

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127232.D
 Acq On : 07 Mar 2022 20:51
 Operator : CG\JU
 Sample : N1730-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-16-SAMPLE-LOCATION-8

Quant Time: Mar 08 00:03:57 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)

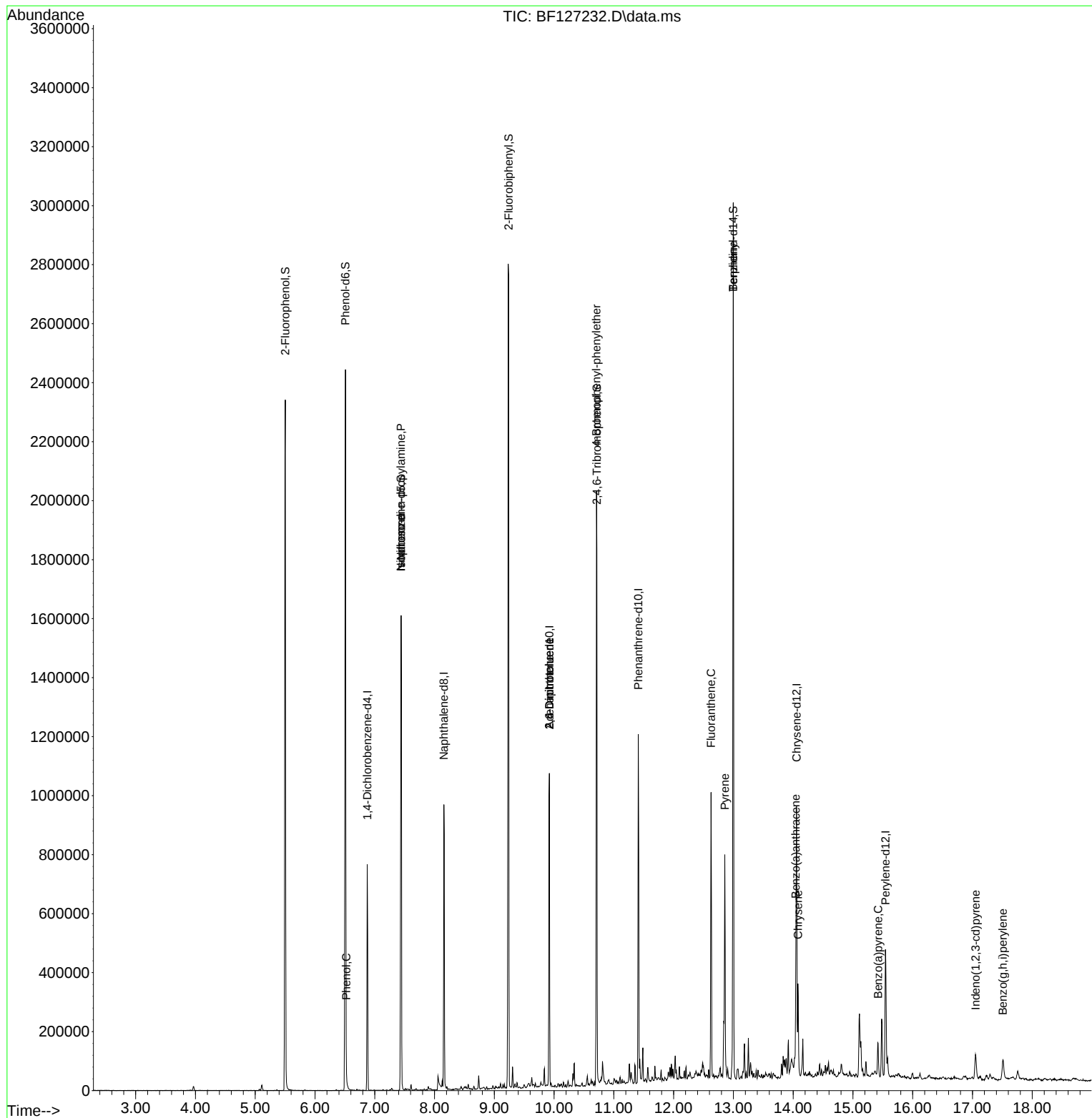
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	99002	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	408241	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	207678	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	375273	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	238541	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	182991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	606977	94.758	ng	0.00
7) Phenol-d6	6.510	99	794132	91.878	ng	0.00
23) Nitrobenzene-d5	7.439	82	548857	60.685	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	246668	103.160	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	861864	61.094	ng	0.00
79) Terphenyl-d14	12.998	244	975817	60.136	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.522	94	23417	2.681	ng	87
19) n-Nitroso-di-n-propyla...	7.439	70	73674	13.228	ng	# 80
25) Isophorone	7.439	82	548849	36.673	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	27254	9.024	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	27254	6.674	ng	# 15
67) 4-Bromophenyl-phenylether	10.710	248	14424	3.440	ng	# 1
75) Fluoranthene	12.627	202	321032	16.097	ng	96
77) Benzidine	12.998	184	14342	2.212	ng	# 96
78) Pyrene	12.857	202	284673	13.736	ng	99
81) Benzo(a)anthracene	14.045	228	136866	8.511	ng	95
83) Chrysene	14.080	228	111401	7.367	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	52403	4.367	ng	# 85
90) Benzo(a)pyrene	15.421	252	50845	5.296	ng	97
92) Benzo(g,h,i)perylene	17.509	276	55003	5.622	ng	# 85

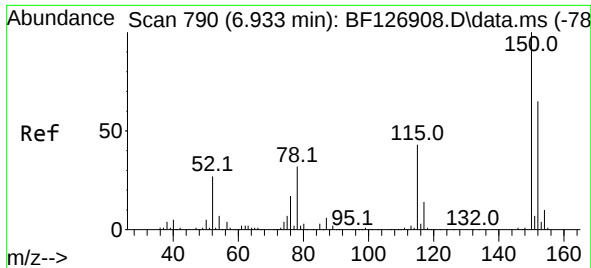
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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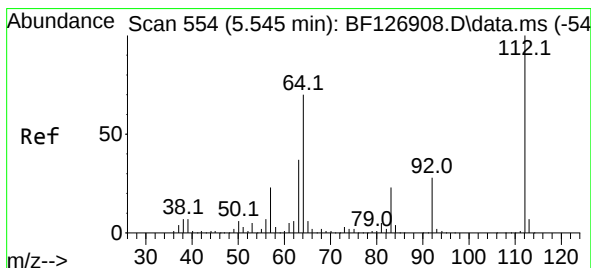
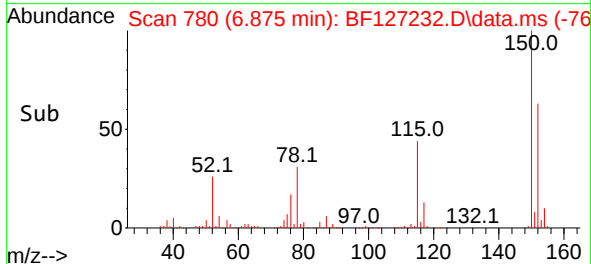
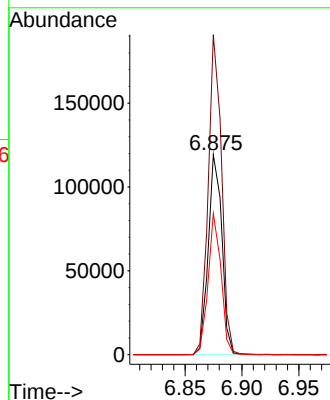
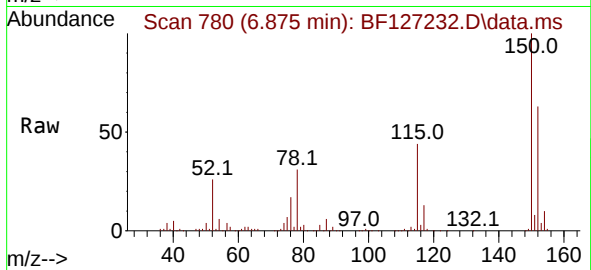




