

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127572.D
 Acq On : 29 Mar 2022 18:25
 Operator : CG\JU
 Sample : N2095-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-9.0-10.0

Quant Time: Mar 30 08:32:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 07:13:31 2022
 Response via : Initial Calibration

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

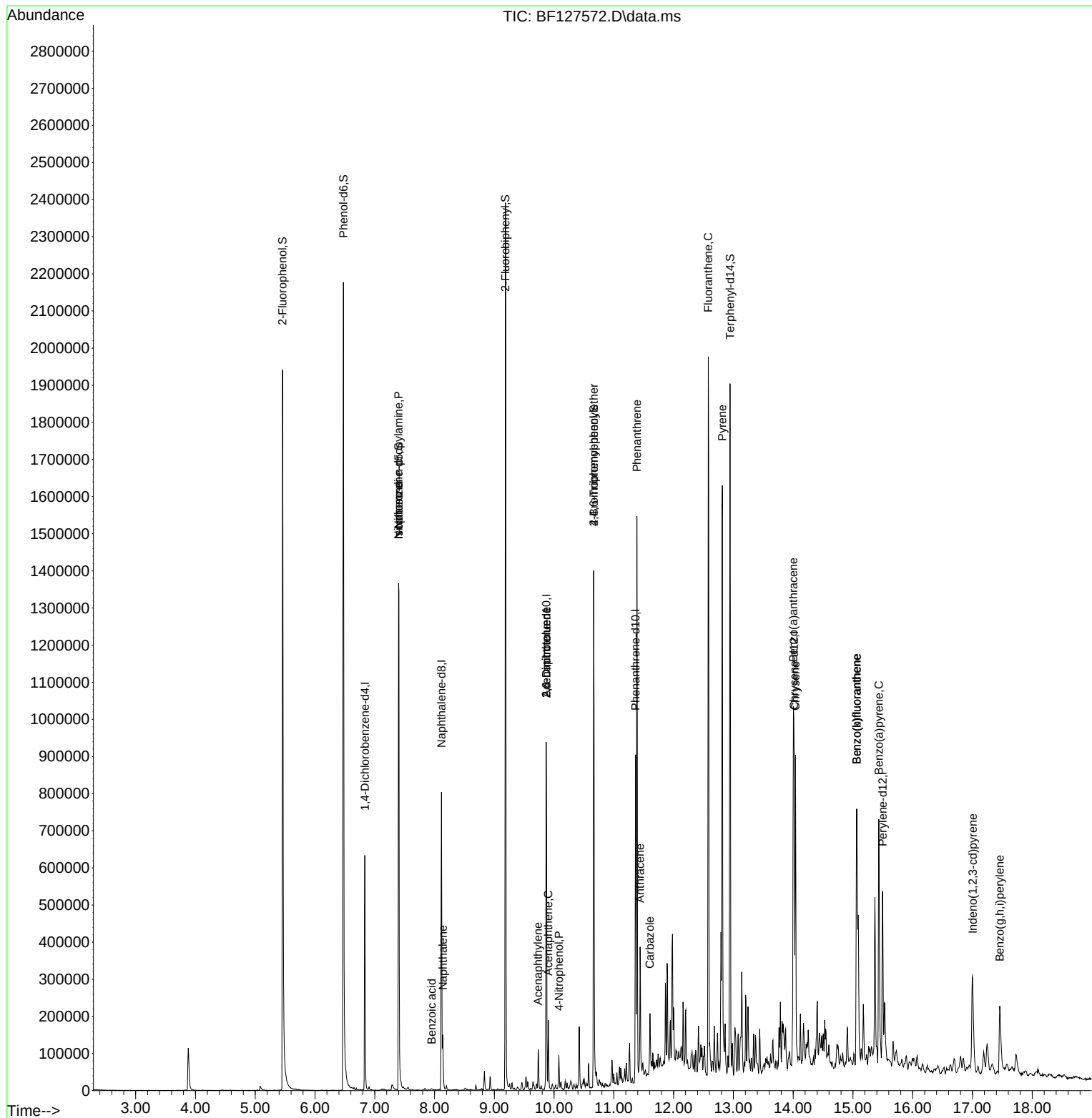
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	87238	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	314440	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	178914	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	293095	20.000	ng	0.00
76) Chrysene-d12	14.016	240	197811	20.000	ng	0.00
86) Perylene-d12	15.498	264	221082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	524088	95.894	ng	0.00
7) Phenol-d6	6.475	99	697176	93.322	ng	0.00
23) Nitrobenzene-d5	7.398	82	460087	62.545	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	151554	79.519	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	725428	59.207	ng	0.00
79) Terphenyl-d14	12.945	244	595704	49.299	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.475	77	1941	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	7.398	70	62357	13.925	ng	# 81
25) Isophorone	7.398	82	460084	39.269	ng	# 70
31) Naphthalene	8.139	128	61269	3.670	ng	# 99
32) Benzoic acid	7.951	122	1637	6.605	ng	# 4
49) Acenaphthylene	9.733	152	44853	2.788	ng	# 99
51) 2,6-Dinitrotoluene	9.869	165	23582	9.026	ng	# 17
52) Acenaphthene	9.904	154	35708	3.804	ng	# 100
55) Dibenzofuran	10.081	168	30805	Below Cal		# 99
56) 4-Nitrophenol	10.081	139	11472	7.865	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	23582	7.012	ng	# 14
67) 4-Bromophenyl-phenylether	10.663	248	10288	3.006	ng	# 1
71) Phenanthrene	11.386	178	513399	33.599	ng	# 99
72) Anthracene	11.439	178	122215	8.060	ng	# 99
73) Carbazole	11.604	167	43566	3.004	ng	# 99
75) Fluoranthene	12.580	202	792907	47.178	ng	# 98
78) Pyrene	12.816	202	691970	40.760	ng	# 100
81) Benzo(a)anthracene	14.004	228	340591	25.747	ng	# 98
83) Chrysene	14.039	228	297000	23.709	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.004	276	183754	12.283	ng	# 96
88) Benzo(b)fluoranthene	15.063	252	544685	39.074	ng	# 98
89) Benzo(k)fluoranthene	15.063	252	544685	37.692	ng	# 97
90) Benzo(a)pyrene	15.433	252	320811	28.043	ng	# 96
92) Benzo(g,h,i)perylene	17.456	276	160174	12.547	ng	# 97

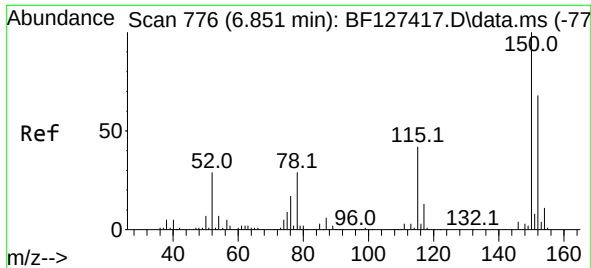
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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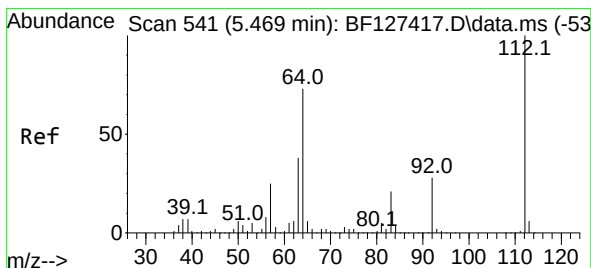
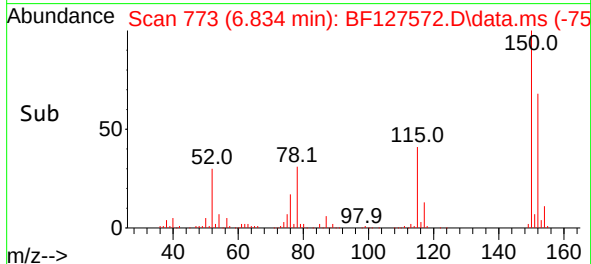
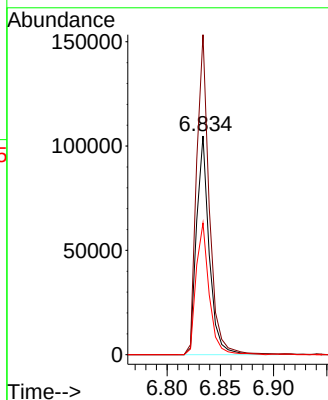
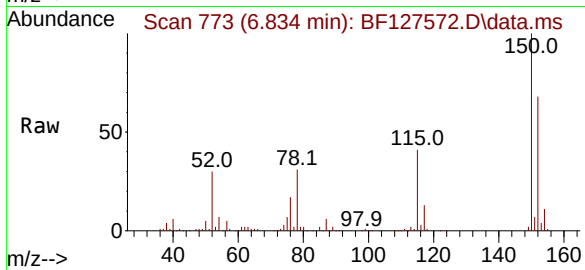




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

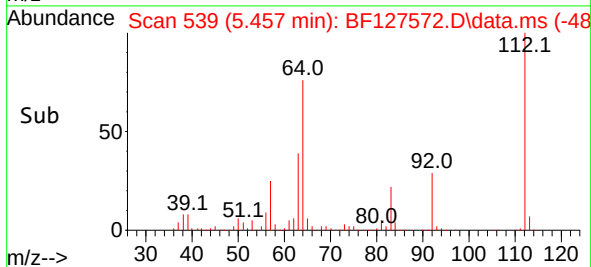
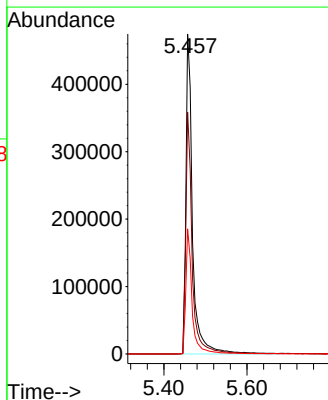
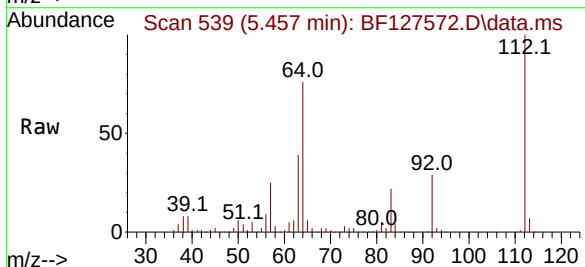
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0

