

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082322\
 Data File : BF129951.D
 Acq On : 23 Aug 2022 13:40
 Operator : CG\JU
 Sample : N4258-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-21153

Quant Time: Aug 23 14:03:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 04:41:40 2022
 Response via : Initial Calibration

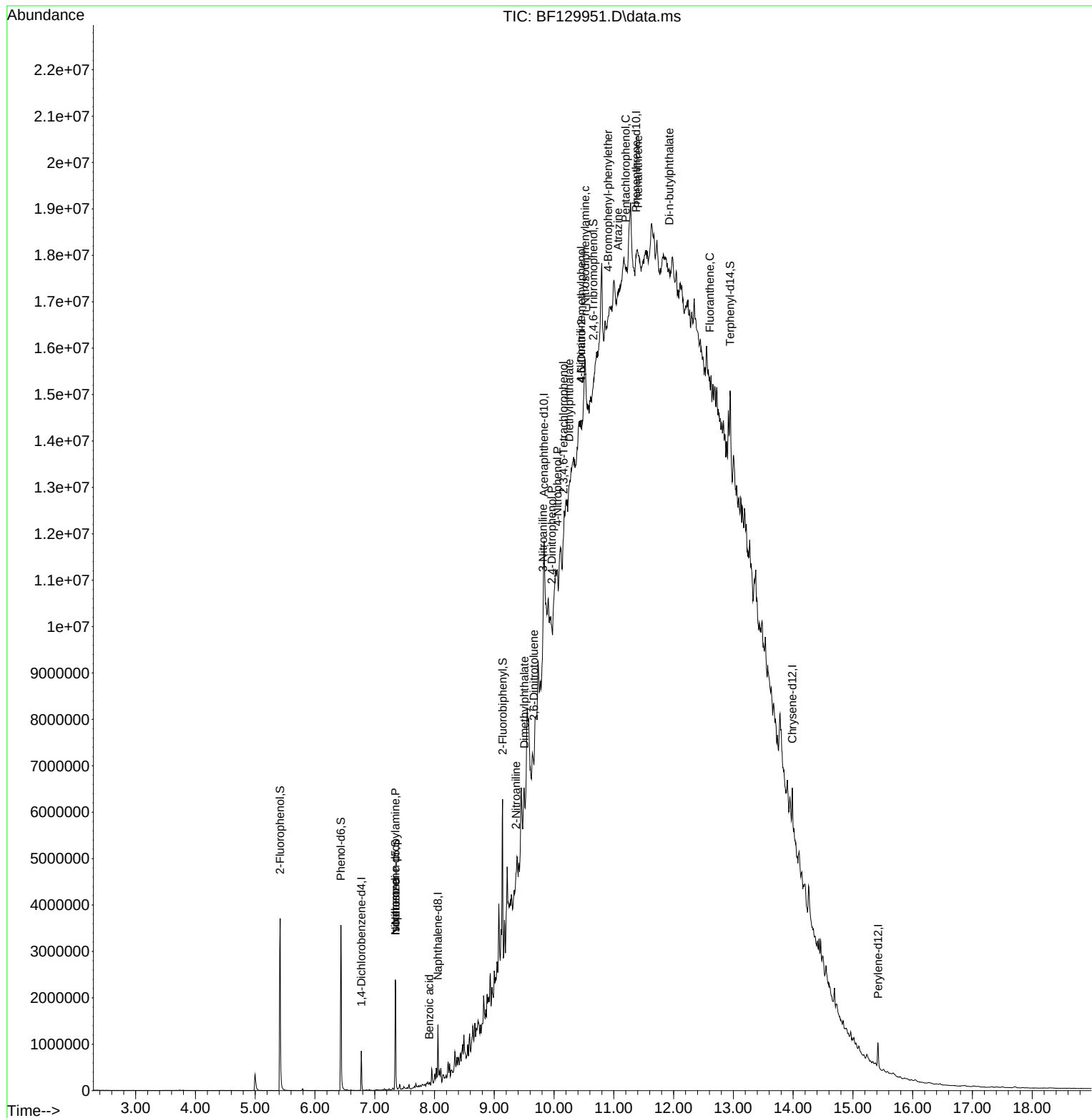
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	114279	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	416664	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	175692	20.000	ng	0.02
64) Phenanthrene-d10	11.375	188	165241	20.000	ng	# 0.07
76) Chrysene-d12	13.986	240	225489	20.000	ng	# 0.04
86) Perylene-d12	15.422	264	243708	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	995744	144.266	ng	0.00
7) Phenol-d6	6.434	99	1230541	142.367	ng	0.00
23) Nitrobenzene-d5	7.346	82	786348	101.028	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	218383	123.847	ng	0.05
45) 2-Fluorobiphenyl	9.140	172	1138373	98.409	ng	0.00
79) Terphenyl-d14	12.945	244	870579	64.242	ng	0.06
Target Compounds						
9) Benzaldehyde	6.387	77	115	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.346	70	106573	19.507	ng	# 78
25) Isophorone	7.346	82	787265	58.766	ng	# 65
32) Benzoic acid	7.910	122	275	2.295	ng	# 1
48) 2-Nitroaniline	9.363	65	16463	4.933	ng	# 1
50) Dimethylphthalate	9.504	163	32291	2.564	ng	# 1
51) 2,6-Dinitrotoluene	9.663	165	11169	4.088	ng	# 40
53) 3-Nitroaniline	9.816	138	22912	7.583	ng	# 55
54) 2,4-Dinitrophenol	9.963	184	1602	6.680	ng	# 1
56) 4-Nitrophenol	10.057	139	4493	3.343	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	10.157	232	5411	2.159	ng	# 1
60) Diethylphthalate	10.251	149	53590	4.267	ng	# 32
62) 4-Nitroaniline	10.451	138	7032	2.307	ng	# 38
65) 4,6-Dinitro-2-methylph...	10.457	198	5050	5.206	ng	# 1
66) n-Nitrosodiphenylamine	10.522	169	54873	9.839	ng	# 73
67) 4-Bromophenyl-phenylether	10.904	248	7081	3.659	ng	# 1
69) Atrazine	11.069	200	100704	58.830	ng	# 1
70) Pentachlorophenol	11.198	266	39084	63.347	ng	# 14
71) Phenanthrene	11.404	178	39765	4.309	ng	# 1
74) Di-n-butylphthalate	11.928	149	55210	5.149	ng	# 11
75) Fluoranthene	12.604	202	29399	3.113	ng	# 1
77) Benzidine	12.692	184	3247	Below Cal	#	1

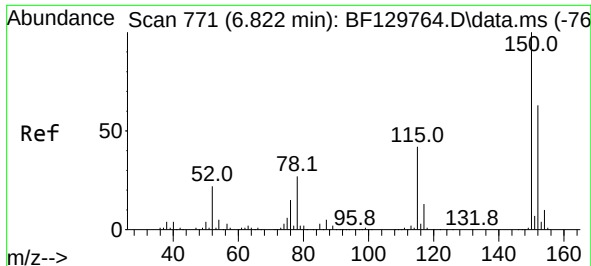
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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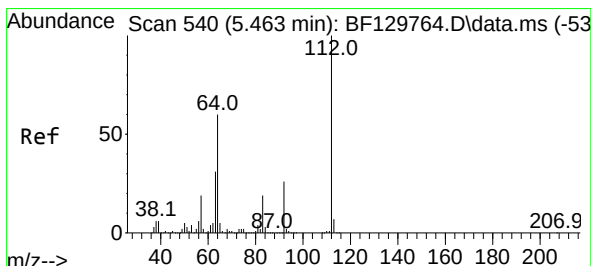
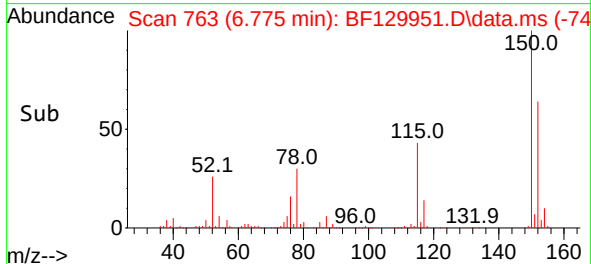
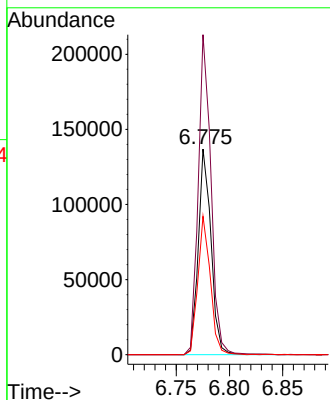
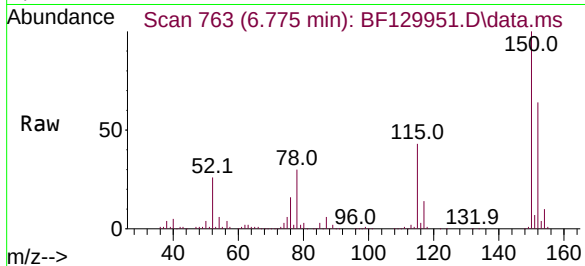




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

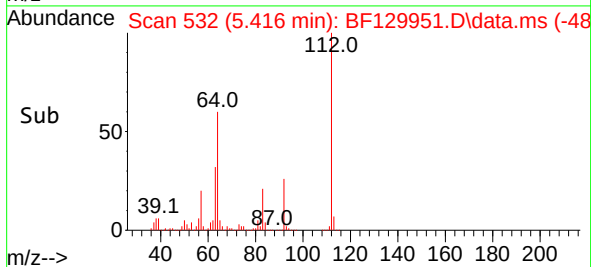
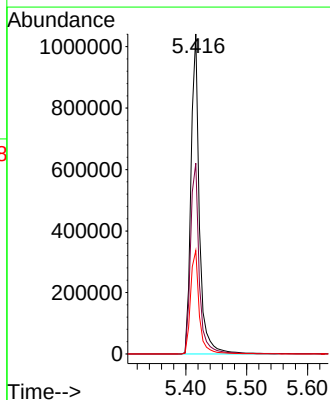
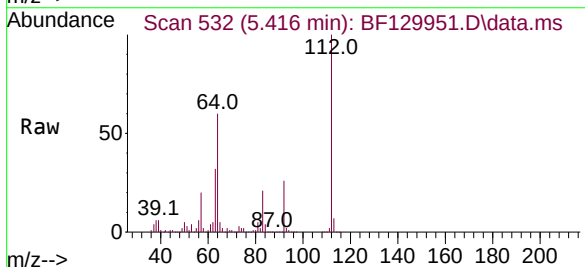
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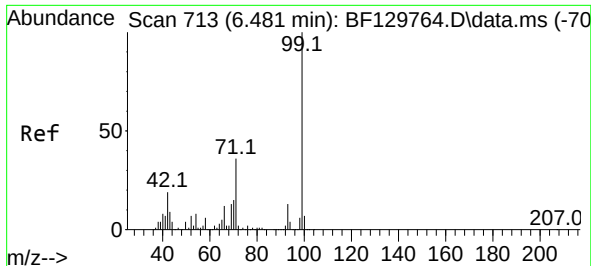
Tgt Ion:152 Resp: 114279
Ion Ratio Lower Upper
152 100
150 155.6 126.9 190.3
115 67.3 53.4 80.0



