

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022322\
 Data File : BF127038.D
 Acq On : 23 Feb 2022 14:35
 Operator : CG\JU
 Sample : N1635-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-124019

Quant Time: Feb 24 02:16:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

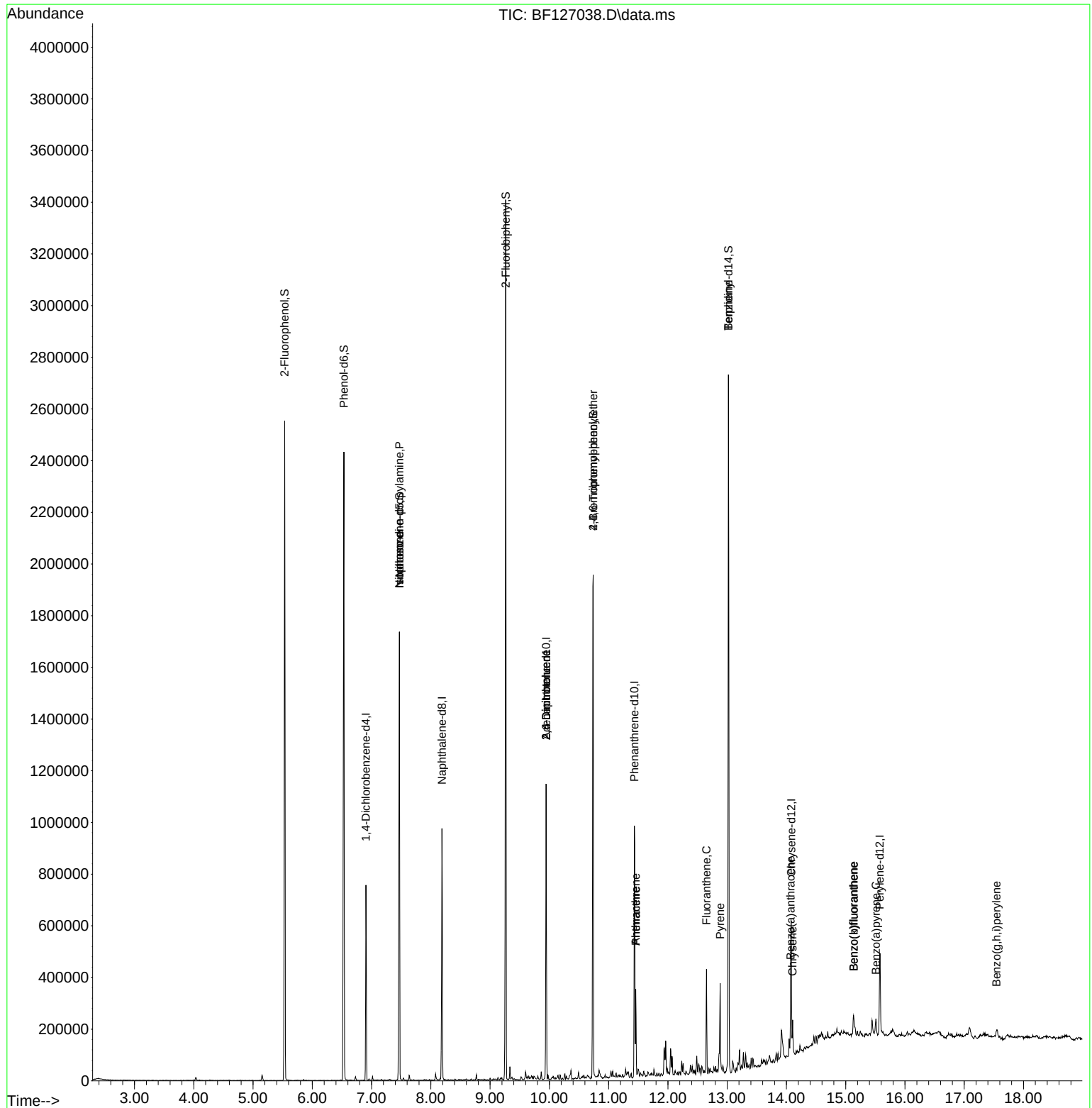
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	94724	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	387752	20.000	ng	# 0.00
39) Acenaphthene-d10	9.945	164	194313	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	336971	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	151656	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	143232	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	596687	97.359	ng	0.00
7) Phenol-d6	6.534	99	780686	94.402	ng	0.00
23) Nitrobenzene-d5	7.469	82	552342	64.297	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	230087	102.844	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	893714	67.710	ng	0.00
79) Terphenyl-d14	13.022	244	866178	83.961	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	76934	14.437	ng	# 81
25) Isophorone	7.469	82	552156	38.843	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	25773	9.121	ng	# 21
57) 2,4-Dinitrotoluene	9.945	165	25773	6.746	ng	# 15
67) 4-Bromophenyl-phenylether	10.739	248	13982	3.714	ng	# 1
71) Phenanthrene	11.457	178	104719	5.552	ng	100
72) Anthracene	11.457	178	104719	5.577	ng	99
75) Fluoranthene	12.651	202	129578	7.236	ng	93
77) Benzidine	13.022	184	13606	3.301	ng	95
78) Pyrene	12.880	202	121366	9.211	ng	100
81) Benzo(a)anthracene	14.069	228	31590	3.090	ng	96
83) Chrysene	14.104	228	45052	4.686	ng	98
88) Benzo(b)fluoranthene	15.133	252	52661	5.474	ng	99
89) Benzo(k)fluoranthene	15.133	252	52661	5.675	ng	97
90) Benzo(a)pyrene	15.510	252	26127	3.477	ng	# 91
92) Benzo(g,h,i)perylene	17.545	276	17134	2.237	ng	# 86

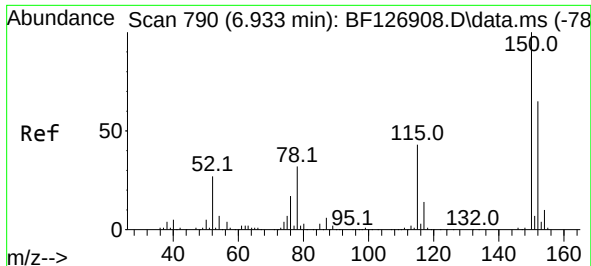
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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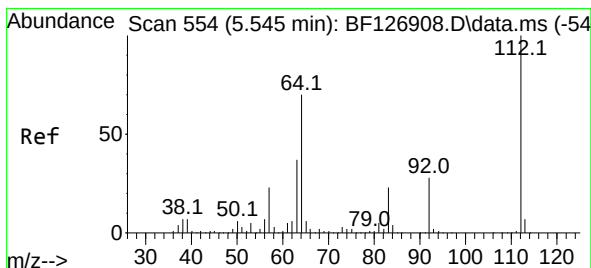
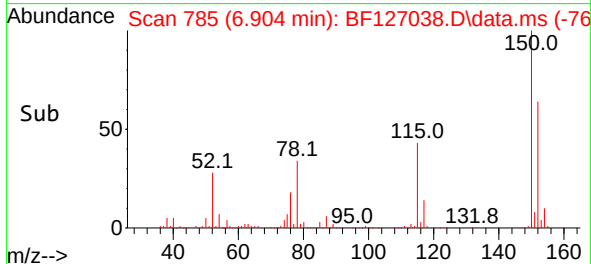
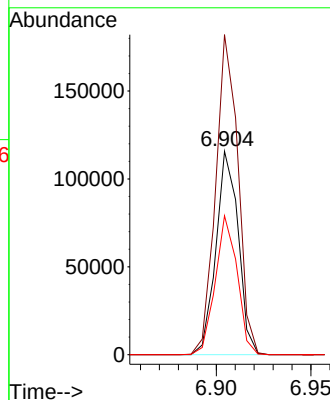
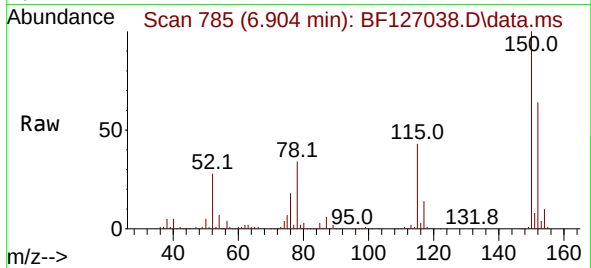