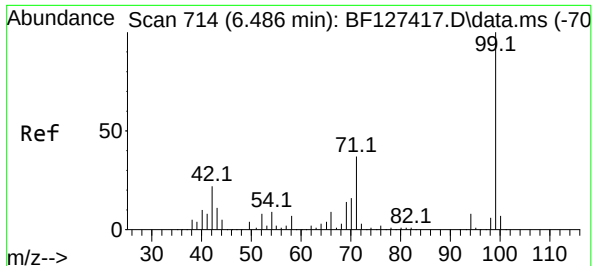
Tgt Ion:152 Resp: 87238
Ion Ratio Lower Upper
152 100
150 146.3 117.2 175.8
115 60.2 49.8 74.6



#5
2-Fluorophenol
Concen: 95.894 ng
RT: 5.457 min Scan# 539
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

Tgt Ion:112 Resp: 524088
Ion Ratio Lower Upper
112 100
64 75.6 58.4 87.6
63 39.1 30.1 45.1

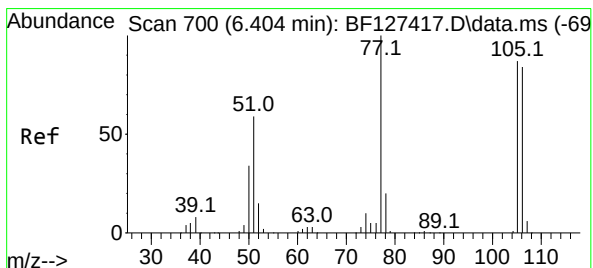
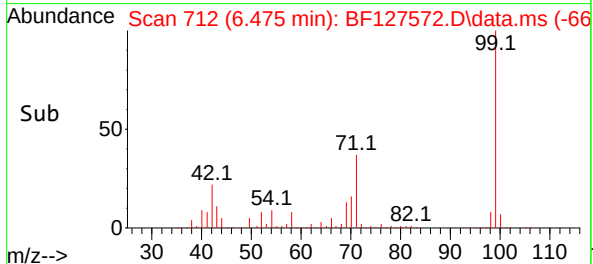
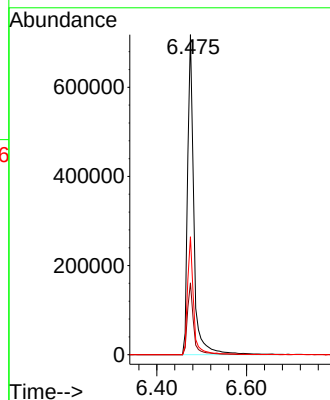
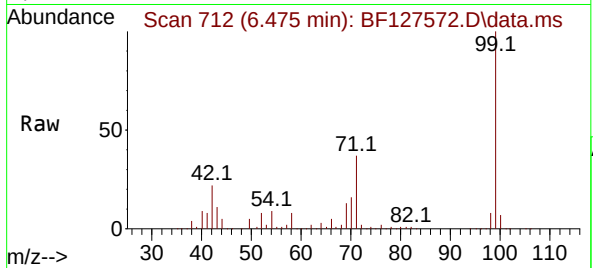




#7
Phenol-d6
Concen: 93.322 ng
RT: 6.475 min Scan# 712
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

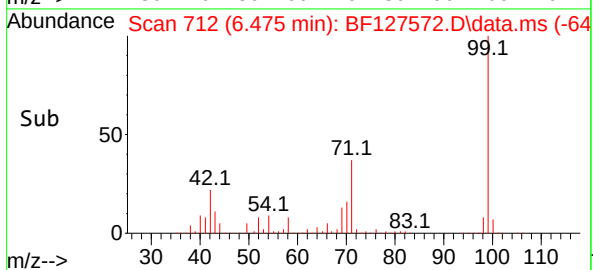
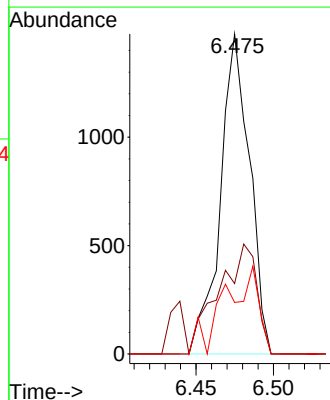
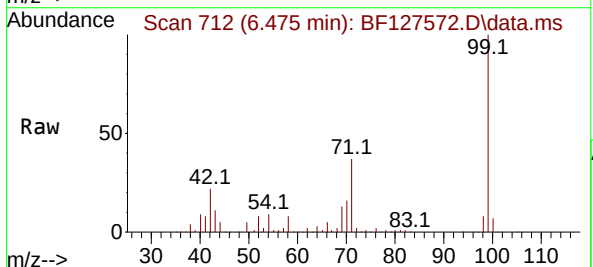
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0

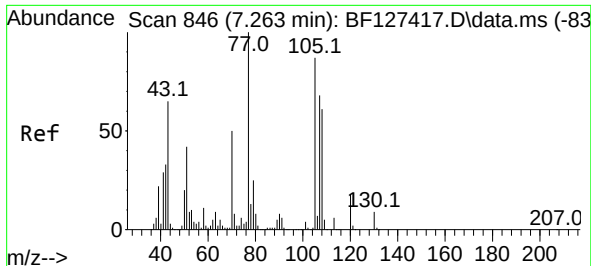
Tgt Ion: 99 Resp: 697176
Ion Ratio Lower Upper
99 100
42 22.5 17.8 26.6
71 36.9 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.475 min Scan# 712
Delta R.T. 0.083 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

Tgt Ion: 77 Resp: 1941
Ion Ratio Lower Upper
77 100
105 22.0 66.8 106.8#
106 16.1 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 13.925 ng

RT: 7.398 min Scan# 846

Delta R.T. 0.147 min

Lab File: BF127572.D

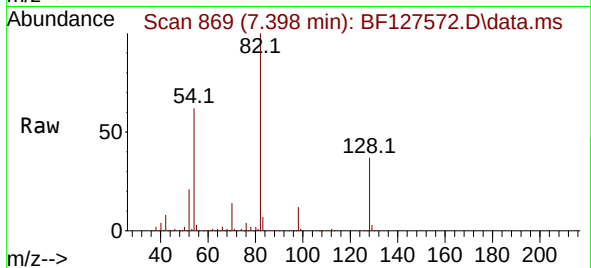
Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0



Tgt Ion: 70 Resp: 62357

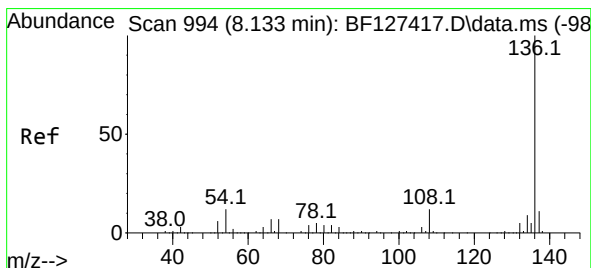
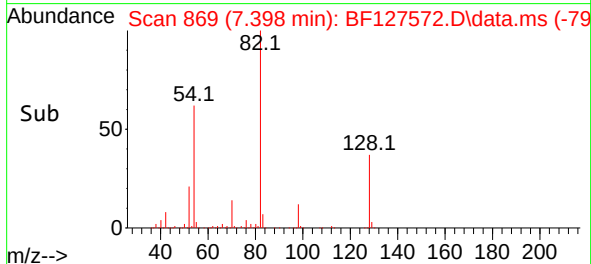
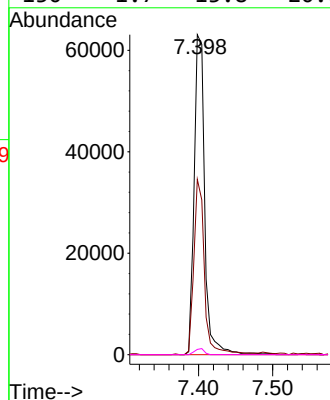
Ion Ratio Lower Upper

70 100

42 54.8 53.0 79.6

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Tgt Ion: 136 Resp: 314440

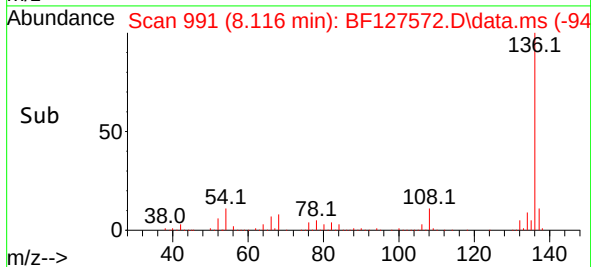
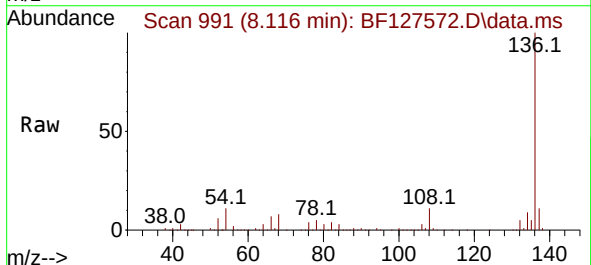
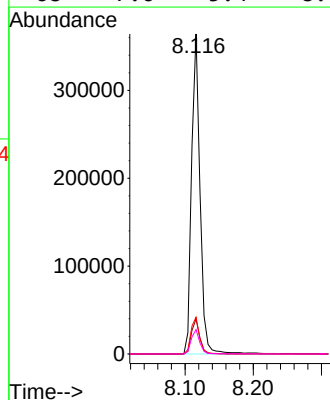
Ion Ratio Lower Upper

