

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127244.D
 Acq On : 08 Mar 2022 02:47
 Operator : CG\JU
 Sample : N1806-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-23

Quant Time: Mar 08 03:30:32 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)

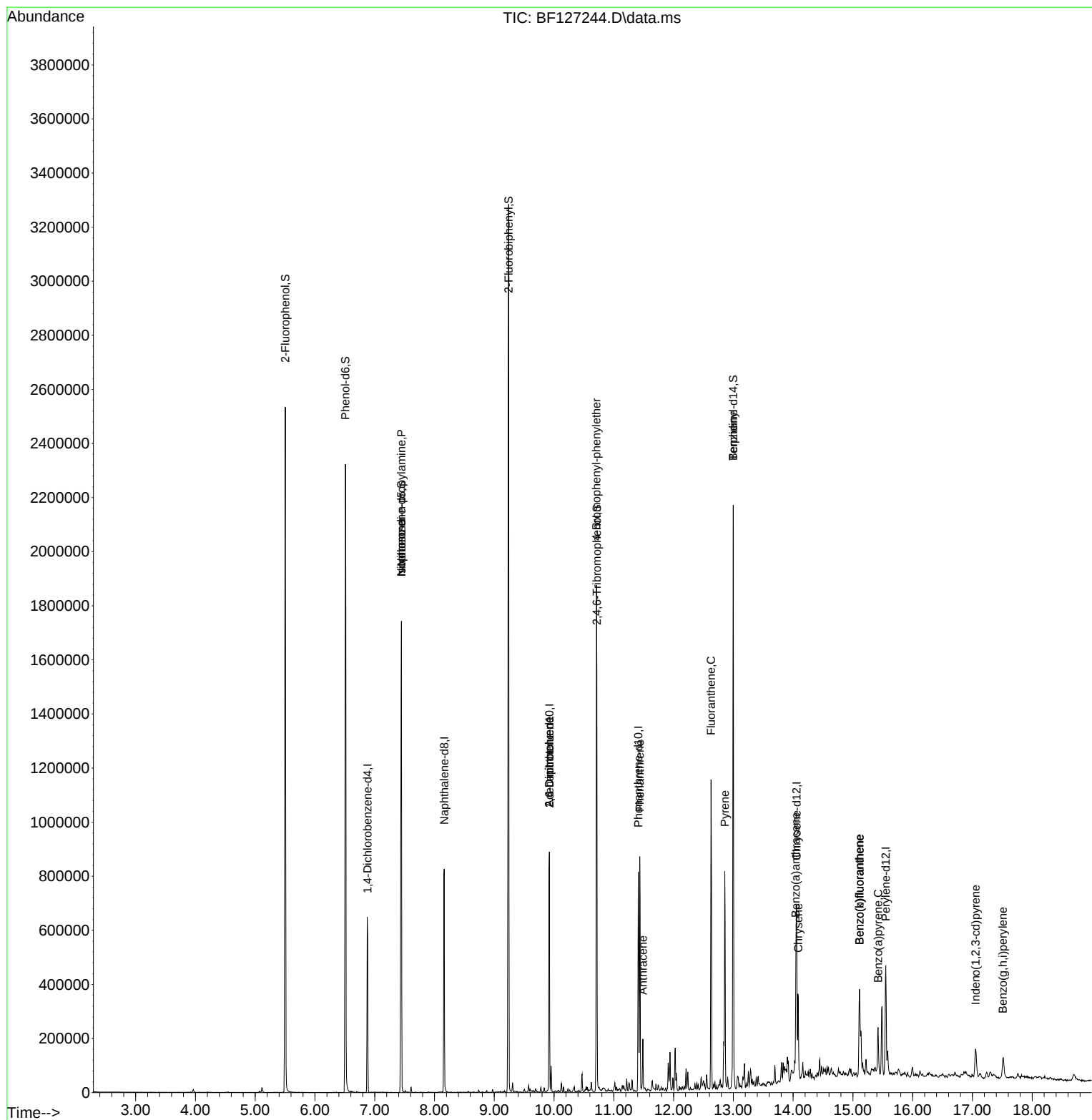
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	88113	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	359748	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	172643	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268413	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	150819	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	171633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	626612	109.913	ng	0.00
7) Phenol-d6	6.510	99	816311	106.116	ng	0.00
23) Nitrobenzene-d5	7.445	82	561826	70.492	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	221593	111.479	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	912150	77.781	ng	0.00
79) Terphenyl-d14	12.998	244	645125	62.881	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	75980	15.328	ng	# 77
25) Isophorone	7.445	82	560834	42.525	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	22934	9.135	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	22934	6.756	ng	# 15
67) 4-Bromophenyl-phenylether	10.710	248	12841	4.282	ng	# 1
71) Phenanthrene	11.433	178	290436	19.332	ng	99
72) Anthracene	11.486	178	61594	4.118	ng	98
75) Fluoranthene	12.627	202	392164	27.491	ng	96
77) Benzidine	12.998	184	9766	2.383	ng	97
78) Pyrene	12.857	202	299143	22.830	ng	98
81) Benzo(a)anthracene	14.045	228	142732	14.038	ng	99
83) Chrysene	14.086	228	119215	12.468	ng	96
87) Indeno(1,2,3-cd)pyrene	17.051	276	69342	6.161	ng	# 85
88) Benzo(b)fluoranthene	15.110	252	233383	20.246	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	233383	20.990	ng	# 94
90) Benzo(a)pyrene	15.421	252	75929	8.433	ng	97
92) Benzo(g,h,i)perylene	17.509	276	59253	6.457	ng	# 88

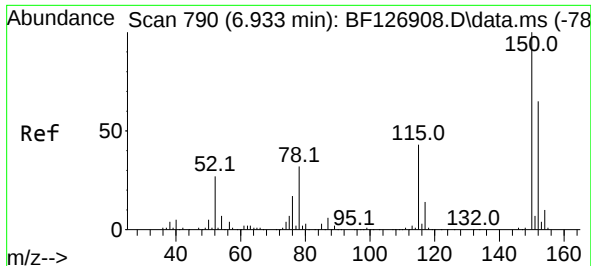
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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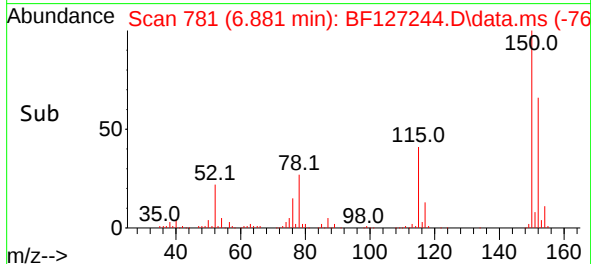
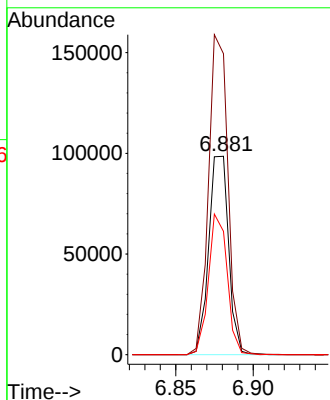
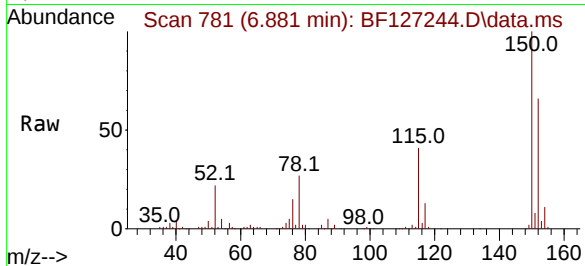




