

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127934.D
 Acq On : 27 Apr 2022 01:30
 Operator : CG\JU
 Sample : N2554-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2520253

Quant Time: Apr 27 03:21:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

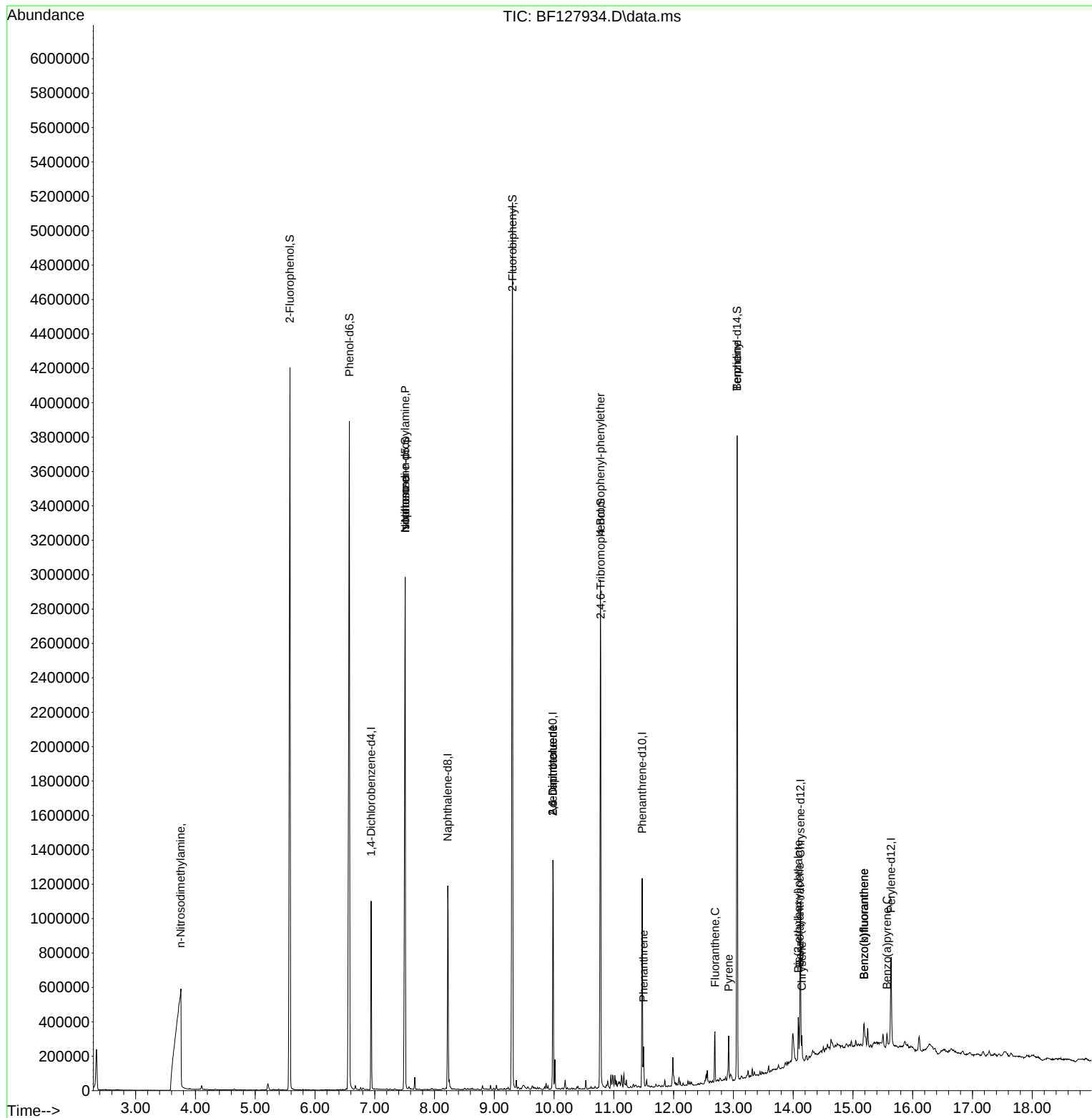
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	138907	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	528839	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	284577	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	414920	20.000	ng	0.00
76) Chrysene-d12	14.121	240	289584	20.000	ng	0.00
86) Perylene-d12	15.639	264	236767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1182412	135.582	ng	0.02
7) Phenol-d6	6.575	99	1543398	136.389	ng	0.00
23) Nitrobenzene-d5	7.510	82	1144889	101.803	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	361421	126.162	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1668572	99.193	ng	0.00
79) Terphenyl-d14	13.063	244	1271151	80.266	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.751	42	77181	14.956	ng	# 1
19) n-Nitroso-di-n-propyla...	7.510	70	155835	22.496	ng	# 79
25) Isophorone	7.510	82	1144786	60.481	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	38093	9.219	ng	# 22
57) 2,4-Dinitrotoluene	9.980	165	38093	6.960	ng	# 26
67) 4-Bromophenyl-phenylether	10.774	248	23297	5.065	ng	# 1
71) Phenanthrene	11.498	178	73975	3.406	ng	98
75) Fluoranthene	12.692	202	117514	5.141	ng	96
77) Benzidine	13.063	184	18100	3.303	ng	# 96
78) Pyrene	12.921	202	99543	4.258	ng	97
81) Benzo(a)anthracene	14.110	228	52886	2.740	ng	100
83) Chrysene	14.145	228	50071	2.716	ng	98
84) Bis(2-ethylhexyl)phtha...	14.086	149	62611	5.153	ng	100
88) Benzo(b)fluoranthene	15.186	252	85219	5.731	ng	# 95
89) Benzo(k)fluoranthene	15.186	252	85219	5.688	ng	# 93
90) Benzo(a)pyrene	15.568	252	40616	3.293	ng	98

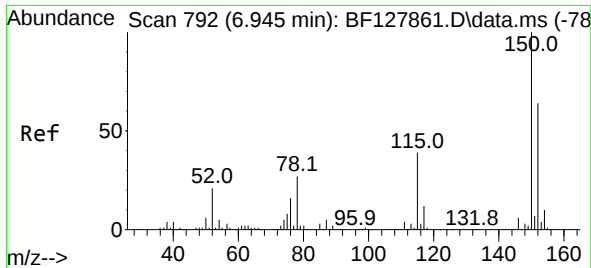
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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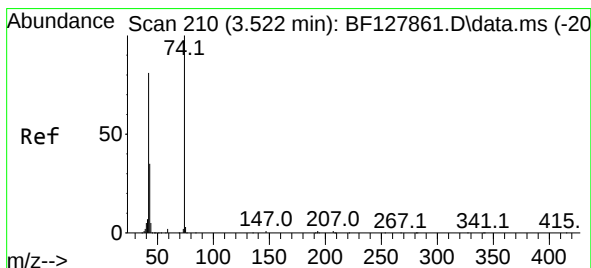
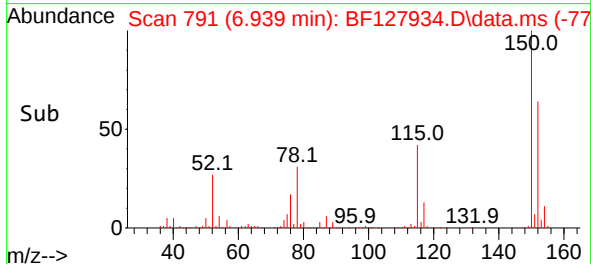
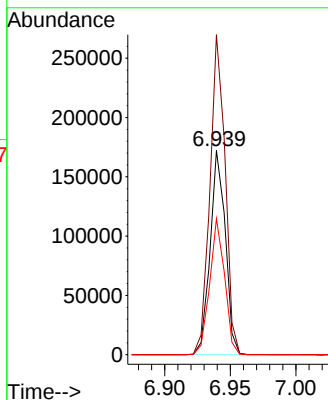
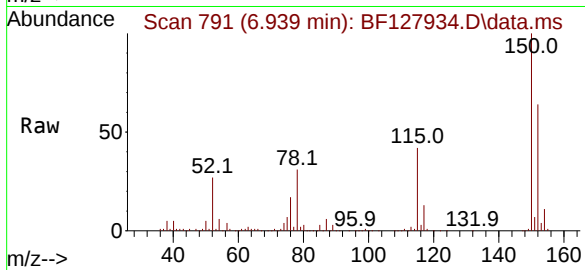




