

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132788.D
 Acq On : 14 Mar 2023 20:28
 Operator : CG\JU
 Sample : 01898-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1-COMP

Quant Time: Mar 15 02:28:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

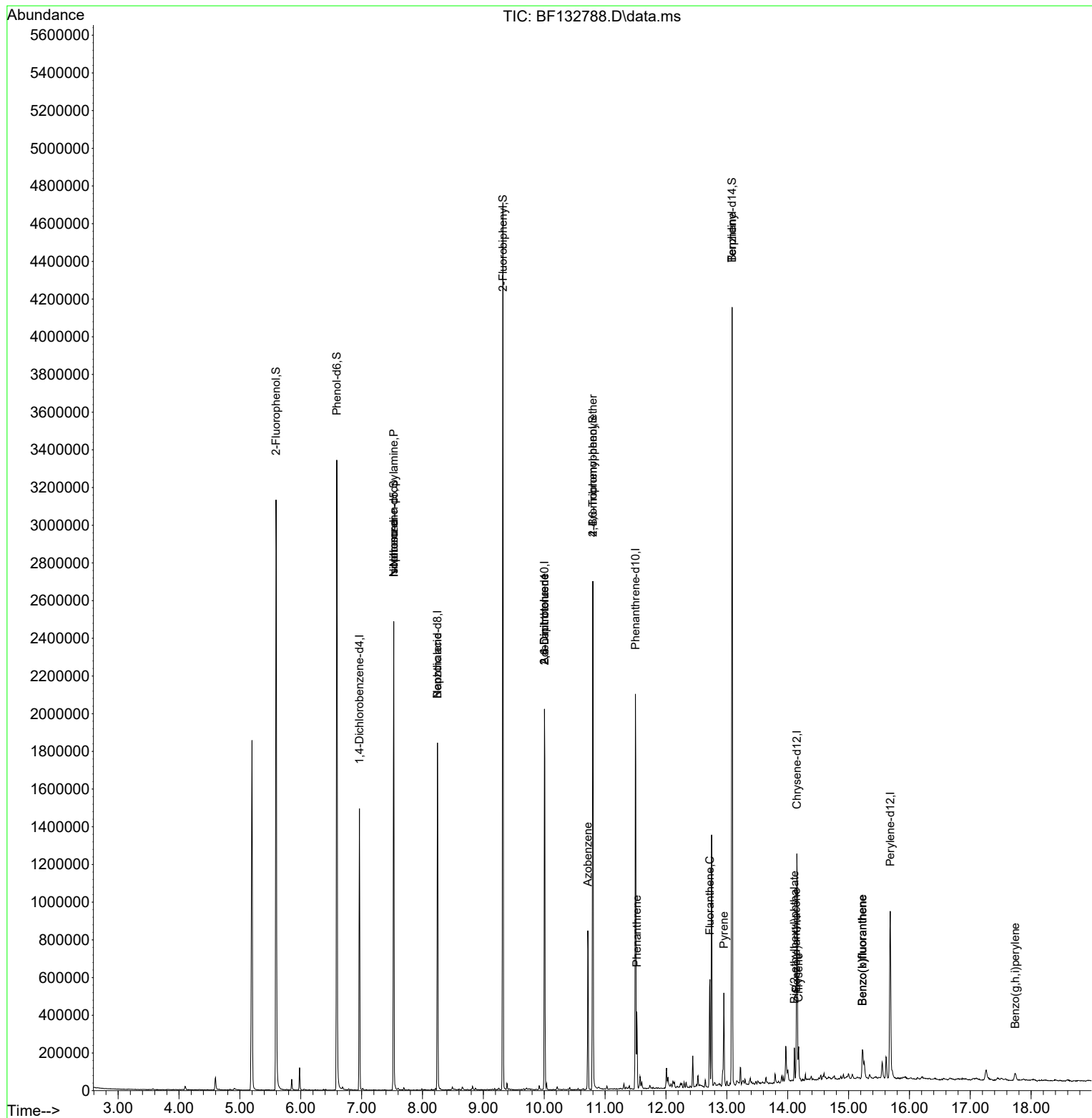
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	208493	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	770074	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	418400	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	794153	20.000	ng	0.00
76) Chrysene-d12	14.151	240	393592	20.000	ng	#-0.01
86) Perylene-d12	15.686	264	428402	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	960330	74.755	ng	0.00
7) Phenol-d6	6.593	99	1224133	73.014	ng	-0.01
23) Nitrobenzene-d5	7.528	82	763706	47.052	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	320168	70.856	ng	-0.01
45) 2-Fluorobiphenyl	9.322	172	1351446	49.182	ng	0.00
79) Terphenyl-d14	13.086	244	1468253	63.071	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.528	70	97279	9.428	ng	# 74
25) Isophorone	7.528	82	763696	24.541	ng	# 67
32) Benzoic acid	8.245	122	392	3.874	ng	# 1
51) 2,6-Dinitrotoluene	10.004	165	54221	7.815	ng	# 22
57) 2,4-Dinitrotoluene	10.004	165	54221	5.874	ng	# 21
63) Azobenzene	10.716	77	147864	4.692	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	20181	2.247	ng	# 1
71) Phenanthrene	11.522	178	144011	3.500	ng	96
75) Fluoranthene	12.722	202	227230	5.052	ng	99
77) Benzidine	13.086	184	19713	2.057	ng	# 94
78) Pyrene	12.951	202	183776	5.136	ng	96
81) Benzo(a)anthracene	14.139	228	74044	2.514	ng	98
83) Chrysene	14.180	228	67568	2.454	ng	96
84) Bis(2-ethylhexyl)phtha...	14.110	149	46245	2.666	ng	# 94
88) Benzo(b)fluoranthene	15.227	252	120900	4.211	ng	# 95
89) Benzo(k)fluoranthene	15.227	252	120900	4.303	ng	# 95
92) Benzo(g,h,i)perylene	17.739	276	34440	2.902	ng	93

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

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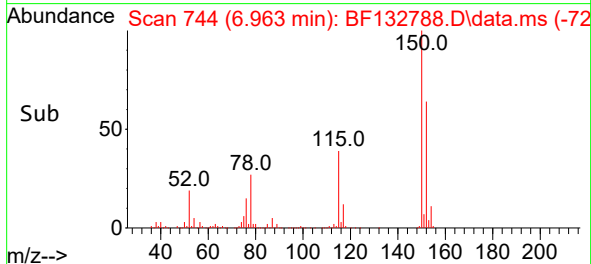
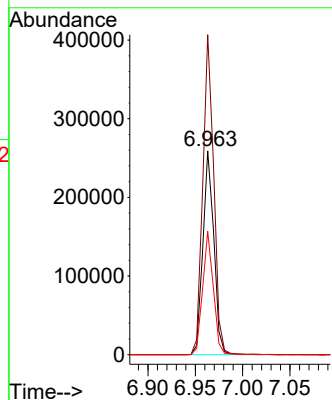
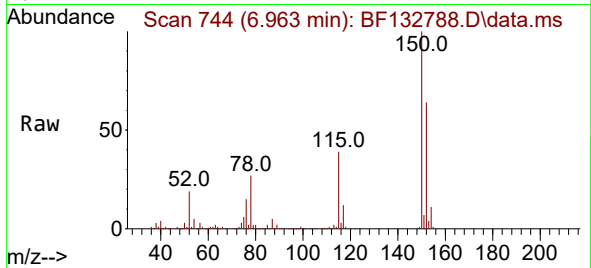




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

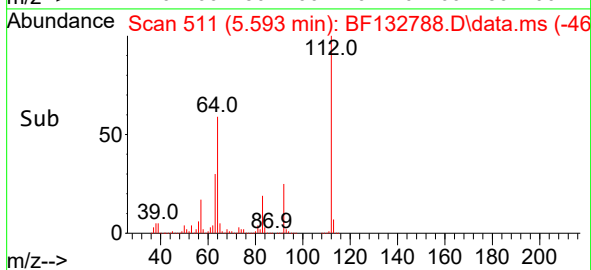
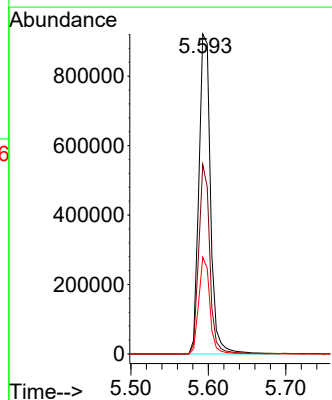
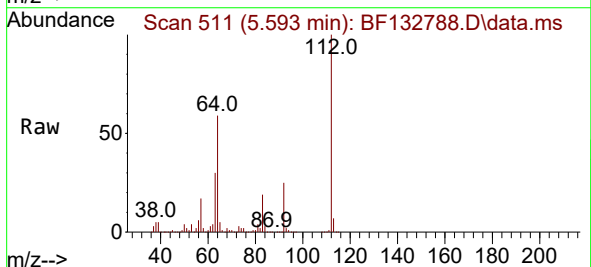
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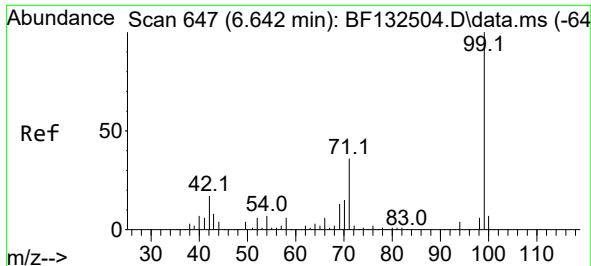
Tgt Ion:152 Resp: 208493
Ion Ratio Lower Upper
152 100
150 157.0 125.4 188.2
115 60.6 47.8 71.6



