

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127240.D
 Acq On : 08 Mar 2022 00:50
 Operator : CG\JU
 Sample : N1806-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-22

Quant Time: Mar 08 01:55:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

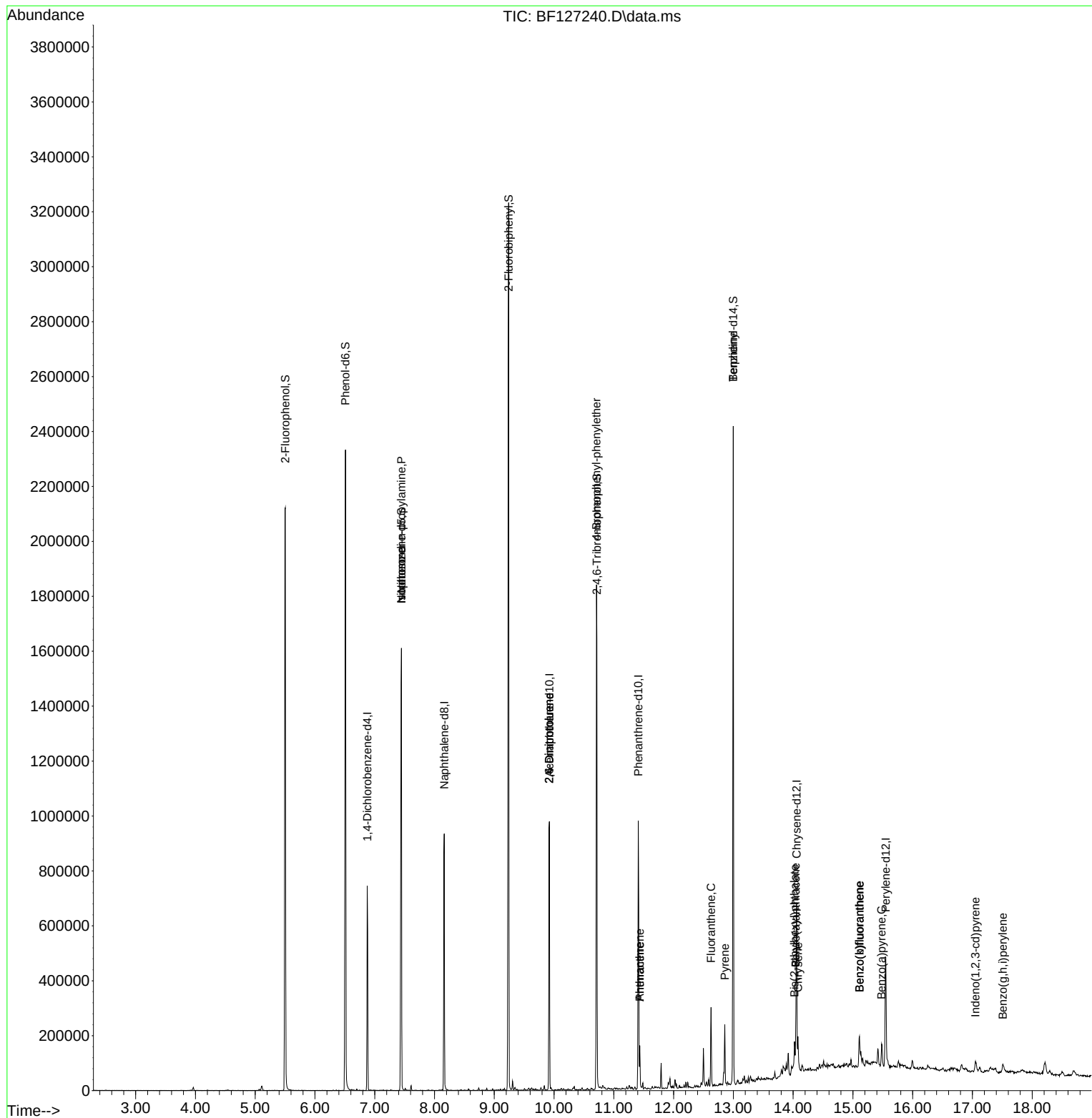
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	95050	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	391710	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	199451	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	319862	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	158590	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	173151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	578101	94.003	ng	0.00
7) Phenol-d6	6.510	99	758402	91.393	ng	0.00
23) Nitrobenzene-d5	7.445	82	531672	61.265	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	226144	98.477	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	897357	66.234	ng	0.00
79) Terphenyl-d14	12.998	244	723829	67.095	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	72090	13.482	ng	# 77
25) Isophorone	7.445	82	530378	36.934	ng	# 69
51) 2,6-Dinitrotoluene	9.916	165	25752	8.878	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	25752	6.566	ng	# 16
67) 4-Bromophenyl-phenylether	10.710	248	13177	3.687	ng	# 1
71) Phenanthrene	11.433	178	47614	2.660	ng	98
72) Anthracene	11.433	178	47614	2.671	ng	99
75) Fluoranthene	12.627	202	97716	5.748	ng	93
77) Benzidine	12.998	184	10386	2.410	ng	95
78) Pyrene	12.857	202	78090	5.668	ng	98
81) Benzo(a)anthracene	14.045	228	37335	3.492	ng	94
83) Chrysene	14.080	228	36781	3.658	ng	96
84) Bis(2-ethylhexyl)phtha...	14.021	149	18457	2.155	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.051	276	23516	2.071	ng	# 82
88) Benzo(b)fluoranthene	15.110	252	76219	6.554	ng	# 95
89) Benzo(k)fluoranthene	15.110	252	76219	6.795	ng	95
90) Benzo(a)pyrene	15.480	252	38044	4.188	ng	97
92) Benzo(g,h,i)perylene	17.509	276	23383	2.526	ng	# 82

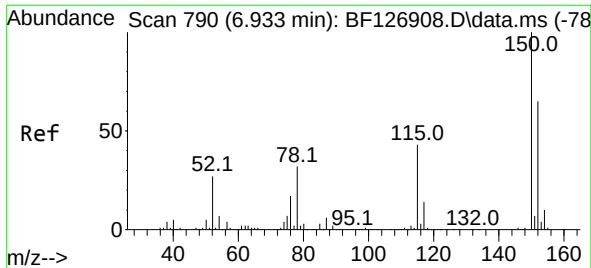
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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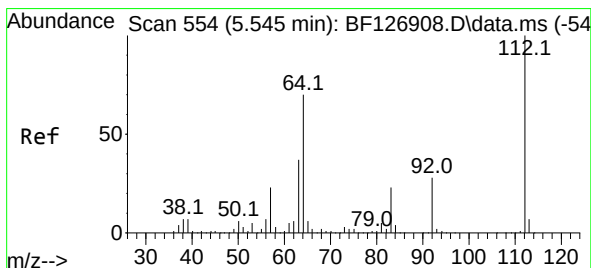
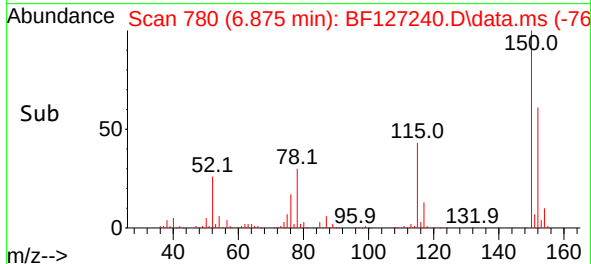
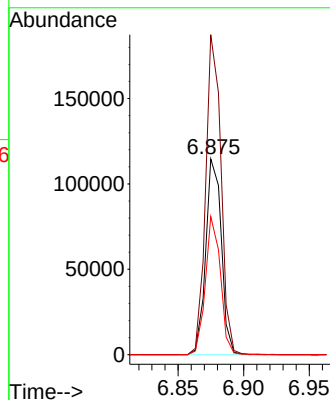
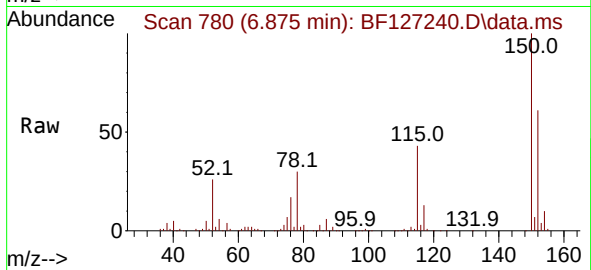




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

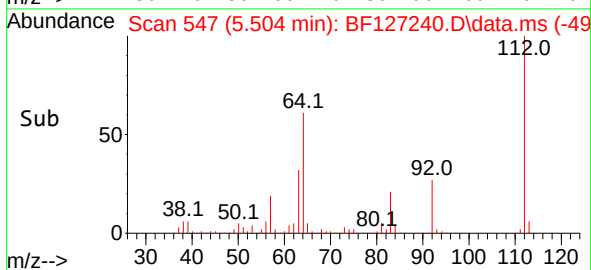
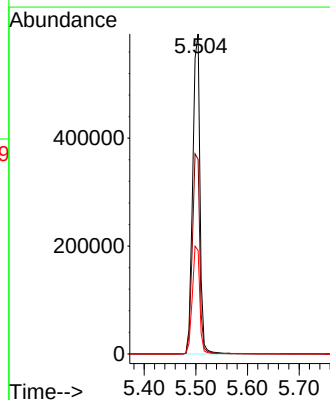
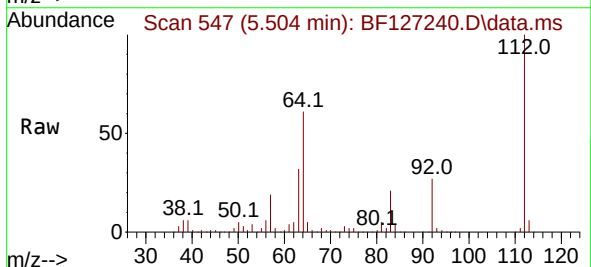
Instrument :
BNA_F
ClientSampleId :
DUM-22

