

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021623\
 Data File : BF132445.D
 Acq On : 16 Feb 2023 21:34
 Operator : CG\JU
 Sample : 01572-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

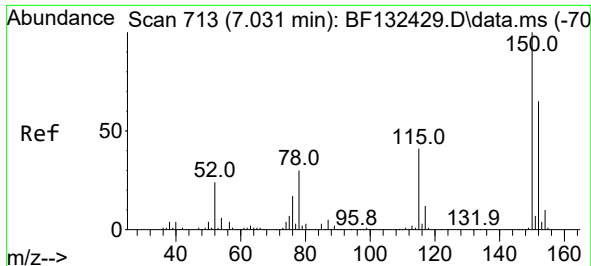
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

Quant Time: Feb 17 04:46:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 03:08:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.031	152	198414	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	724369	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	364122	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	633561	20.000	ng	0.00
76) Chrysene-d12	14.230	240	381088	20.000	ng	#-0.01
86) Perylene-d12	15.795	264	343324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1224234	98.867	ng	0.00
7) Phenol-d6	6.648	99	1577533	97.567	ng	0.00
23) Nitrobenzene-d5	7.590	82	1020793	67.712	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	334760	92.144	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1365401	57.909	ng	0.00
79) Terphenyl-d14	13.166	244	1171170	55.970	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.666	93	110028	4.885	ng	# 51
9) Benzaldehyde	6.666	77	46832	5.417	ng	# 7
11) bis(2-Chloroethyl)ether	6.666	93	110028	7.570	ng	# 22
19) n-Nitroso-di-n-propyla...	7.590	70	136346	13.755	ng	# 81
25) Isophorone	7.590	82	1020781	34.459	ng	# 68
32) Benzoic acid	8.101	122	70	7.157	ng	# 66
37) 2-Methylnaphthalene	9.025	142	98602	3.897	ng	99
38) 1-Methylnaphthalene	9.131	142	138297	5.818	ng	98
51) 2,6-Dinitrotoluene	10.078	165	49135	8.426	ng	# 20
52) Acenaphthene	10.107	154	62662	2.865	ng	96
57) 2,4-Dinitrotoluene	10.078	165	49135	6.401	ng	# 21
63) Azobenzene	10.789	77	271272	9.301	ng	# 1
67) 4-Bromophenyl-phenylether	10.872	248	22533	3.245	ng	# 1
71) Phenanthrene	11.595	178	227780	6.980	ng	99
72) Anthracene	11.648	178	76830	2.290	ng	97
75) Fluoranthene	12.795	202	425524	11.693	ng	99
78) Pyrene	13.024	202	358085	11.061	ng	100
81) Benzo(a)anthracene	14.219	228	211550	7.579	ng	99
83) Chrysene	14.254	228	195503	7.331	ng	97
84) Bis(2-ethylhexyl)phtha...	14.195	149	40631	2.598	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.401	276	83911	3.823	ng	97
88) Benzo(b)fluoranthene	15.324	252	329103	14.577	ng	# 96
89) Benzo(k)fluoranthene	15.324	252	329103	14.566	ng	# 96
90) Benzo(a)pyrene	15.724	252	158936	7.575	ng	95
92) Benzo(g,h,i)perylene	17.895	276	79894	4.304	ng	99

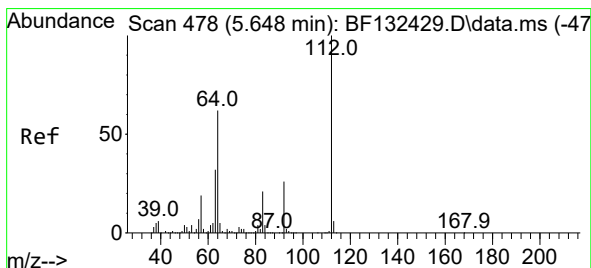
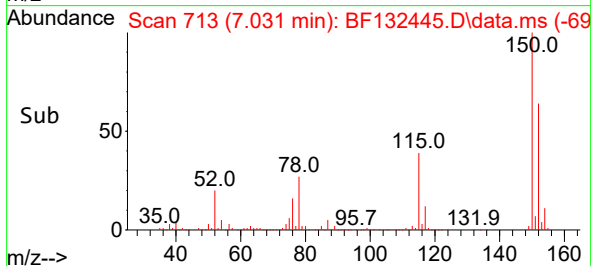
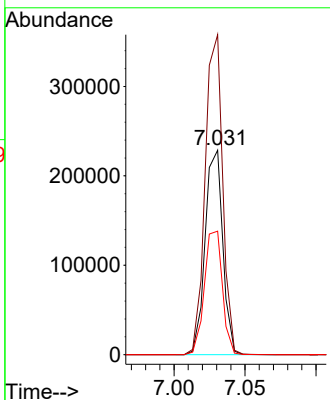
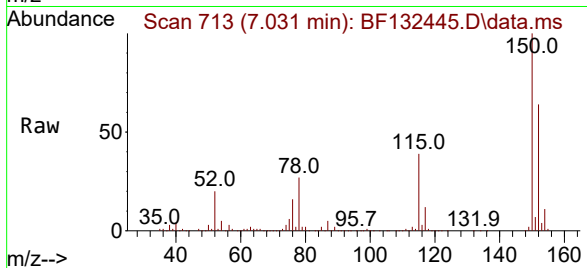
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.031 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

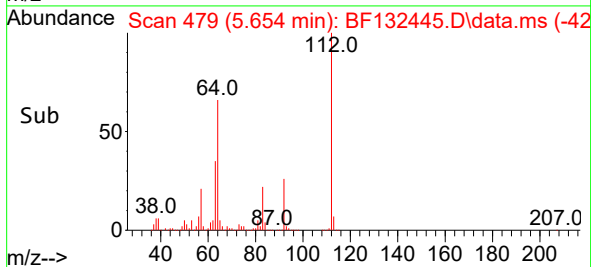
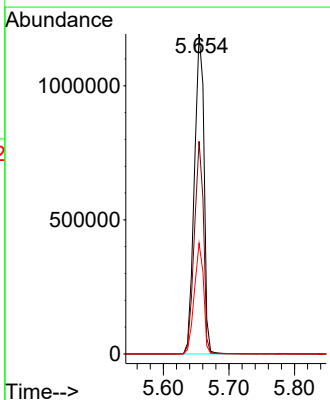
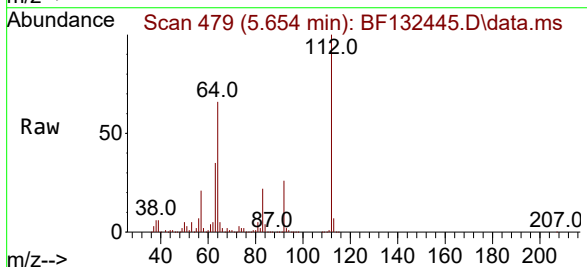
Instrument :
BNA_F
ClientSampleId :
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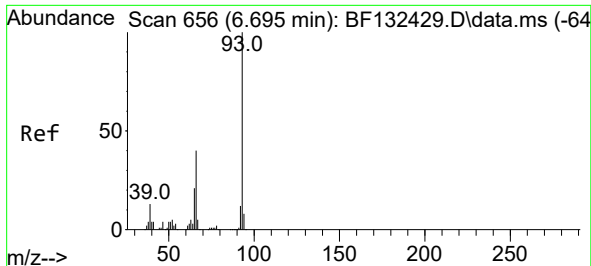
Tgt Ion:152 Resp: 198414
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.8
115 60.4 50.4 75.6



#5
2-Fluorophenol
Concen: 98.867 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:112 Resp: 1224234
Ion Ratio Lower Upper
112 100
64 66.5 49.7 74.5
63 34.6 25.8 38.8





#6

Aniline

Concen: 4.885 ng

RT: 6.666 min Scan# 6

Delta R.T. -0.029 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

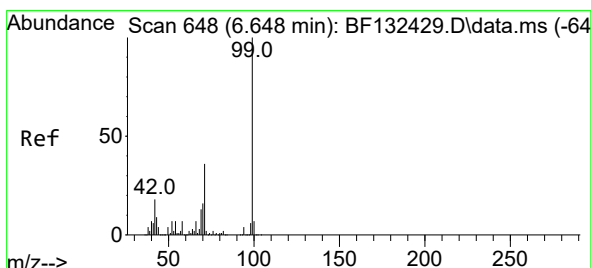
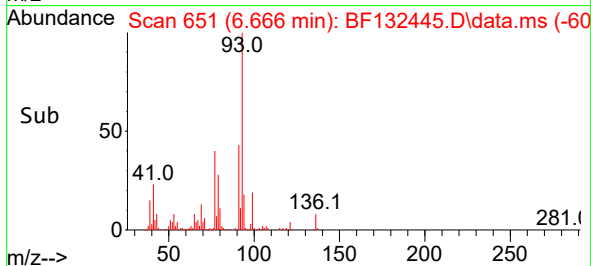
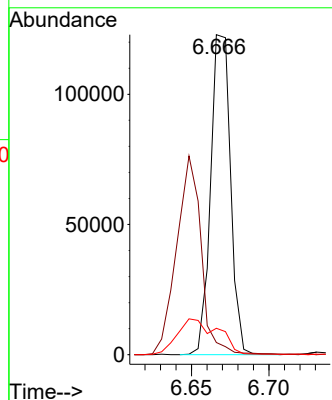
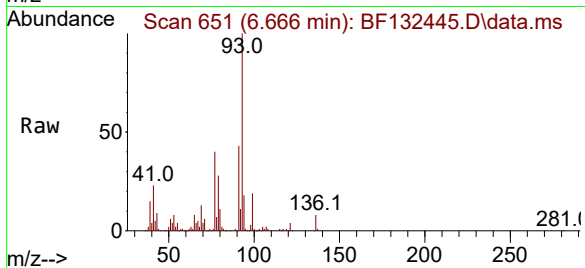
Tgt Ion: 93 Resp: 110028

Ion Ratio Lower Upper

93 100

66 3.8 32.7 49.1#

65 8.3 17.1 25.7#



#7

Phenol-d6

Concen: 97.567 ng

RT: 6.648 min Scan# 648

Delta R.T. 0.000 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

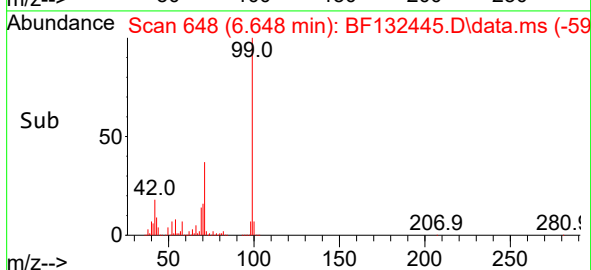
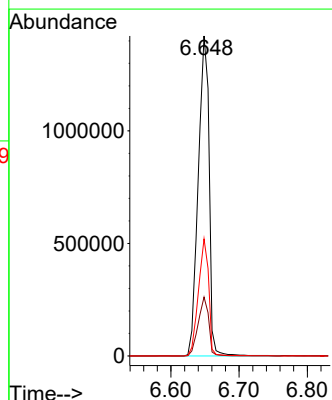
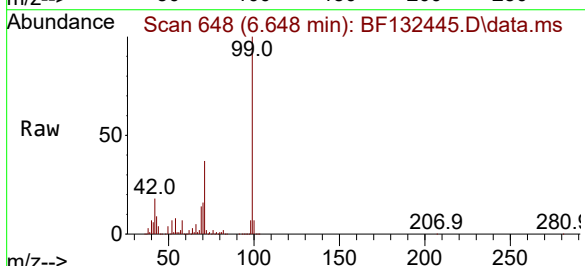
Tgt Ion: 99 Resp: 1577533

