

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127269.D
 Acq On : 08 Mar 2022 20:26
 Operator : CG\JU
 Sample : N1833-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-03072022

Quant Time: Mar 09 01:20:10 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)

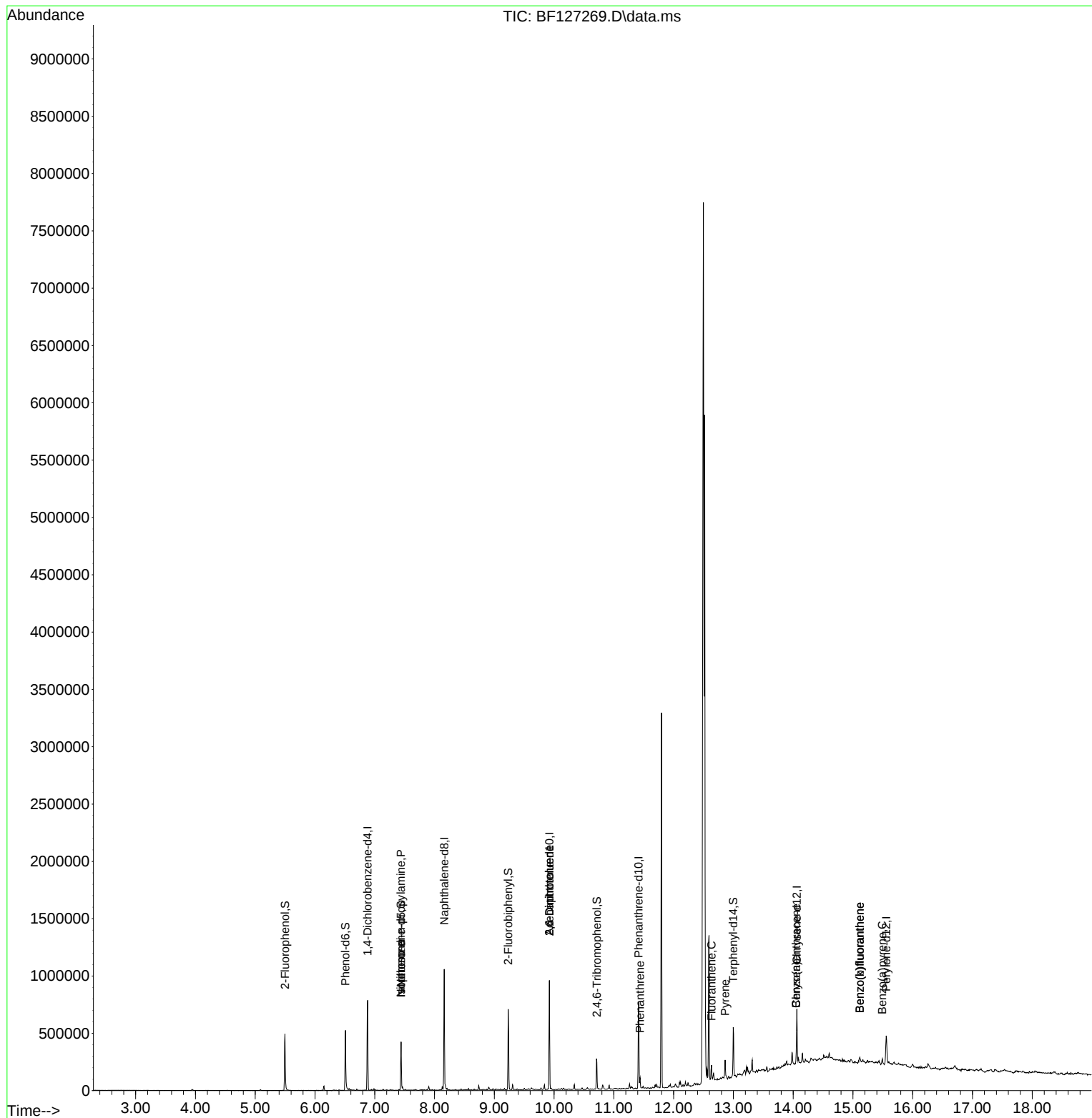
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	106308	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	389875	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	163695	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	246800	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	136942	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	105861	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	130654	18.995	ng	0.00
7) Phenol-d6	6.510	99	173770	18.723	ng	0.00
23) Nitrobenzene-d5	7.439	82	114990	13.313	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	30822	16.354	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	186627	16.784	ng	0.00
79) Terphenyl-d14	12.998	244	140596	15.093	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	16365	2.736	ng	# 77
25) Isophorone	7.439	82	114990	8.045	ng	# 69
51) 2,6-Dinitrotoluene	9.922	165	21143	8.882	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	21143	6.569	ng	# 15
71) Phenanthrene	11.439	178	29636	2.145	ng	99
75) Fluoranthene	12.633	202	41847	3.190	ng	92
78) Pyrene	12.863	202	39777	3.343	ng	98
81) Benzo(a)anthracene	14.051	228	20246	2.193	ng	94
83) Chrysene	14.051	228	20246	2.332	ng	97
88) Benzo(b)fluoranthene	15.115	252	25367	3.568	ng	# 89
89) Benzo(k)fluoranthene	15.115	252	25367	3.699	ng	# 88
90) Benzo(a)pyrene	15.492	252	13697	2.466	ng	# 85

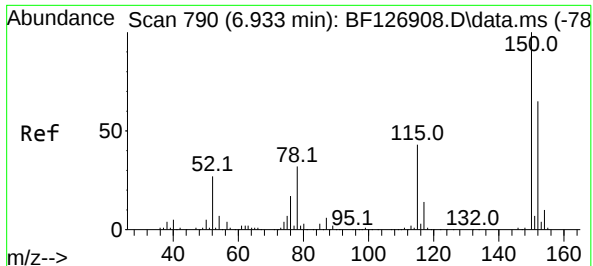
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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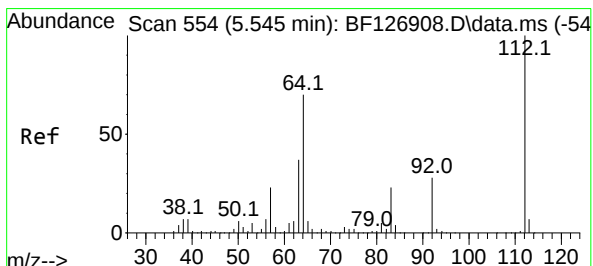
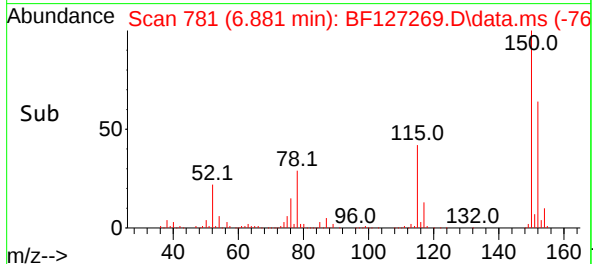
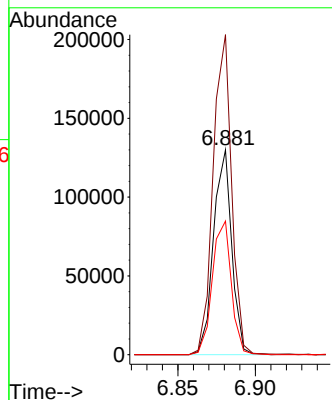
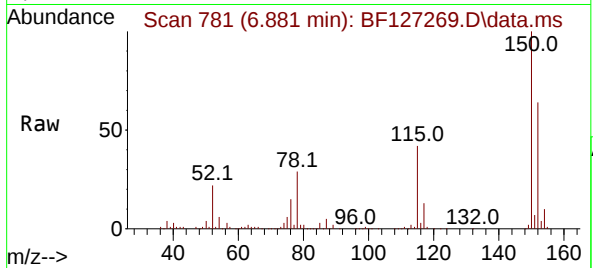