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

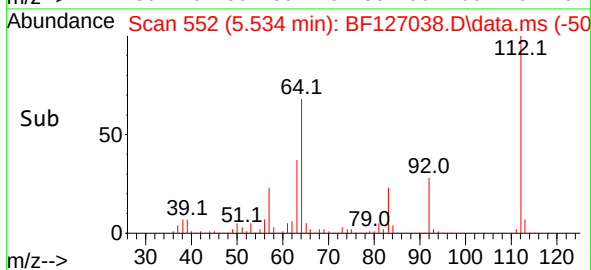
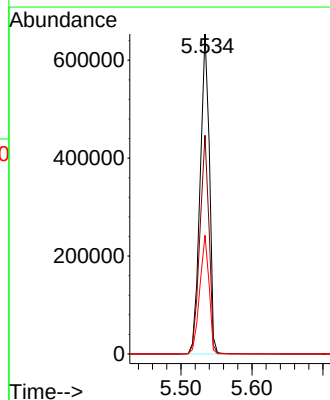
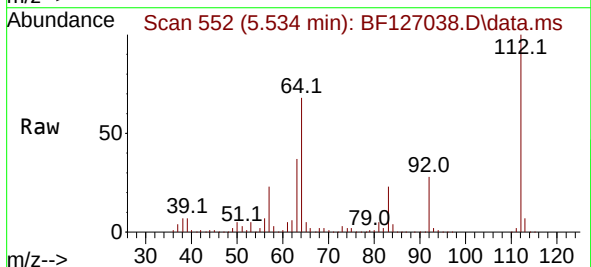
Instrument :
BNA_F
ClientSampleId :
RO-124019

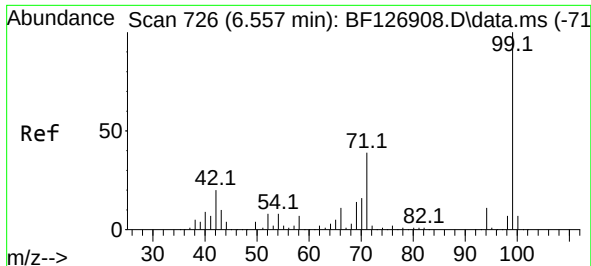
Tgt Ion:152 Resp: 94724
Ion Ratio Lower Upper
152 100
150 157.3 128.1 192.1
115 68.3 56.7 85.1



#5
2-Fluorophenol
Concen: 97.359 ng
RT: 5.534 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:112 Resp: 596687
Ion Ratio Lower Upper
112 100
64 68.4 49.5 74.3
63 37.1 23.9 35.9#

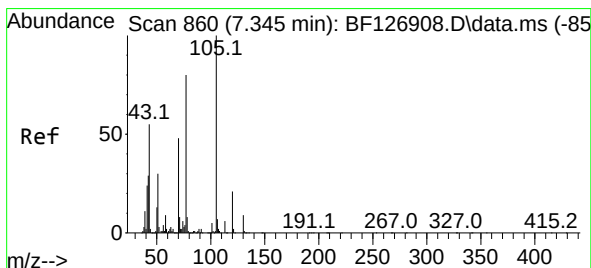
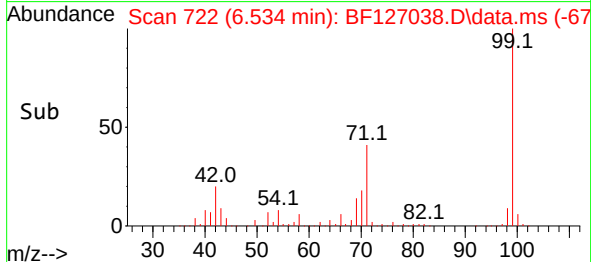
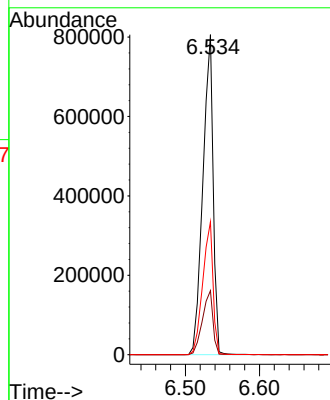
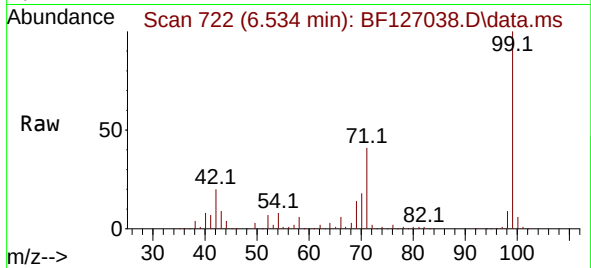




#7
Phenol-d6
Concen: 94.402 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

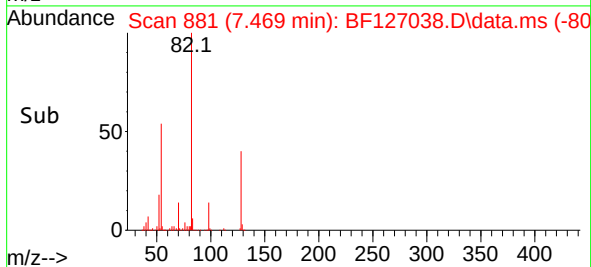
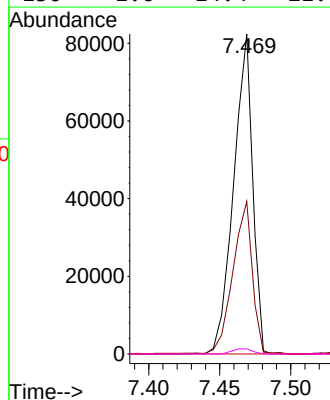
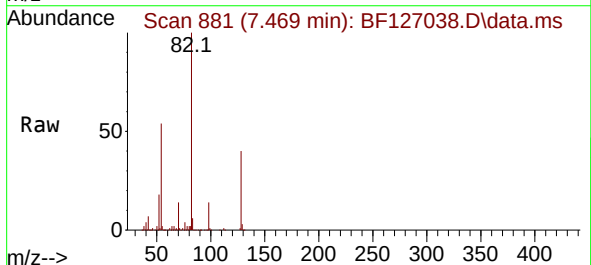
Instrument :
BNA_F
ClientSampleId :
RO-124019

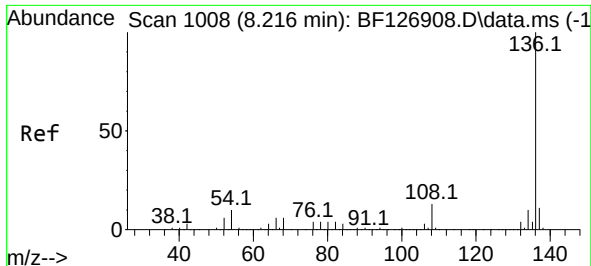
Tgt Ion: 99 Resp: 780686
Ion Ratio Lower Upper
99 100
42 20.0 14.2 21.4
71 41.5 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 14.437 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.147 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

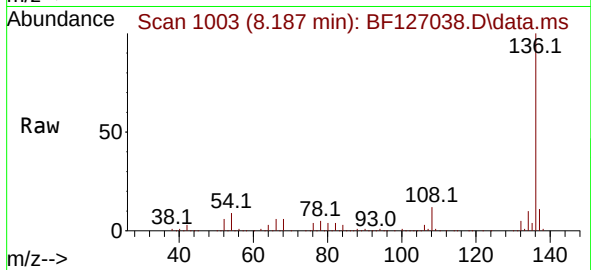
Tgt Ion: 70 Resp: 76934
Ion Ratio Lower Upper
70 100
42 47.6 45.8 68.8
101 0.0 6.9 10.3#
130 1.6 14.4 21.6#



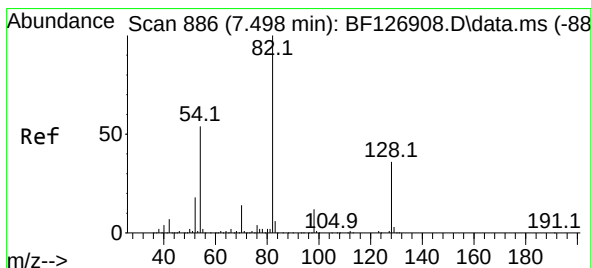
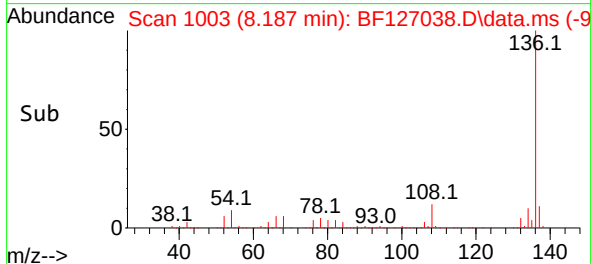
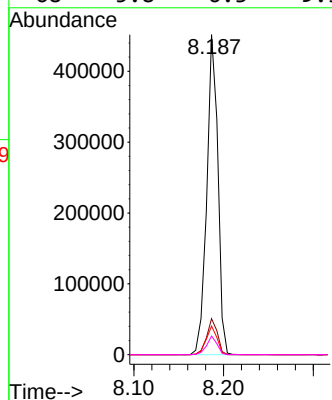