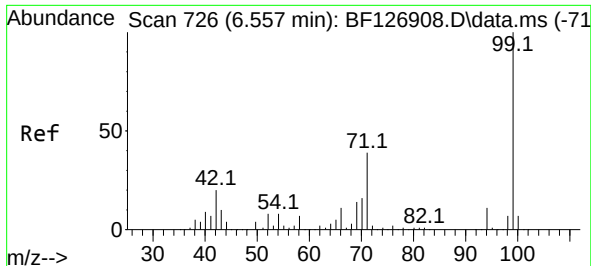
Tgt Ion:152 Resp: 95050
Ion Ratio Lower Upper
152 100
150 163.4 128.1 192.1
115 70.5 56.7 85.1



#5
2-Fluorophenol
Concen: 94.003 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:112 Resp: 578101
Ion Ratio Lower Upper
112 100
64 60.8 49.5 74.3
63 32.4 23.9 35.9

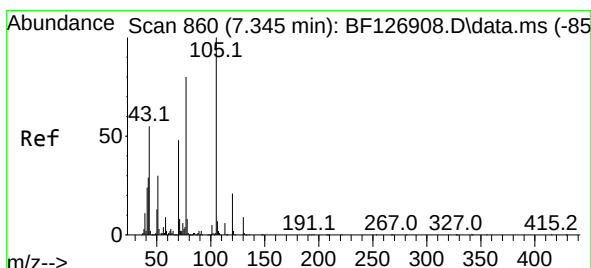
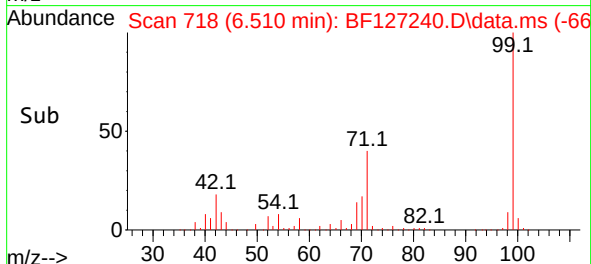
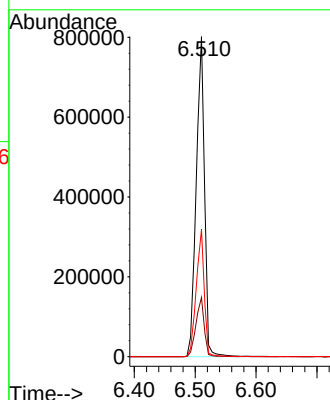
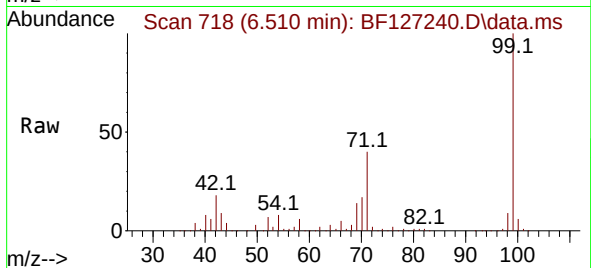




#7
Phenol-d6
Concen: 91.393 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

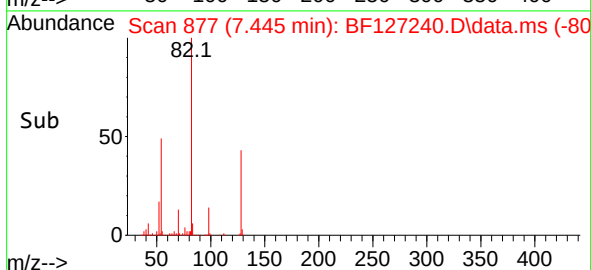
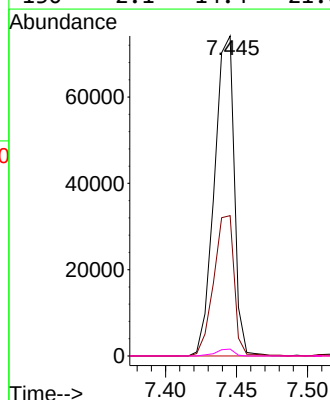
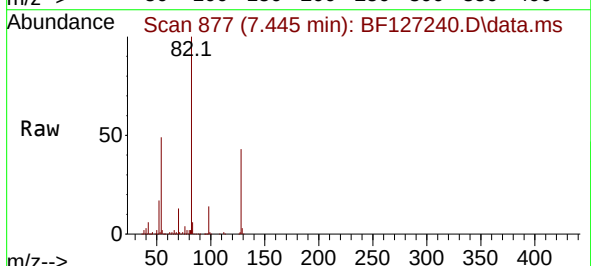
Instrument :
BNA_F
ClientSampleId :
DUM-22

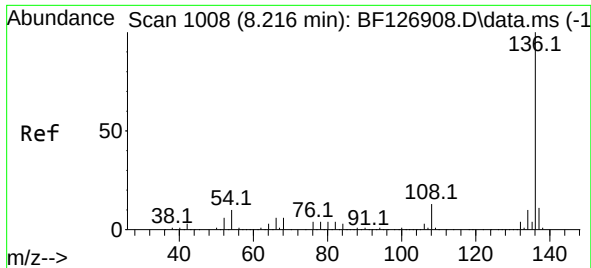
Tgt Ion: 99 Resp: 758402
Ion Ratio Lower Upper
99 100
42 18.5 14.2 21.4
71 39.7 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 13.482 ng
RT: 7.445 min Scan# 877
Delta R.T. 0.153 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion: 70 Resp: 72090
Ion Ratio Lower Upper
70 100
42 43.8 45.8 68.8#
101 0.0 6.9 10.3#
130 2.1 14.4 21.6#

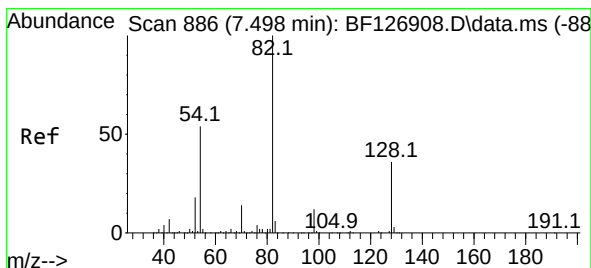
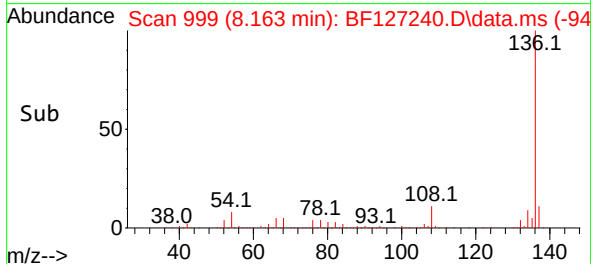
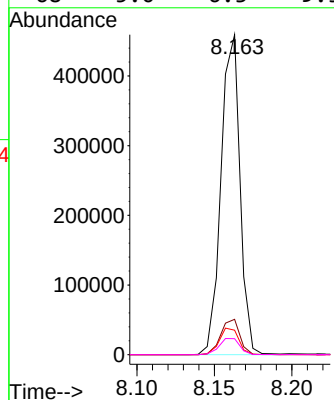
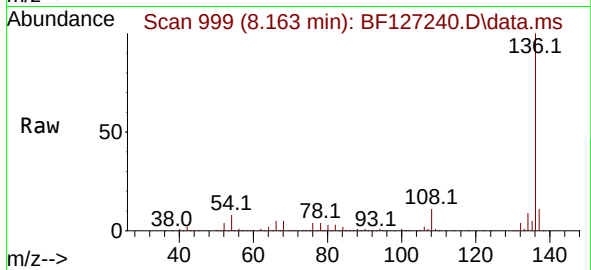