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

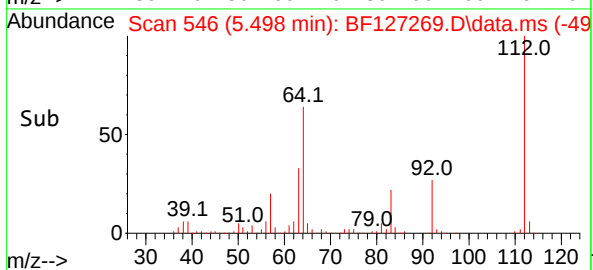
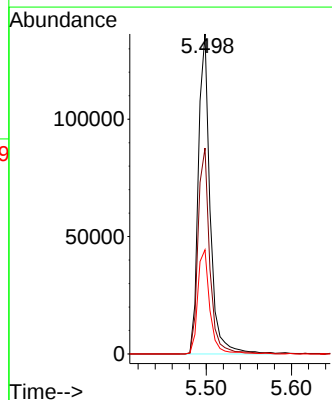
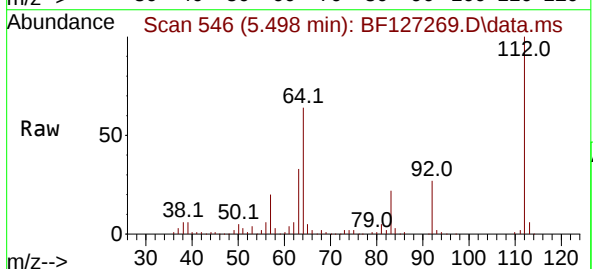
Instrument :
BNA_F
ClientSampleId :
TR-05-03072022

Tgt Ion:152 Resp: 106308
Ion Ratio Lower Upper
152 100
150 156.2 128.1 192.1
115 65.2 56.7 85.1



#5
2-Fluorophenol
Concen: 18.995 ng
RT: 5.498 min Scan# 546
Delta R.T. -0.000 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion:112 Resp: 130654
Ion Ratio Lower Upper
112 100
64 64.4 49.5 74.3
63 32.6 23.9 35.9

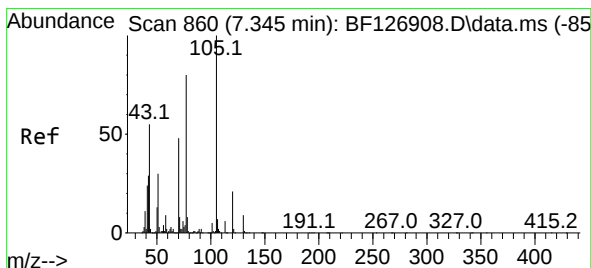
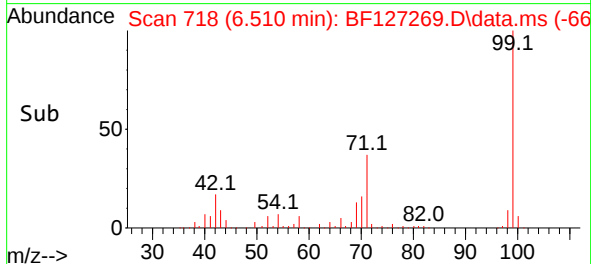
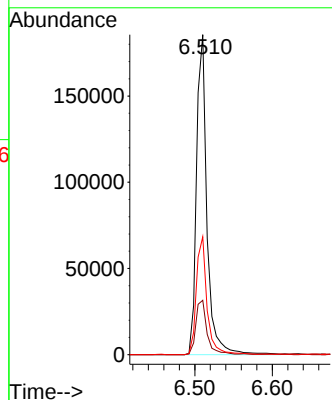
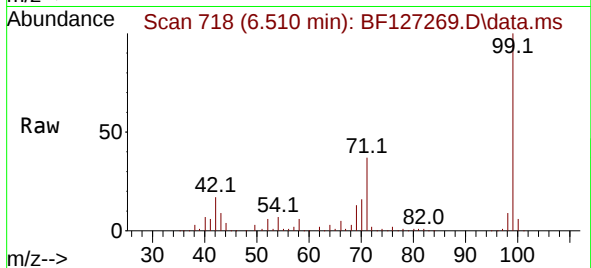




#7
Phenol-d6
Concen: 18.723 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

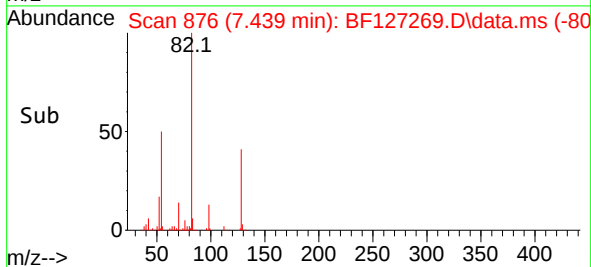
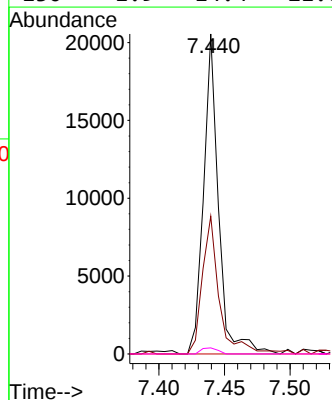
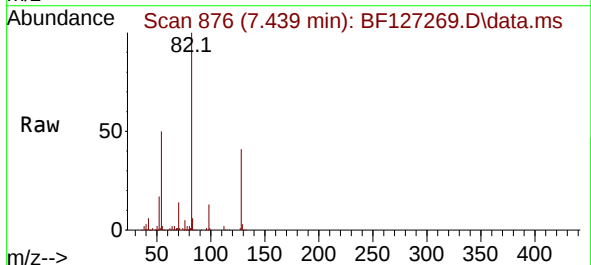
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BNA_F
ClientSampleId :
TR-05-03072022