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

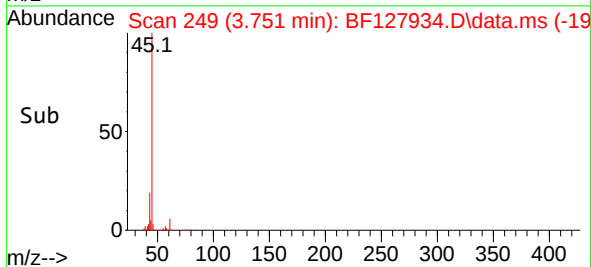
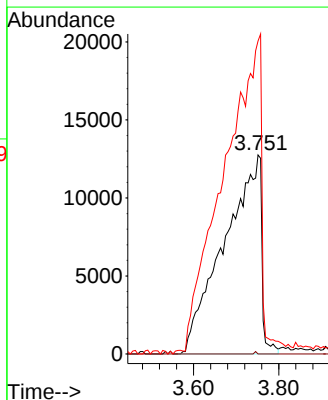
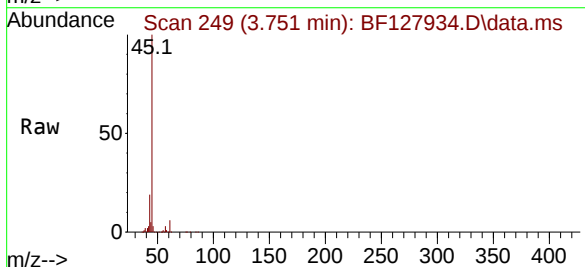
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

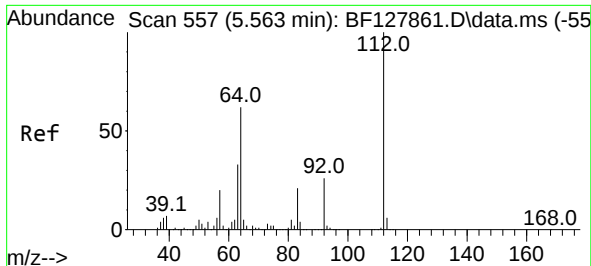
Tgt Ion:152 Resp: 138907
Ion Ratio Lower Upper
152 100
150 156.7 125.3 187.9
115 66.6 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 14.956 ng
RT: 3.751 min Scan# 249
Delta R.T. 0.229 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion: 42 Resp: 77181
Ion Ratio Lower Upper
42 100
74 0.0 99.0 148.4#
44 157.2 5.2 7.8#

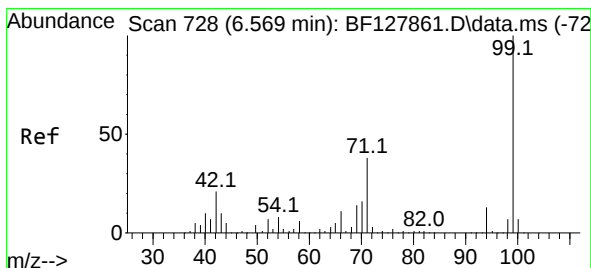
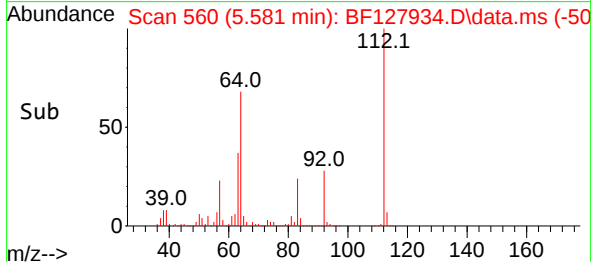
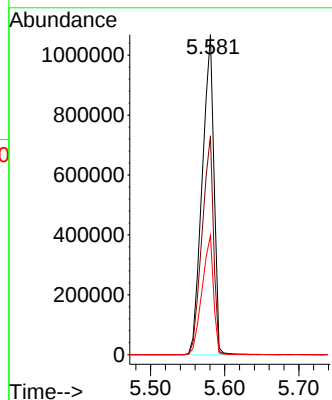
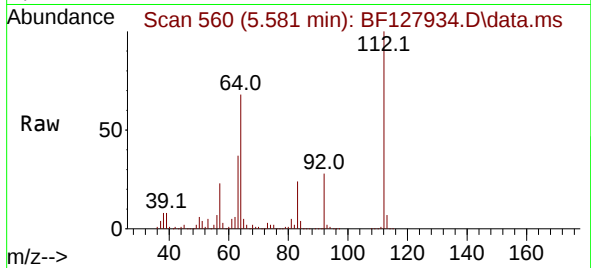




#5
2-Fluorophenol
Concen: 135.582 ng
RT: 5.581 min Scan# 50
Delta R.T. 0.018 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

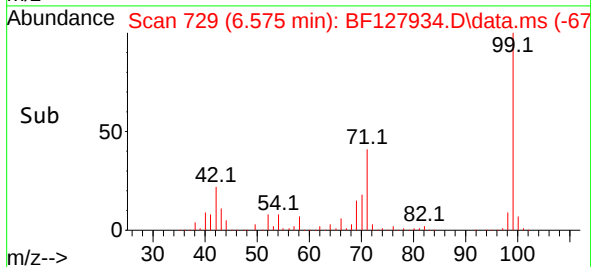
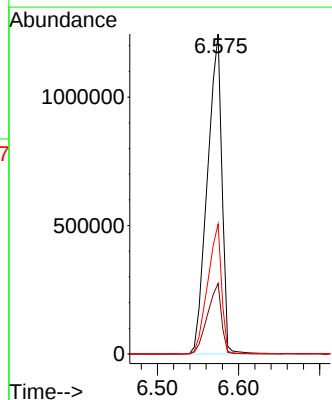
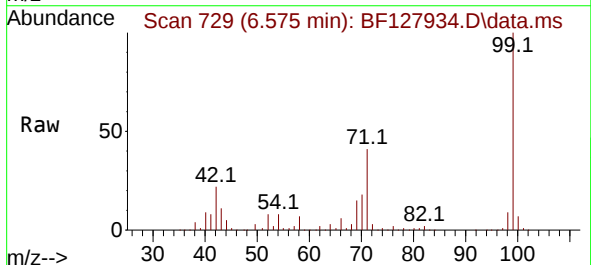
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

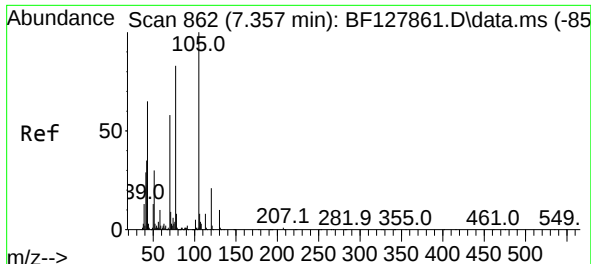
Tgt Ion:112 Resp: 1182412
Ion Ratio Lower Upper
112 100
64 68.4 49.5 74.3
63 37.2 26.3 39.5



#7
Phenol-d6
Concen: 136.389 ng
RT: 6.575 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion: 99 Resp: 1543398
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 40.6 30.0 45.0

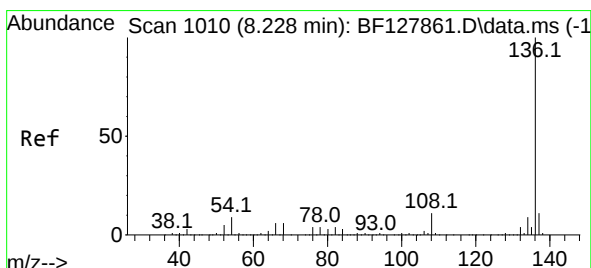
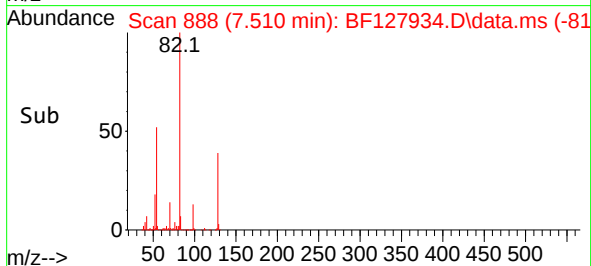
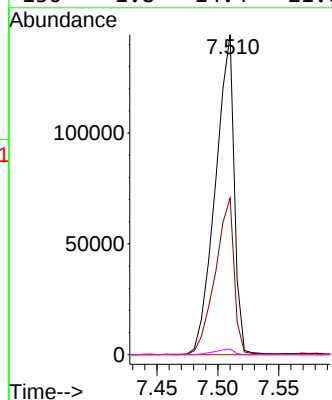
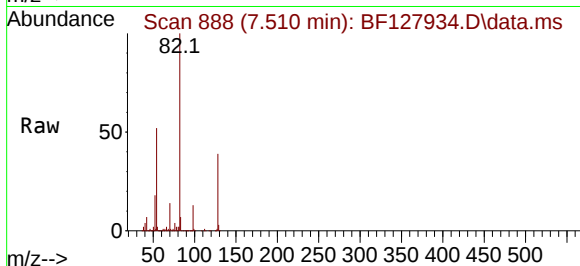




