

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040122\
 Data File : BF127628.D
 Acq On : 01 Apr 2022 22:54
 Operator : CG\JU
 Sample : N2217-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1S

Quant Time: Apr 01 23:55:04 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)

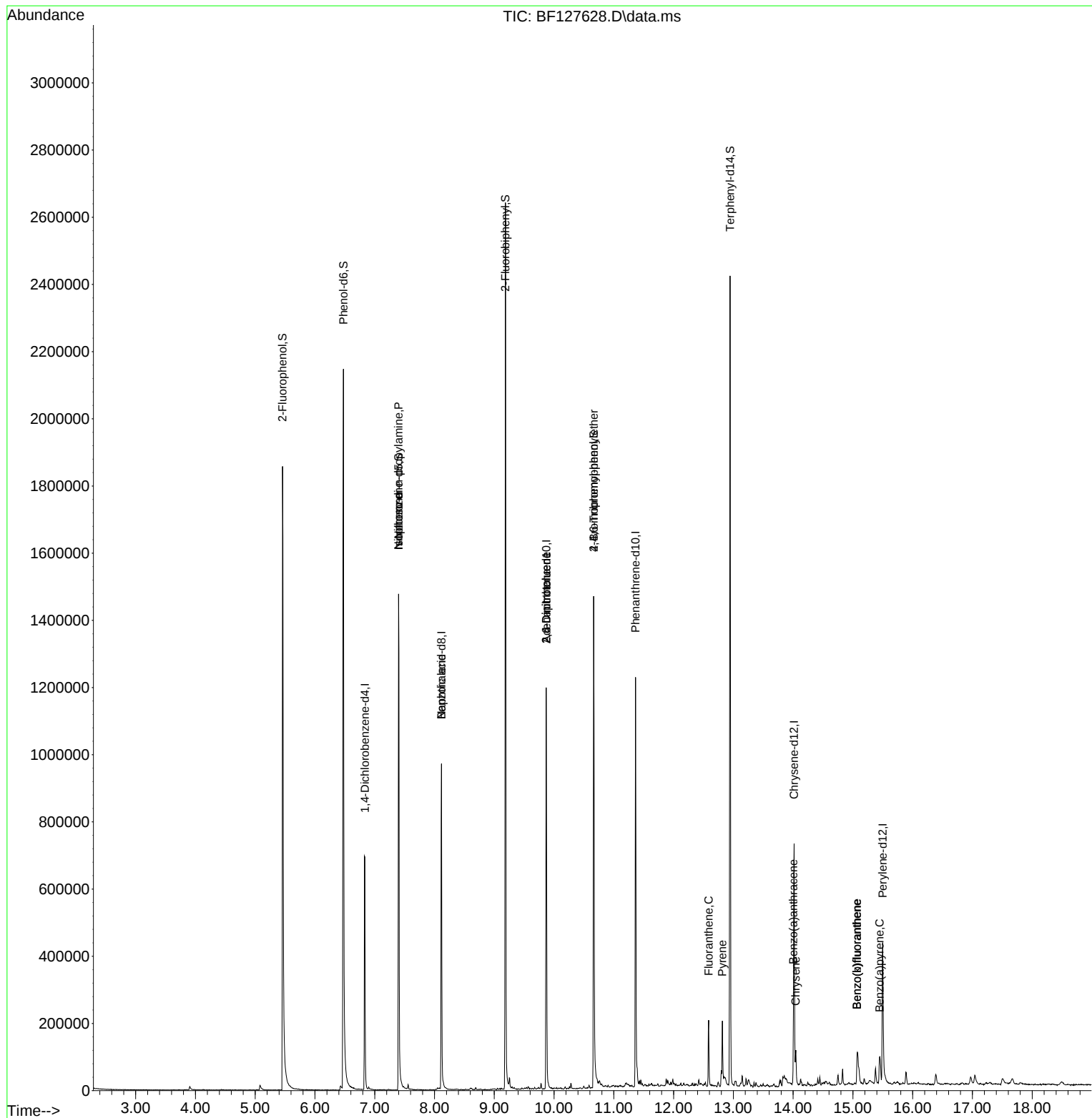
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	107699	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	408440	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	236371	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	419913	20.000	ng	0.00
76) Chrysene-d12	14.016	240	244469	20.000	ng	0.00
86) Perylene-d12	15.498	264	210881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	534364	79.199	ng	0.00
7) Phenol-d6	6.475	99	736969	79.907	ng	0.00
23) Nitrobenzene-d5	7.398	82	493146	51.611	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	172318	68.436	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	791459	48.894	ng	0.00
79) Terphenyl-d14	12.945	244	784221	52.513	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.428	77	5531	Below Cal		97
19) n-Nitroso-di-n-propyla...	7.398	70	65010	11.759 ng	#	82
25) Isophorone	7.398	82	493141	32.404 ng	#	70
32) Benzoic acid	8.116	122	69	6.061 ng	#	1
51) 2,6-Dinitrotoluene	9.869	165	30585	8.861 ng	#	17
55) Dibenzofuran	10.092	168	618	Below Cal	#	65
57) 2,4-Dinitrotoluene	9.869	165	30585	6.884 ng	#	14
58) Fluorene	10.434	166	900	Below Cal	#	86
67) 4-Bromophenyl-phenylether	10.663	248	11969	2.441 ng	#	1
75) Fluoranthene	12.586	202	82159	3.412 ng		98
78) Pyrene	12.816	202	77623	3.700 ng		99
81) Benzo(a)anthracene	14.004	228	43562	2.665 ng		97
83) Chrysene	14.045	228	40292	2.603 ng		95
88) Benzo(b)fluoranthene	15.069	252	68407	5.145 ng		97
89) Benzo(k)fluoranthene	15.069	252	68407	4.963 ng		98
90) Benzo(a)pyrene	15.445	252	37120	3.402 ng	#	95

