

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132478.D
 Acq On : 20 Feb 2023 14:12
 Operator : CG\JU
 Sample : 01586-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4RE

Quant Time: Feb 21 01:02:18 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)

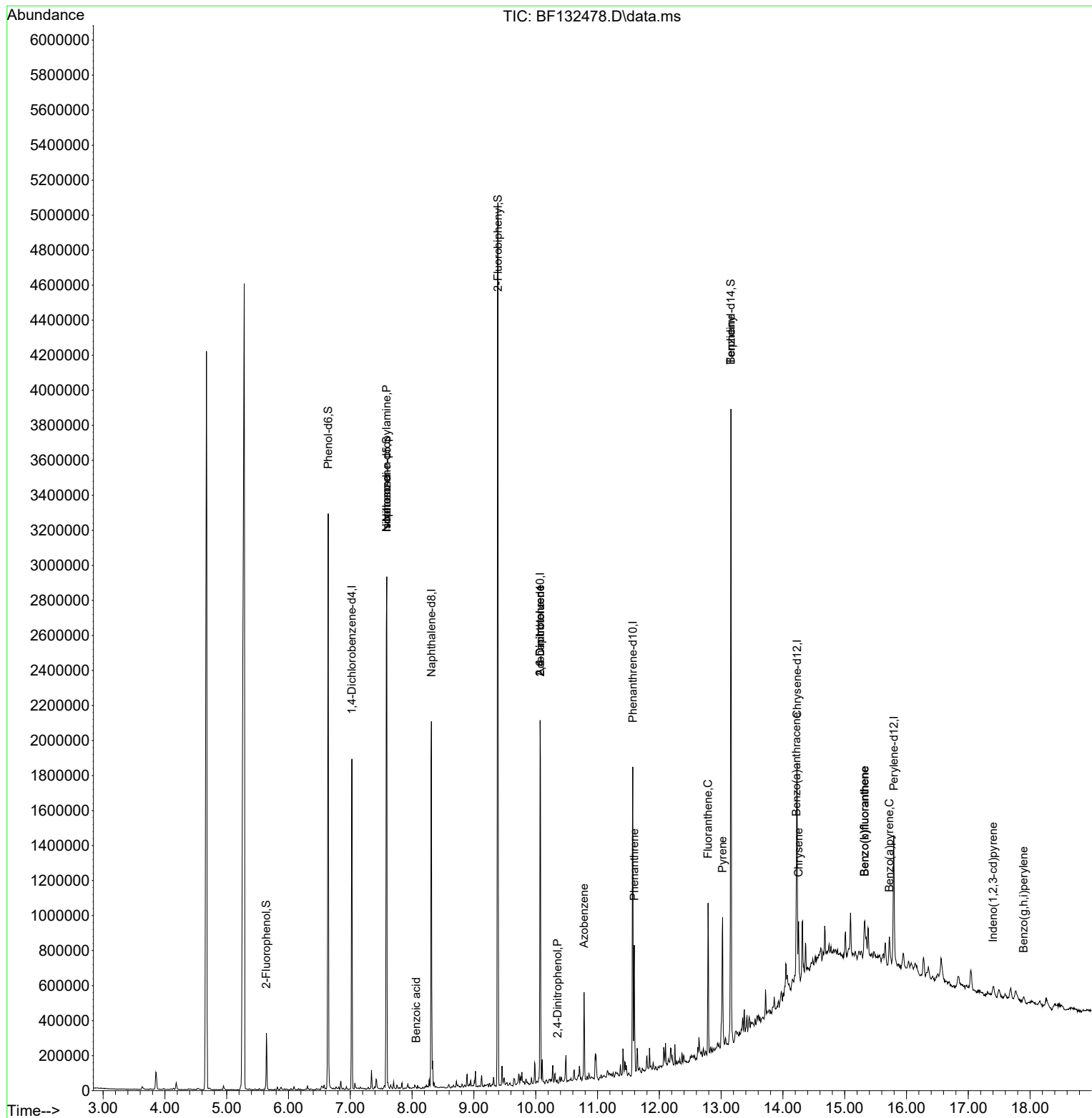
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	244953	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	876614	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	419964	20.000	ng	0.00
64) Phenanthrene-d10	11.571	188	639217	20.000	ng	0.00
76) Chrysene-d12	14.230	240	399723	20.000	ng	0.00
86) Perylene-d12	15.795	264	311052	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.642	112	80479	5.265	ng	0.00
7) Phenol-d6	6.642	99	1054171	52.811	ng	0.00
23) Nitrobenzene-d5	7.589	82	961969	52.728	ng	0.00
42) 2,4,6-Tribromophenol	10.866	330	910	0.217	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1498907	55.118	ng	0.00
79) Terphenyl-d14	13.160	244	1210585	55.156	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.589	70	127296	10.402	ng	# 78
25) Isophorone	7.589	82	959212	26.757	ng	# 68
32) Benzoic acid	8.066	122	493	7.191	ng	# 17
51) 2,6-Dinitrotoluene	10.072	165	55350	8.230	ng	# 20
54) 2,4-Dinitrophenol	10.354	184	74	5.145	ng	# 21
57) 2,4-Dinitrotoluene	10.072	165	55350	6.252	ng	# 20
63) Azobenzene	10.783	77	77398	2.301	ng	# 1
71) Phenanthrene	11.595	178	246278	7.481	ng	98
75) Fluoranthene	12.789	202	323739	8.818	ng	98
77) Benzidine	13.160	184	17049	2.003	ng	# 92
78) Pyrene	13.024	202	279100	8.219	ng	99
81) Benzo(a)anthracene	14.218	228	140513	4.800	ng	98
83) Chrysene	14.254	228	121382	4.339	ng	98
87) Indeno(1,2,3-cd)pyrene	17.401	276	42450	2.135	ng	94
88) Benzo(b)fluoranthene	15.324	252	168784	8.251	ng	# 91
89) Benzo(k)fluoranthene	15.324	252	168784	8.246	ng	# 91
90) Benzo(a)pyrene	15.724	252	81241	4.274	ng	# 90
92) Benzo(g,h,i)perylene	17.895	276	39377	2.341	ng	# 91

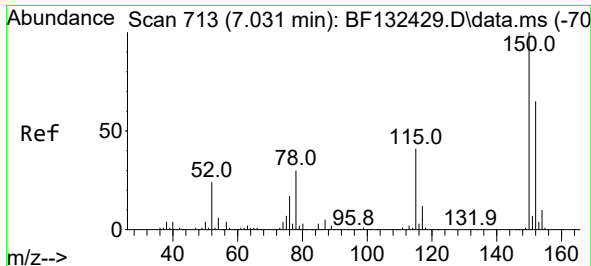
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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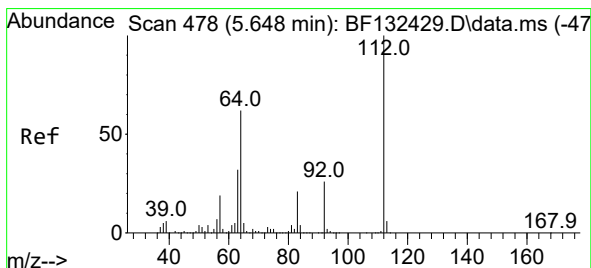
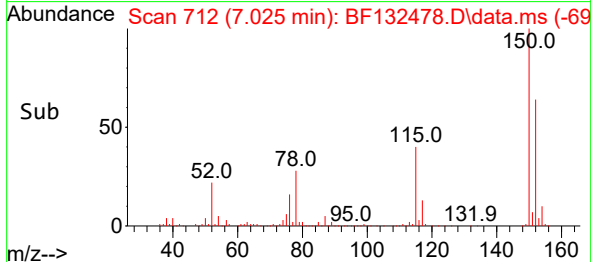
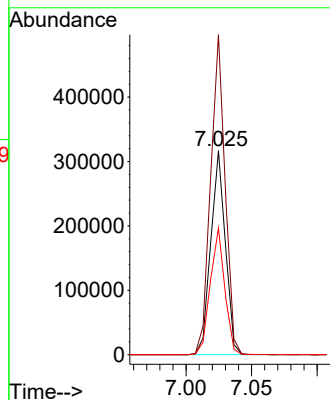
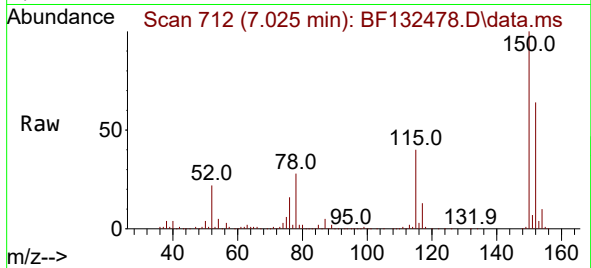