#19
n-Nitroso-di-n-propylamine
Concen: 22.496 ng
RT: 7.510 min Scan# 81
Delta R.T. 0.153 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

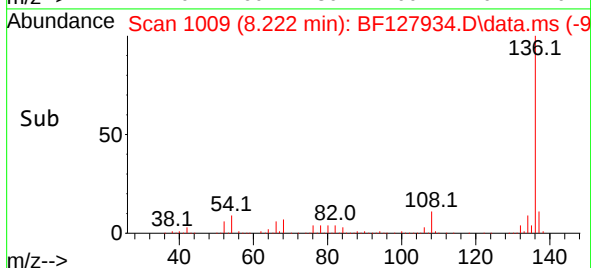
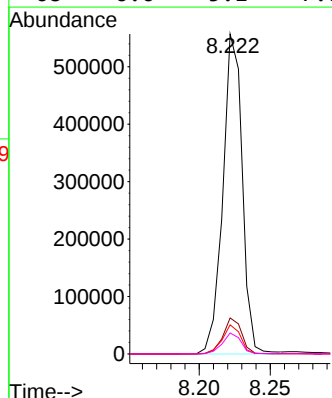
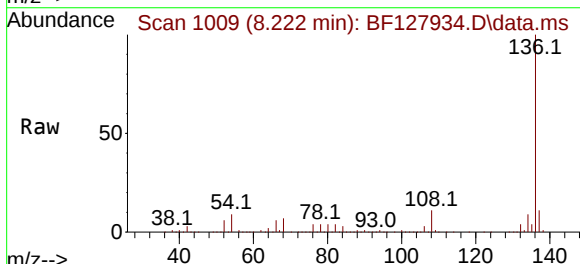
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

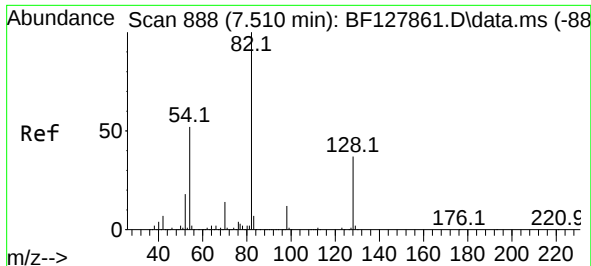
Tgt Ion: 70 Resp: 155835
Ion Ratio Lower Upper
70 100
42 48.9 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion: 136 Resp: 528839
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.1 6.8 10.2
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 101.803 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.000 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Instrument :

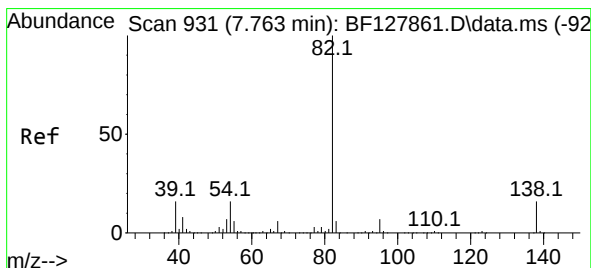
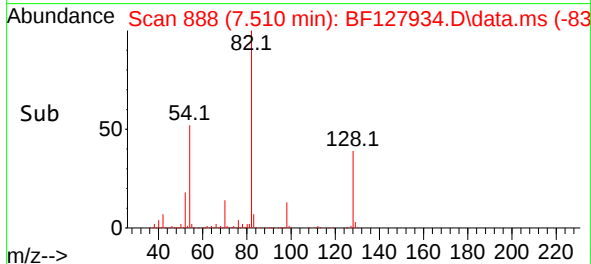
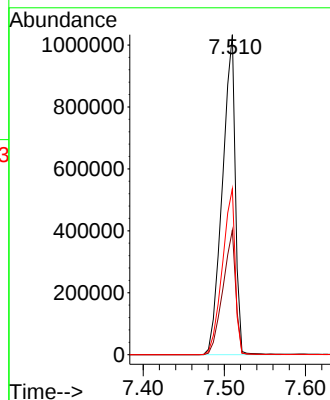
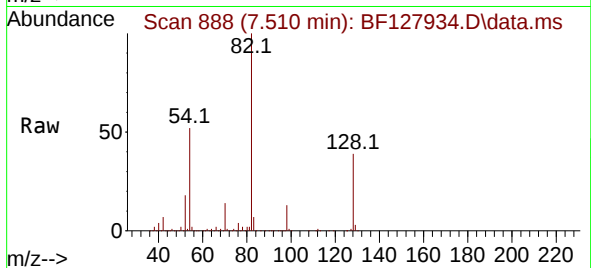
BNA_F

ClientSampleId :

RBR-2520253

Tgt Ion: 82 Resp: 1144889

Ion	Ratio	Lower	Upper
82	100		
128	38.9	30.0	45.0
54	51.9	41.3	61.9



#25

Isophorone

Concen: 60.481 ng

RT: 7.510 min Scan# 888

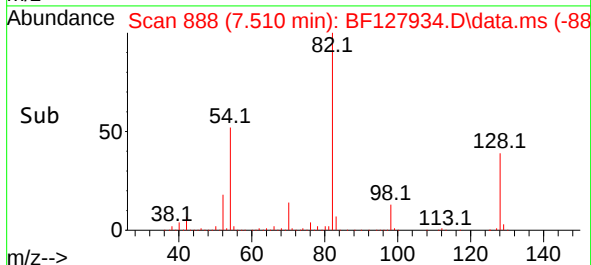
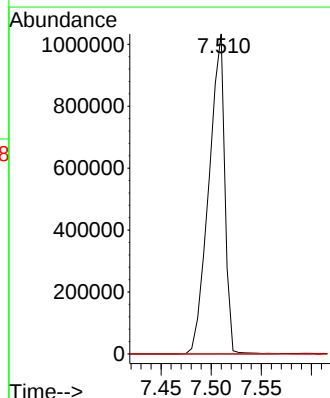
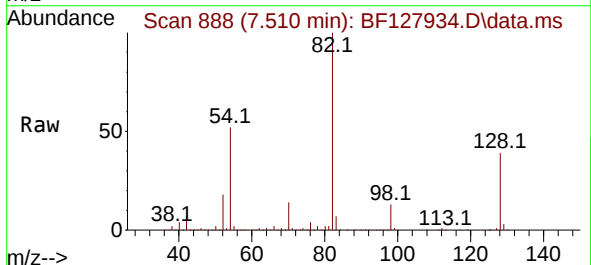
Delta R.T. -0.253 min

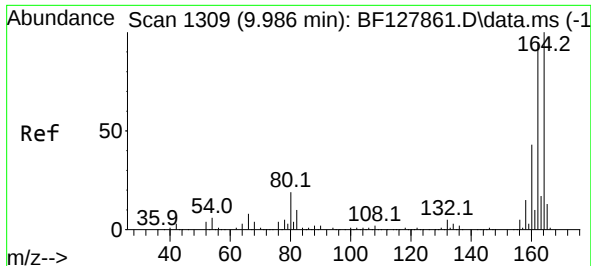
Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Tgt Ion: 82 Resp: 1144786

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	12.5	18.7#





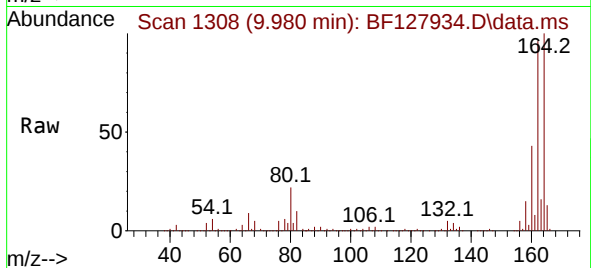
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Instrument :