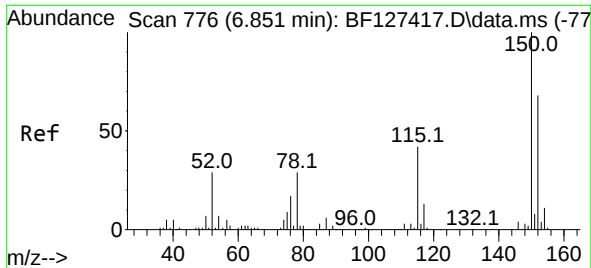
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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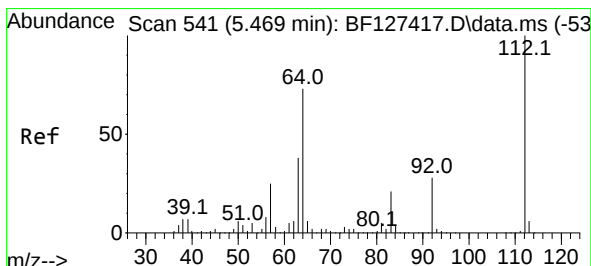
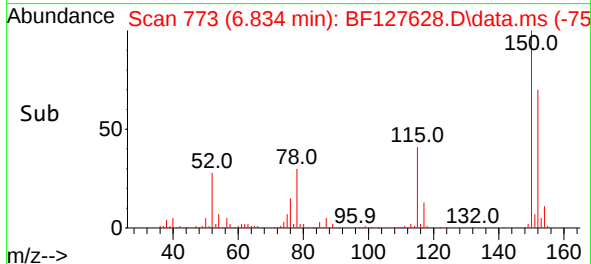
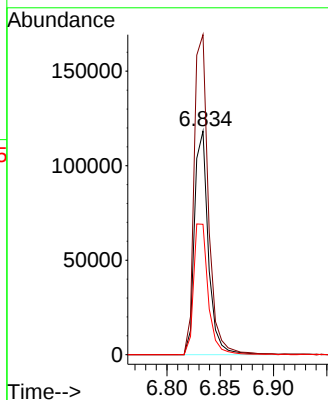
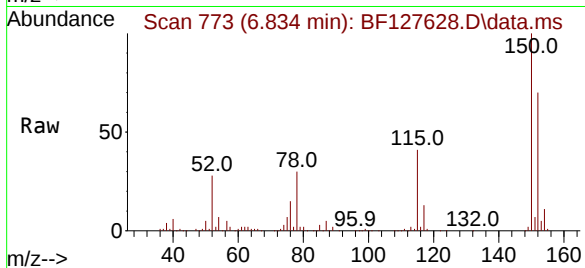




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

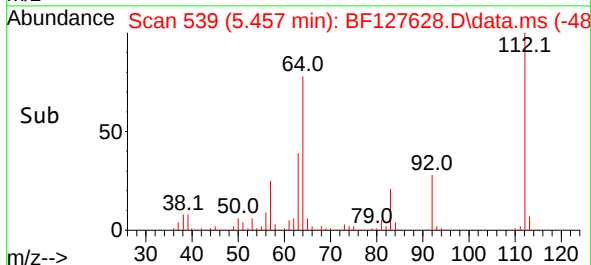
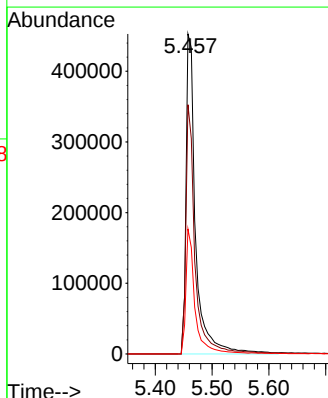
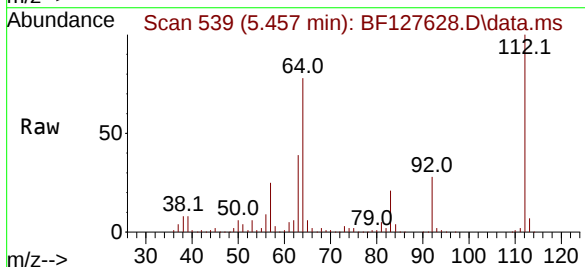
Instrument :
BNA_F
ClientSampleId :
SB-1S