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

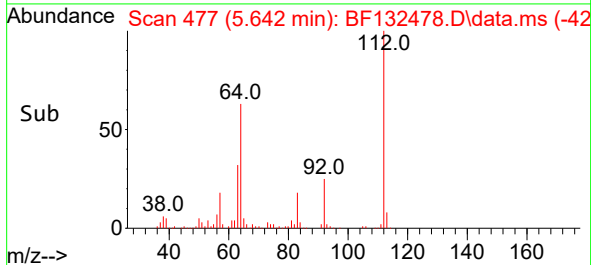
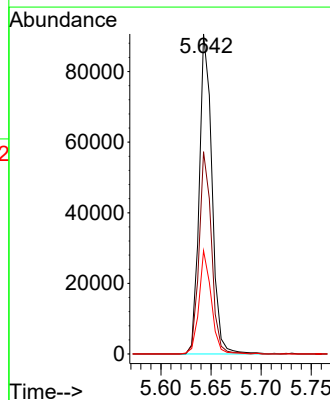
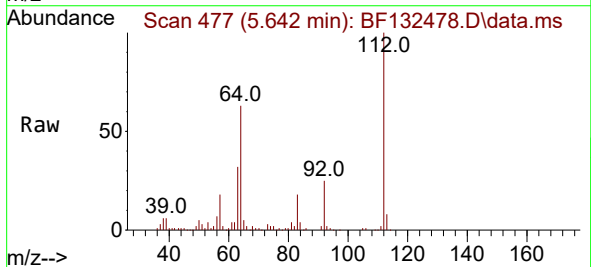
Instrument :
BNA_F
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COMP-4RE

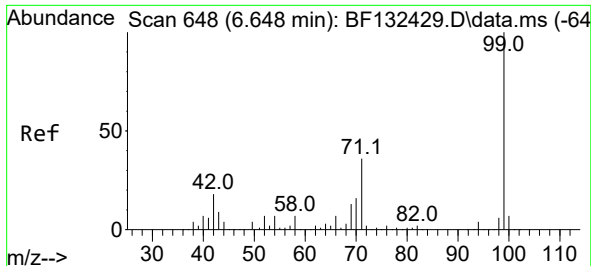
Tgt Ion:152 Resp: 244953
Ion Ratio Lower Upper
152 100
150 156.8 123.8 185.8
115 62.0 50.4 75.6



#5
2-Fluorophenol
Concen: 5.265 ng
RT: 5.642 min Scan# 477
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:112 Resp: 80479
Ion Ratio Lower Upper
112 100
64 63.2 49.7 74.5
63 32.2 25.8 38.8

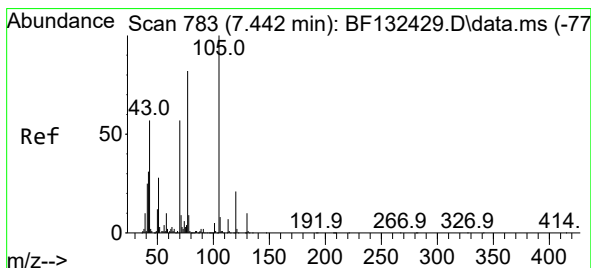
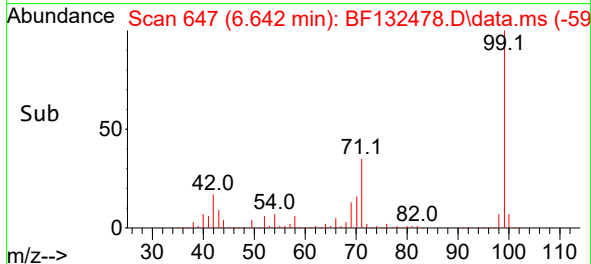
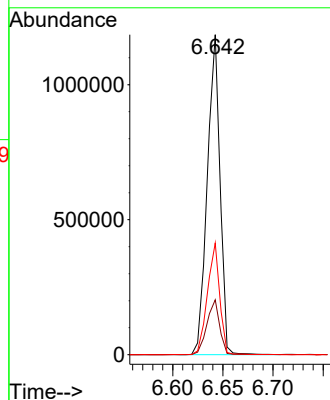
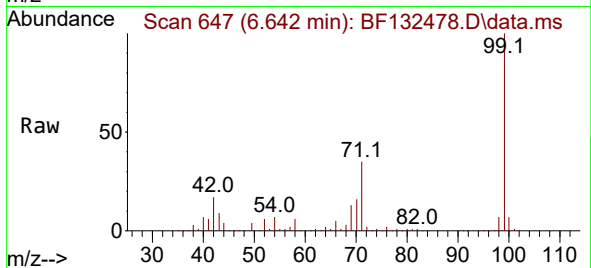




#7
Phenol-d6
Concen: 52.811 ng
RT: 6.642 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

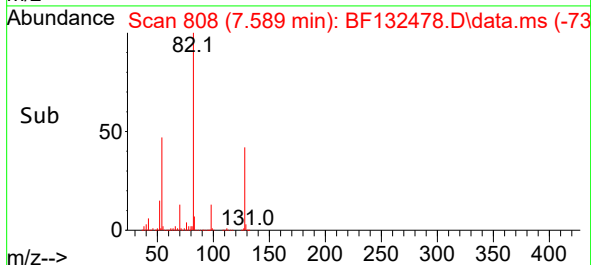
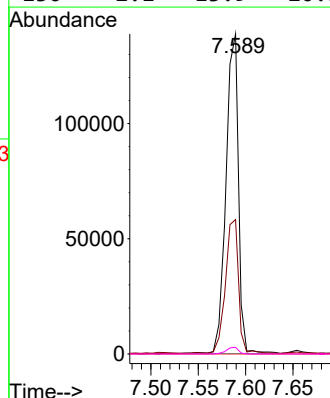
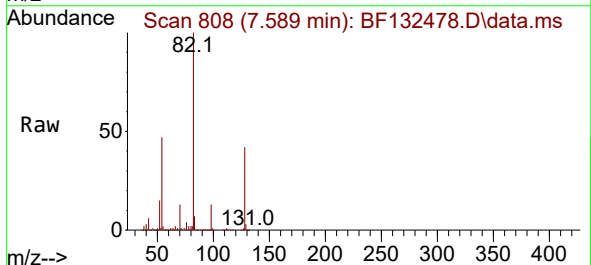
Instrument :
BNA_F
ClientSampleId :
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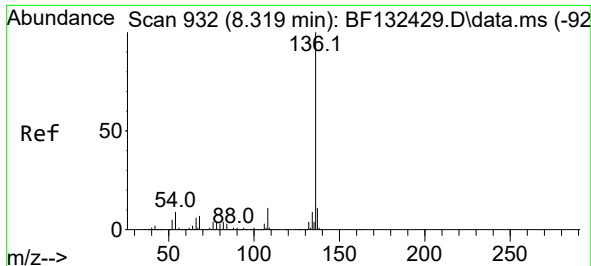
Tgt Ion: 99 Resp: 1054171
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 34.9 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 10.402 ng
RT: 7.589 min Scan# 808
Delta R.T. 0.153 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion: 70 Resp: 127296
Ion Ratio Lower Upper
70 100
42 42.0 43.5 65.3#
101 0.0 7.3 10.9#
130 2.1 13.9 20.9#

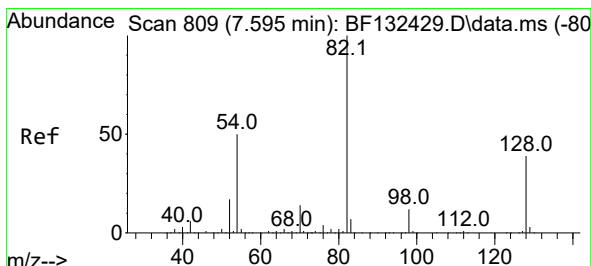
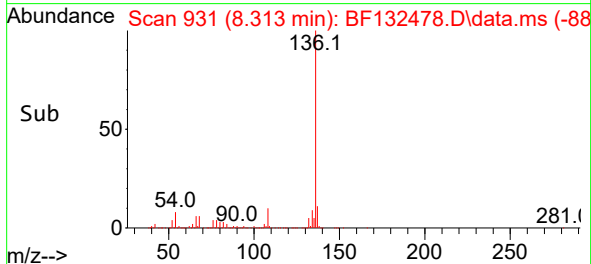
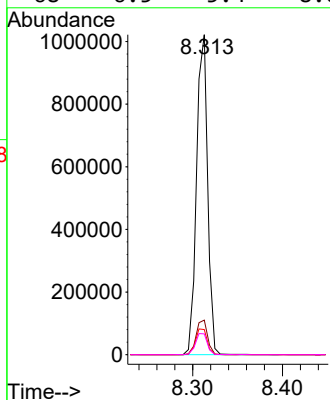
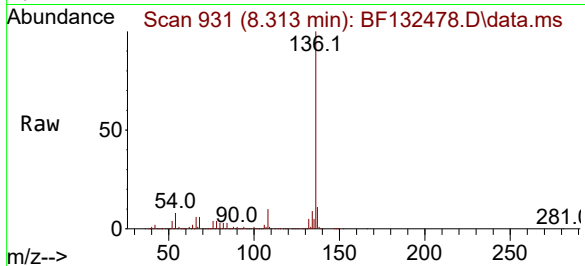