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

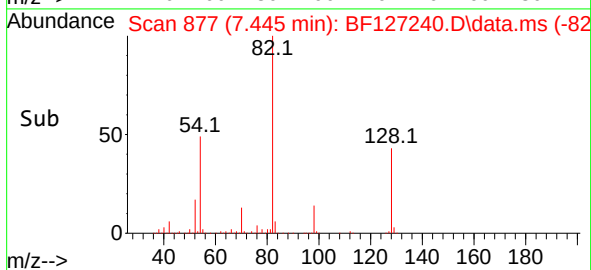
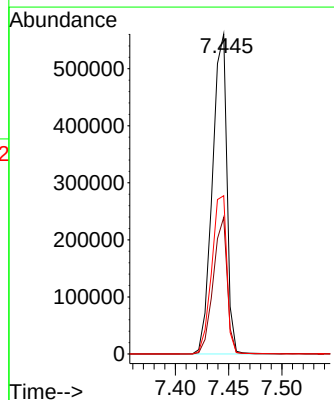
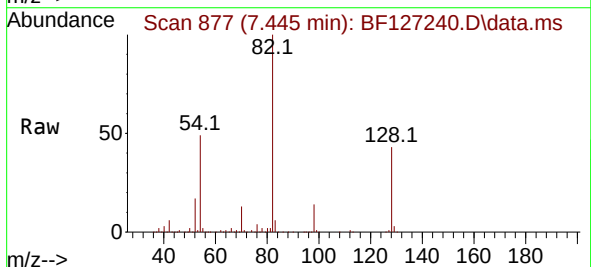
Instrument :
BNA_F
ClientSampleId :
DUM-22

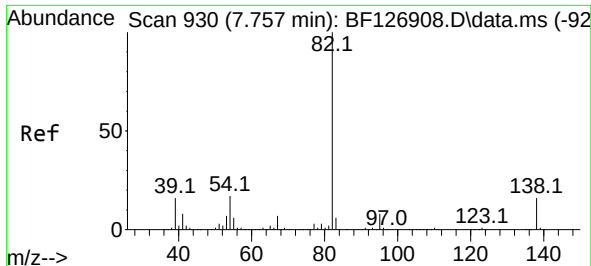
Tgt Ion:136 Resp: 391710
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.7 7.8 11.6#
68 5.0 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 61.265 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion: 82 Resp: 531672
Ion Ratio Lower Upper
82 100
128 42.6 32.7 49.1
54 49.5 41.7 62.5

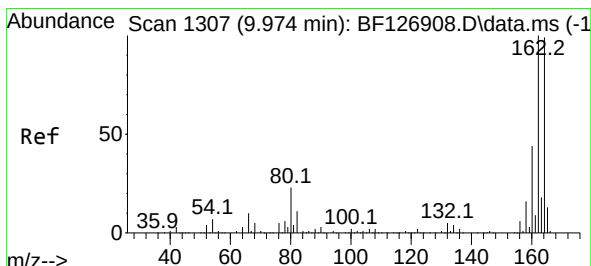
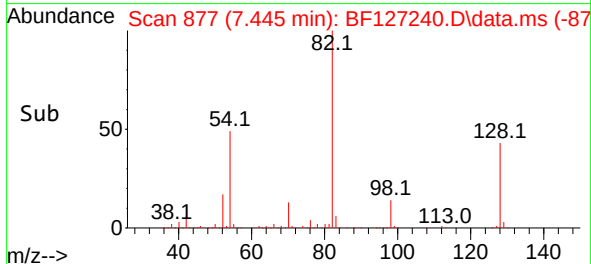
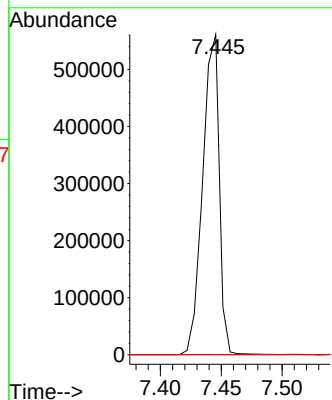
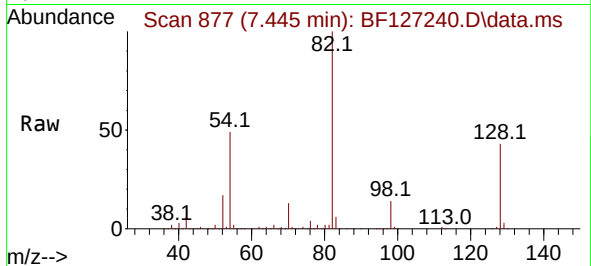




#25
Isophorone
Concen: 36.934 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

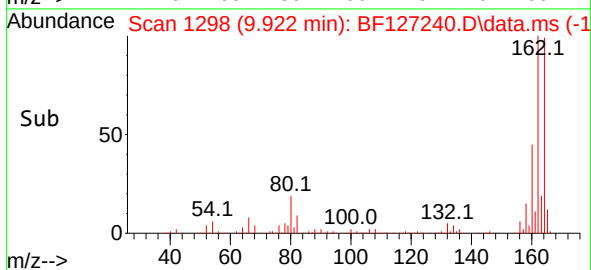
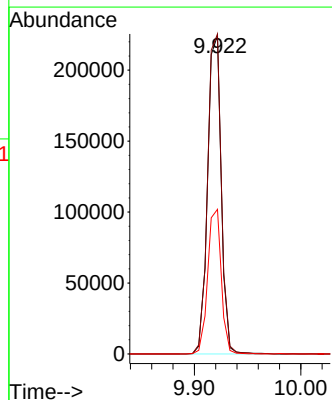
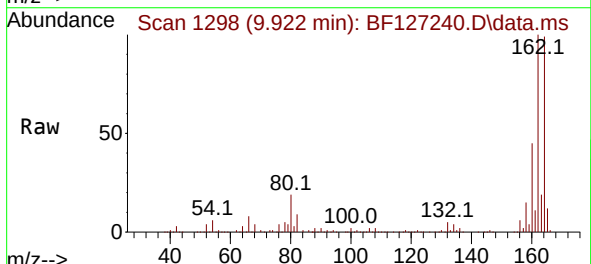
Instrument :
BNA_F
ClientSampleId :
DUM-22

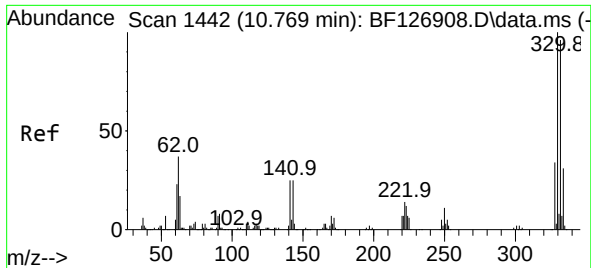
Tgt Ion: 82 Resp: 530378
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:164 Resp: 199451
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 45.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 98.477 ng

RT: 10.716 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

Instrument :

BNA_F

ClientSampleId :

DUM-22

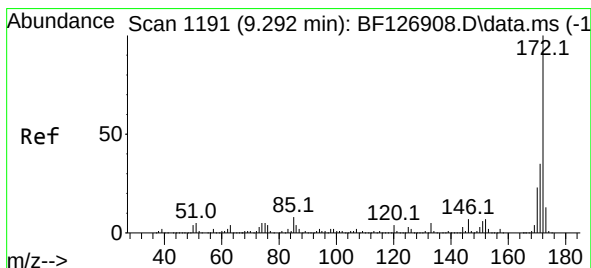
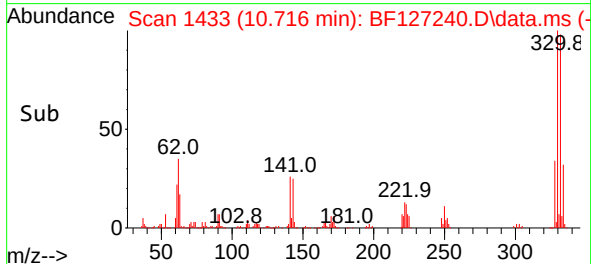
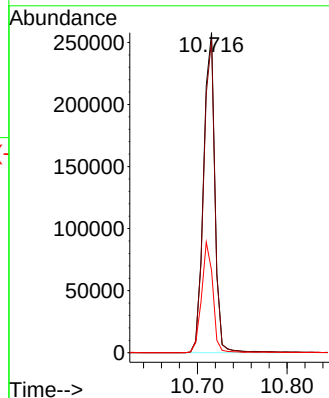
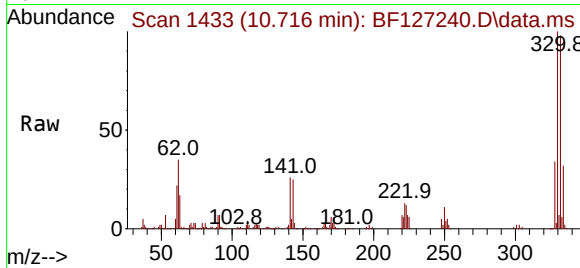
Tgt Ion:330 Resp: 226144