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

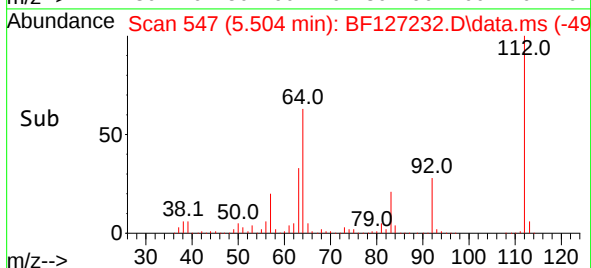
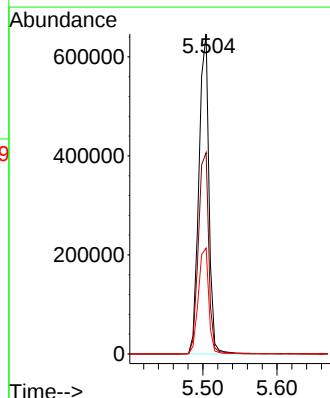
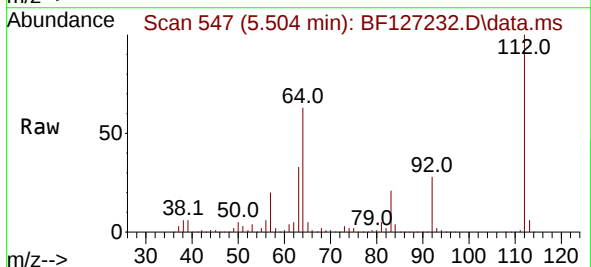
Instrument :
BNA_F
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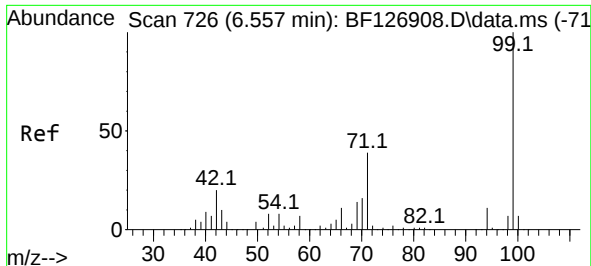
Tgt Ion:152 Resp: 99002
Ion Ratio Lower Upper
152 100
150 160.0 128.1 192.1
115 70.5 56.7 85.1



#5
2-Fluorophenol
Concen: 94.758 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion:112 Resp: 606977
Ion Ratio Lower Upper
112 100
64 62.9 49.5 74.3
63 33.1 23.9 35.9

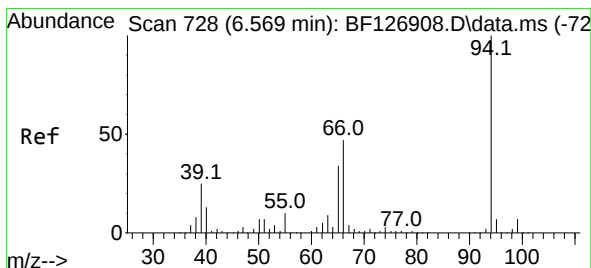
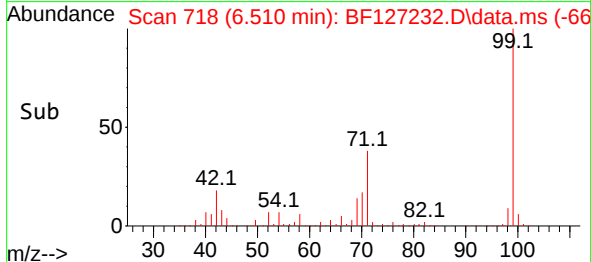
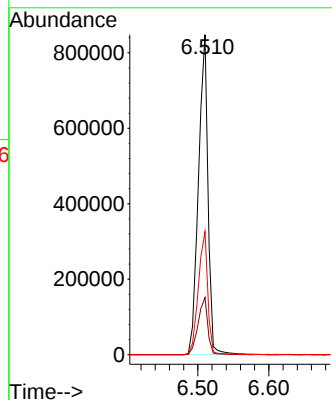
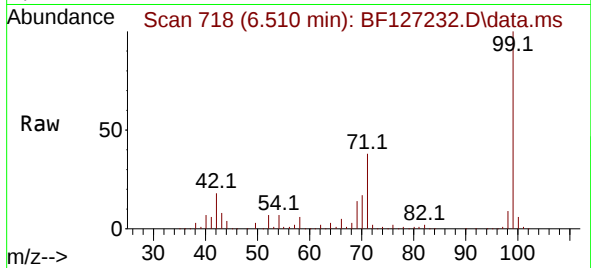




#7
Phenol-d6
Concen: 91.878 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

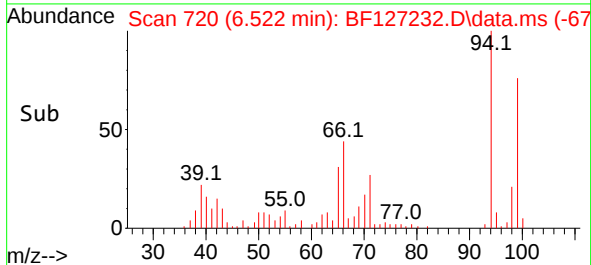
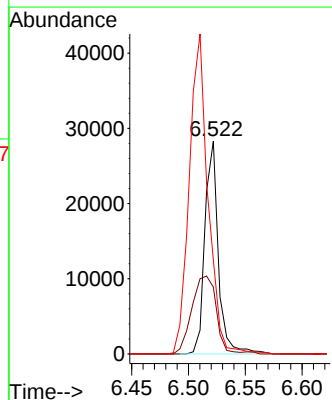
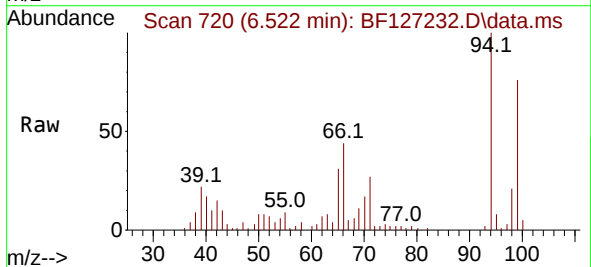
Instrument :
BNA_F
ClientSampleId :
15-16-SAMPLE-LOCATION-8

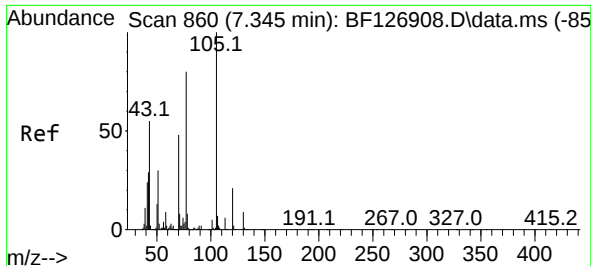
Tgt Ion: 99 Resp: 794132
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 38.5 24.3 36.5#



#10
Phenol
Concen: 2.681 ng
RT: 6.522 min Scan# 720
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion: 94 Resp: 23417
Ion Ratio Lower Upper
94 100
65 31.4 7.2 47.2
66 44.3 14.5 54.5