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Instrument :
BNA_F
ClientSampleId :
RO-124019

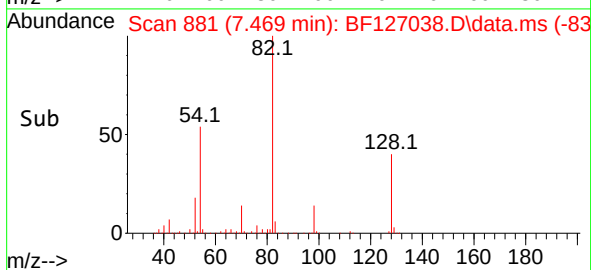
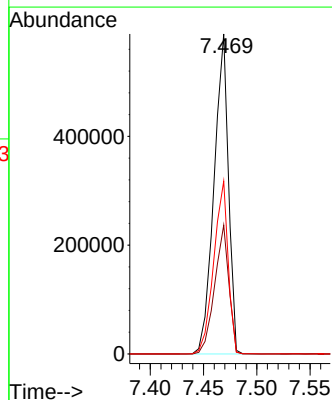
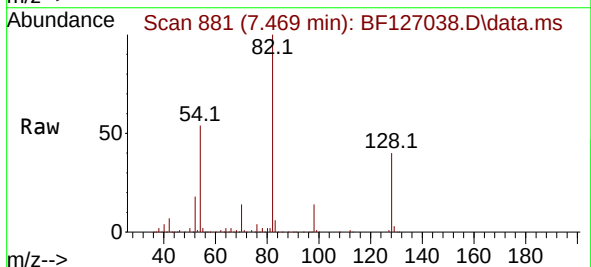


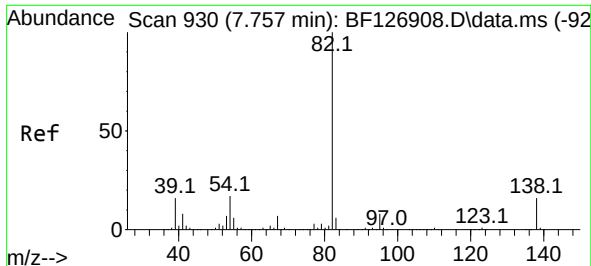
Tgt Ion:136 Resp: 387752
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.0 7.8 11.6
68 5.8 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 64.297 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion: 82 Resp: 552342
Ion Ratio Lower Upper
82 100
128 40.3 32.7 49.1
54 54.0 41.7 62.5

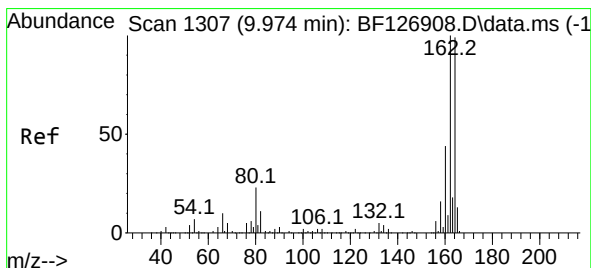
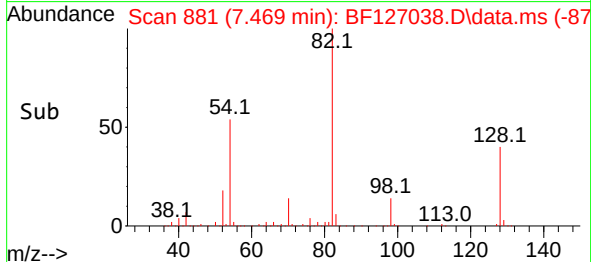
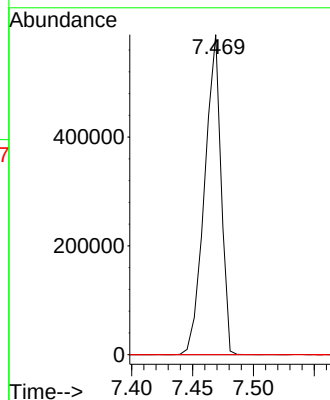
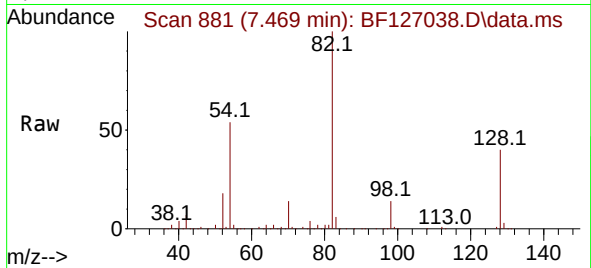




#25
Isophorone
Concen: 38.843 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

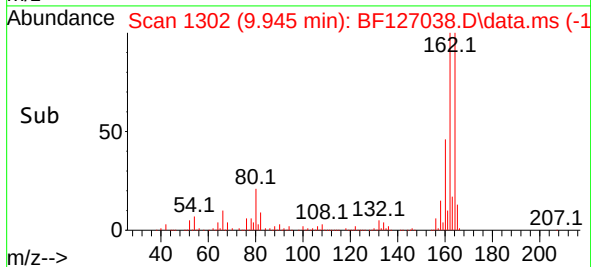
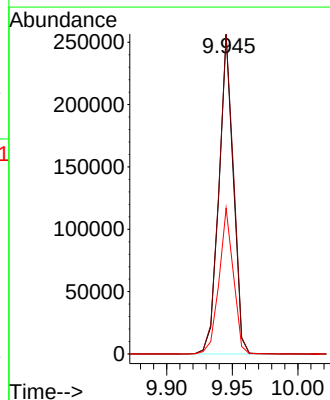
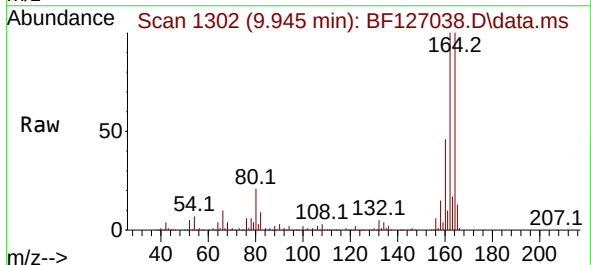
Instrument :
BNA_F
ClientSampleId :
RO-124019

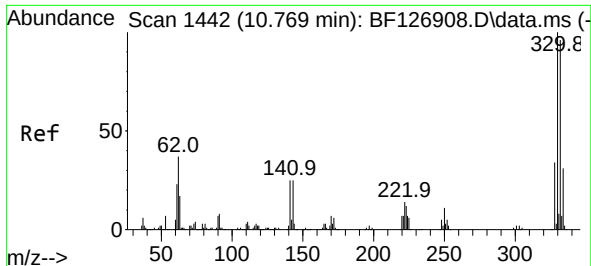
Tgt Ion: 82 Resp: 552156
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:164 Resp: 194313
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 45.6 36.6 54.8

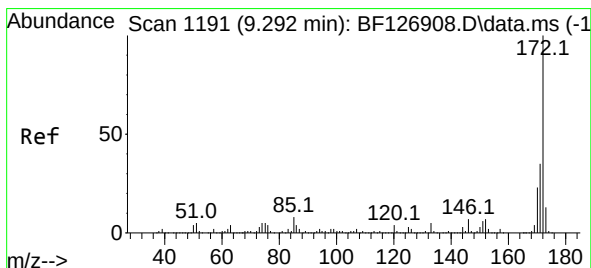
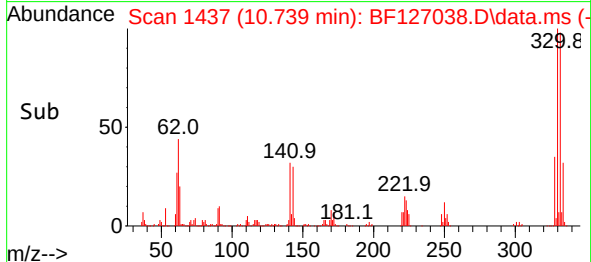
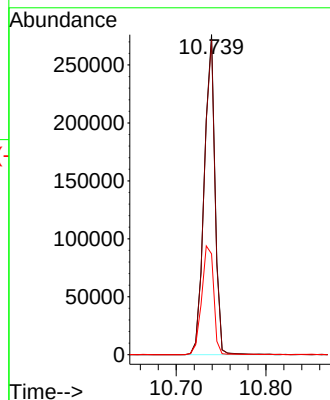
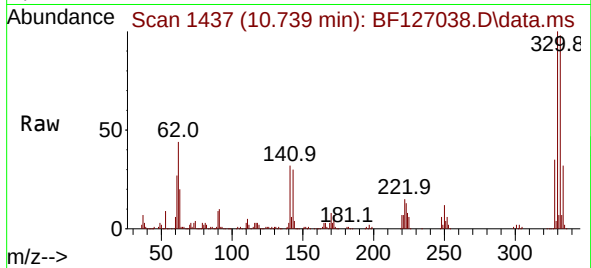