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

141 34.4 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 66.234 ng

RT: 9.239 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

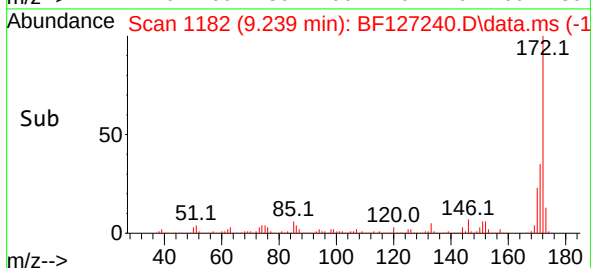
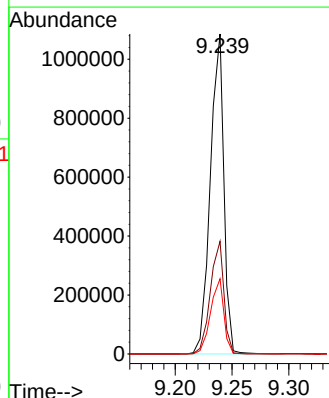
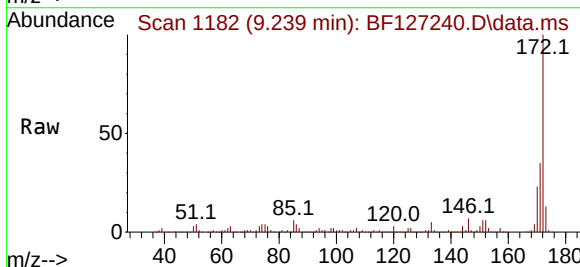
Tgt Ion:172 Resp: 897357

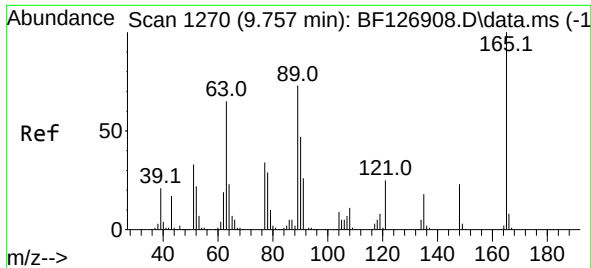
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.5 19.0 28.6

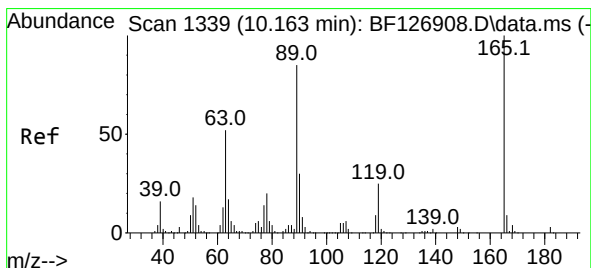
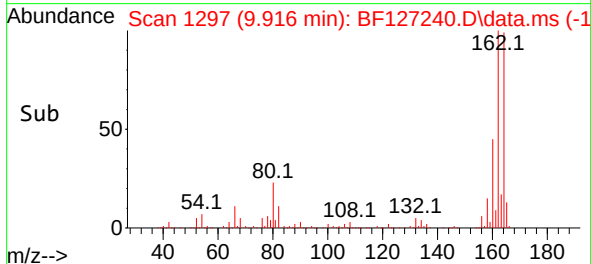
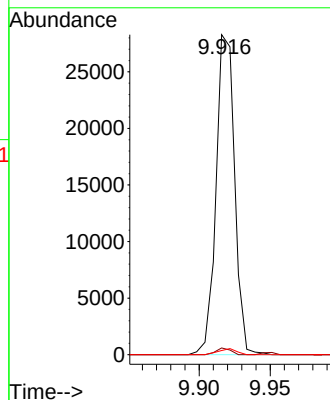
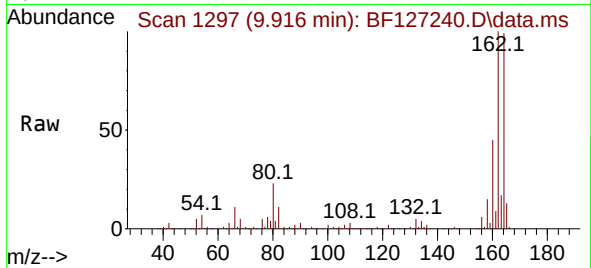




#51
2,6-Dinitrotoluene
Concen: 8.878 ng
RT: 9.916 min Scan# 1270
Delta R.T. 0.206 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

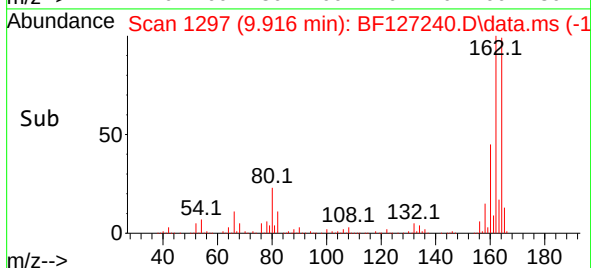
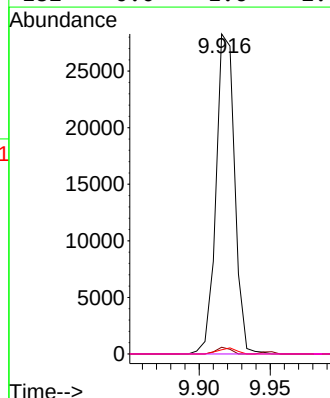
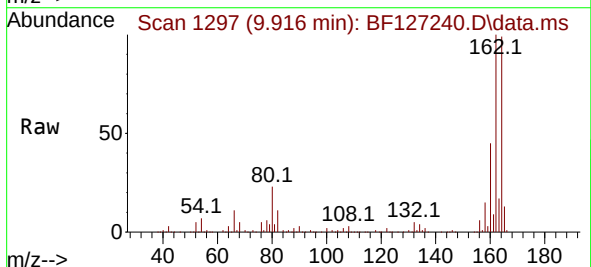
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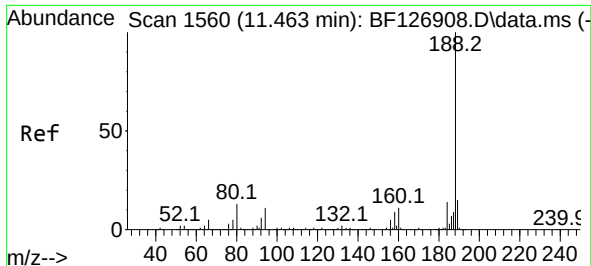
Tgt Ion:165 Resp: 25752
Ion Ratio Lower Upper
165 100
63 2.1 48.4 72.6#
89 1.3 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.566 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.200 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:165 Resp: 25752
Ion Ratio Lower Upper
165 100
63 2.1 43.0 64.6#
89 1.3 71.0 106.4#
182 0.0 1.6 2.4#

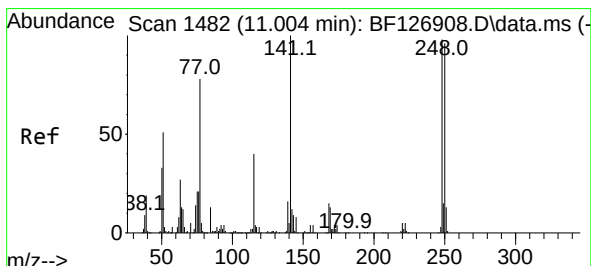
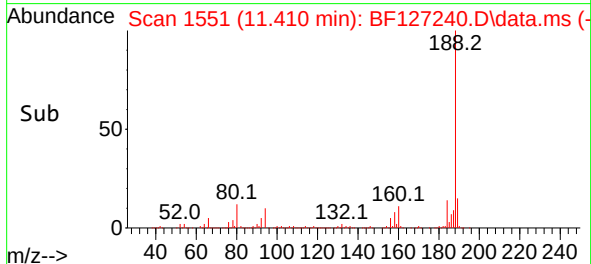
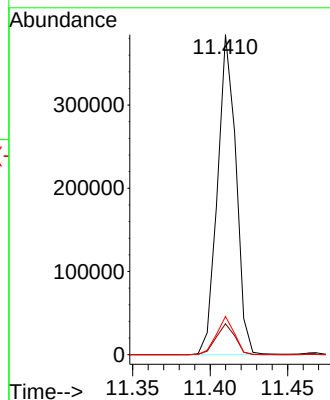
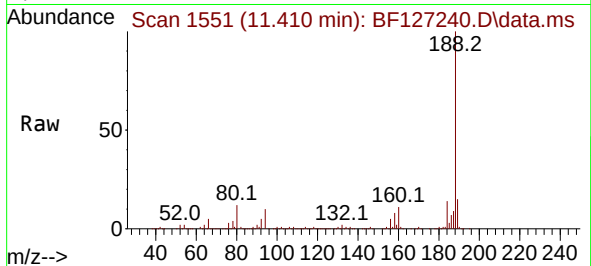




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

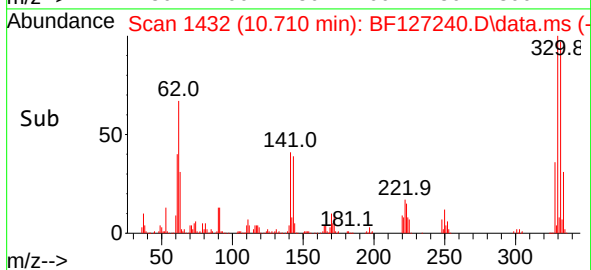
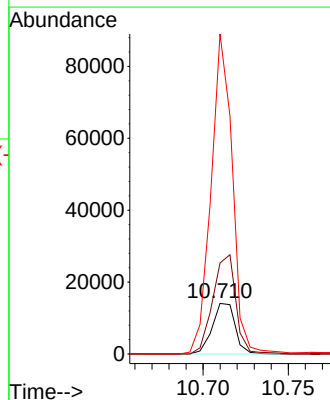
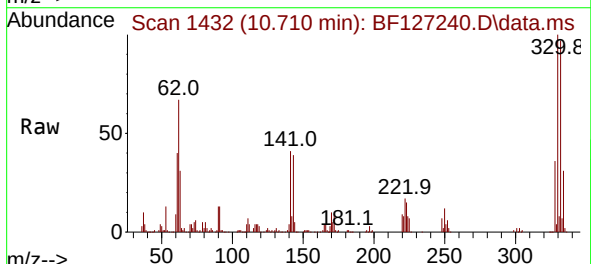
Instrument :
BNA_F
ClientSampleId :
DUM-22

