

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127186.D
 Acq On : 03 Mar 2022 22:20
 Operator : CG\JU
 Sample : N1726-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

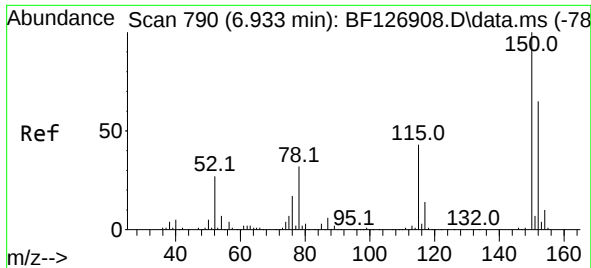
Instrument :
 BNA_F
 ClientSampleId :
 275

Quant Time: Mar 04 02:15:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	94977	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	366002	20.000	ng	# 0.00
39) Acenaphthene-d10	9.934	164	170919	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	263850	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	157570	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	151960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	744363	121.131	ng	0.01
7) Phenol-d6	6.528	99	952926	114.922	ng	0.00
23) Nitrobenzene-d5	7.457	82	568084	70.059	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	212980	108.227	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	862664	74.303	ng	0.00
79) Terphenyl-d14	13.010	244	669057	62.419	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.522	42	20136	5.573	ng	# 1
10) Phenol	6.540	94	21703	2.590	ng	87
19) n-Nitroso-di-n-propyla...	7.457	70	77314	14.470	ng	# 78
25) Isophorone	7.457	82	567009	42.258	ng	# 69
51) 2,6-Dinitrotoluene	9.934	165	23210	9.338	ng	# 22
57) 2,4-Dinitrotoluene	9.934	165	23210	6.906	ng	# 16
67) 4-Bromophenyl-phenylether	10.722	248	12871	4.366	ng	# 1
75) Fluoranthene	12.639	202	32327	2.305	ng	93
77) Benzidine	13.010	184	9782	2.284	ng	98
78) Pyrene	12.869	202	34600	2.527	ng	99
81) Benzo(a)anthracene	14.092	228	35942	3.383	ng	94
83) Chrysene	14.092	228	35942	3.598	ng	97
88) Benzo(b)fluoranthene	15.121	252	22967	2.250	ng	# 91
89) Benzo(k)fluoranthene	15.121	252	22967	2.333	ng	# 91

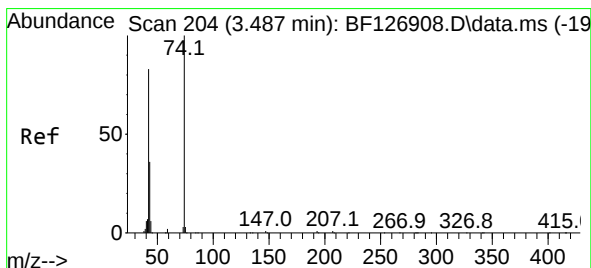
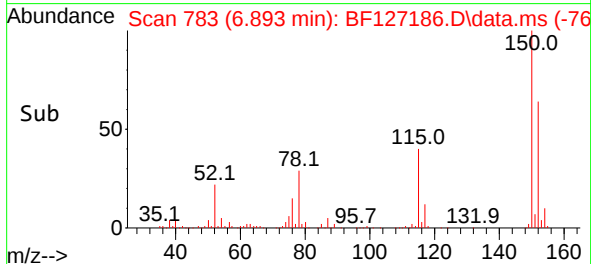
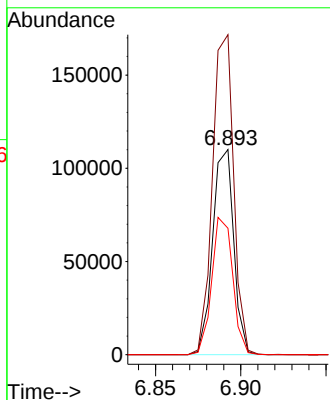
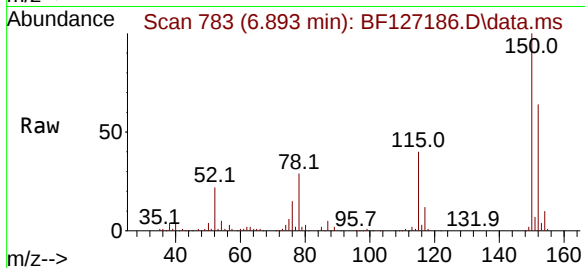
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

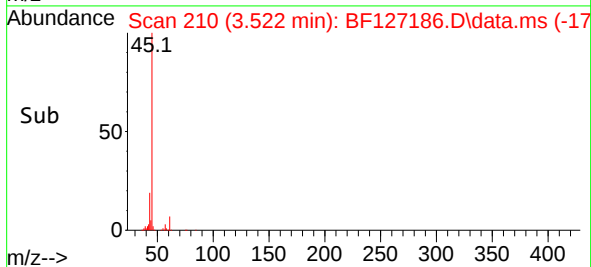
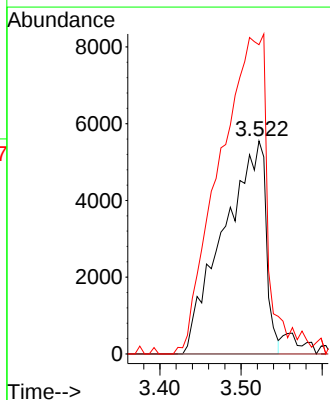
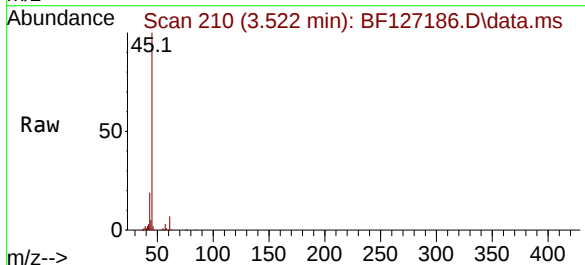
Instrument :
BNA_F
ClientSampleId :
275

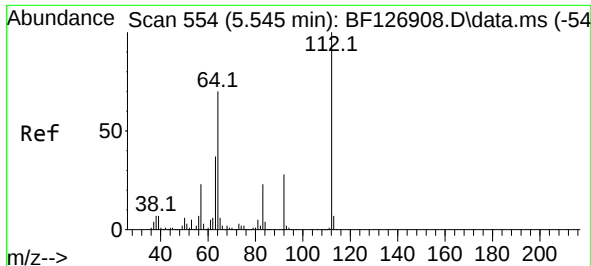
Tgt Ion:152 Resp: 94977
Ion Ratio Lower Upper
152 100
150 156.0 128.1 192.1
115 61.6 56.7 85.1



#4
n-Nitrosodimethylamine
Concen: 5.573 ng
RT: 3.522 min Scan# 210
Delta R.T. 0.106 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion: 42 Resp: 20136
Ion Ratio Lower Upper
42 100
74 0.0 125.6 188.4#
44 145.2 5.7 8.5#