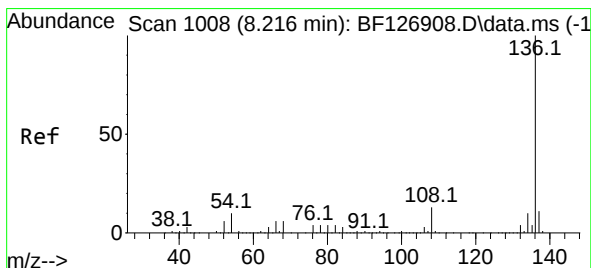
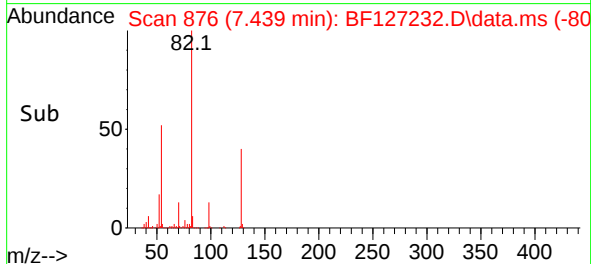
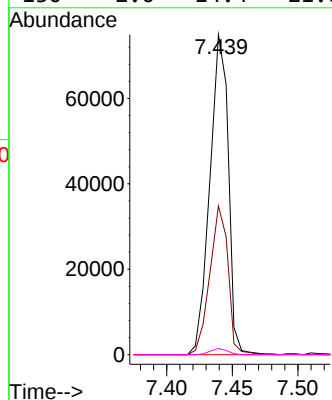
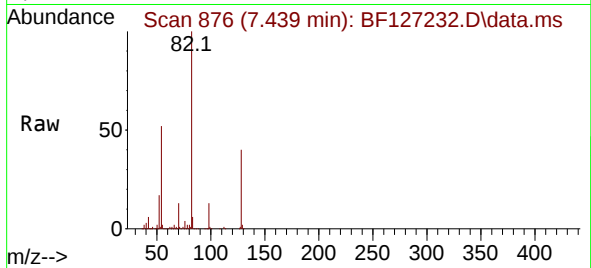




#19
n-Nitroso-di-n-propylamine
Concen: 13.228 ng
RT: 7.439 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

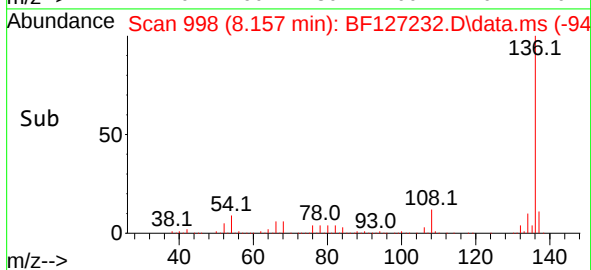
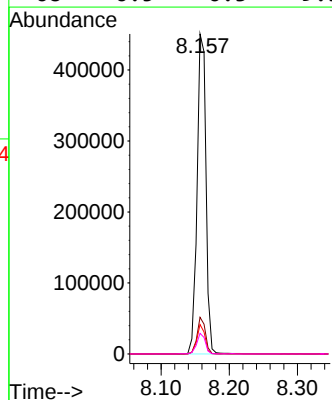
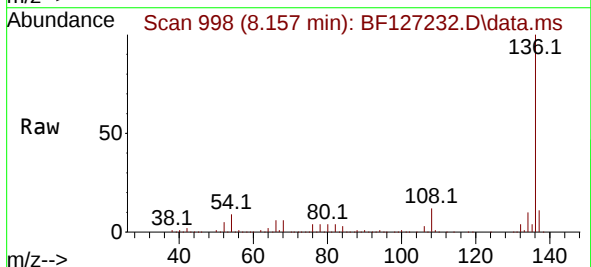
Instrument :
BNA_F
ClientSampleId :
15-16-SAMPLE-LOCATION-8

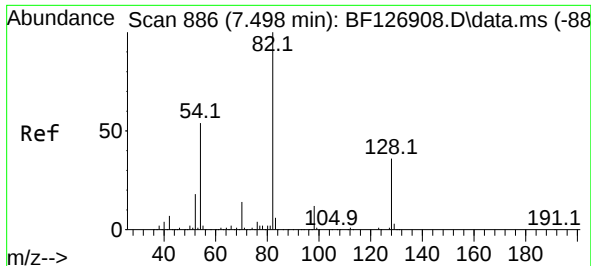
Tgt Ion: 70 Resp: 73674
Ion Ratio Lower Upper
70 100
42 46.5 45.8 68.8
101 0.0 6.9 10.3#
130 2.0 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion: 136 Resp: 408241
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.2 7.8 11.6
68 6.5 6.3 9.5





#23

Nitrobenzene-d5

Concen: 60.685 ng

RT: 7.439 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

Instrument :

BNA_F

ClientSampleId :

15-16-SAMPLE-LOCATION-8

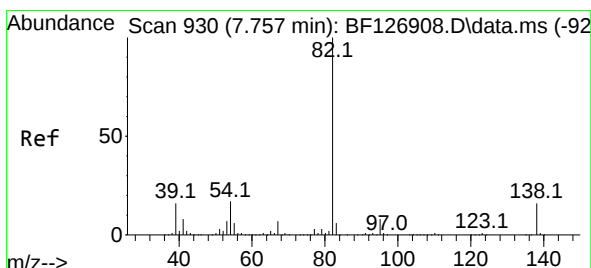
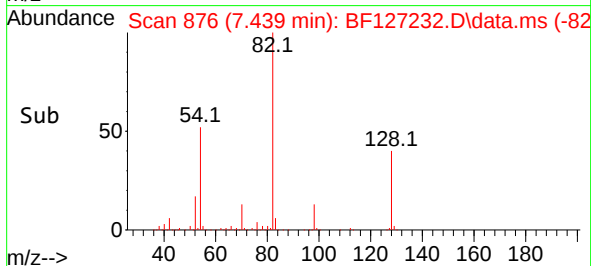
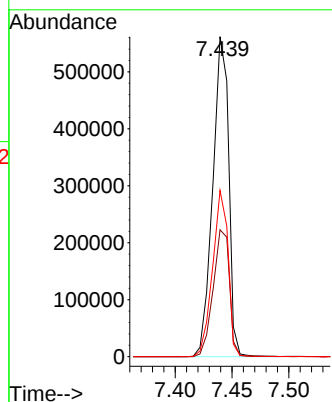
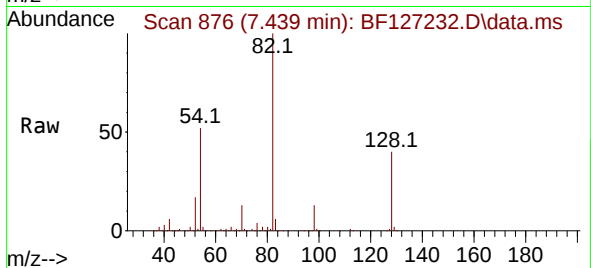
Tgt Ion: 82 Resp: 548857

Ion Ratio Lower Upper

82 100

128 39.7 32.7 49.1

54 51.9 41.7 62.5



#25

Isophorone

Concen: 36.673 ng

RT: 7.439 min Scan# 876

Delta R.T. -0.265 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

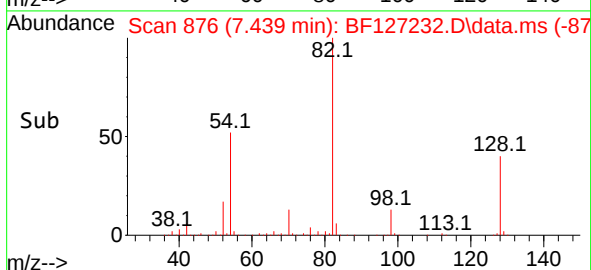
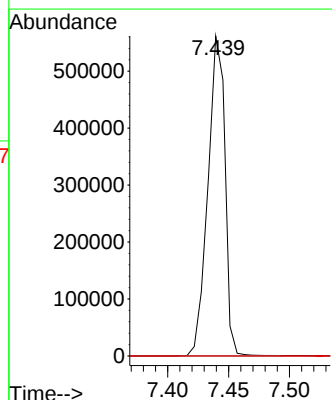
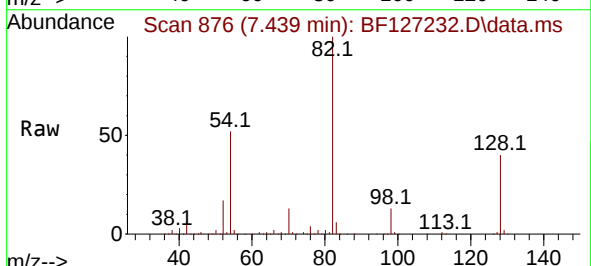
Tgt Ion: 82 Resp: 548849