#42
2,4,6-Tribromophenol
Concen: 102.844 ng
RT: 10.739 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

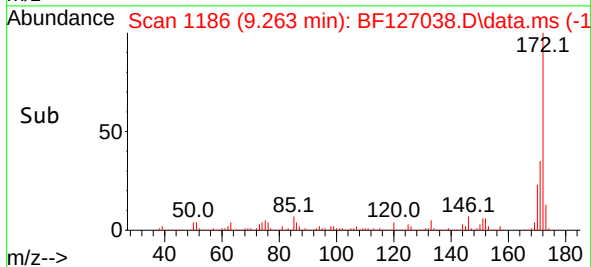
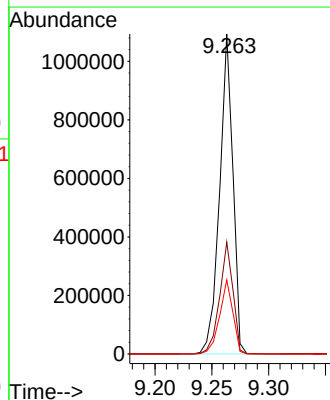
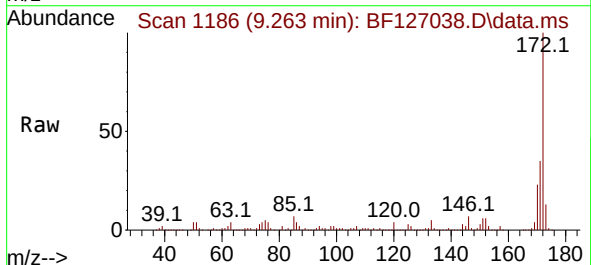
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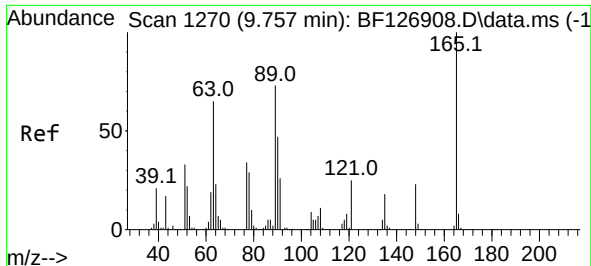
Tgt Ion:330 Resp: 230087
Ion Ratio Lower Upper
330 100
332 98.7 76.0 114.0
141 38.0 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 67.710 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:172 Resp: 893714
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.1 19.0 28.6

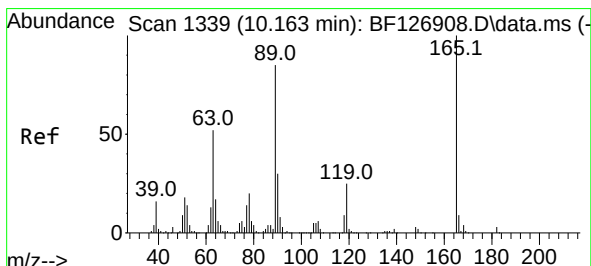
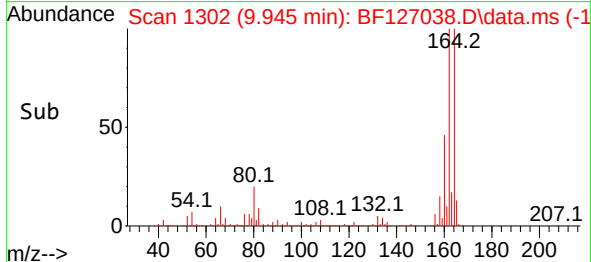
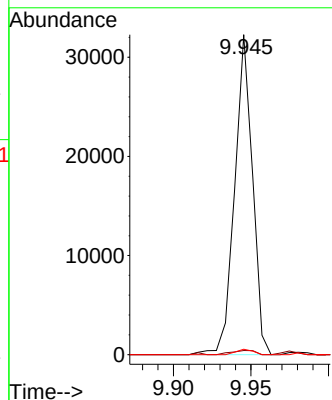
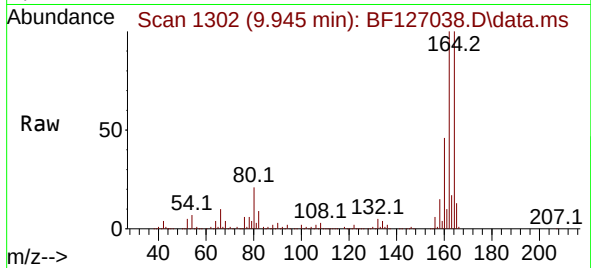




#51
2,6-Dinitrotoluene
Concen: 9.121 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

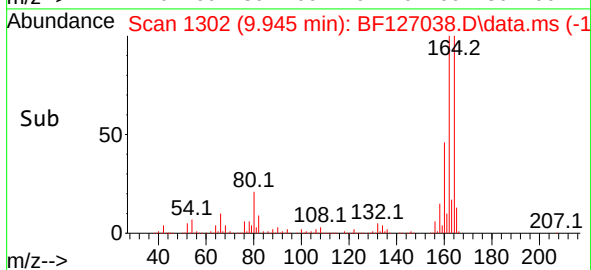
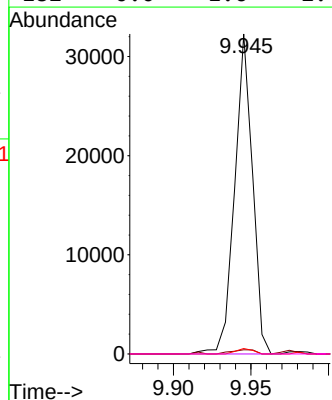
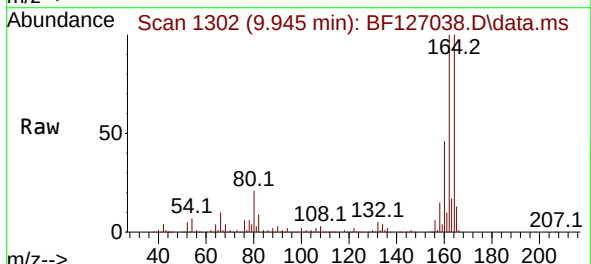
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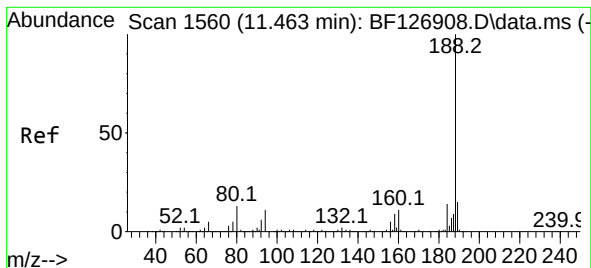
Tgt Ion:165 Resp: 25773
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.7 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.746 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.194 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:165 Resp: 25773
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 1.7 71.0 106.4#
182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF127038.D

Acq: 23 Feb 2022 14:35

Instrument :

BNA_F

ClientSampleId :