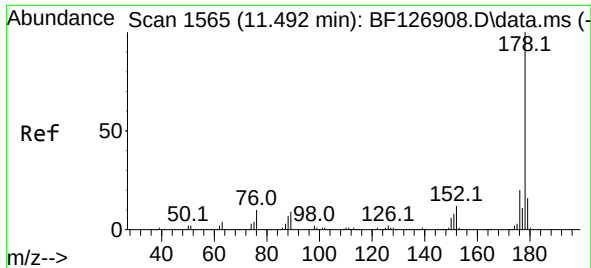
Tgt Ion:188 Resp: 319862
Ion Ratio Lower Upper
188 100
94 9.7 10.1 15.1#
80 11.9 11.8 17.6



#67
4-Bromophenyl-phenylether
Concen: 3.687 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.247 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:248 Resp: 13177
Ion Ratio Lower Upper
248 100
250 180.0 76.2 114.4#
141 632.7 66.2 99.4#

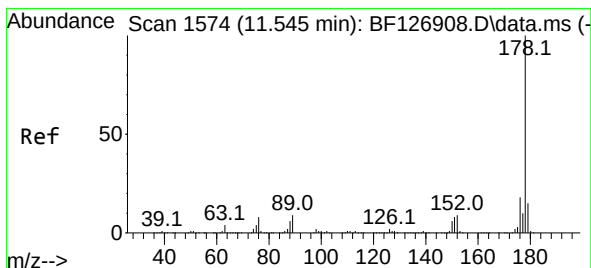
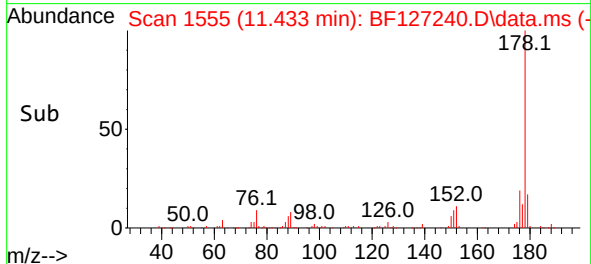
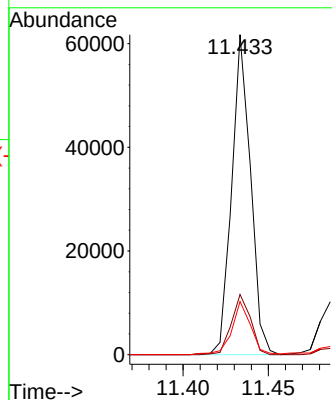
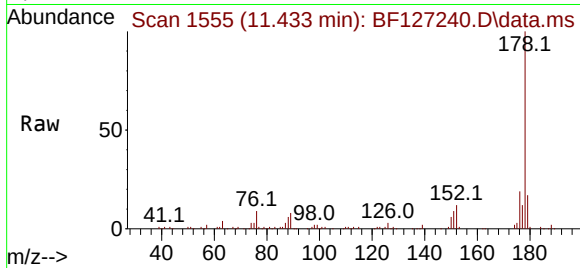




#71
Phenanthrene
Concen: 2.660 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

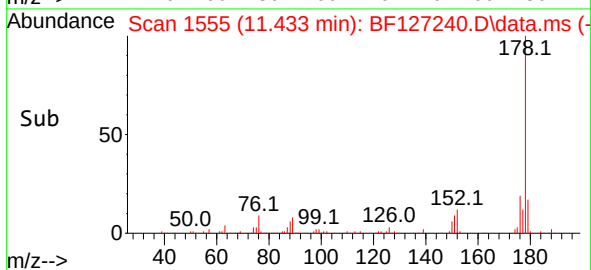
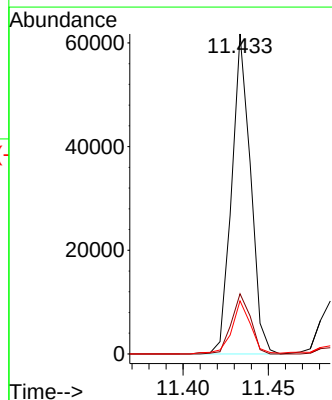
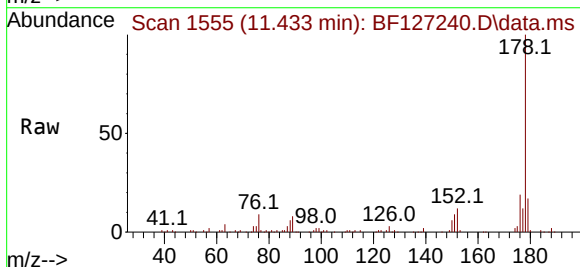
Instrument :
BNA_F
ClientSampleId :
DUM-22

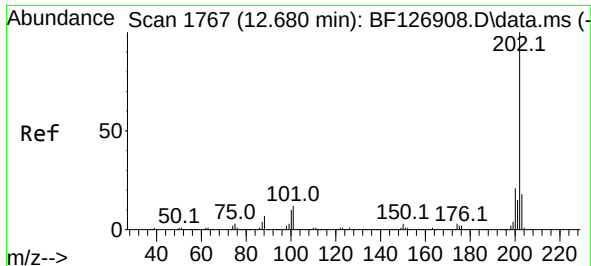
Tgt Ion:178 Resp: 47614
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 16.6 12.3 18.5



#72
Anthracene
Concen: 2.671 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.059 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:178 Resp: 47614
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 16.6 12.5 18.7

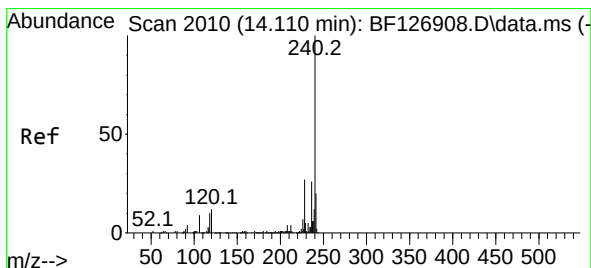
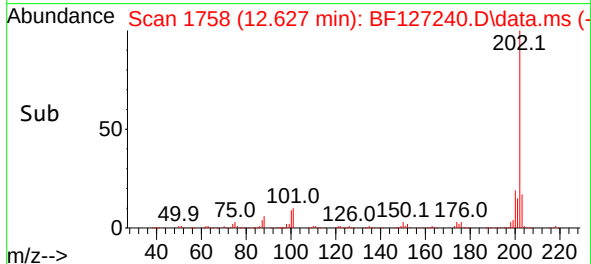
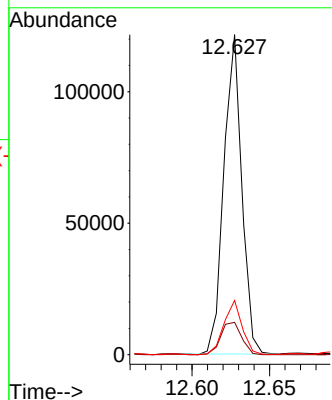
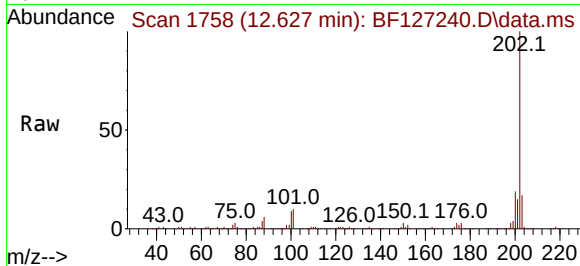




#75
Fluoranthene
Concen: 5.748 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

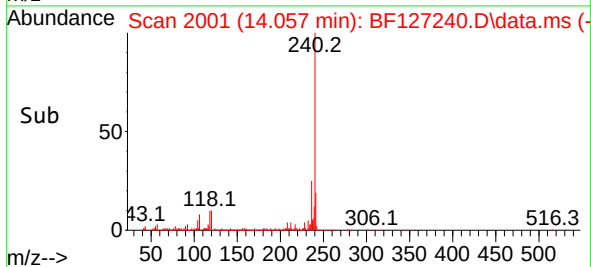
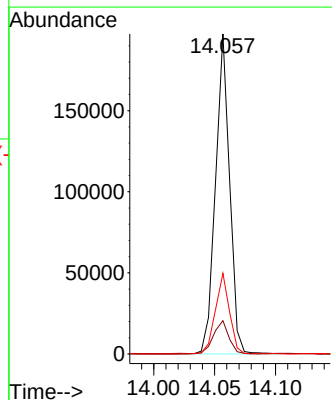
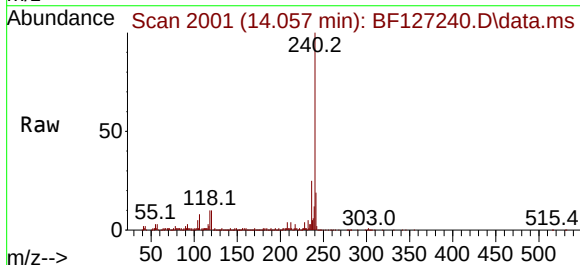
Instrument :
BNA_F
ClientSampleId :
DUM-22