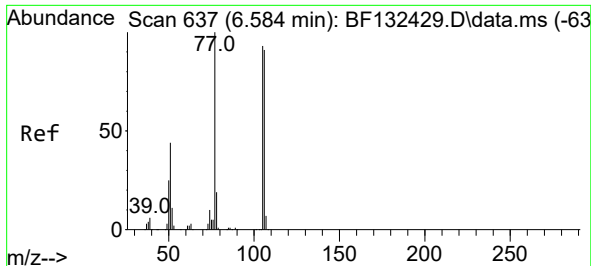
Ion Ratio Lower Upper

99 100

42 18.4 14.6 21.8

71 36.6 28.7 43.1

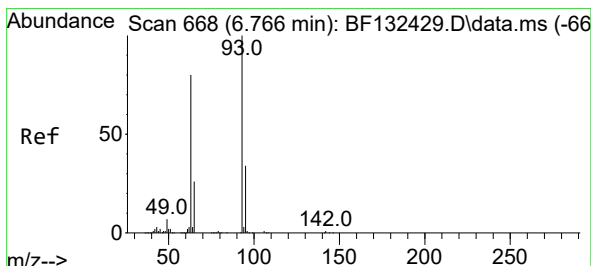
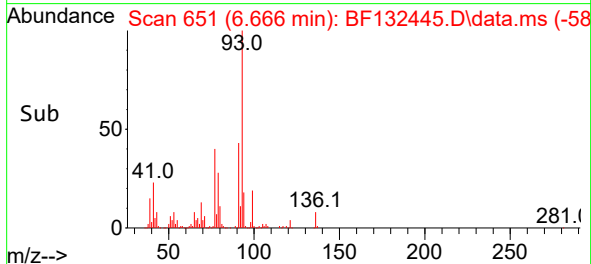
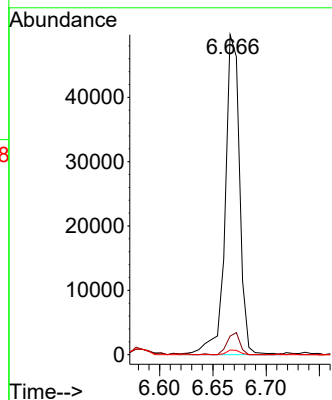
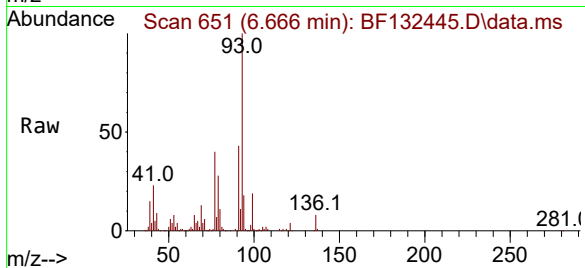




#9
Benzaldehyde
Concen: 5.417 ng
RT: 6.666 min Scan# 611
Delta R.T. 0.082 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

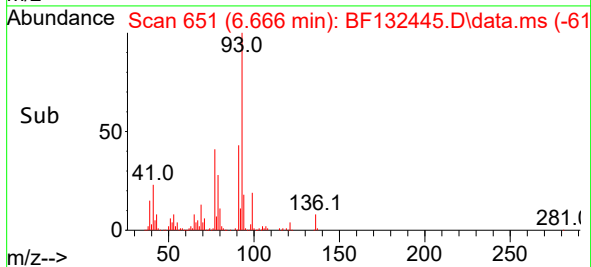
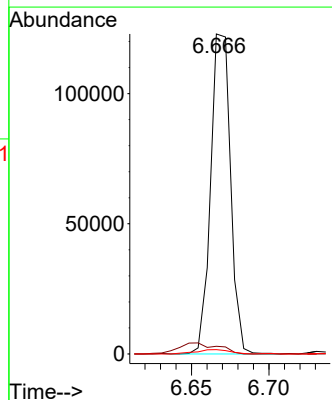
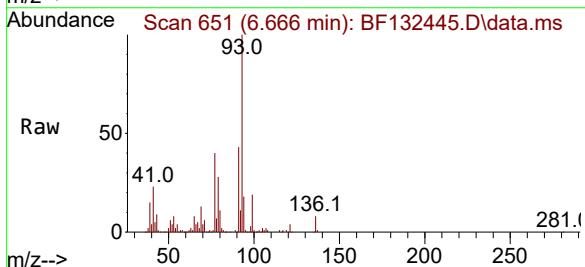
Instrument :
BNA_F
ClientSampleId :
RBR-200028

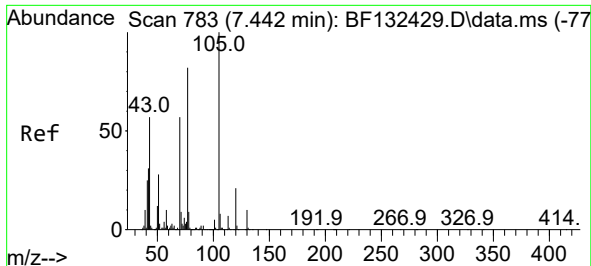
Tgt Ion: 77 Resp: 46832
Ion Ratio Lower Upper
77 100
105 5.8 73.2 113.2#
106 1.4 71.5 111.5#



#11
bis(2-Chloroethyl)ether
Concen: 7.570 ng
RT: 6.666 min Scan# 651
Delta R.T. -0.100 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion: 93 Resp: 110028
Ion Ratio Lower Upper
93 100
63 2.4 58.6 98.6#
95 1.3 13.5 53.5#

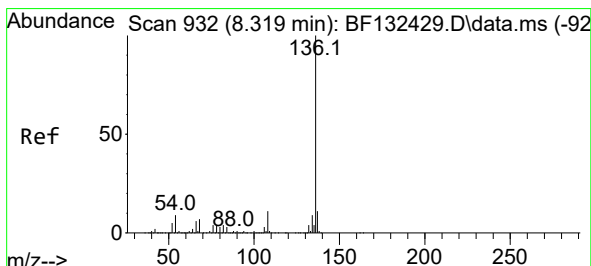
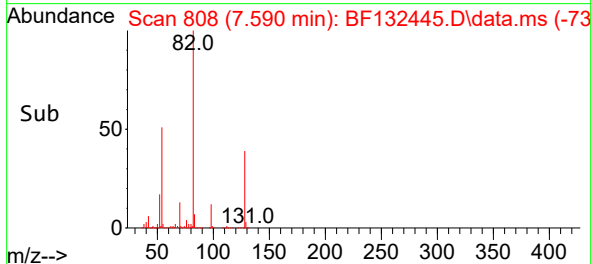
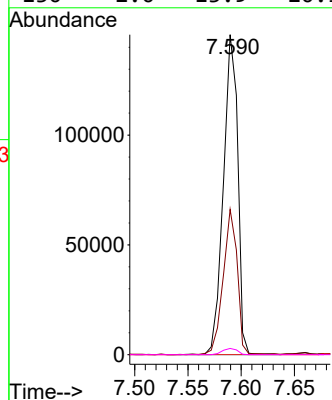
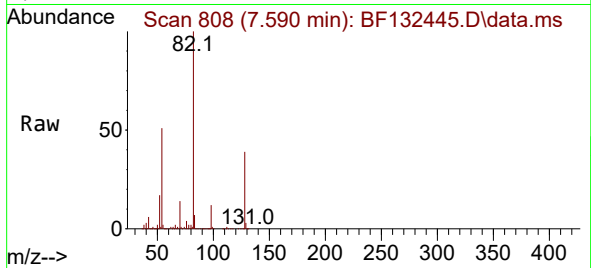




#19
n-Nitroso-di-n-propylamine
Concen: 13.755 ng
RT: 7.590 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

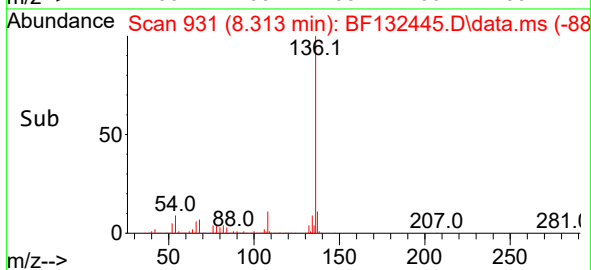
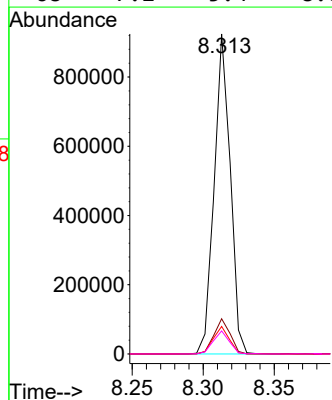
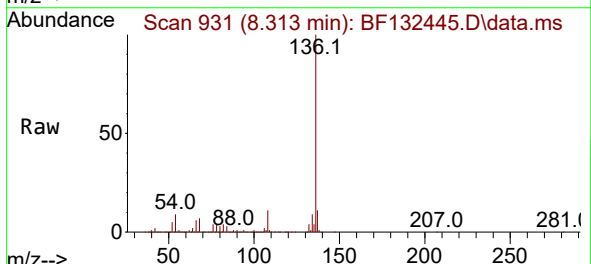
Instrument :
BNA_F
ClientSampleId :
RBR-200028

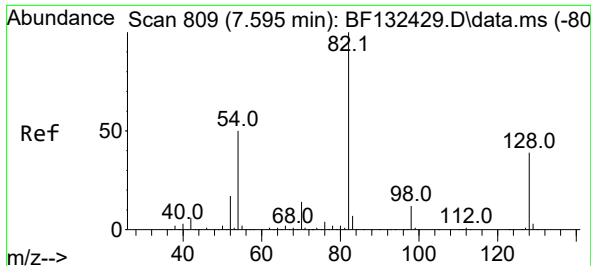
Tgt Ion: 70 Resp: 136346
Ion Ratio Lower Upper
70 100
42 45.4 43.5 65.3
101 0.0 7.3 10.9#
130 2.0 13.9 20.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:136 Resp: 724369
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 6.9 10.3
68 7.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 67.712 ng

