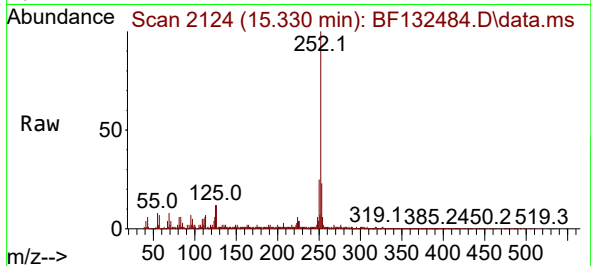




#88
Benzo(b)fluoranthene
Concen: 25.055 ng
RT: 15.330 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

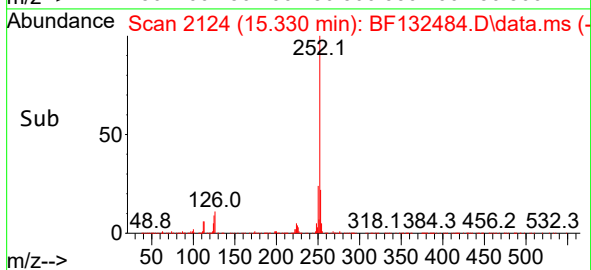
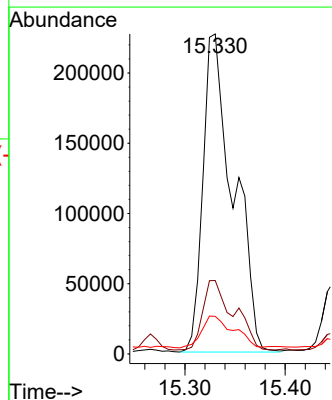
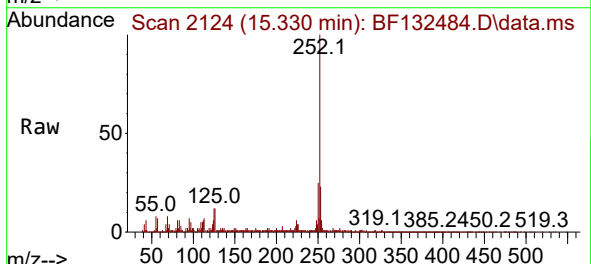
Instrument :
BNA_F
ClientSampleId :
SB-05-4.0-6.0

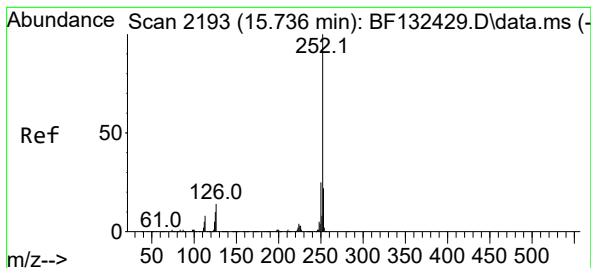
Tgt Ion:252 Resp: 478812
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 11.8 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 25.037 ng
RT: 15.330 min Scan# 2124
Delta R.T. -0.023 min
Lab File: BF132484.D
Acq: 20 Feb 2023 18:01

Tgt Ion:252 Resp: 478812
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 11.8 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 14.612 ng

RT: 15.730 min Scan# 2193

Delta R.T. 0.012 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

Instrument :

BNA_F

ClientSampleId :