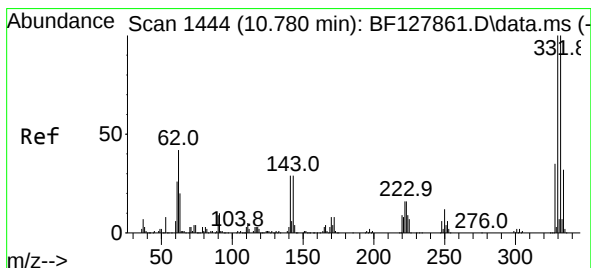
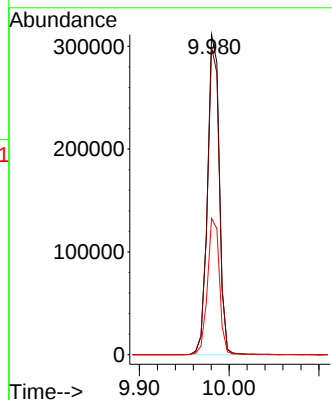
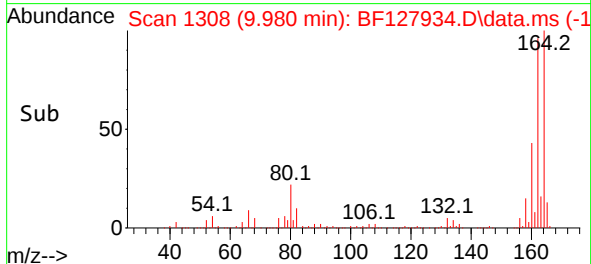
BNA_F

ClientSampleId :

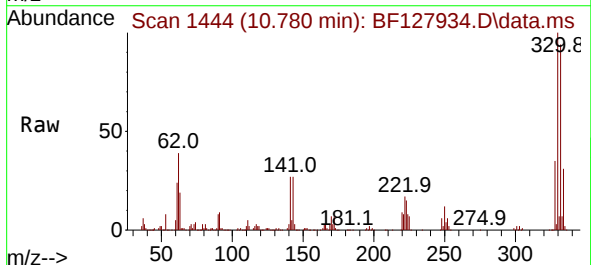
RBR-2520253



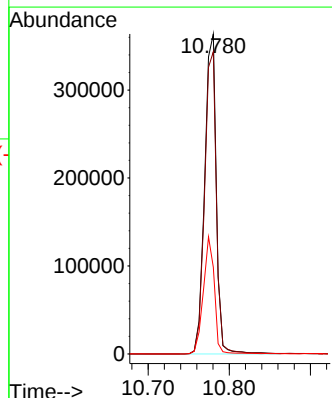
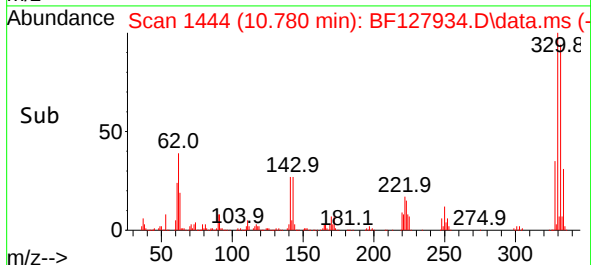
Tgt Ion:164 Resp: 284577
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 42.6 34.8 52.2

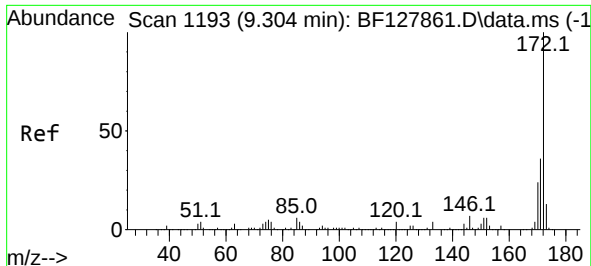


#42
2,4,6-Tribromophenol
Concen: 126.162 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30



Tgt Ion:330 Resp: 361421
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.4
141 35.0 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 99.193 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Instrument :

BNA_F

ClientSampleId :

RBR-2520253

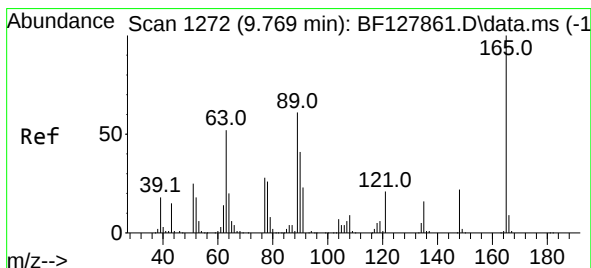
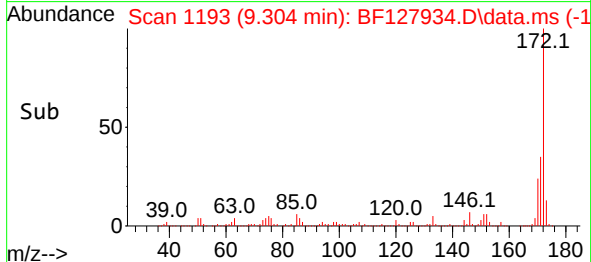
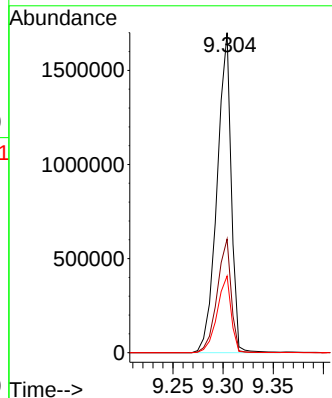
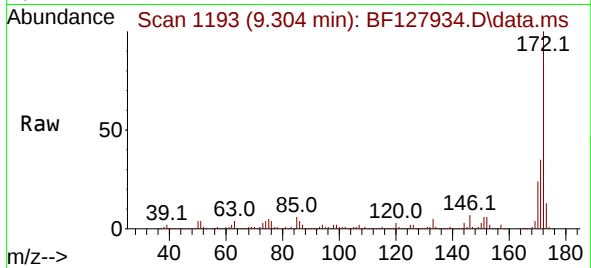
Tgt Ion:172 Resp: 1668572

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 24.0 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.219 ng

RT: 9.980 min Scan# 1308

Delta R.T. 0.211 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

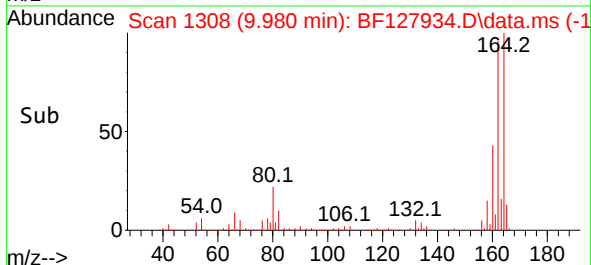
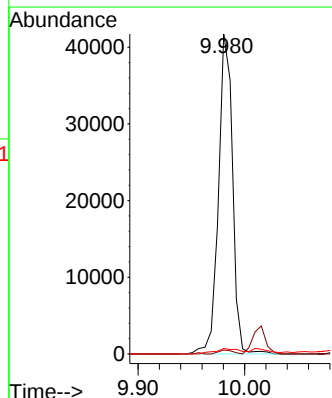
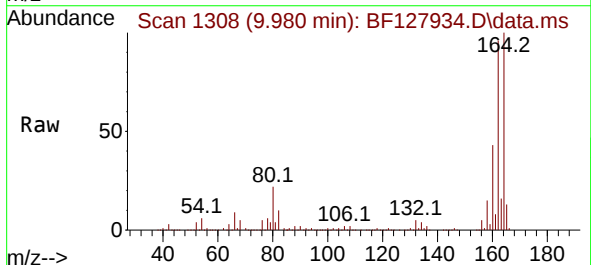
Tgt Ion:165 Resp: 38093

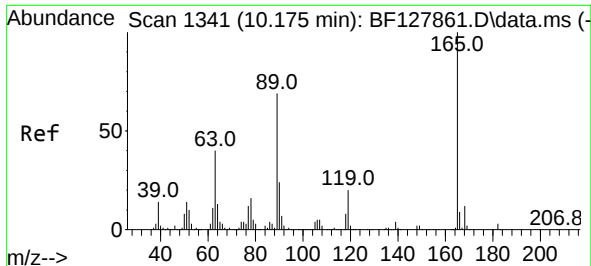
Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.7 49.0 73.4#