#5
2-Fluorophenol
Concen: 74.755 ng
RT: 5.593 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion:112 Resp: 960330
Ion Ratio Lower Upper
112 100
64 59.2 51.6 77.4
63 30.2 27.4 41.2

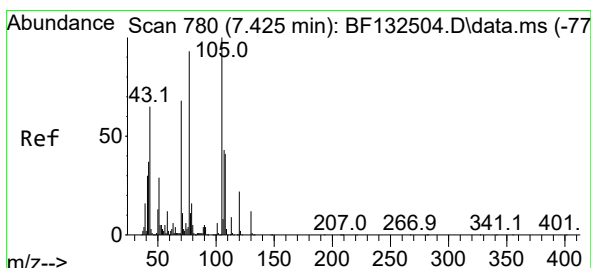
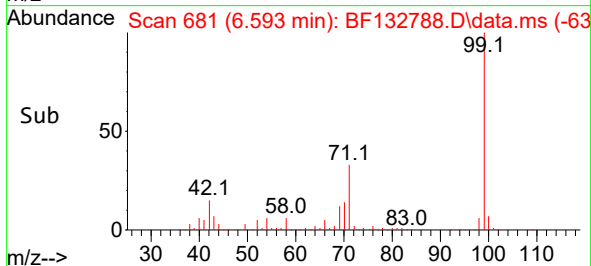
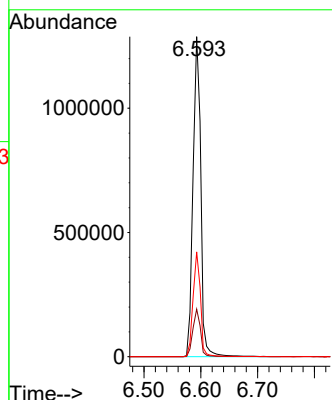
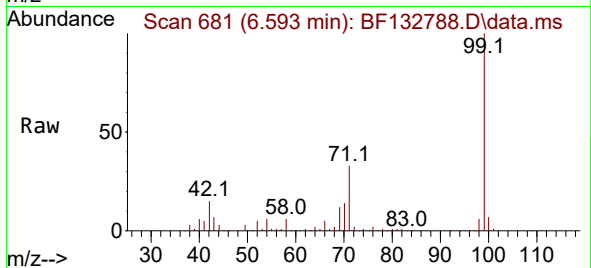




#7
Phenol-d6
Concen: 73.014 ng
RT: 6.593 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

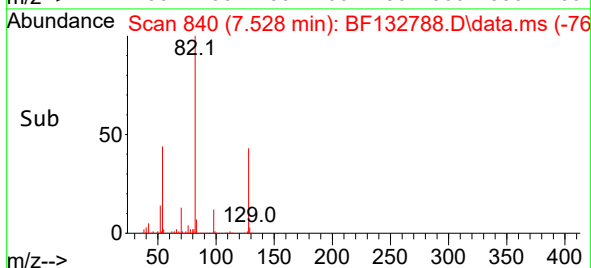
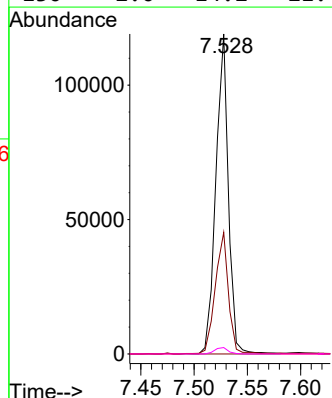
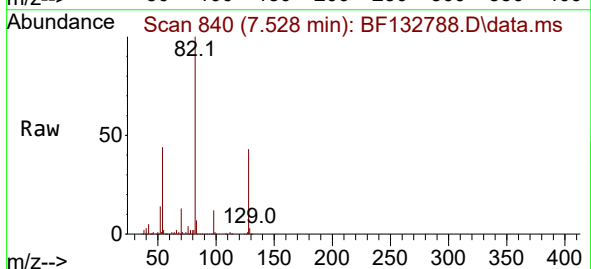
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-COMP

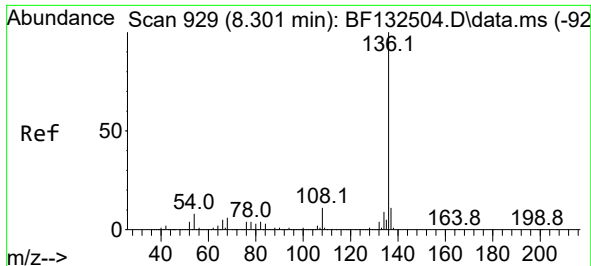
Tgt Ion: 99 Resp: 1224133
Ion Ratio Lower Upper
99 100
42 14.8 13.9 20.9
71 32.7 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 9.428 ng
RT: 7.528 min Scan# 840
Delta R.T. 0.147 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion: 70 Resp: 97279
Ion Ratio Lower Upper
70 100
42 38.0 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#



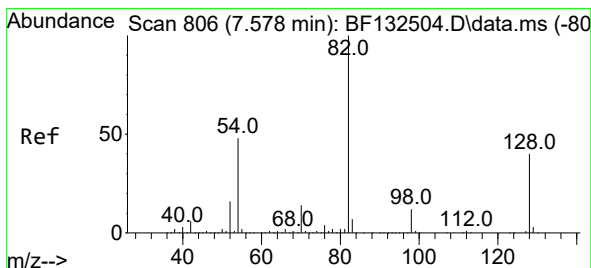
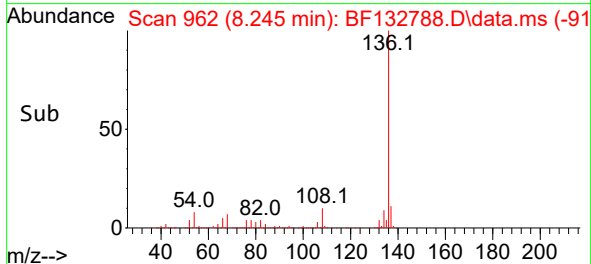
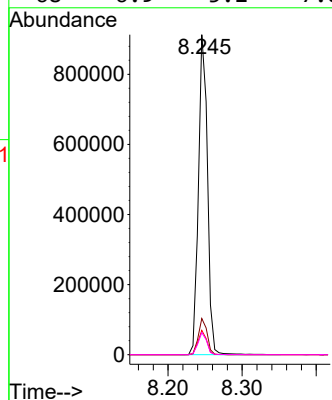
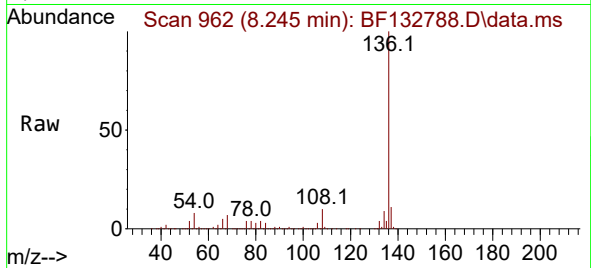


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-COMP

Tgt Ion:136 Resp: 770074

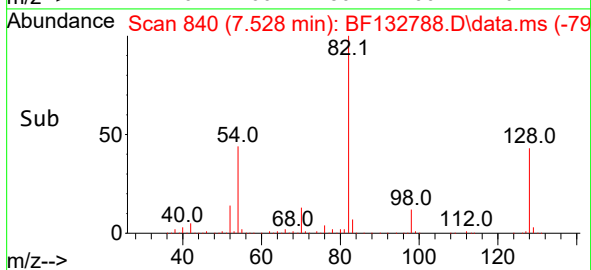
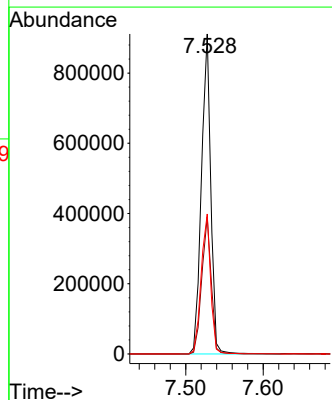
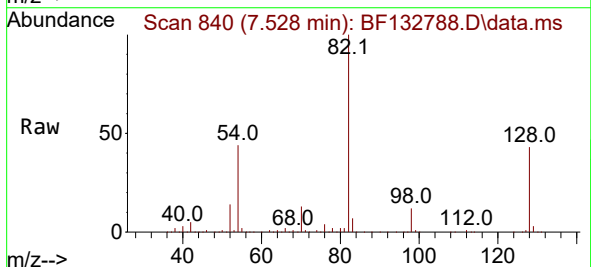
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.6	6.2	9.4
68	6.9	5.2	7.8