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

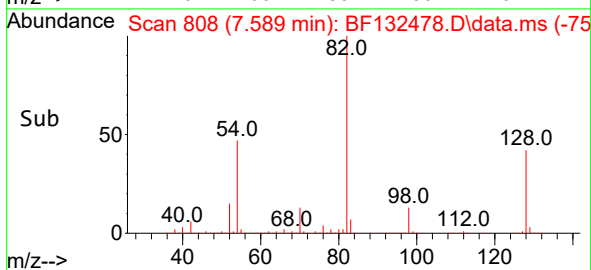
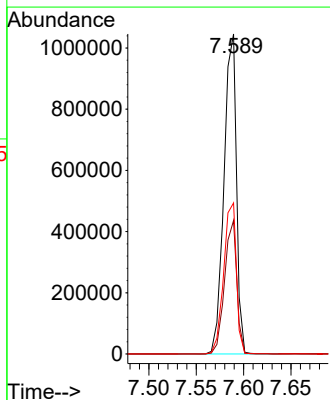
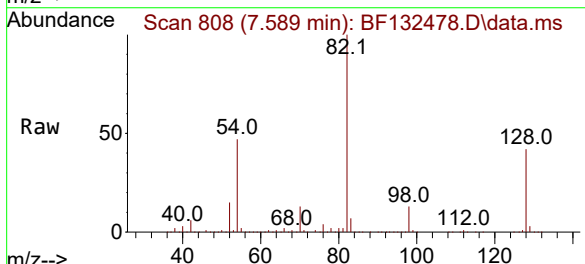
Instrument :
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ClientSampleId :
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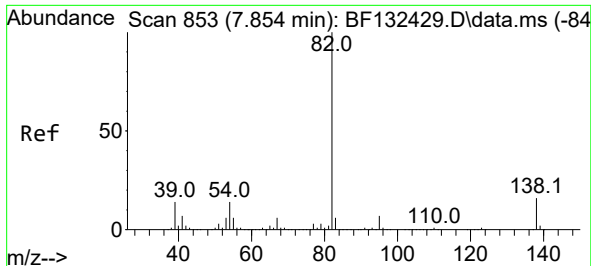
Tgt Ion:136 Resp: 876614
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.9 6.9 10.3
68 6.5 5.4 8.0



#23
Nitrobenzene-d5
Concen: 52.728 ng
RT: 7.589 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion: 82 Resp: 961969
Ion Ratio Lower Upper
82 100
128 41.7 30.8 46.2
54 47.2 40.2 60.4

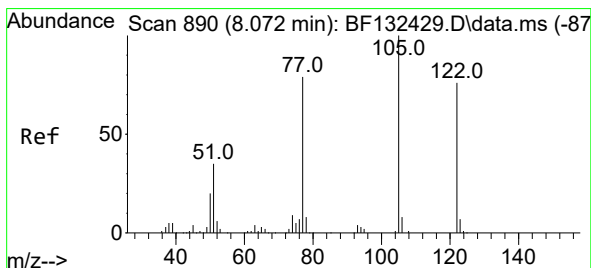
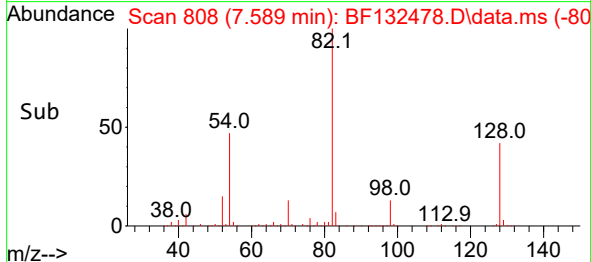
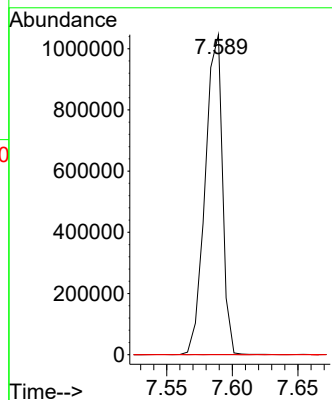
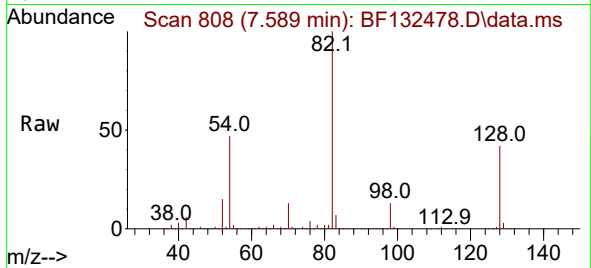




#25
Isophorone
Concen: 26.757 ng
RT: 7.589 min Scan# 808
Delta R.T. -0.259 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

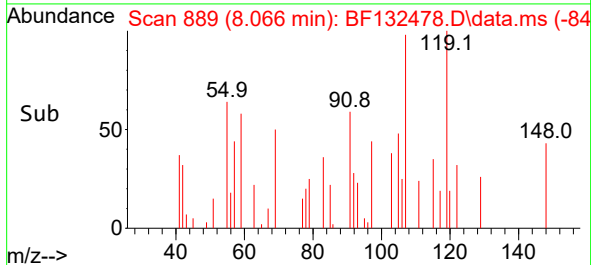
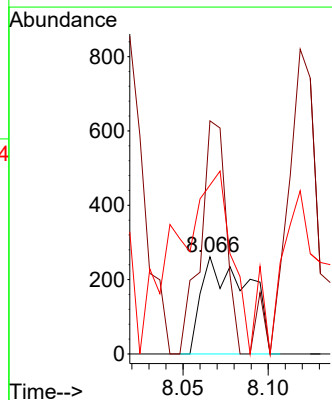
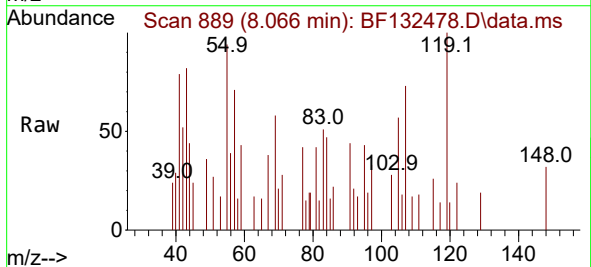
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ClientSampleId :
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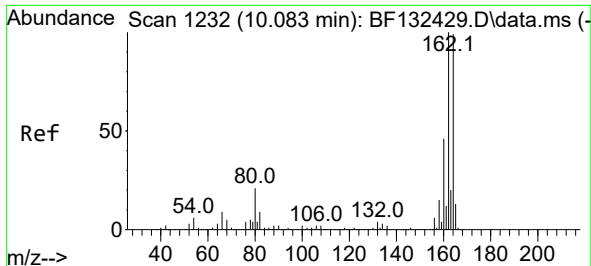
Tgt Ion: 82 Resp: 959212
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.191 ng
RT: 8.066 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:122 Resp: 493
Ion Ratio Lower Upper
122 100
105 240.2 109.7 149.7#
77 173.9 83.8 123.8#

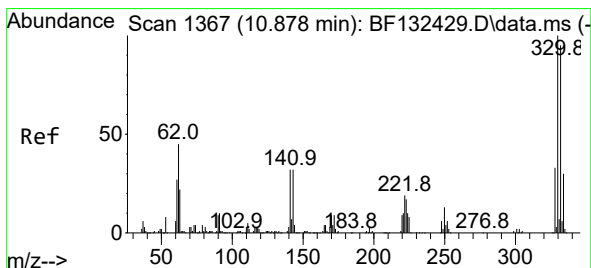
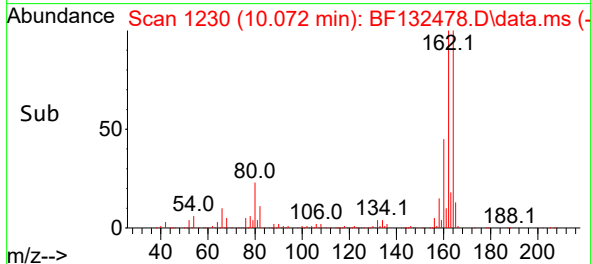
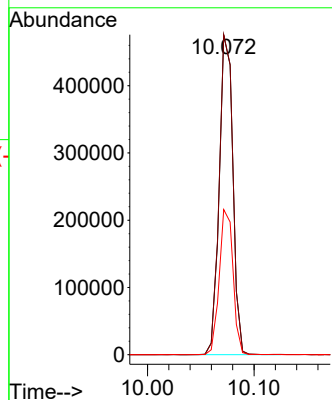
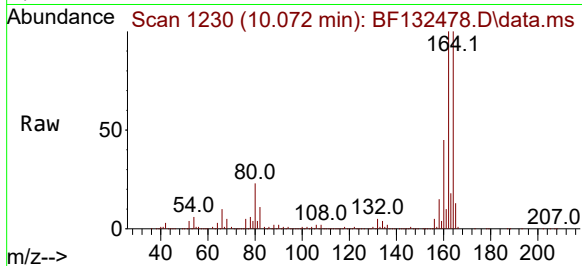