RO-124019

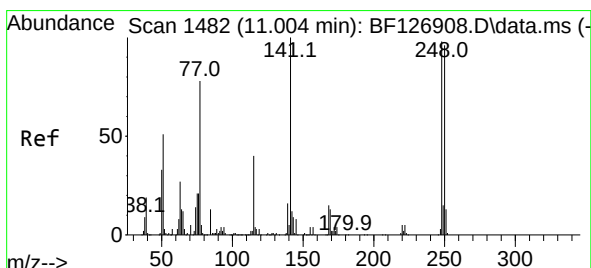
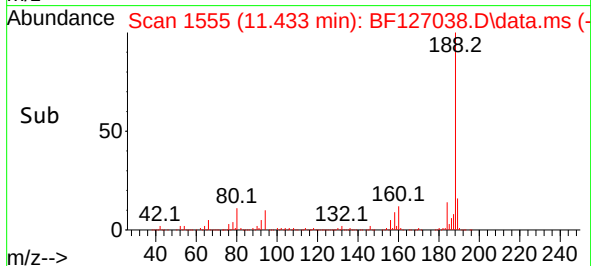
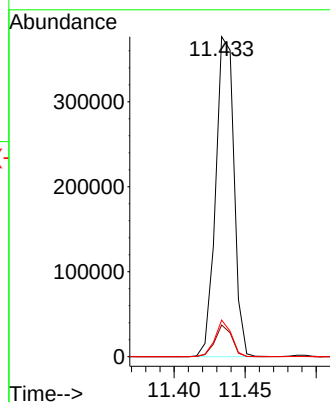
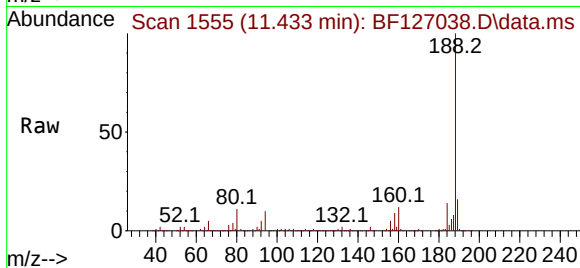
Tgt Ion:188 Resp: 336971

Ion Ratio Lower Upper

188 100

94 9.9 10.1 15.1#

80 11.4 11.8 17.6#



#67

4-Bromophenyl-phenylether

Concen: 3.714 ng

RT: 10.739 min Scan# 1437

Delta R.T. -0.247 min

Lab File: BF127038.D

Acq: 23 Feb 2022 14:35

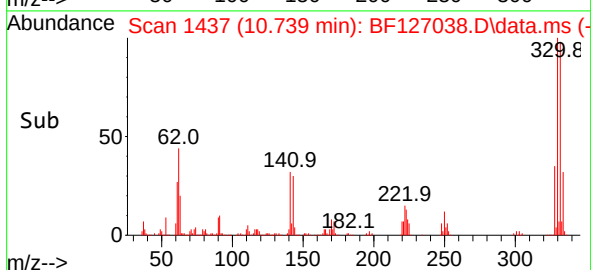
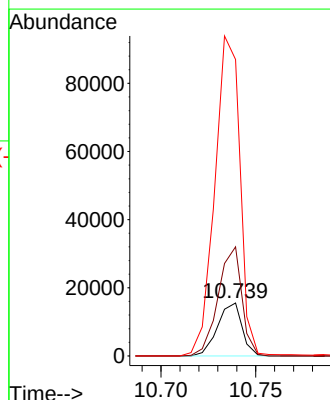
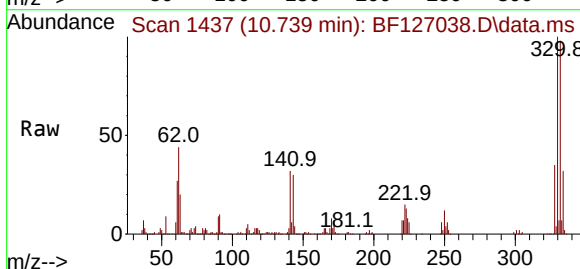
Tgt Ion:248 Resp: 13982

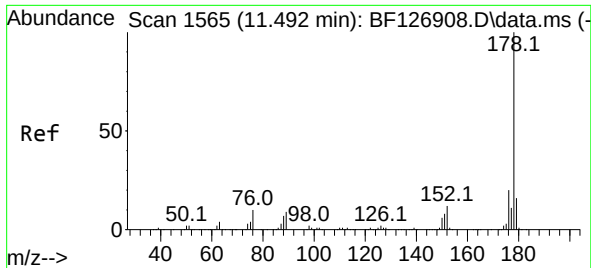
Ion Ratio Lower Upper

248 100

250 206.0 76.2 114.4#

141 559.7 66.2 99.4#

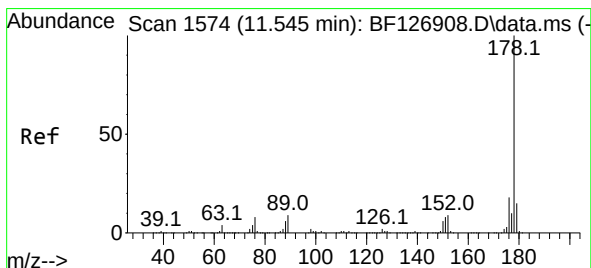
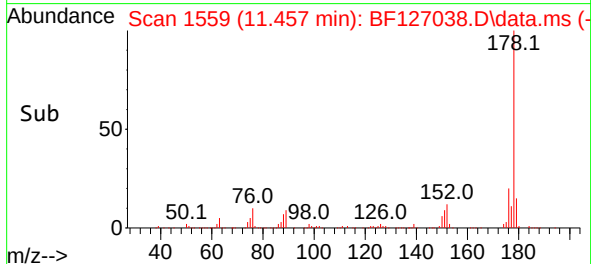
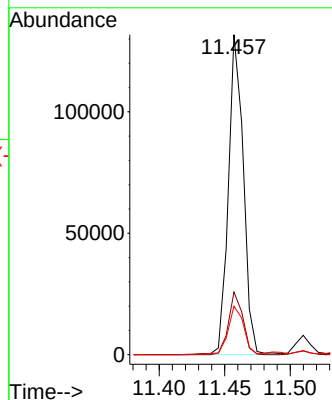
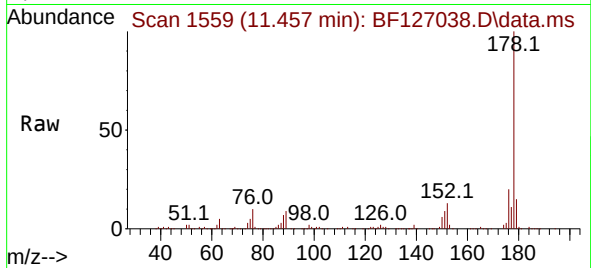




#71
Phenanthrene
Concen: 5.552 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

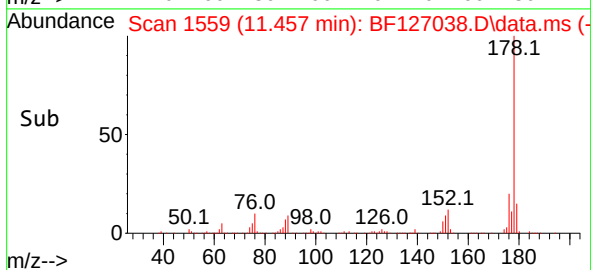
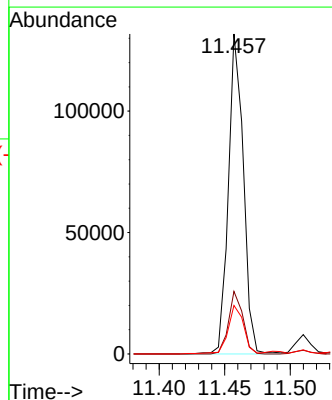
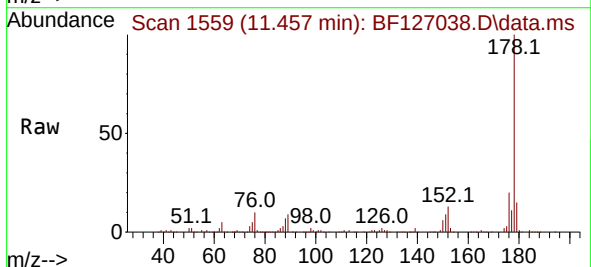
Instrument :
BNA_F
ClientSampleId :
RO-124019

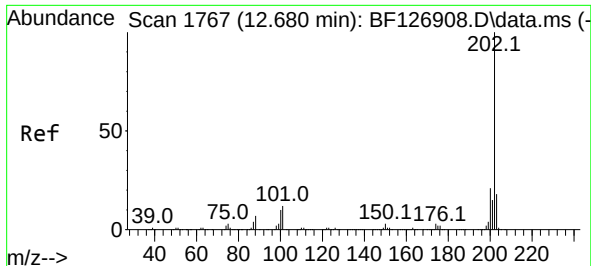
Tgt Ion:178 Resp: 104719
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.2 12.3 18.5



#72
Anthracene
Concen: 5.577 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.065 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:178 Resp: 104719
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.6
179 15.2 12.5 18.7