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

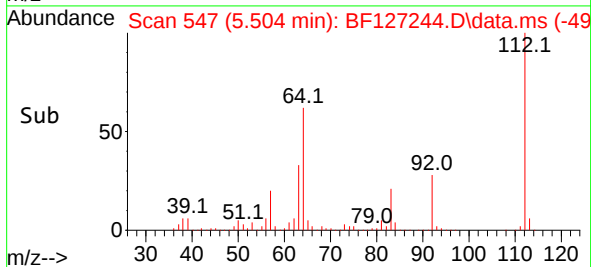
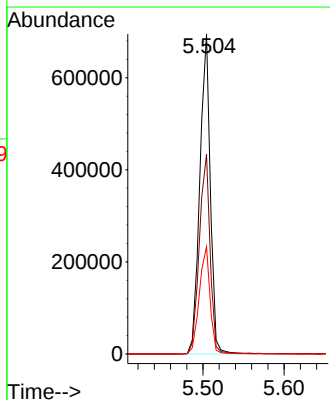
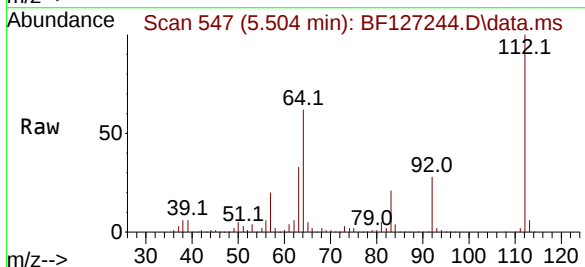
Instrument :
BNA_F
ClientSampleId :
DUM-23

Tgt Ion:152 Resp: 88113
Ion Ratio Lower Upper
152 100
150 151.7 128.1 192.1
115 62.1 56.7 85.1



#5
2-Fluorophenol
Concen: 109.913 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:112 Resp: 626612
Ion Ratio Lower Upper
112 100
64 62.3 49.5 74.3
63 33.5 23.9 35.9

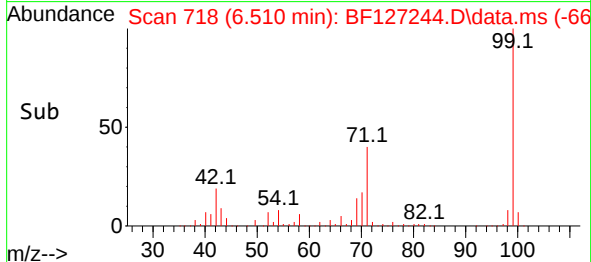
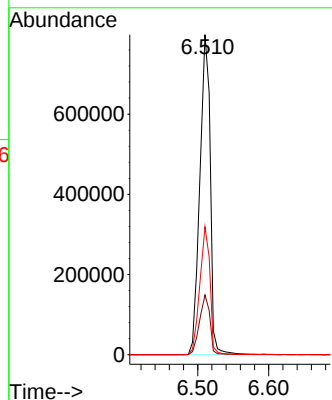
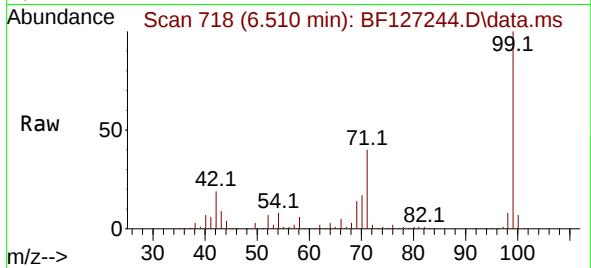




#7
Phenol-d6
Concen: 106.116 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

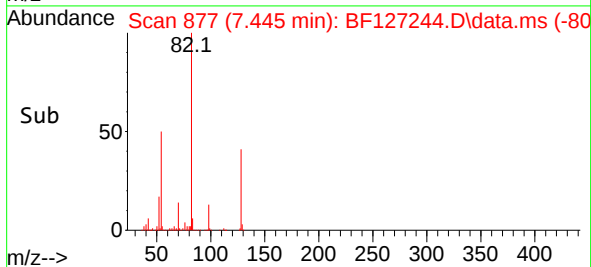
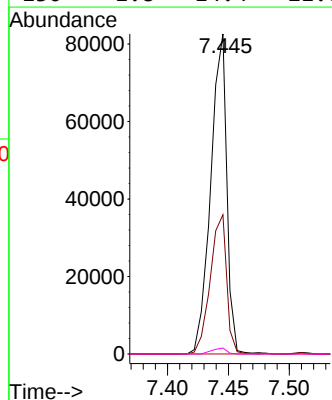
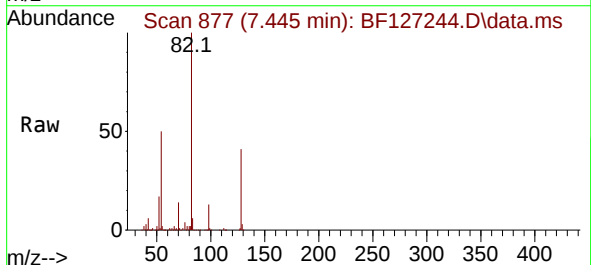
Instrument :
BNA_F
ClientSampleId :
DUM-23

Tgt Ion: 99 Resp: 816311
Ion Ratio Lower Upper
99 100
42 18.7 14.2 21.4
71 40.0 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.328 ng
RT: 7.445 min Scan# 877
Delta R.T. 0.153 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion: 70 Resp: 75980
Ion Ratio Lower Upper
70 100
42 43.5 45.8 68.8#
101 0.0 6.9 10.3#
130 1.8 14.4 21.6#

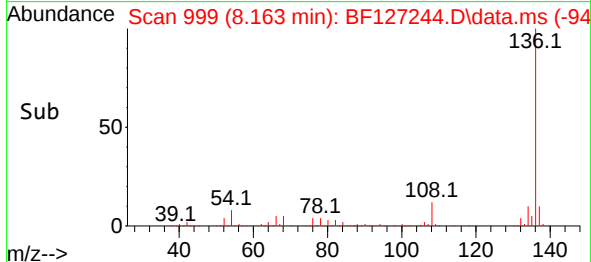
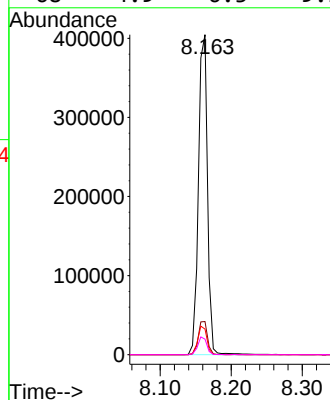
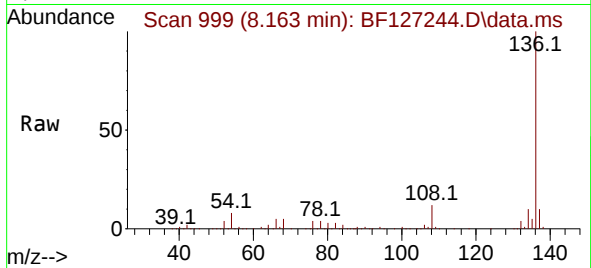




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

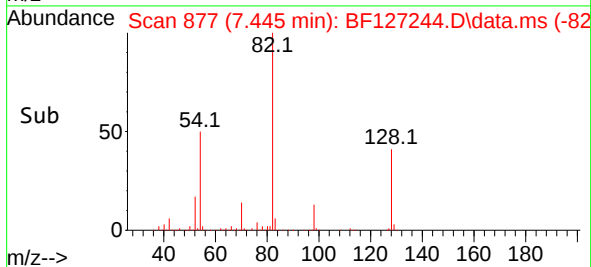
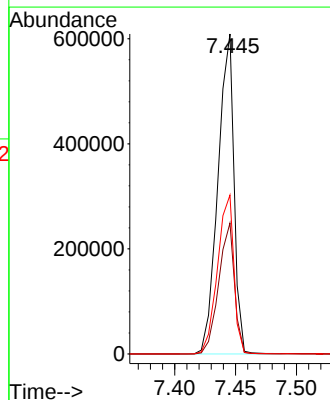
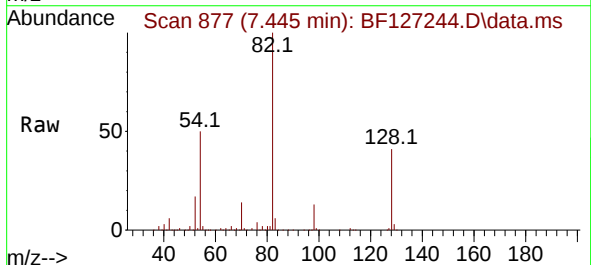
Instrument :
BNA_F
ClientSampleId :
DUM-23