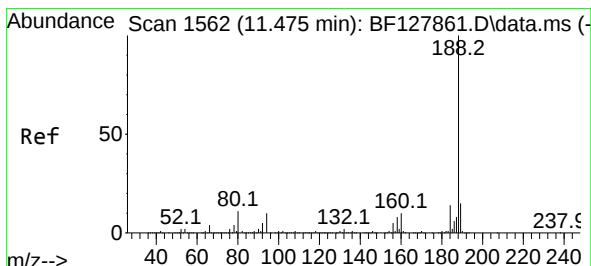
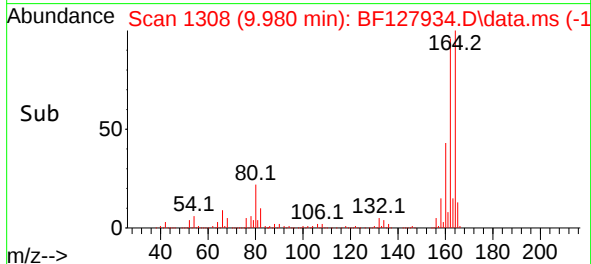
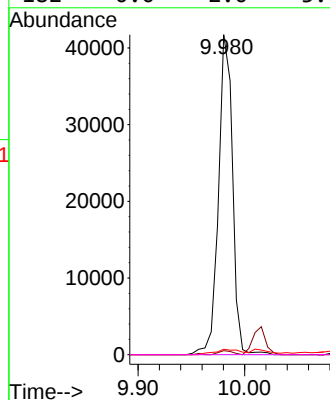
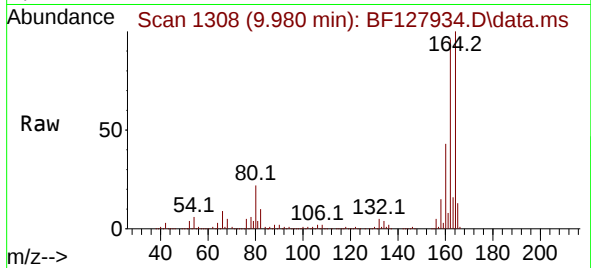




#57
2,4-Dinitrotoluene
Concen: 6.960 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

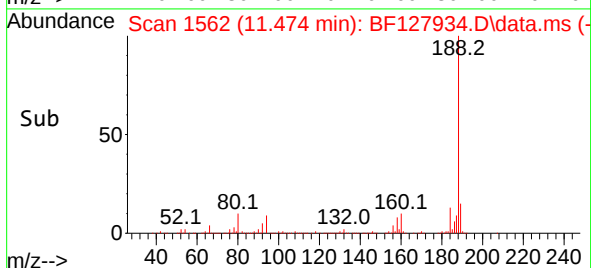
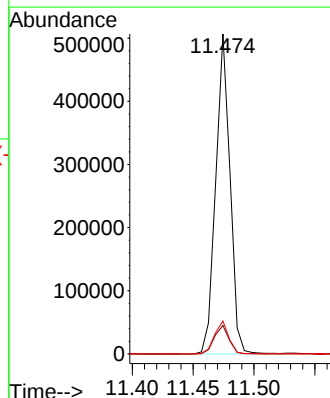
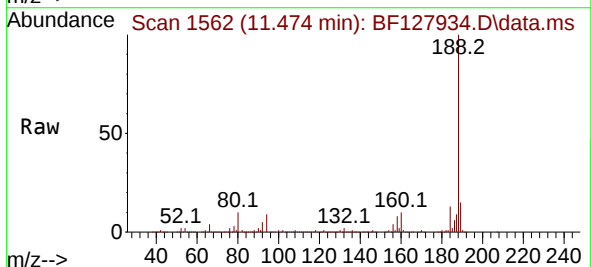
Instrument :
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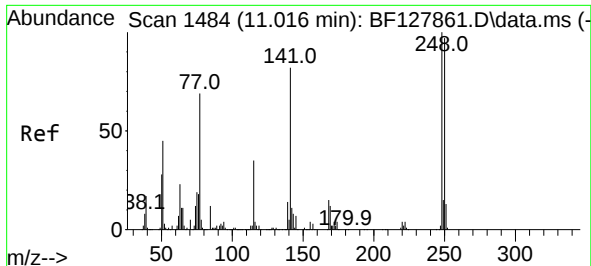
Tgt Ion:165 Resp: 38093
Ion Ratio Lower Upper
165 100
63 1.2 32.6 49.0#
89 1.7 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion:188 Resp: 414920
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 10.3 8.9 13.3

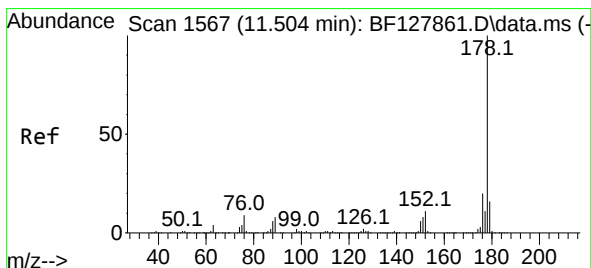
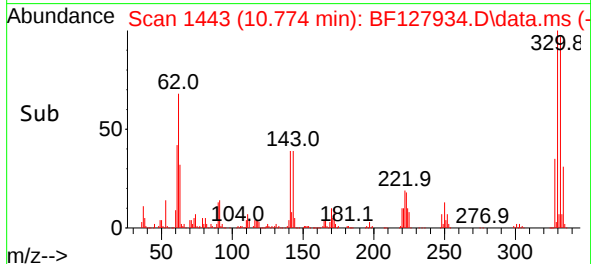
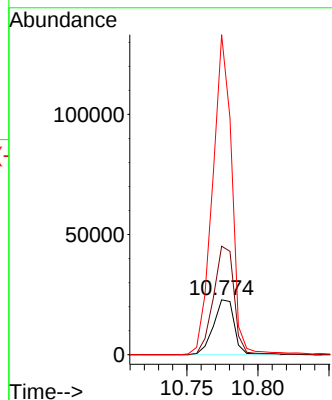
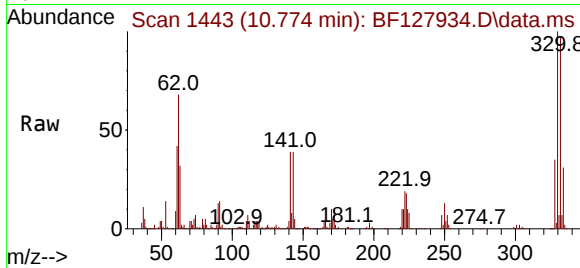




#67
4-Bromophenyl-phenylether
Concen: 5.065 ng
RT: 10.774 min Scan# 1484
Delta R.T. -0.241 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

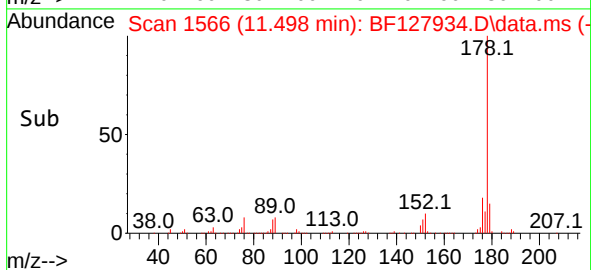
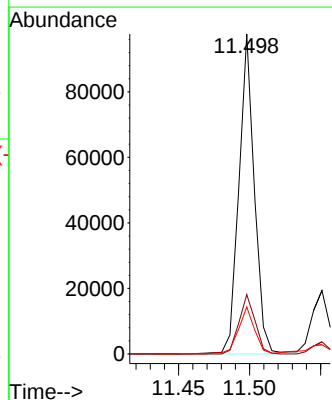
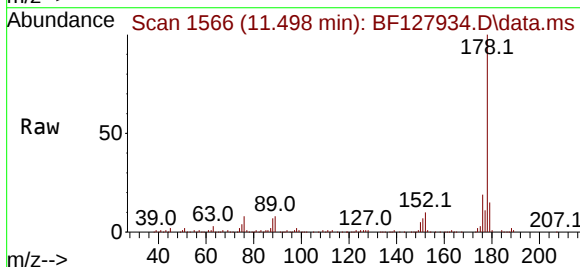
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

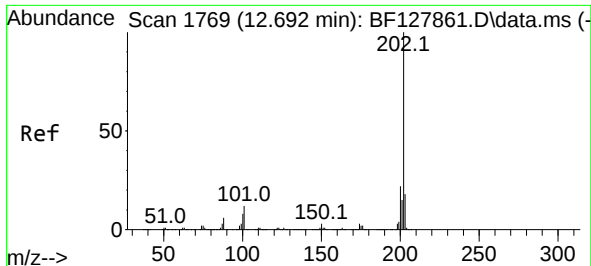
Tgt Ion:248 Resp: 23297
Ion Ratio Lower Upper
248 100
250 197.7 77.7 116.5#
141 582.9 65.6 98.4#