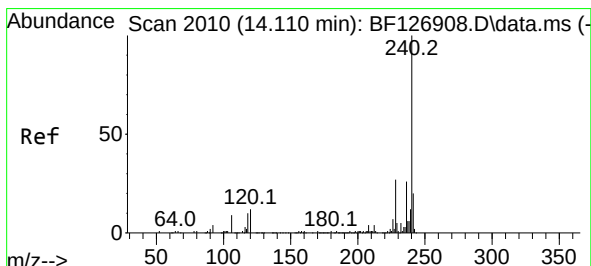
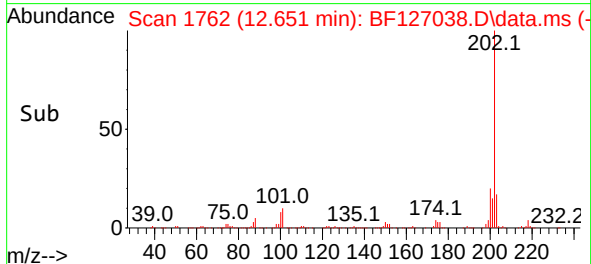
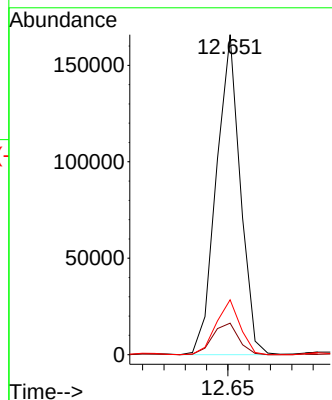
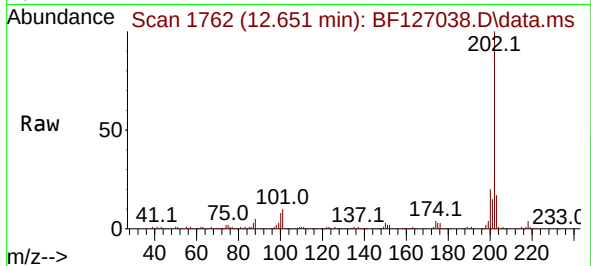




#75
Fluoranthene
Concen: 7.236 ng
RT: 12.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

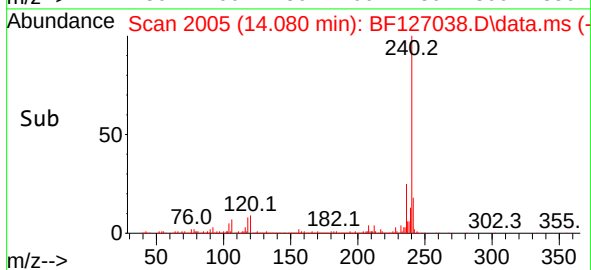
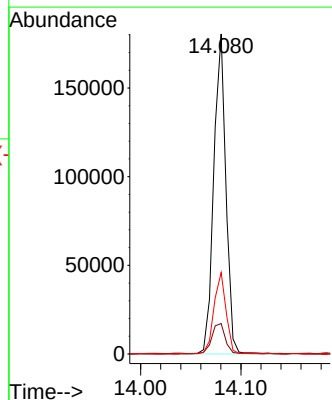
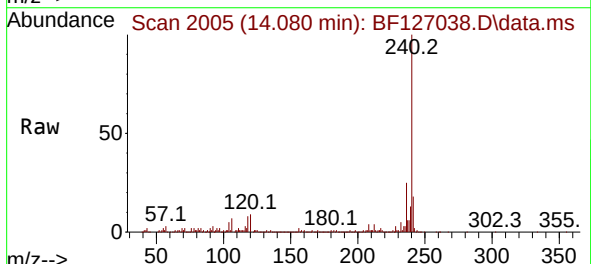
Instrument :
BNA_F
ClientSampleId :
RO-124019

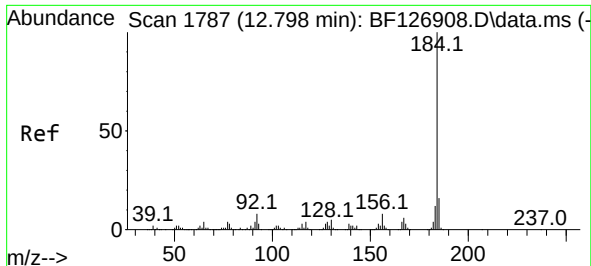
Tgt Ion:202 Resp: 129578
Ion Ratio Lower Upper
202 100
101 9.8 0.0 35.7
203 17.1 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:240 Resp: 151656
Ion Ratio Lower Upper
240 100
120 9.5 14.4 21.6#
236 25.5 20.5 30.7

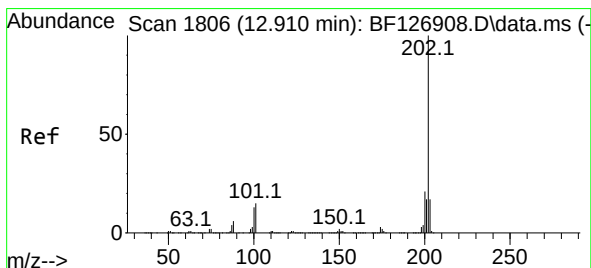
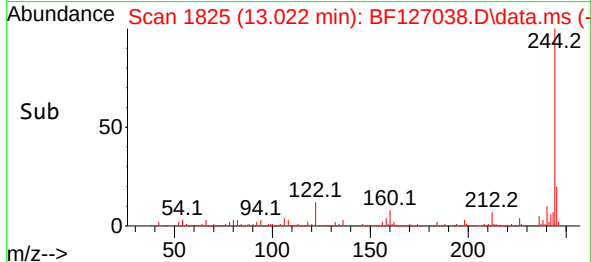
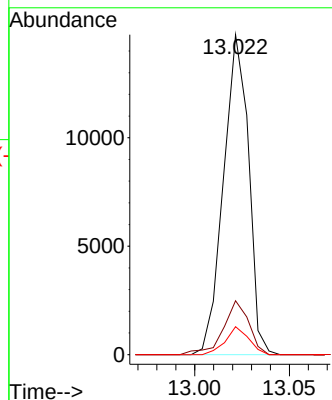
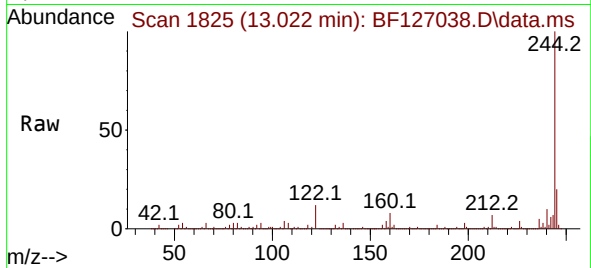




#77
Benzidine
Concen: 3.301 ng
RT: 13.022 min Scan# 1825
Delta R.T. 0.247 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

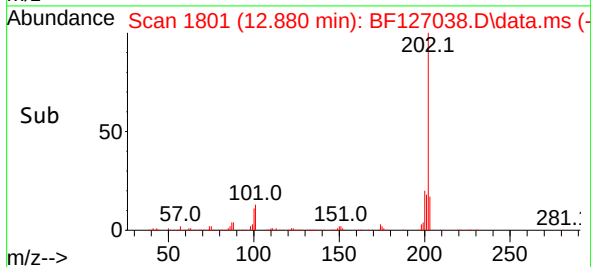
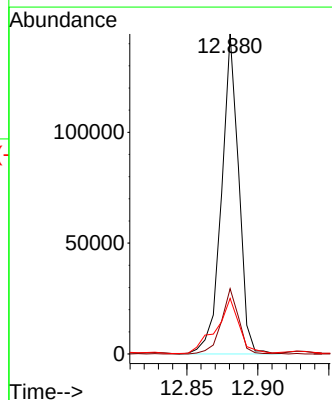
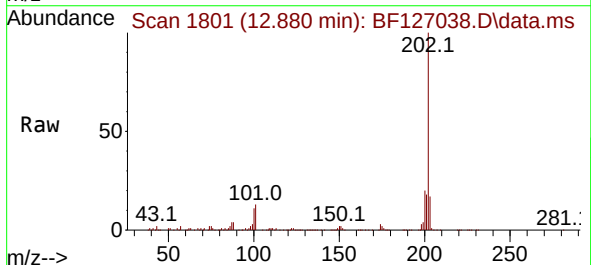
Instrument :
BNA_F
ClientSampleId :
RO-124019

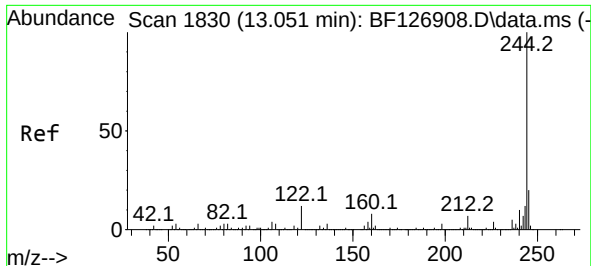
Tgt Ion:184 Resp: 13606
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.8
183 8.7 8.2 12.2