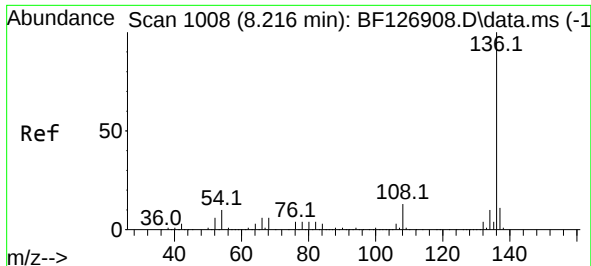
Tgt Ion: 99 Resp: 173770
Ion Ratio Lower Upper
99 100
42 17.0 14.2 21.4
71 36.9 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 2.736 ng
RT: 7.439 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion: 70 Resp: 16365
Ion Ratio Lower Upper
70 100
42 43.1 45.8 68.8#
101 0.0 6.9 10.3#
130 1.9 14.4 21.6#

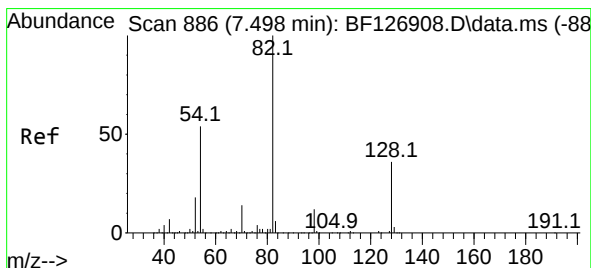
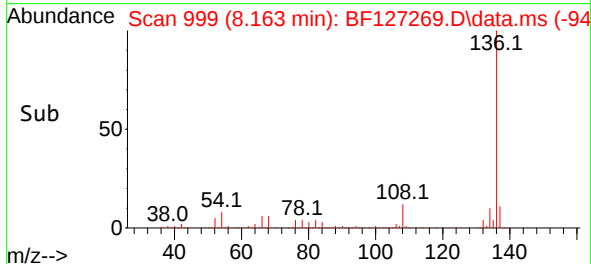
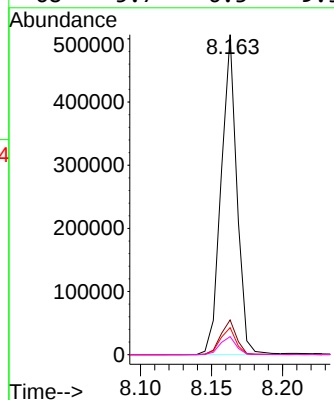
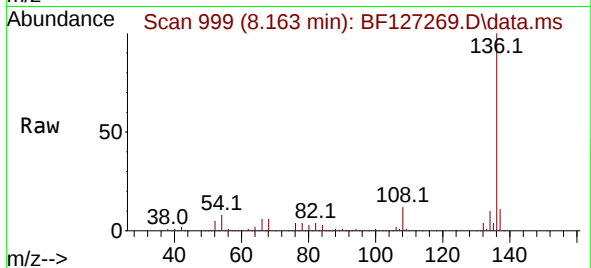




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

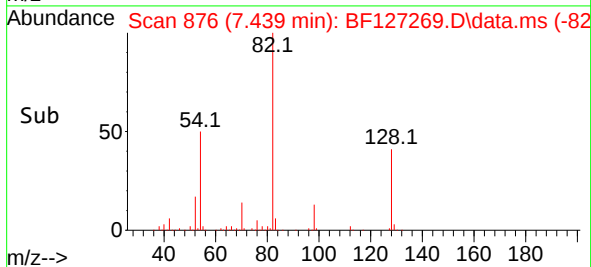
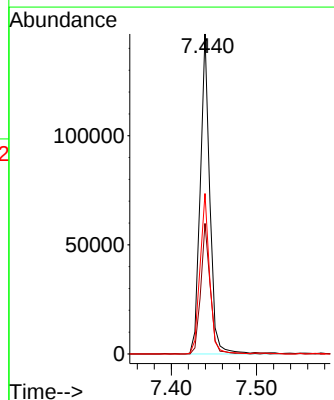
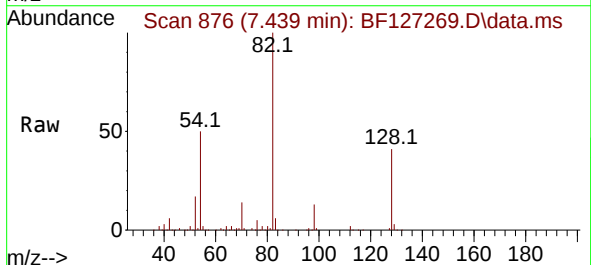
Instrument :
BNA_F
ClientSampleId :
TR-05-03072022

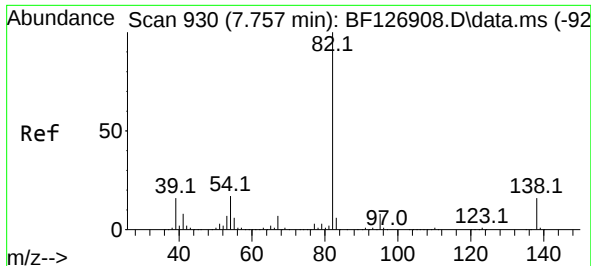
Tgt Ion:136 Resp: 389875
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 7.8 11.6
68 5.7 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 13.313 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion: 82 Resp: 114990
Ion Ratio Lower Upper
82 100
128 40.8 32.7 49.1
54 50.2 41.7 62.5

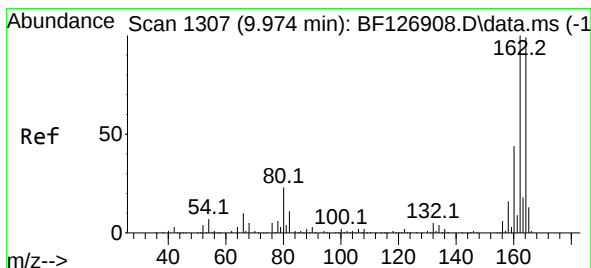
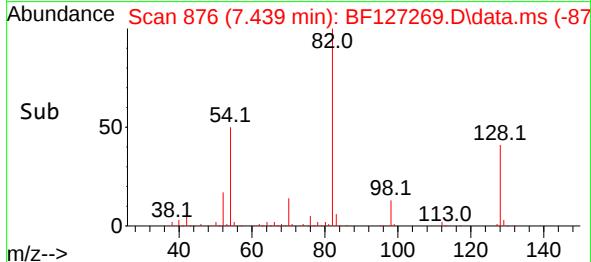
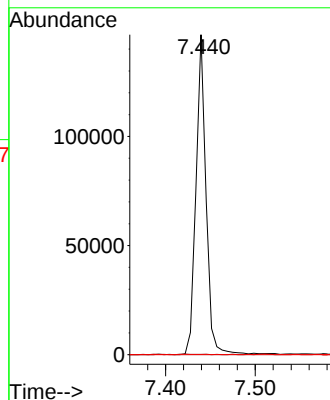
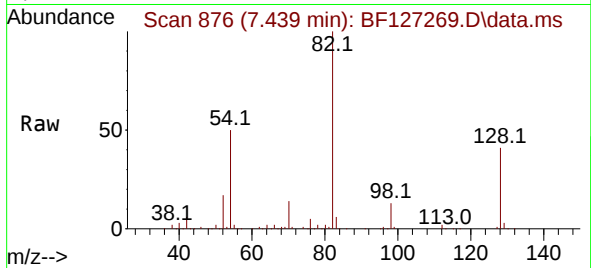