RT: 7.590 min Scan# 808

Delta R.T. -0.006 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

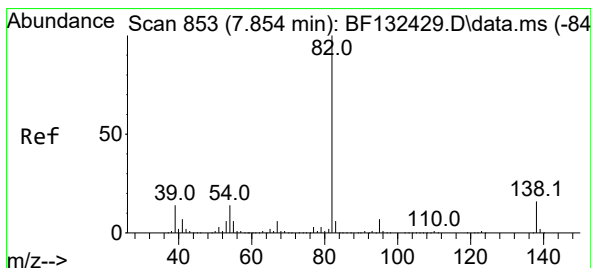
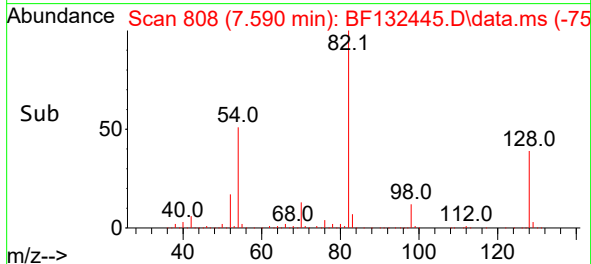
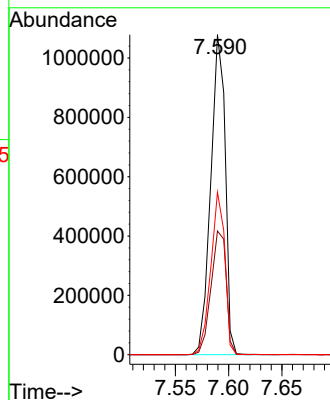
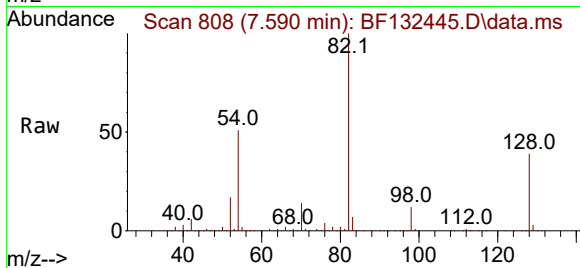
BNA_F

ClientSampleId :

RBR-200028

Tgt Ion: 82 Resp: 1020793

Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.8	46.2
54	50.8	40.2	60.4



#25

Isophorone

Concen: 34.459 ng

RT: 7.590 min Scan# 808

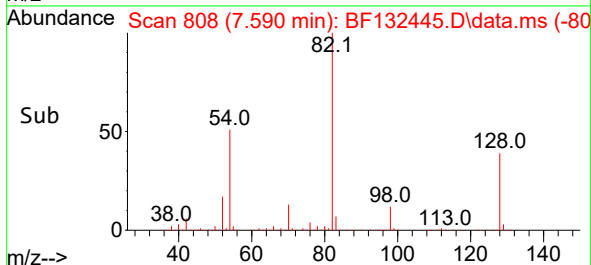
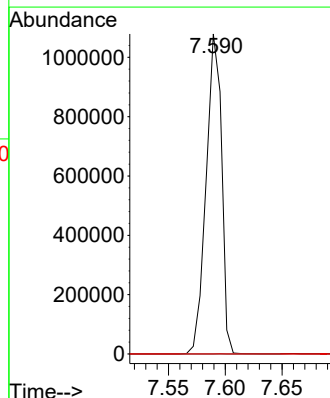
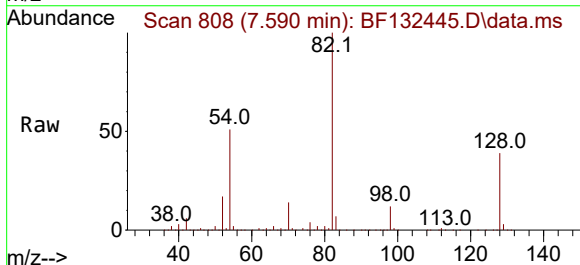
Delta R.T. -0.265 min

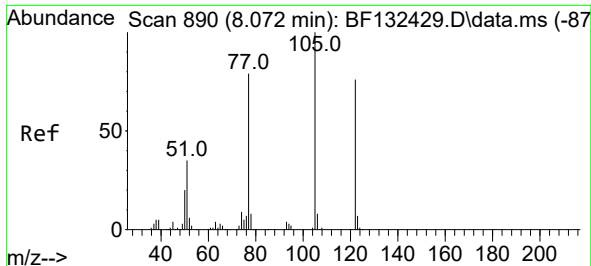
Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Tgt Ion: 82 Resp: 1020781

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	12.7	19.1#

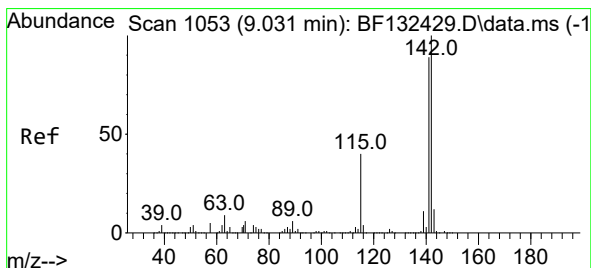
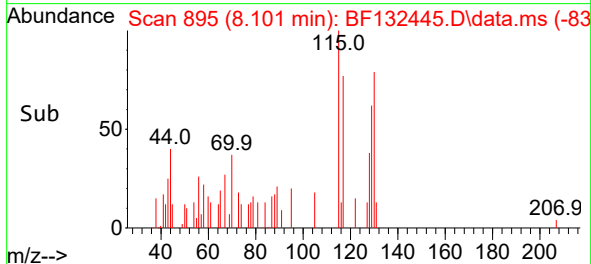
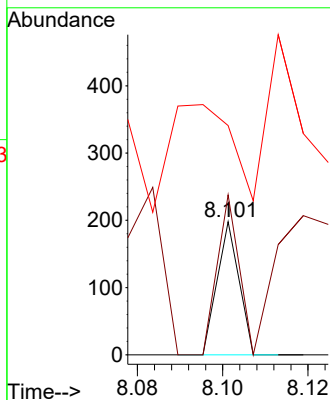
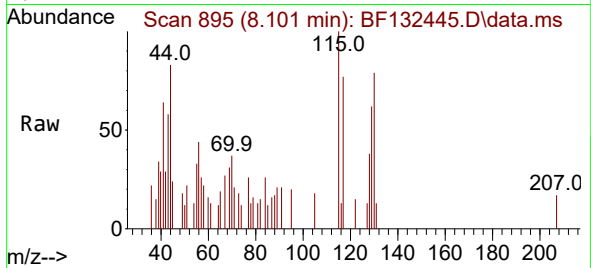




#32
Benzoic acid
Concen: 7.157 ng
RT: 8.101 min Scan# 890
Delta R.T. 0.029 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

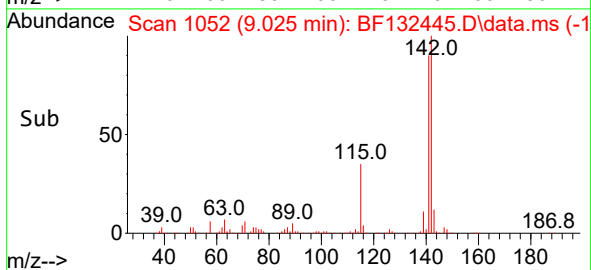
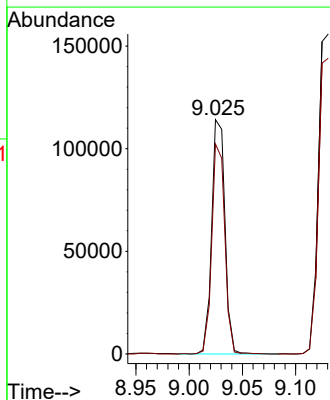
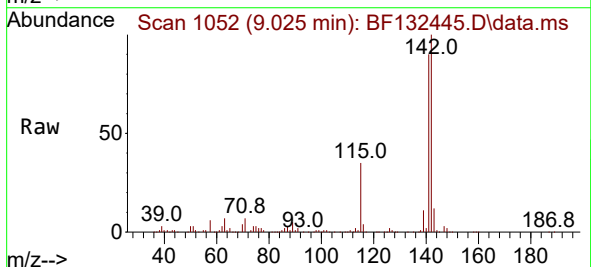
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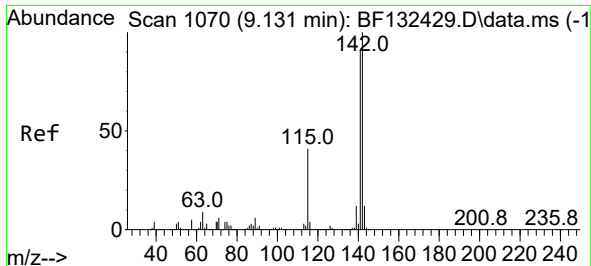
Tgt Ion:122 Resp: 70
Ion Ratio Lower Upper
122 100
105 120.2 109.7 149.7
77 172.2 83.8 123.8#



#37
2-Methylnaphthalene
Concen: 3.897 ng
RT: 9.025 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:142 Resp: 98602
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8

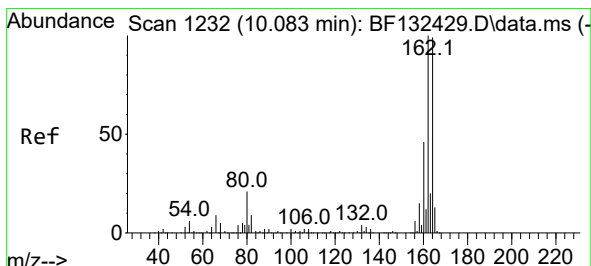
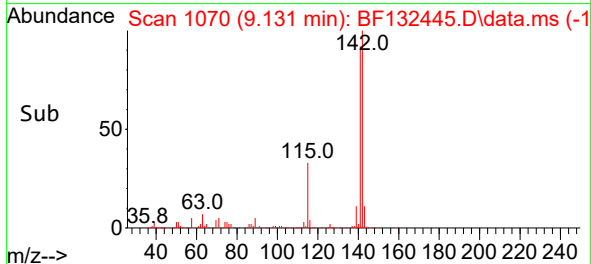
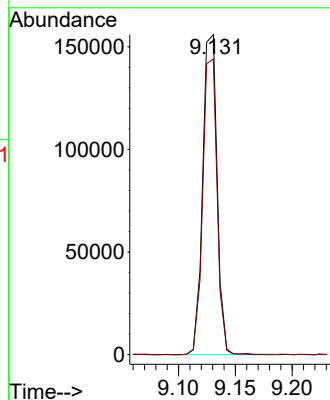
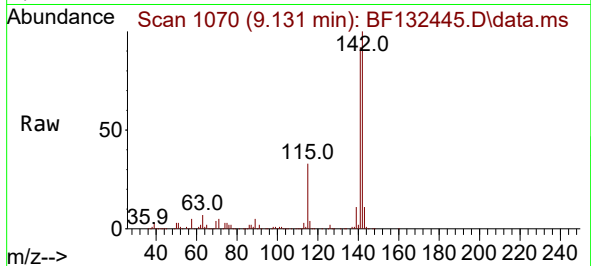