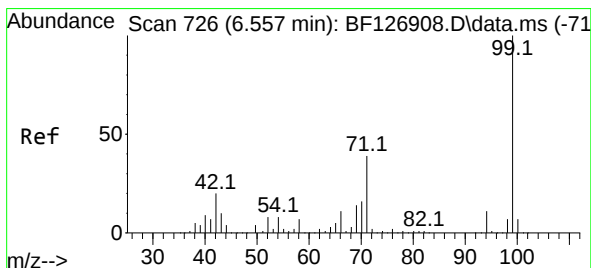
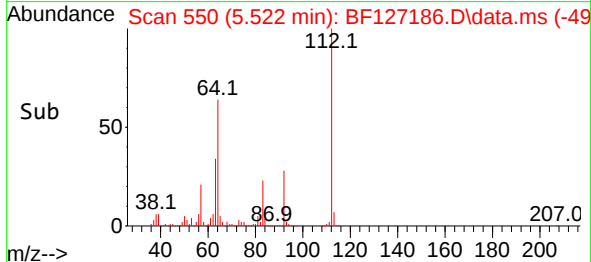
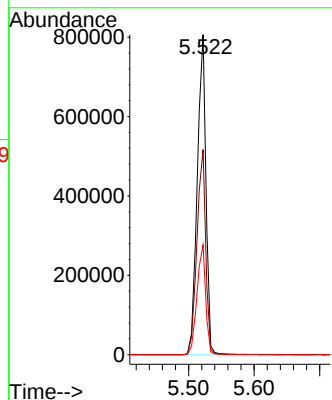
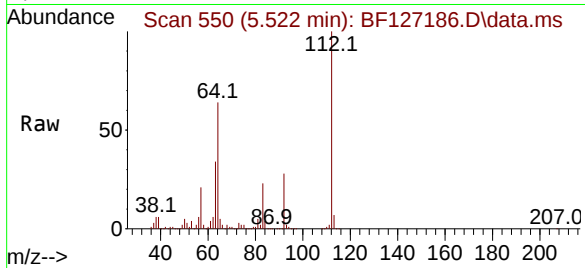




#5
2-Fluorophenol
Concen: 121.131 ng
RT: 5.522 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

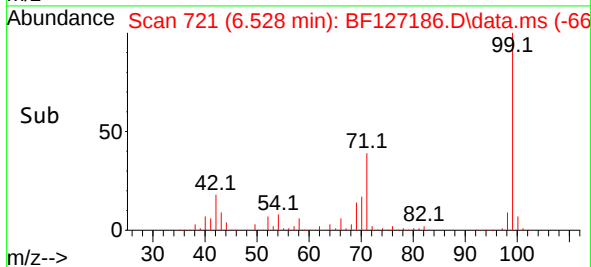
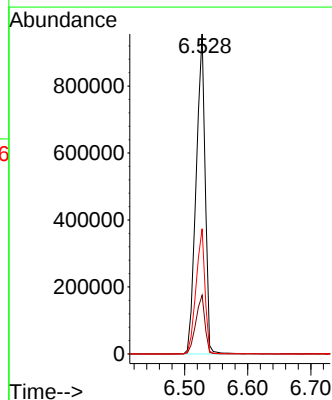
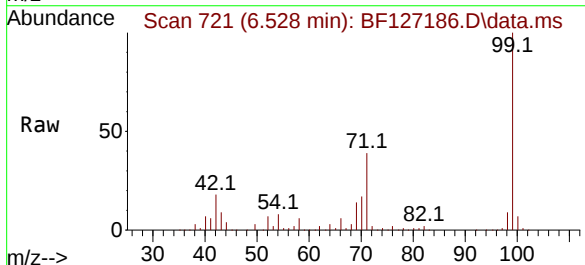
Instrument :
BNA_F
ClientSampleId :
275

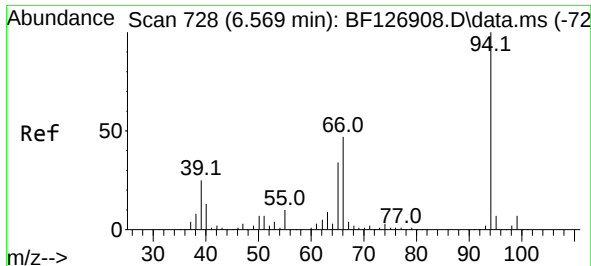
Tgt Ion:112 Resp: 744363
Ion Ratio Lower Upper
112 100
64 64.1 49.5 74.3
63 34.3 23.9 35.9



#7
Phenol-d6
Concen: 114.922 ng
RT: 6.528 min Scan# 721
Delta R.T. 0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion: 99 Resp: 952926
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 39.1 24.3 36.5#

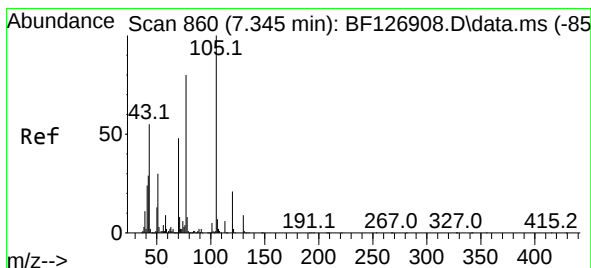
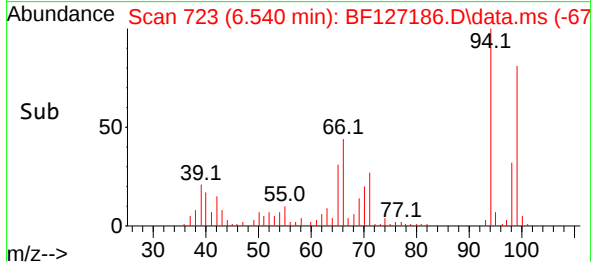
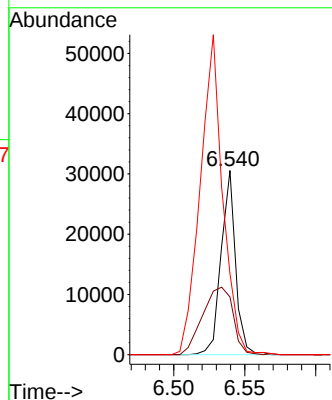
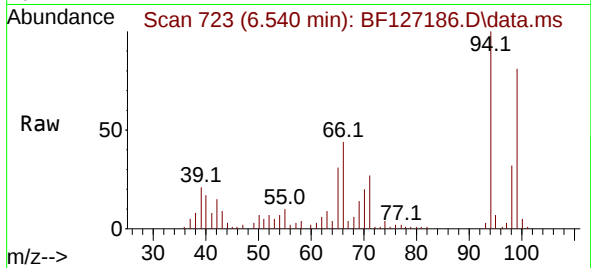




#10
Phenol
Concen: 2.590 ng
RT: 6.540 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

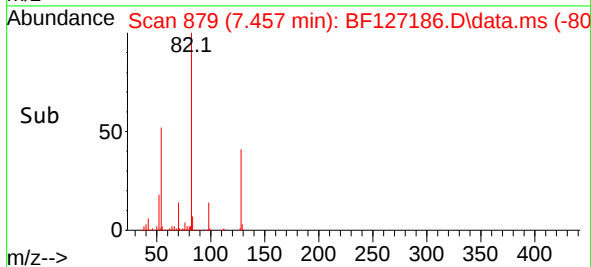
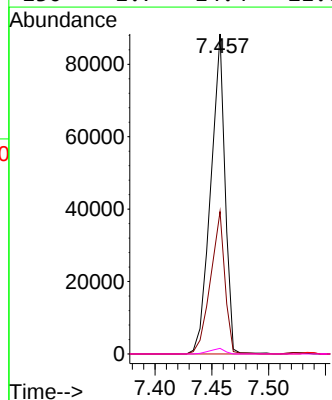
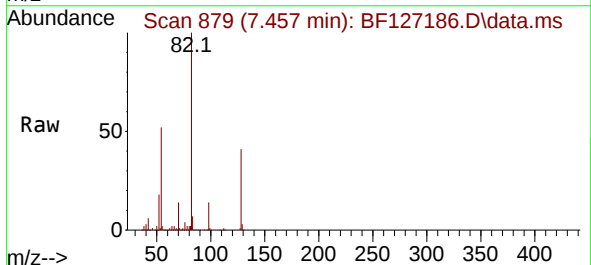
Instrument :
BNA_F
ClientSampleId :
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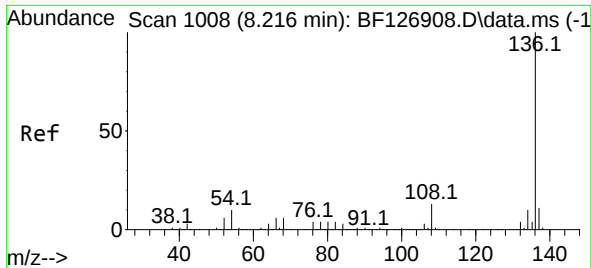
Tgt Ion: 94 Resp: 21703
Ion Ratio Lower Upper
94 100
65 31.4 7.2 47.2
66 43.9 14.5 54.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.470 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.153 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion: 70 Resp: 77314
Ion Ratio Lower Upper
70 100
42 44.5 45.8 68.8#
101 0.0 6.9 10.3#
130 1.7 14.4 21.6#