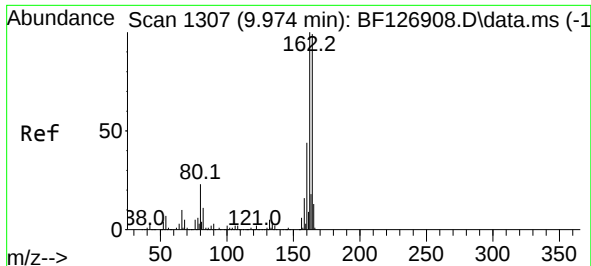
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.000 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

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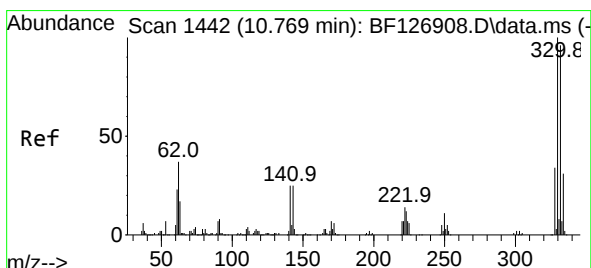
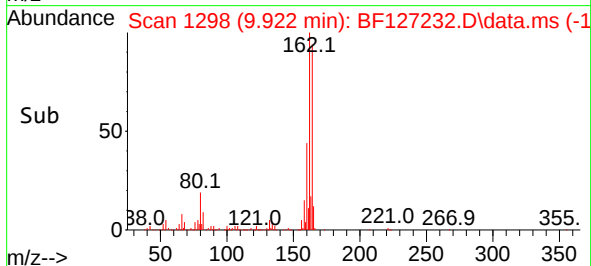
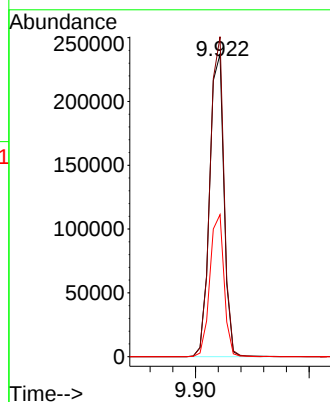
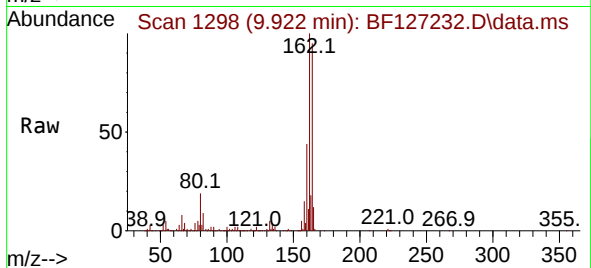
Tgt Ion:164 Resp: 207678

Ion Ratio Lower Upper

164 100

162 105.8 81.4 122.0

160 46.9 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 103.160 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.000 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

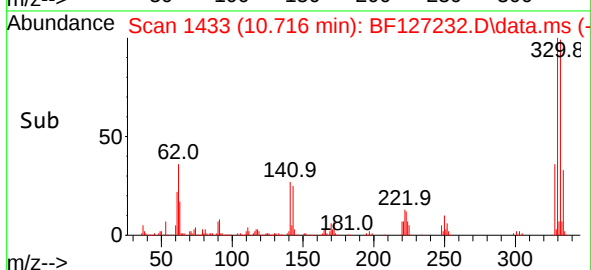
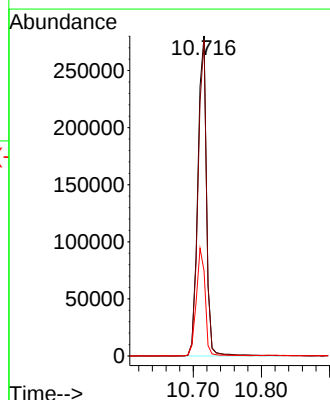
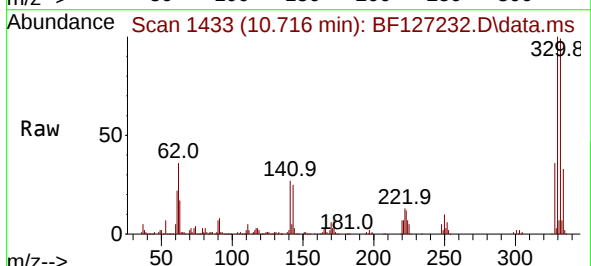
Tgt Ion:330 Resp: 246668

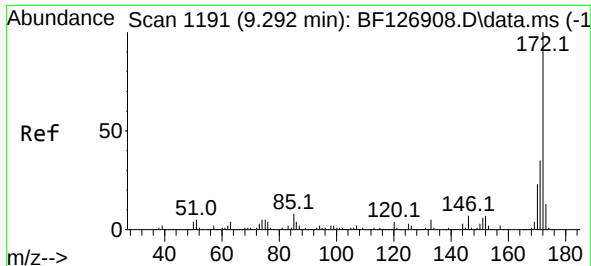
Ion Ratio Lower Upper

330 100

332 96.4 76.0 114.0

141 34.6 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 61.094 ng

RT: 9.239 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

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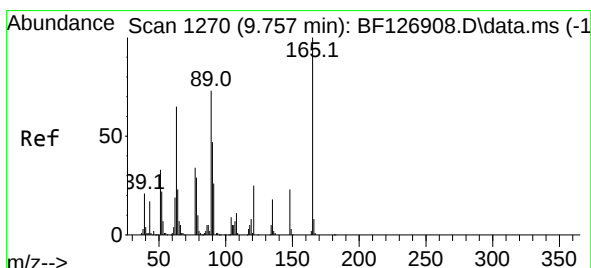
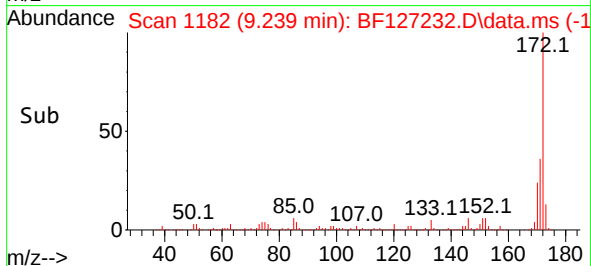
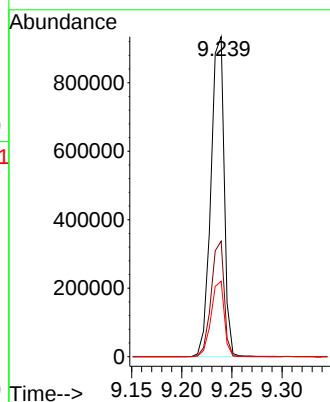
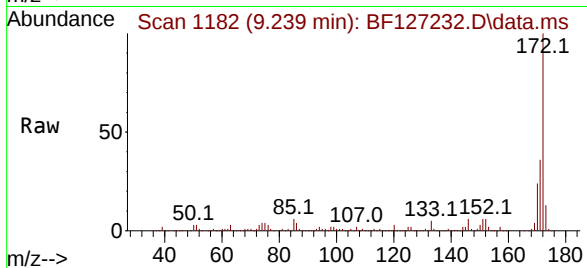
Tgt Ion:172 Resp: 861864

Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.6 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.024 ng