#78
Pyrene
Concen: 9.211 ng
RT: 12.880 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:202 Resp: 121366
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.4 13.8 20.8

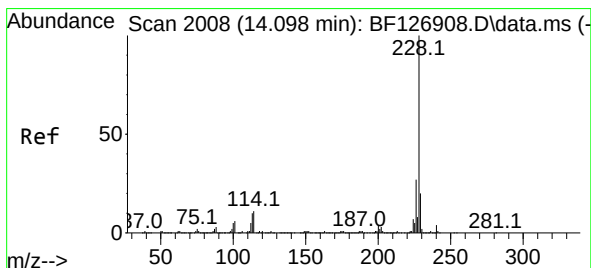
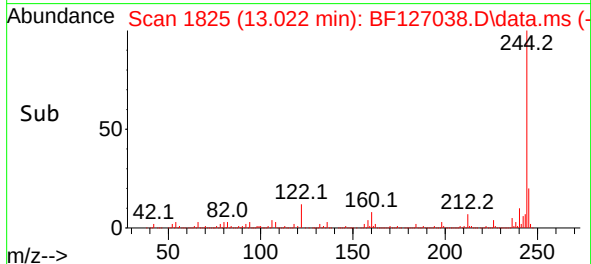
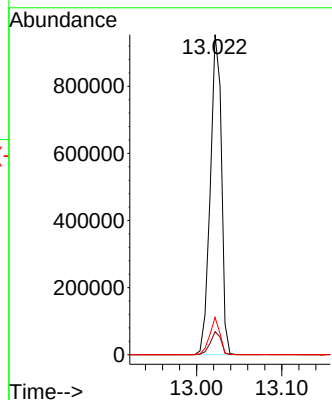
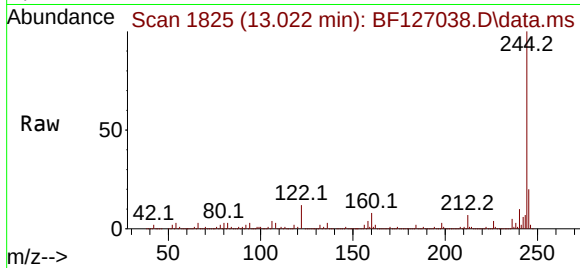




#79
 Terphenyl-d14
 Concen: 83.961 ng
 RT: 13.022 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF127038.D
 Acq: 23 Feb 2022 14:35

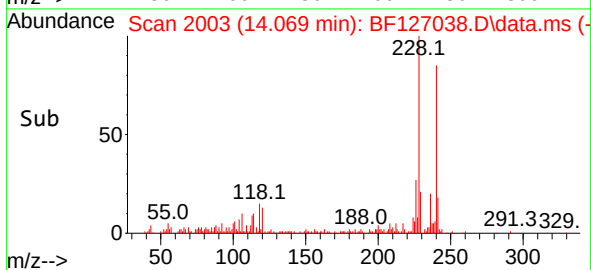
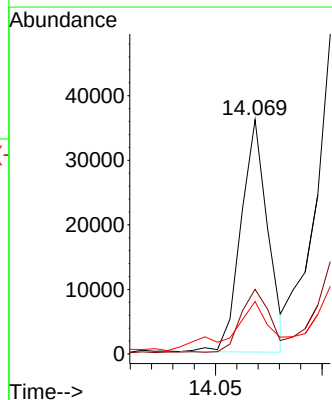
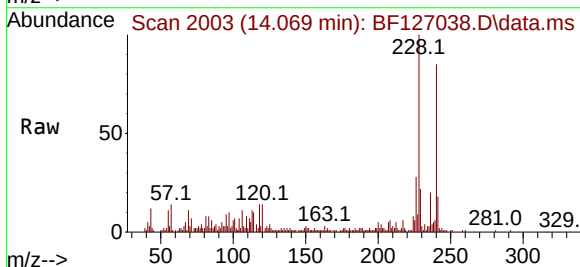
Instrument :
 BNA_F
 ClientSampleId :
 RO-124019

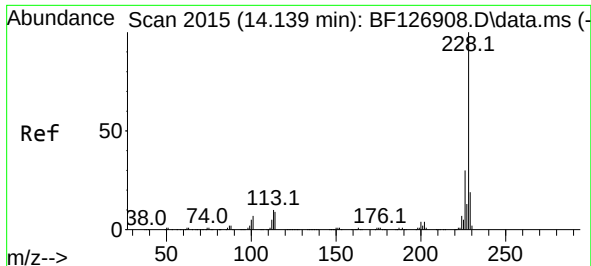
Tgt Ion:244 Resp: 866178
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.0 7.4
 122 11.6 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 3.090 ng
 RT: 14.069 min Scan# 2003
 Delta R.T. -0.012 min
 Lab File: BF127038.D
 Acq: 23 Feb 2022 14:35

Tgt Ion:228 Resp: 31590
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 22.4 15.4 23.2

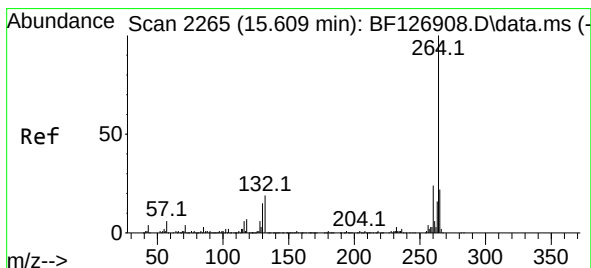
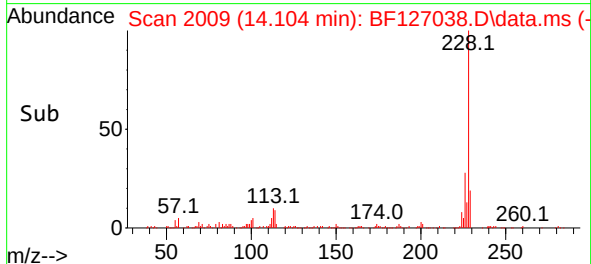
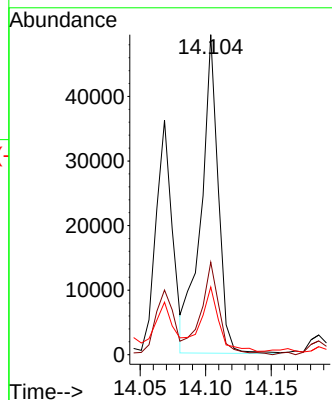
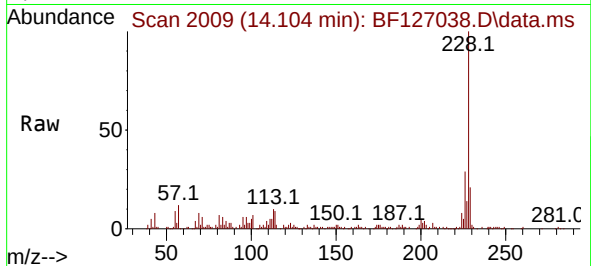




#83
Chrysene
Concen: 4.686 ng
RT: 14.104 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

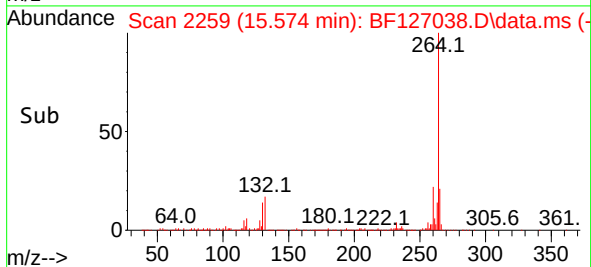
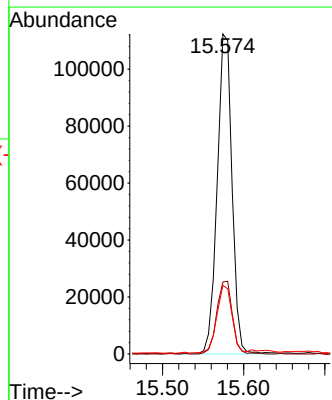
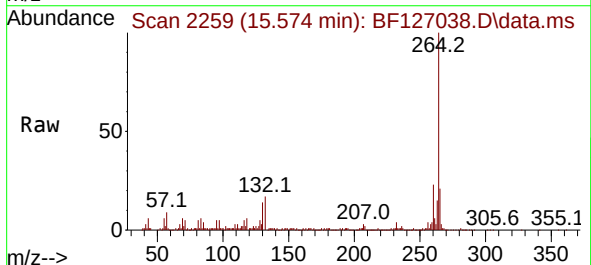
Instrument :
BNA_F
ClientSampleId :
RO-124019