#38
1-Methylnaphthalene
Concen: 5.818 ng
RT: 9.131 min Scan# 1070
Delta R.T. -0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

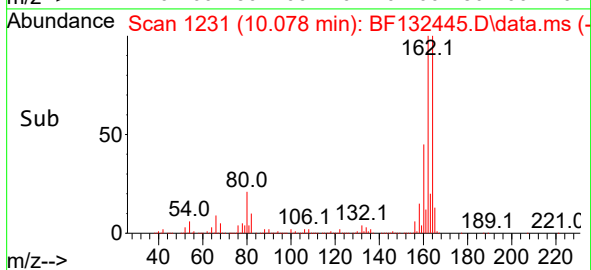
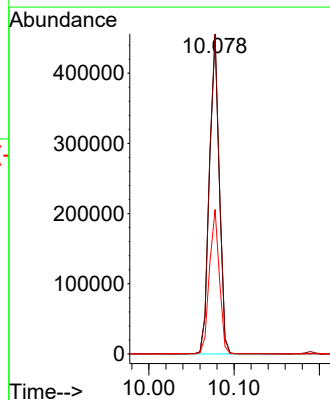
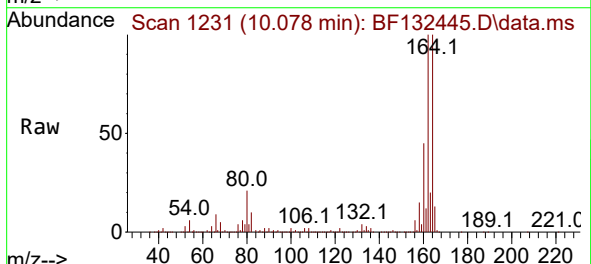
Instrument :
BNA_F
ClientSampleId :
RBR-200028

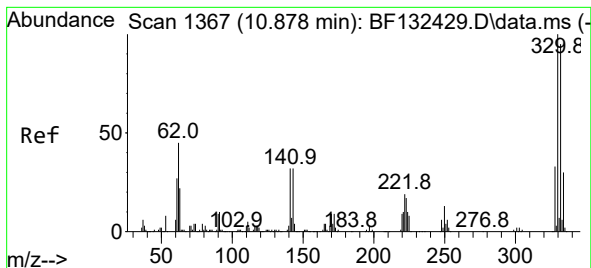
Tgt Ion:142 Resp: 138297
Ion Ratio Lower Upper
142 100
141 92.4 72.7 109.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:164 Resp: 364122
Ion Ratio Lower Upper
164 100
162 100.5 80.8 121.2
160 45.4 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 92.144 ng

RT: 10.872 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

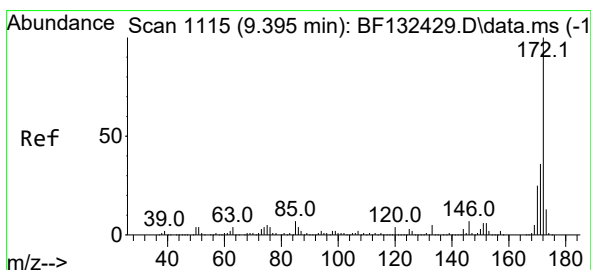
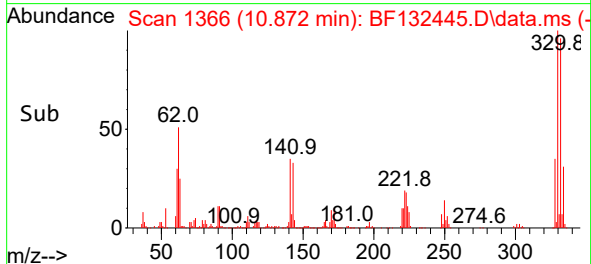
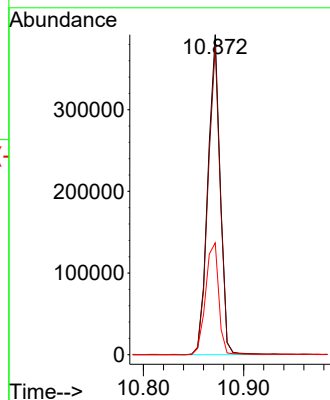
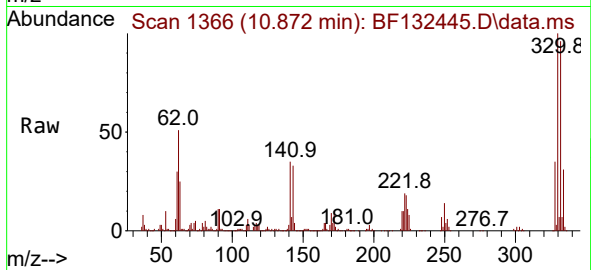
Tgt Ion:330 Resp: 334760

Ion Ratio Lower Upper

330 100

332 96.1 76.3 114.5

141 37.2 30.3 45.5



#45

2-Fluorobiphenyl

Concen: 57.909 ng

RT: 9.389 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

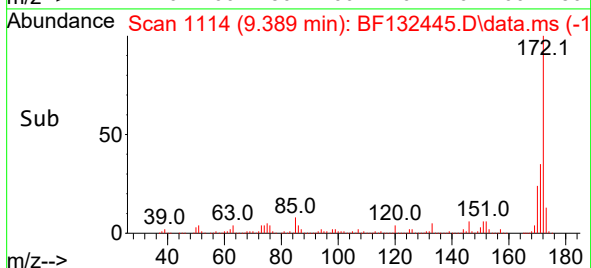
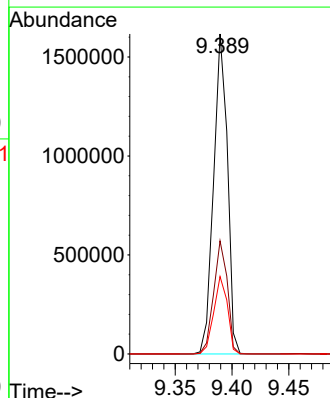
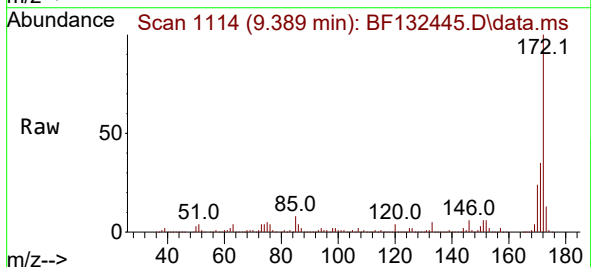
Tgt Ion:172 Resp: 1365401

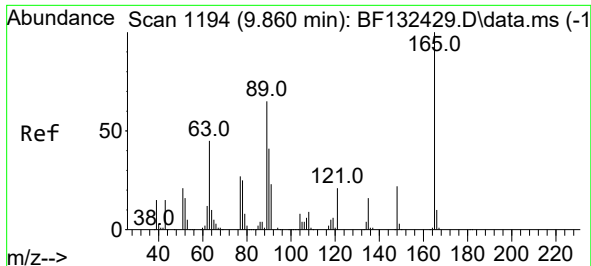
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 24.2 19.9 29.9

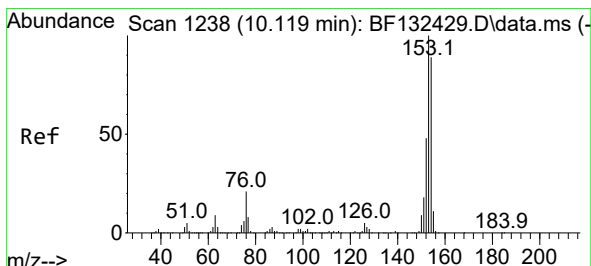
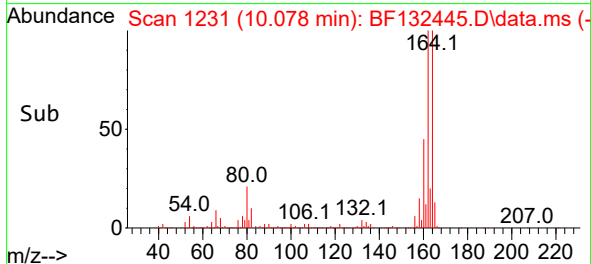
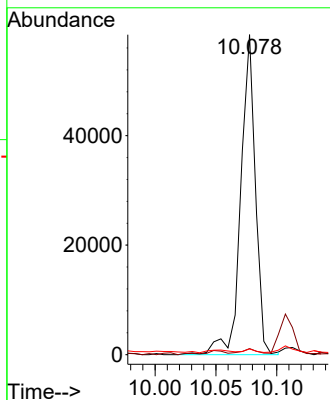
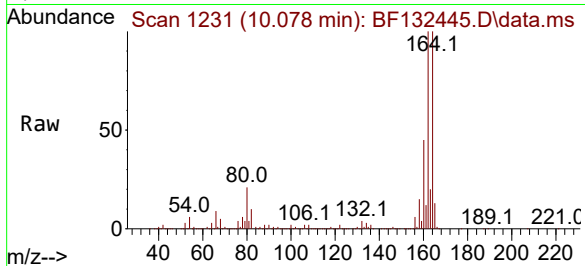




#51
2,6-Dinitrotoluene
Concen: 8.426 ng
RT: 10.078 min Scan# 1194
Delta R.T. 0.218 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

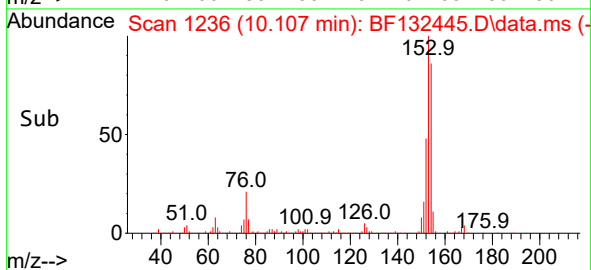
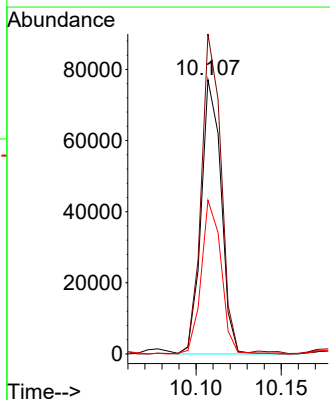
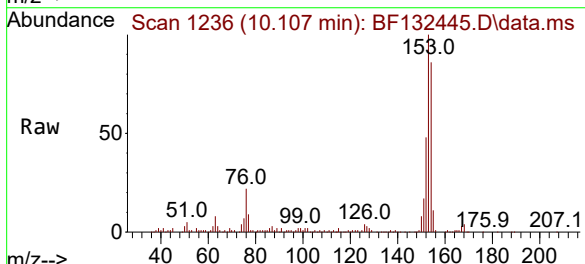
Instrument :
BNA_F
ClientSampleId :
RBR-200028