#25
Isophorone
Concen: 8.045 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

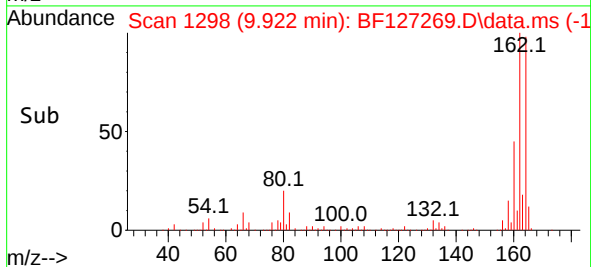
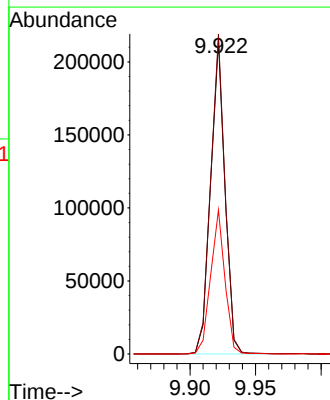
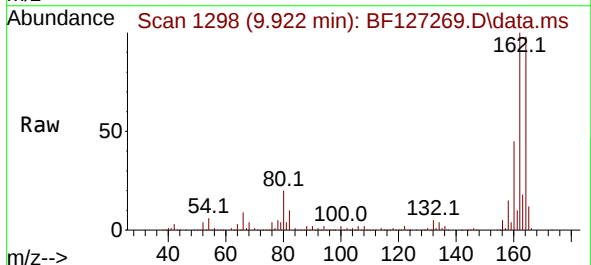
Instrument :
BNA_F
ClientSampleId :
TR-05-03072022

Tgt Ion: 82 Resp: 114990
Ion Ratio Lower Upper
82 100
95 0.1 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: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion: 164 Resp: 163695
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.0
160 46.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 16.354 ng

RT: 10.716 min Scan# 1442

Delta R.T. -0.000 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

Instrument :

BNA_F

ClientSampleId :

TR-05-03072022

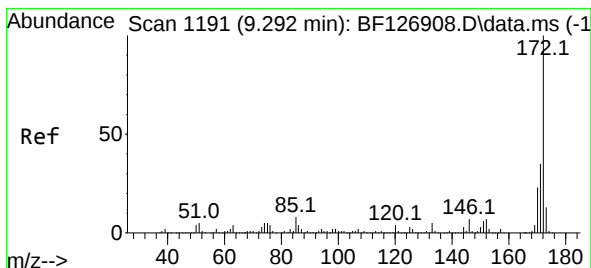
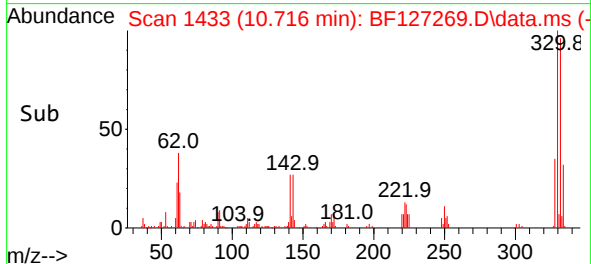
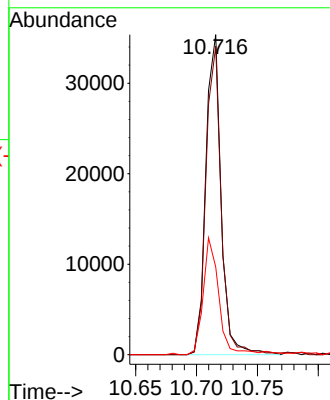
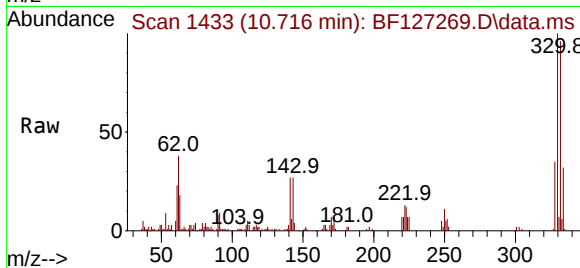
Tgt Ion:330 Resp: 30822

Ion Ratio Lower Upper

330 100

332 96.0 76.0 114.0

141 38.3 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 16.784 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

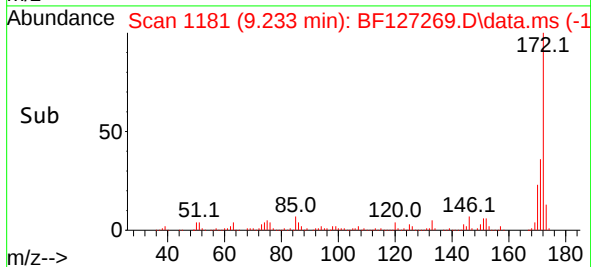
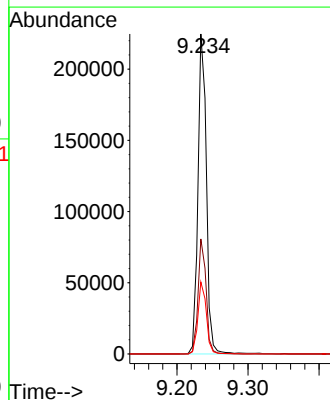
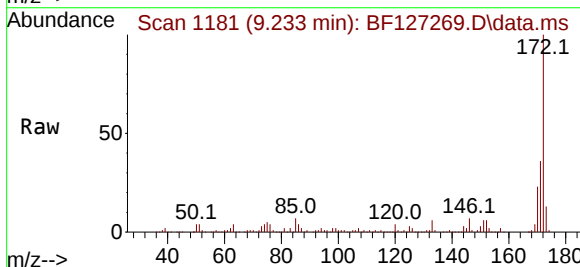
Tgt Ion:172 Resp: 186627

Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 22.5 19.0 28.6

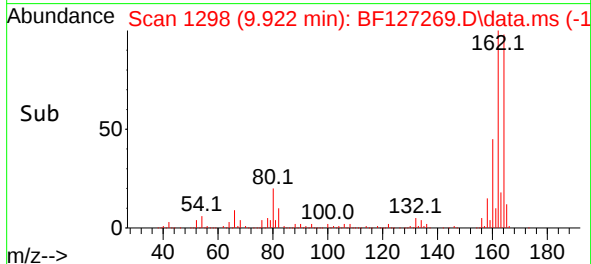
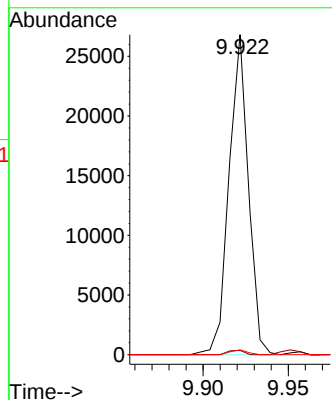
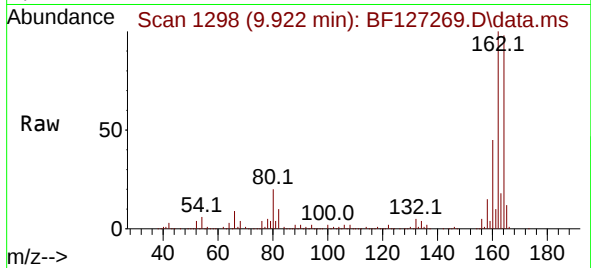