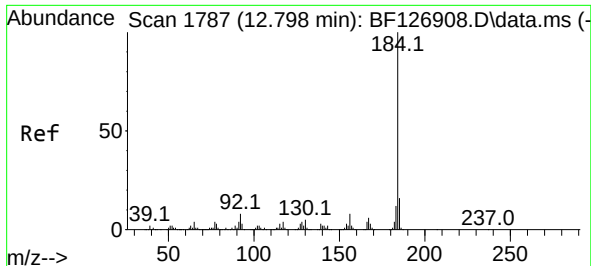
Tgt Ion:202 Resp: 97716
Ion Ratio Lower Upper
202 100
101 10.1 0.0 35.7
203 16.9 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:240 Resp: 158590
Ion Ratio Lower Upper
240 100
120 10.4 14.4 21.6#
236 25.2 20.5 30.7

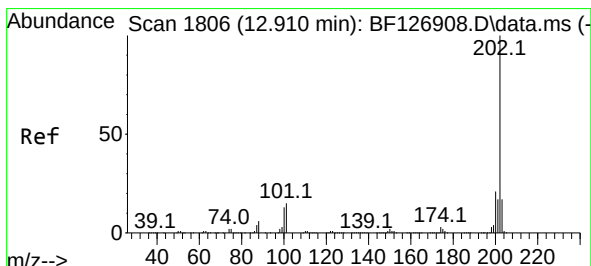
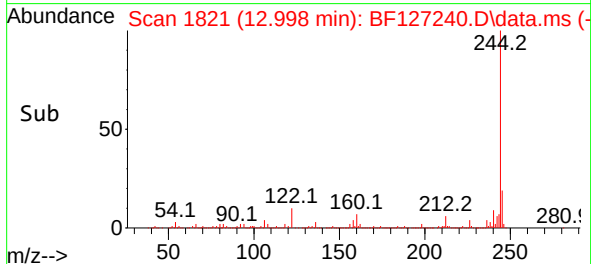
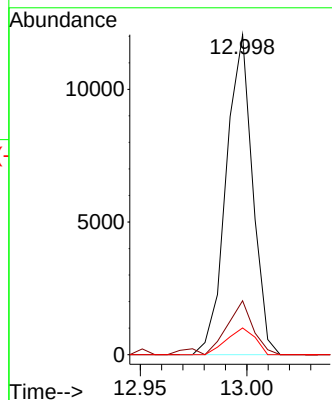
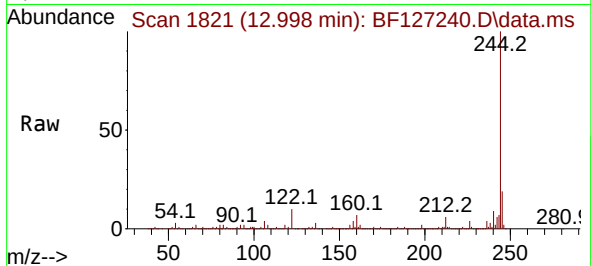




#77
Benzidine
Concen: 2.410 ng
RT: 12.998 min Scan# 1797
Delta R.T. 0.247 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

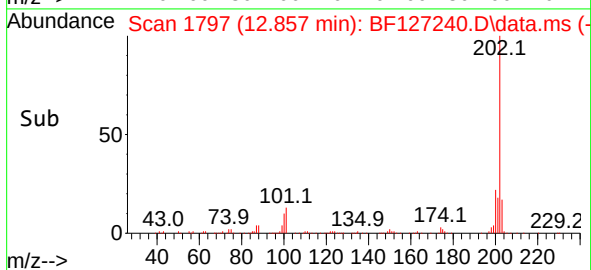
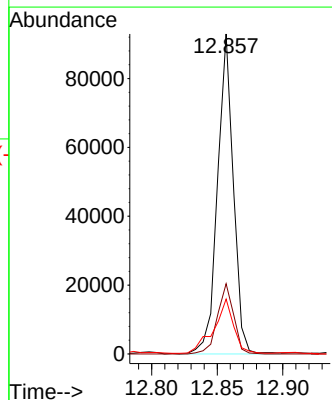
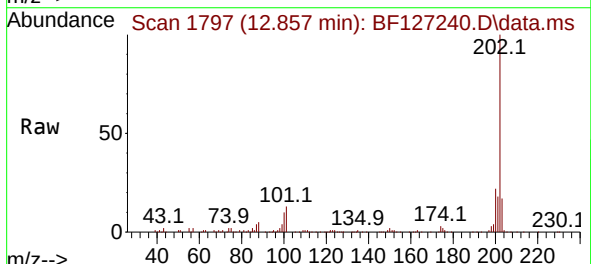
Instrument :
BNA_F
ClientSampleId :
DUM-22

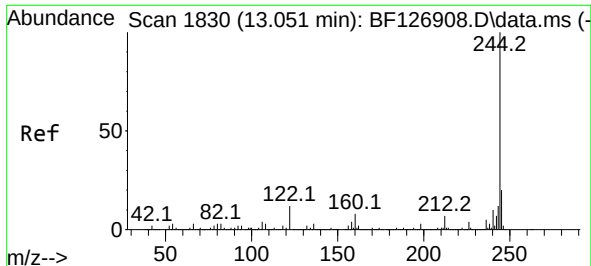
Tgt Ion:184 Resp: 10386
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.8
183 8.3 8.2 12.2



#78
Pyrene
Concen: 5.668 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:202 Resp: 78090
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 17.1 13.8 20.8

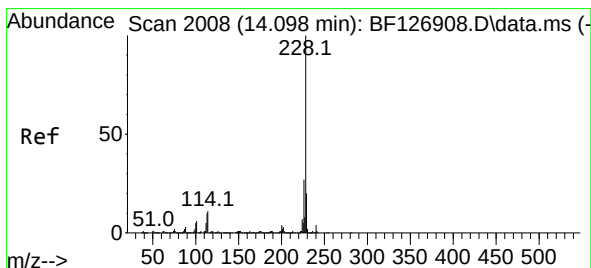
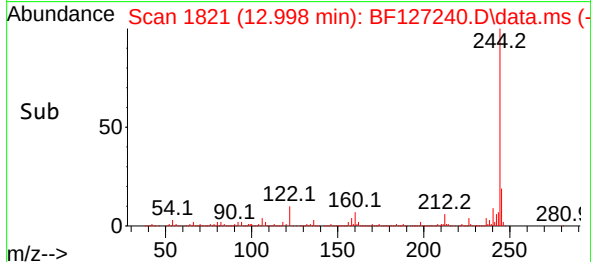
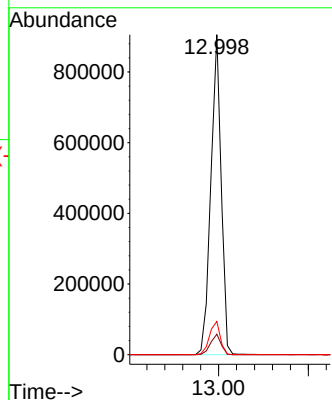
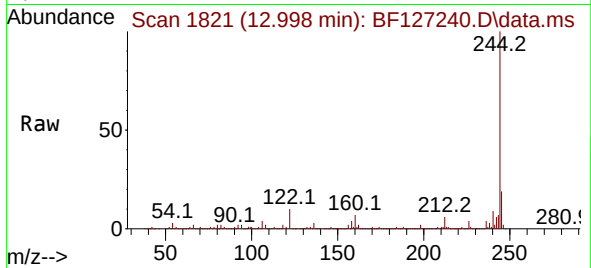




#79
 Terphenyl-d14
 Concen: 67.095 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127240.D
 Acq: 08 Mar 2022 00:50