#71
Phenanthrene
Concen: 3.406 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion:178 Resp: 73975
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 14.7 12.6 19.0

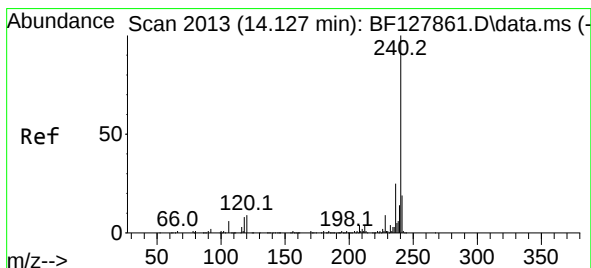
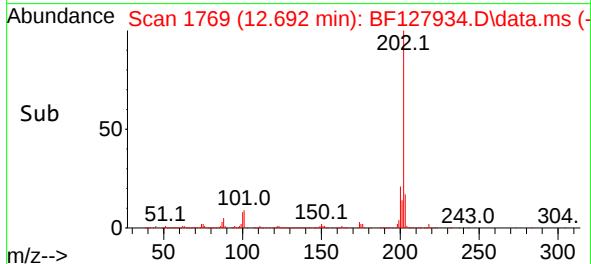
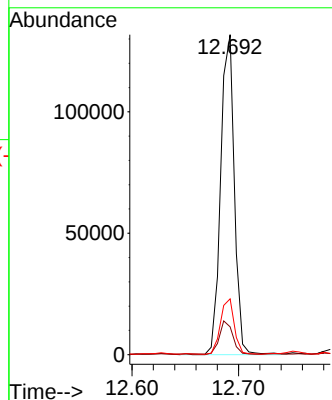
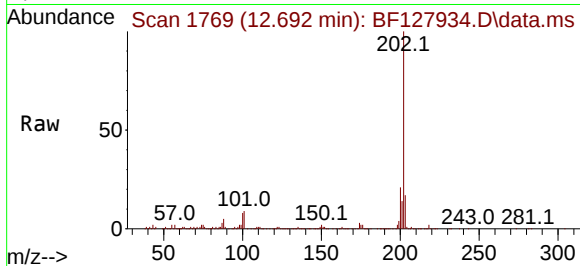




#75
Fluoranthene
Concen: 5.141 ng
RT: 12.692 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

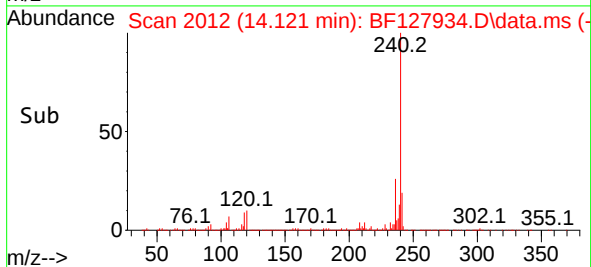
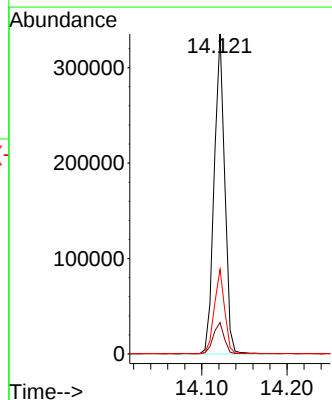
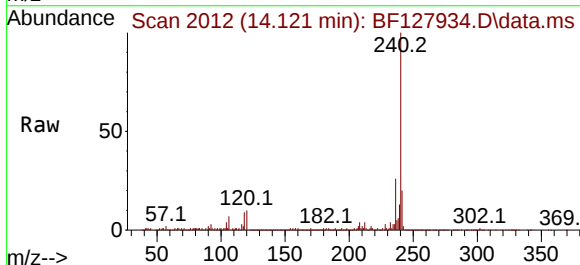
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

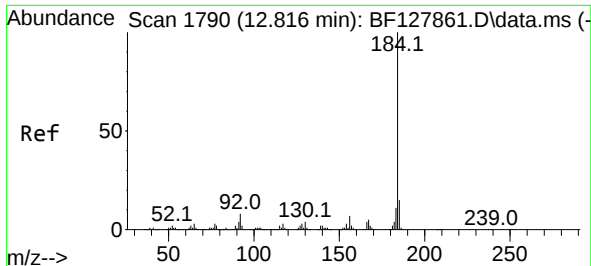
Tgt Ion:202 Resp: 117514
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.6
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion:240 Resp: 289584
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 26.5 20.3 30.5

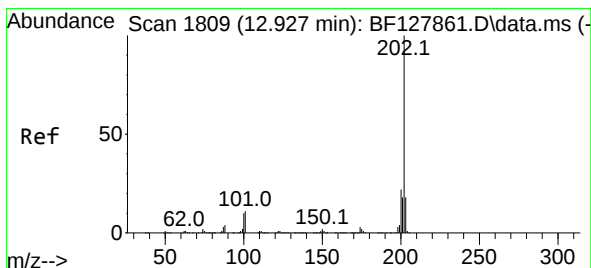
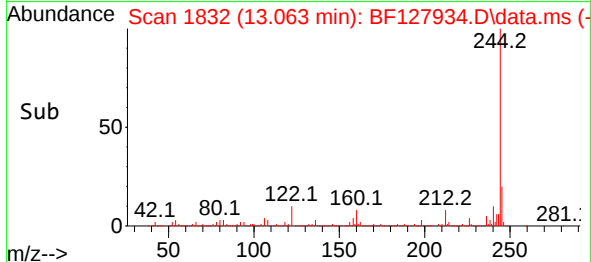
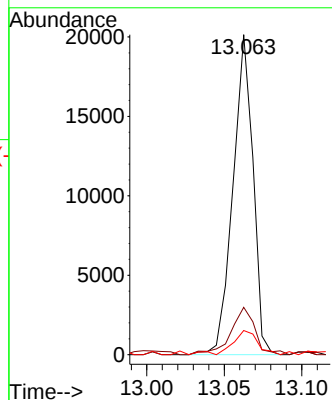
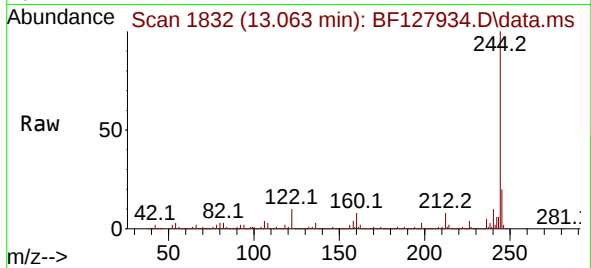




#77
Benzidine
Concen: 3.303 ng
RT: 13.063 min Scan# 1832
Delta R.T. 0.247 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

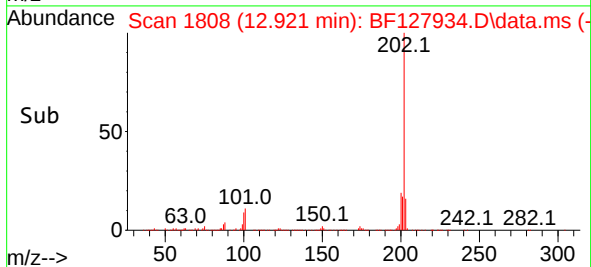
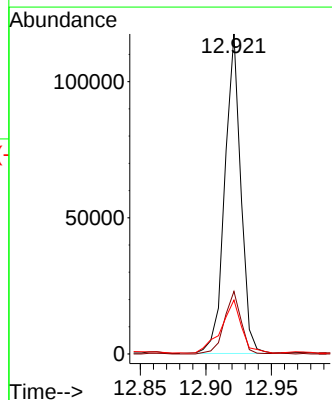
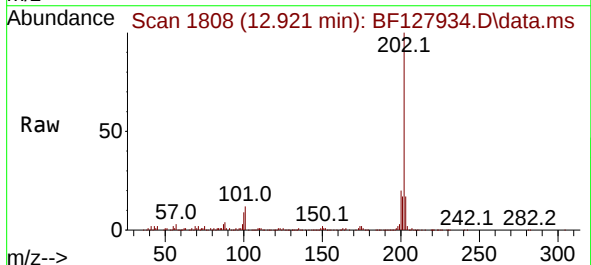
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