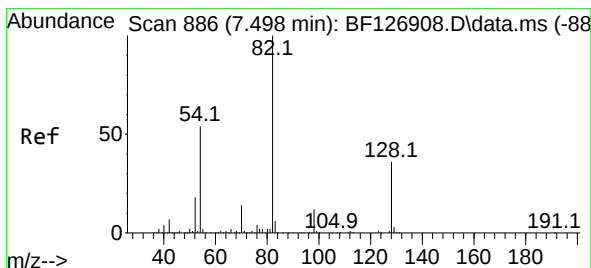
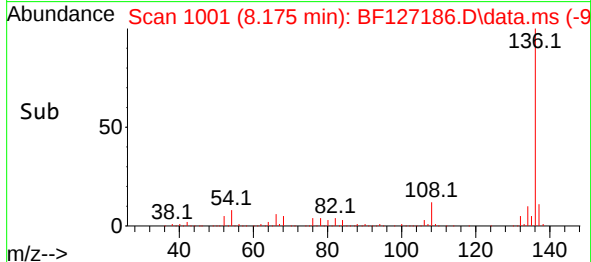
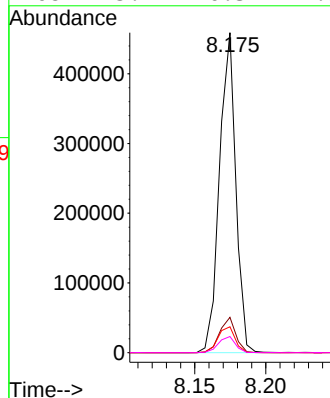
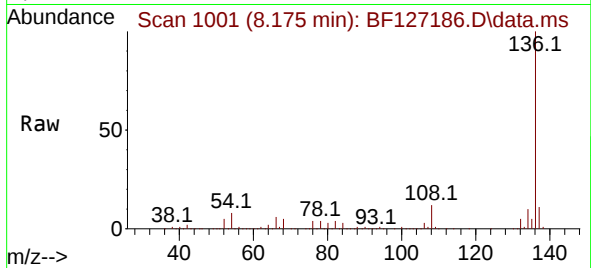




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

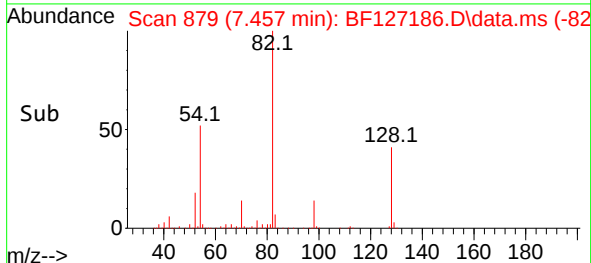
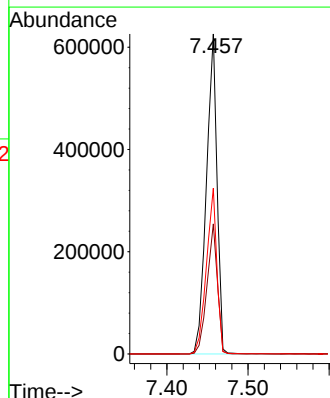
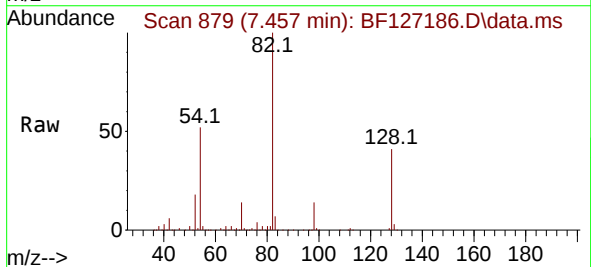
Instrument :
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ClientSampleId :
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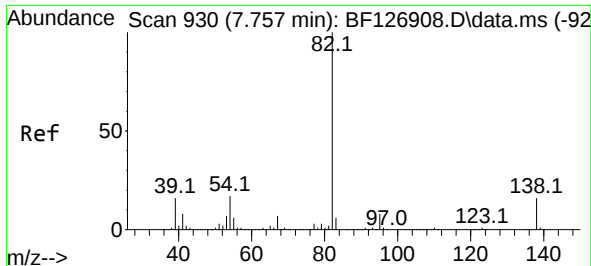
Tgt Ion:136 Resp: 366002
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.1 7.8 11.6
68 5.1 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 70.059 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion: 82 Resp: 568084
Ion Ratio Lower Upper
82 100
128 40.6 32.7 49.1
54 51.8 41.7 62.5

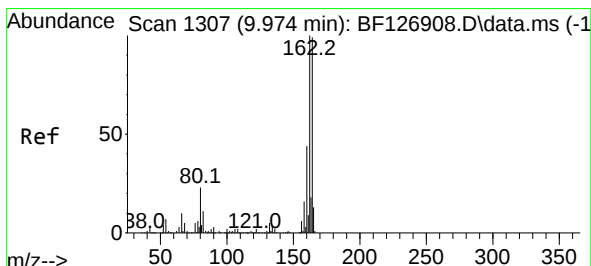
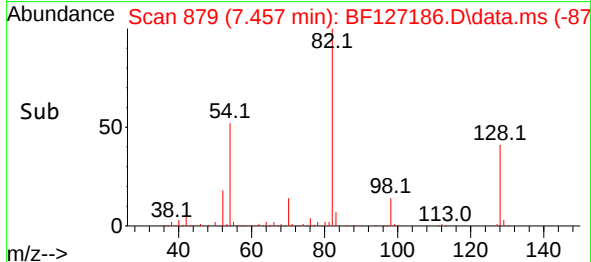
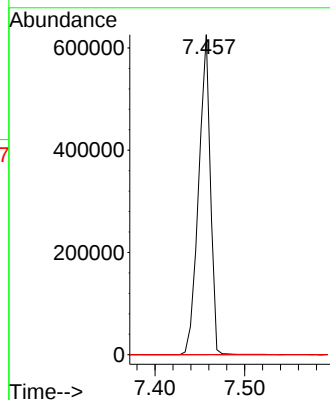
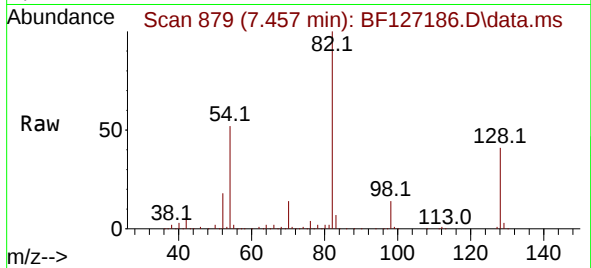