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

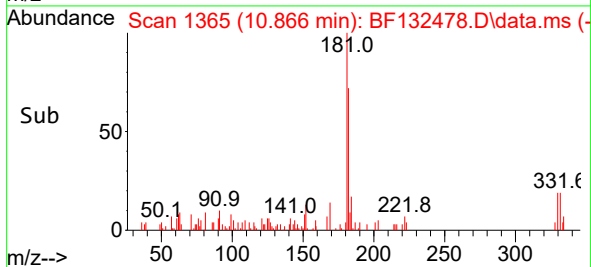
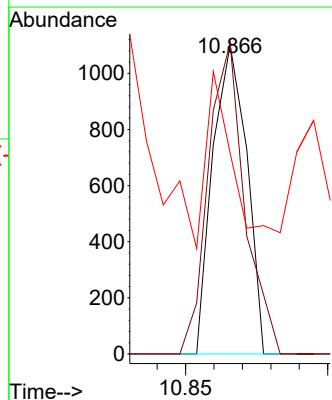
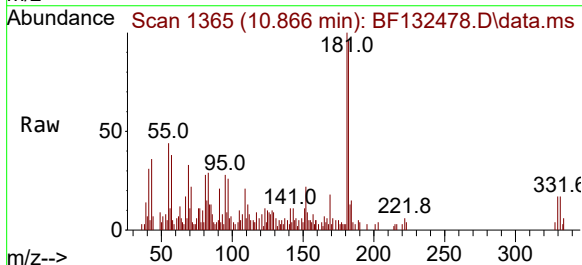
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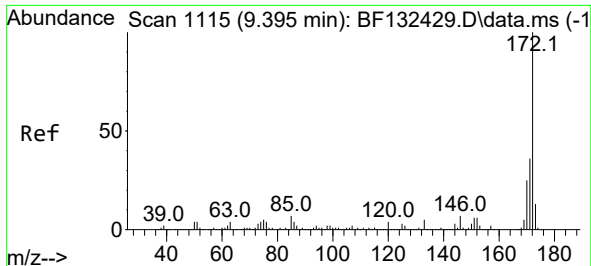
Tgt Ion:164 Resp: 419964
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 45.5 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:330 Resp: 910
Ion Ratio Lower Upper
330 100
332 108.2 76.3 114.5
141 48.7 30.3 45.5#

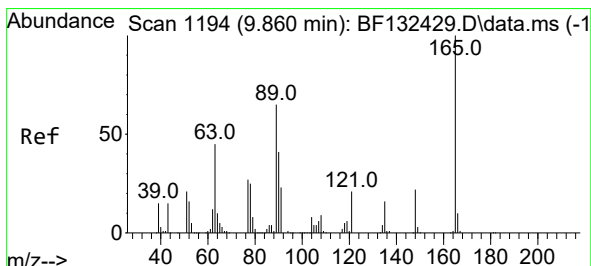
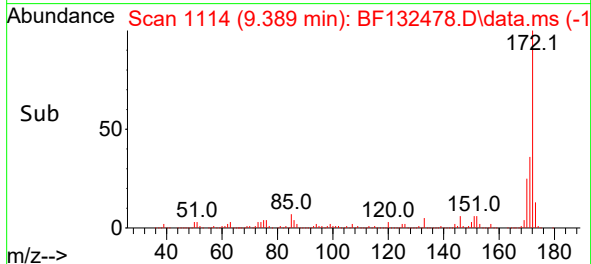
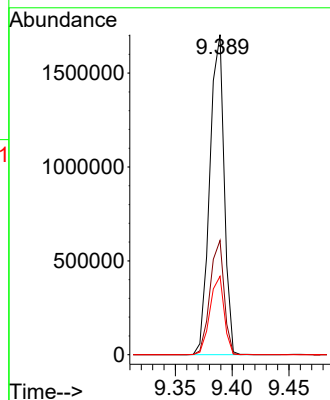
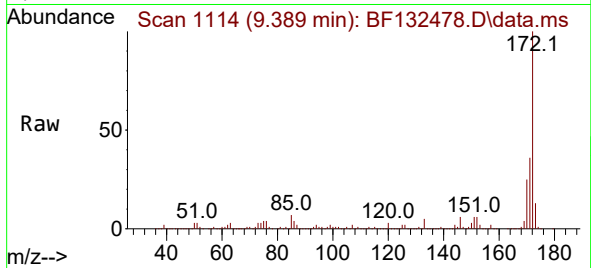




#45
2-Fluorobiphenyl
Concen: 55.118 ng
RT: 9.389 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

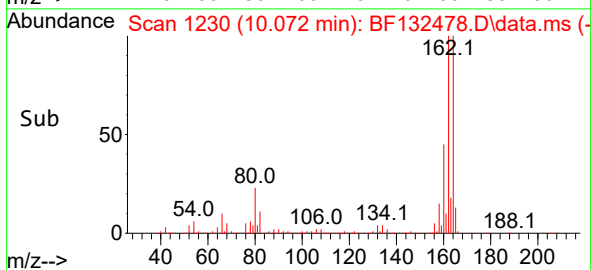
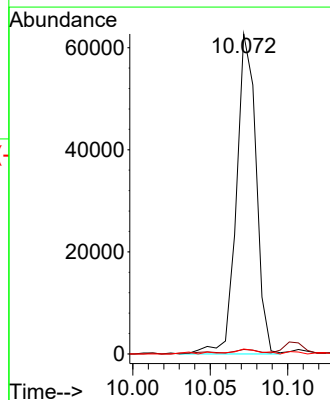
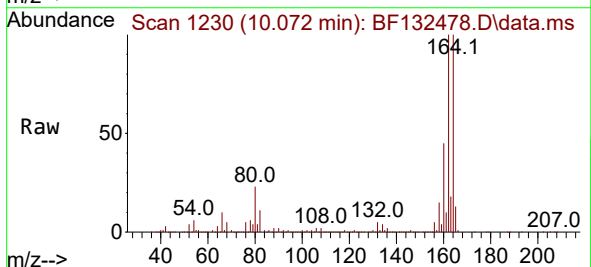
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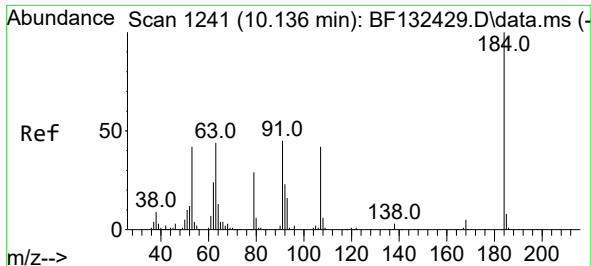
Tgt Ion:172 Resp: 1498907
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 24.5 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.230 ng
RT: 10.072 min Scan# 1230
Delta R.T. 0.218 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:165 Resp: 55350
Ion Ratio Lower Upper
165 100
63 1.4 50.4 75.6#
89 1.6 52.2 78.2#

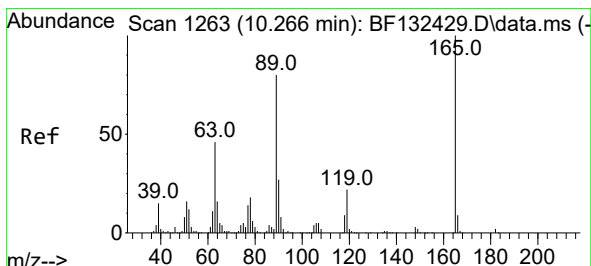
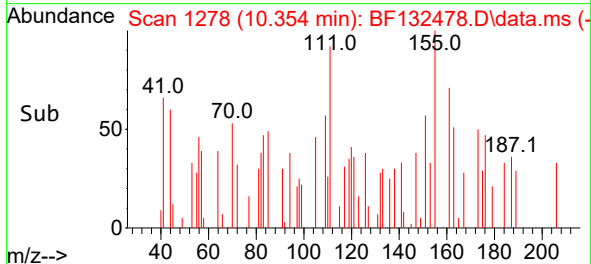
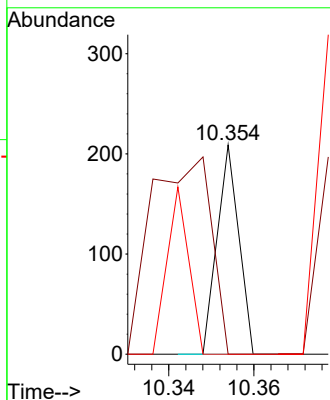
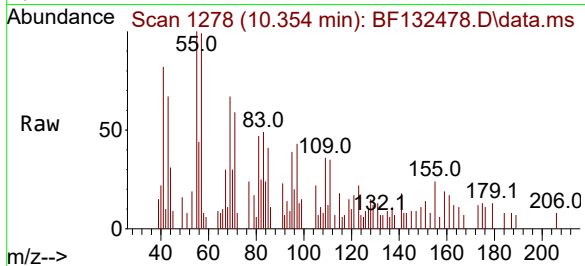




#54
2,4-Dinitrophenol
Concen: 5.145 ng
RT: 10.354 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