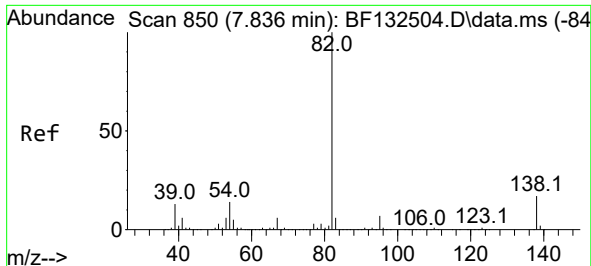


#23
Nitrobenzene-d5
Concen: 47.052 ng
RT: 7.528 min Scan# 840
Delta R.T. -0.012 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion: 82 Resp: 763706

Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.2	48.2
54	43.8	38.4	57.6

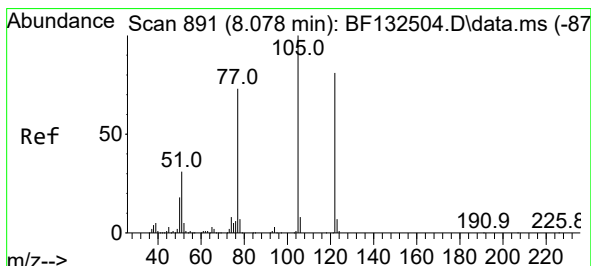
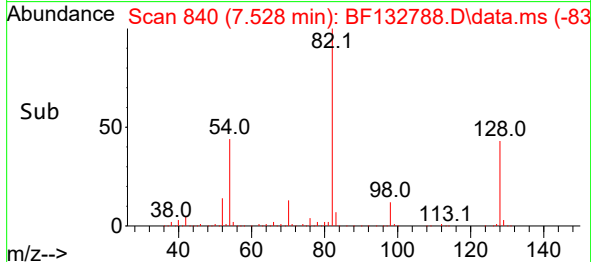
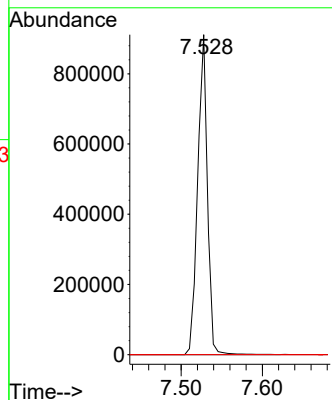
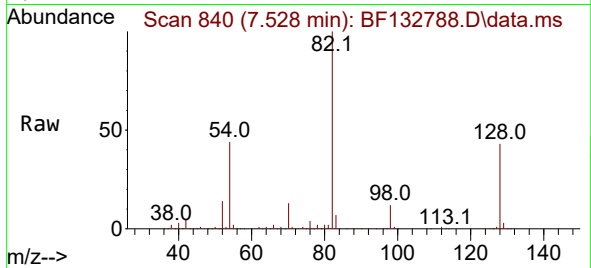




#25
Isophorone
Concen: 24.541 ng
RT: 7.528 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

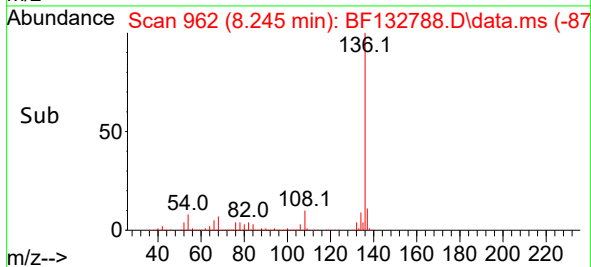
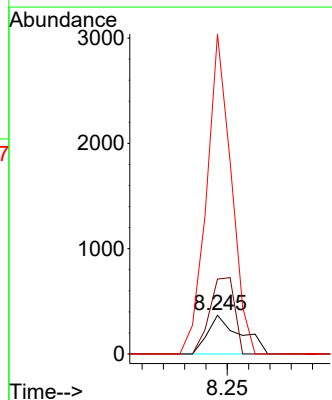
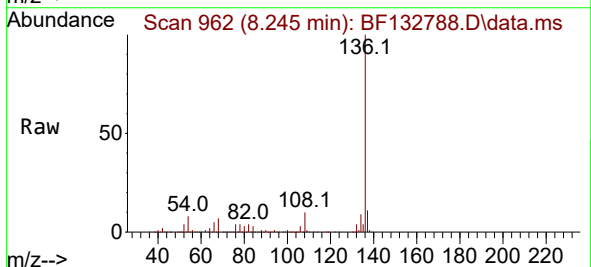
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-COMP

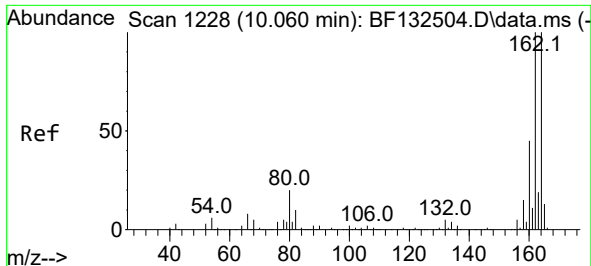
Tgt Ion: 82 Resp: 763696
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.874 ng
RT: 8.245 min Scan# 962
Delta R.T. 0.212 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion: 122 Resp: 392
Ion Ratio Lower Upper
122 100
105 193.2 102.6 142.6#
77 825.8 70.2 110.2#

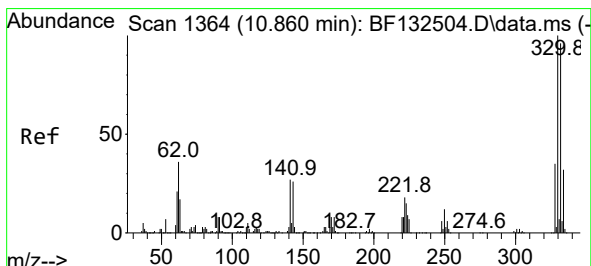
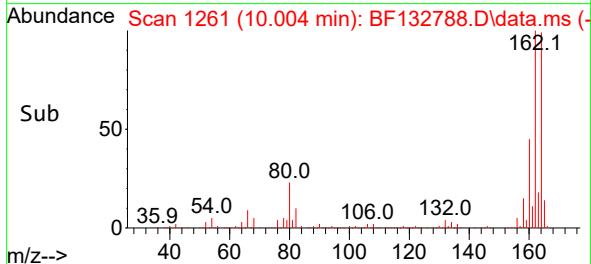
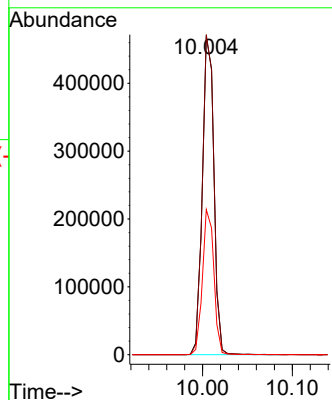
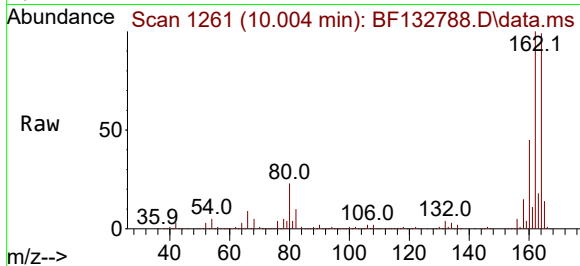