RT: 9.922 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

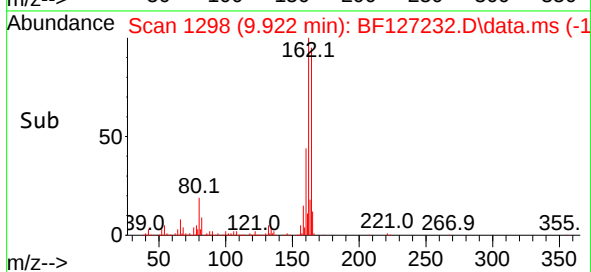
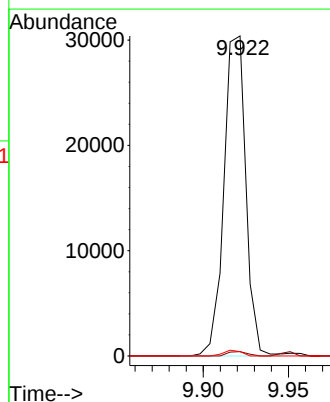
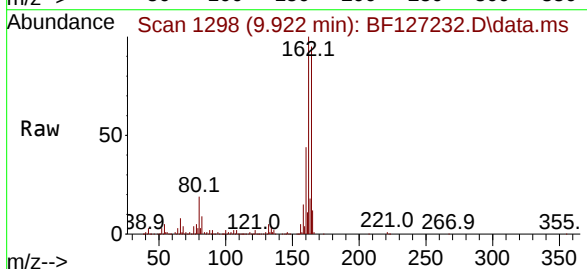
Tgt Ion:165 Resp: 27254

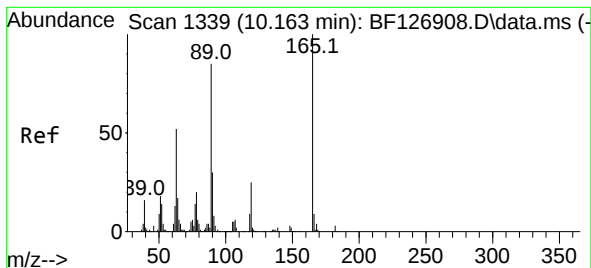
Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

89 1.4 50.5 75.7#

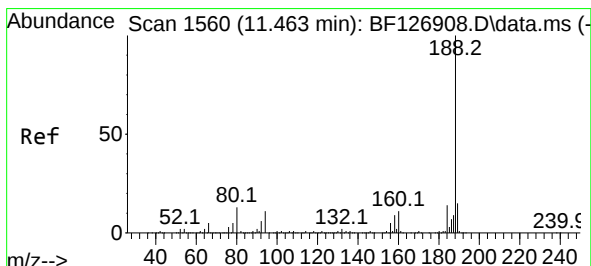
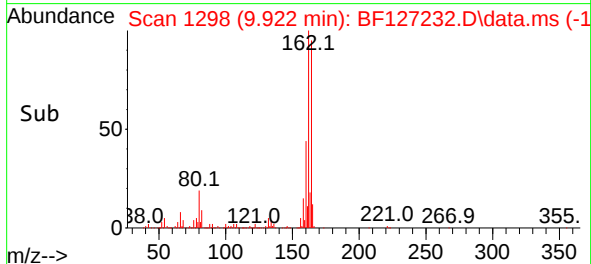
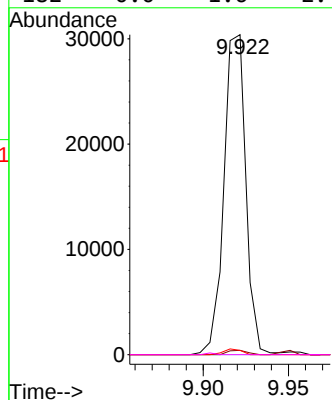
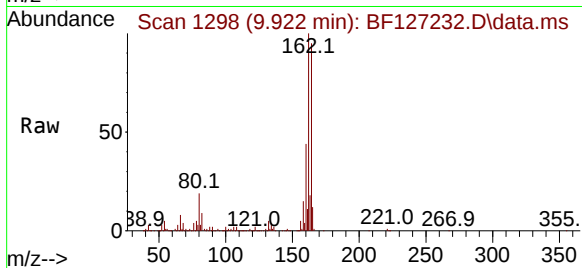




#57
2,4-Dinitrotoluene
Concen: 6.674 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

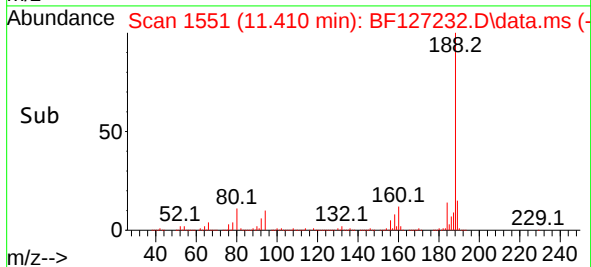
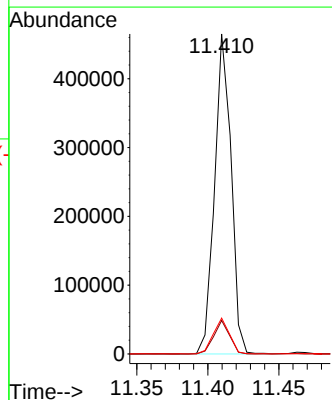
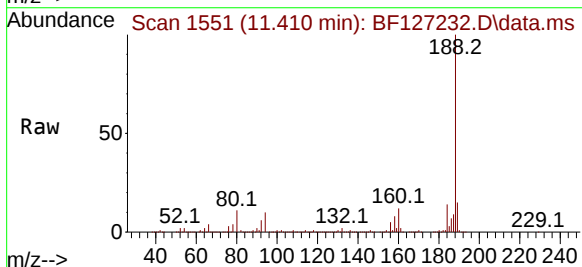
Instrument :
BNA_F
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15-16-SAMPLE-LOCATION-8

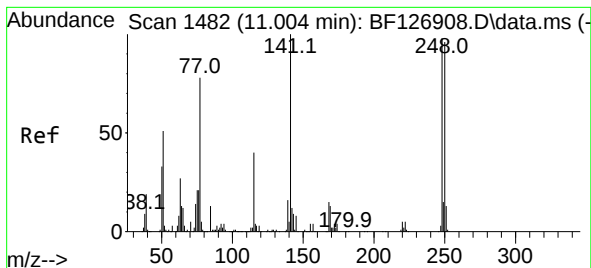
Tgt Ion:165 Resp: 27254
Ion Ratio Lower Upper
165 100
63 1.4 43.0 64.6#
89 1.4 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion:188 Resp: 375273
Ion Ratio Lower Upper
188 100
94 10.4 10.1 15.1
80 11.2 11.8 17.6#

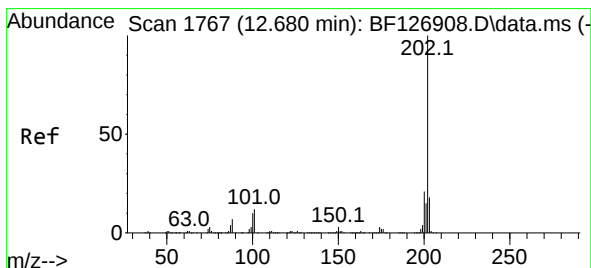
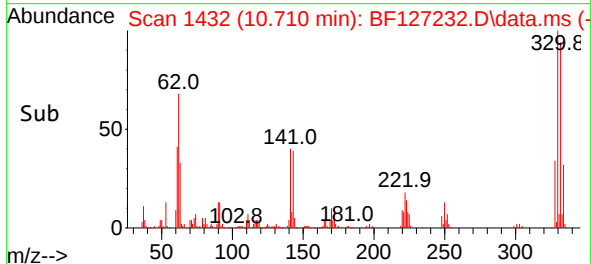
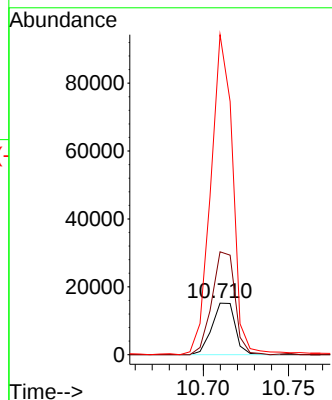
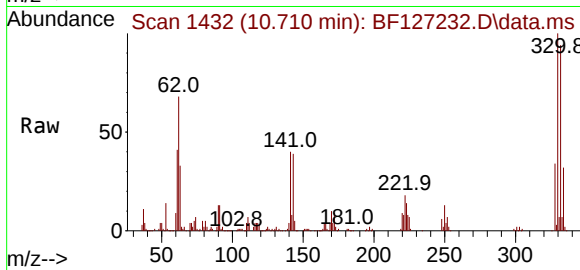