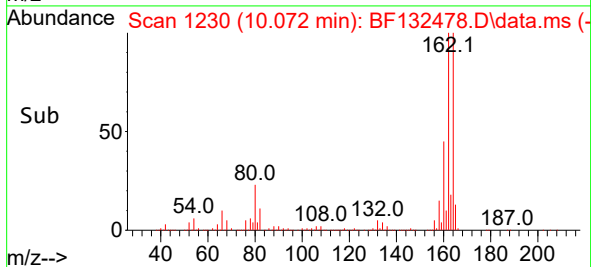
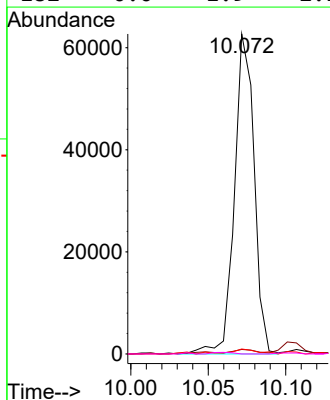
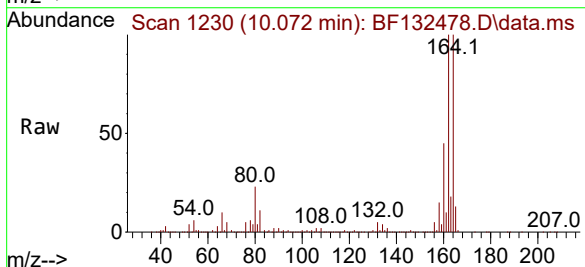
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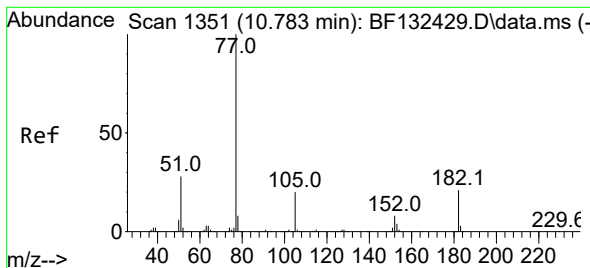
Tgt Ion:184 Resp: 74
Ion Ratio Lower Upper
184 100
63 0.0 47.0 70.6#
154 0.0 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.252 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.188 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:165 Resp: 55350
Ion Ratio Lower Upper
165 100
63 1.4 37.1 55.7#
89 1.6 63.6 95.4#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 2.301 ng

RT: 10.783 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

Tgt Ion: 77 Resp: 77398

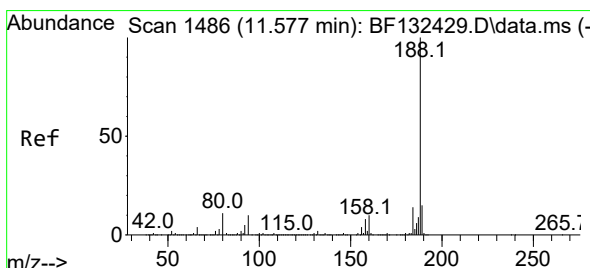
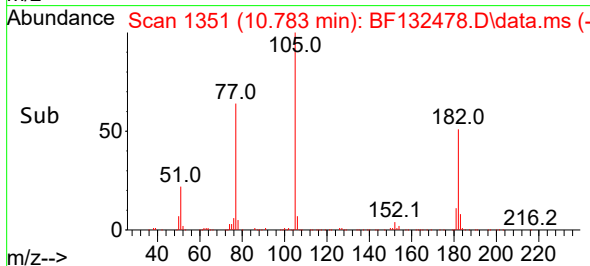
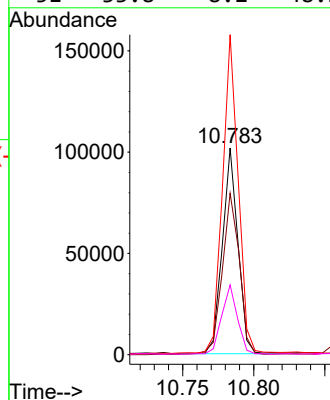
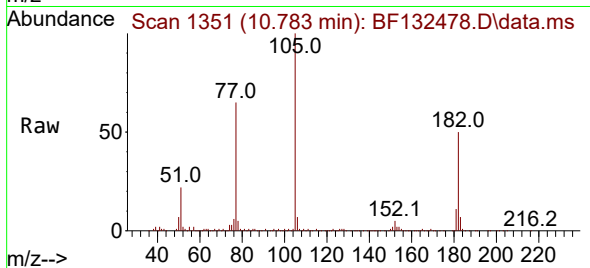
Ion Ratio Lower Upper

77 100

182 78.1 1.4 41.4#

105 154.8 0.1 40.1#

51 33.8 8.2 48.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.571 min Scan# 1485

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

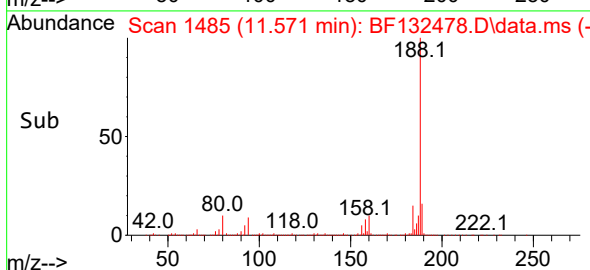
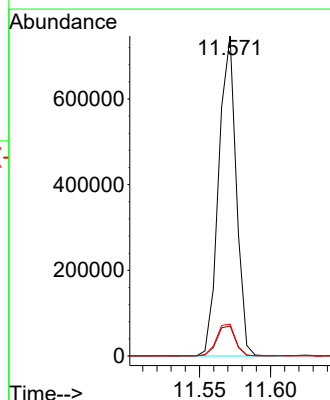
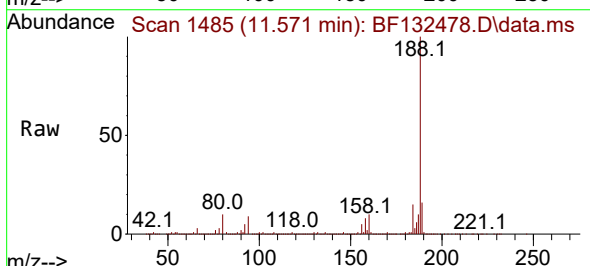
Tgt Ion:188 Resp: 639217

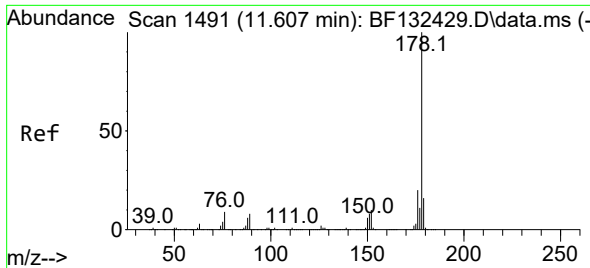
Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

80 9.9 8.6 12.8

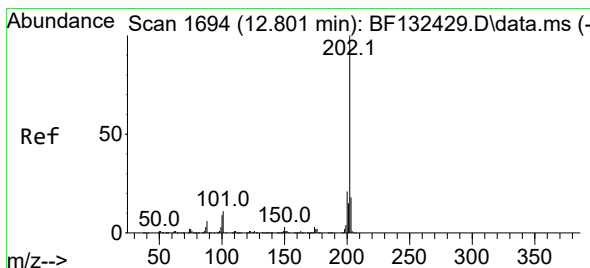
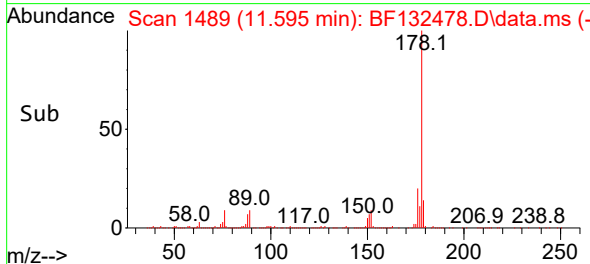
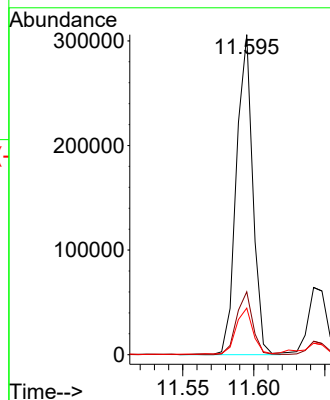
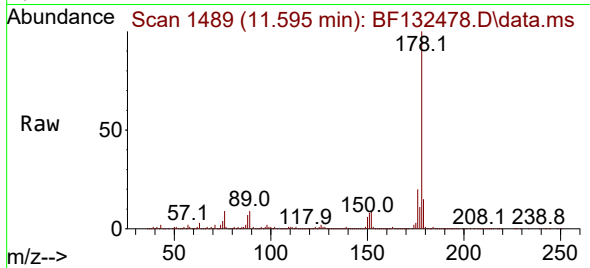




#71
Phenanthrene
Concen: 7.481 ng
RT: 11.595 min Scan# 1491
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