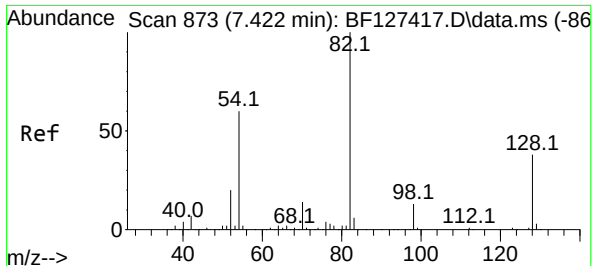
136 100

137 10.9 8.6 13.0

54 11.5 9.2 13.8

68 7.6 5.4 8.0





#23

Nitrobenzene-d5

Concen: 62.545 ng

RT: 7.398 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

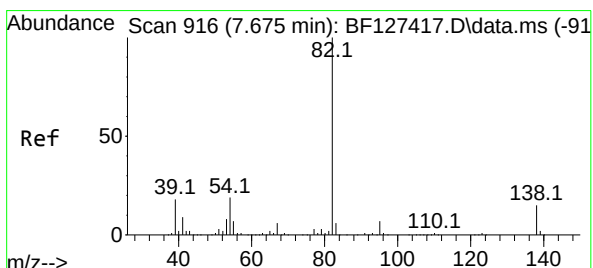
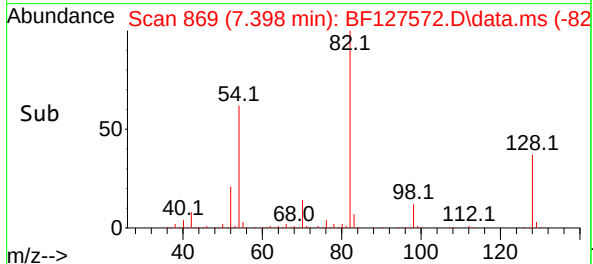
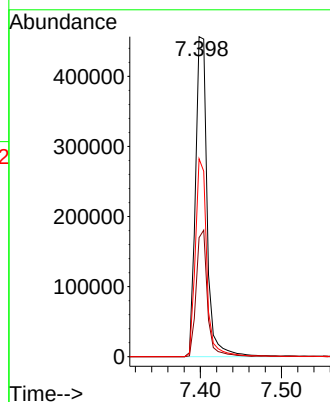
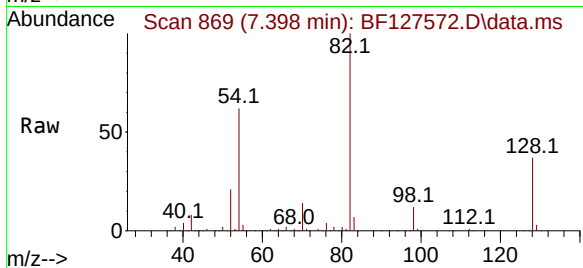
Tgt Ion: 82 Resp: 460087

Ion Ratio Lower Upper

82 100

128 37.2 30.6 45.8

54 61.8 48.2 72.2



#25

Isophorone

Concen: 39.269 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.265 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

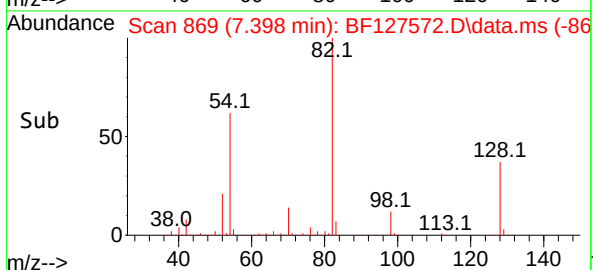
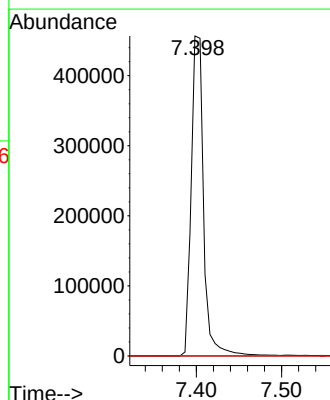
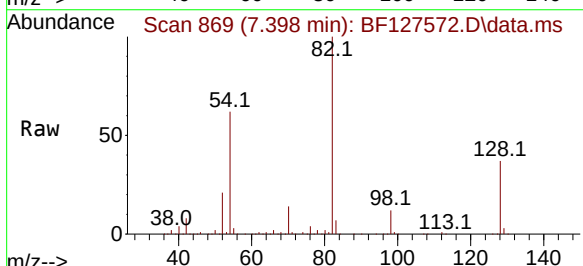
Tgt Ion: 82 Resp: 460084

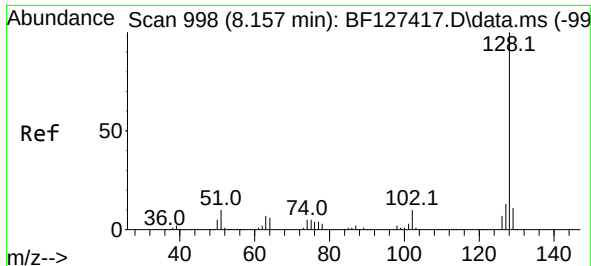
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#31

Naphthalene

Concen: 3.670 ng

RT: 8.139 min Scan# 998

Delta R.T. 0.000 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

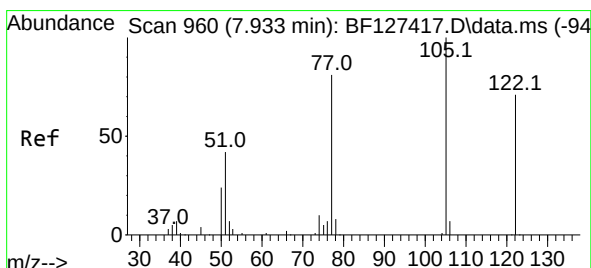
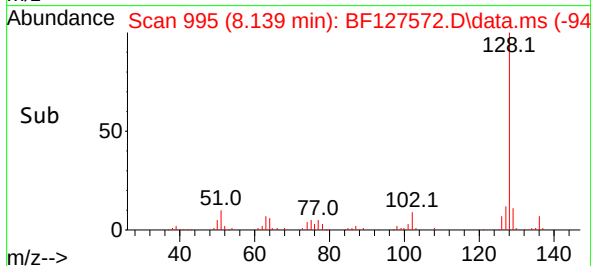
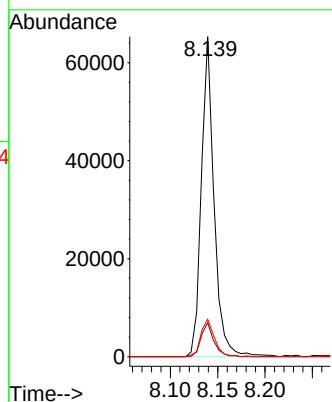
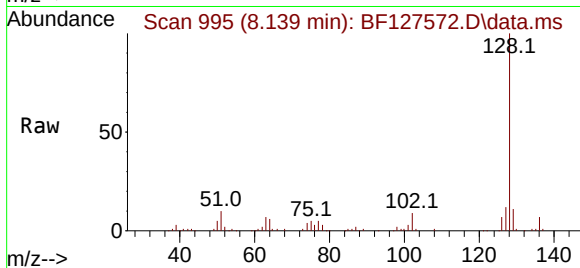
Tgt Ion:128 Resp: 61269

Ion Ratio Lower Upper

128 100

129 10.6 8.4 12.6

127 11.7 10.2 15.2



#32

Benzoic acid

Concen: 6.605 ng

RT: 7.951 min Scan# 963

Delta R.T. 0.024 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

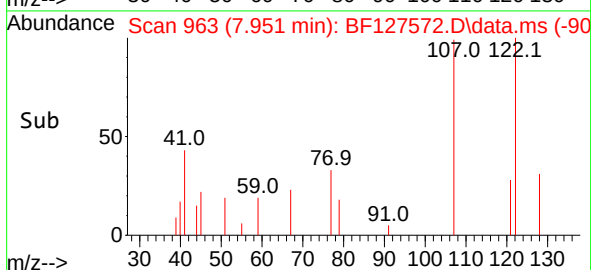
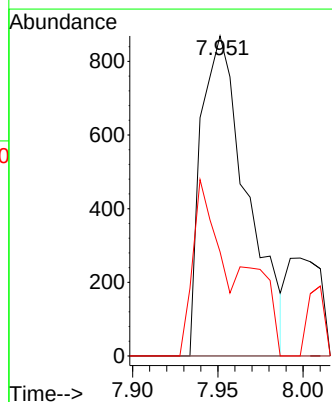
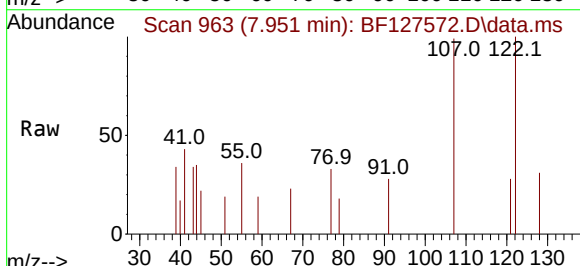
Tgt Ion:122 Resp: 1637

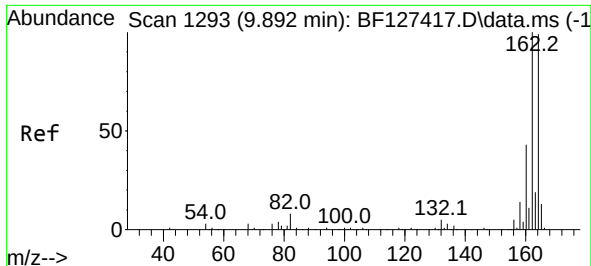
Ion Ratio Lower Upper

122 100

105 0.0 117.1 157.1#

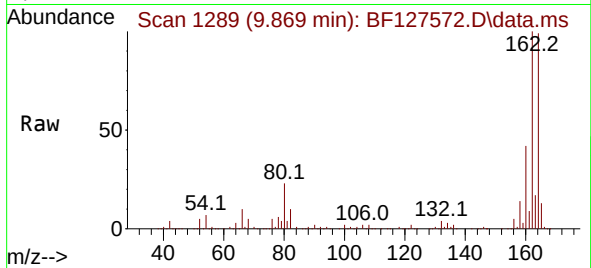
77 32.6 93.0 133.0#



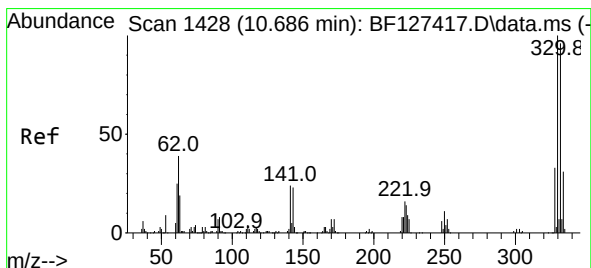
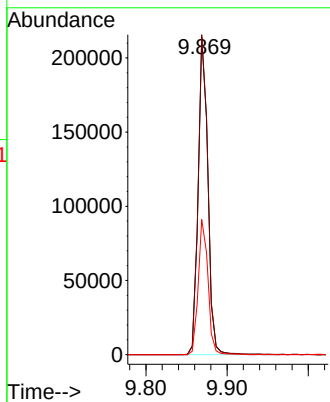
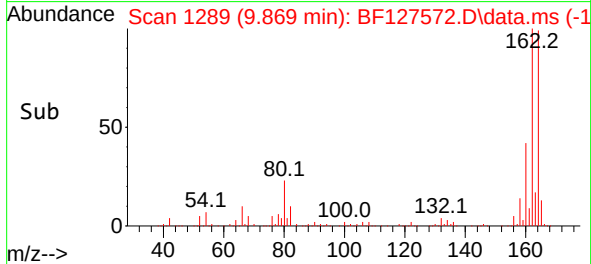