Tgt Ion:136 Resp: 359748
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.0 7.8 11.6
68 4.9 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 70.492 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion: 82 Resp: 561826
Ion Ratio Lower Upper
82 100
128 40.9 32.7 49.1
54 49.6 41.7 62.5

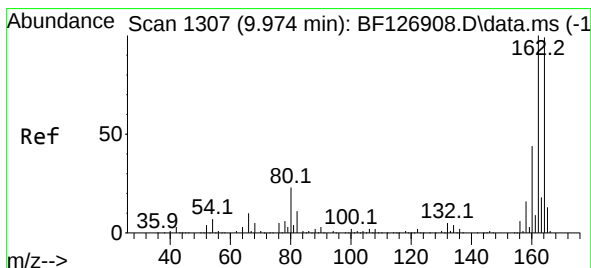
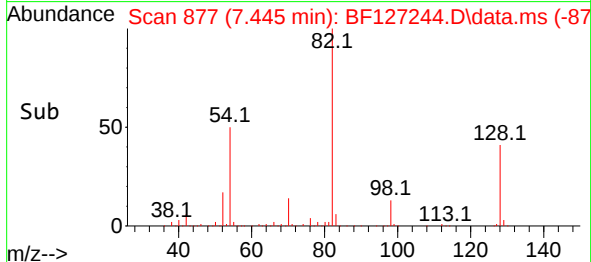
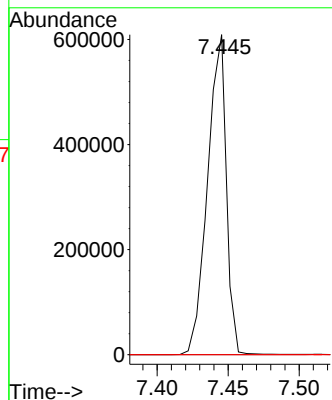
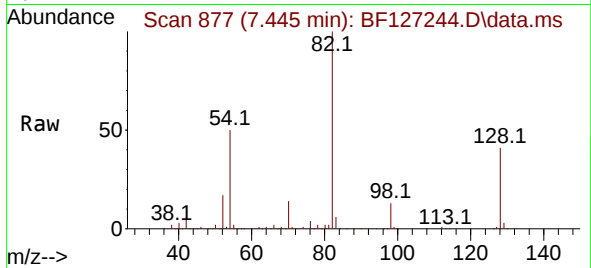




#25
Isophorone
Concen: 42.525 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

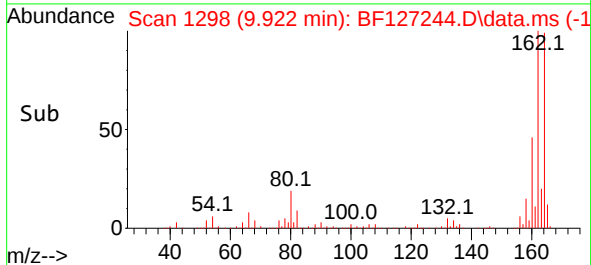
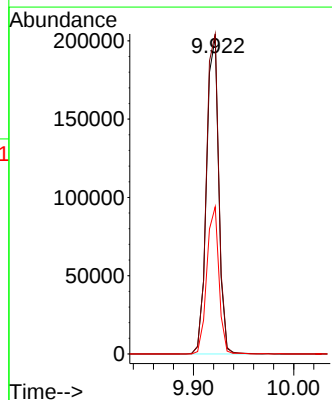
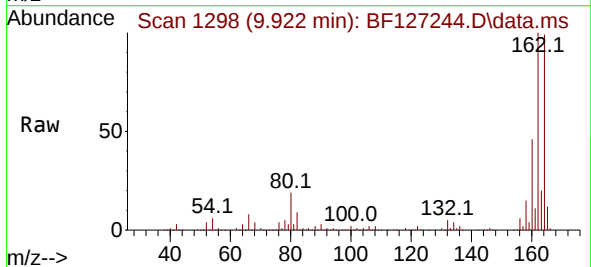
Instrument :
BNA_F
ClientSampleId :
DUM-23

Tgt Ion: 82 Resp: 560834
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: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:164 Resp: 172643
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 46.5 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 111.479 ng

RT: 10.716 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23

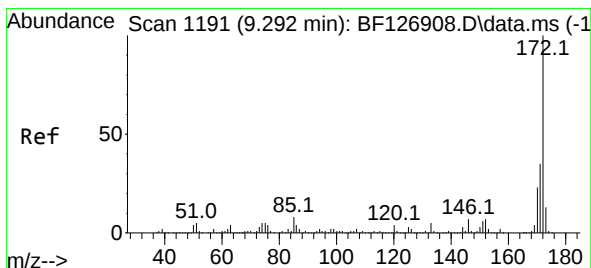
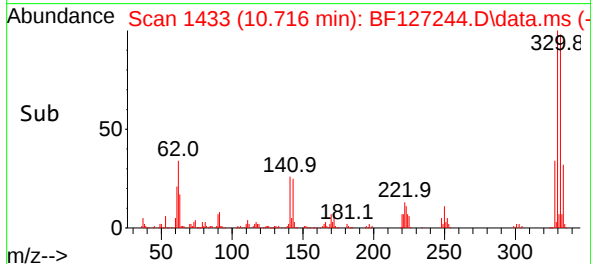
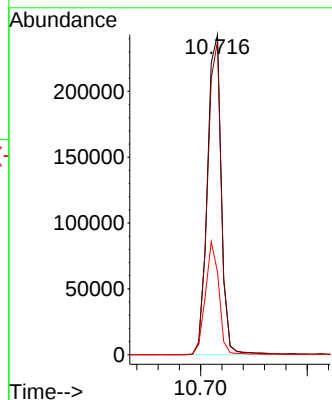
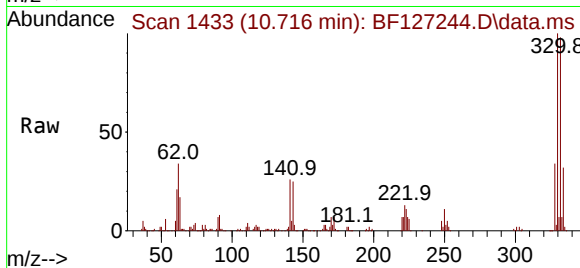
Tgt Ion:330 Resp: 221593

Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

141 34.4 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 77.781 ng

RT: 9.239 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

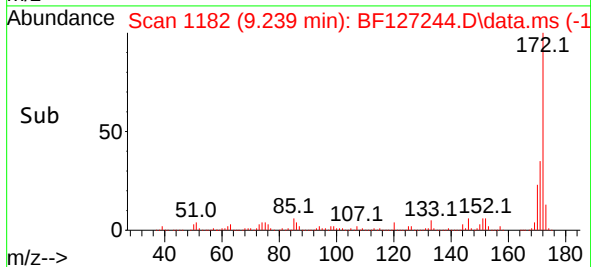
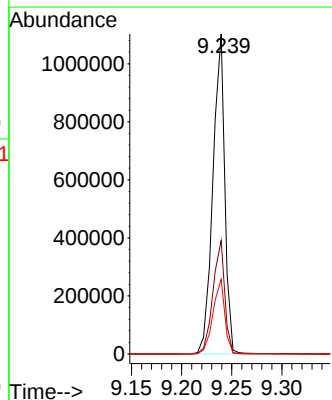
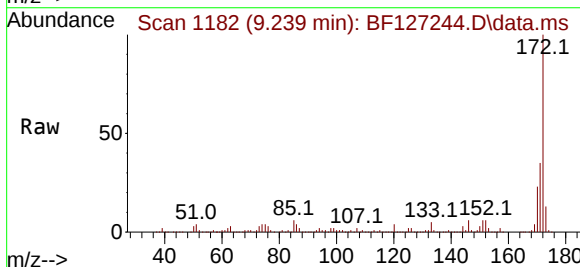
Tgt Ion:172 Resp: 912150

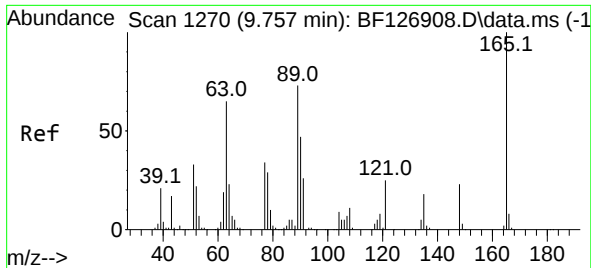
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.3 19.0 28.6