#67
4-Bromophenyl-phenylether
Concen: 3.440 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

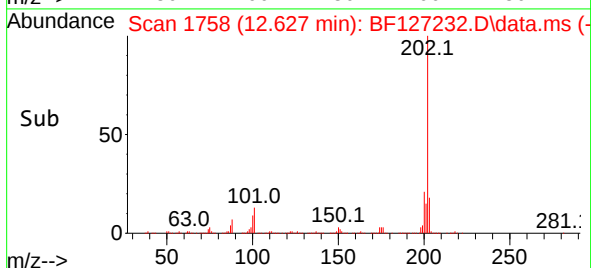
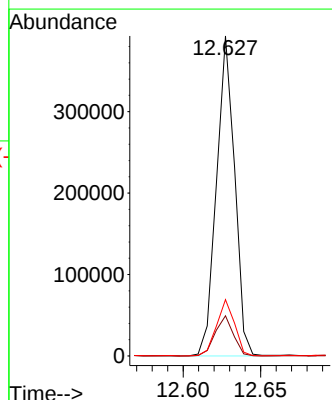
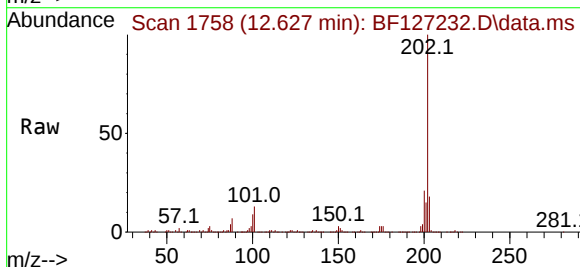
Instrument :
BNA_F
ClientSampleId :
15-16-SAMPLE-LOCATION-8

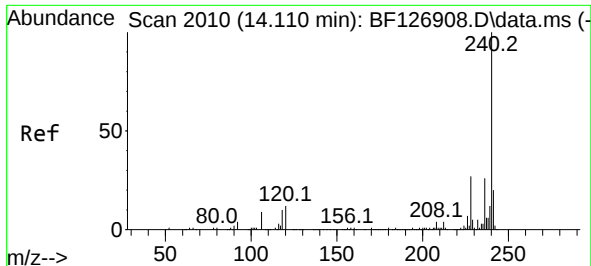
Tgt Ion:248 Resp: 14424
Ion Ratio Lower Upper
248 100
250 199.5 76.2 114.4#
141 620.2 66.2 99.4#



#75
Fluoranthene
Concen: 16.097 ng
RT: 12.627 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion:202 Resp: 321032
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.7
203 17.6 0.0 37.1

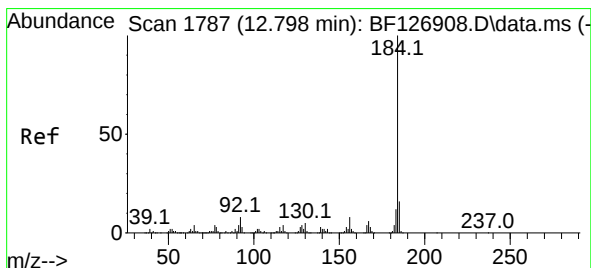
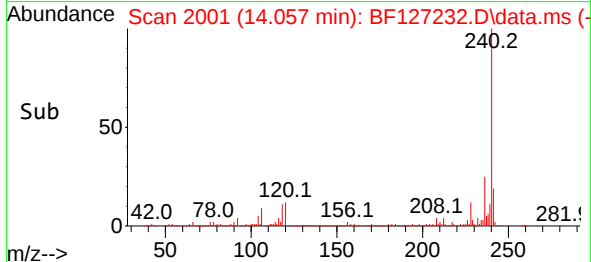
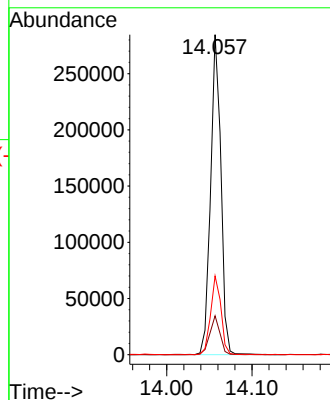
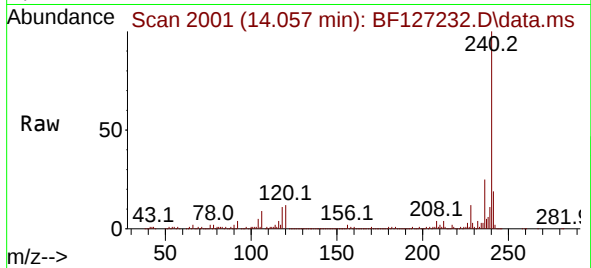




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

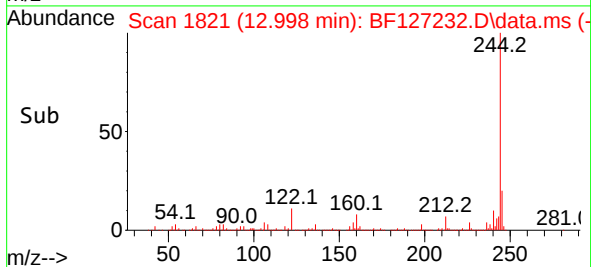
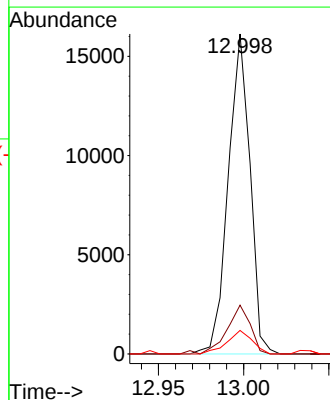
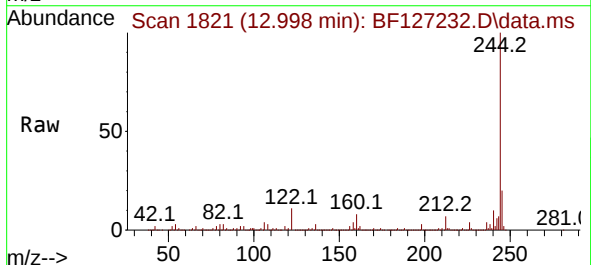
Instrument :
BNA_F
ClientSampleId :
15-16-SAMPLE-LOCATION-8

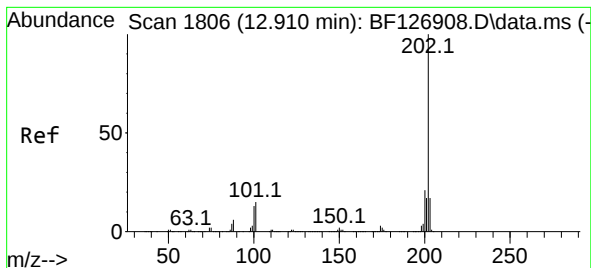
Tgt Ion:240 Resp: 238541
Ion Ratio Lower Upper
240 100
120 12.2 14.4 21.6#
236 24.6 20.5 30.7



#77
Benzidine
Concen: 2.212 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.247 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion:184 Resp: 14342
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 7.3 8.2 12.2#





#78

Pyrene

Concen: 13.736 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

Instrument :

BNA_F

ClientSampleId :