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

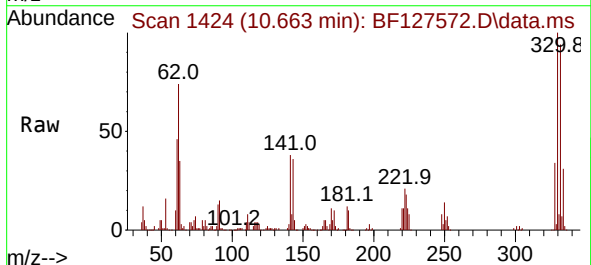
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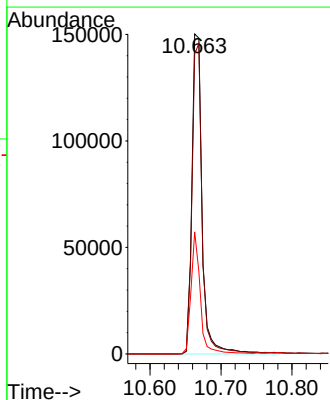
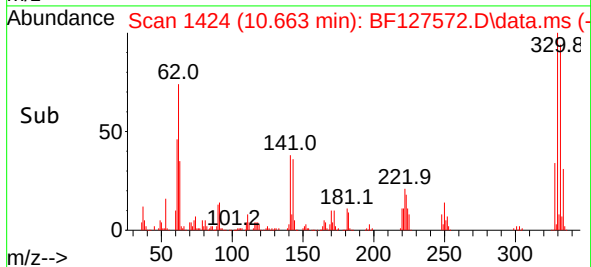
Tgt Ion:164 Resp: 178914
Ion Ratio Lower Upper
164 100
162 100.8 81.2 121.8
160 42.6 34.6 52.0

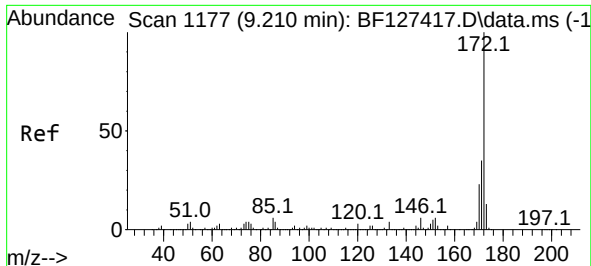


#42
2,4,6-Tribromophenol
Concen: 79.519 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25



Tgt Ion:330 Resp: 151554
Ion Ratio Lower Upper
330 100
332 95.0 79.1 118.7
141 34.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 59.207 ng

RT: 9.186 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

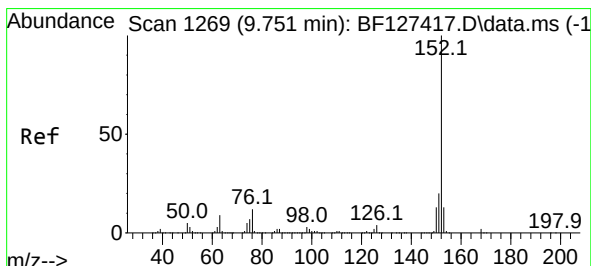
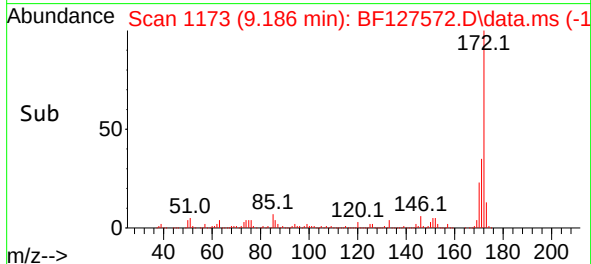
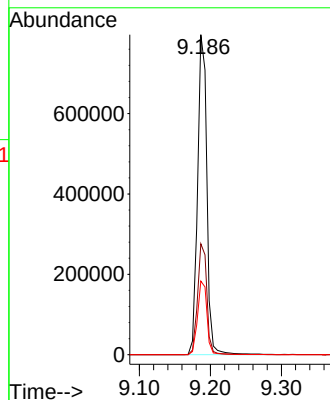
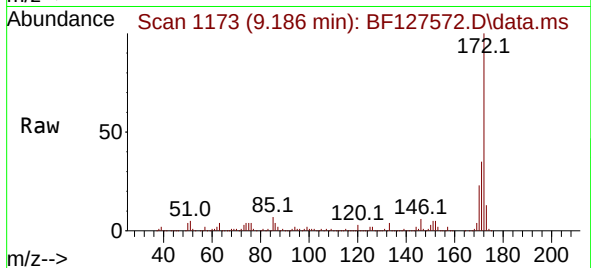
Tgt Ion:172 Resp: 725428

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.0 18.6 27.8



#49

Acenaphthylene

Concen: 2.788 ng

RT: 9.733 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

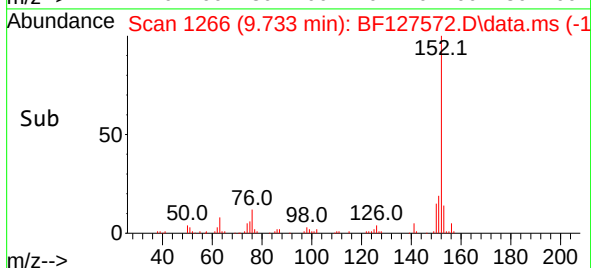
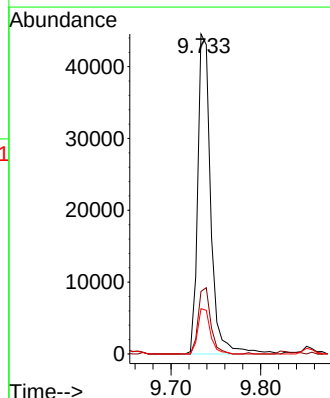
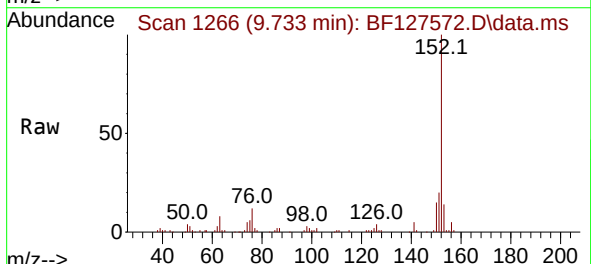
Tgt Ion:152 Resp: 44853

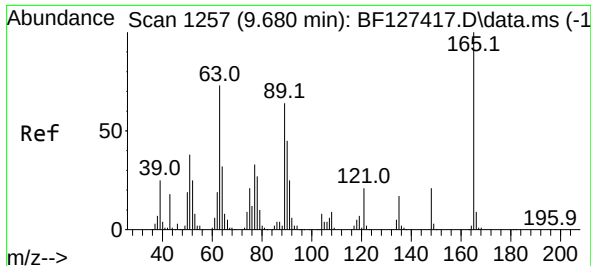
Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.8

153 14.1 10.5 15.7





#51

2,6-Dinitrotoluene

Concen: 9.026 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

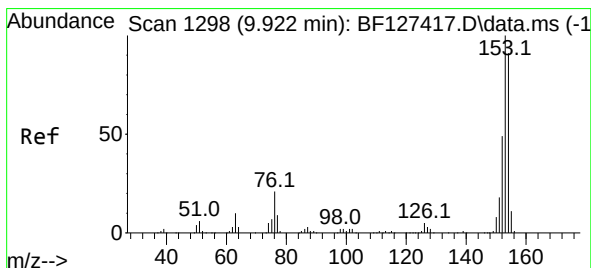
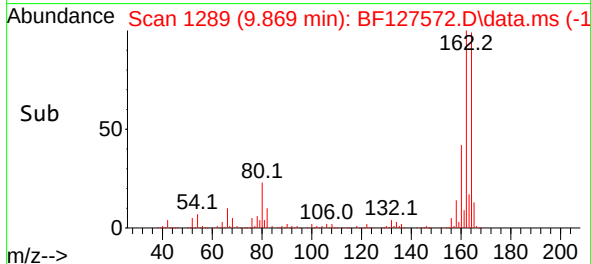
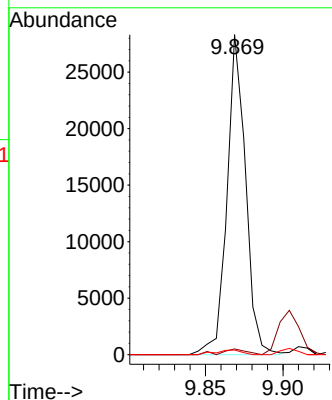
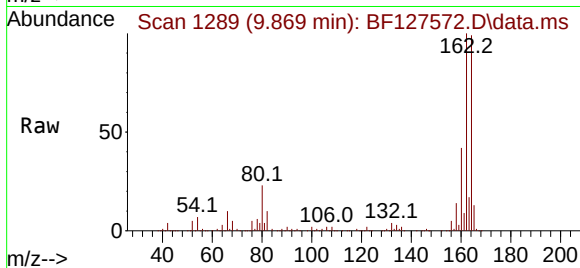
Tgt Ion:165 Resp: 23582

Ion Ratio Lower Upper

165 100

63 1.8 58.3 87.5#

89 1.5 51.5 77.3#



#52

Acenaphthene

Concen: 3.804 ng

RT: 9.904 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

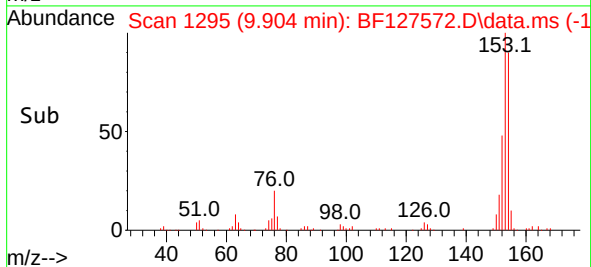
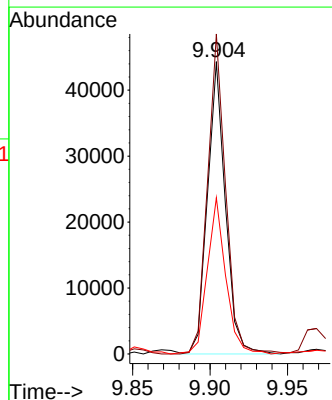
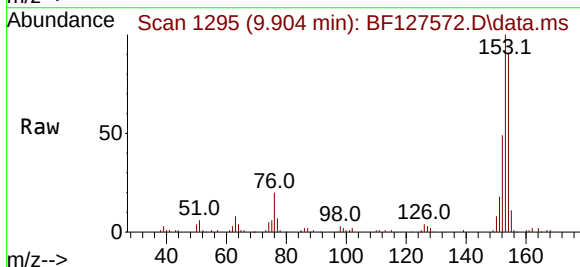
Tgt Ion:154 Resp: 35708