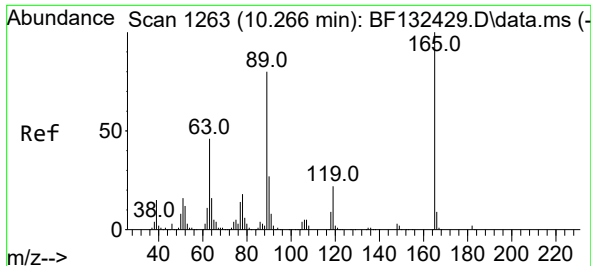
Tgt Ion:165 Resp: 49135
Ion Ratio Lower Upper
165 100
63 1.9 50.4 75.6#
89 1.8 52.2 78.2#



#52
Acenaphthene
Concen: 2.865 ng
RT: 10.107 min Scan# 1236
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:154 Resp: 62662
Ion Ratio Lower Upper
154 100
153 116.7 89.7 134.5
152 56.1 43.4 65.0

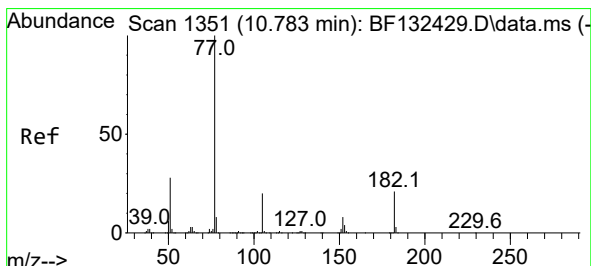
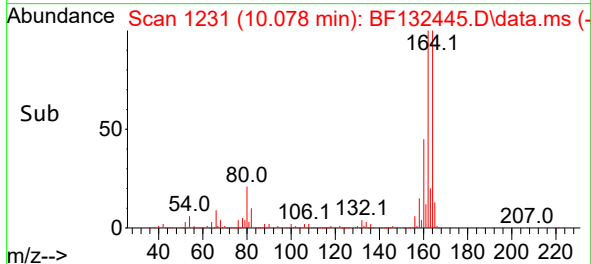
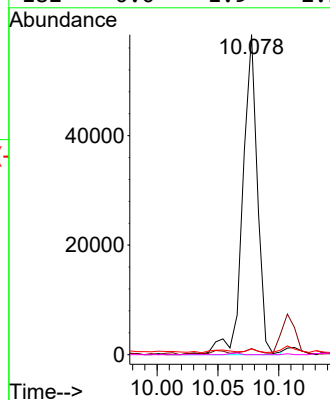
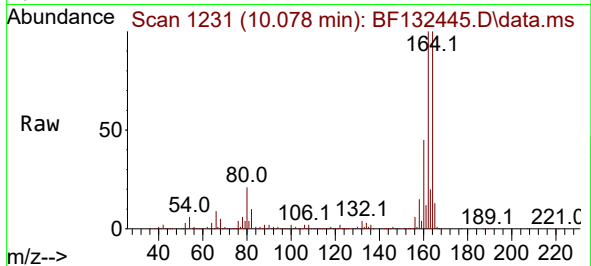




#57
2,4-Dinitrotoluene
Concen: 6.401 ng
RT: 10.078 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

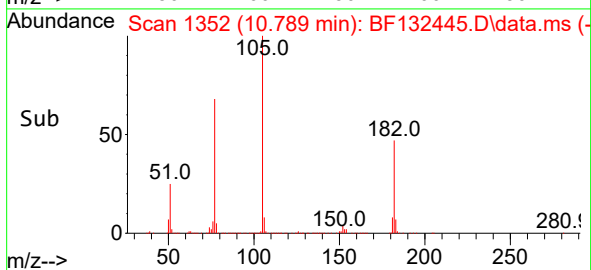
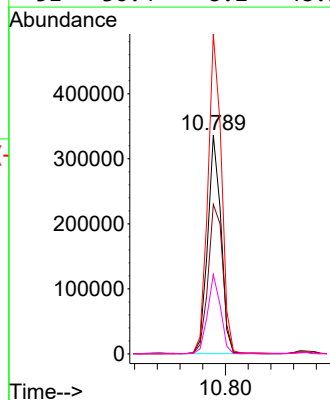
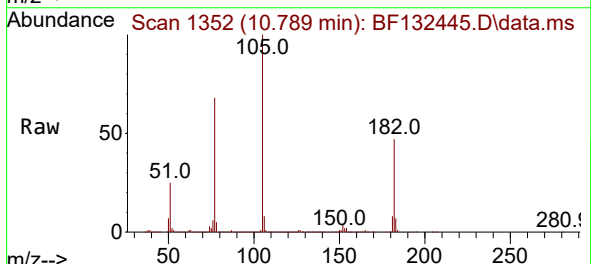
Instrument :
BNA_F
ClientSampleId :
RBR-200028

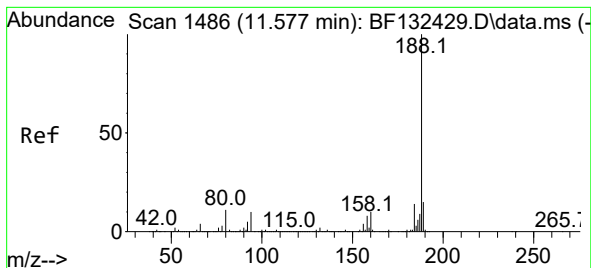
Tgt Ion:165 Resp: 49135
Ion Ratio Lower Upper
165 100
63 1.9 37.1 55.7#
89 1.8 63.6 95.4#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 9.301 ng
RT: 10.789 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion: 77 Resp: 271272
Ion Ratio Lower Upper
77 100
182 68.4 1.4 41.4#
105 146.2 0.1 40.1#
51 36.4 8.2 48.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.572 min Scan# 1486

Delta R.T. -0.006 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

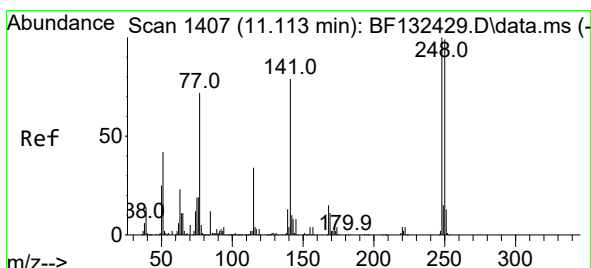
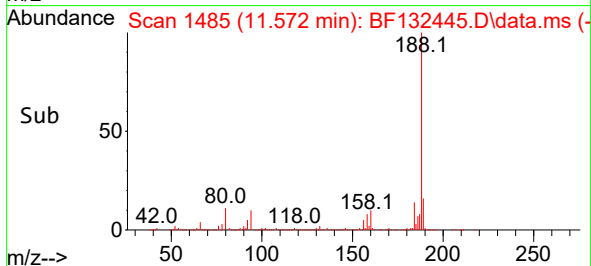
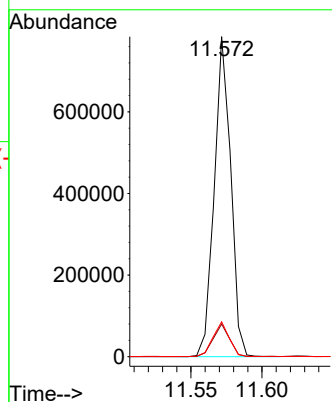
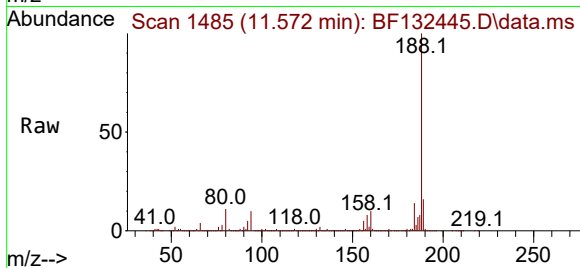
Tgt Ion:188 Resp: 633561

Ion Ratio Lower Upper

188 100

94 10.2 8.0 12.0

80 10.9 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.245 ng

RT: 10.872 min Scan# 1366

Delta R.T. -0.241 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

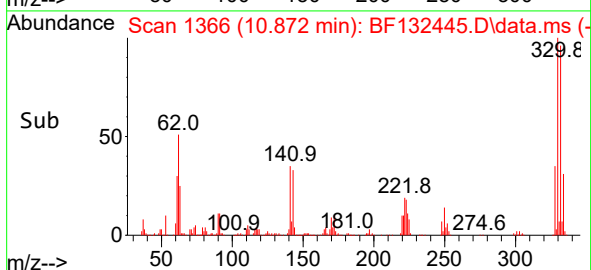
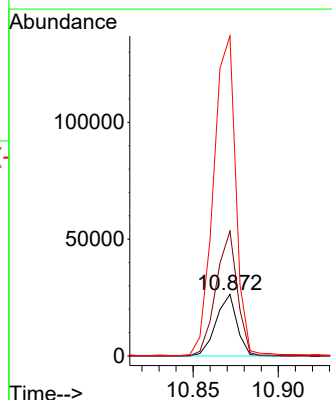
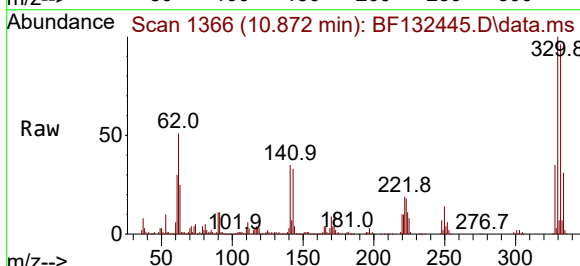
Tgt Ion:248 Resp: 22533