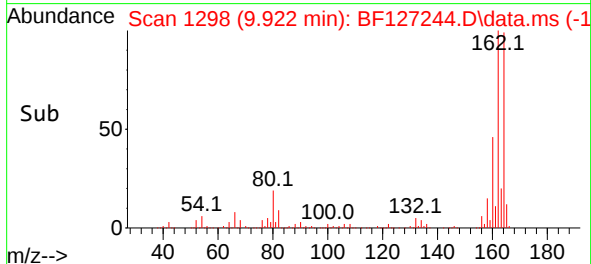
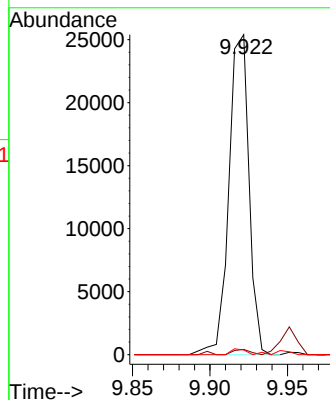
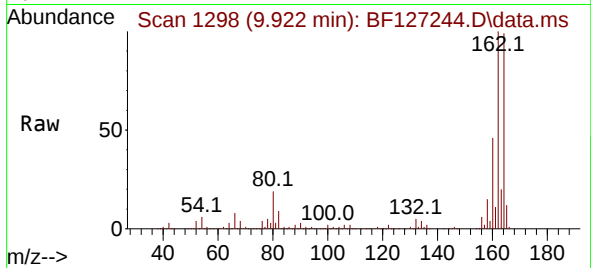




#51
2,6-Dinitrotoluene
Concen: 9.135 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

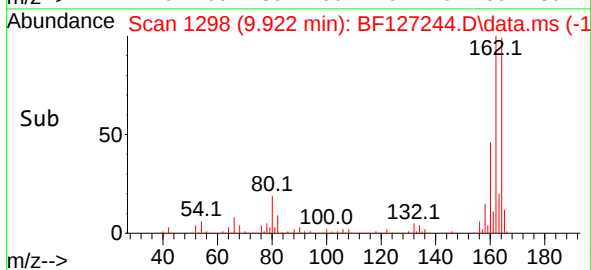
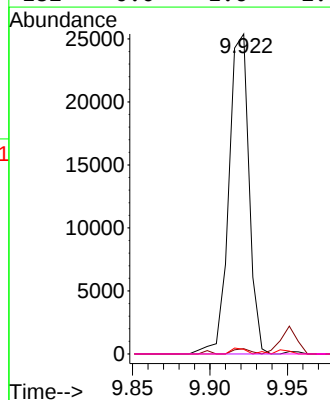
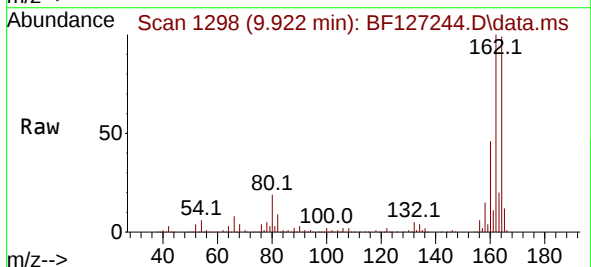
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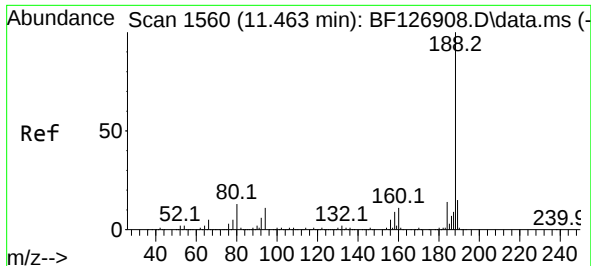
Tgt Ion:165 Resp: 22934
Ion Ratio Lower Upper
165 100
63 1.7 48.4 72.6#
89 1.5 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.756 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.194 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:165 Resp: 22934
Ion Ratio Lower Upper
165 100
63 1.7 43.0 64.6#
89 1.5 71.0 106.4#
182 0.0 1.6 2.4#

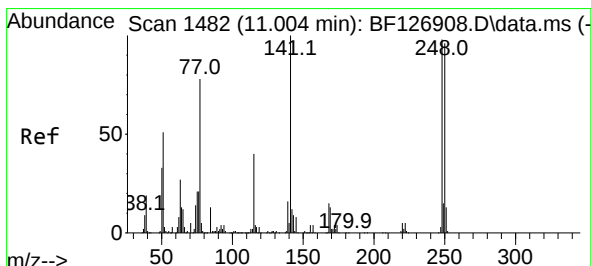
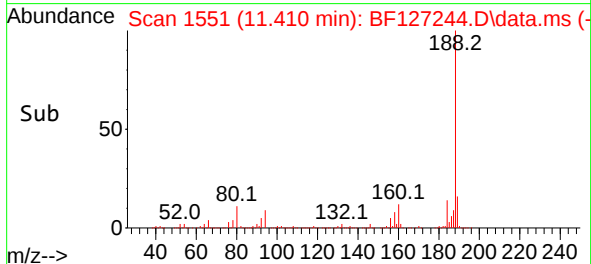
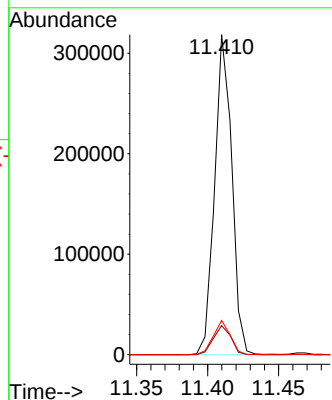
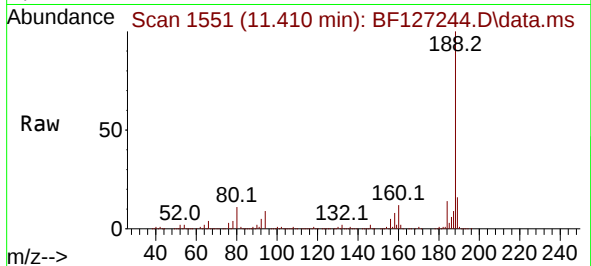




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

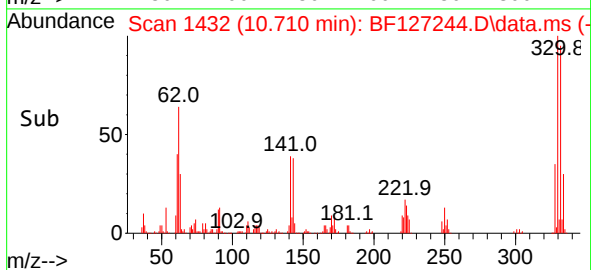
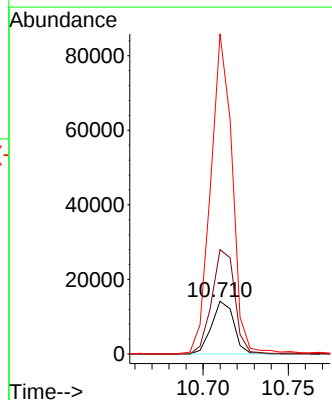
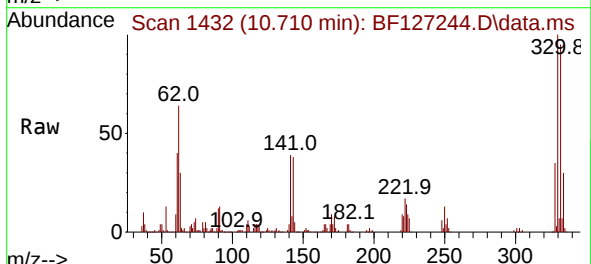
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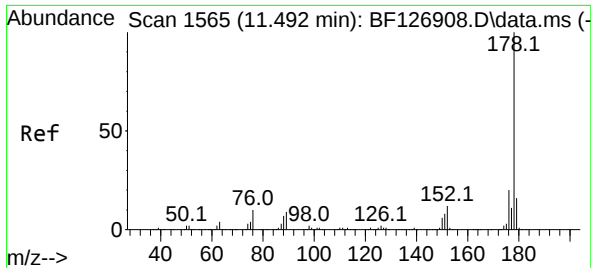
Tgt Ion:188 Resp: 268413
Ion Ratio Lower Upper
188 100
94 9.1 10.1 15.1#
80 10.7 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 4.282 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.247 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:248 Resp: 12841
Ion Ratio Lower Upper
248 100
250 198.5 76.2 114.4#
141 608.5 66.2 99.4#