#25
Isophorone
Concen: 42.258 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

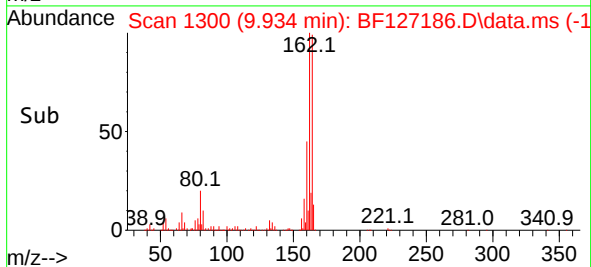
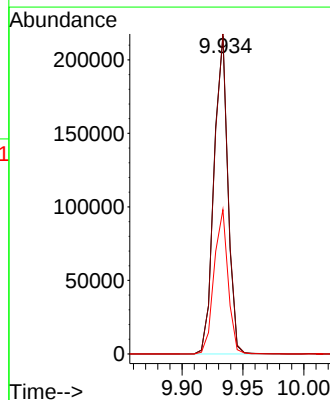
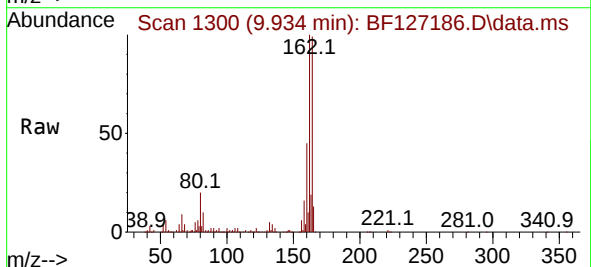
Instrument :
BNA_F
ClientSampleId :
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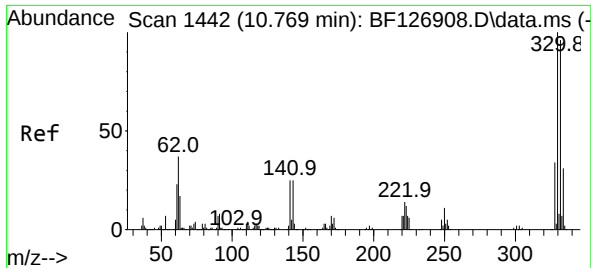
Tgt Ion: 82 Resp: 567009
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion:164 Resp: 170919
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 108.227 ng

RT: 10.728 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

Instrument :

BNA_F

ClientSampleId :

275

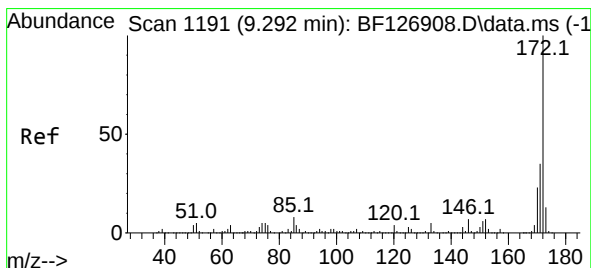
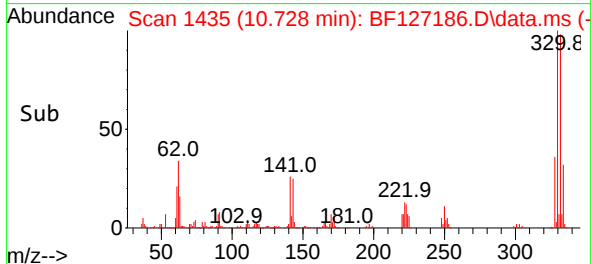
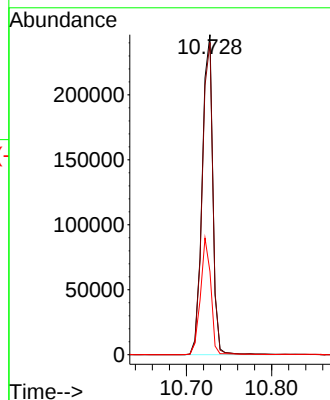
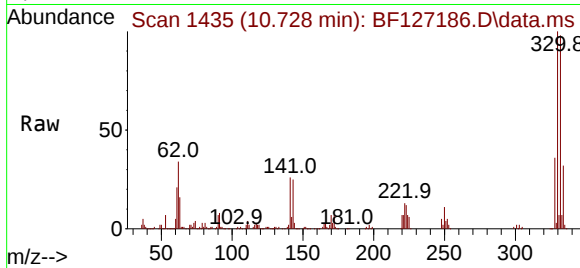
Tgt Ion:330 Resp: 212980

Ion Ratio Lower Upper

330 100

332 97.2 76.0 114.0

141 35.8 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 74.303 ng

RT: 9.251 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

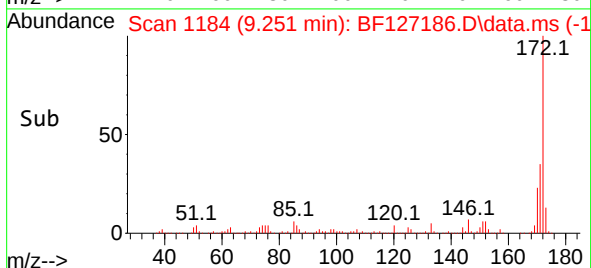
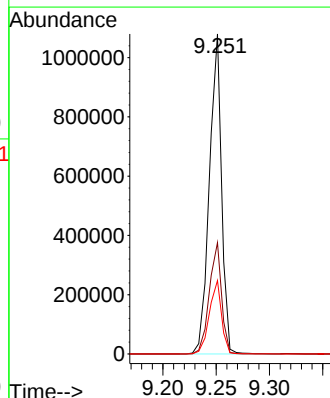
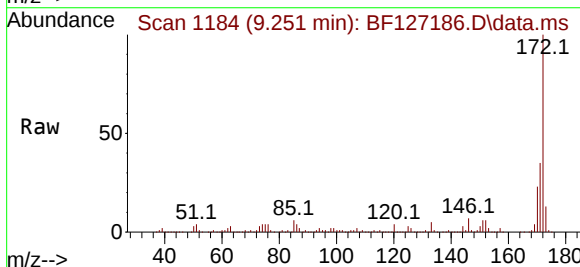
Tgt Ion:172 Resp: 862664

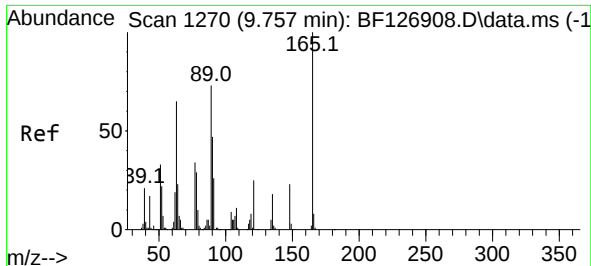
Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

170 23.0 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.338 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

Instrument :

BNA_F

ClientSampleId :