#5
2-Fluorophenol
Concen: 144.266 ng
RT: 5.416 min Scan# 532
Delta R.T. 0.006 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:112 Resp: 995744
Ion Ratio Lower Upper
112 100
64 59.6 47.6 71.4
63 32.3 24.6 37.0

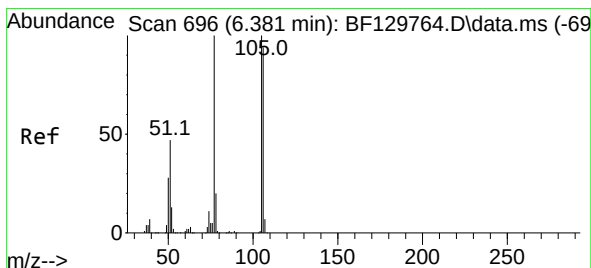
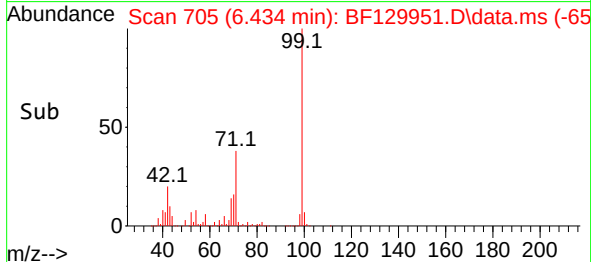
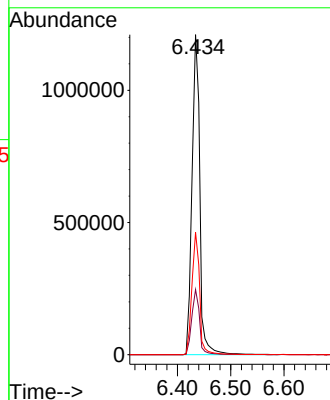
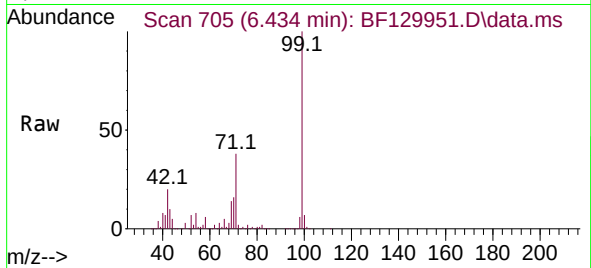




#7
Phenol-d6
Concen: 142.367 ng
RT: 6.434 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

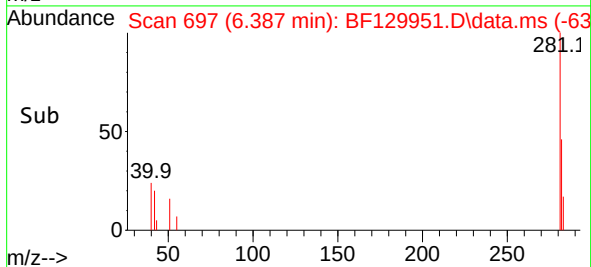
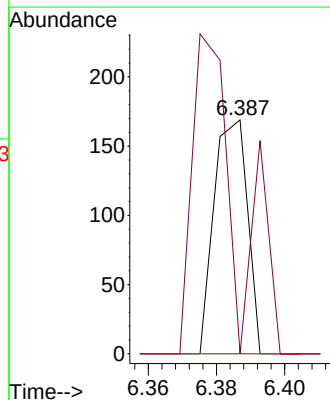
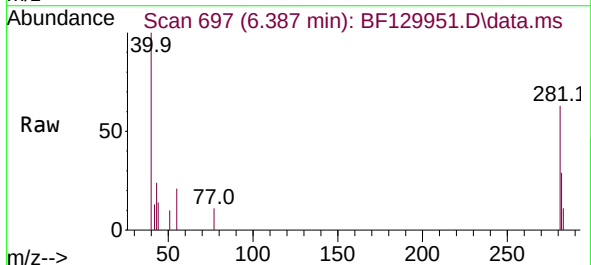
Instrument :
BNA_F
ClientSampleId :
RBR-21153

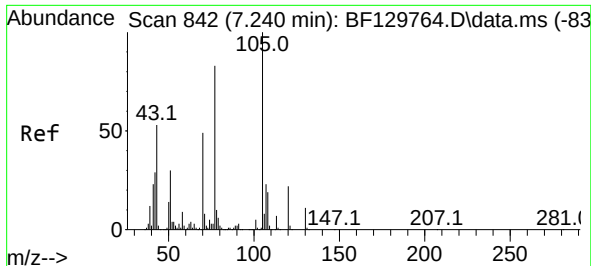
Tgt Ion: 99 Resp: 1230541
Ion Ratio Lower Upper
99 100
42 20.4 15.0 22.4
71 38.3 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 697
Delta R.T. 0.053 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion: 77 Resp: 115
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

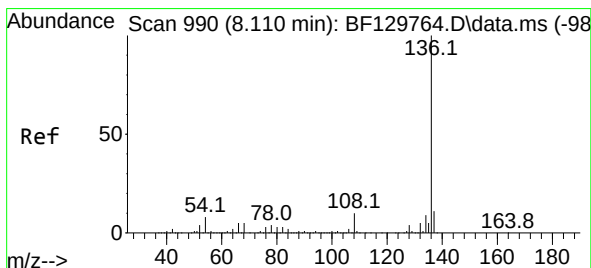
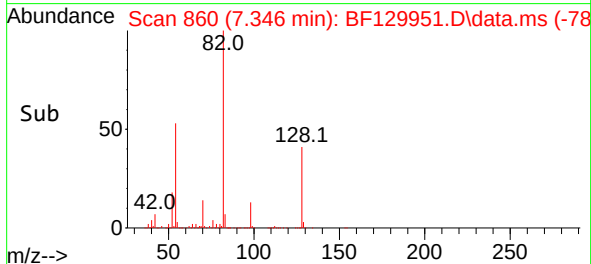
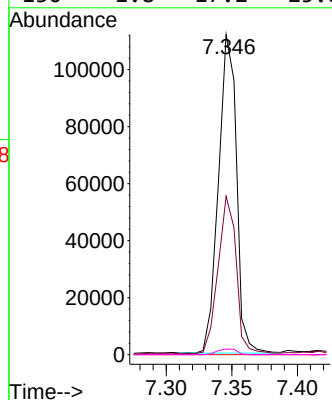
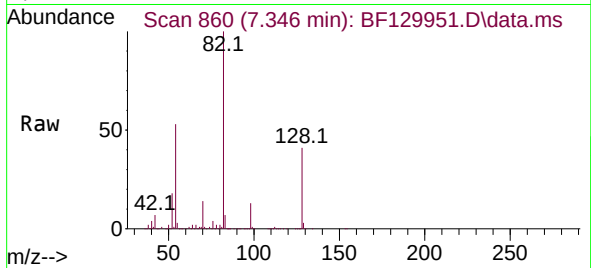




#19
n-Nitroso-di-n-propylamine
Concen: 19.507 ng
RT: 7.346 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

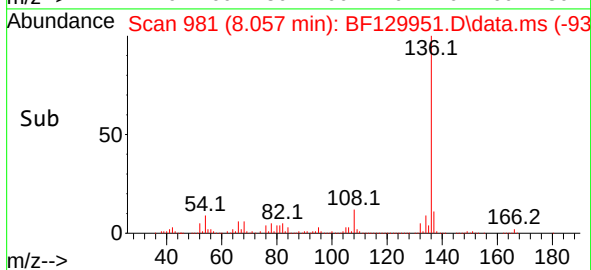
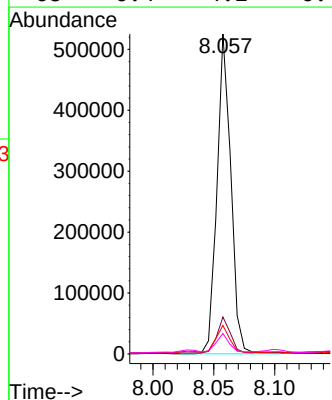
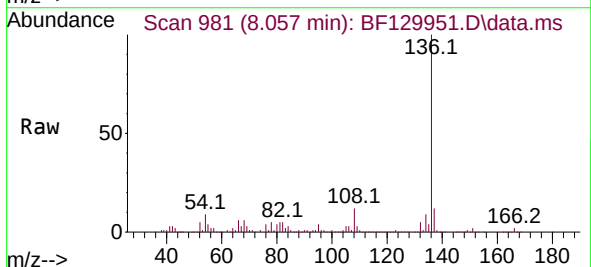
Instrument :
BNA_F
ClientSampleId :
RBR-21153

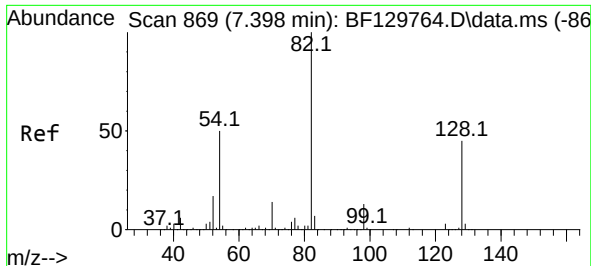
Tgt Ion: 70 Resp: 106573
Ion Ratio Lower Upper
70 100
42 49.5 47.6 71.4
101 0.0 8.1 12.1#
130 1.8 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion: 136 Resp: 416664
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 8.9 6.2 9.2
68 6.4 4.2 6.4#