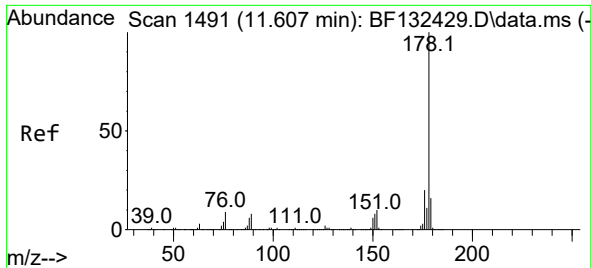
Ion Ratio Lower Upper

248 100

250 202.8 79.0 118.4#

141 519.9 63.3 94.9#

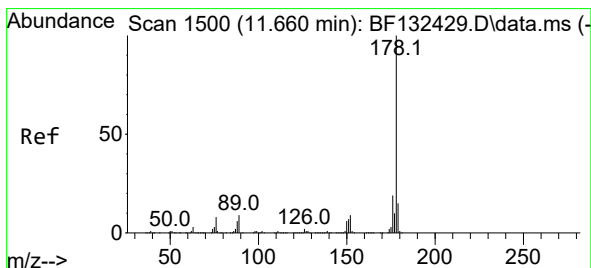
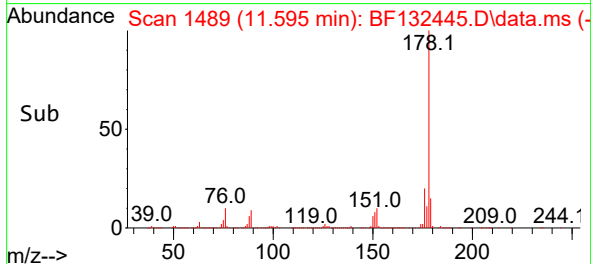
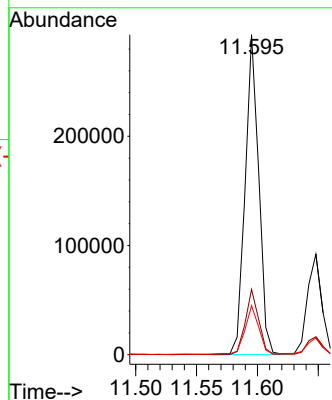
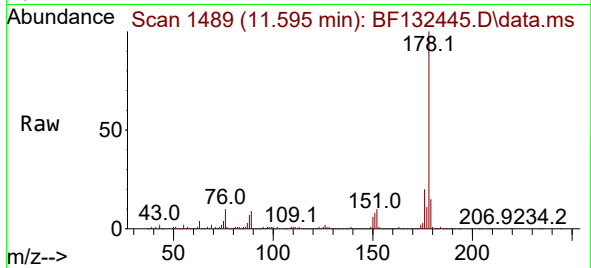




#71
Phenanthrene
Concen: 6.980 ng
RT: 11.595 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

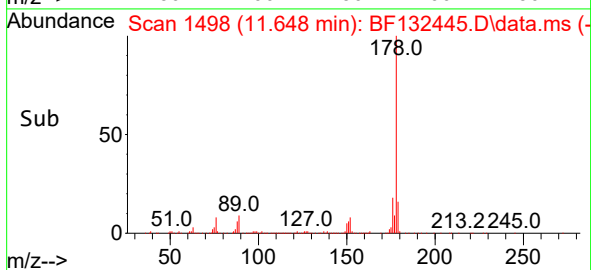
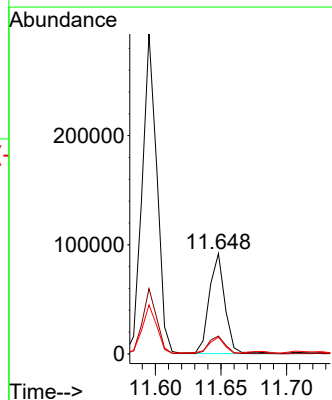
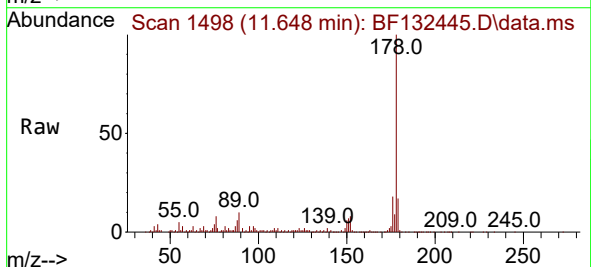
Instrument :
BNA_F
ClientSampleId :
RBR-200028

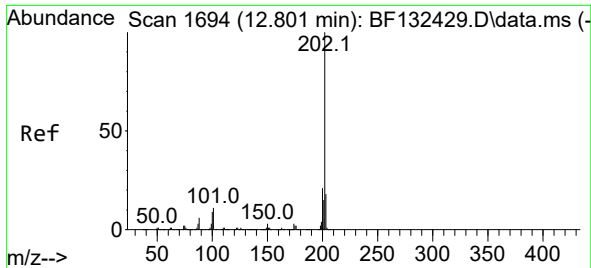
Tgt Ion:178 Resp: 227780
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.2
179 15.3 12.6 18.8



#72
Anthracene
Concen: 2.290 ng
RT: 11.648 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:178 Resp: 76830
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 16.7 12.4 18.6

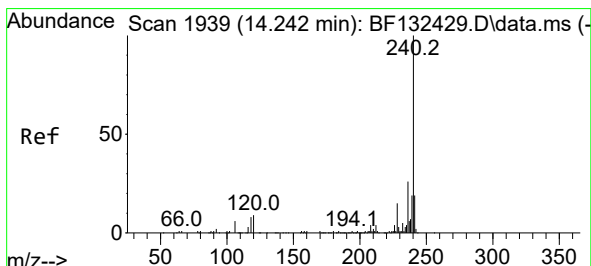
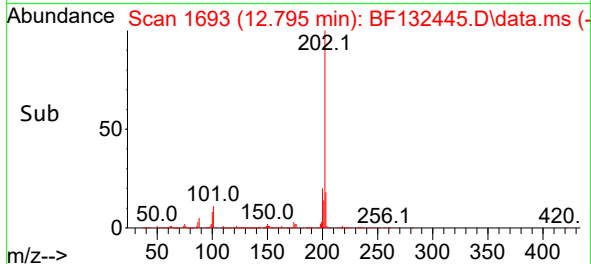
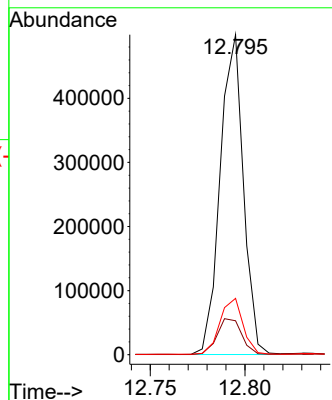
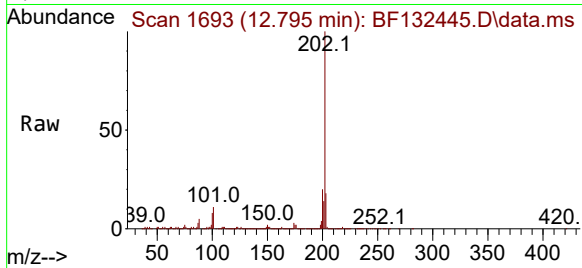




#75
Fluoranthene
Concen: 11.693 ng
RT: 12.795 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

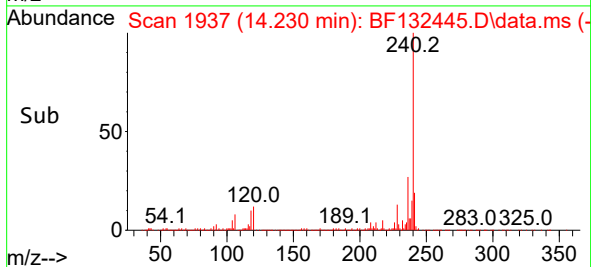
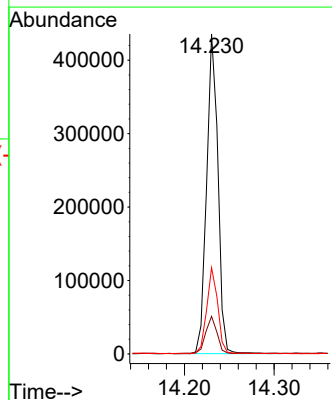
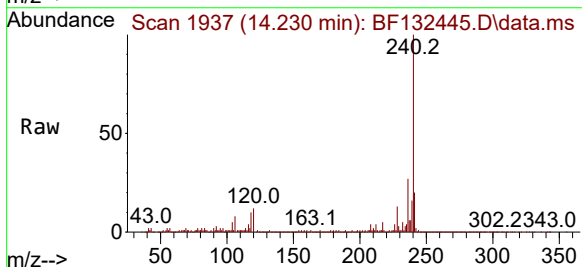
Instrument :
BNA_F
ClientSampleId :
RBR-200028

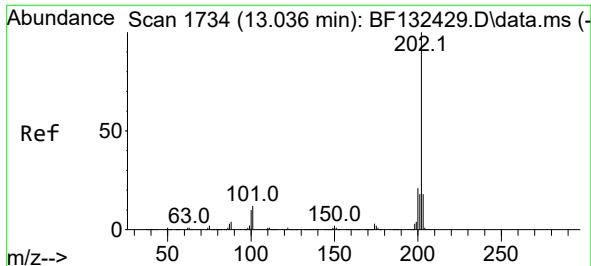
Tgt Ion:202 Resp: 425524
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:240 Resp: 381088
Ion Ratio Lower Upper
240 100
120 11.7 7.5 11.3#
236 26.9 21.0 31.6

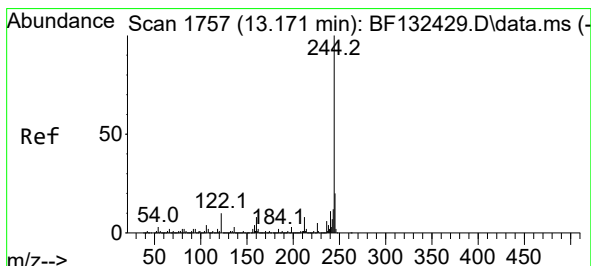
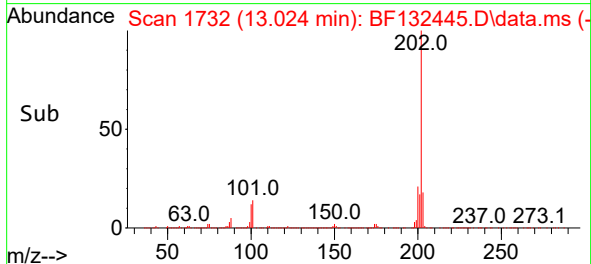
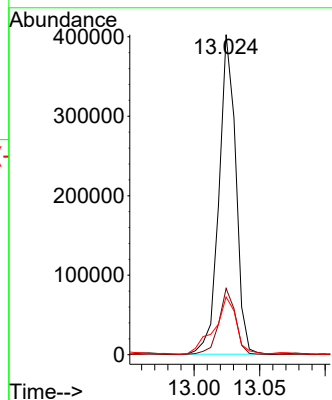
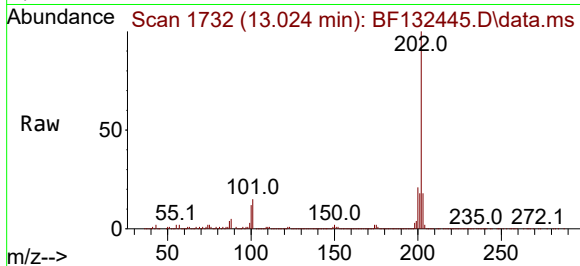