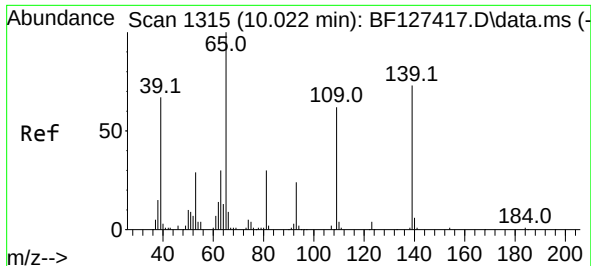
Ion Ratio Lower Upper

154 100

153 109.5 87.6 131.4

152 53.4 42.9 64.3

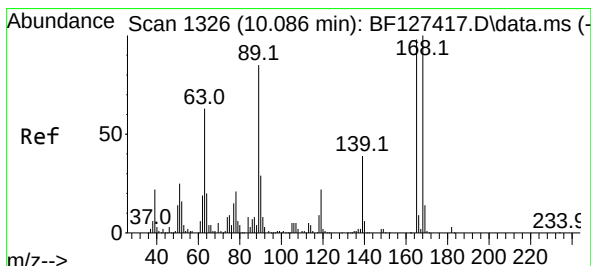
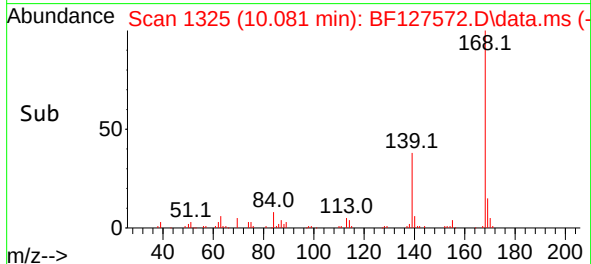
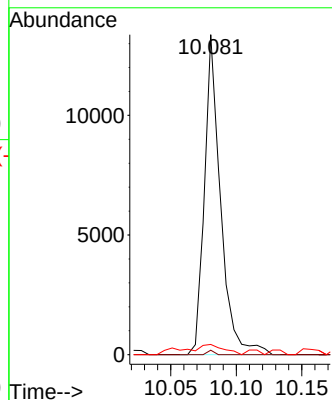
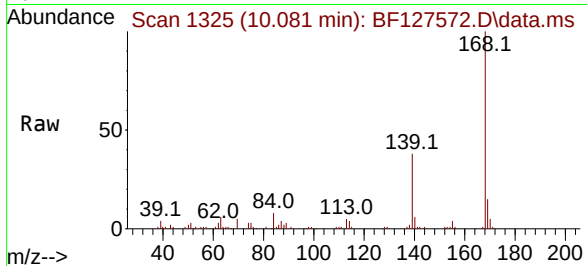




#56
4-Nitrophenol
Concen: 7.865 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

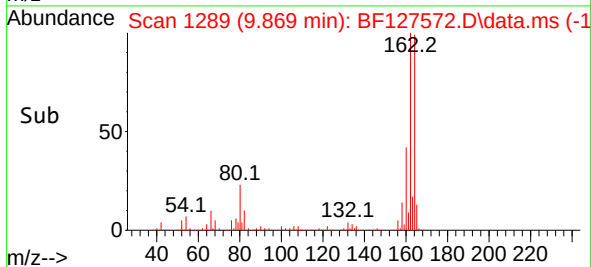
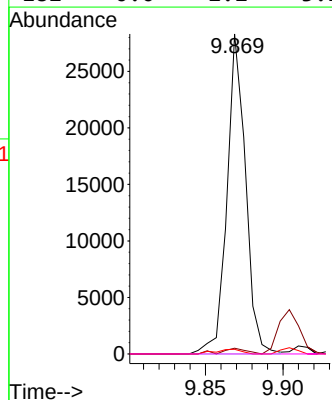
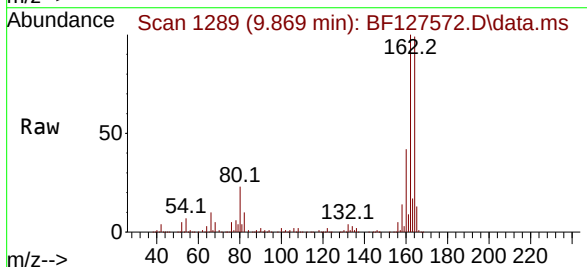
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0

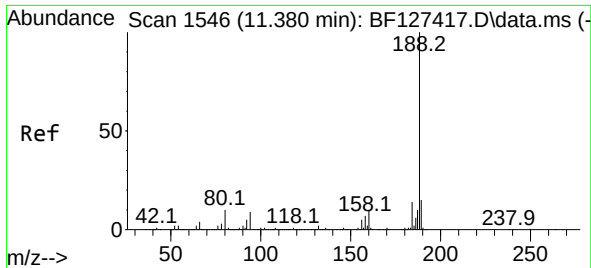
Tgt Ion:139 Resp: 11472
Ion Ratio Lower Upper
139 100
109 1.4 64.3 104.3#
65 3.2 117.5 157.5#



#57
2,4-Dinitrotoluene
Concen: 7.012 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.206 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

Tgt Ion:165 Resp: 23582
Ion Ratio Lower Upper
165 100
63 1.8 53.1 79.7#
89 1.5 69.2 103.8#
182 0.0 2.2 3.2#

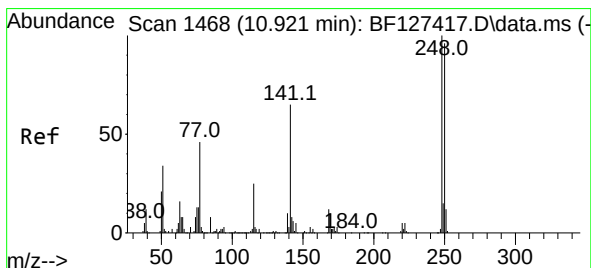
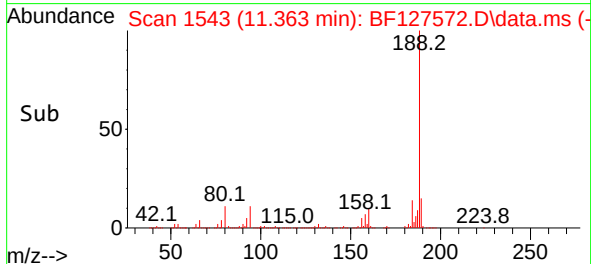
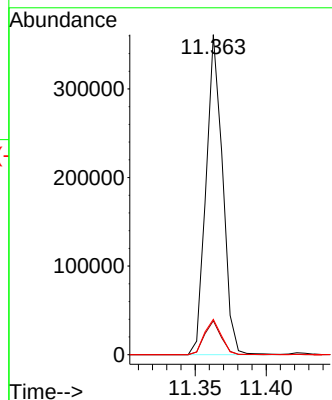
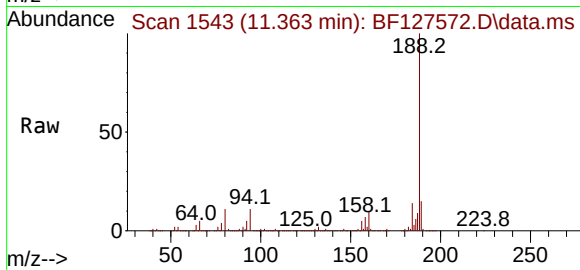




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

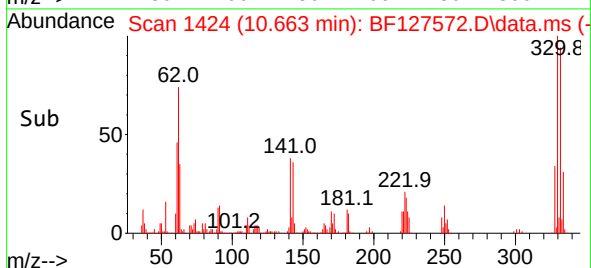
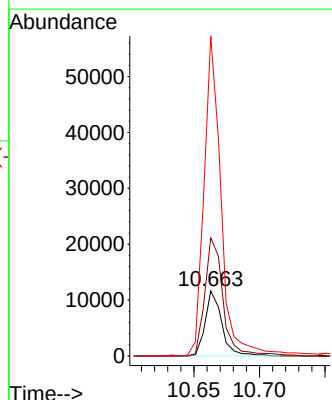
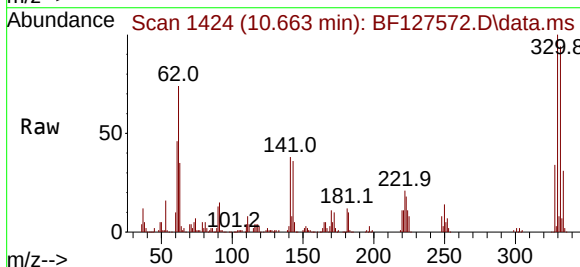
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0

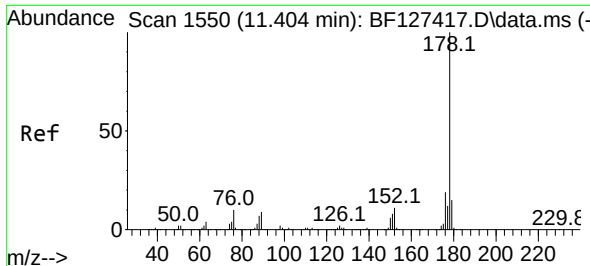
Tgt Ion:188 Resp: 293095
Ion Ratio Lower Upper
188 100
94 10.6 7.4 11.0
80 11.0 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 3.006 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.241 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

Tgt Ion:248 Resp: 10288
Ion Ratio Lower Upper
248 100
250 181.9 76.6 115.0#
141 492.9 52.2 78.2#