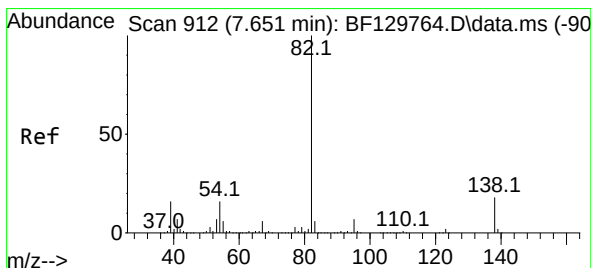
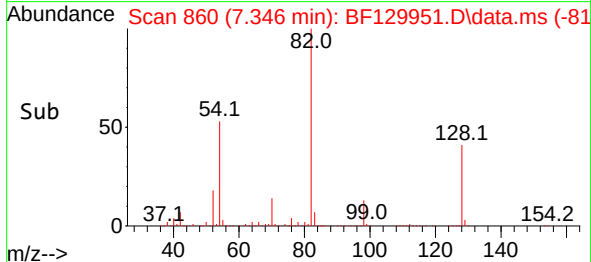
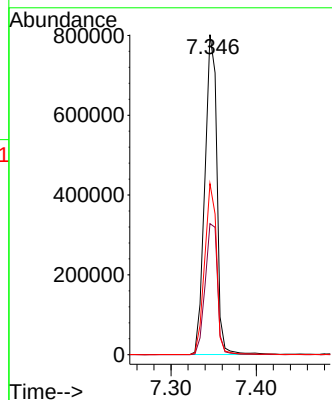
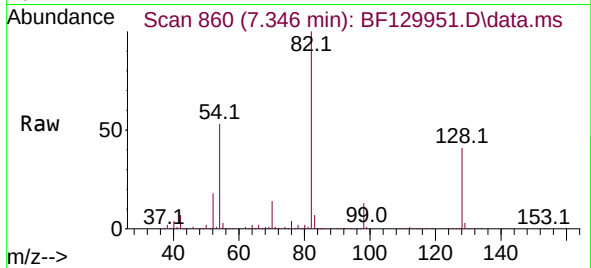




#23
Nitrobenzene-d5
Concen: 101.028 ng
RT: 7.346 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

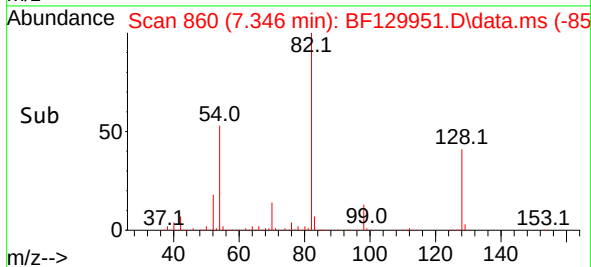
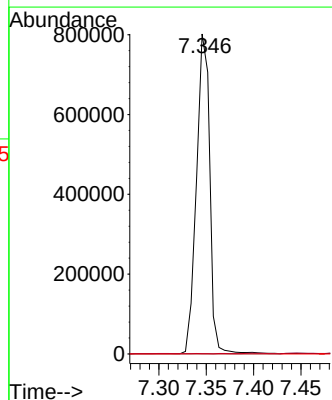
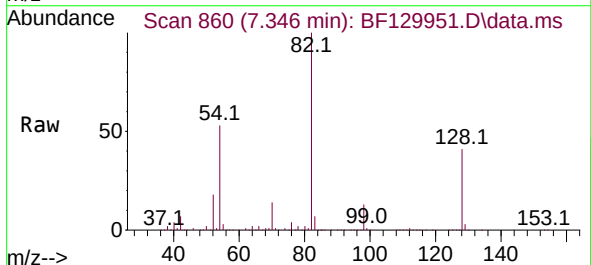
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ClientSampleId :
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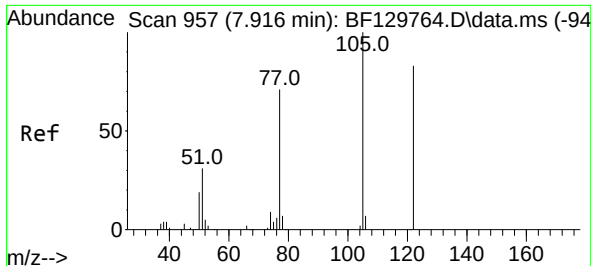
Tgt Ion: 82 Resp: 786348
Ion Ratio Lower Upper
82 100
128 40.9 36.1 54.1
54 53.5 40.0 60.0



#25
Isophorone
Concen: 58.766 ng
RT: 7.346 min Scan# 860
Delta R.T. -0.258 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion: 82 Resp: 787265
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.6 21.8#

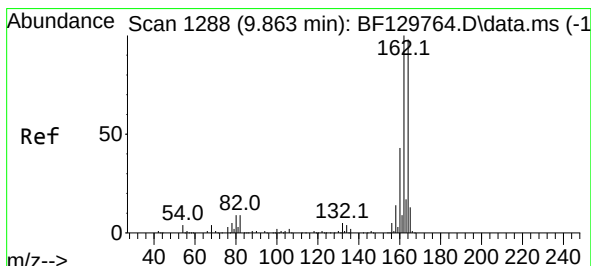
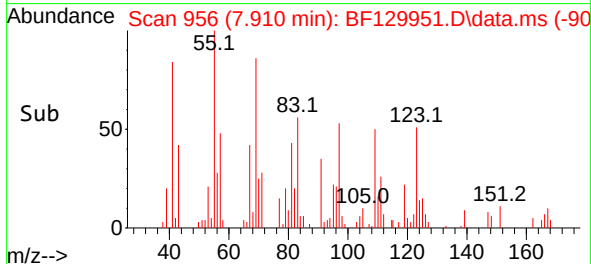
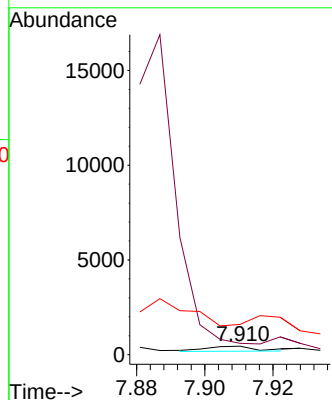
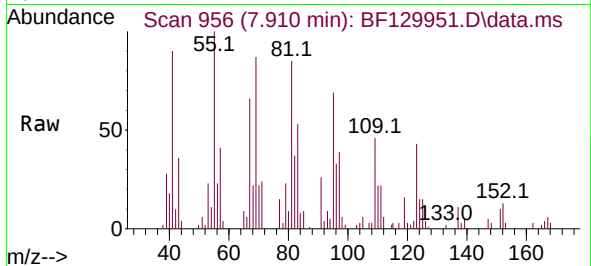




#32
Benzoic acid
Concen: 2.295 ng
RT: 7.910 min Scan# 910
Delta R.T. 0.030 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

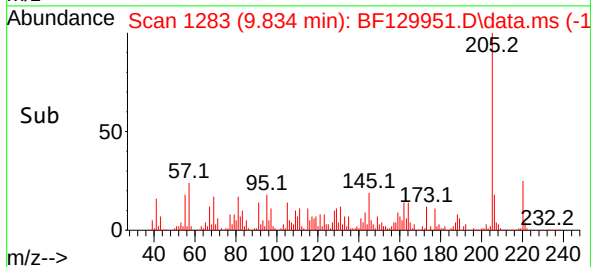
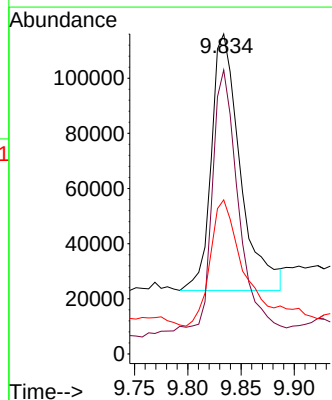
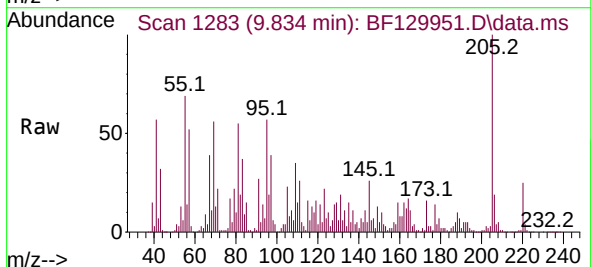
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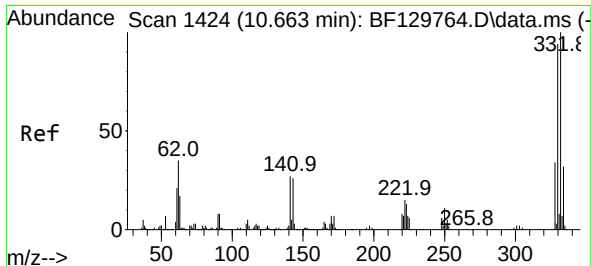
Tgt Ion:122 Resp: 275
Ion Ratio Lower Upper
122 100
105 132.8 99.9 139.9
77 354.1 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1283
Delta R.T. 0.018 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:164 Resp: 175692
Ion Ratio Lower Upper
164 100
162 88.8 82.0 123.0
160 48.2 35.4 53.0

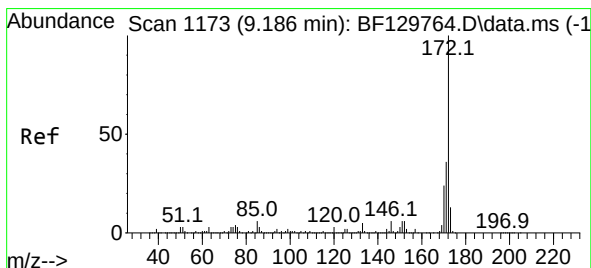
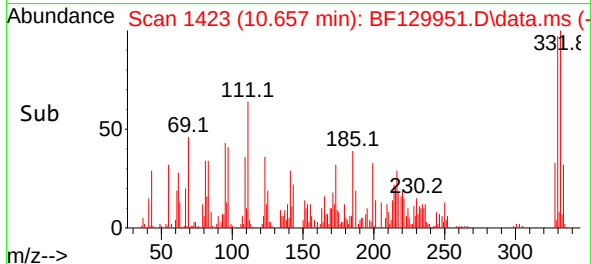
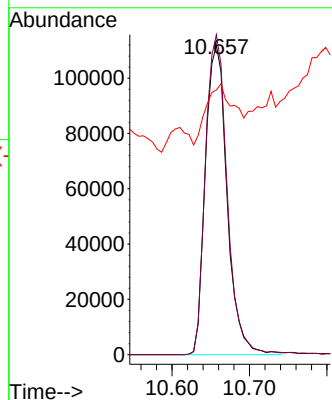
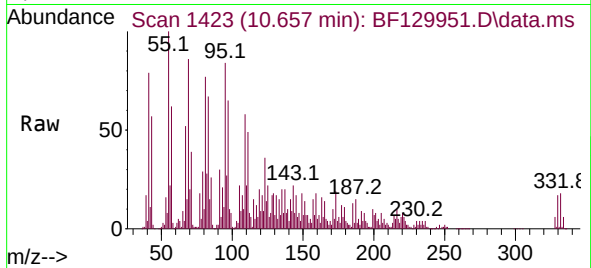