275

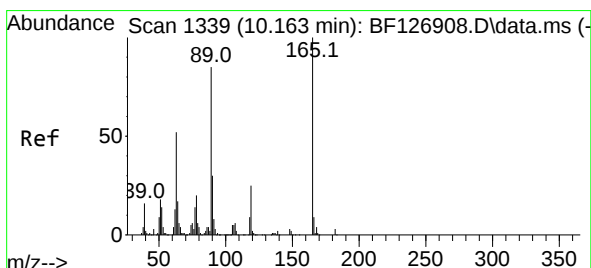
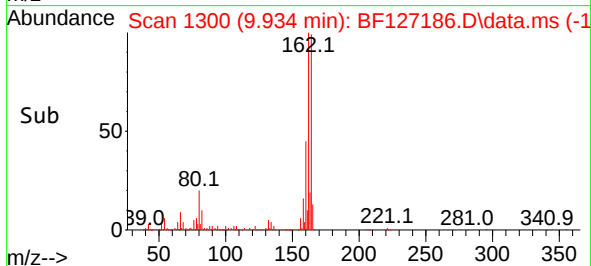
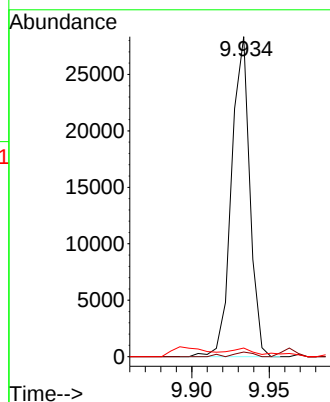
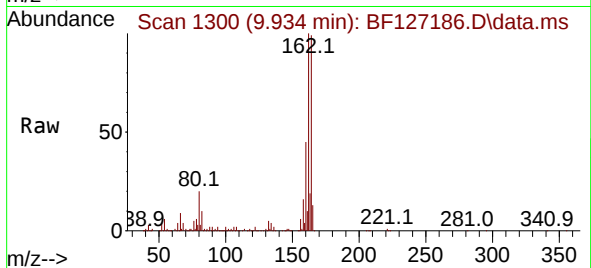
Tgt Ion:165 Resp: 23210

Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

89 2.7 50.5 75.7#



#57

2,4-Dinitrotoluene

Concen: 6.906 ng

RT: 9.934 min Scan# 1300

Delta R.T. -0.194 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

Tgt Ion:165 Resp: 23210

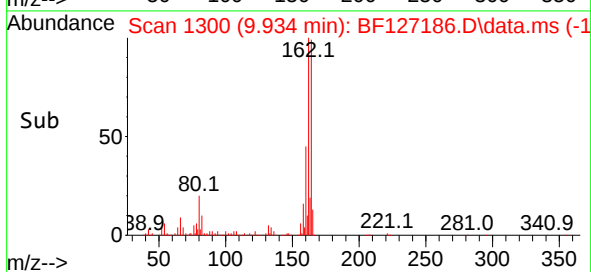
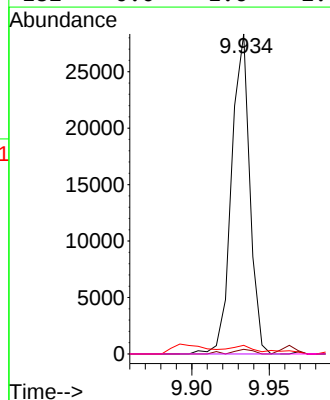
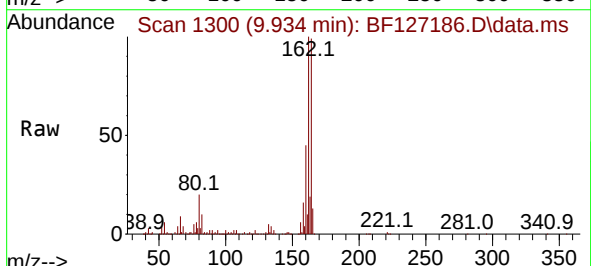
Ion Ratio Lower Upper

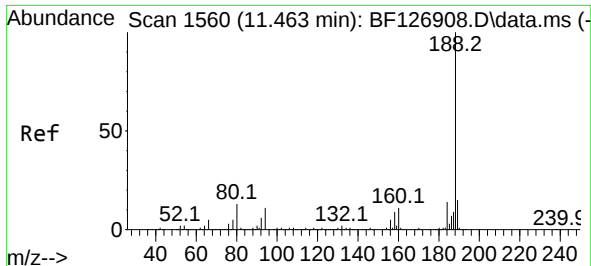
165 100

63 1.4 43.0 64.6#

89 2.7 71.0 106.4#

182 0.0 1.6 2.4#

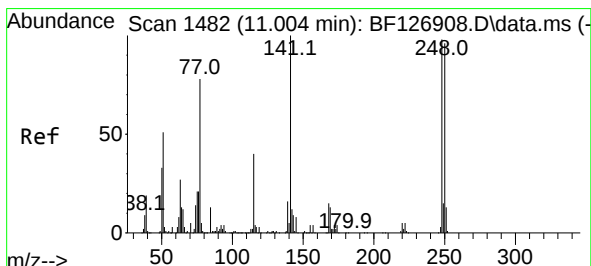
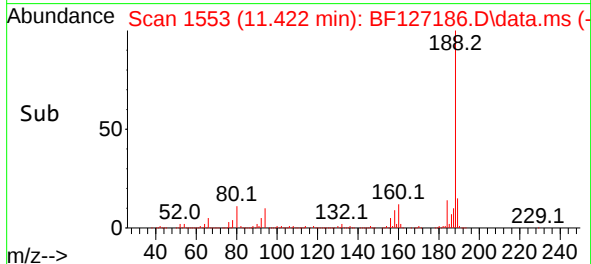
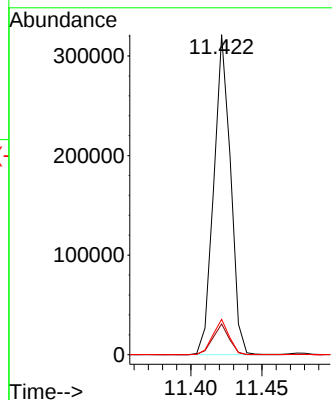
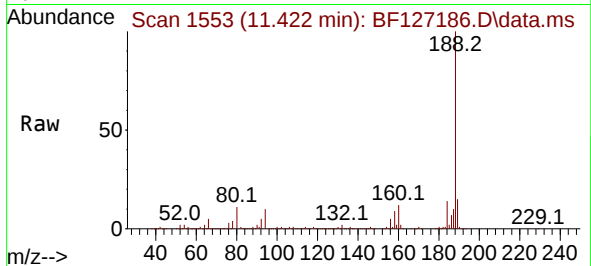




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

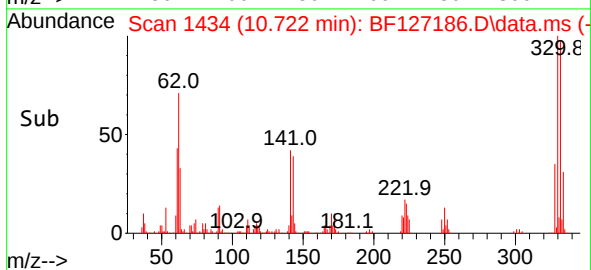
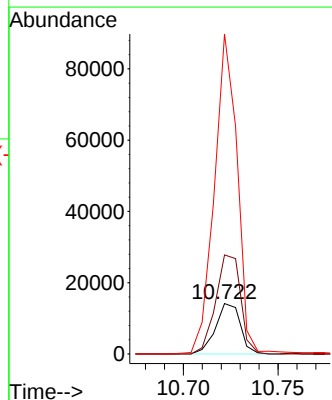
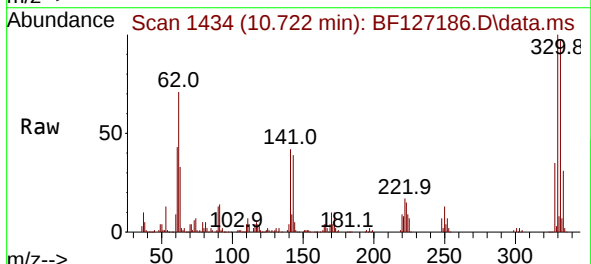
Instrument :
BNA_F
ClientSampleId :
275