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

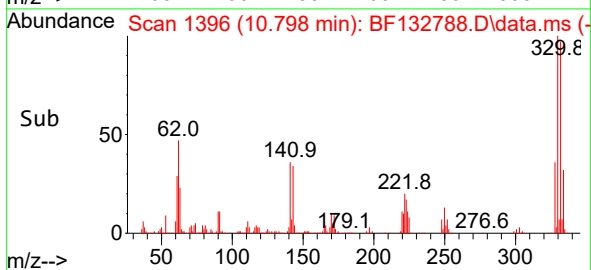
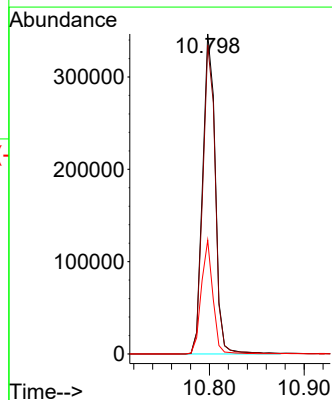
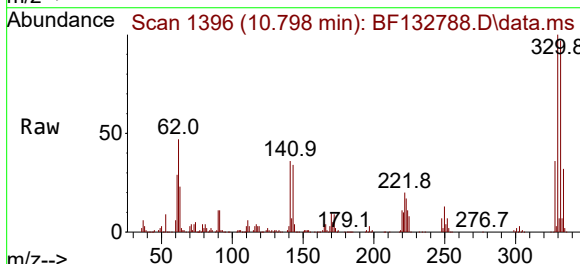
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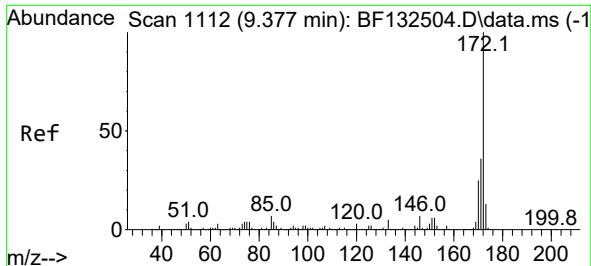
Tgt Ion:164 Resp: 418400
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.8
160 45.6 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 70.856 ng
RT: 10.798 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion:330 Resp: 320168
Ion Ratio Lower Upper
330 100
332 96.1 76.2 114.4
141 32.7 28.4 42.6

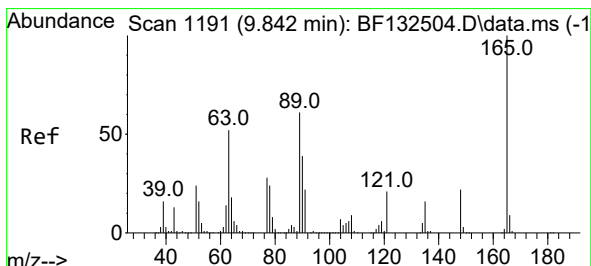
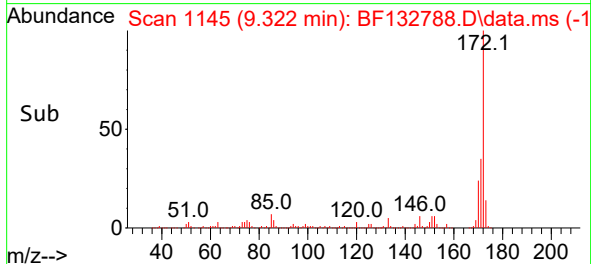
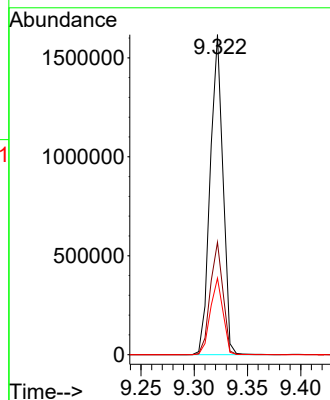
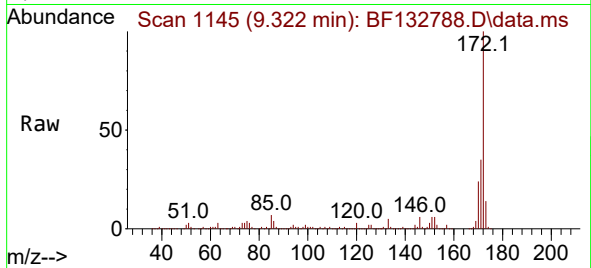




#45
2-Fluorobiphenyl
Concen: 49.182 ng
RT: 9.322 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

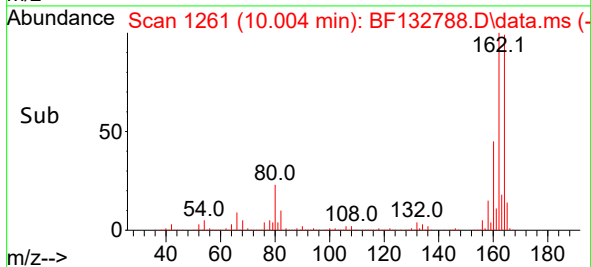
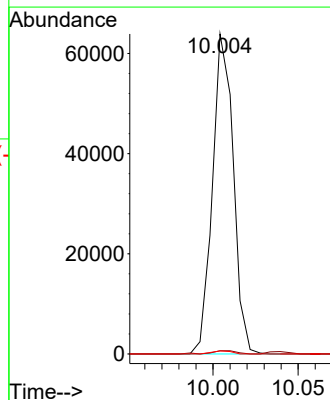
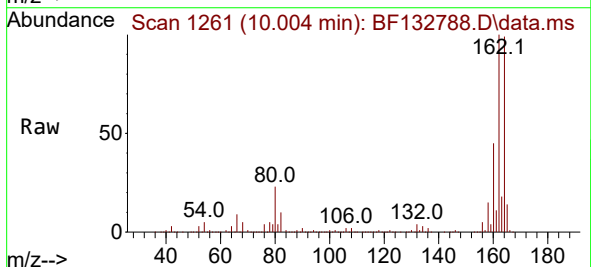
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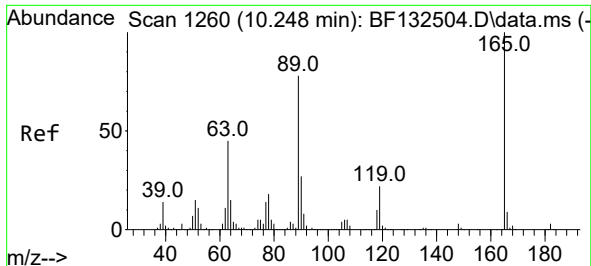
Tgt Ion:172 Resp: 1351446
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.9 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.815 ng
RT: 10.004 min Scan# 1261
Delta R.T. 0.206 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion:165 Resp: 54221
Ion Ratio Lower Upper
165 100
63 1.0 47.3 70.9#
89 0.9 48.9 73.3#

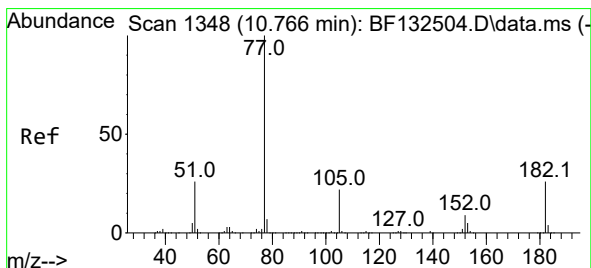
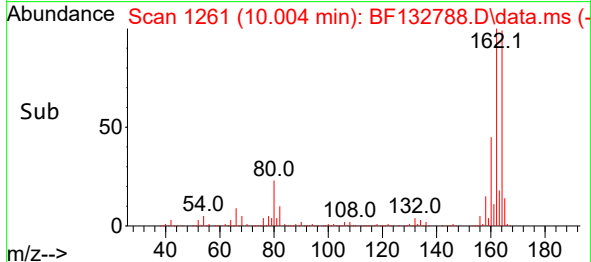
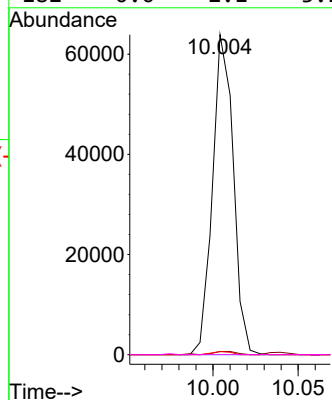
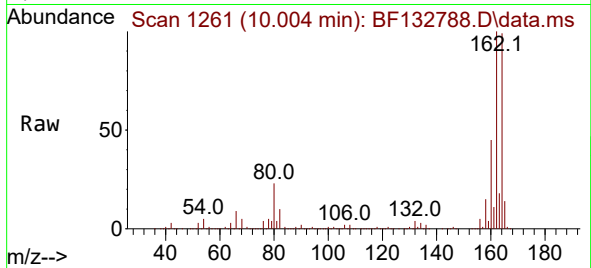




#57
2,4-Dinitrotoluene
Concen: 5.874 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