#51
2,6-Dinitrotoluene
Concen: 8.882 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.212 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

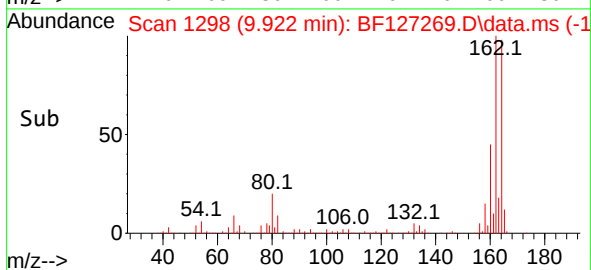
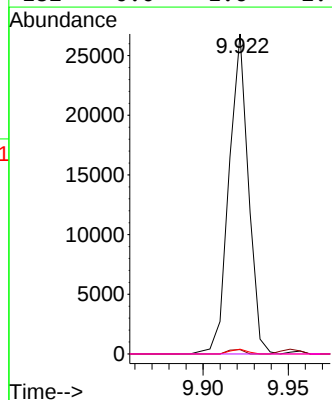
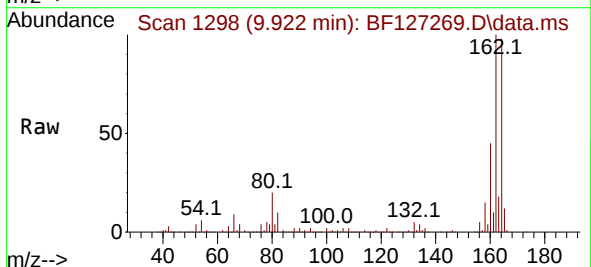
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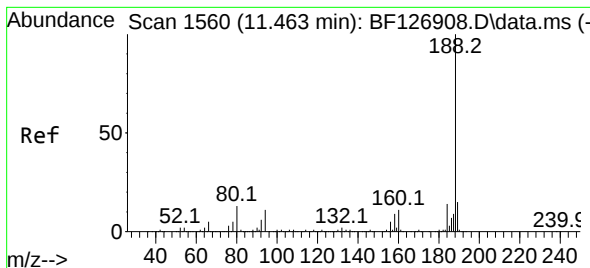
Tgt Ion:165 Resp: 21143
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.5 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.569 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.194 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion:165 Resp: 21143
Ion Ratio Lower Upper
165 100
63 1.3 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: 11.416 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

Instrument :

BNA_F

ClientSampleId :

TR-05-03072022

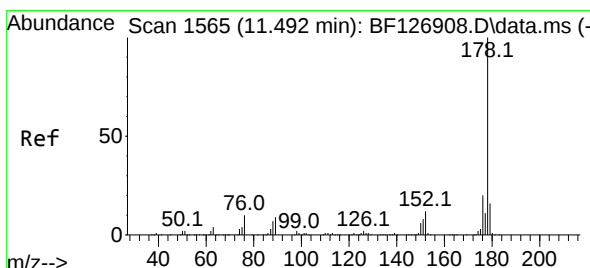
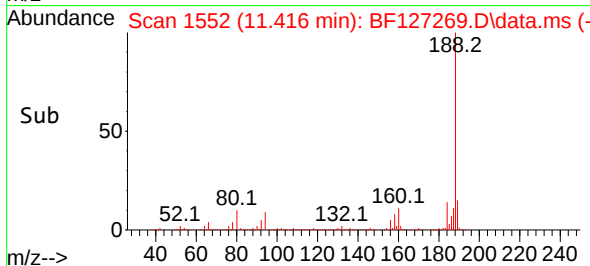
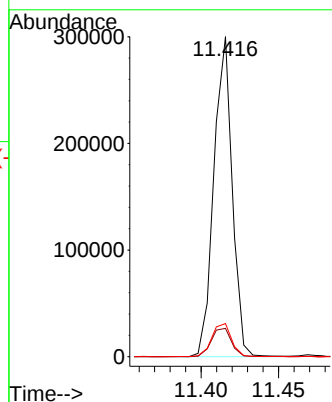
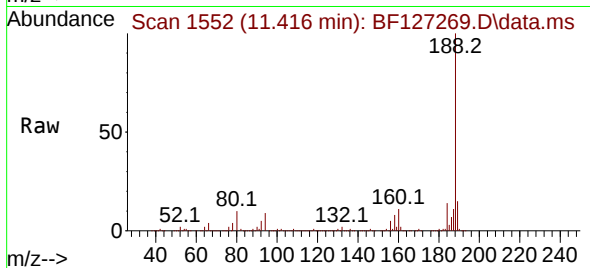
Tgt Ion:188 Resp: 246800

Ion Ratio Lower Upper

188 100

94 8.9 10.1 15.1#

80 10.4 11.8 17.6#



#71

Phenanthrene

Concen: 2.145 ng

RT: 11.439 min Scan# 1556

Delta R.T. -0.000 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

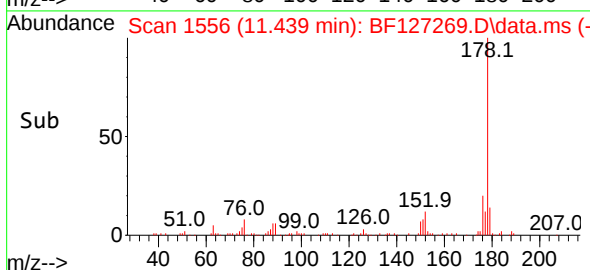
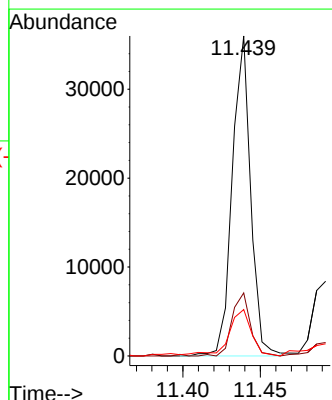
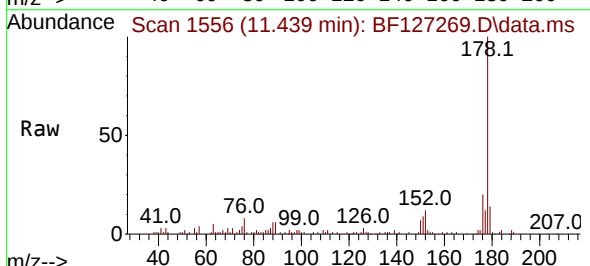
Tgt Ion:178 Resp: 29636