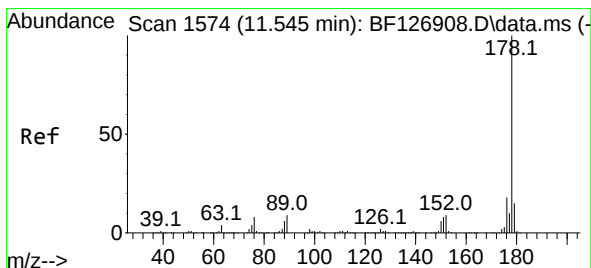
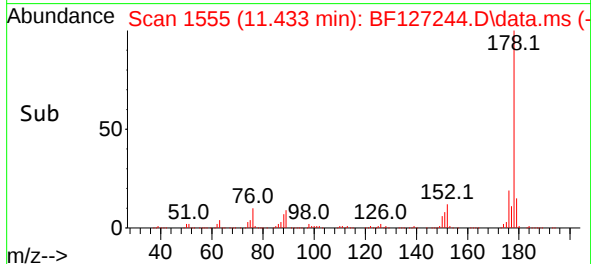
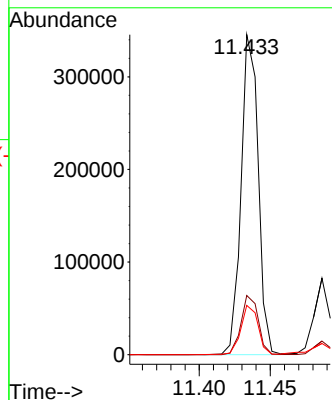
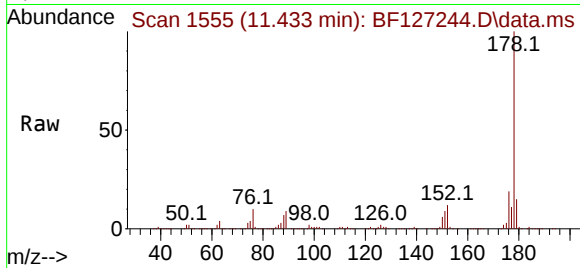




#71
Phenanthrene
Concen: 19.332 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

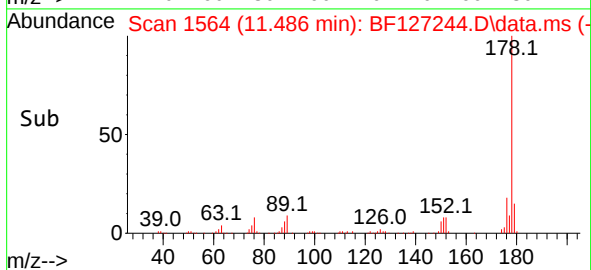
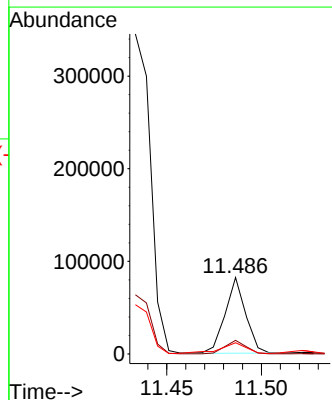
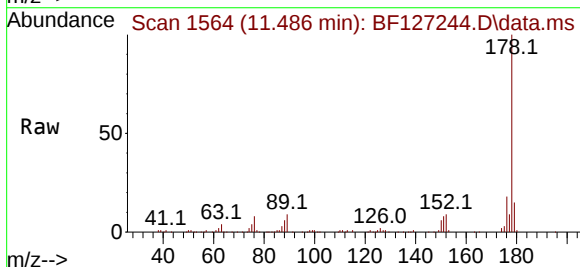
Instrument :
BNA_F
ClientSampleId :
DUM-23

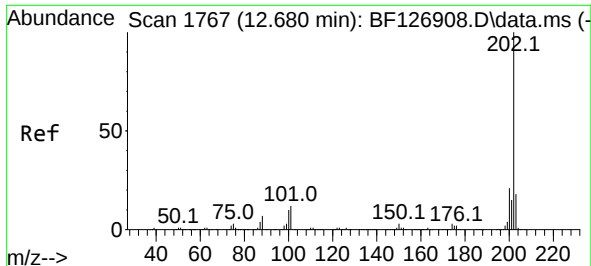
Tgt Ion:178 Resp: 290436
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 15.4 12.3 18.5



#72
Anthracene
Concen: 4.118 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:178 Resp: 61594
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.6
179 14.6 12.5 18.7

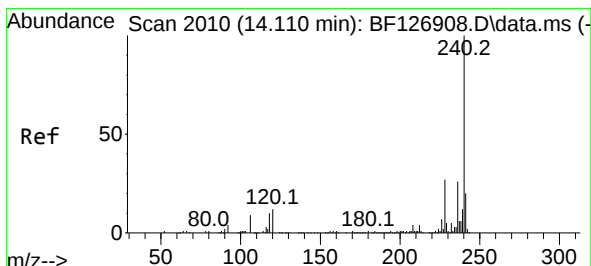
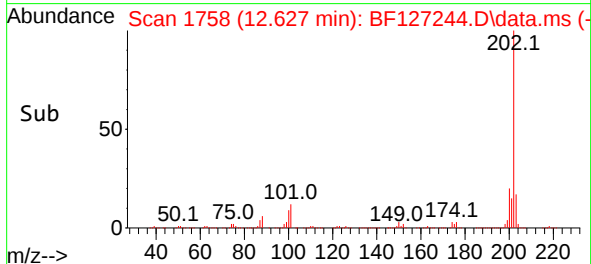
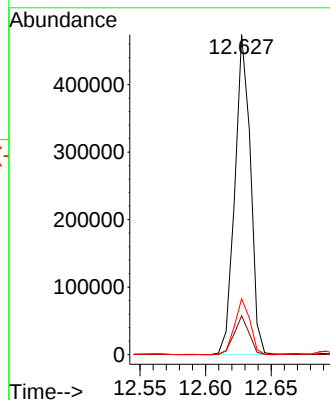
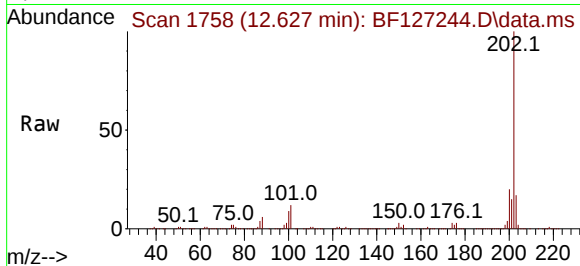




#75
Fluoranthene
Concen: 27.491 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

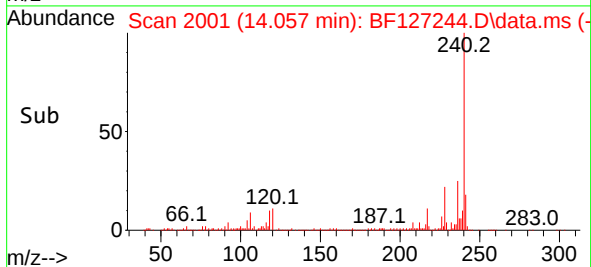
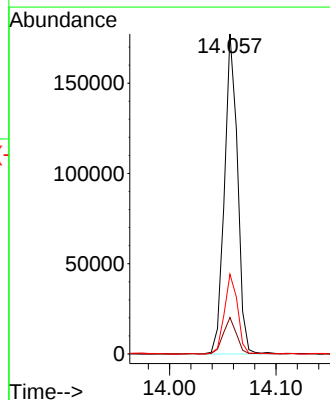
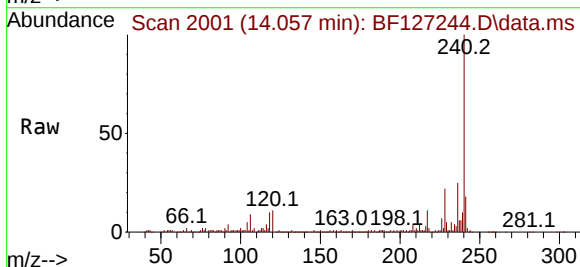
Instrument :
BNA_F
ClientSampleId :
DUM-23