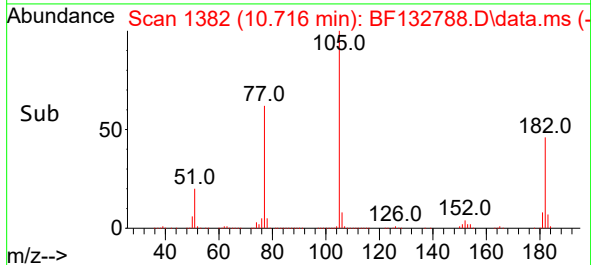
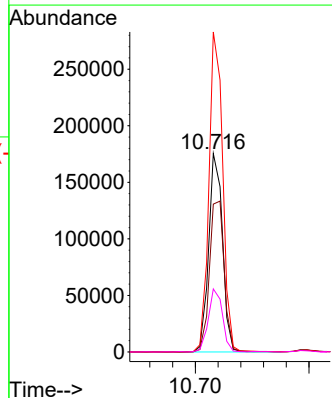
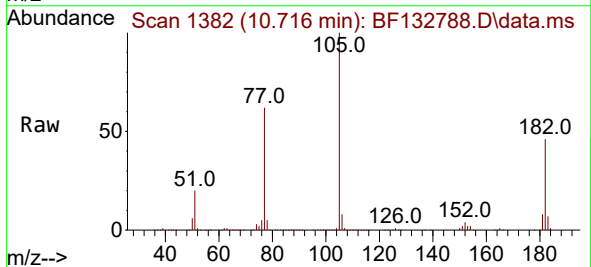
Instrument :
BNA_F
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SAMPLE-1-COMP

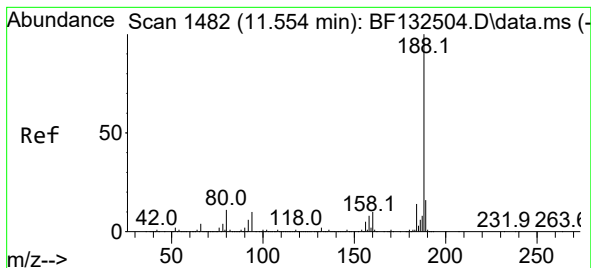
Tgt Ion:165 Resp: 54221
Ion Ratio Lower Upper
165 100
63 1.0 36.5 54.7#
89 0.9 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 4.692 ng
RT: 10.716 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion: 77 Resp: 147864
Ion Ratio Lower Upper
77 100
182 74.5 5.5 45.5#
105 161.3 1.8 41.8#
51 31.8 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132788.D

Acq: 14 Mar 2023 20:28

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1-COMP

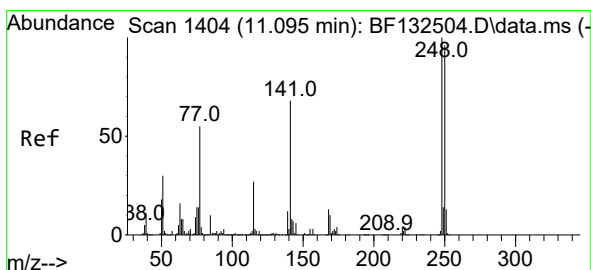
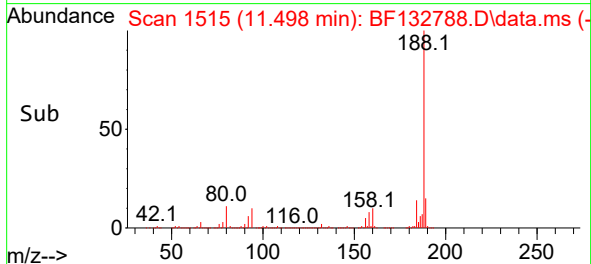
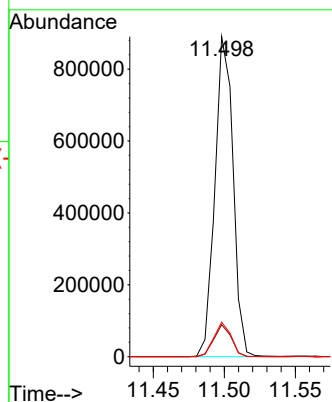
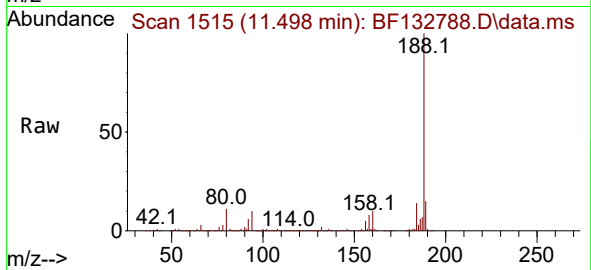
Tgt Ion:188 Resp: 794153

Ion Ratio Lower Upper

188 100

94 10.0 8.3 12.5

80 10.8 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 2.247 ng

RT: 10.798 min Scan# 1396

Delta R.T. -0.247 min

Lab File: BF132788.D

Acq: 14 Mar 2023 20:28

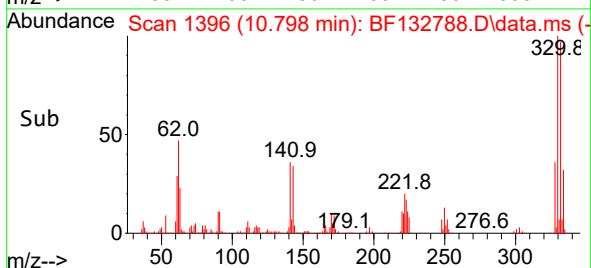
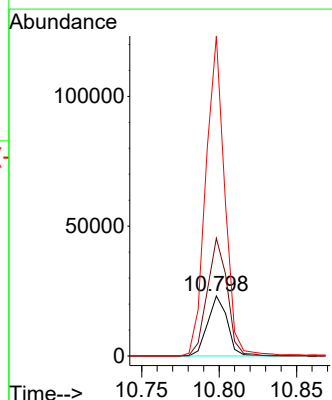
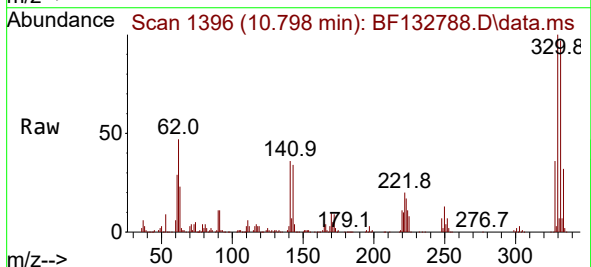
Tgt Ion:248 Resp: 20181

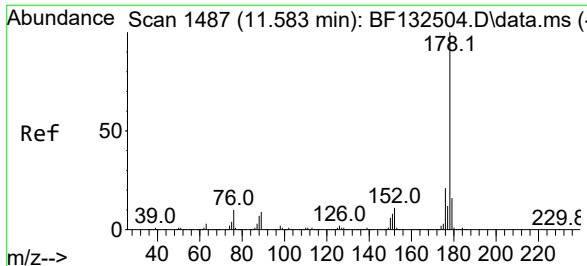
Ion Ratio Lower Upper

248 100

250 196.3 77.0 115.4#

141 533.2 54.2 81.2#

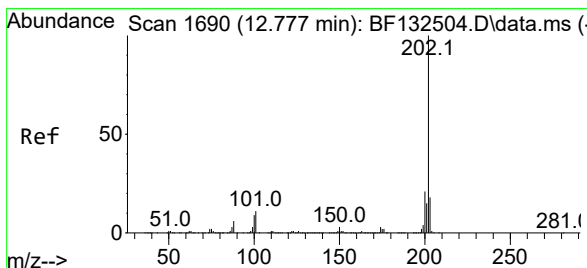
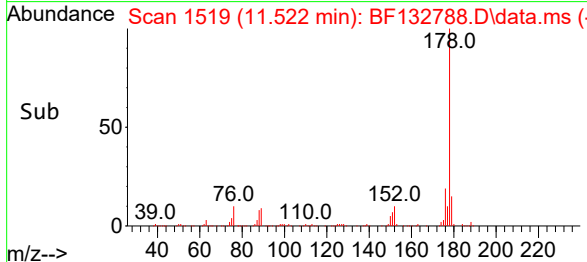
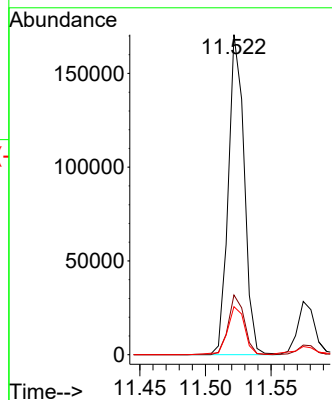
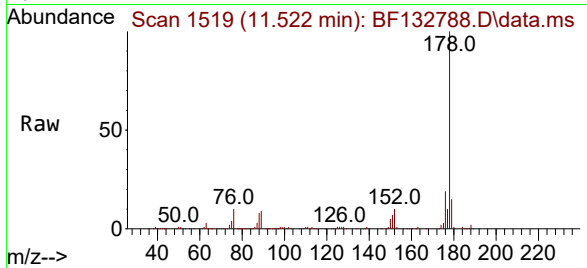




#71
Phenanthrene
Concen: 3.500 ng
RT: 11.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