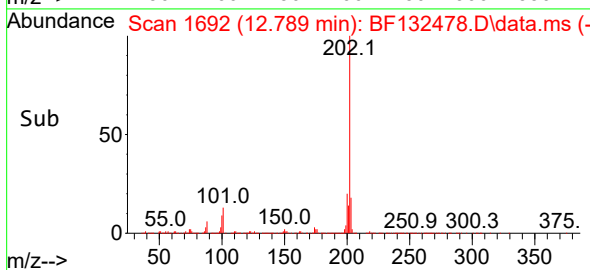
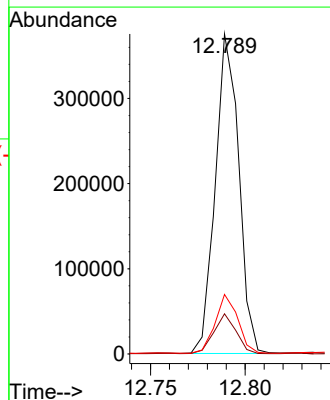
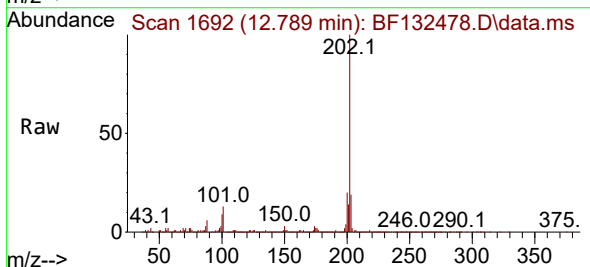
Instrument :
BNA_F
ClientSampleId :
COMP-4RE

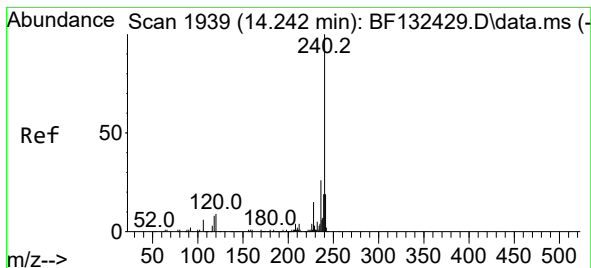
Tgt Ion:178 Resp: 246278
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 14.6 12.6 18.8



#75
Fluoranthene
Concen: 8.818 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:202 Resp: 323739
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.3
203 18.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.230 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

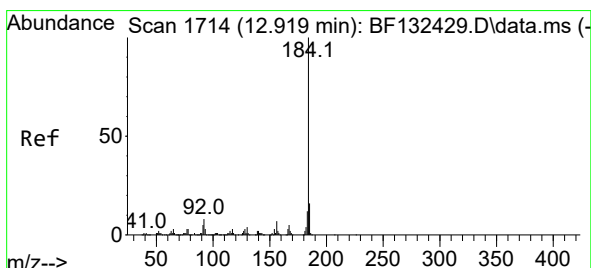
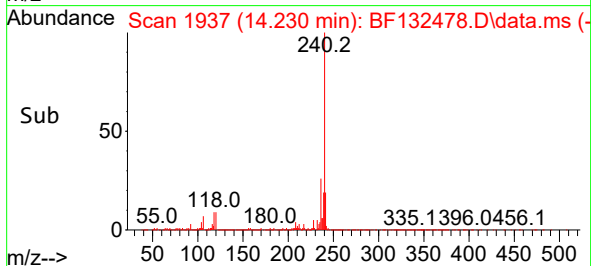
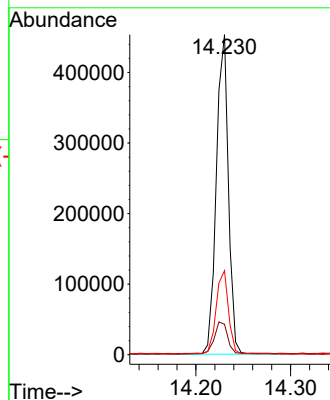
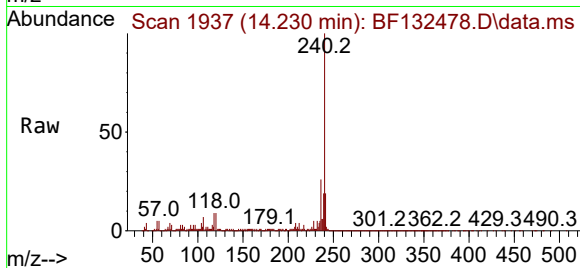
Tgt Ion:240 Resp: 399723

Ion Ratio Lower Upper

240 100

120 9.5 7.5 11.3

236 26.2 21.0 31.6



#77

Benzidine

Concen: 2.003 ng

RT: 13.160 min Scan# 1755

Delta R.T. 0.247 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

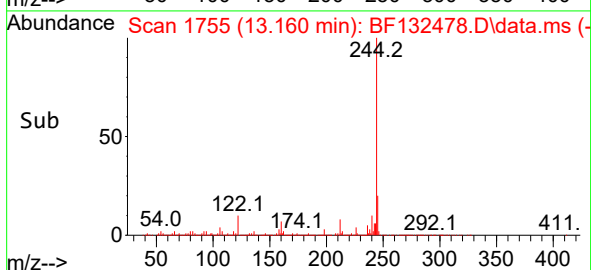
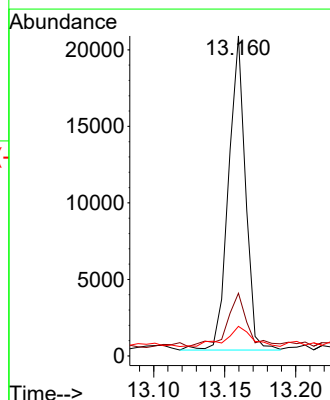
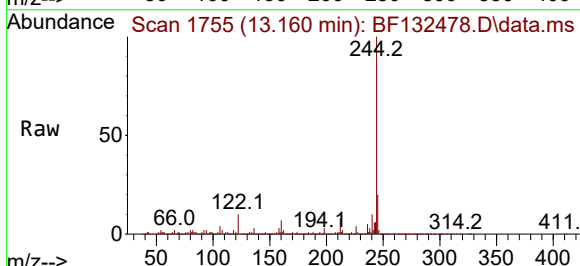
Tgt Ion:184 Resp: 17049

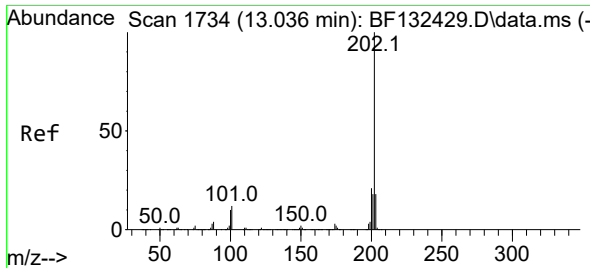
Ion Ratio Lower Upper

184 100

185 19.6 12.4 18.6#

183 9.3 9.2 13.8

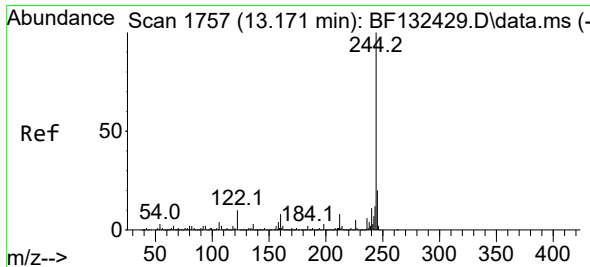
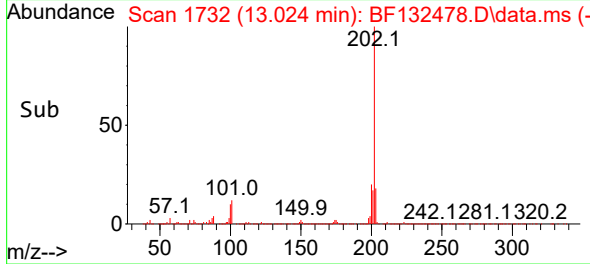
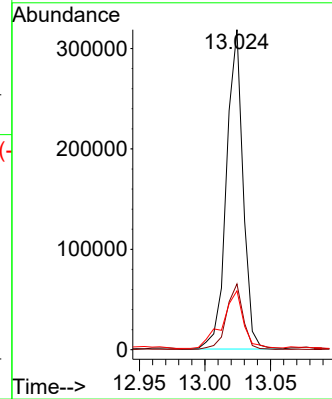
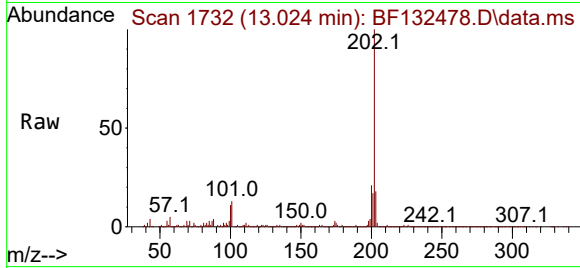




#78
 Pyrene
 Concen: 8.219 ng
 RT: 13.024 min Scan# 1732
 Delta R.T. -0.000 min
 Lab File: BF132478.D
 Acq: 20 Feb 2023 14:12