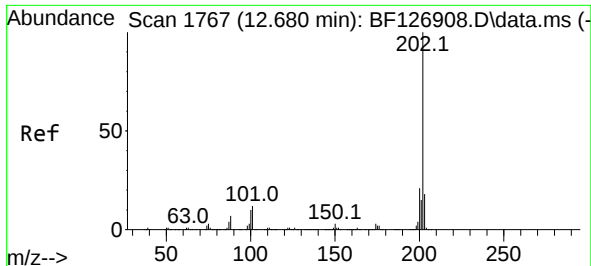
Tgt Ion:188 Resp: 263850
Ion Ratio Lower Upper
188 100
94 9.6 10.1 15.1#
80 11.0 11.8 17.6#



#67
4-Bromophenyl-phenylether
Concen: 4.366 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.247 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion:248 Resp: 12871
Ion Ratio Lower Upper
248 100
250 196.8 76.2 114.4#
141 635.5 66.2 99.4#

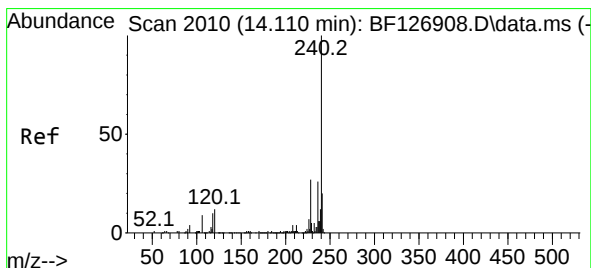
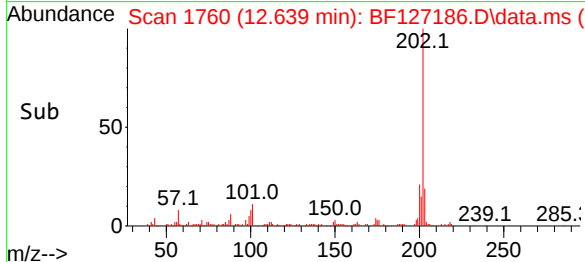
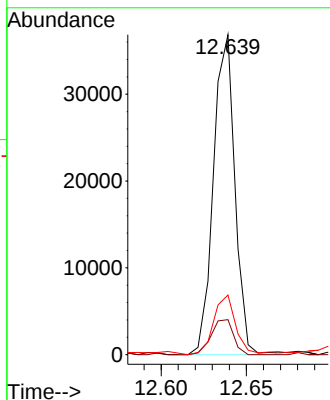
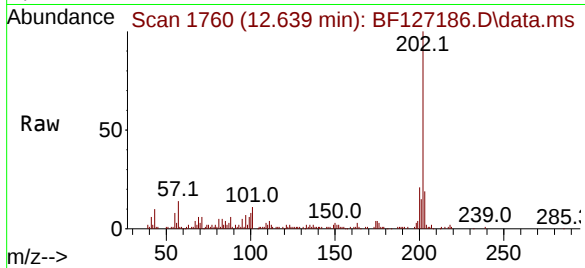




#75
Fluoranthene
Concen: 2.305 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

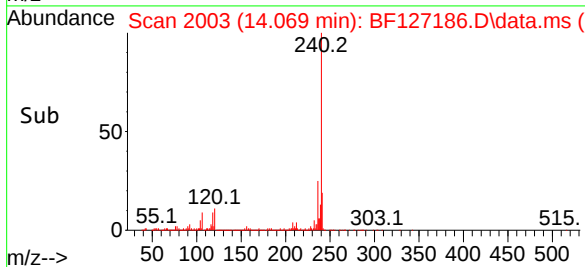
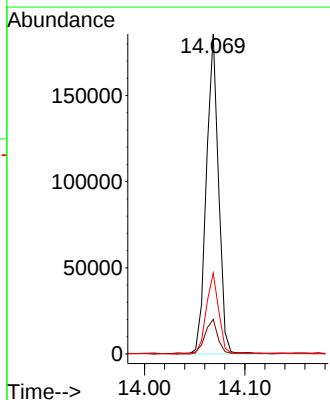
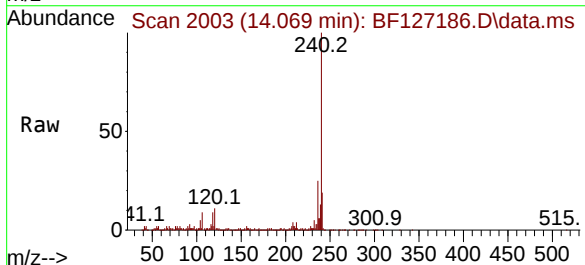
Instrument :
BNA_F
ClientSampleId :
275

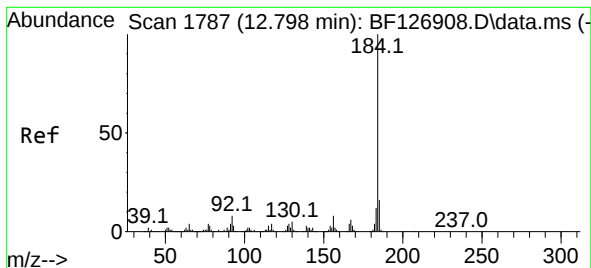
Tgt Ion:202 Resp: 32327
Ion Ratio Lower Upper
202 100
101 10.9 0.0 35.7
203 18.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion:240 Resp: 157570
Ion Ratio Lower Upper
240 100
120 10.8 14.4 21.6#
236 25.2 20.5 30.7





#77

Benzidine

Concen: 2.284 ng

RT: 13.010 min Scan# 1799

Delta R.T. 0.247 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

Instrument :

BNA_F

ClientSampleId :

275

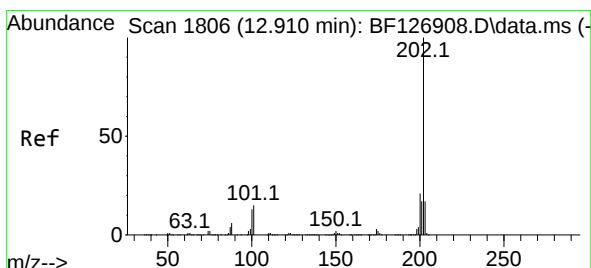
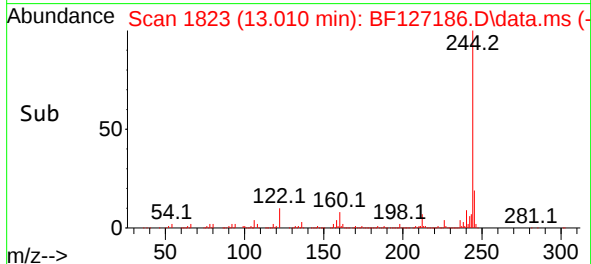
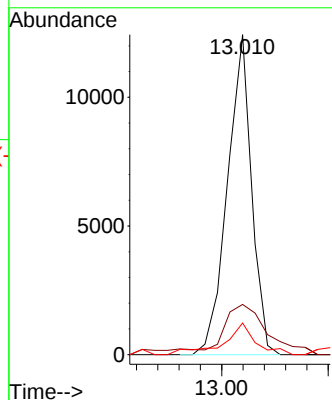
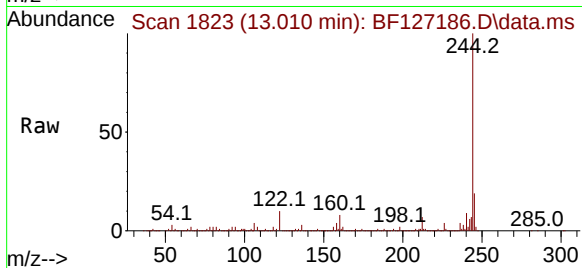
Tgt Ion:184 Resp: 9782