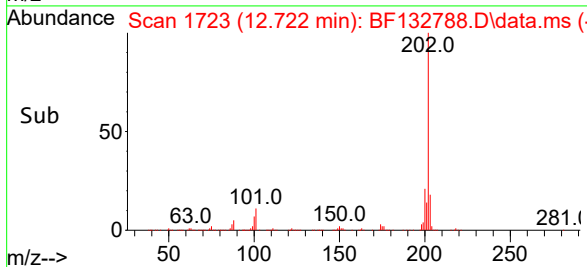
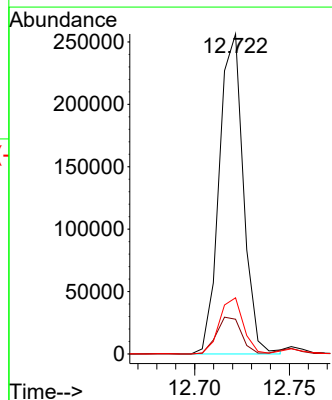
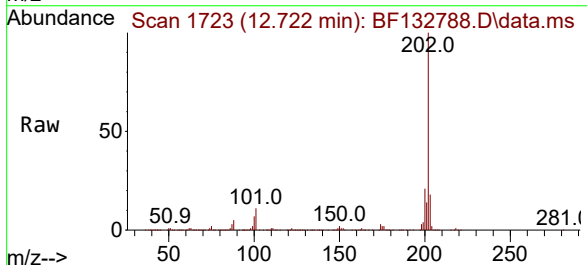
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-COMP

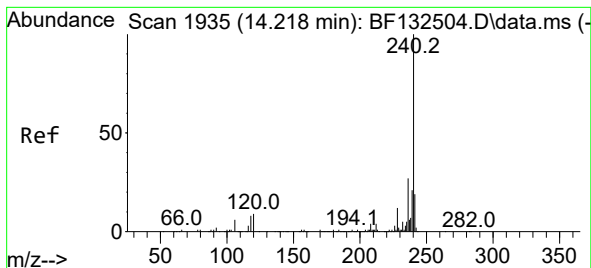
Tgt Ion:178 Resp: 144011
Ion Ratio Lower Upper
178 100
176 18.7 16.5 24.7
179 15.0 13.0 19.6



#75
Fluoranthene
Concen: 5.052 ng
RT: 12.722 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion:202 Resp: 227230
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.151 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132788.D

Acq: 14 Mar 2023 20:28

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1-COMP

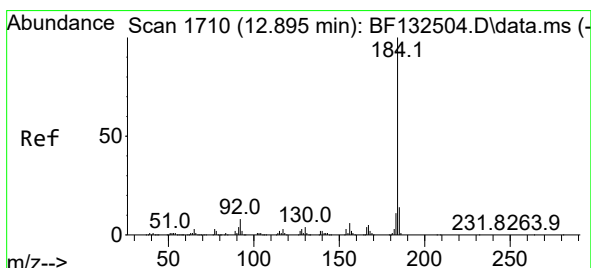
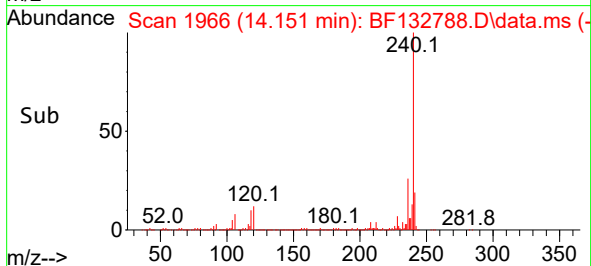
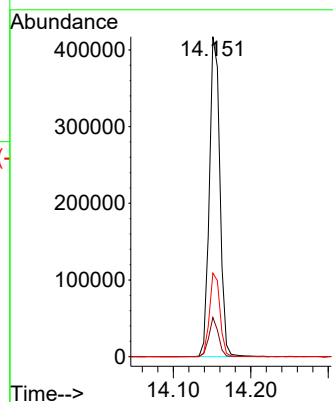
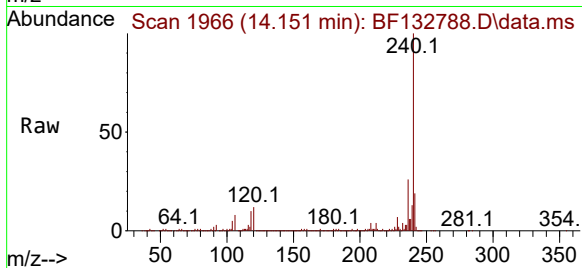
Tgt Ion:240 Resp: 393592

Ion Ratio Lower Upper

240 100

120 12.2 7.2 10.8#

236 26.1 21.8 32.6



#77

Benidine

Concen: 2.057 ng

RT: 13.086 min Scan# 1785

Delta R.T. 0.241 min

Lab File: BF132788.D

Acq: 14 Mar 2023 20:28

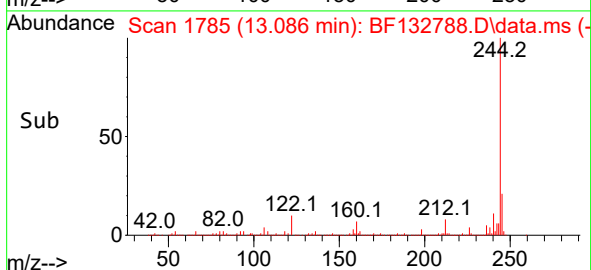
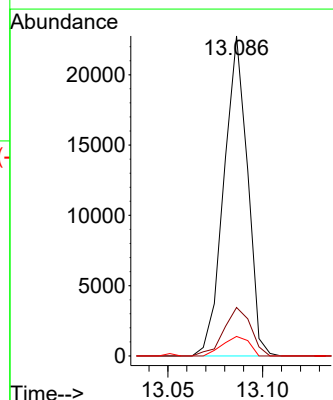
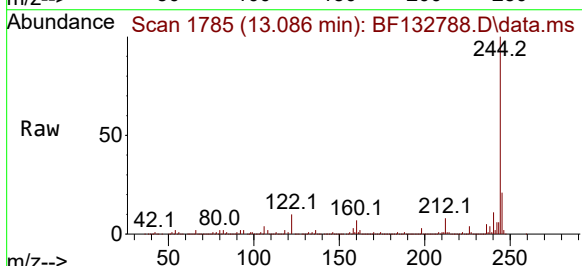
Tgt Ion:184 Resp: 19713

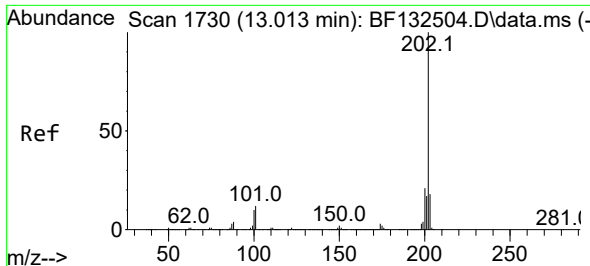
Ion Ratio Lower Upper

184 100

185 15.1 11.7 17.5

183 6.1 8.7 13.1#

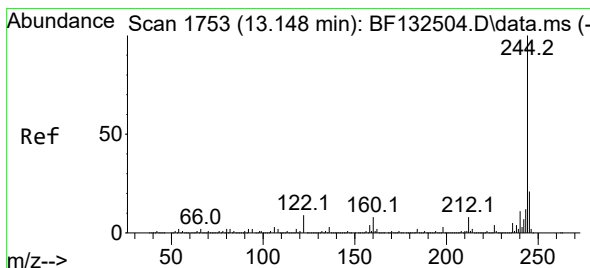
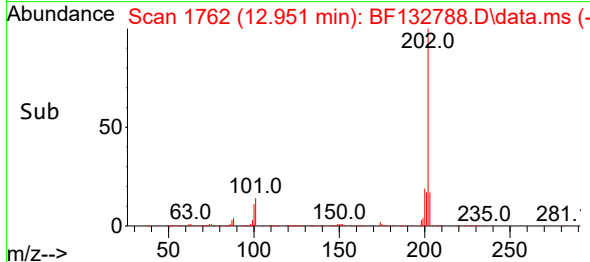
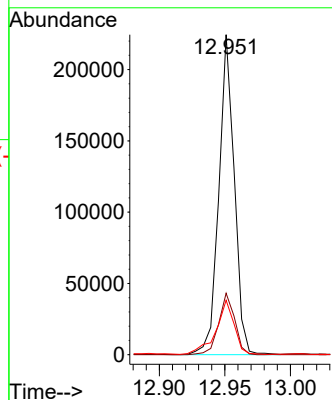
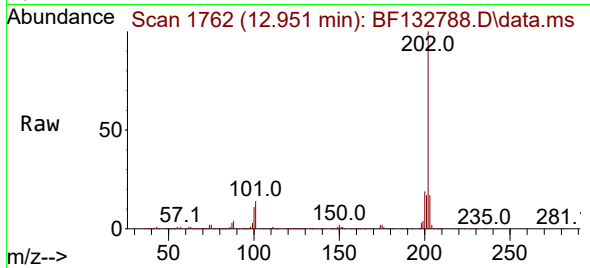