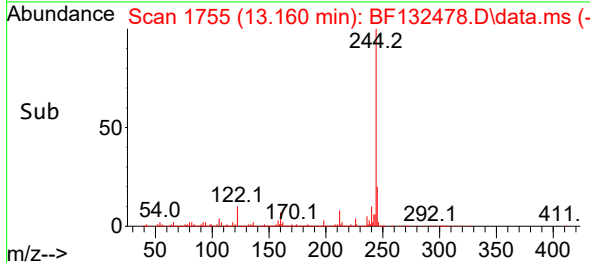
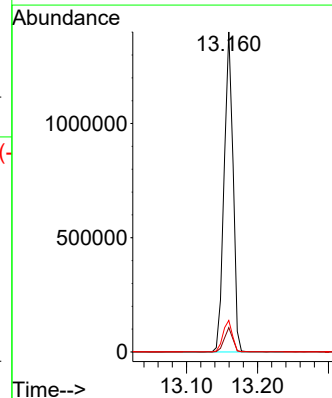
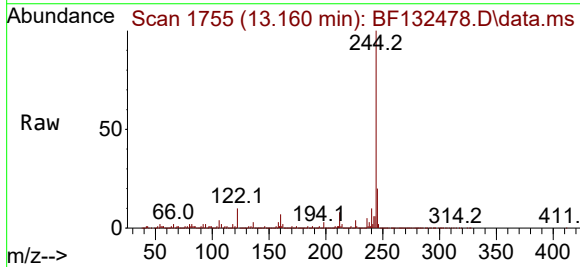
Instrument :
 BNA_F
 ClientSampleId :
 COMP-4RE

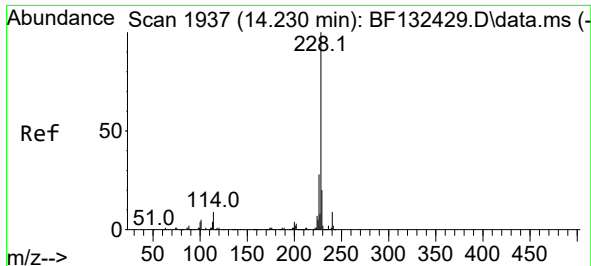
Tgt Ion:202 Resp: 279100
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 25.0
 203 18.4 14.3 21.5



#79
 Terphenyl-d14
 Concen: 55.156 ng
 RT: 13.160 min Scan# 1755
 Delta R.T. -0.000 min
 Lab File: BF132478.D
 Acq: 20 Feb 2023 14:12

Tgt Ion:244 Resp: 1210585
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.7 10.1
 122 9.9 7.7 11.5

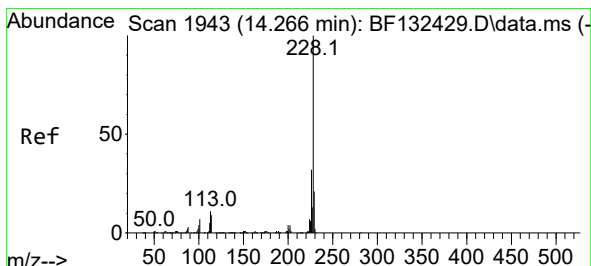
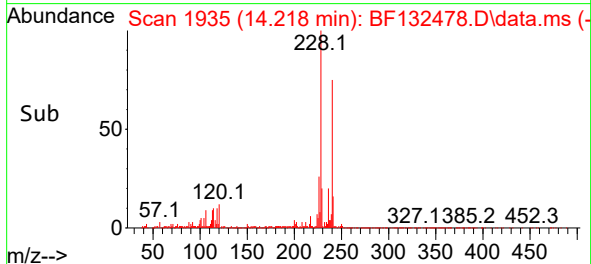
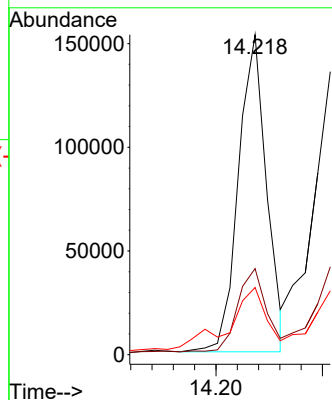
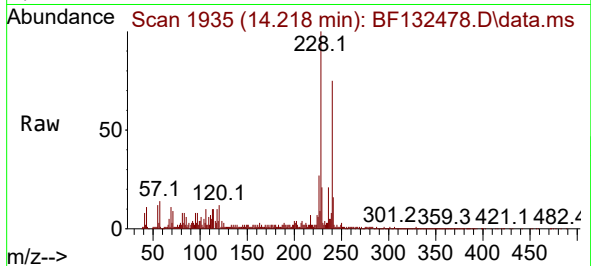




#81
Benzo(a)anthracene
Concen: 4.800 ng
RT: 14.218 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

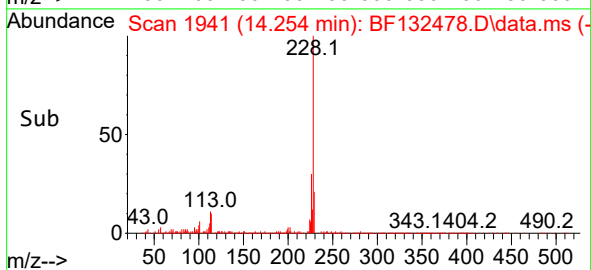
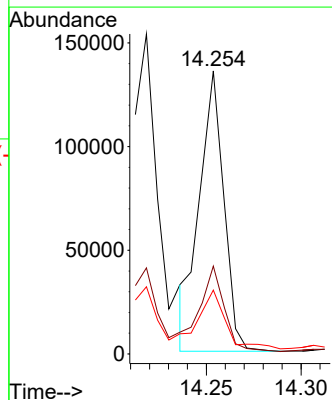
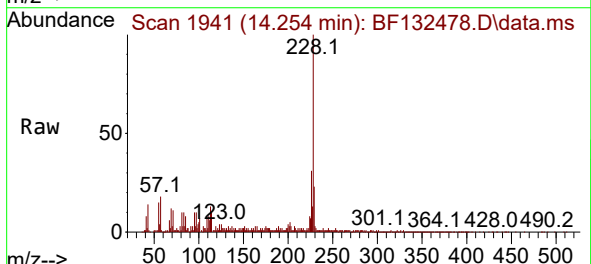
Instrument :
BNA_F
ClientSampleId :
COMP-4RE

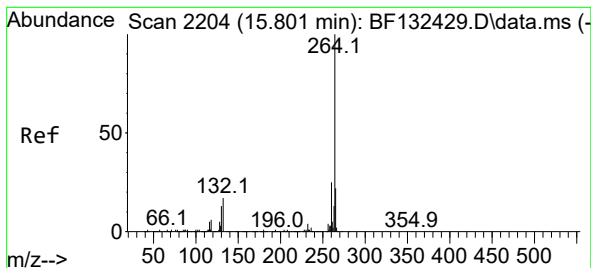
Tgt Ion:228 Resp: 140513
Ion Ratio Lower Upper
228 100
226 26.9 22.6 34.0
229 21.0 16.2 24.4



#83
Chrysene
Concen: 4.339 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:228 Resp: 121382
Ion Ratio Lower Upper
228 100
226 31.0 25.4 38.2
229 22.6 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.795 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

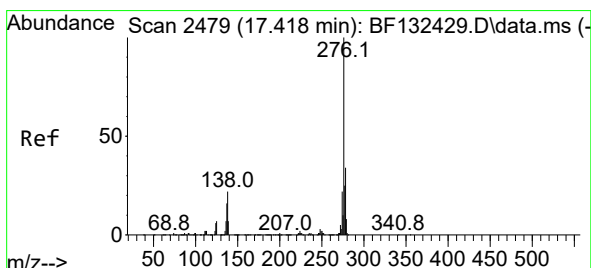
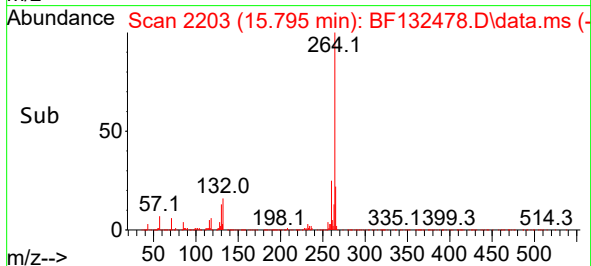
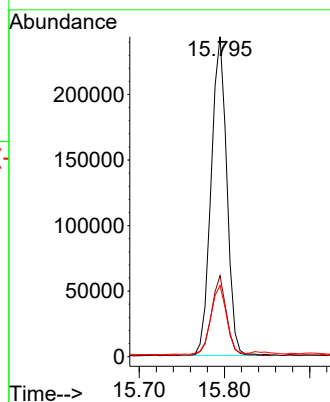
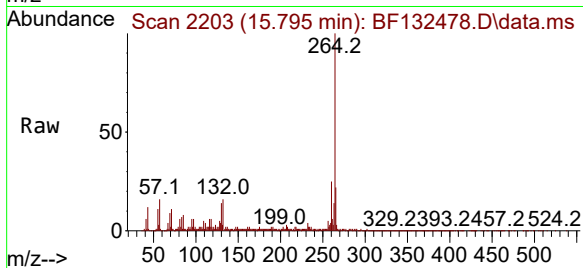
Tgt Ion:264 Resp: 311052