#42
2,4,6-Tribromophenol
Concen: 123.847 ng
RT: 10.657 min Scan# 1423
Delta R.T. 0.047 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

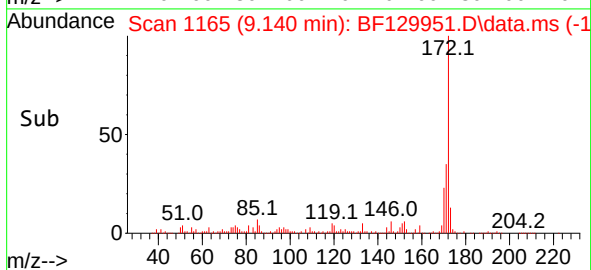
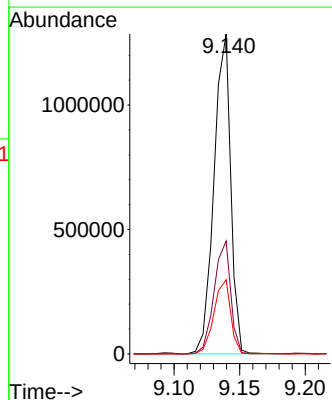
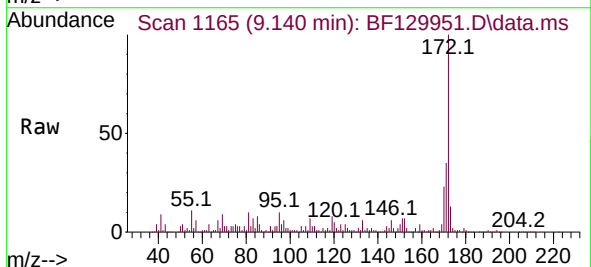
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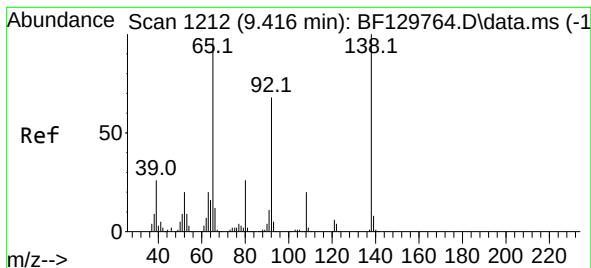
Tgt Ion:330 Resp: 218383
Ion Ratio Lower Upper
330 100
332 103.8 82.6 124.0
141 25.4 27.6 41.4#



#45
2-Fluorobiphenyl
Concen: 98.409 ng
RT: 9.140 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:172 Resp: 1138373
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.2 19.1 28.7





#48

2-Nitroaniline

Concen: 4.933 ng

RT: 9.363 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

Instrument :

BNA_F

ClientSampleId :

RBR-21153

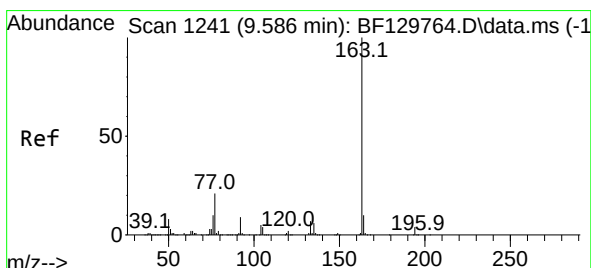
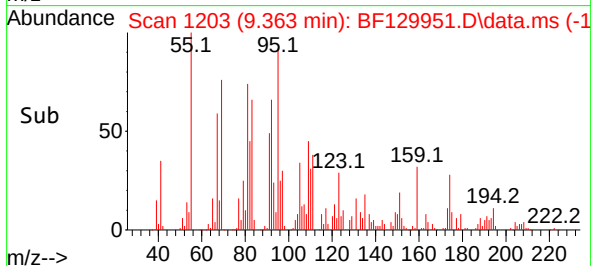
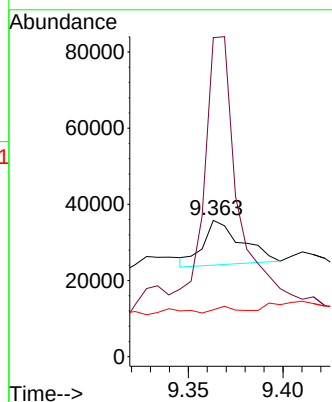
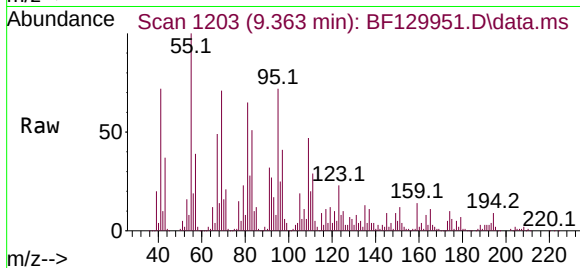
Tgt Ion: 65 Resp: 16463

Ion Ratio Lower Upper

65 100

92 234.0 55.0 82.4#

138 34.5 81.3 121.9#



#50

Dimethylphthalate

Concen: 2.564 ng

RT: 9.504 min Scan# 1227

Delta R.T. -0.035 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

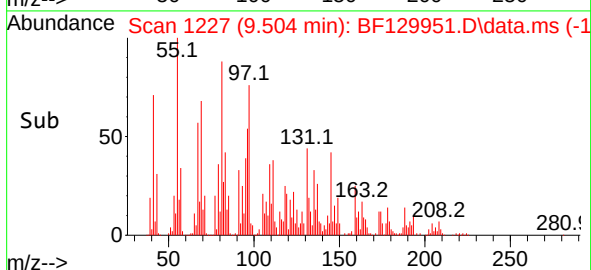
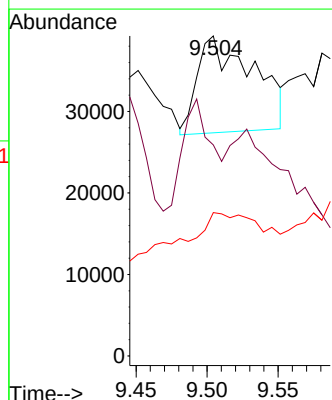
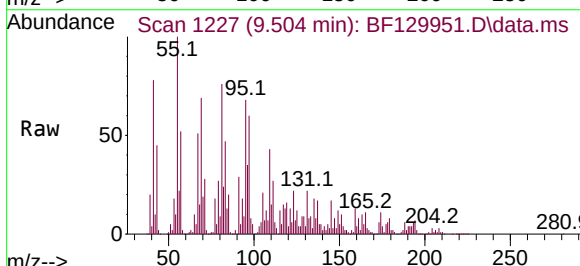
Tgt Ion: 163 Resp: 32291

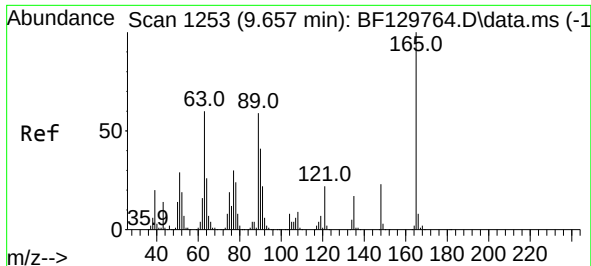
Ion Ratio Lower Upper

163 100

194 65.9 3.3 4.9#

164 44.8 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 4.088 ng

RT: 9.663 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

Instrument :

BNA_F

ClientSampleId :

RBR-21153

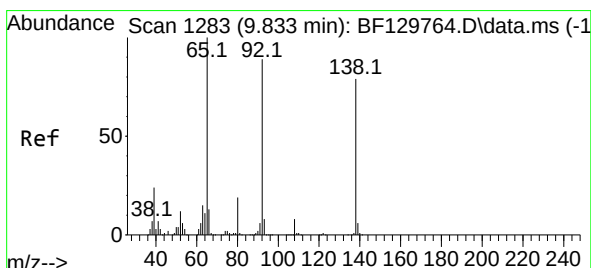
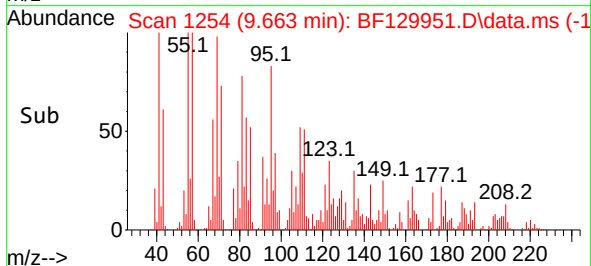
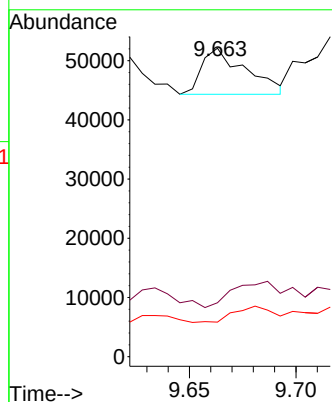
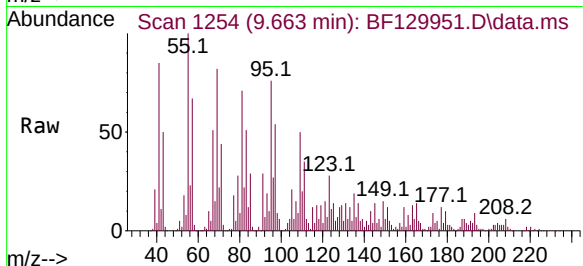
Tgt Ion:165 Resp: 11169