#78
 Pyrene
 Concen: 5.136 ng
 RT: 12.951 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF132788.D
 Acq: 14 Mar 2023 20:28

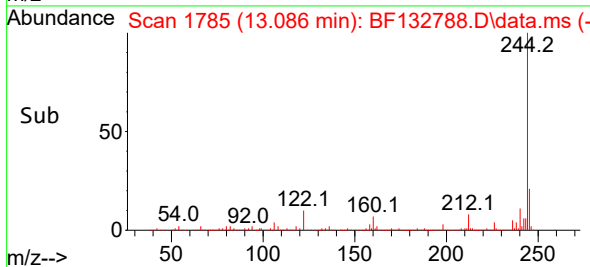
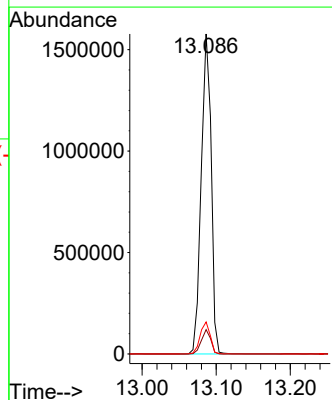
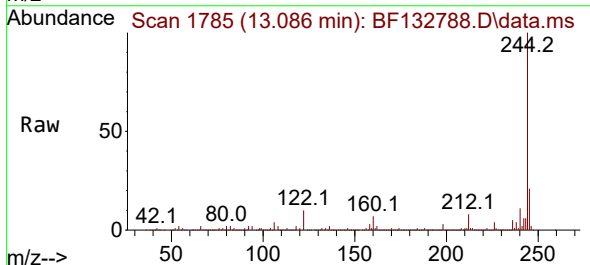
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1-COMP

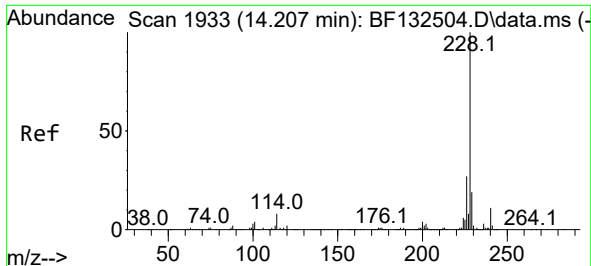
Tgt Ion:202 Resp: 183776
 Ion Ratio Lower Upper
 202 100
 200 19.2 17.1 25.7
 203 17.0 14.6 21.8



#79
 Terphenyl-d14
 Concen: 63.071 ng
 RT: 13.086 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF132788.D
 Acq: 14 Mar 2023 20:28

Tgt Ion:244 Resp: 1468253
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 10.0 7.5 11.3

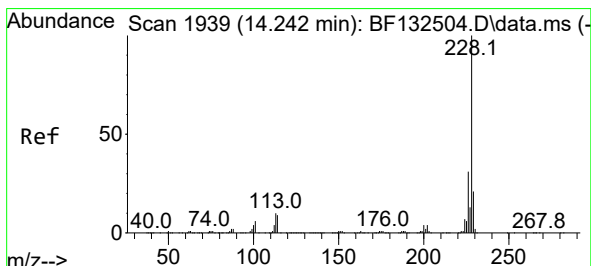
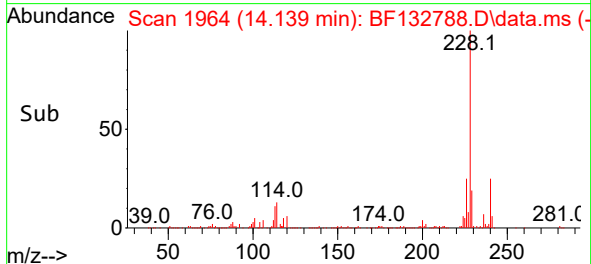
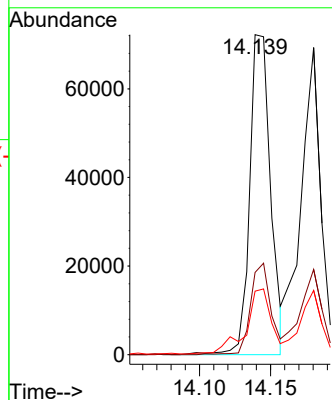
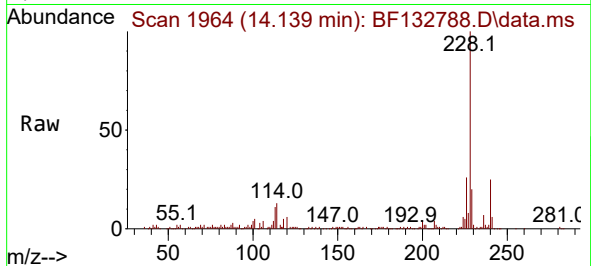




#81
Benzo(a)anthracene
Concen: 2.514 ng
RT: 14.139 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

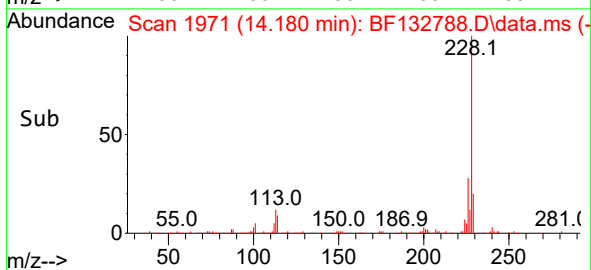
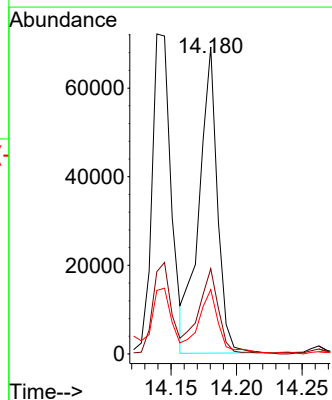
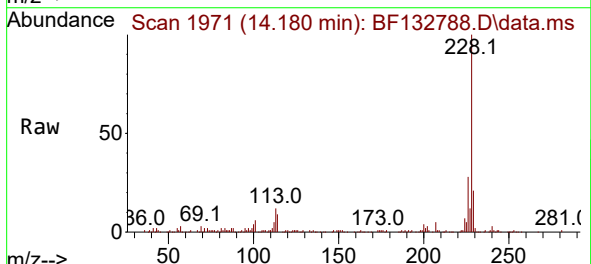
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1-COMP

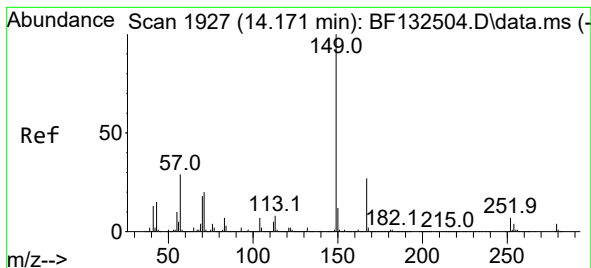
Tgt Ion:228 Resp: 74044
Ion Ratio Lower Upper
228 100
226 25.7 21.7 32.5
229 19.8 15.4 23.2



#83
Chrysene
Concen: 2.454 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BF132788.D
Acq: 14 Mar 2023 20:28

Tgt Ion:228 Resp: 67568
Ion Ratio Lower Upper
228 100
226 27.8 25.0 37.6
229 21.0 16.4 24.6

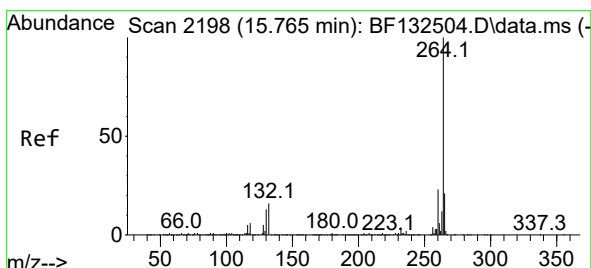
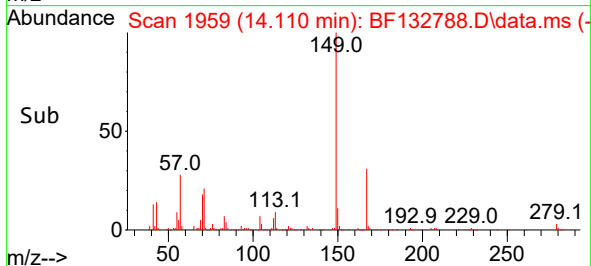
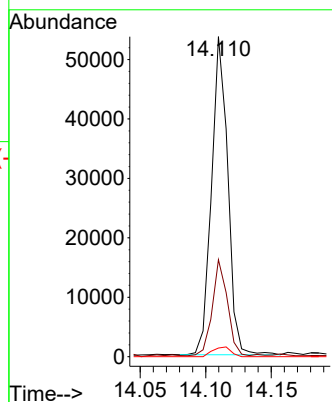
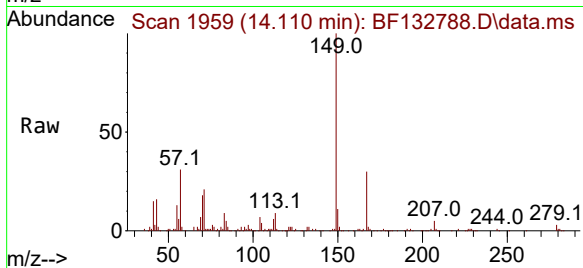