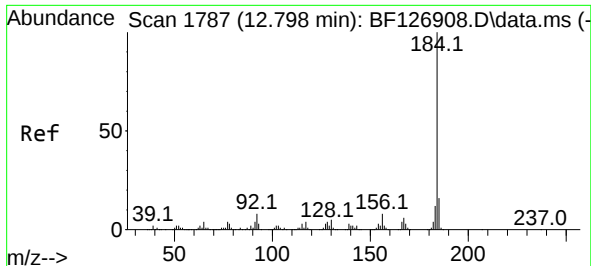
Tgt Ion:202 Resp: 392164
Ion Ratio Lower Upper
202 100
101 12.1 0.0 35.7
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:240 Resp: 150819
Ion Ratio Lower Upper
240 100
120 11.4 14.4 21.6#
236 24.9 20.5 30.7

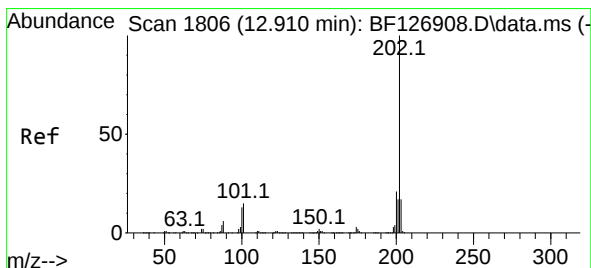
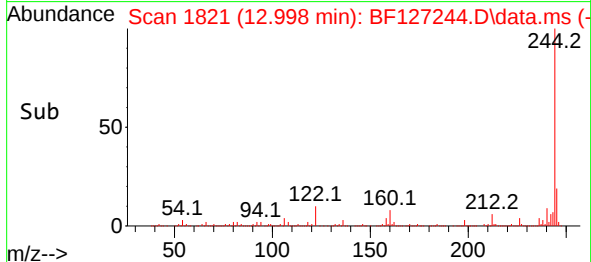
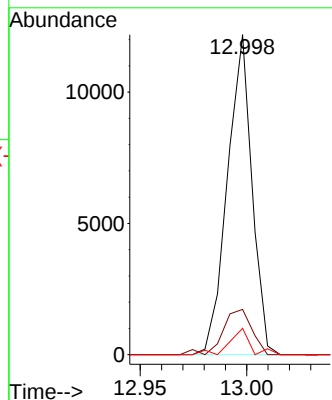
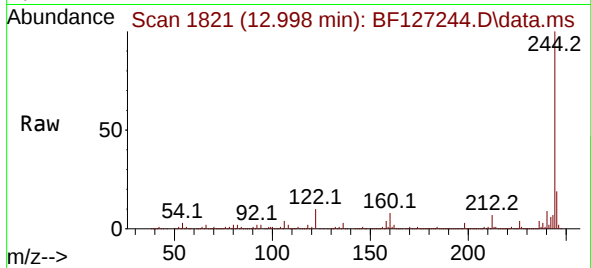




#77
Benzidine
Concen: 2.383 ng
RT: 12.998 min Scan# 1787
Delta R.T. 0.247 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

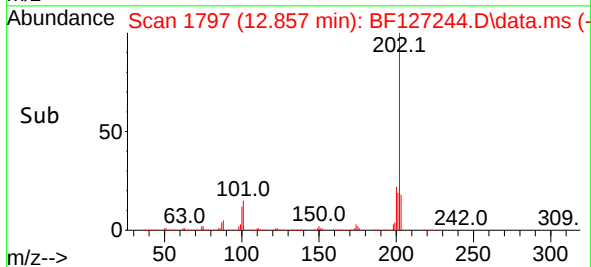
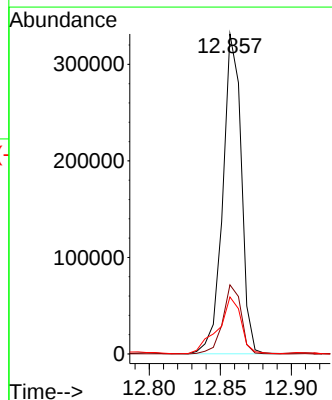
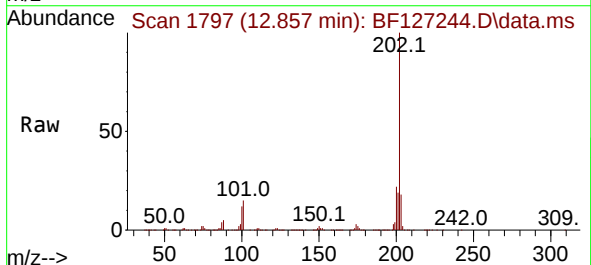
Instrument :
BNA_F
ClientSampleId :
DUM-23

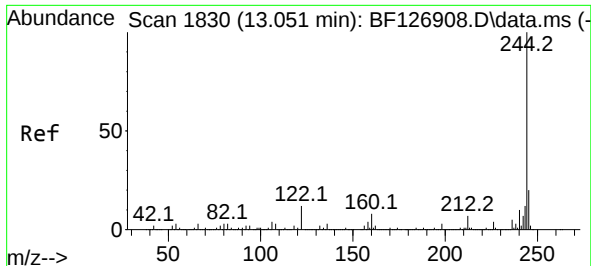
Tgt Ion:184 Resp: 9766
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.8
183 8.2 8.2 12.2



#78
Pyrene
Concen: 22.830 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:202 Resp: 299143
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 17.8 13.8 20.8

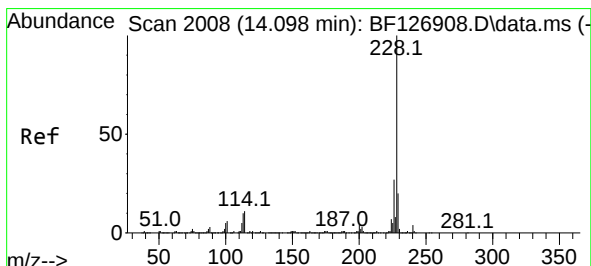
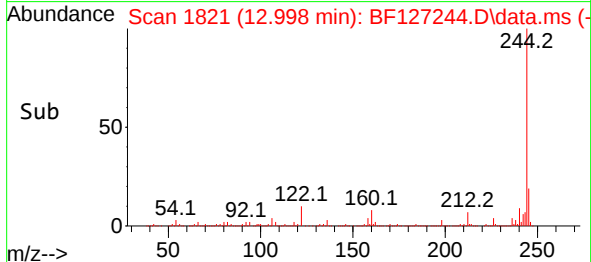
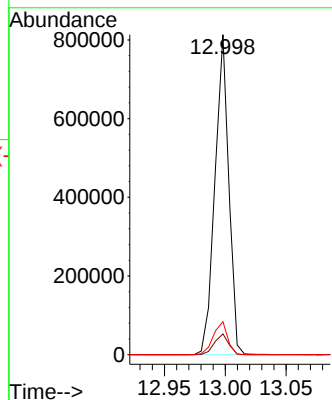
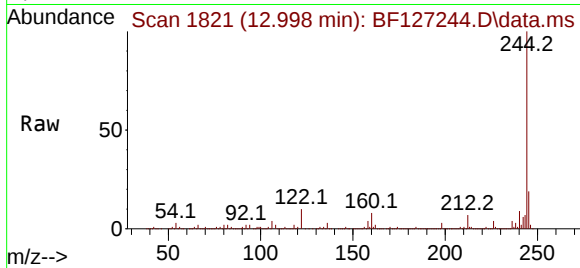




#79
 Terphenyl-d14
 Concen: 62.881 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47