Ion Ratio Lower Upper

165 100

63 17.5 47.8 71.8#

89 11.2 47.2 70.8#



#53

3-Nitroaniline

Concen: 7.583 ng

RT: 9.816 min Scan# 1280

Delta R.T. 0.030 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

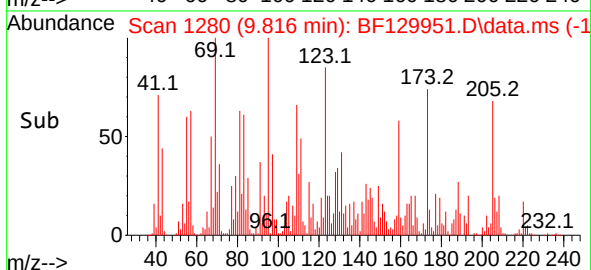
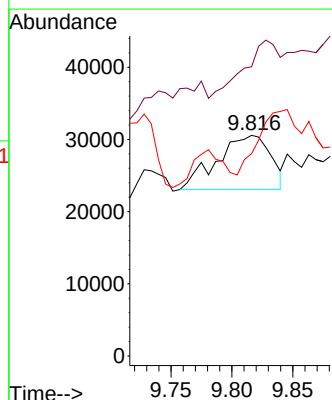
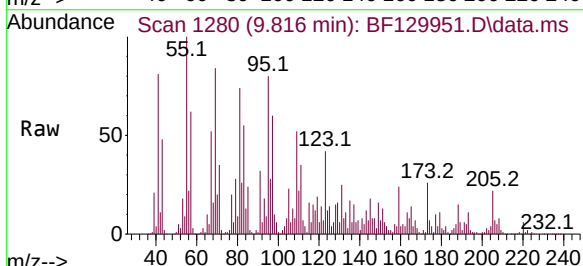
Tgt Ion:138 Resp: 22912

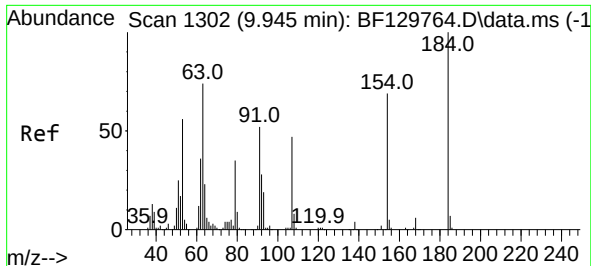
Ion Ratio Lower Upper

138 100

108 131.0 8.4 12.6#

92 91.6 89.8 134.8

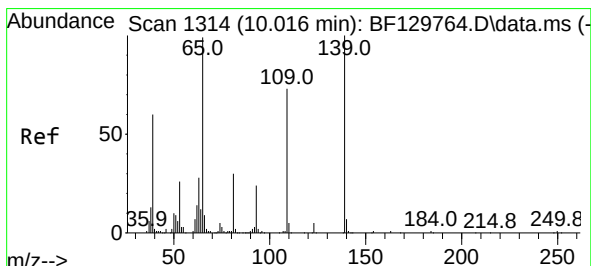
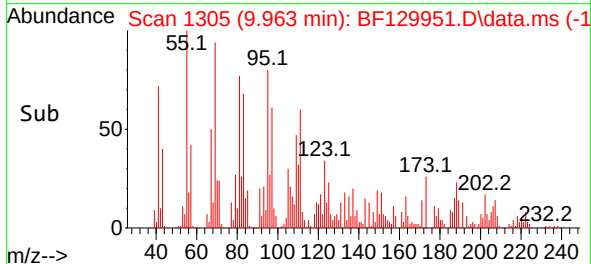
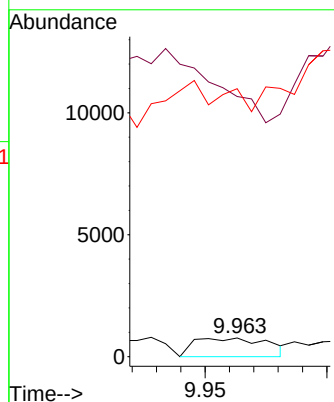
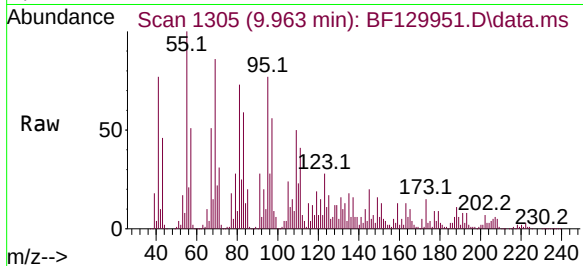




#54
2,4-Dinitrophenol
Concen: 6.680 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

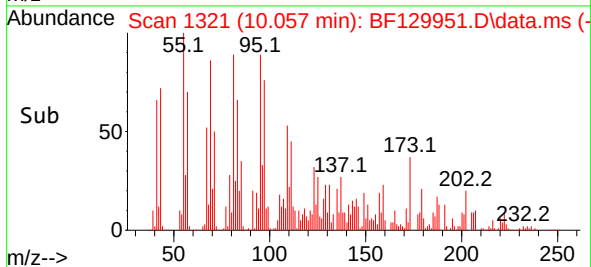
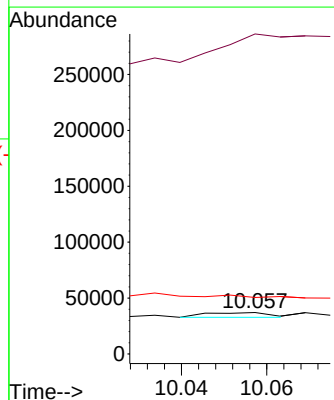
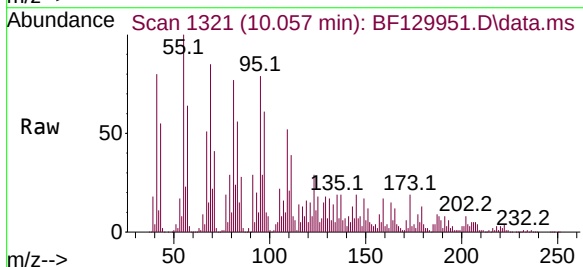
Instrument :
BNA_F
ClientSampleId :
RBR-21153

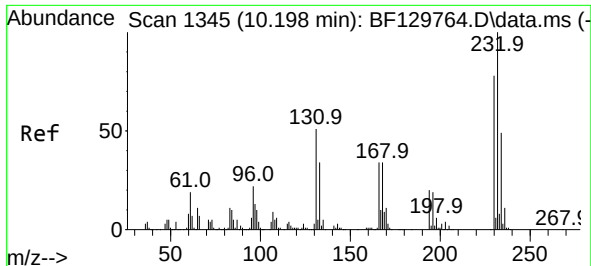
Tgt Ion:184 Resp: 1602
Ion Ratio Lower Upper
184 100
63 1394.9 59.6 89.4#
154 1436.5 55.3 82.9#



#56
4-Nitrophenol
Concen: 3.343 ng
RT: 10.057 min Scan# 1321
Delta R.T. 0.083 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:139 Resp: 4493
Ion Ratio Lower Upper
139 100
109 771.7 52.9 92.9#
65 136.3 79.5 119.5#

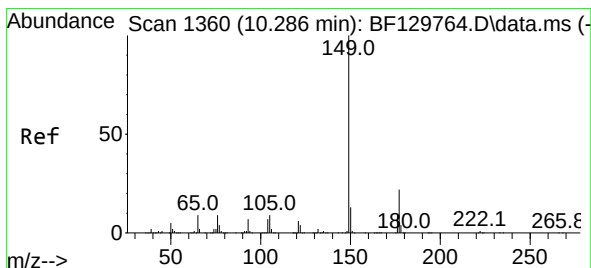
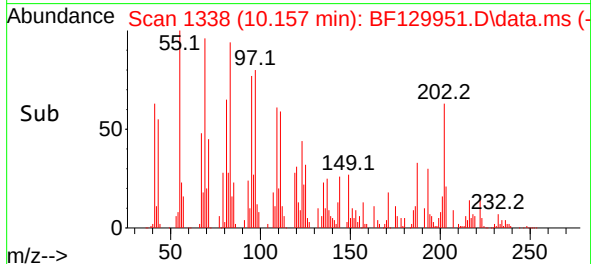
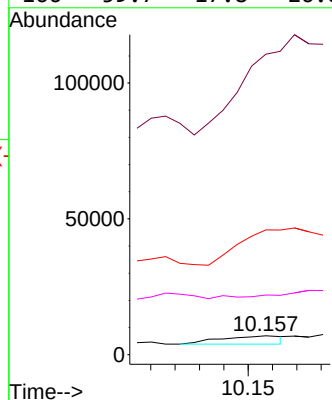
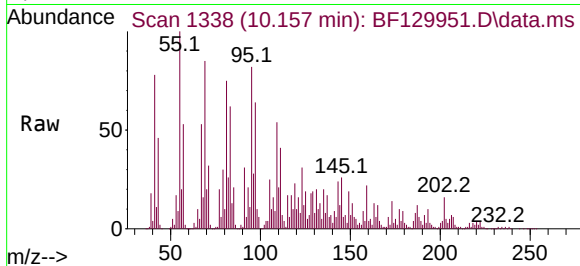




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.159 ng
RT: 10.157 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

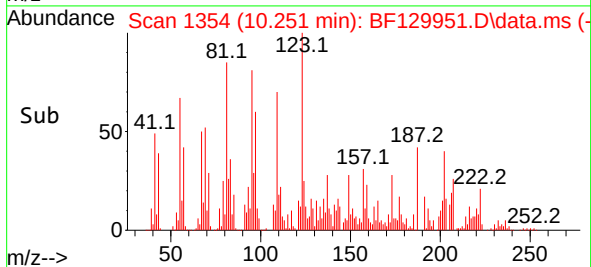
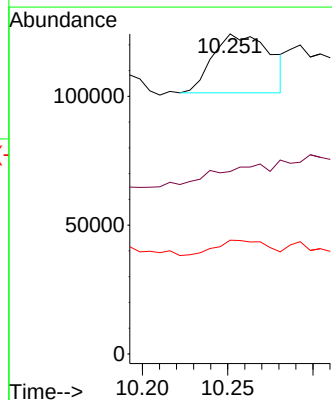
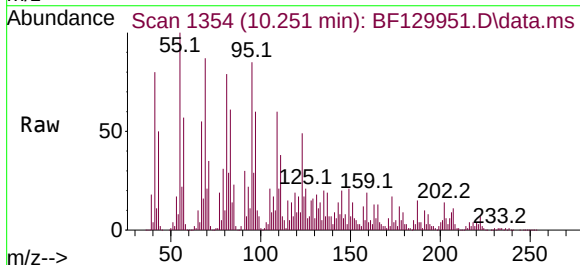
Instrument :
BNA_F
ClientSampleId :
RBR-21153

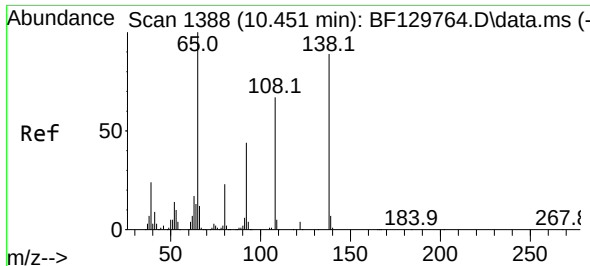
Tgt Ion:	232	Resp:	5411
Ion Ratio	Lower	Upper	
232	100		
131	1646.1	29.9	44.9#
130	980.7	1.5	2.3#
166	59.7	17.8	26.8#