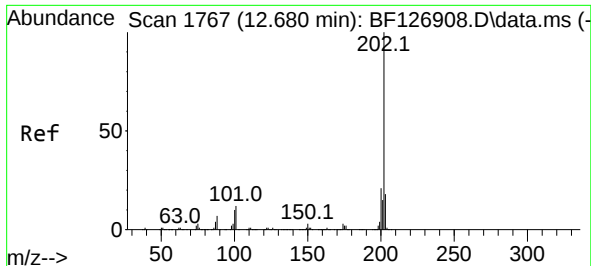
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 14.5 12.3 18.5

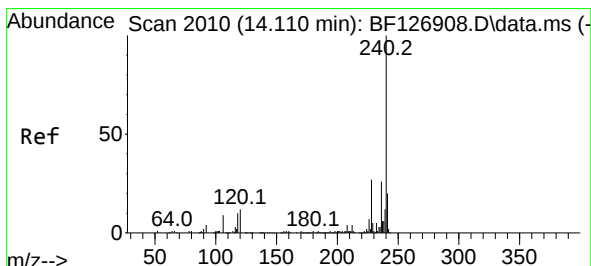
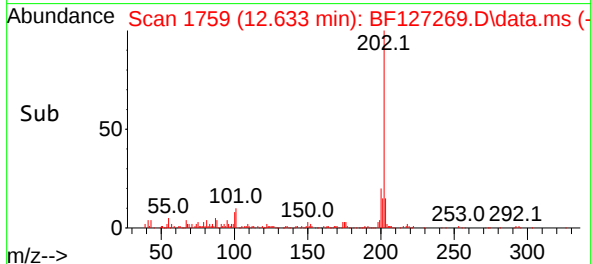
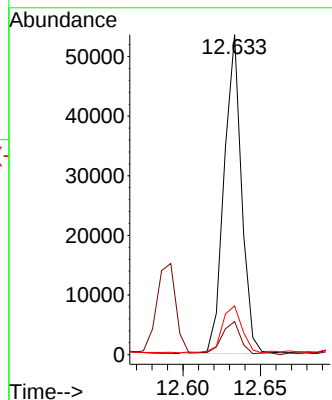
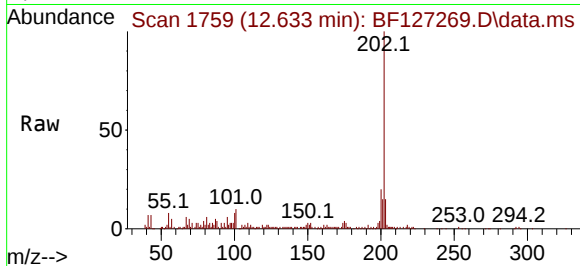




#75
Fluoranthene
Concen: 3.190 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

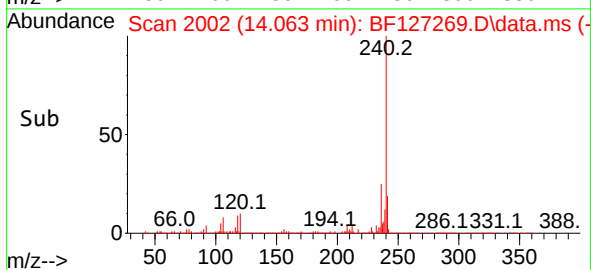
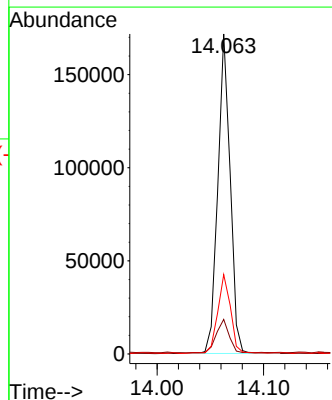
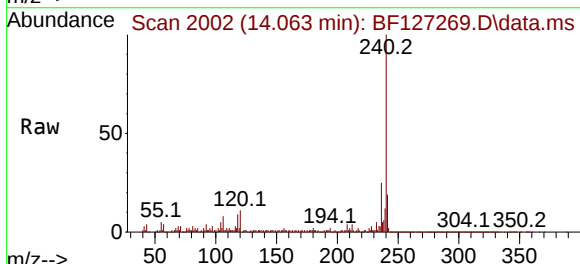
Instrument :
BNA_F
ClientSampleId :
TR-05-03072022

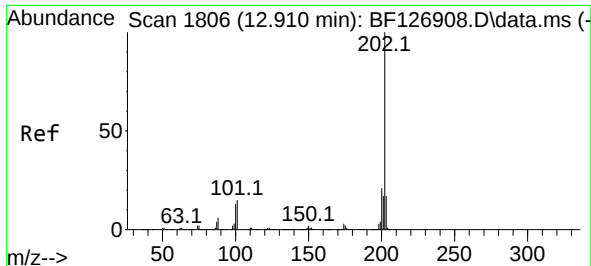
Tgt Ion:202 Resp: 41847
Ion Ratio Lower Upper
202 100
101 10.4 0.0 35.7
203 15.3 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion:240 Resp: 136942
Ion Ratio Lower Upper
240 100
120 10.8 14.4 21.6#
236 24.8 20.5 30.7

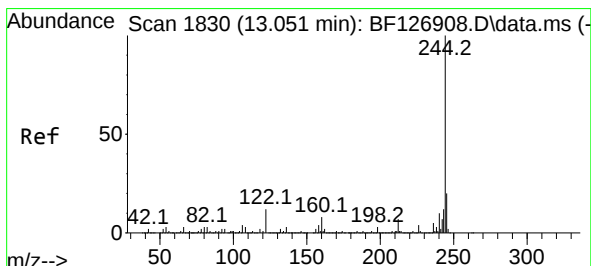
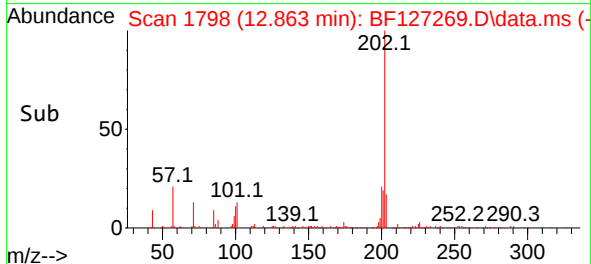
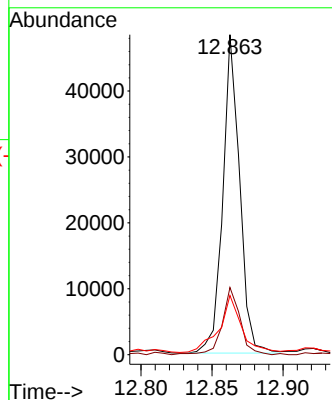
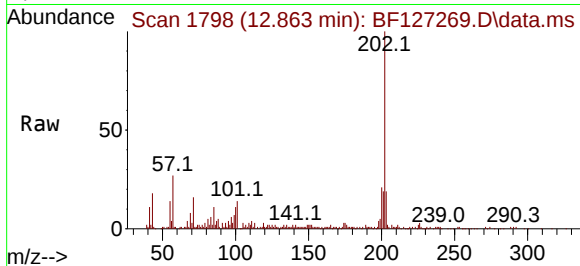




#78
 Pyrene
 Concen: 3.343 ng
 RT: 12.863 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF127269.D
 Acq: 08 Mar 2022 20:26