Ion Ratio Lower Upper

184 100

185 15.7 11.8 17.8

183 9.9 8.2 12.2



#78

Pyrene

Concen: 2.527 ng

RT: 12.869 min Scan# 1799

Delta R.T. -0.006 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

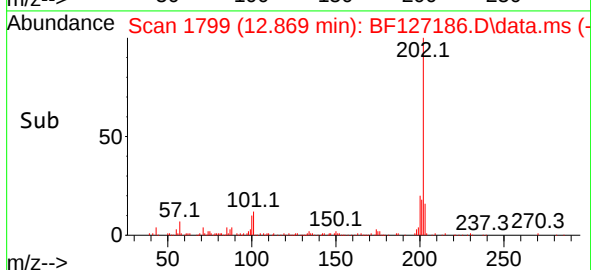
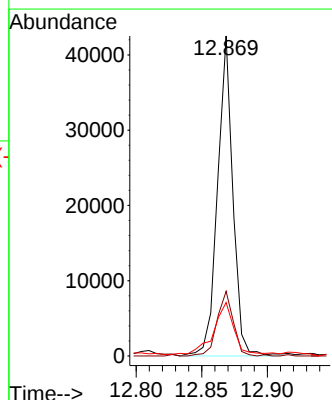
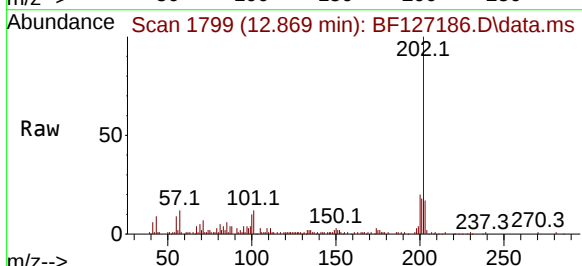
Tgt Ion:202 Resp: 34600

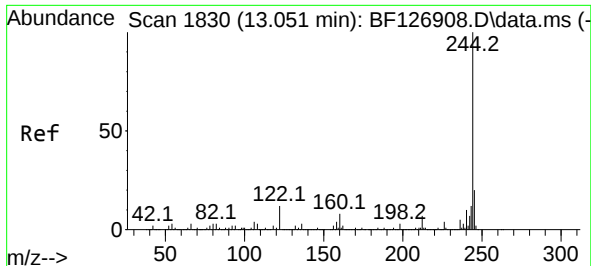
Ion Ratio Lower Upper

202 100

200 20.2 16.6 24.8

203 16.7 13.8 20.8

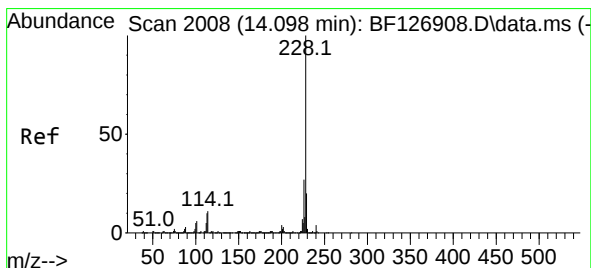
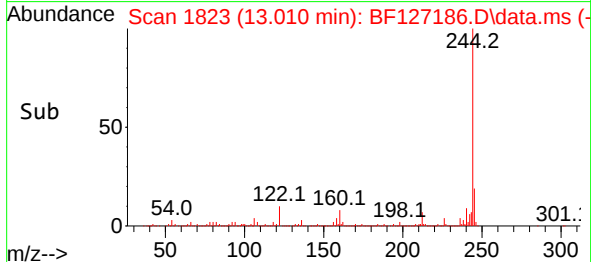
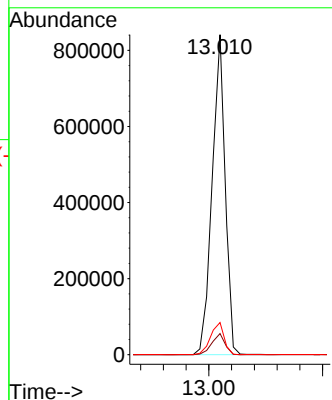
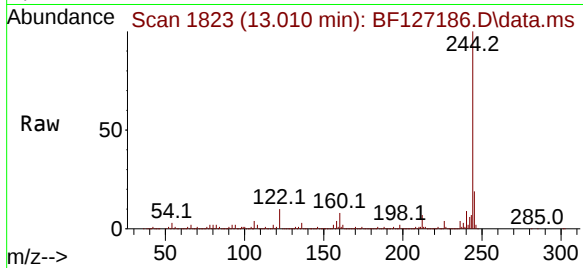




#79
 Terphenyl-d14
 Concen: 62.419 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127186.D
 Acq: 03 Mar 2022 22:20

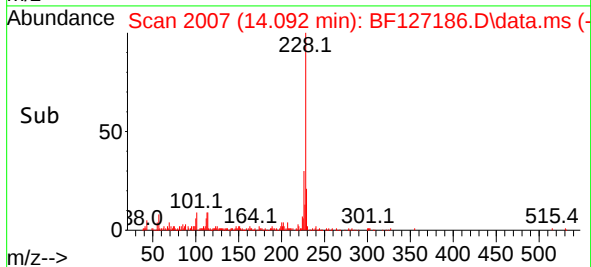
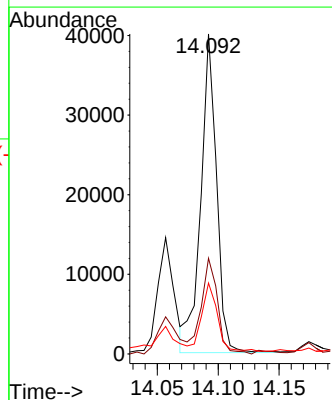
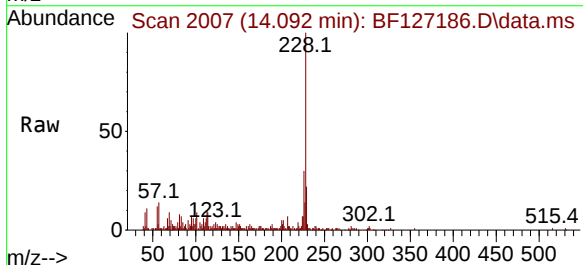
Instrument :
 BNA_F
 ClientSampleId :
 275

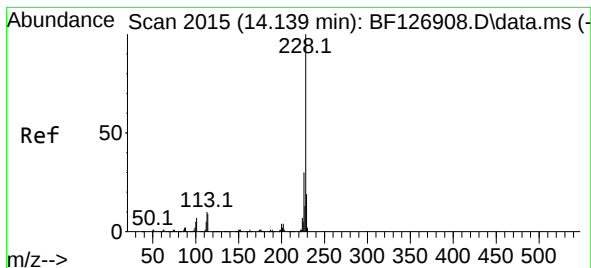
Tgt Ion:244 Resp: 669057
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 10.1 13.3 19.9#