#60
Diethylphthalate
Concen: 4.267 ng
RT: 10.251 min Scan# 1354
Delta R.T. 0.012 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:	149	Resp:	53590
Ion Ratio	Lower	Upper	
149	100		
177	57.0	17.7	26.5#
150	35.6	10.1	15.1#

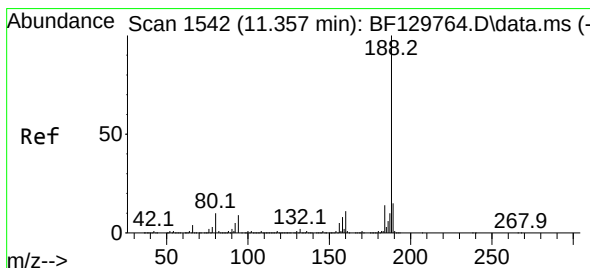
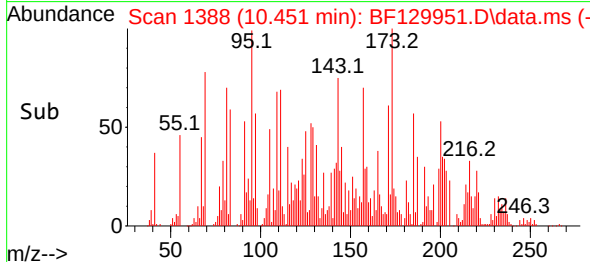
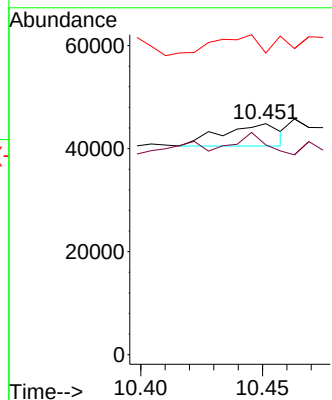
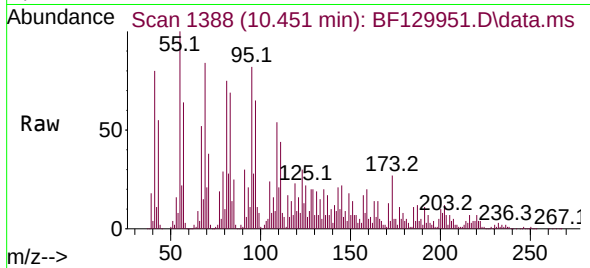




#62
4-Nitroaniline
Concen: 2.307 ng
RT: 10.451 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

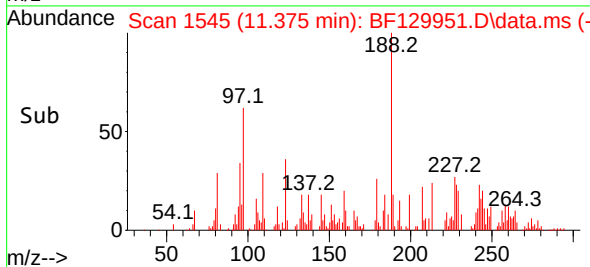
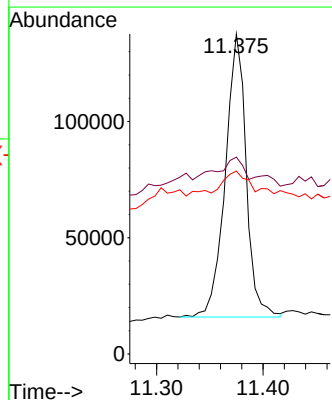
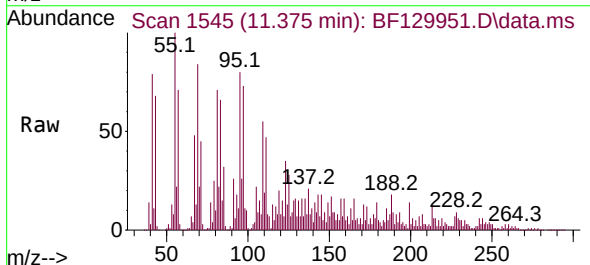
Instrument :
BNA_F
ClientSampleId :
RBR-21153

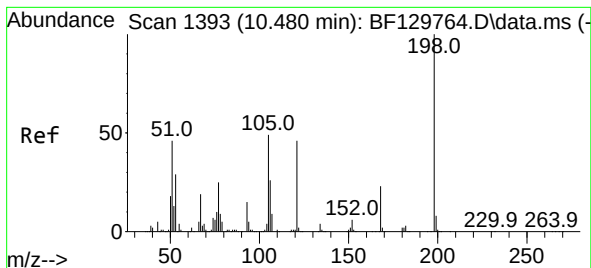
Tgt Ion:138 Resp: 7032
Ion Ratio Lower Upper
138 100
92 90.7 30.3 70.3#
108 130.5 55.7 95.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1545
Delta R.T. 0.071 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:188 Resp: 165241
Ion Ratio Lower Upper
188 100
94 61.5 7.4 11.2#
80 57.1 7.9 11.9#

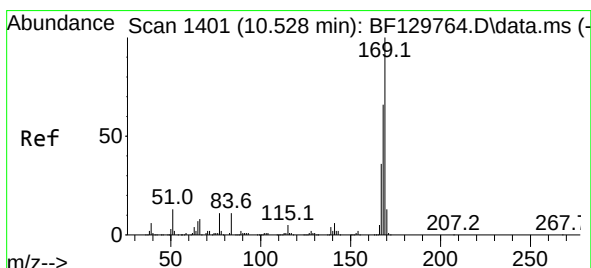
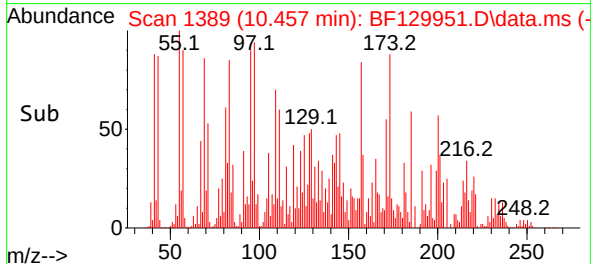
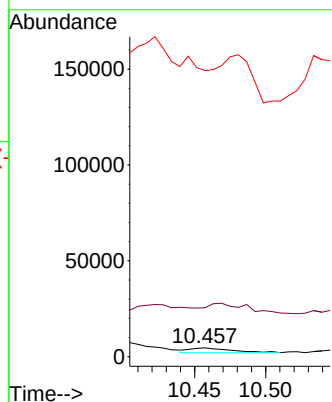
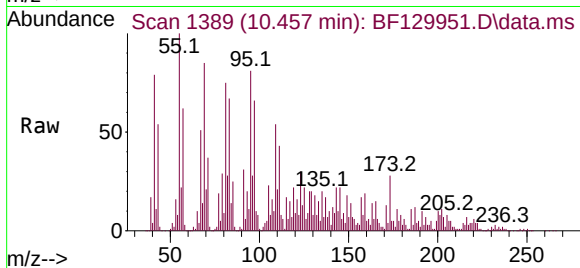




#65
4,6-Dinitro-2-methylphenol
Concen: 5.206 ng
RT: 10.457 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

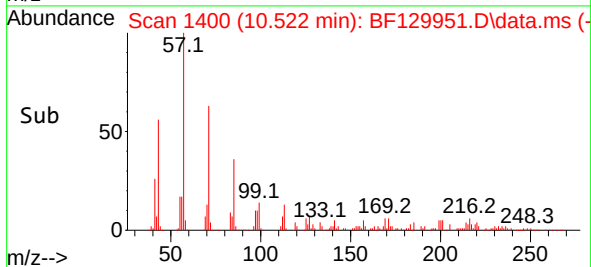
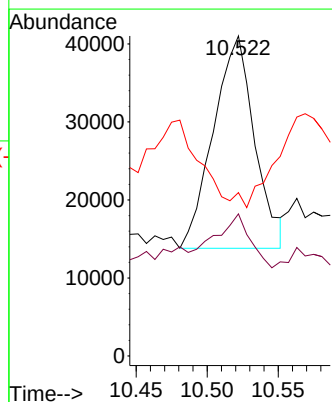
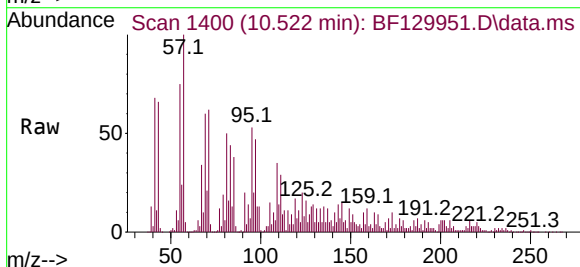
Instrument :
BNA_F
ClientSampleId :
RBR-21153

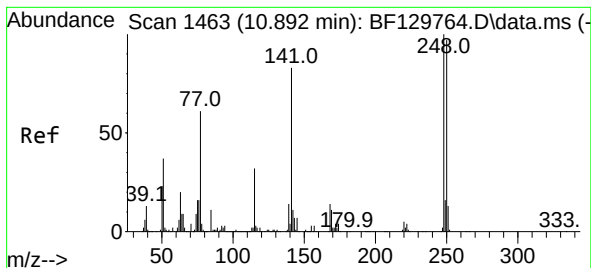
Tgt Ion:198 Resp: 5050
Ion Ratio Lower Upper
198 100
51 554.1 29.4 69.4#
105 3238.9 29.2 69.2#



#66
n-Nitrosodiphenylamine
Concen: 9.839 ng
RT: 10.522 min Scan# 1400
Delta R.T. 0.042 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:169 Resp: 54873
Ion Ratio Lower Upper
169 100
168 44.4 53.4 80.2#
167 51.1 29.1 43.7#