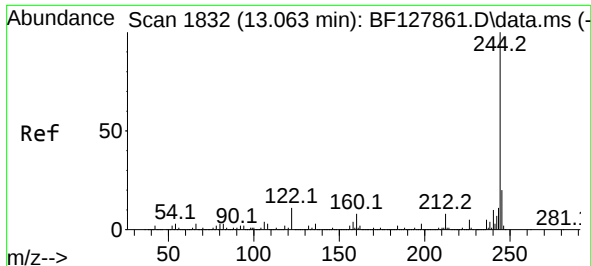
Tgt Ion:184 Resp: 18100
Ion Ratio Lower Upper
184 100
185 14.8 12.1 18.1
183 7.6 9.0 13.4#



#78
Pyrene
Concen: 4.258 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion:202 Resp: 99543
Ion Ratio Lower Upper
202 100
200 19.5 17.4 26.2
203 16.8 14.0 21.0

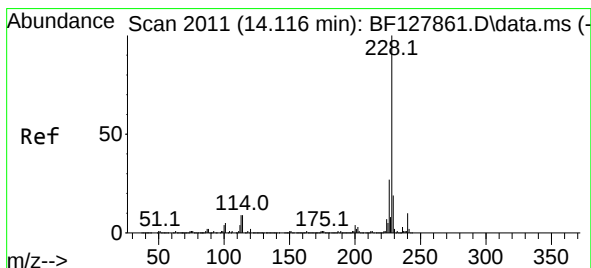
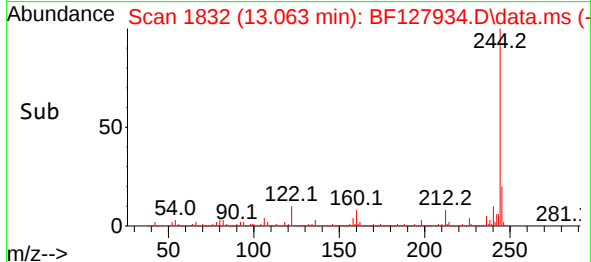
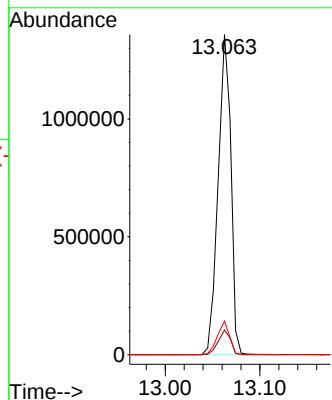
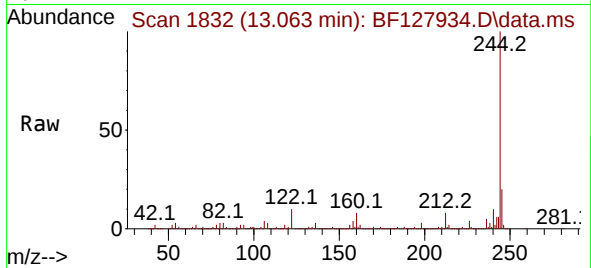




#79
 Terphenyl-d14
 Concen: 80.266 ng
 RT: 13.063 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF127934.D
 Acq: 27 Apr 2022 01:30

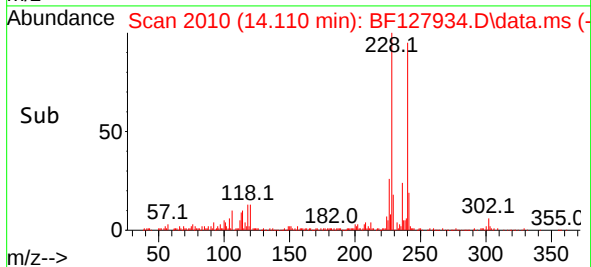
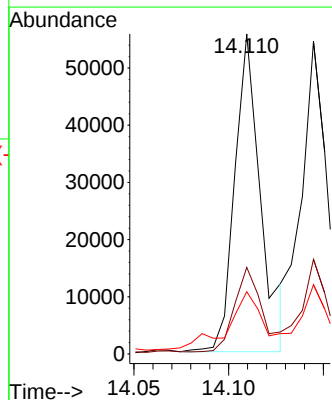
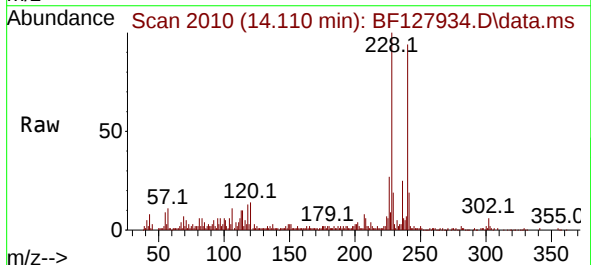
Instrument :
 BNA_F
 ClientSampleId :
 RBR-2520253

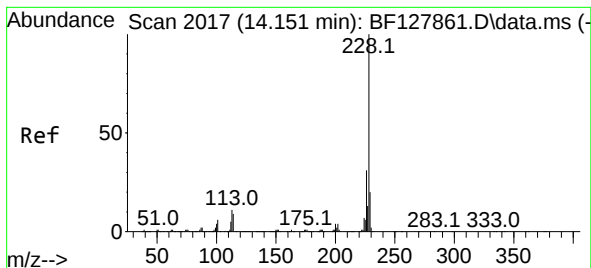
Tgt Ion:244 Resp: 1271151
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 10.5 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 2.740 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF127934.D
 Acq: 27 Apr 2022 01:30

Tgt Ion:228 Resp: 52886
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.7 32.5
 229 19.5 15.4 23.2





#83

Chrysene

Concen: 2.716 ng

RT: 14.145 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Instrument :

BNA_F

ClientSampleId :

RBR-2520253

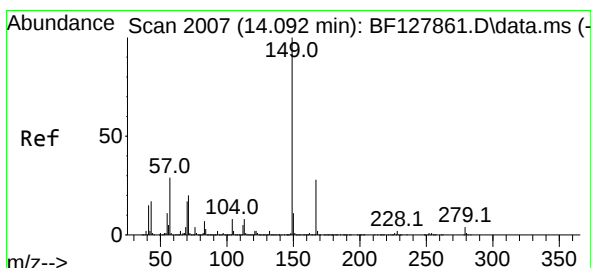
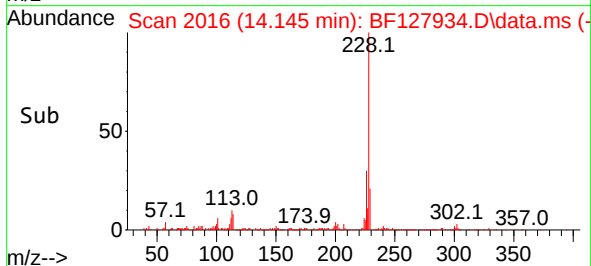
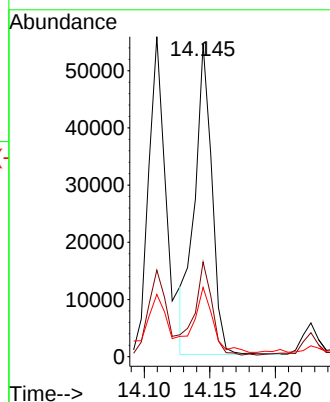
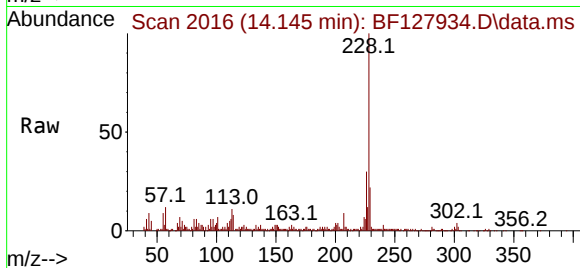
Tgt Ion:228 Resp: 50071

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 22.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.153 ng