#78
 Pyrene
 Concen: 11.061 ng
 RT: 13.024 min Scan# 1732
 Delta R.T. -0.012 min
 Lab File: BF132445.D
 Acq: 16 Feb 2023 21:34

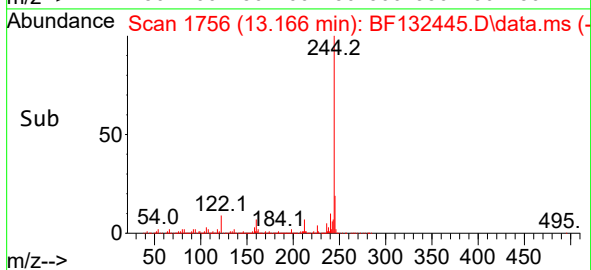
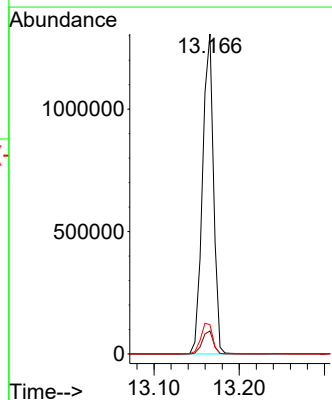
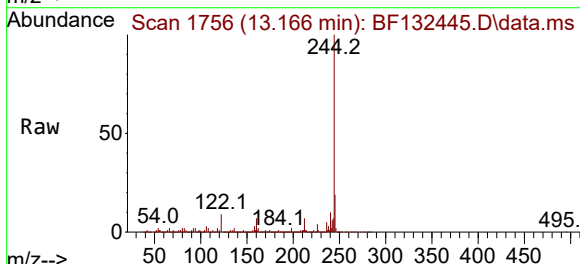
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

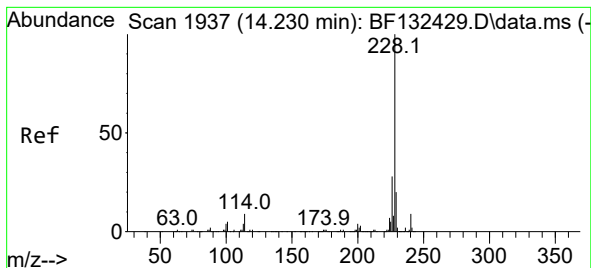
Tgt Ion:202 Resp: 358085
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 18.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 55.970 ng
 RT: 13.166 min Scan# 1756
 Delta R.T. -0.006 min
 Lab File: BF132445.D
 Acq: 16 Feb 2023 21:34

Tgt Ion:244 Resp: 1171170
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.7 10.1
 122 9.2 7.7 11.5





#81

Benzo(a)anthracene

Concen: 7.579 ng

RT: 14.219 min Scan# 1935

Delta R.T. -0.012 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

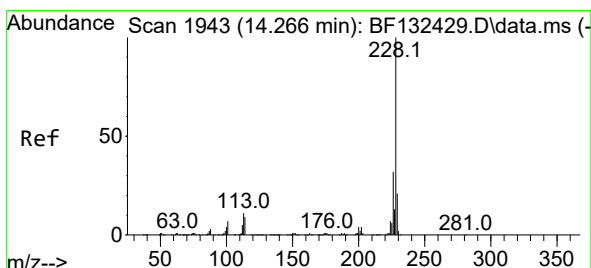
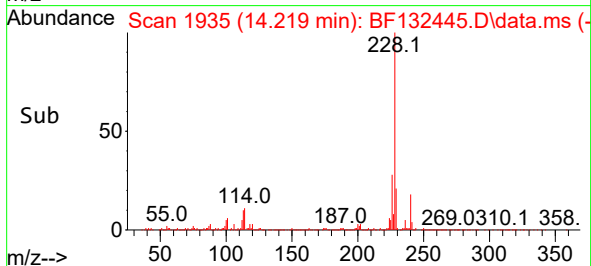
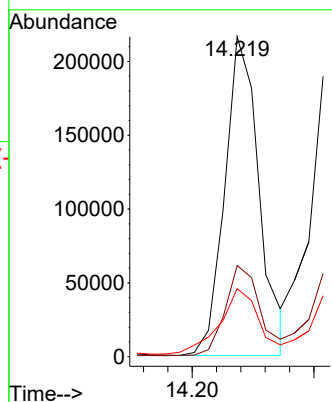
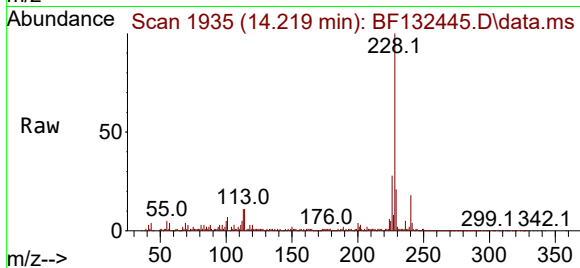
Tgt Ion:228 Resp: 211550

Ion Ratio Lower Upper

228 100

226 28.5 22.6 34.0

229 21.3 16.2 24.4



#83

Chrysene

Concen: 7.331 ng

RT: 14.254 min Scan# 1941

Delta R.T. -0.012 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

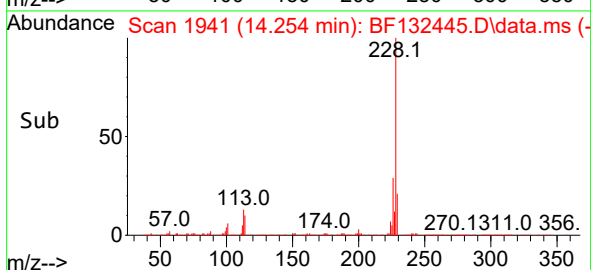
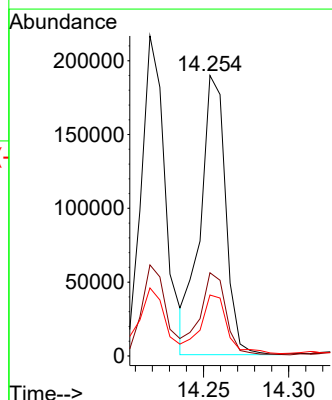
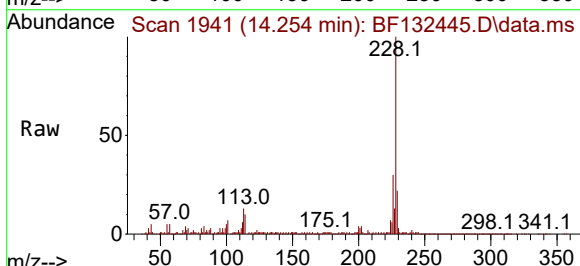
Tgt Ion:228 Resp: 195503

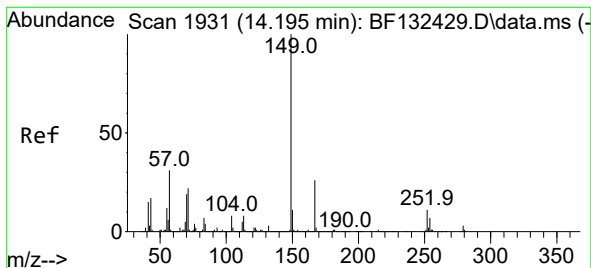
Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

229 21.7 16.6 25.0

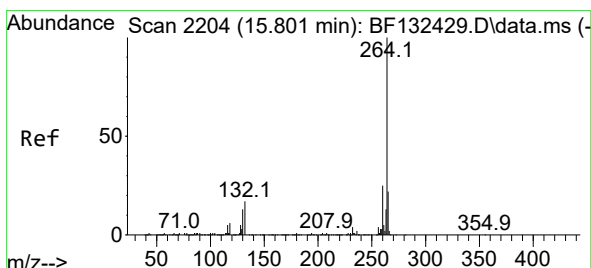
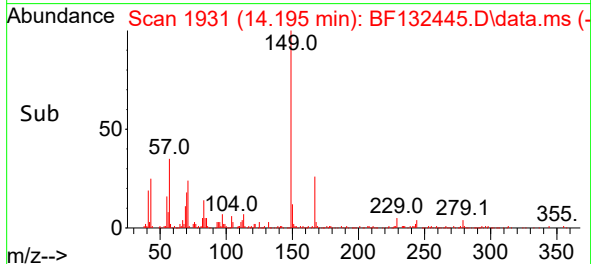
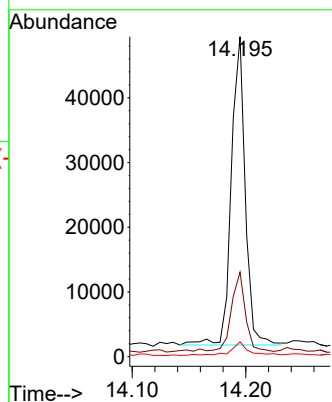
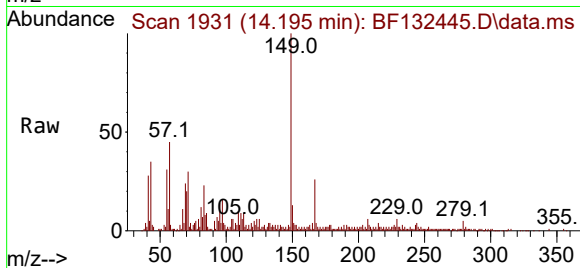




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.598 ng
RT: 14.195 min Scan# 1931
Delta R.T. 0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

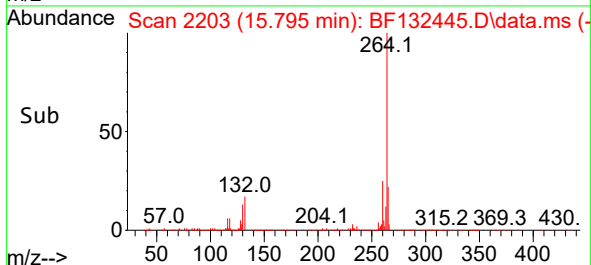
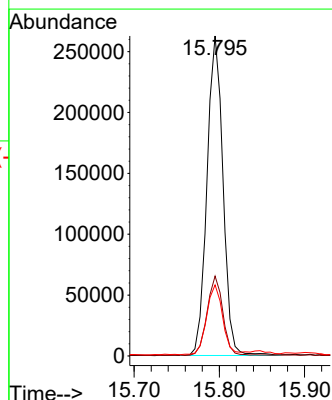
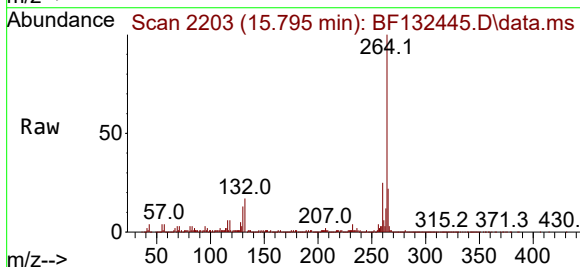
Instrument :
BNA_F
ClientSampleId :
RBR-200028