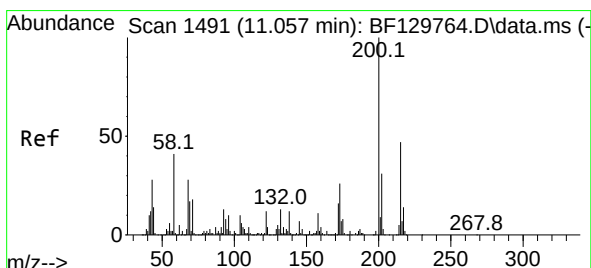
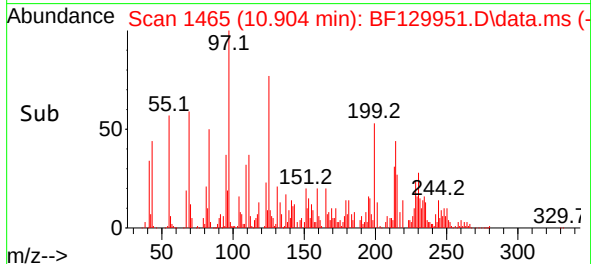
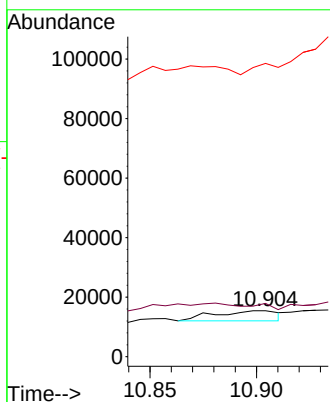
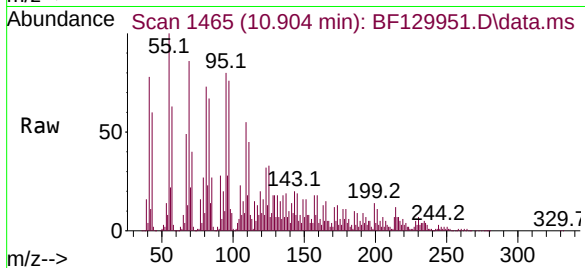




#67
4-Bromophenyl-phenylether
Concen: 3.659 ng
RT: 10.904 min Scan# 1465
Delta R.T. 0.059 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

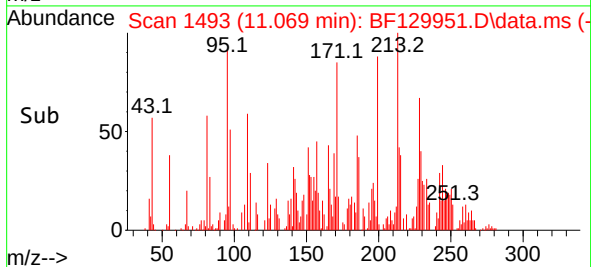
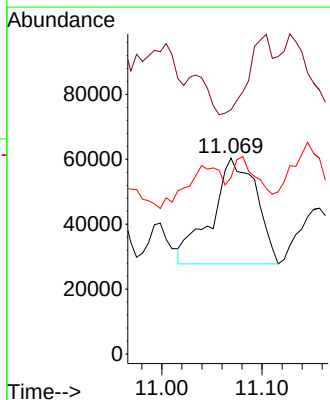
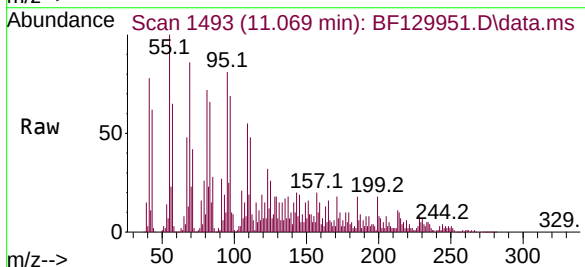
Instrument :
BNA_F
ClientSampleId :
RBR-21153

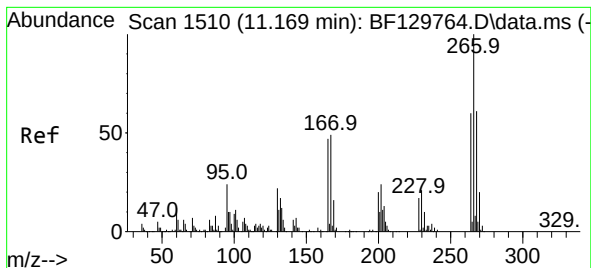
Tgt Ion:248 Resp: 7081
Ion Ratio Lower Upper
248 100
250 116.0 77.8 116.6
141 638.0 66.2 99.2#



#69
Atrazine
Concen: 58.830 ng
RT: 11.069 min Scan# 1493
Delta R.T. 0.059 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:200 Resp: 100704
Ion Ratio Lower Upper
200 100
173 124.7 6.4 46.4#
215 90.1 27.1 67.1#





#70

Pentachlorophenol

Concen: 63.347 ng

RT: 11.198 min Scan# 1

Delta R.T. 0.077 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

Instrument :

BNA_F

ClientSampleId :

RBR-21153

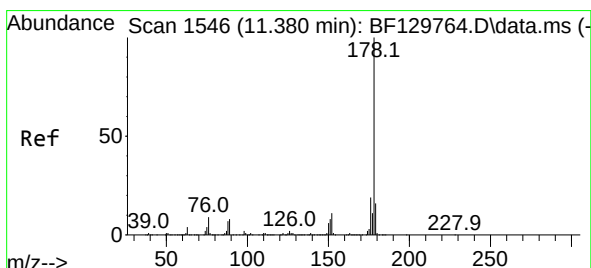
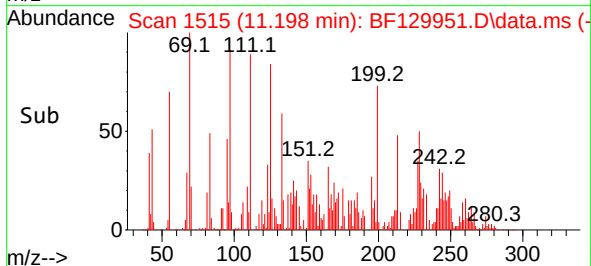
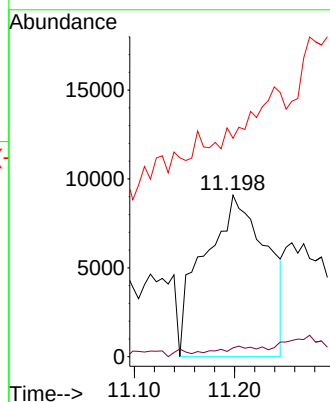
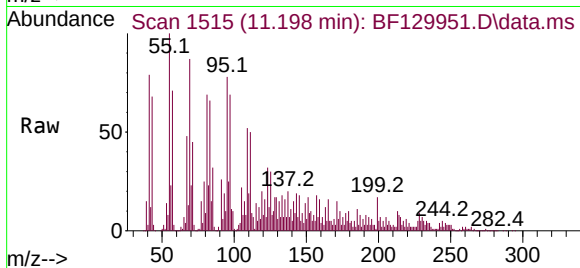
Tgt Ion:266 Resp: 39084

Ion Ratio Lower Upper

266 100

268 5.4 49.0 73.4#

264 135.2 47.9 71.9#



#71

Phenanthrene

Concen: 4.309 ng

RT: 11.404 min Scan# 1550

Delta R.T. 0.077 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

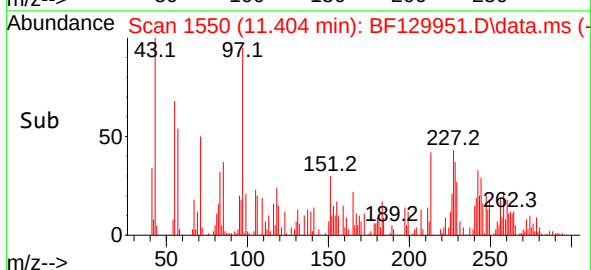
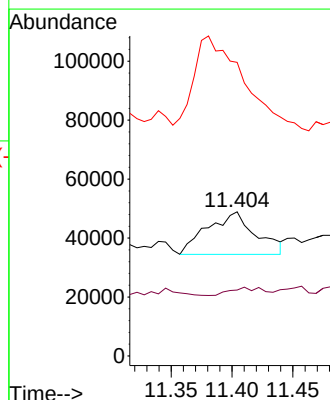
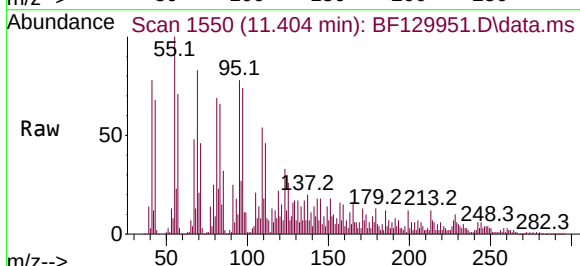
Tgt Ion:178 Resp: 39765

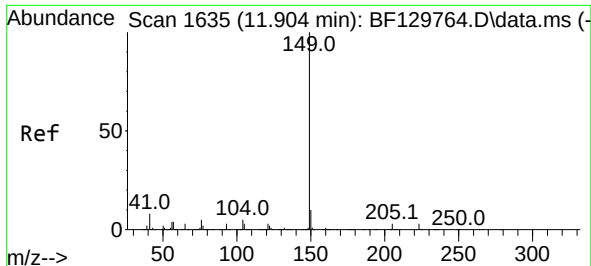
Ion Ratio Lower Upper

178 100

176 45.8 15.5 23.3#

179 203.7 12.5 18.7#

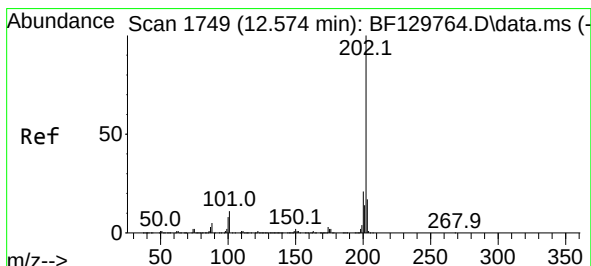
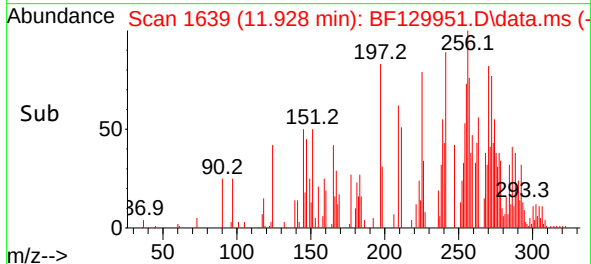
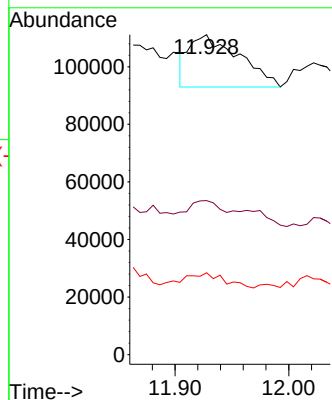
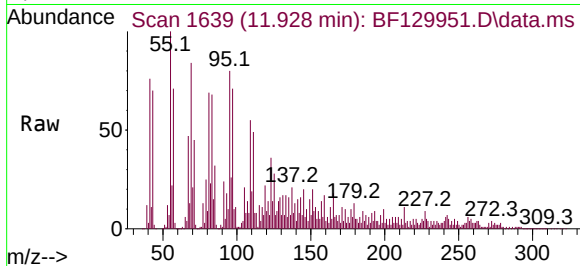