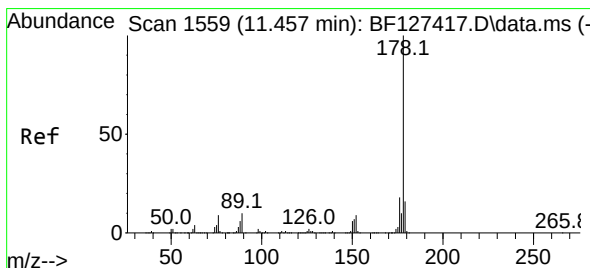
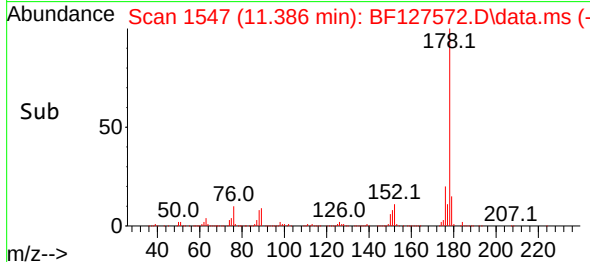
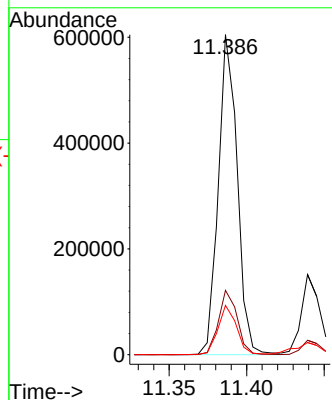
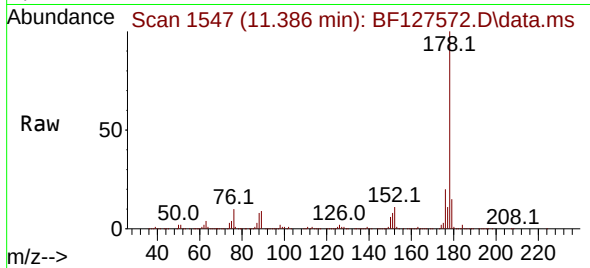




#71
Phenanthrene
Concen: 33.599 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

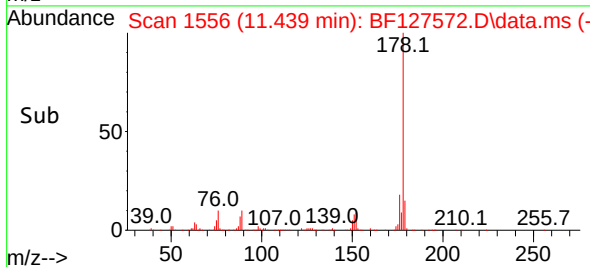
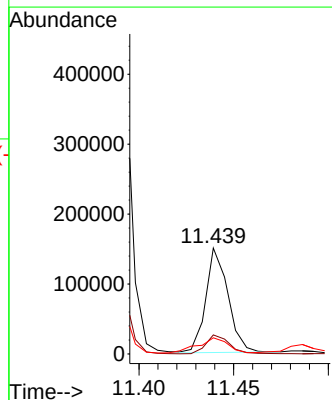
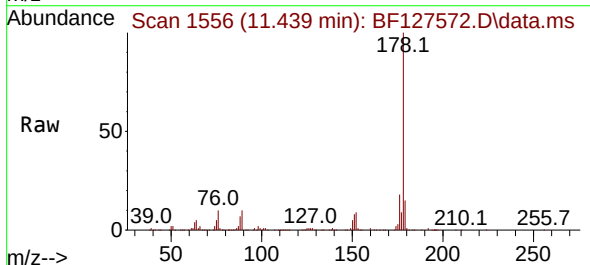
Instrument :
BNA_F
ClientSampleId :
SB-13-9.0-10.0

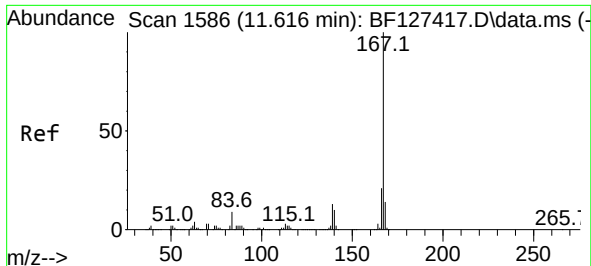
Tgt Ion:178 Resp: 513399
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 15.4 12.4 18.6



#72
Anthracene
Concen: 8.060 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127572.D
Acq: 29 Mar 2022 18:25

Tgt Ion:178 Resp: 122215
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 15.2 12.4 18.6

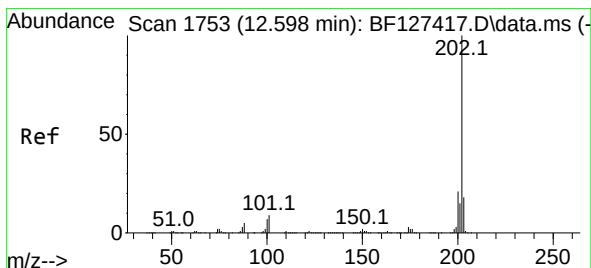
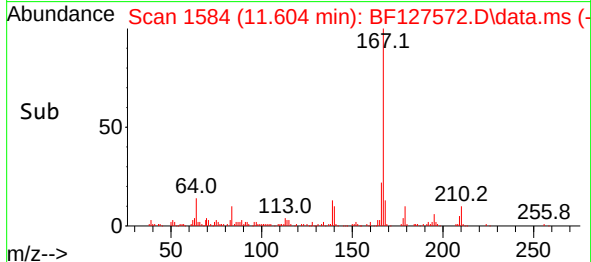
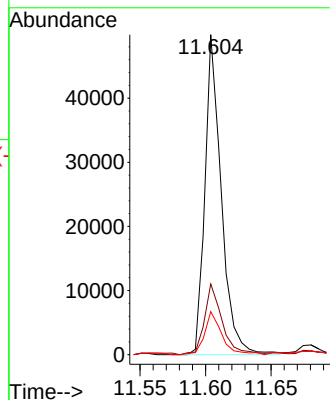
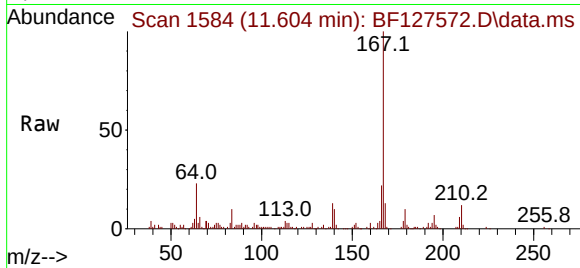




#73
 Carbazole
 Concen: 3.004 ng
 RT: 11.604 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25

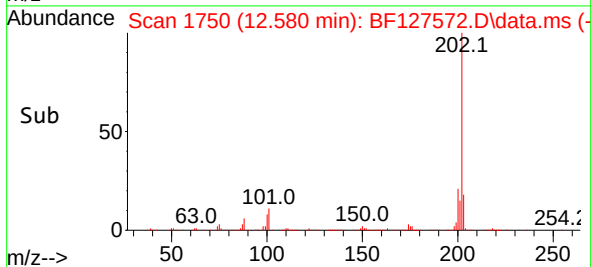
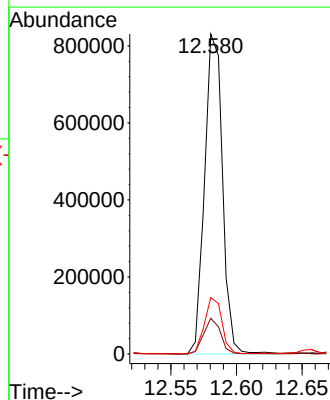
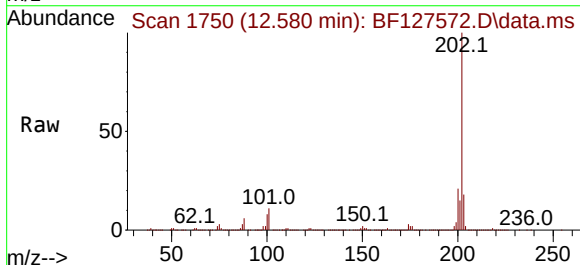
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-9.0-10.0

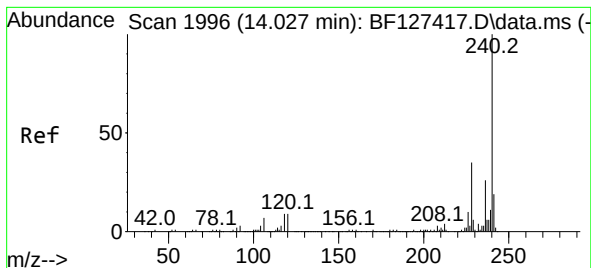
Tgt Ion:167	Resp:	43566
Ion Ratio	Lower	Upper
167	100	
166	22.1	17.0 25.4
139	13.4	10.5 15.7



#75
 Fluoranthene
 Concen: 47.178 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25

Tgt Ion:202	Resp:	792907
Ion Ratio	Lower	Upper
202	100	
101	11.1	0.0 29.0
203	17.7	0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 1994

Delta R.T. 0.000 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

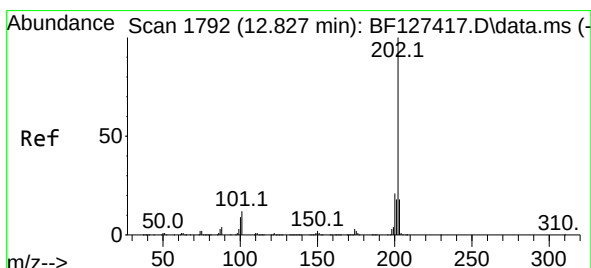
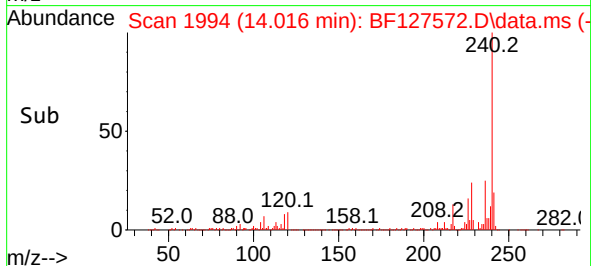
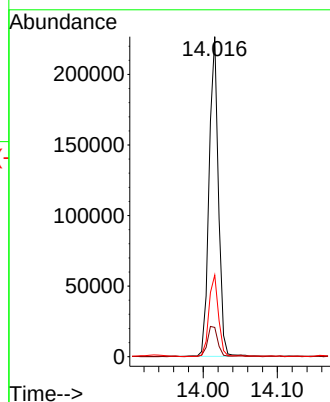
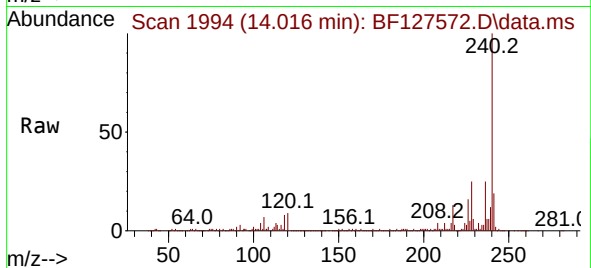
Tgt Ion:240 Resp: 197811