RT: 14.086 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

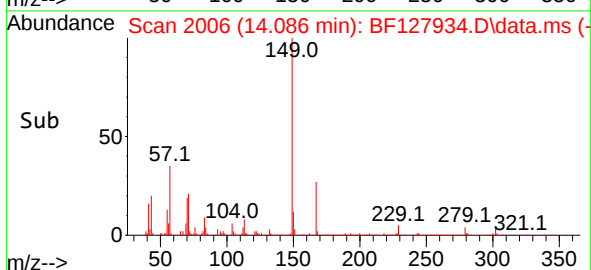
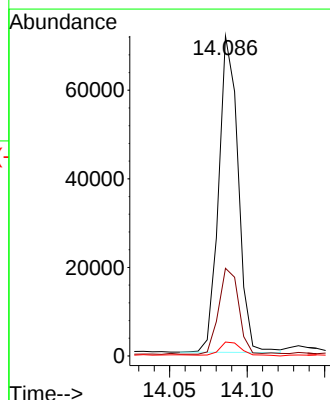
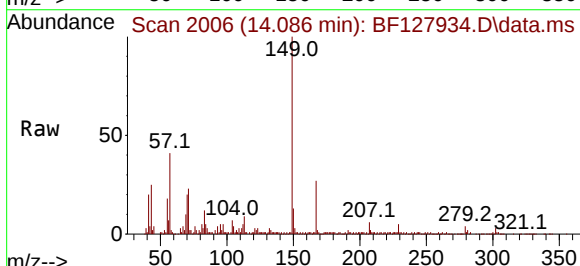
Tgt Ion:149 Resp: 62611

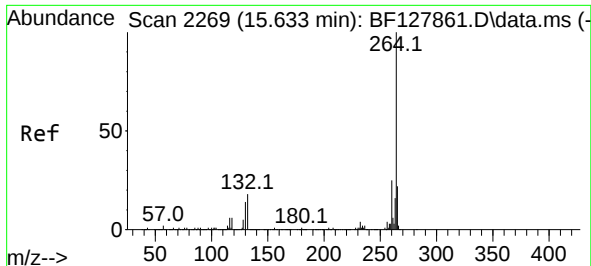
Ion Ratio Lower Upper

149 100

167 27.4 22.0 33.0

279 4.3 3.4 5.0

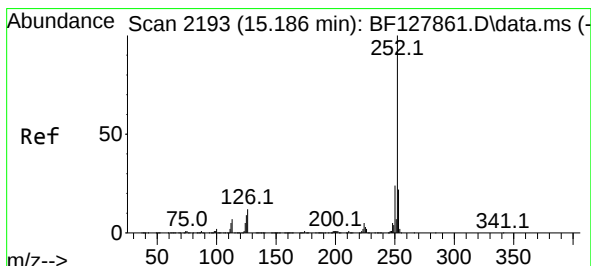
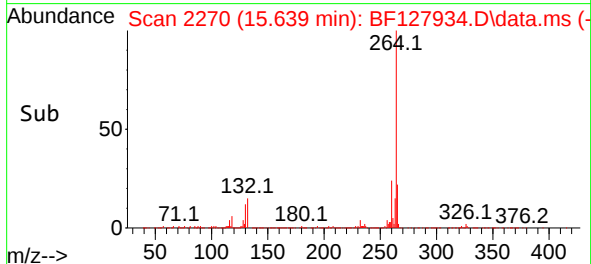
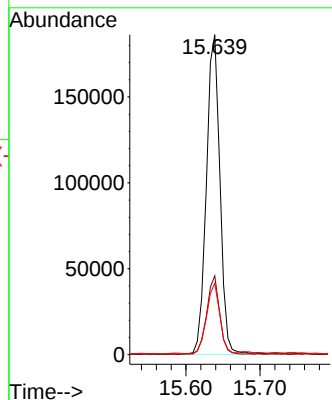
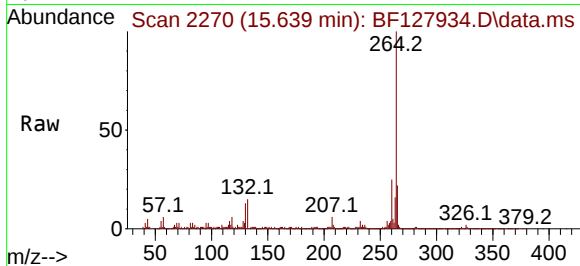




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

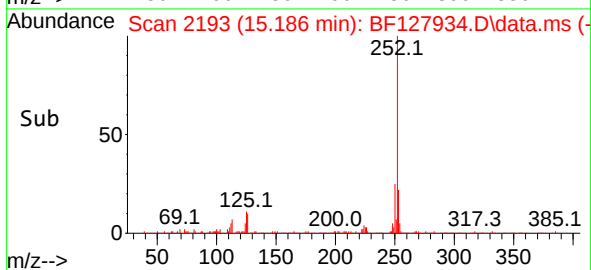
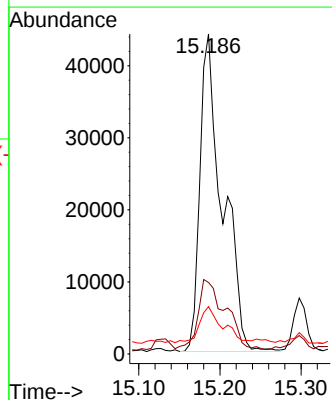
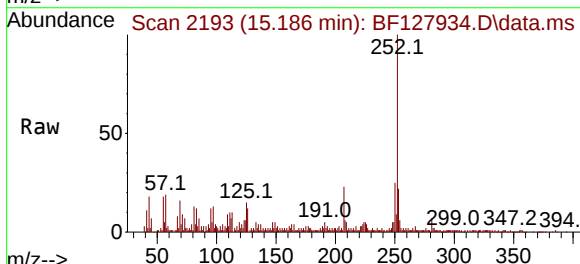
Instrument :
BNA_F
ClientSampleId :
RBR-2520253

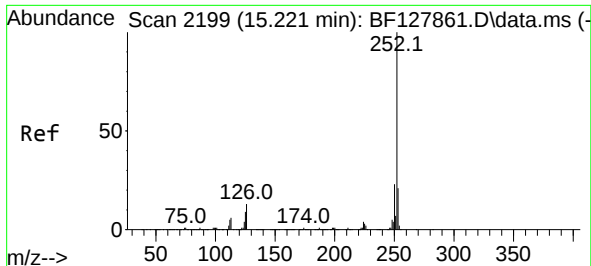
Tgt Ion:264 Resp: 236767
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 22.3 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 5.731 ng
RT: 15.186 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF127934.D
Acq: 27 Apr 2022 01:30

Tgt Ion:252 Resp: 85219
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 14.8 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 5.688 ng

RT: 15.186 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Instrument :

BNA_F

ClientSampleId :

RBR-2520253

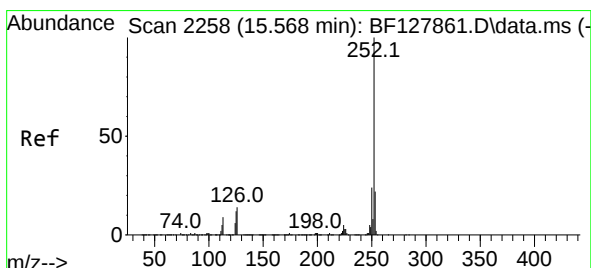
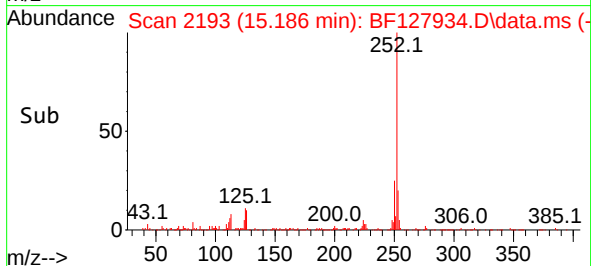
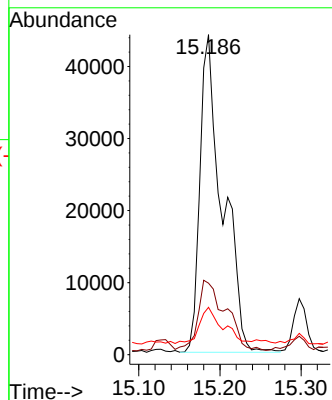
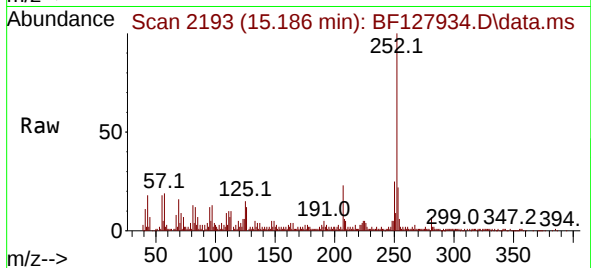
Tgt Ion:252 Resp: 85219

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

125 14.8 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 3.293 ng

RT: 15.568 min Scan# 2258

Delta R.T. -0.000 min

Lab File: BF127934.D

Acq: 27 Apr 2022 01:30

Tgt Ion:252 Resp: 40616

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 13.3 9.2 13.8