SB-05-4.0-6.0

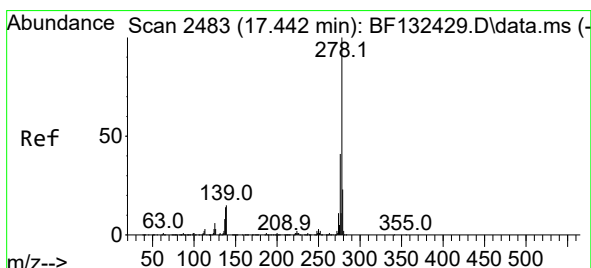
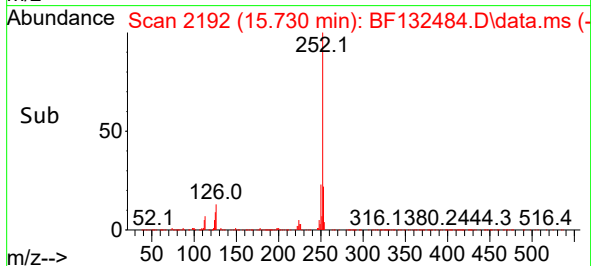
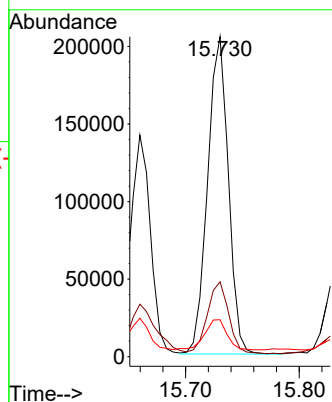
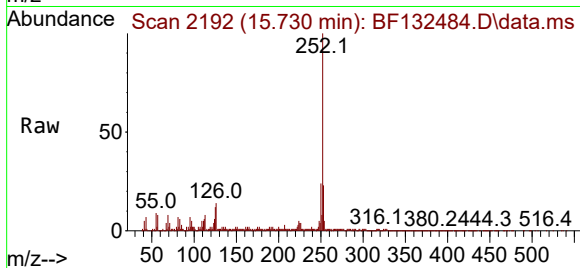
Tgt Ion:252 Resp: 259503

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 11.5 8.2 12.4



#91

Dibenzo(a,h)anthracene

Concen: 2.584 ng

RT: 17.418 min Scan# 2479

Delta R.T. 0.000 min

Lab File: BF132484.D

Acq: 20 Feb 2023 18:01

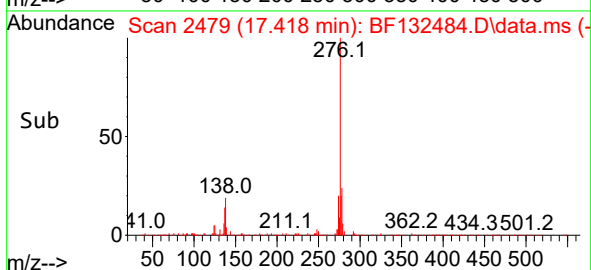
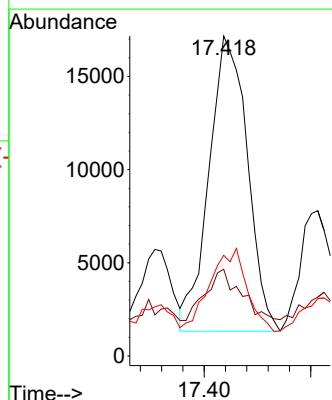
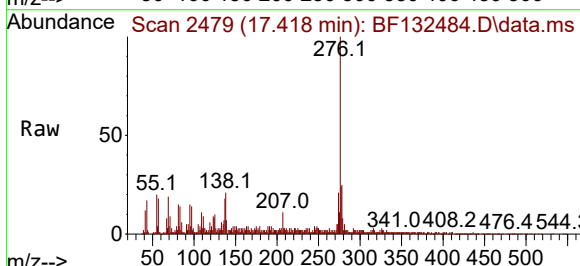
Tgt Ion:278 Resp: 39543

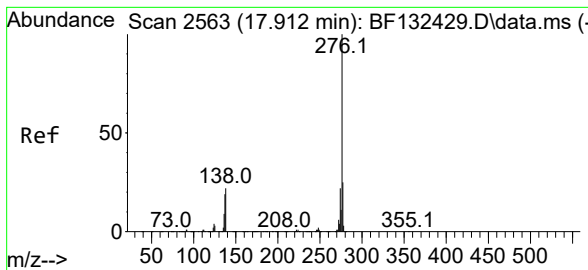
Ion Ratio Lower Upper

278 100

139 27.1 12.2 18.2#

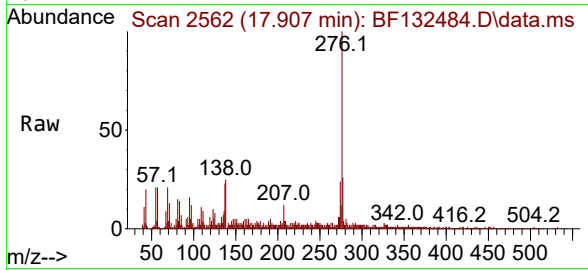
279 31.4 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 8.806 ng
 RT: 17.907 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF132484.D
 Acq: 20 Feb 2023 18:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-4.0-6.0



Tgt Ion:	276	Resp:	138370
Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.6	29.4
138	24.8	17.7	26.5