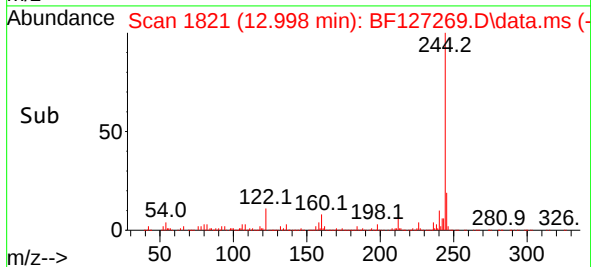
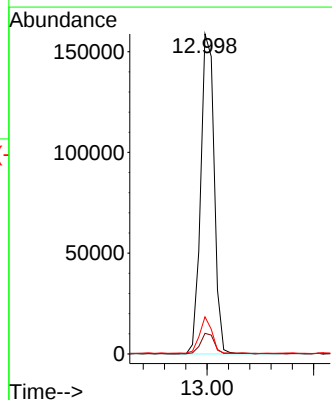
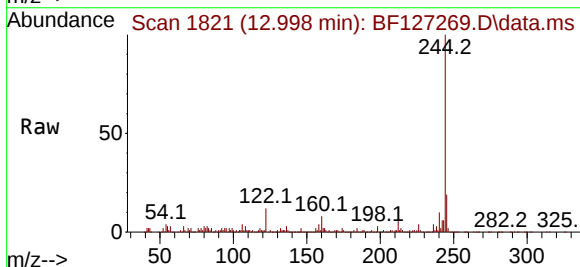
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-03072022

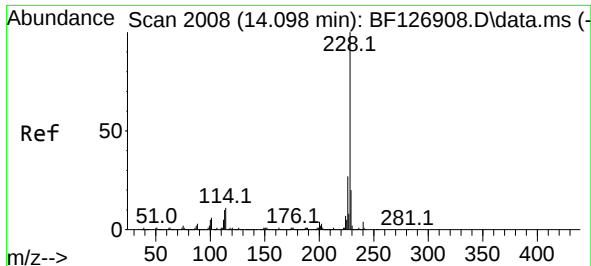
Tgt Ion:	202	Resp:	39777
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	18.5	13.8	20.8



#79
 Terphenyl-d14
 Concen: 15.093 ng
 RT: 12.998 min Scan# 1821
 Delta R.T. -0.000 min
 Lab File: BF127269.D
 Acq: 08 Mar 2022 20:26

Tgt Ion:	244	Resp:	140596
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.0	7.4
122	11.6	13.3	19.9

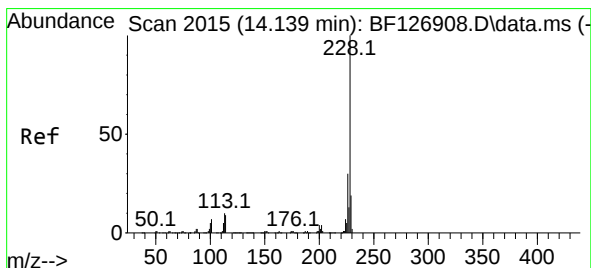
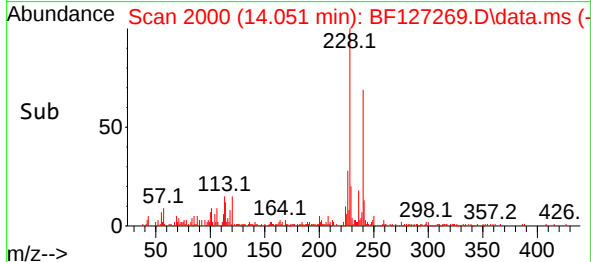
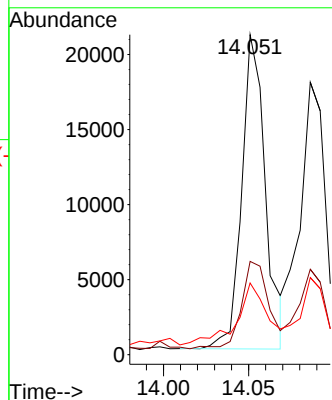
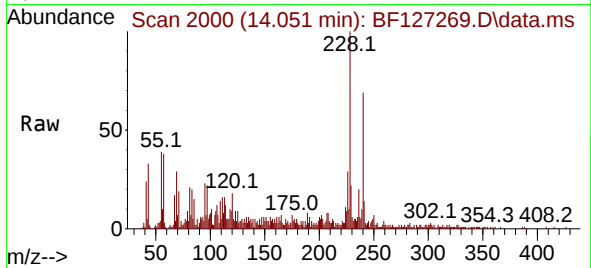




#81
Benzo(a)anthracene
Concen: 2.193 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

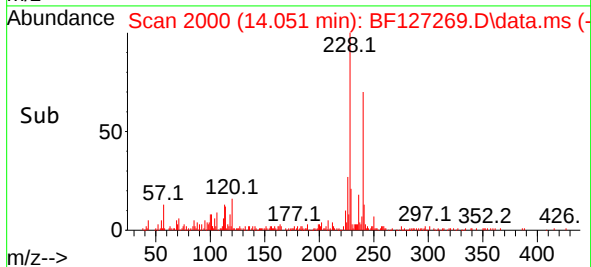
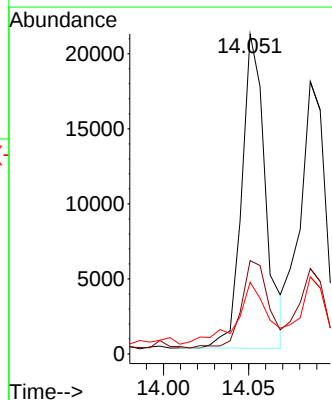
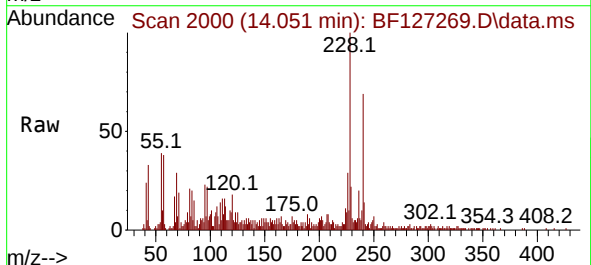
Instrument :
BNA_F
ClientSampleId :
TR-05-03072022

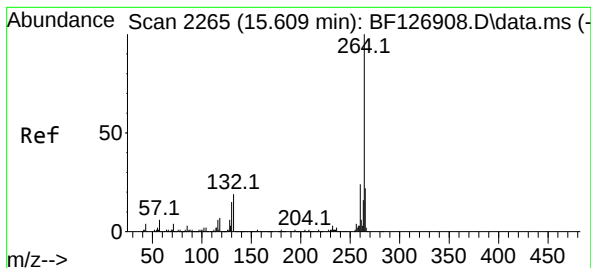
Tgt Ion:228 Resp: 20246
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 22.4 15.4 23.2



#83
Chrysene
Concen: 2.332 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.035 min
Lab File: BF127269.D
Acq: 08 Mar 2022 20:26