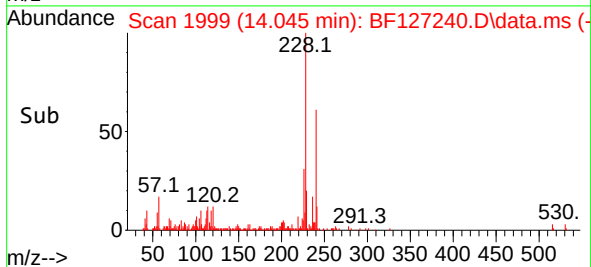
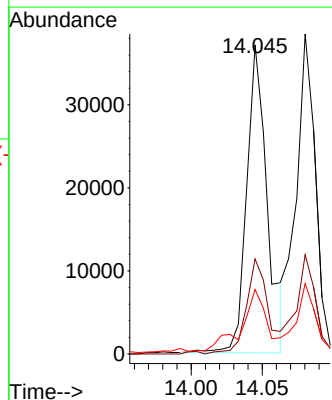
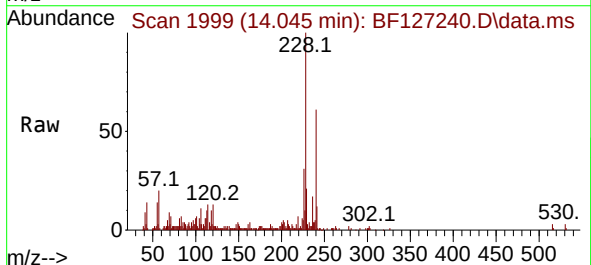
Instrument :
 BNA_F
 ClientSampleId :
 DUM-22

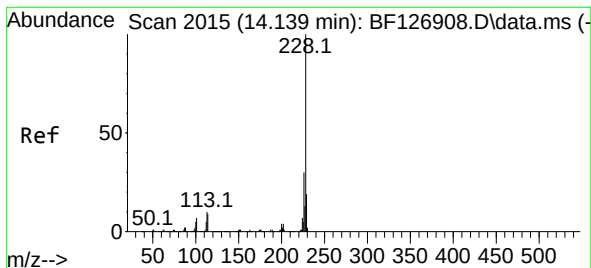
Tgt Ion:244 Resp: 723829
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 10.4 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 3.492 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: BF127240.D
 Acq: 08 Mar 2022 00:50

Tgt Ion:228 Resp: 37335
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.4 32.0
 229 20.9 15.4 23.2





#83

Chrysene

Concen: 3.658 ng

RT: 14.080 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

Instrument :

BNA_F

ClientSampleId :

DUM-22

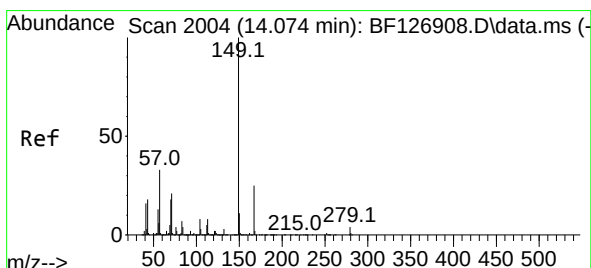
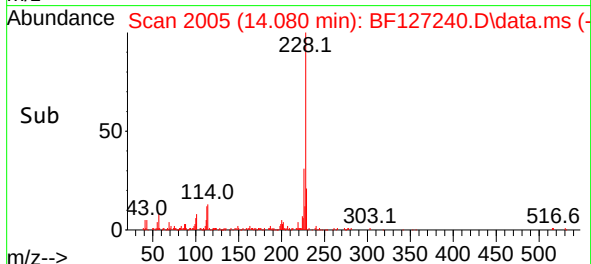
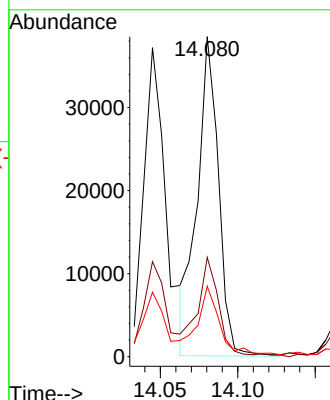
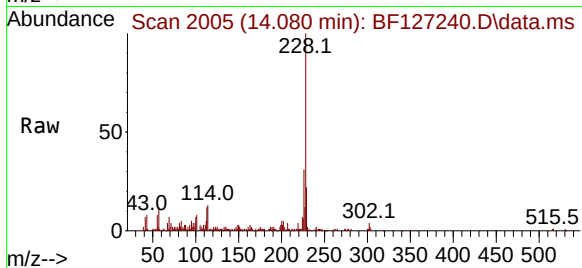
Tgt Ion:228 Resp: 36781

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 22.0 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.155 ng

RT: 14.021 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

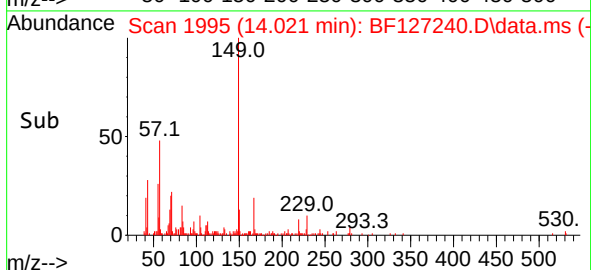
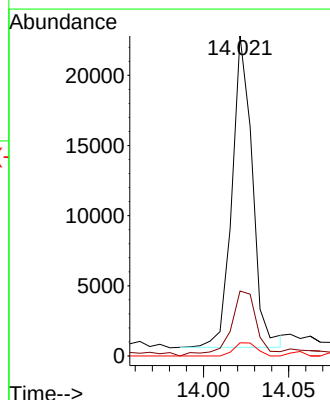
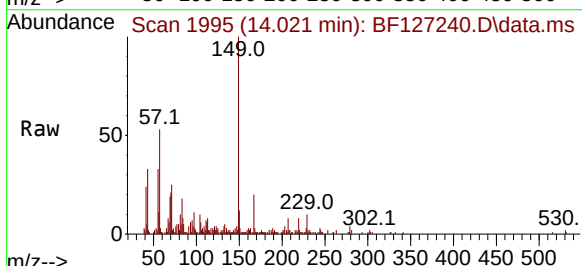
Tgt Ion:149 Resp: 18457

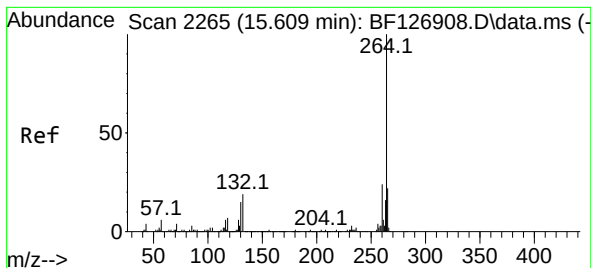
Ion Ratio Lower Upper

149 100

167 20.3 21.4 32.2#

279 4.1 2.4 3.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

Instrument :

BNA_F

ClientSampleId :

DUM-22

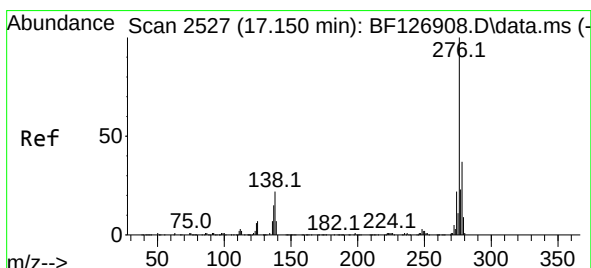
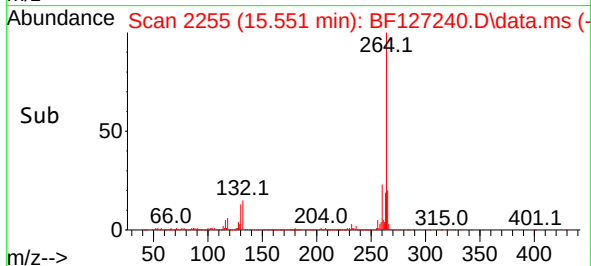
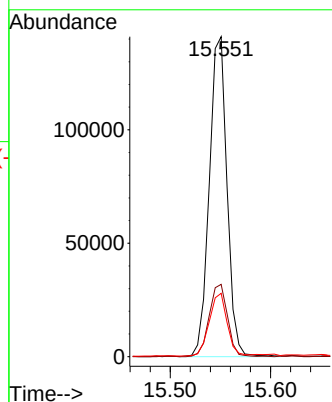
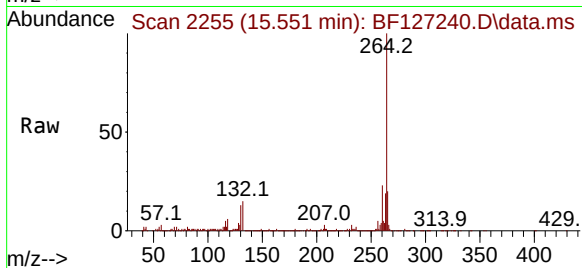
Tgt Ion:264 Resp: 173151

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 19.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.071 ng