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.666 ng
 RT: 14.110 min Scan# 1927
 Delta R.T. -0.006 min
 Lab File: BF132788.D
 Acq: 14 Mar 2023 20:28

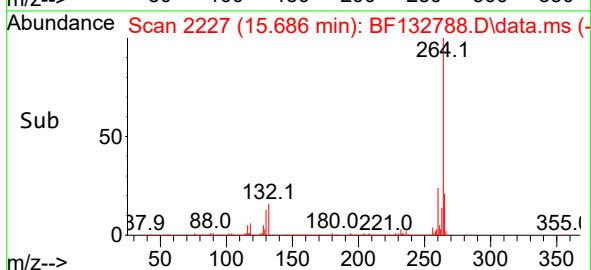
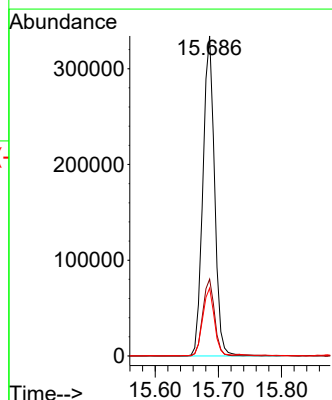
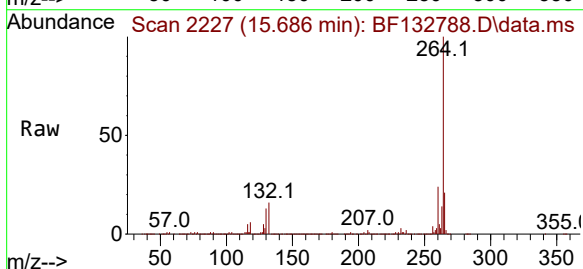
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1-COMP

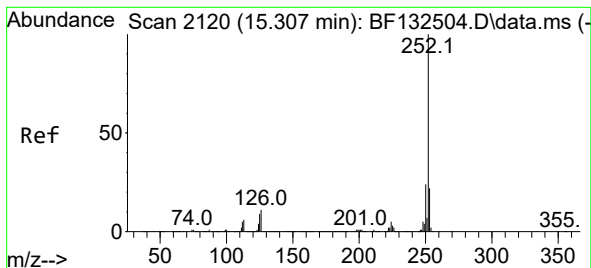
Tgt Ion:149 Resp: 46245
 Ion Ratio Lower Upper
 149 100
 167 30.3 21.8 32.6
 279 2.7 3.0 4.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.686 min Scan# 2227
 Delta R.T. -0.006 min
 Lab File: BF132788.D
 Acq: 14 Mar 2023 20:28

Tgt Ion:264 Resp: 428402
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 21.2 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.211 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132788.D

Acq: 14 Mar 2023 20:28

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1-COMP

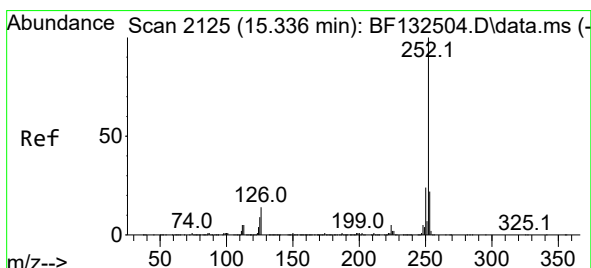
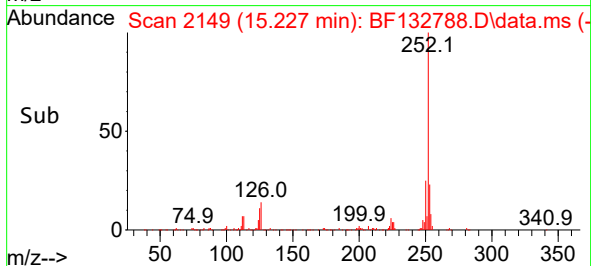
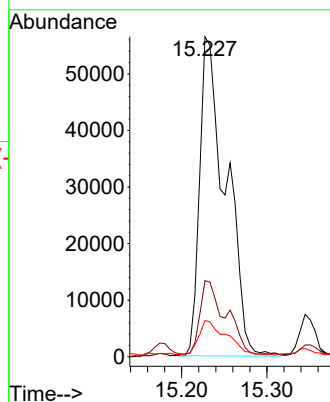
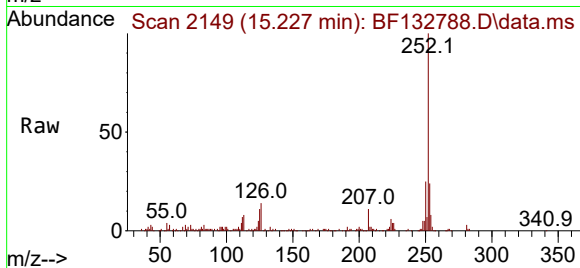
Tgt Ion:252 Resp: 120900

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 11.3 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 4.303 ng

RT: 15.227 min Scan# 2149

Delta R.T. -0.041 min

Lab File: BF132788.D

Acq: 14 Mar 2023 20:28

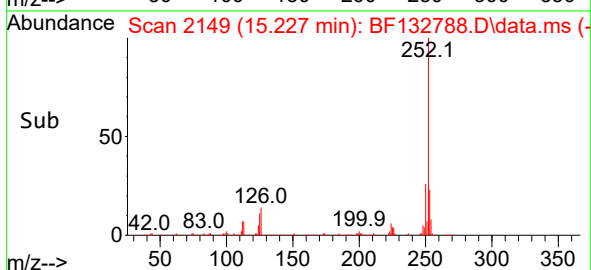
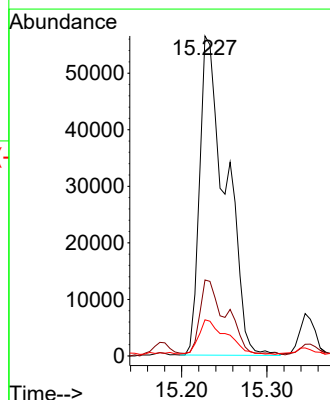
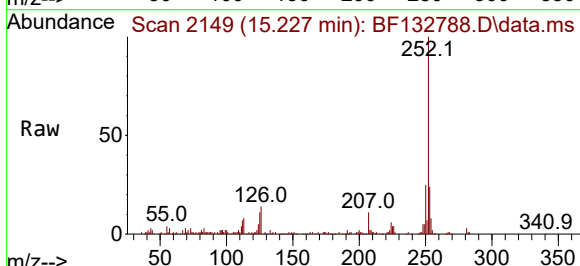
Tgt Ion:252 Resp: 120900

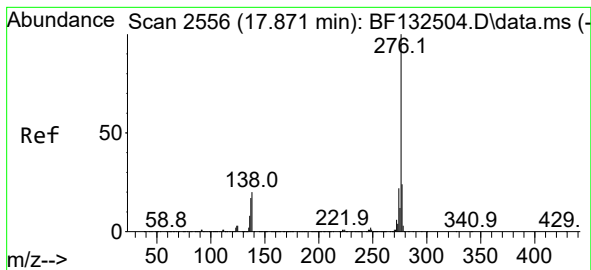
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.3 7.2 10.8#





#92

Benzo(g,h,i)perylene

Concen: 2.902 ng

RT: 17.739 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF132788.D

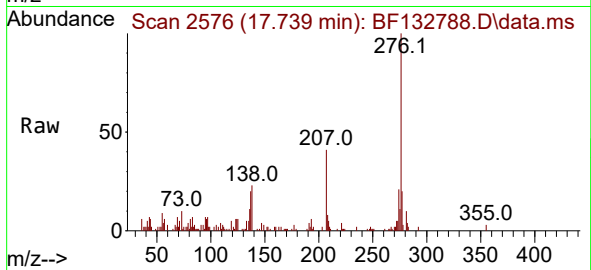
Acq: 14 Mar 2023 20:28

Instrument :

BNA_F

ClientSampleId :

SAMPLE-1-COMP



Tgt Ion:276 Resp: 34440

Ion Ratio Lower Upper

276 100

277 20.2 18.9 28.3

138 23.3 16.2 24.4