15-16-SAMPLE-LOCATION-8

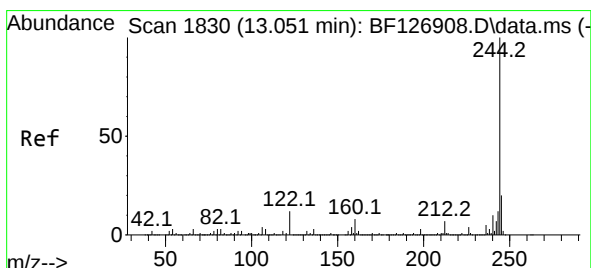
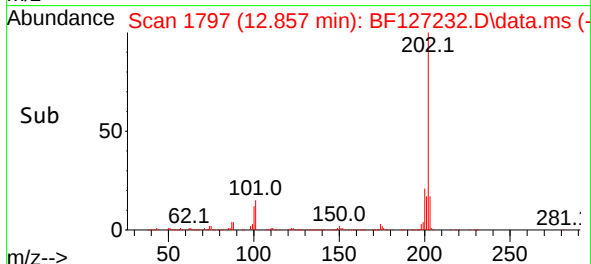
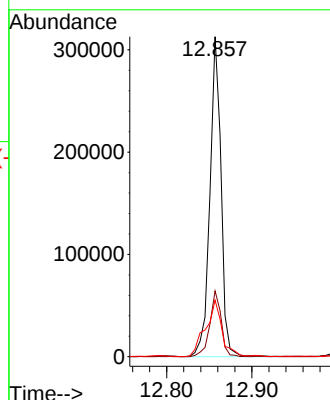
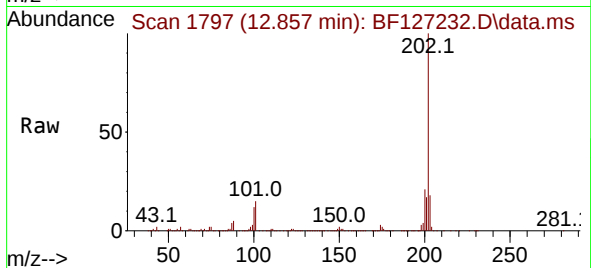
Tgt Ion:202 Resp: 284673

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

203 17.6 13.8 20.8



#79

Terphenyl-d14

Concen: 60.136 ng

RT: 12.998 min Scan# 1821

Delta R.T. -0.000 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

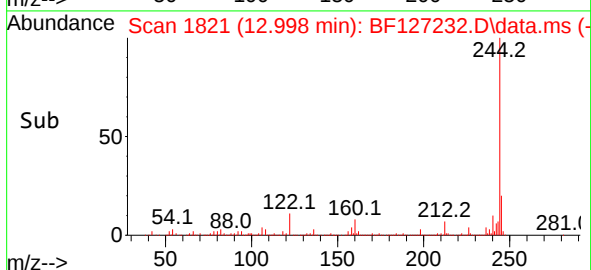
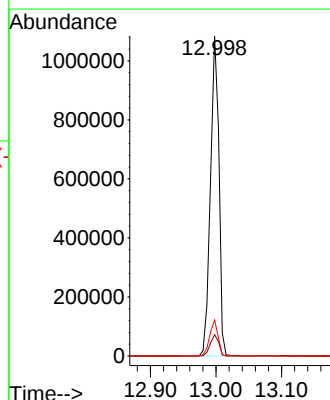
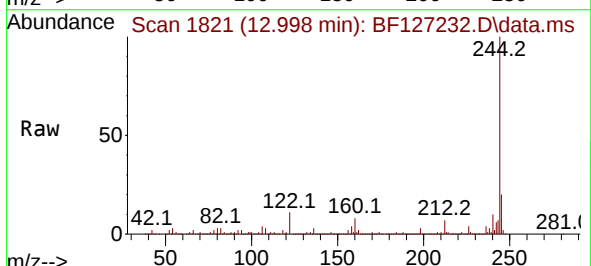
Tgt Ion:244 Resp: 975817

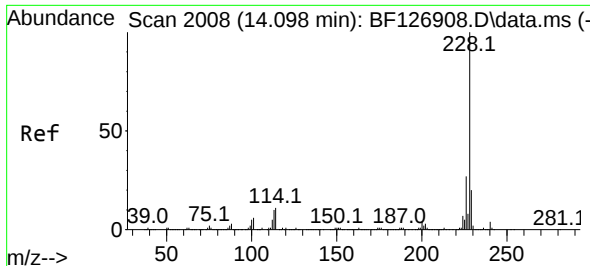
Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

122 11.2 13.3 19.9#

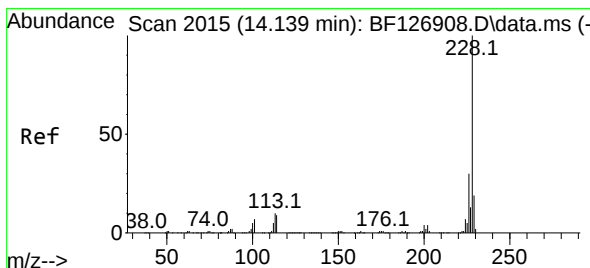
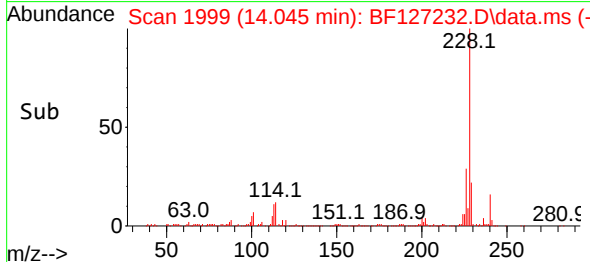
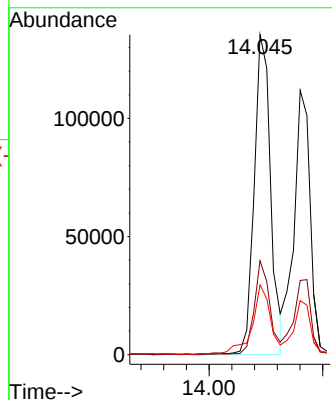
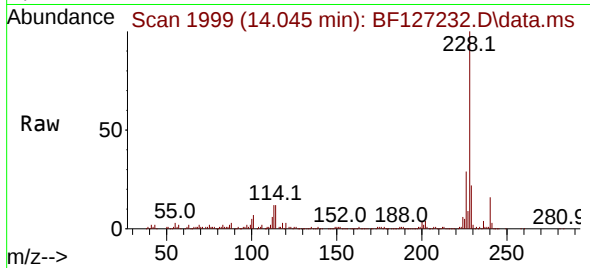




#81
Benzo(a)anthracene
Concen: 8.511 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

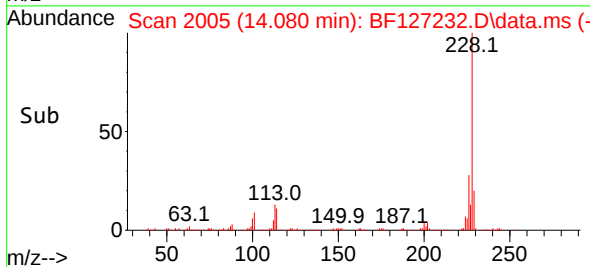
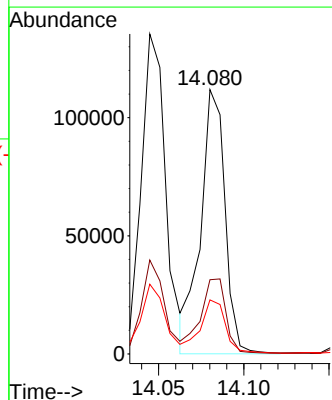
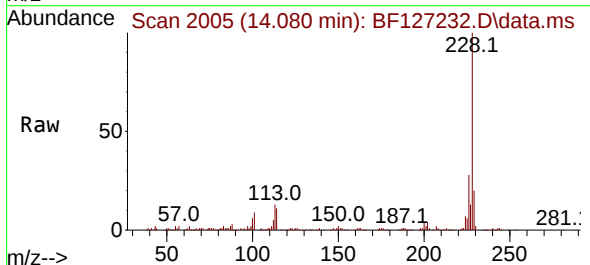
Instrument : BNA_F
ClientSampleId : 15-16-SAMPLE-LOCATION-8

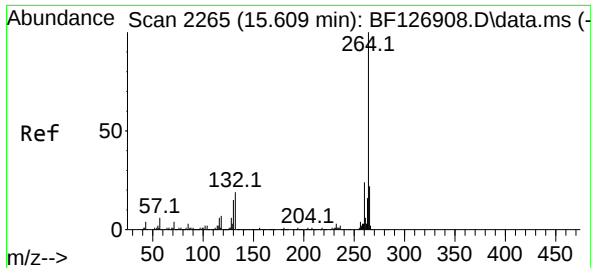
Tgt Ion:228 Resp: 136866
Ion Ratio Lower Upper
228 100
226 29.4 21.4 32.0
229 21.8 15.4 23.2