RT: 17.051 min Scan# 2510

Delta R.T. -0.006 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

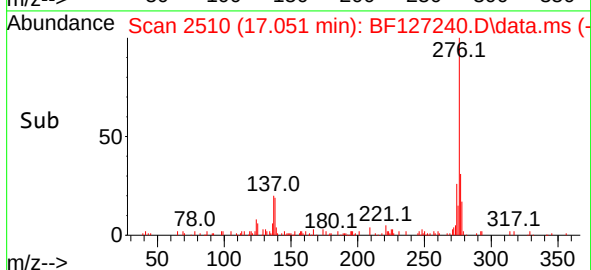
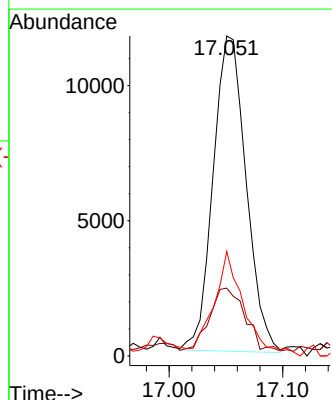
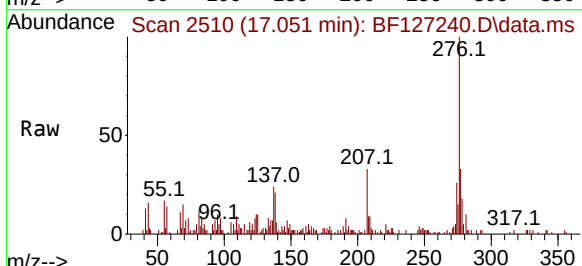
Tgt Ion:276 Resp: 23516

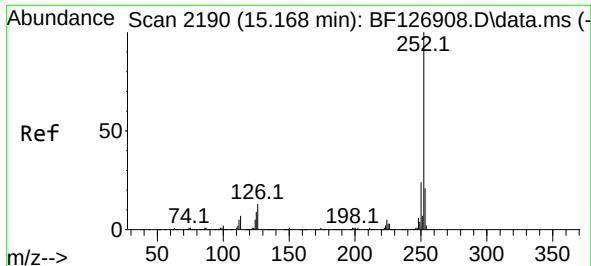
Ion Ratio Lower Upper

276 100

138 23.3 29.2 43.8#

277 30.7 19.8 29.8#

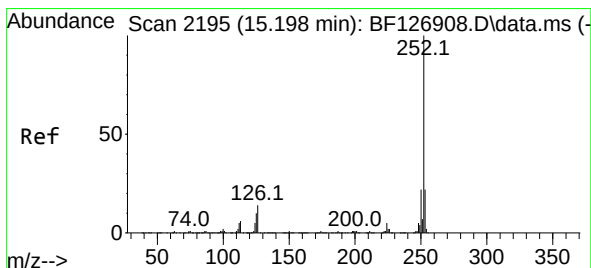
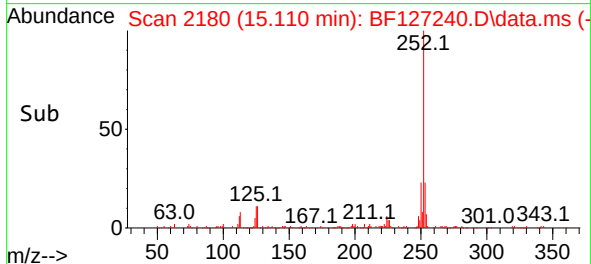
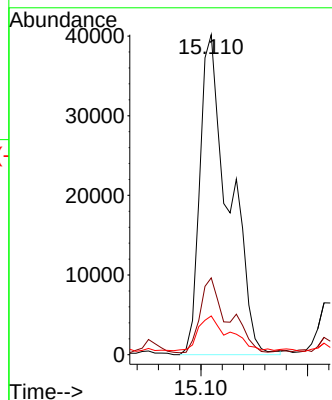
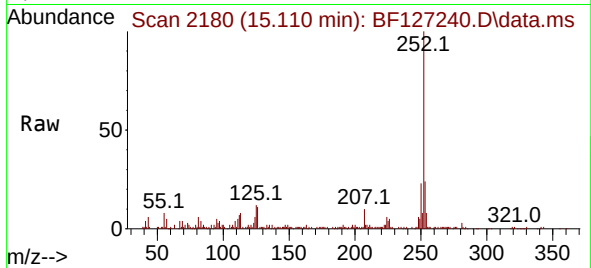




#88
Benzo(b)fluoranthene
Concen: 6.554 ng
RT: 15.110 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

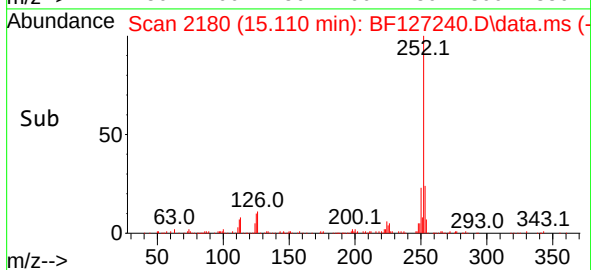
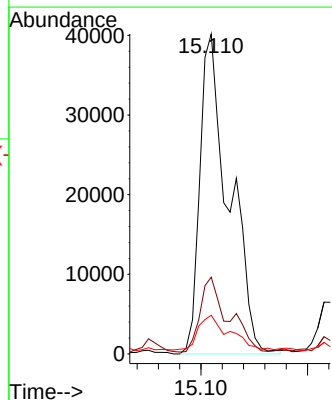
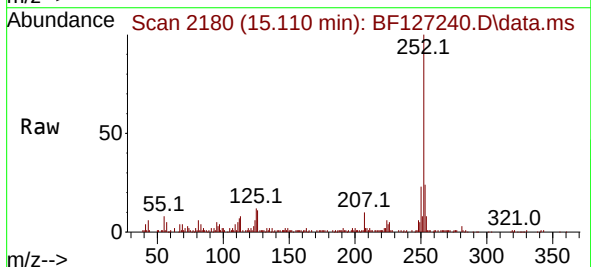
Instrument :
BNA_F
ClientSampleId :
DUM-22

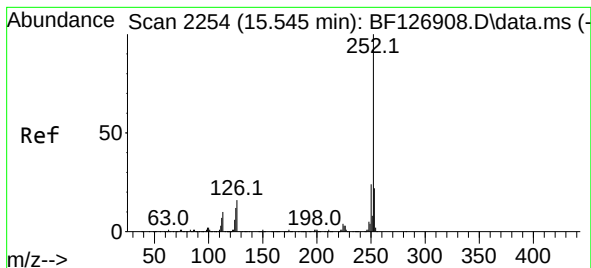
Tgt Ion:252 Resp: 76219
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 12.1 12.4 18.6#



#89
Benzo(k)fluoranthene
Concen: 6.795 ng
RT: 15.110 min Scan# 2180
Delta R.T. -0.029 min
Lab File: BF127240.D
Acq: 08 Mar 2022 00:50

Tgt Ion:252 Resp: 76219
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 12.1 11.8 17.6





#90

Benzo(a)pyrene

Concen: 4.188 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

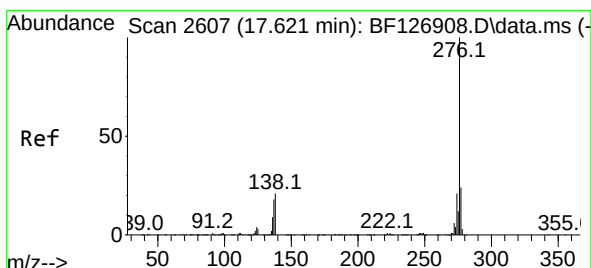
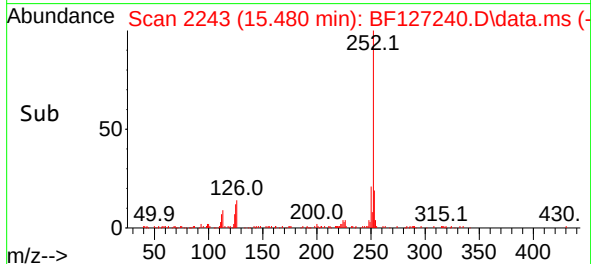
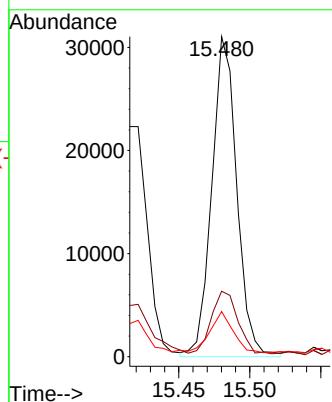
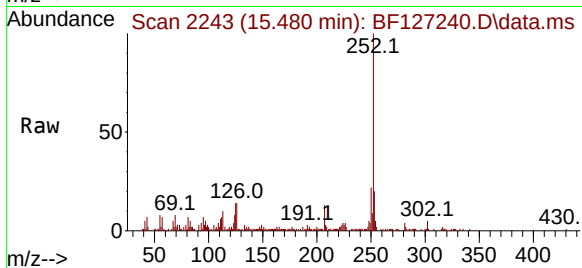
Instrument :

BNA_F

ClientSampleId :

DUM-22

Tgt Ion:252	Resp:	38044
Ion Ratio	Lower	Upper
252	100	
253	20.4	17.1 25.7
125	14.1	13.0 19.6



#92

Benzo(g,h,i)perylene

Concen: 2.526 ng

RT: 17.509 min Scan# 2588

Delta R.T. -0.012 min

Lab File: BF127240.D

Acq: 08 Mar 2022 00:50

Tgt Ion:276	Resp:	23383
Ion Ratio	Lower	Upper
276	100	
277	25.7	18.5 27.7
138	17.1	25.9 38.9#