Ion Ratio Lower Upper

240 100

120 9.1 7.1 10.7

236 25.5 20.7 31.1



#78

Pyrene

Concen: 40.760 ng

RT: 12.816 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

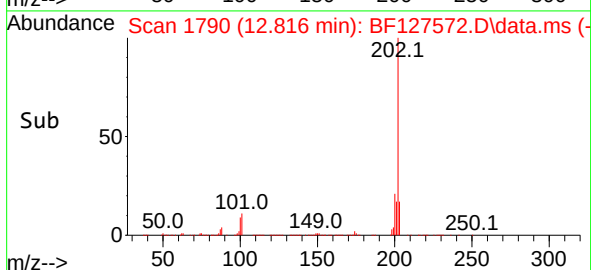
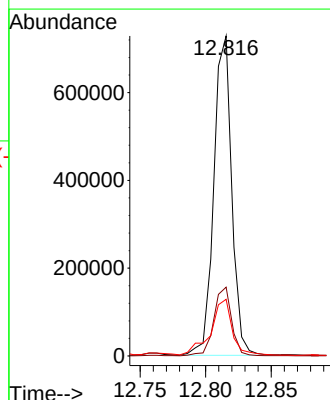
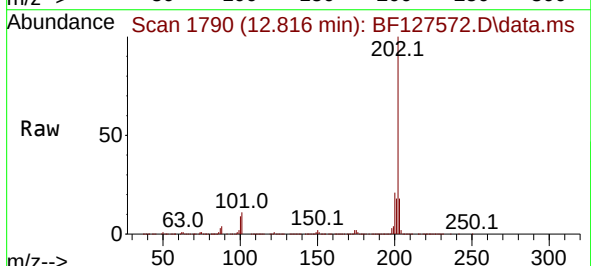
Tgt Ion:202 Resp: 691970

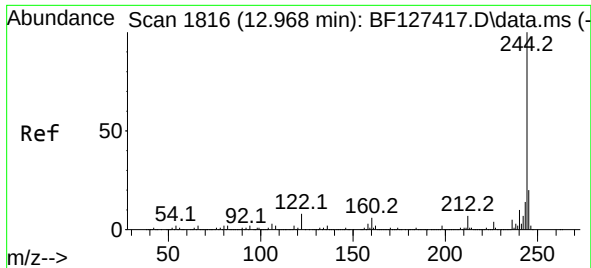
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.7 14.3 21.5

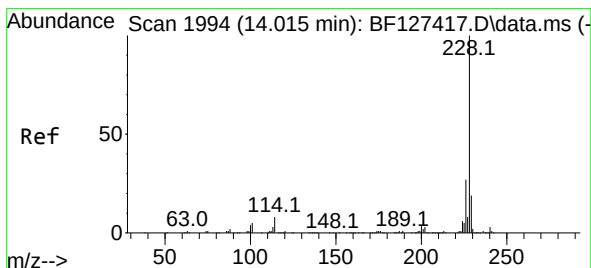
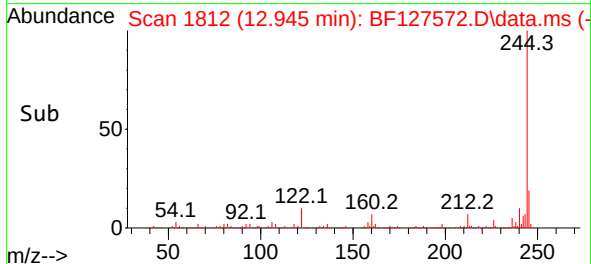
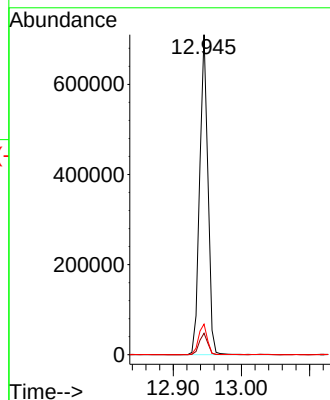
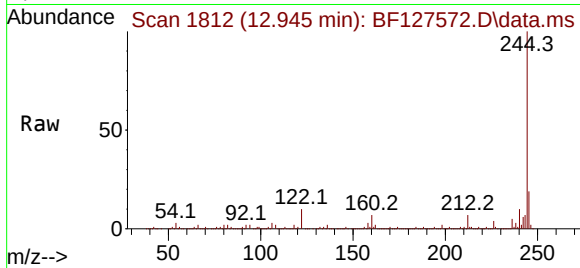




#79
 Terphenyl-d14
 Concen: 49.299 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25

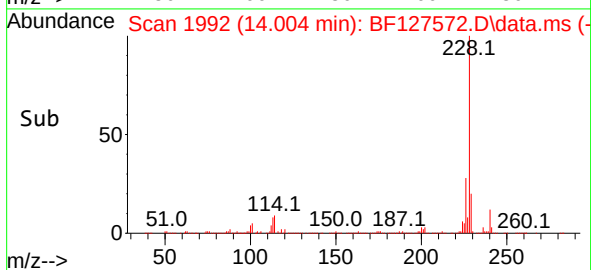
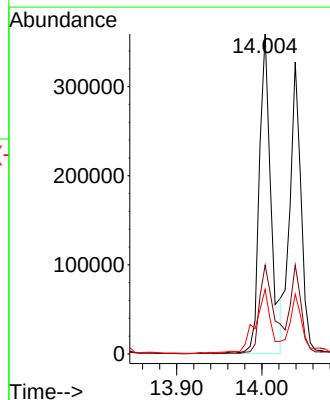
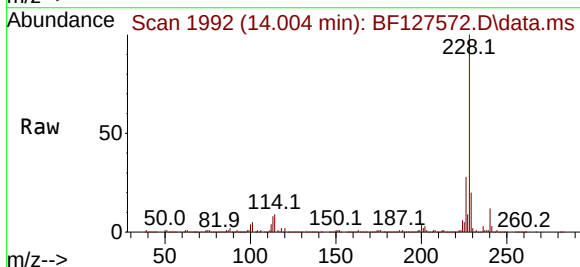
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-9.0-10.0

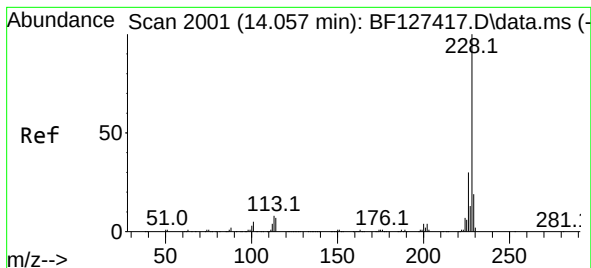
Tgt Ion:244 Resp: 595704
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 9.5 6.2 9.2#



#81
 Benzo(a)anthracene
 Concen: 25.747 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.000 min
 Lab File: BF127572.D
 Acq: 29 Mar 2022 18:25

Tgt Ion:228 Resp: 340591
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 20.1 15.4 23.2





#83

Chrysene

Concen: 23.709 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

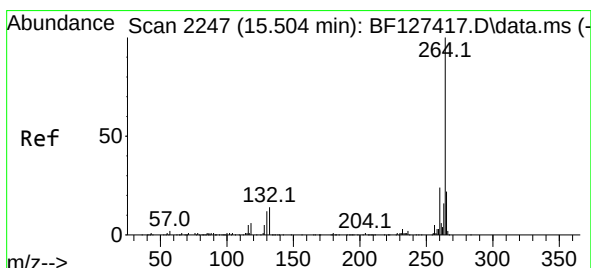
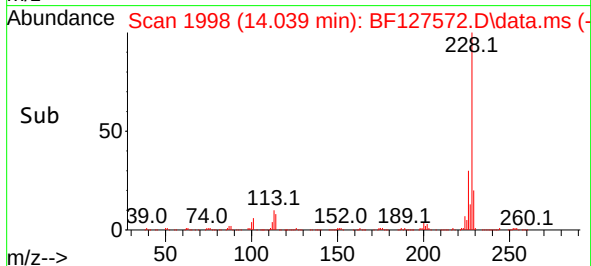
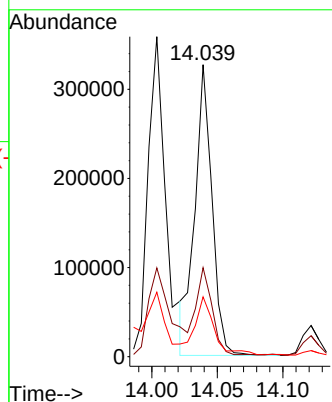
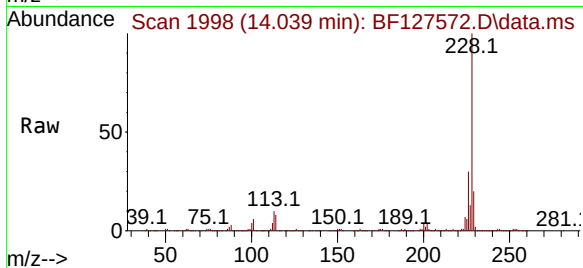
Tgt Ion:228 Resp: 297000

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.4

229 20.5 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2246

Delta R.T. 0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

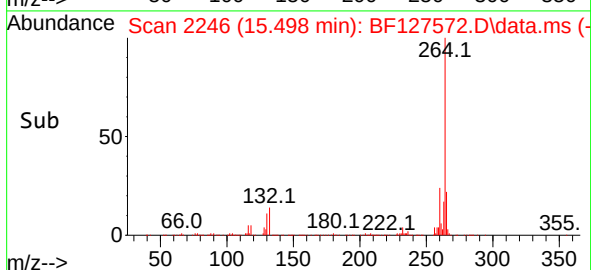
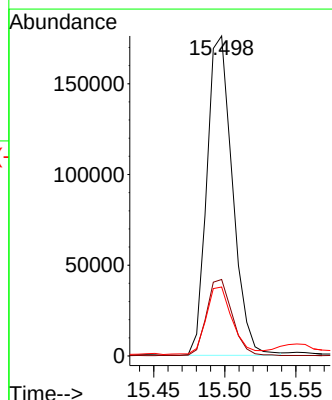
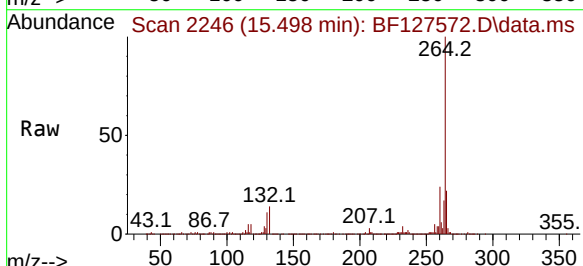
Tgt Ion:264 Resp: 221082