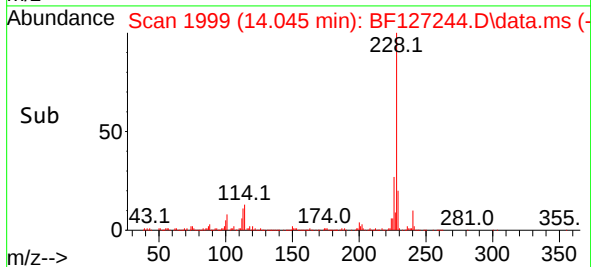
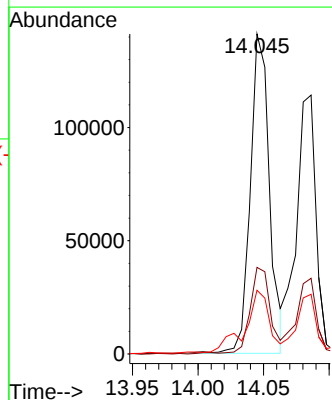
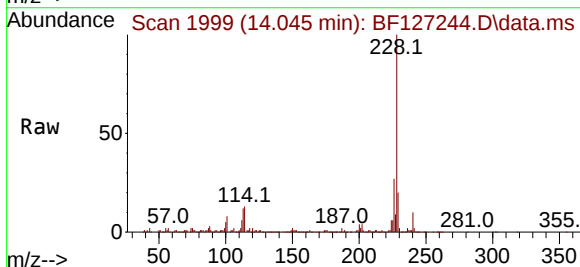
Instrument :
 BNA_F
 ClientSampleId :
 DUM-23

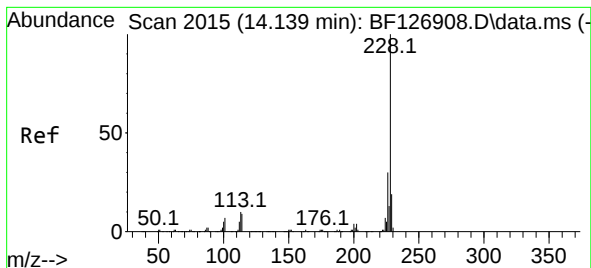
Tgt Ion:244 Resp: 645125
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 10.3 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 14.038 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47

Tgt Ion:228 Resp: 142732
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.4 32.0
 229 19.9 15.4 23.2





#83

Chrysene

Concen: 12.468 ng

RT: 14.086 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23

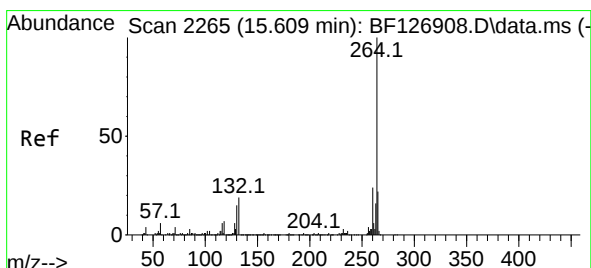
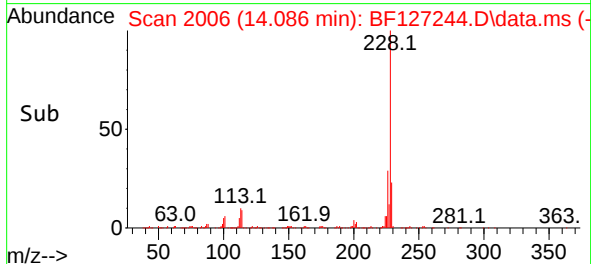
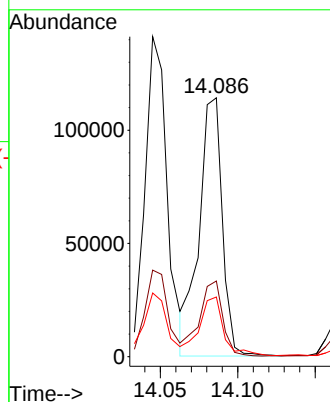
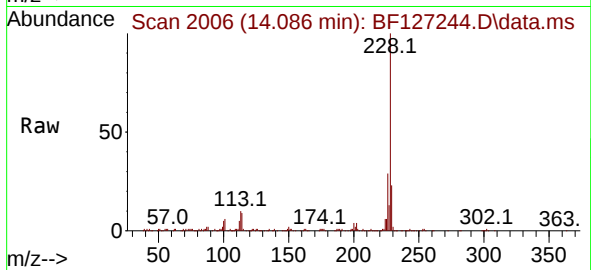
Tgt Ion:228 Resp: 119215

Ion Ratio Lower Upper

228 100

226 29.2 23.7 35.5

229 23.0 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

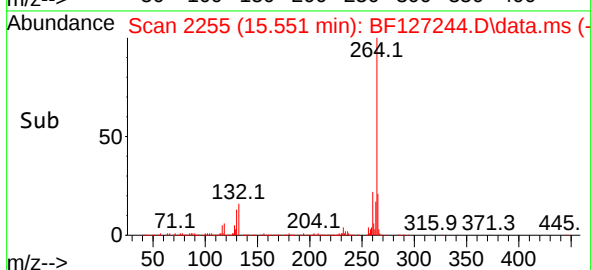
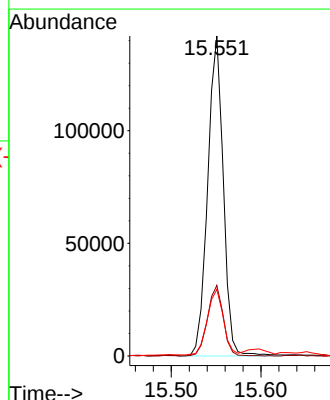
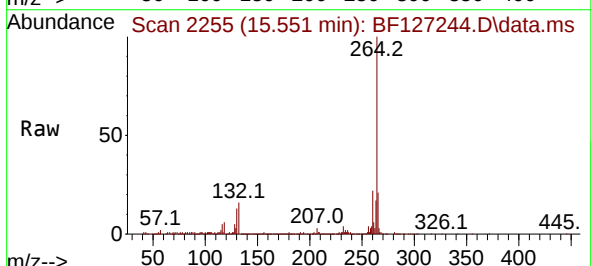
Tgt Ion:264 Resp: 171633

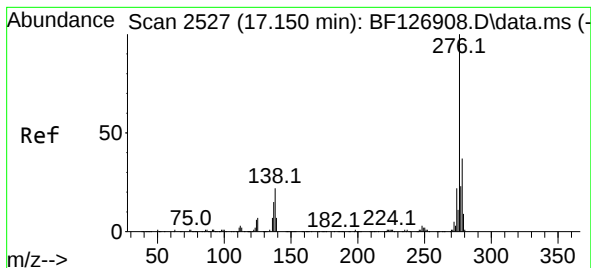
Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 20.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.161 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23

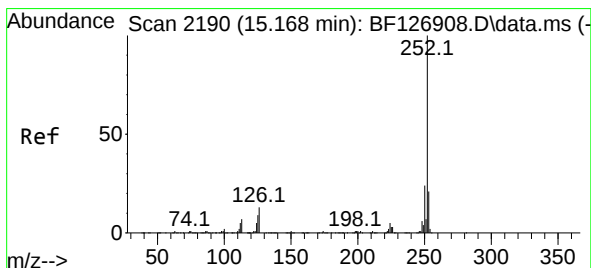
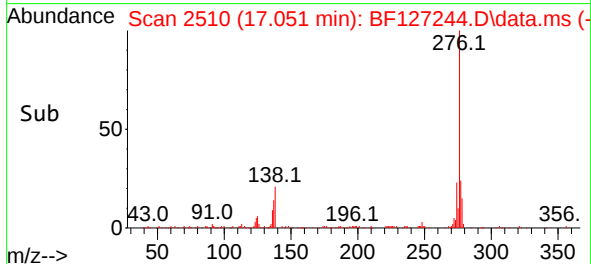
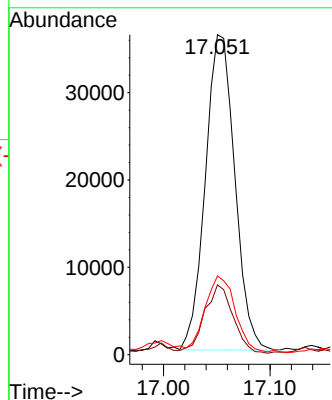
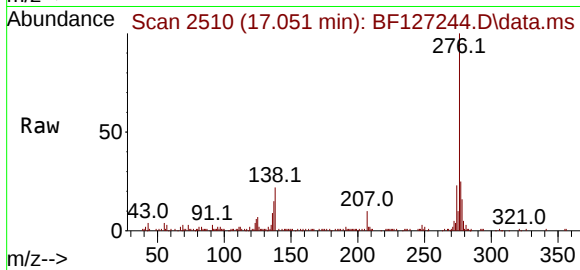
Tgt Ion:276 Resp: 69342