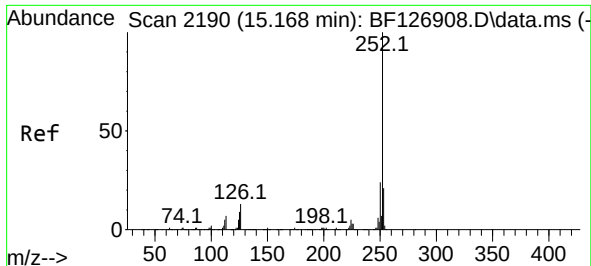
Tgt Ion:228 Resp: 45052
Ion Ratio Lower Upper
228 100
226 28.9 23.7 35.5
229 21.2 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:264 Resp: 143232
Ion Ratio Lower Upper
264 100
260 22.5 19.2 28.8
265 21.4 17.4 26.2

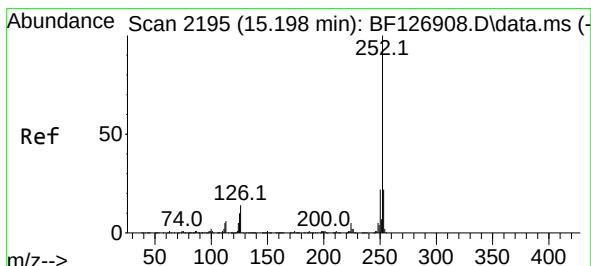
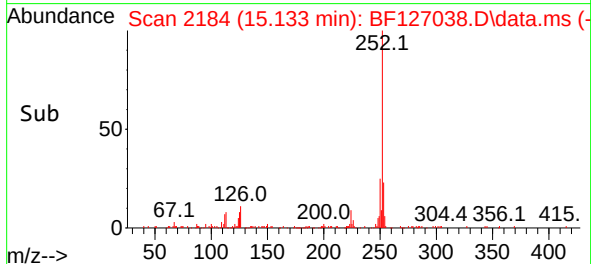
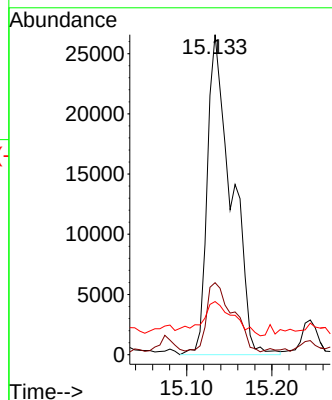
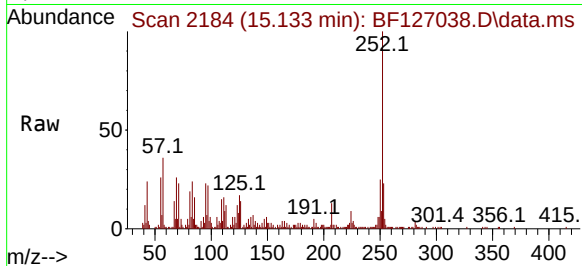




#88
Benzo(b)fluoranthene
Concen: 5.474 ng
RT: 15.133 min Scan# 2190
Delta R.T. -0.012 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

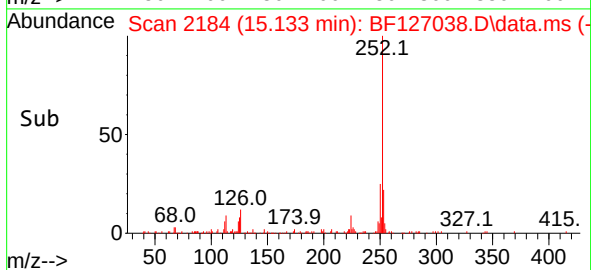
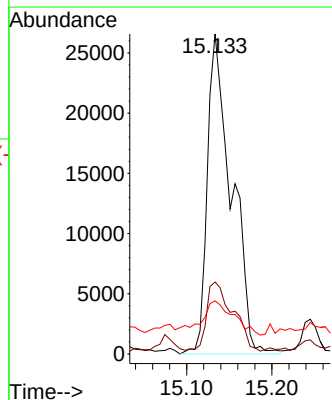
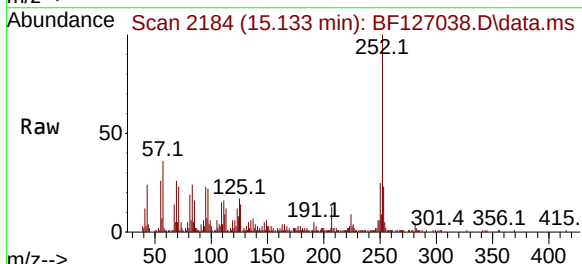
Instrument :
BNA_F
ClientSampleId :
RO-124019

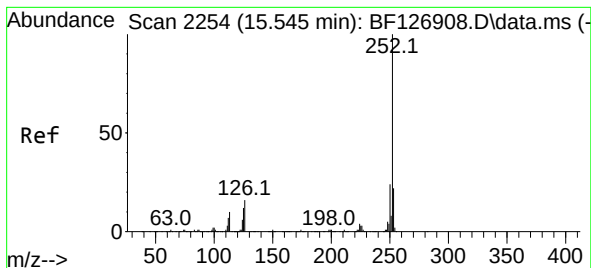
Tgt Ion:252 Resp: 52661
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 16.6 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 5.675 ng
RT: 15.133 min Scan# 2184
Delta R.T. -0.041 min
Lab File: BF127038.D
Acq: 23 Feb 2022 14:35

Tgt Ion:252 Resp: 52661
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 16.6 11.8 17.6





#90

Benzo(a)pyrene

Concen: 3.477 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127038.D

Acq: 23 Feb 2022 14:35

Instrument :

BNA_F

ClientSampleId :

RO-124019

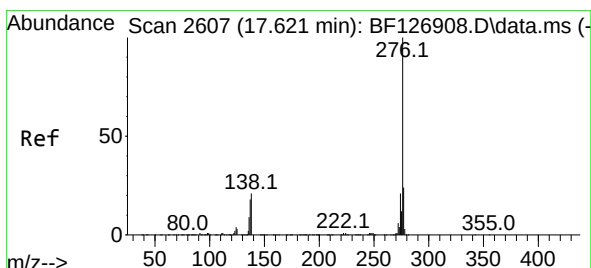
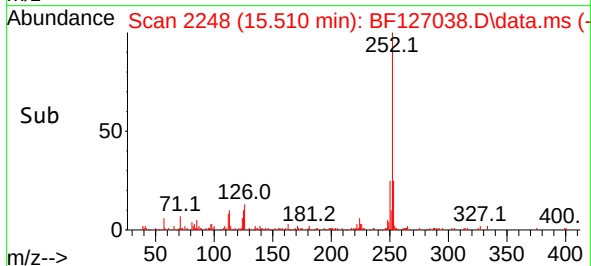
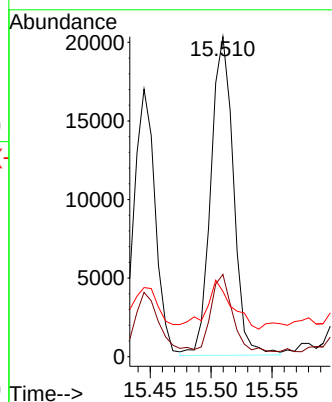
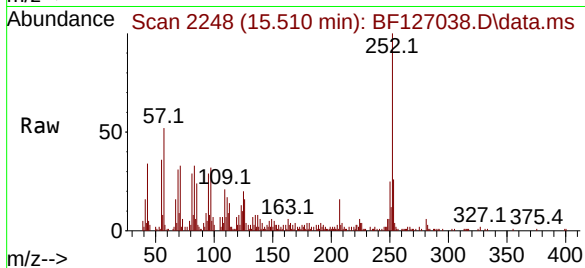
Tgt Ion:252 Resp: 26127

Ion Ratio Lower Upper

252 100

253 25.7 17.1 25.7#

125 20.4 13.0 19.6#



#92

Benzo(g,h,i)perylene

Concen: 2.237 ng

RT: 17.545 min Scan# 2594

Delta R.T. -0.035 min

Lab File: BF127038.D

Acq: 23 Feb 2022 14:35

Tgt Ion:276 Resp: 17134

Ion Ratio Lower Upper

276 100

277 24.5 18.5 27.7

138 20.0 25.9 38.9#