Ion Ratio Lower Upper

264 100

260 25.3 20.0 30.0

265 22.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.135 ng

RT: 17.401 min Scan# 2476

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

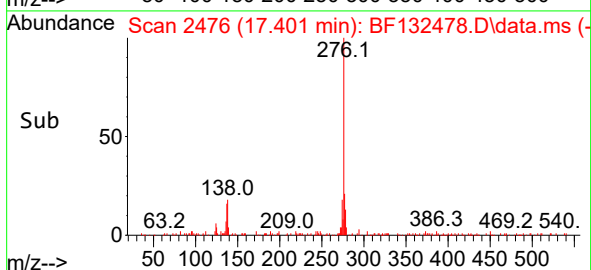
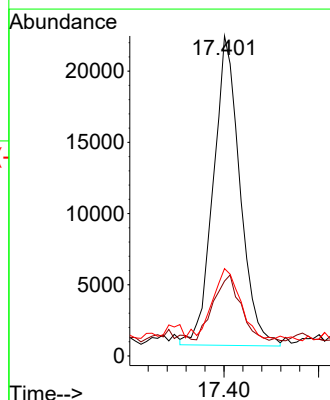
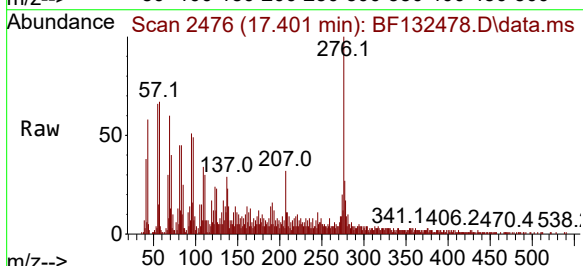
Tgt Ion:276 Resp: 42450

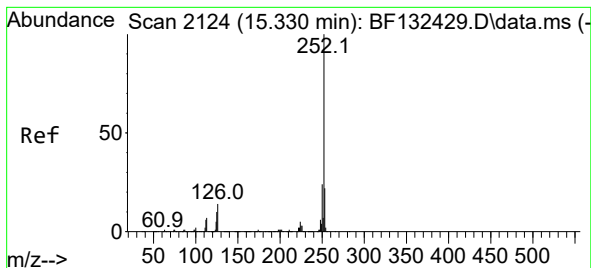
Ion Ratio Lower Upper

276 100

138 21.7 20.2 30.4

277 22.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 8.251 ng

RT: 15.324 min Scan# 2124

Delta R.T. 0.006 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

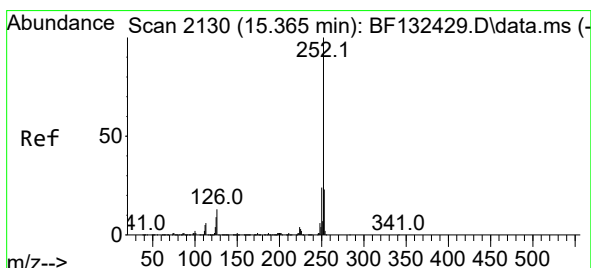
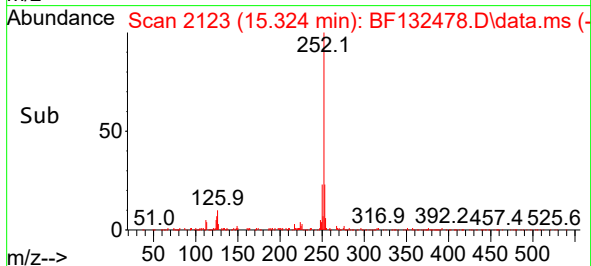
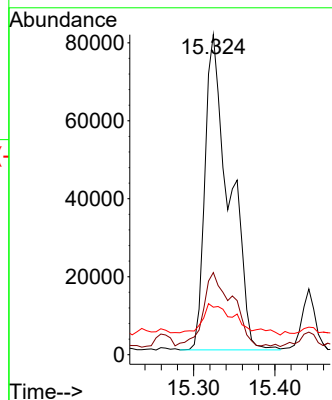
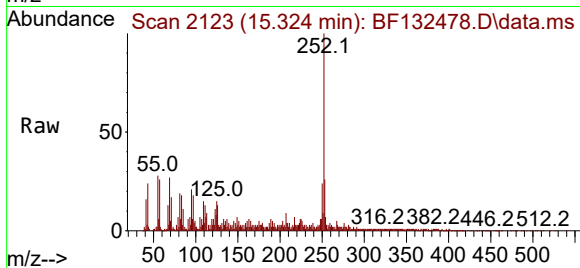
Tgt Ion:252 Resp: 168784

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.8

125 14.9 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 8.246 ng

RT: 15.324 min Scan# 2123

Delta R.T. -0.029 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

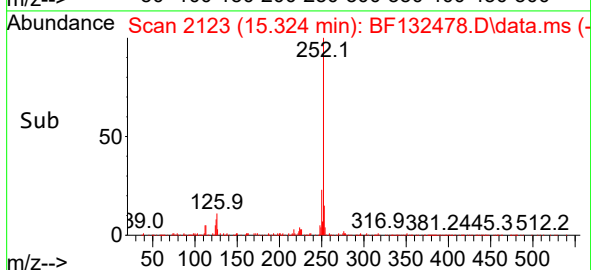
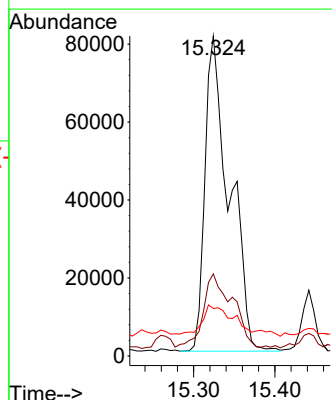
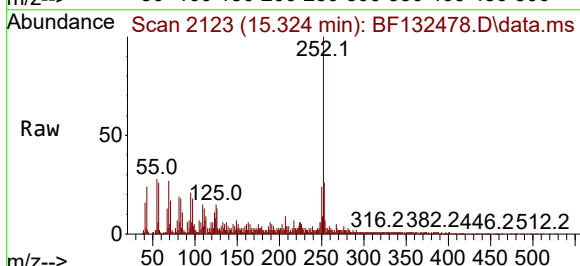
Tgt Ion:252 Resp: 168784

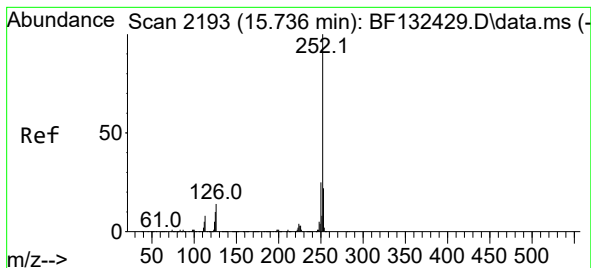
Ion Ratio Lower Upper

252 100

253 25.6 18.2 27.2

125 14.9 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.274 ng

RT: 15.724 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

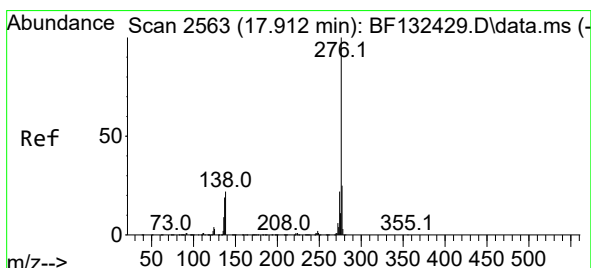
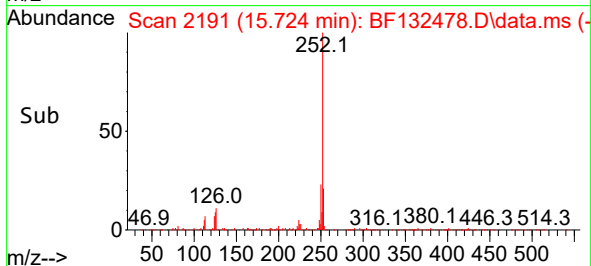
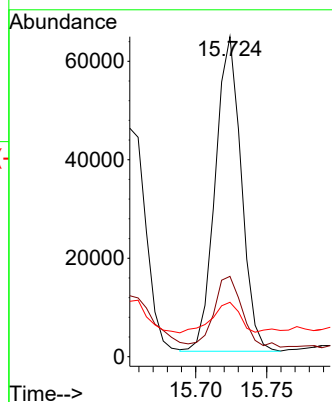
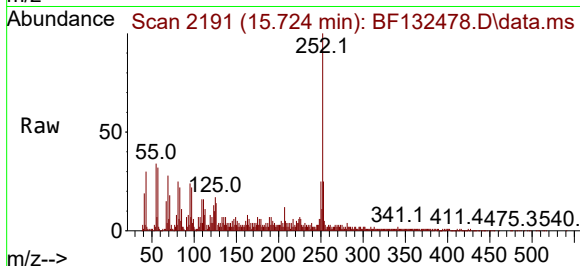
Tgt Ion:252 Resp: 81241

Ion Ratio Lower Upper

252 100

253 25.1 17.6 26.4

125 17.0 8.2 12.4#



#92

Benzo(g,h,i)perylene

Concen: 2.341 ng

RT: 17.895 min Scan# 2560

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Tgt Ion:276 Resp: 39377

Ion Ratio Lower Upper

276 100

277 26.5 19.6 29.4

138 28.6 17.7 26.5#