#74
Di-n-butylphthalate
Concen: 5.149 ng
RT: 11.928 min Scan# 1
Delta R.T. 0.071 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

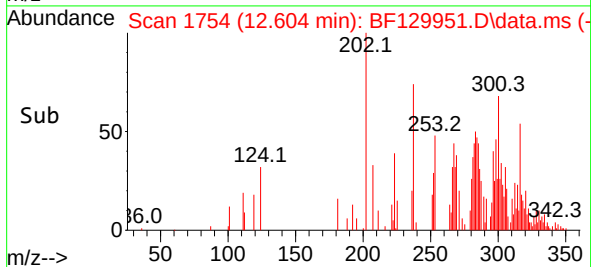
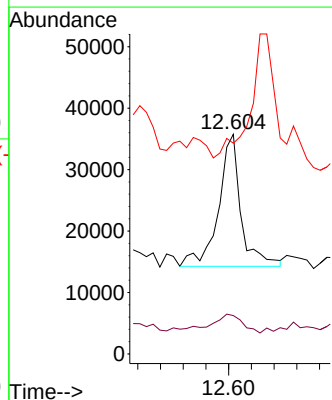
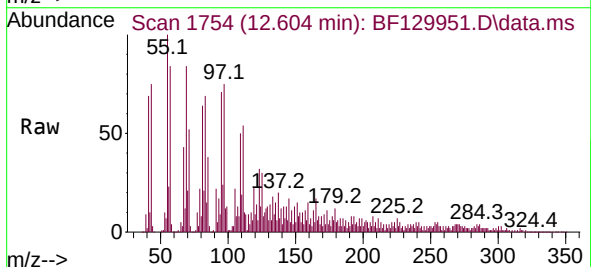
Instrument :
BNA_F
ClientSampleId :
RBR-21153

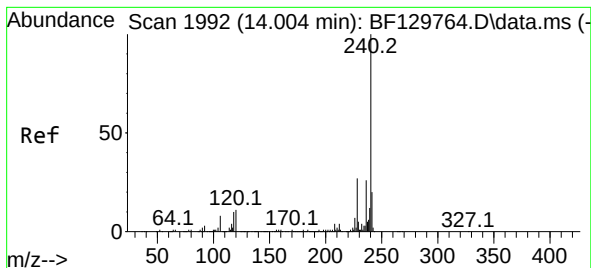
Tgt Ion:149 Resp: 55210
Ion Ratio Lower Upper
149 100
150 48.2 7.8 11.6#
104 25.6 4.2 6.4#



#75
Fluoranthene
Concen: 3.113 ng
RT: 12.604 min Scan# 1754
Delta R.T. 0.083 min
Lab File: BF129951.D
Acq: 23 Aug 2022 13:40

Tgt Ion:202 Resp: 29399
Ion Ratio Lower Upper
202 100
101 17.5 0.0 30.7
203 95.9 0.0 37.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 1989

Delta R.T. 0.036 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

Instrument :

BNA_F

ClientSampleId :

RBR-21153

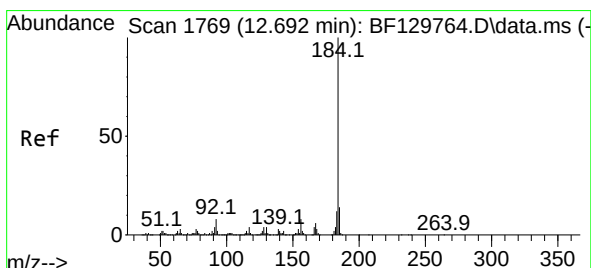
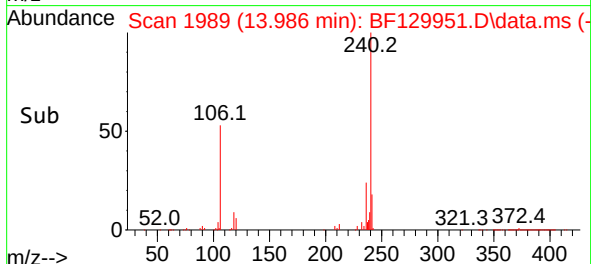
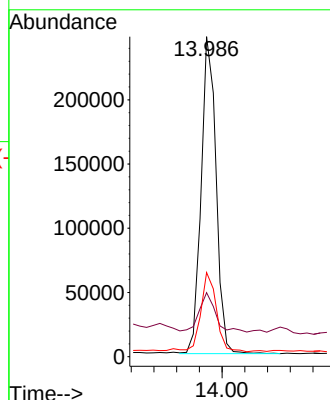
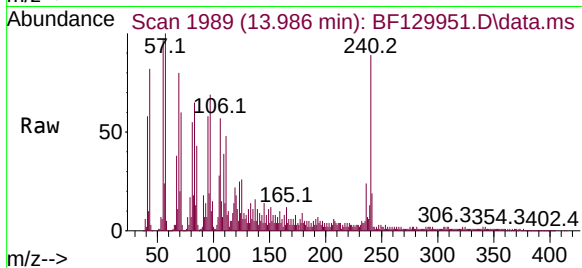
Tgt Ion:240 Resp: 225489

Ion Ratio Lower Upper

240 100

120 20.0 9.2 13.8#

236 26.3 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.692 min Scan# 1769

Delta R.T. 0.047 min

Lab File: BF129951.D

Acq: 23 Aug 2022 13:40

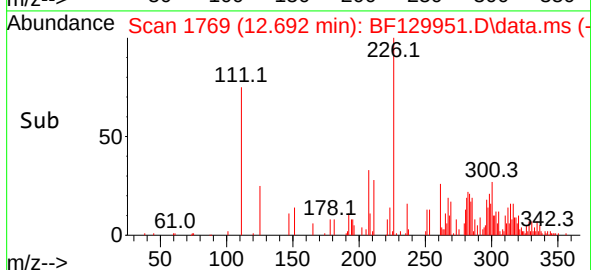
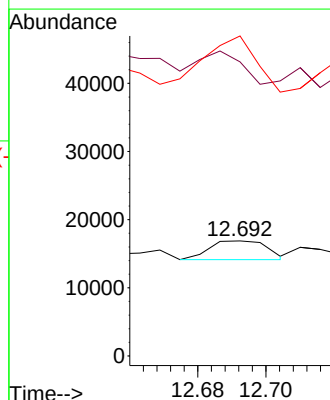
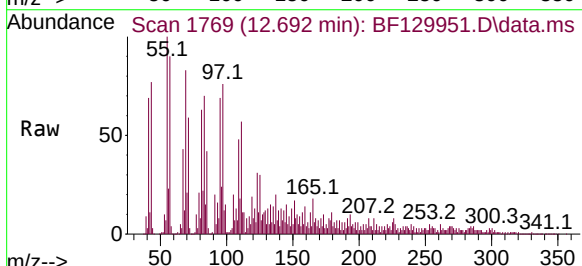
Tgt Ion:184 Resp: 3247

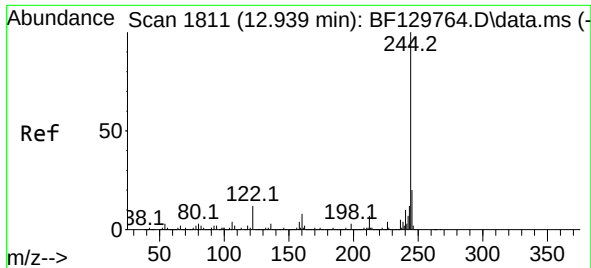
Ion Ratio Lower Upper

184 100

185 255.8 11.4 17.2#

183 278.3 9.4 14.2#

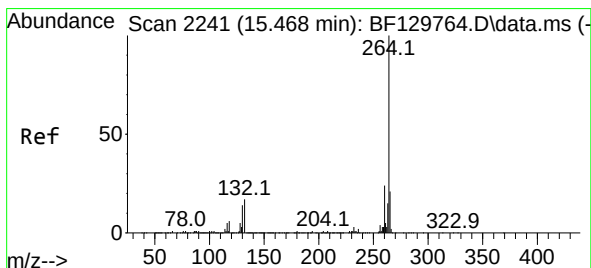
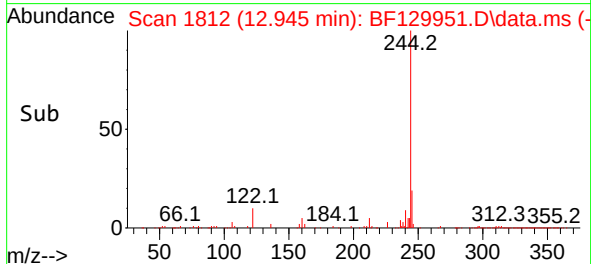
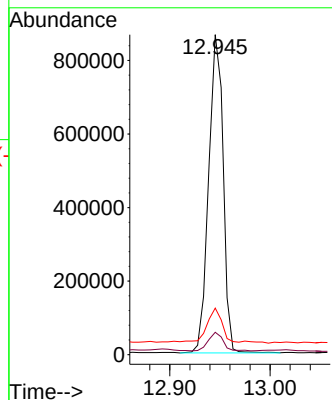
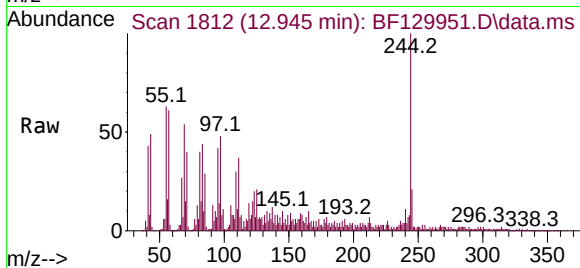




#79
 Terphenyl-d14
 Concen: 64.242 ng
 RT: 12.945 min Scan# 1811
 Delta R.T. 0.059 min
 Lab File: BF129951.D
 Acq: 23 Aug 2022 13:40

Instrument :
 BNA_F
 ClientSampleId :
 RBR-21153

Tgt Ion:244 Resp: 870579
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 14.6 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.422 min Scan# 2233
 Delta R.T. 0.024 min
 Lab File: BF129951.D
 Acq: 23 Aug 2022 13:40

Tgt Ion:264 Resp: 243708
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.1 28.7
 265 21.6 16.7 25.1