Tgt Ion:228 Resp: 20246
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 22.4 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

Instrument :

BNA_F

ClientSampleId :

TR-05-03072022

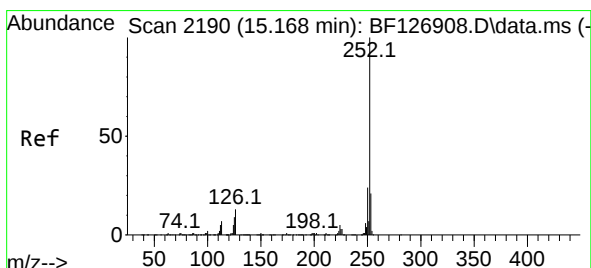
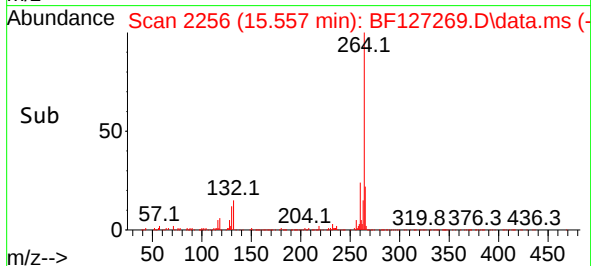
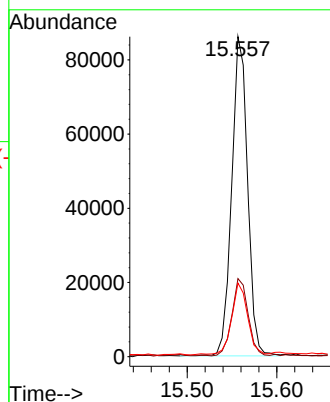
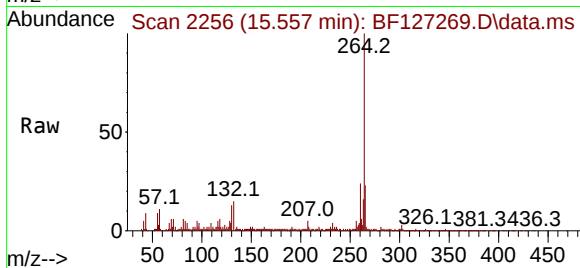
Tgt Ion:264 Resp: 105861

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 23.0 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.568 ng

RT: 15.115 min Scan# 2181

Delta R.T. 0.006 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

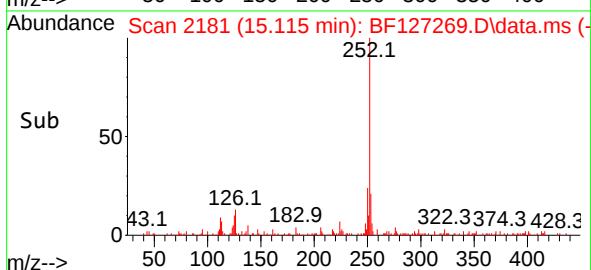
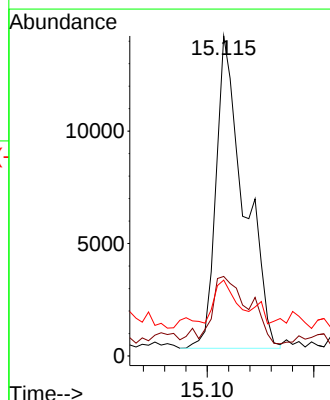
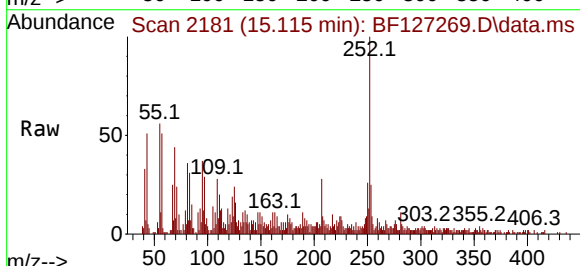
Tgt Ion:252 Resp: 25367

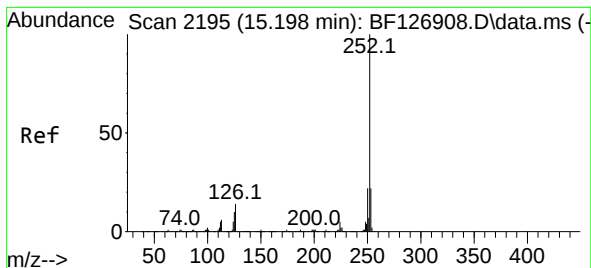
Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

125 23.7 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 3.699 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

Instrument :

BNA_F

ClientSampleId :

TR-05-03072022

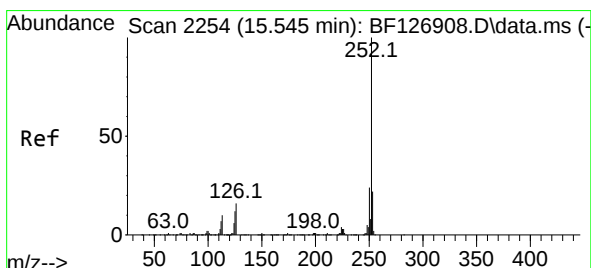
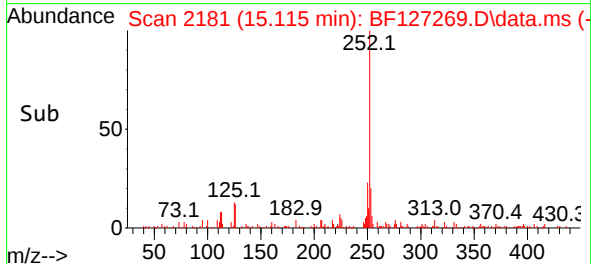
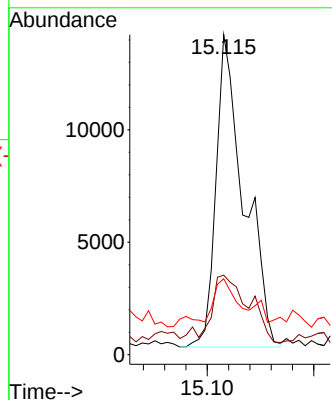
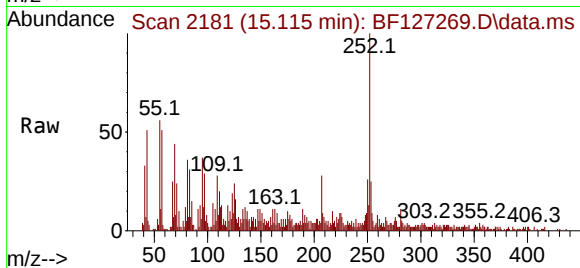
Tgt Ion:252 Resp: 25367

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

125 23.7 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 2.466 ng

RT: 15.492 min Scan# 2245

Delta R.T. 0.006 min

Lab File: BF127269.D

Acq: 08 Mar 2022 20:26

Tgt Ion:252 Resp: 13697

Ion Ratio Lower Upper

252 100

253 30.9 17.1 25.7#

125 19.4 13.0 19.6