#81
 Benzo(a)anthracene
 Concen: 3.383 ng
 RT: 14.092 min Scan# 2007
 Delta R.T. 0.029 min
 Lab File: BF127186.D
 Acq: 03 Mar 2022 22:20

Tgt Ion:228 Resp: 35942
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.4 32.0
 229 22.1 15.4 23.2





#83

Chrysene

Concen: 3.598 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

Instrument :

BNA_F

ClientSampleId :

275

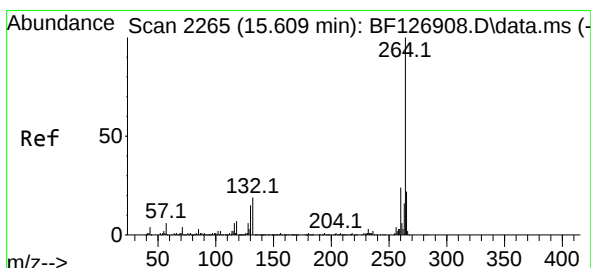
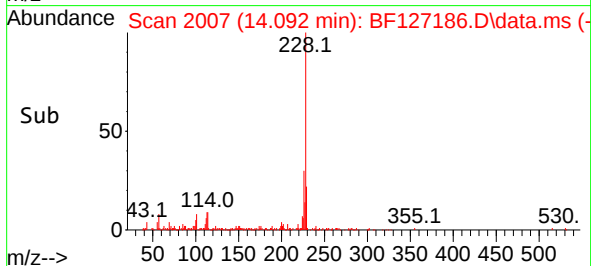
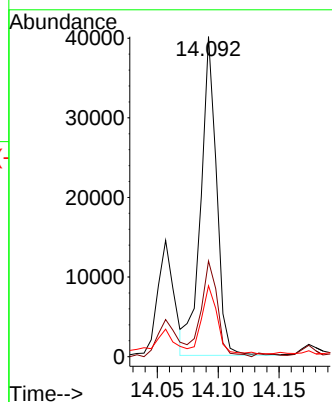
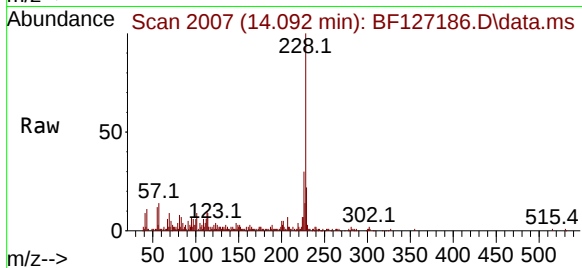
Tgt Ion:228 Resp: 35942

Ion Ratio Lower Upper

228 100

226 29.9 23.7 35.5

229 22.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF127186.D

Acq: 03 Mar 2022 22:20

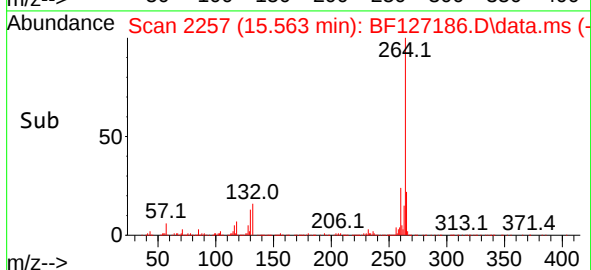
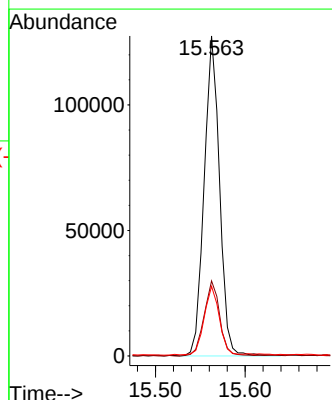
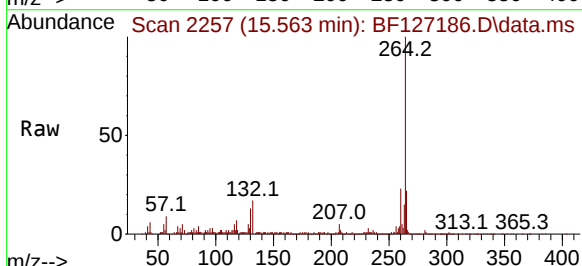
Tgt Ion:264 Resp: 151960

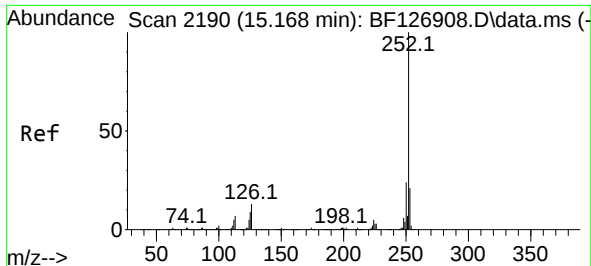
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.8 17.4 26.2

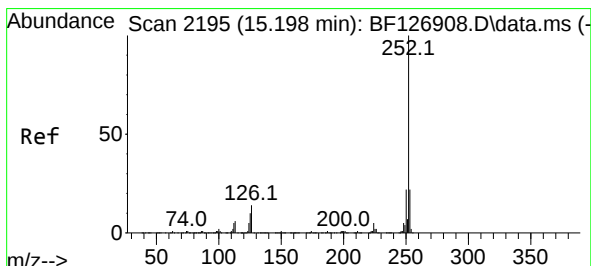
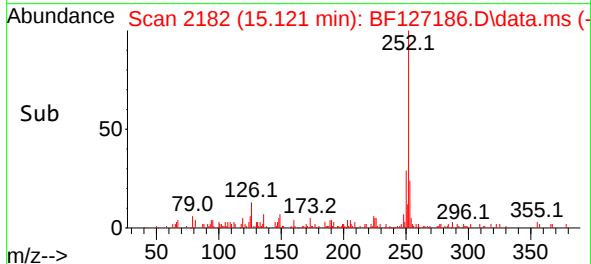
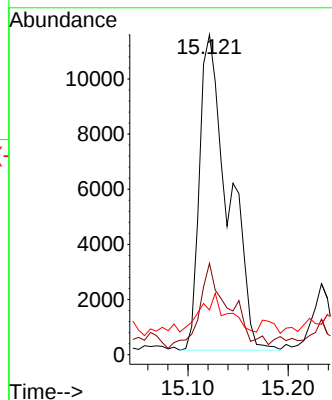
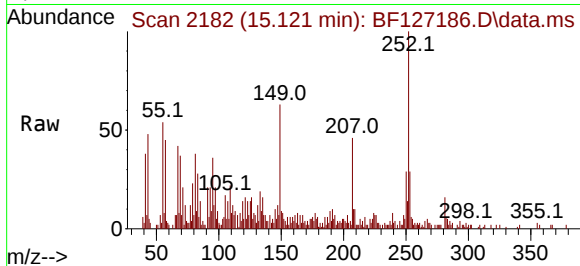




#88
Benzo(b)fluoranthene
Concen: 2.250 ng
RT: 15.121 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Instrument :
BNA_F
ClientSampleId :
275

Tgt Ion:252 Resp: 22967
Ion Ratio Lower Upper
252 100
253 28.5 17.8 26.8#
125 14.0 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 2.333 ng
RT: 15.121 min Scan# 2182
Delta R.T. -0.035 min
Lab File: BF127186.D
Acq: 03 Mar 2022 22:20

Tgt Ion:252 Resp: 22967
Ion Ratio Lower Upper
252 100
253 28.5 17.5 26.3#
125 14.0 11.8 17.6