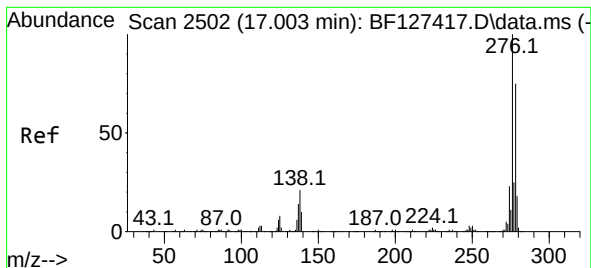
Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.283 ng

RT: 17.004 min Scan# 2172

Delta R.T. 0.012 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

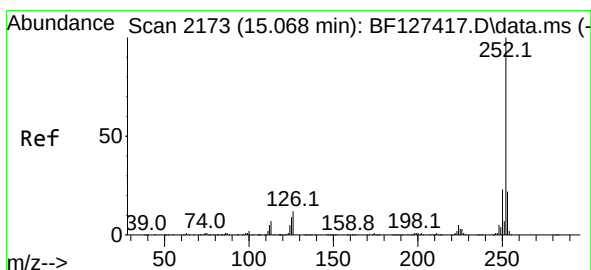
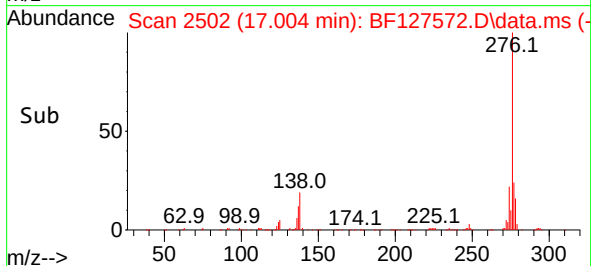
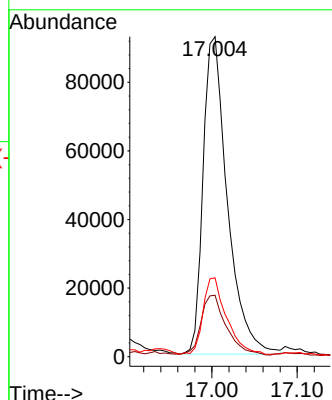
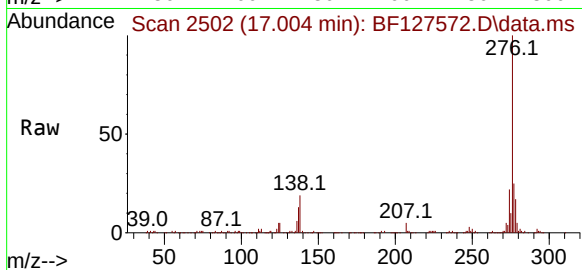
Tgt Ion:276 Resp: 183754

Ion Ratio Lower Upper

276 100

138 19.5 17.1 25.7

277 23.0 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 39.074 ng

RT: 15.063 min Scan# 2172

Delta R.T. 0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

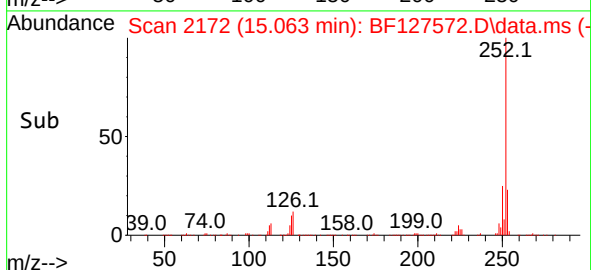
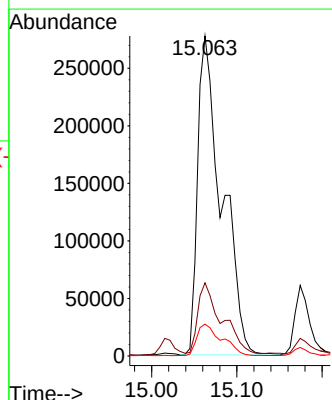
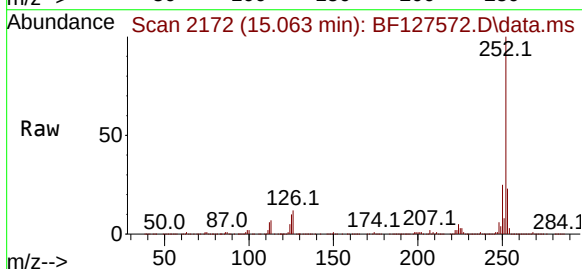
Tgt Ion:252 Resp: 544685

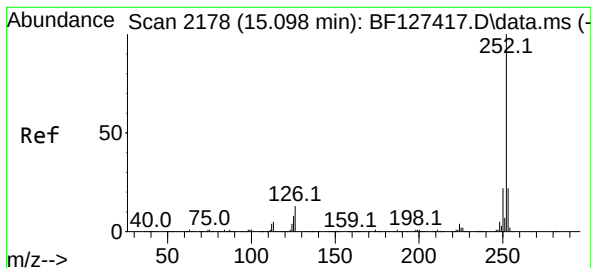
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 9.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 37.692 ng

RT: 15.063 min Scan# 2172

Delta R.T. -0.023 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0

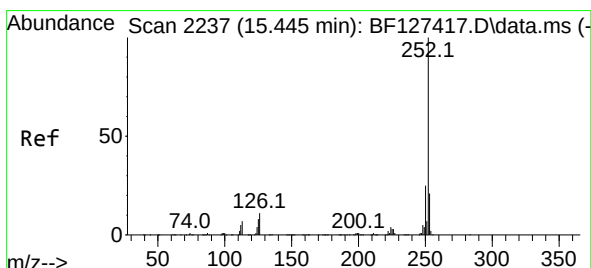
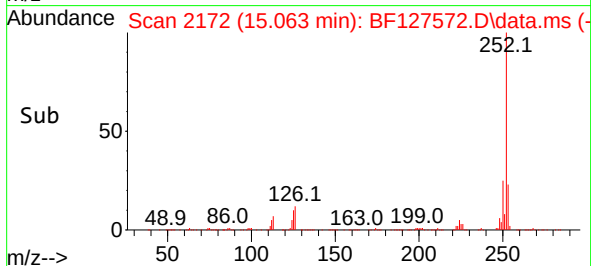
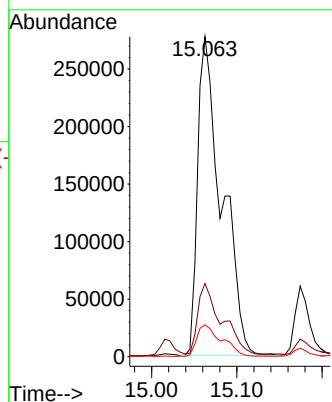
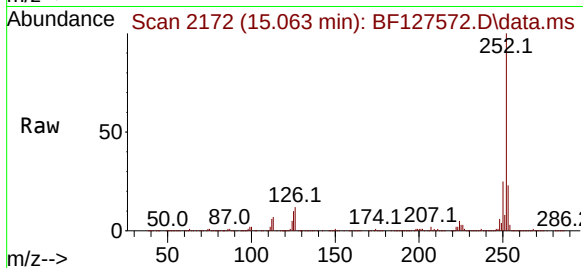
Tgt Ion:252 Resp: 544685

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 9.9 6.9 10.3



#90

Benzo(a)pyrene

Concen: 28.043 ng

RT: 15.433 min Scan# 2235

Delta R.T. 0.006 min

Lab File: BF127572.D

Acq: 29 Mar 2022 18:25

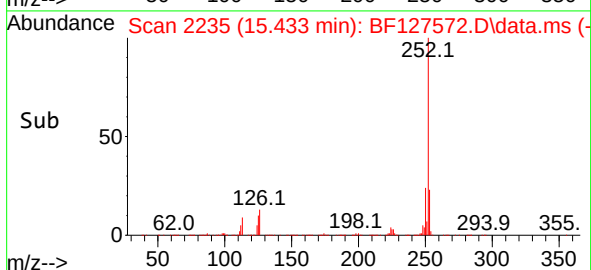
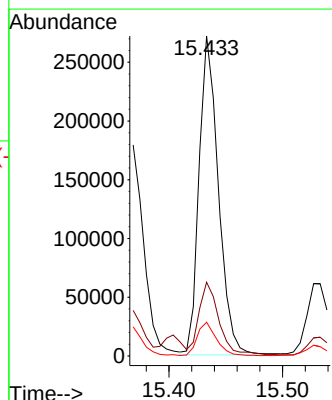
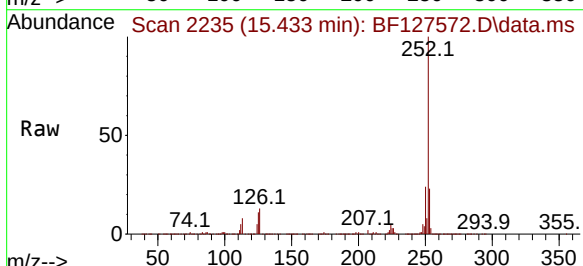
Tgt Ion:252 Resp: 320811

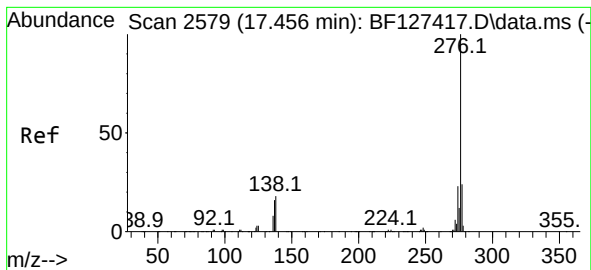
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 10.5 6.7 10.1#





#92

Benzo(g,h,i)perylene

Concen: 12.547 ng

RT: 17.456 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF127572.D

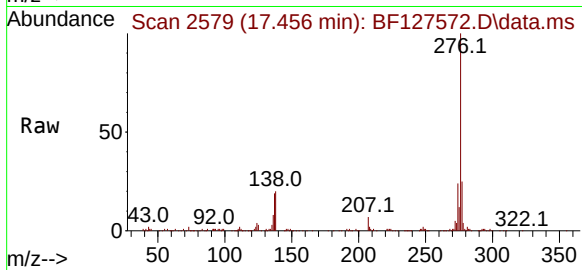
Acq: 29 Mar 2022 18:25

Instrument :

BNA_F

ClientSampleId :

SB-13-9.0-10.0



Tgt Ion:276 Resp: 160174

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 20.4 14.6 22.0