Ion Ratio Lower Upper

276 100

138 21.5 29.2 43.8#

277 25.1 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 20.246 ng

RT: 15.110 min Scan# 2180

Delta R.T. 0.000 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

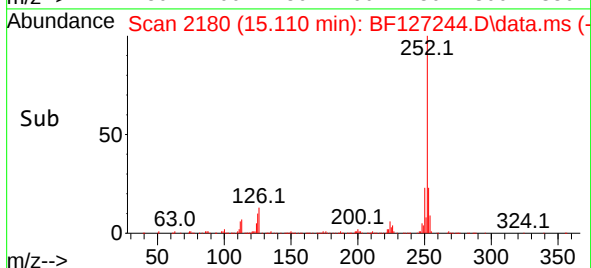
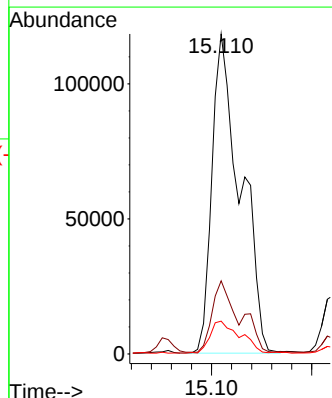
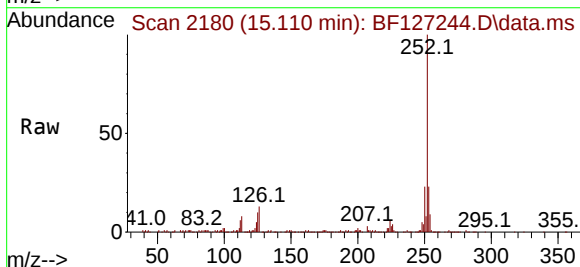
Tgt Ion:252 Resp: 233383

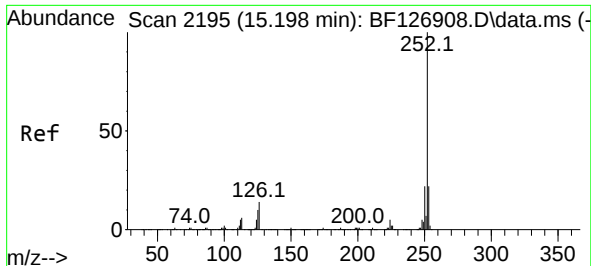
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 10.2 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 20.990 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23

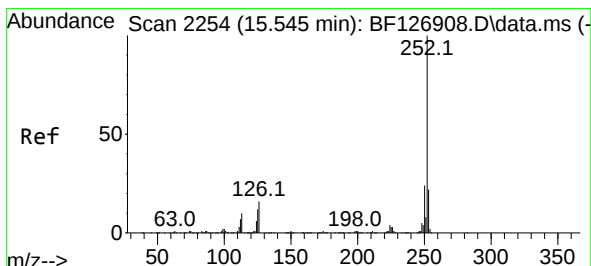
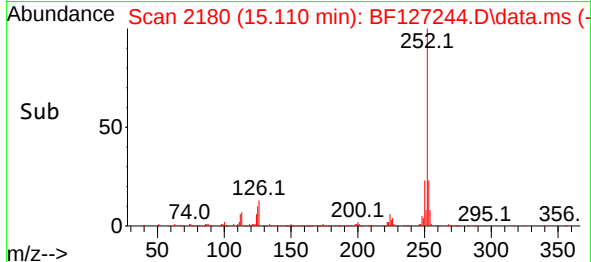
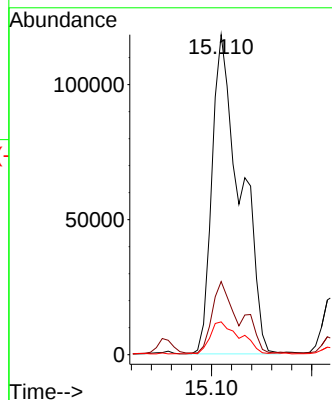
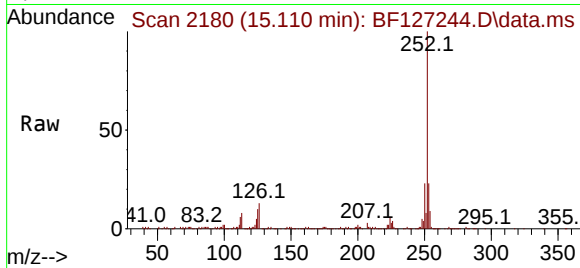
Tgt Ion:252 Resp: 233383

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.2 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 8.433 ng

RT: 15.421 min Scan# 2233

Delta R.T. -0.065 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

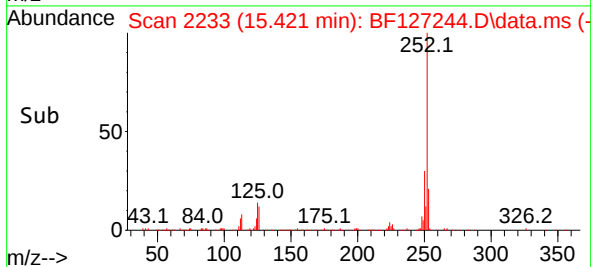
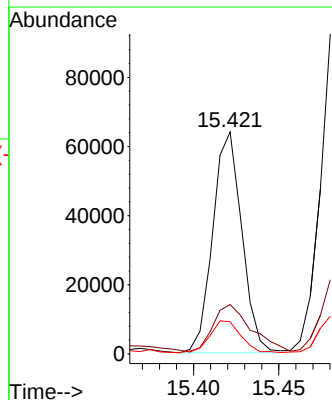
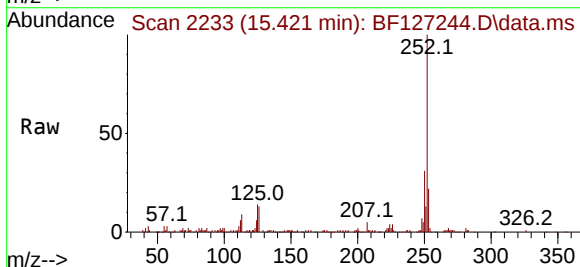
Tgt Ion:252 Resp: 75929

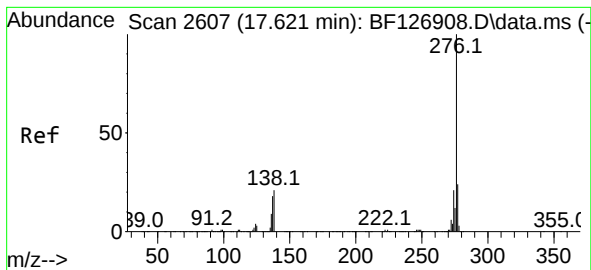
Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

125 14.5 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 6.457 ng

RT: 17.509 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF127244.D

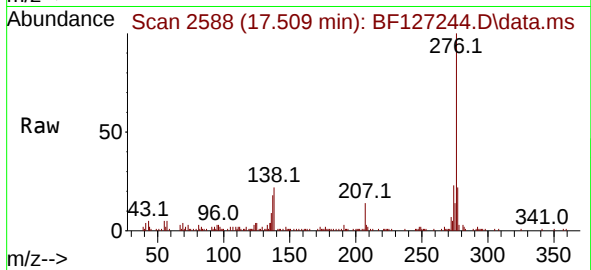
Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23



Tgt Ion:276 Resp: 59253

Ion Ratio Lower Upper

276 100

277 21.9 18.5 27.7

138 21.7 25.9 38.9#