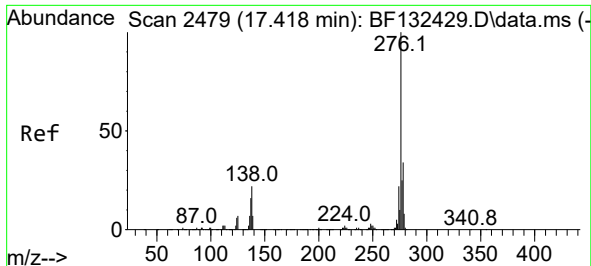
Tgt Ion:149 Resp: 40631
Ion Ratio Lower Upper
149 100
167 26.4 21.0 31.6
279 4.6 2.5 3.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.795 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:264 Resp: 343324
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 22.2 17.2 25.8

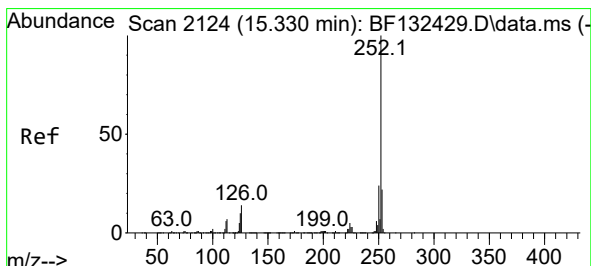
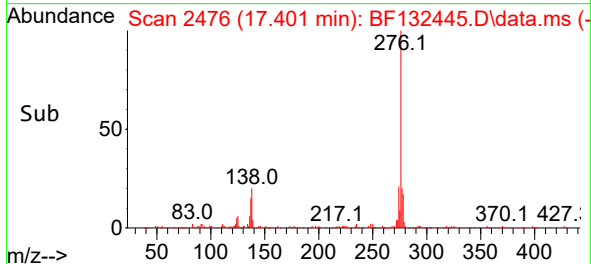
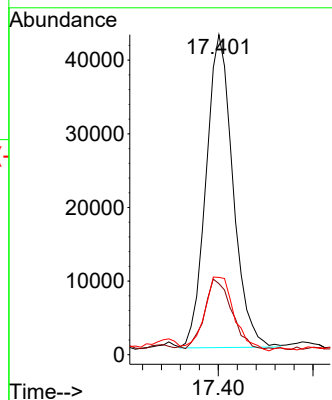
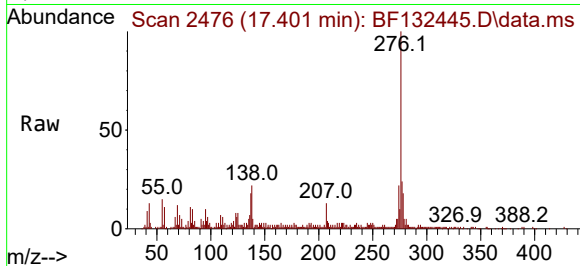




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.823 ng
RT: 17.401 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

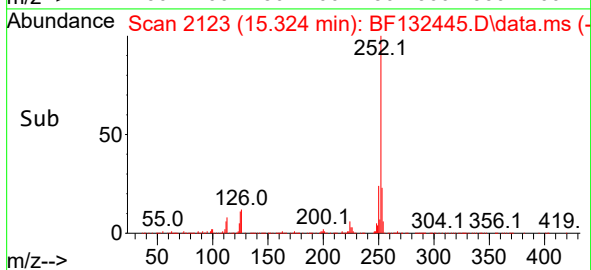
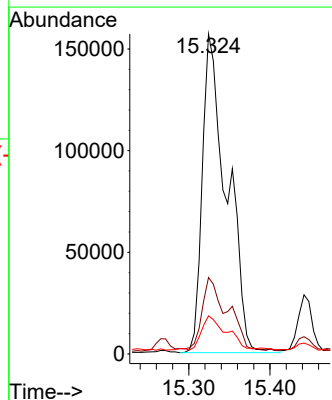
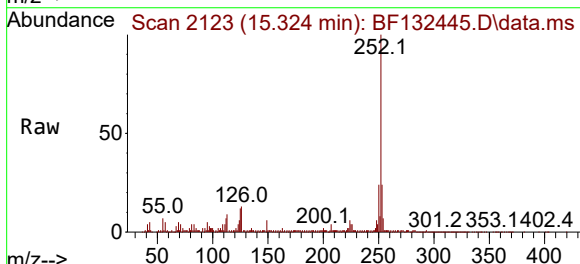
Instrument :
BNA_F
ClientSampleId :
RBR-200028

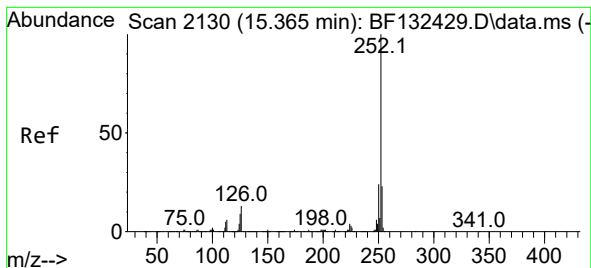
Tgt Ion:276 Resp: 83911
Ion Ratio Lower Upper
276 100
138 23.4 20.2 30.4
277 26.0 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 14.577 ng
RT: 15.324 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:252 Resp: 329103
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 11.9 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 14.566 ng

RT: 15.324 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

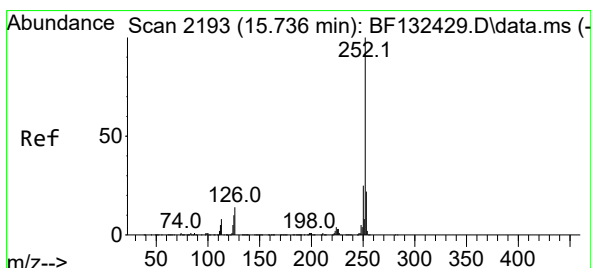
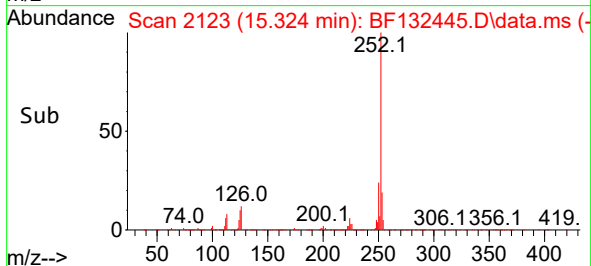
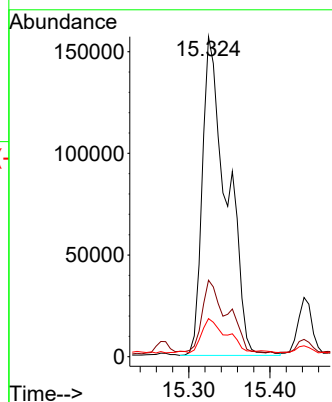
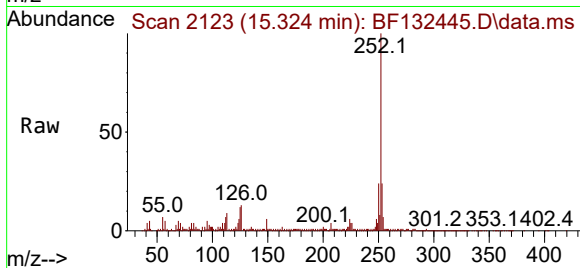
Tgt Ion:252 Resp: 329103

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

125 11.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 7.575 ng

RT: 15.724 min Scan# 2191

Delta R.T. -0.012 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

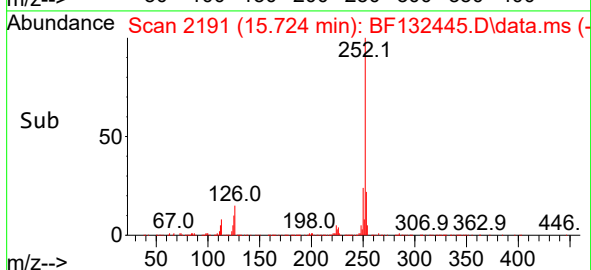
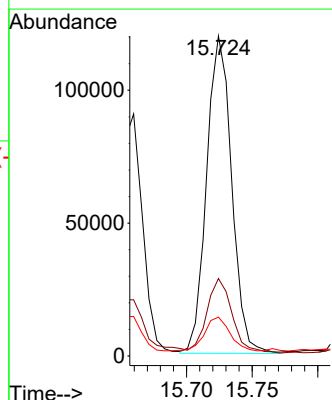
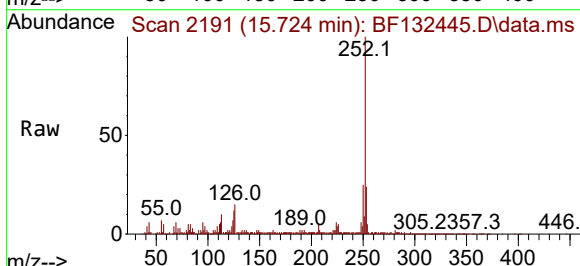
Tgt Ion:252 Resp: 158936

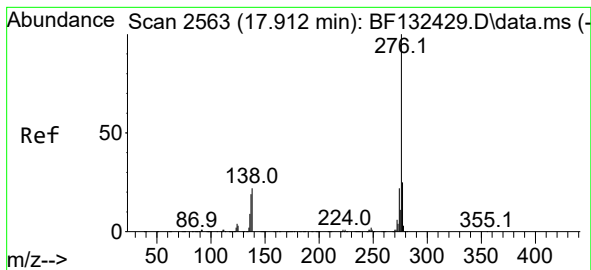
Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

125 12.1 8.2 12.4





#92

Benzo(g,h,i)perylene

Concen: 4.304 ng

RT: 17.895 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF132445.D

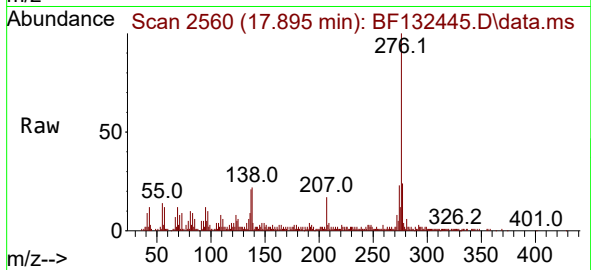
Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028



Tgt Ion:276 Resp: 79894

Ion Ratio Lower Upper

276 100

277 23.7 19.6 29.4

138 22.0 17.7 26.5