#83
Chrysene
Concen: 7.367 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127232.D
Acq: 07 Mar 2022 20:51

Tgt Ion:228 Resp: 111401
Ion Ratio Lower Upper
228 100
226 28.1 23.7 35.5
229 20.4 15.5 23.3

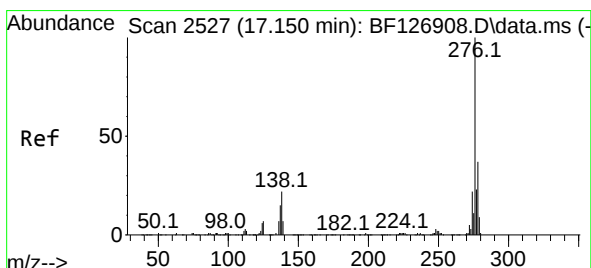
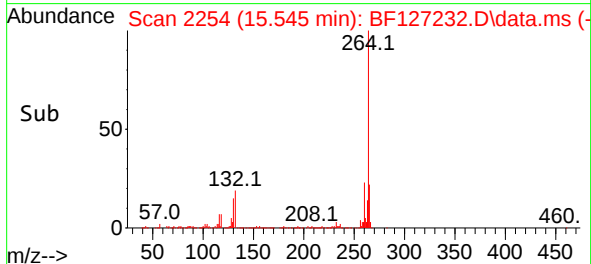
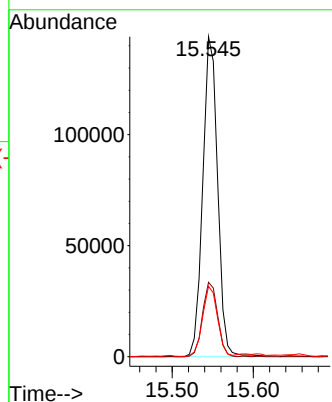
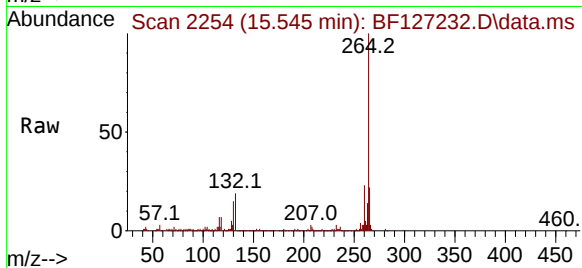




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF127232.D
 Acq: 07 Mar 2022 20:51

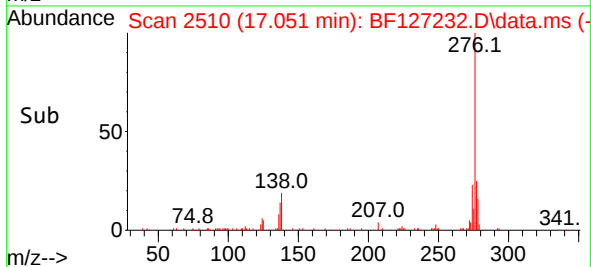
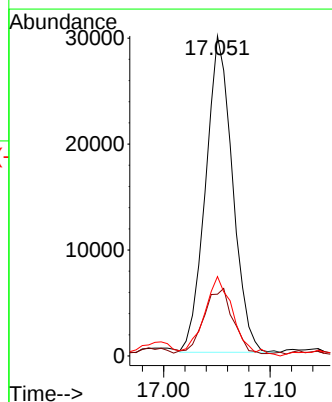
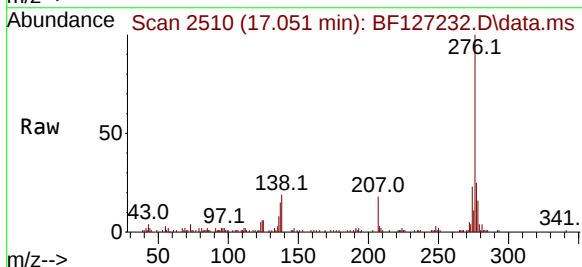
Instrument :
 BNA_F
 ClientSampleId :
 15-16-SAMPLE-LOCATION-8

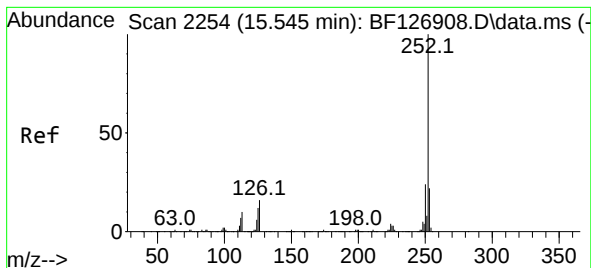
Tgt Ion:264 Resp: 182991
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 22.0 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.367 ng
 RT: 17.051 min Scan# 2510
 Delta R.T. -0.006 min
 Lab File: BF127232.D
 Acq: 07 Mar 2022 20:51

Tgt Ion:276 Resp: 52403
 Ion Ratio Lower Upper
 276 100
 138 23.3 29.2 43.8#
 277 27.2 19.8 29.8





#90

Benzo(a)pyrene

Concen: 5.296 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

Instrument :

BNA_F

ClientSampleId :

15-16-SAMPLE-LOCATION-8

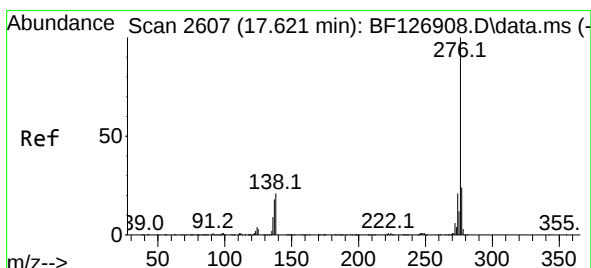
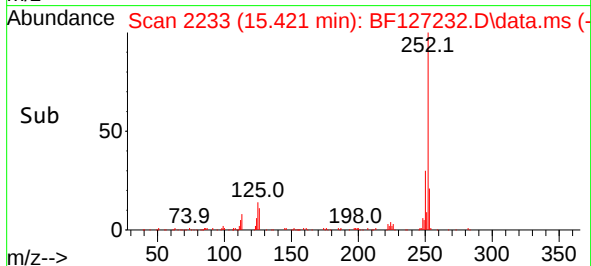
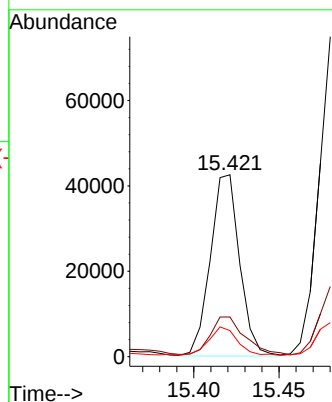
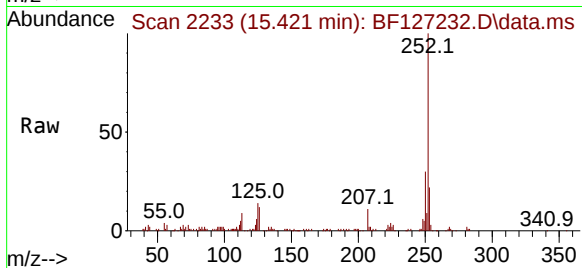
Tgt Ion:252 Resp: 50845

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

125 14.4 13.0 19.6



#92

Benzo(g,h,i)perylene

Concen: 5.622 ng

RT: 17.509 min Scan# 2588

Delta R.T. -0.012 min

Lab File: BF127232.D

Acq: 07 Mar 2022 20:51

Tgt Ion:276 Resp: 55003

Ion Ratio Lower Upper

276 100

277 23.5 18.5 27.7

138 18.2 25.9 38.9#