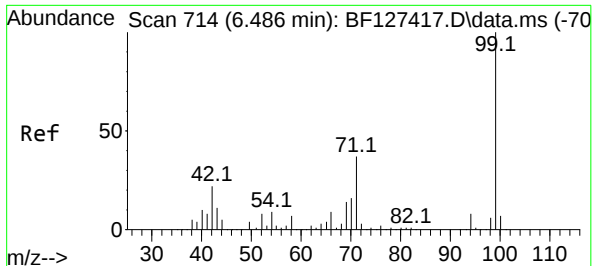
Tgt Ion:152 Resp: 107699
Ion Ratio Lower Upper
152 100
150 143.2 117.2 175.8
115 58.4 49.8 74.6



#5
2-Fluorophenol
Concen: 79.199 ng
RT: 5.457 min Scan# 539
Delta R.T. 0.000 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Tgt Ion:112 Resp: 534364
Ion Ratio Lower Upper
112 100
64 77.9 58.4 87.6
63 39.1 30.1 45.1

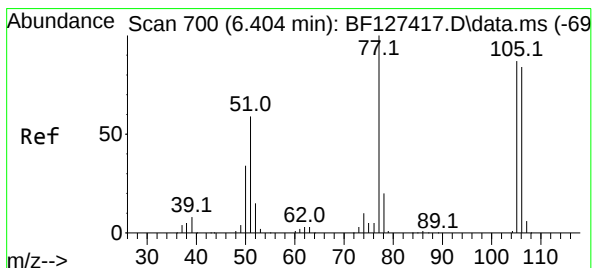
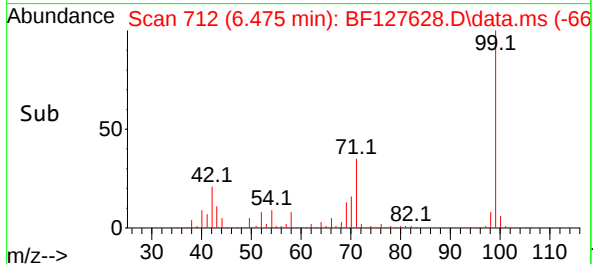
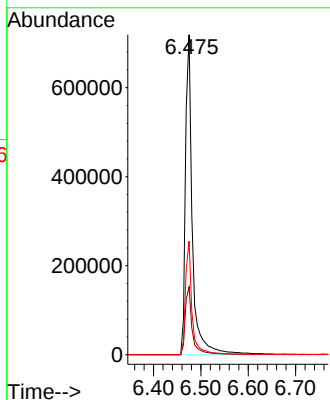
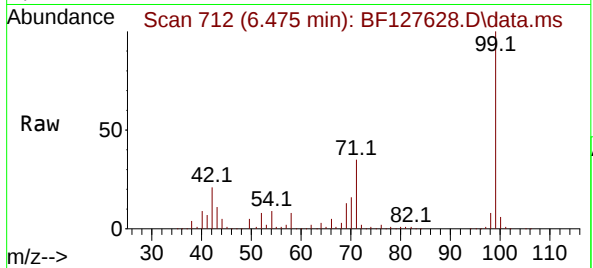




#7
Phenol-d6
Concen: 79.907 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

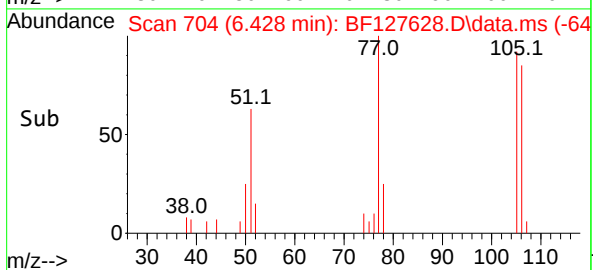
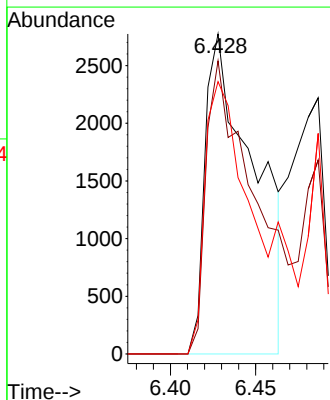
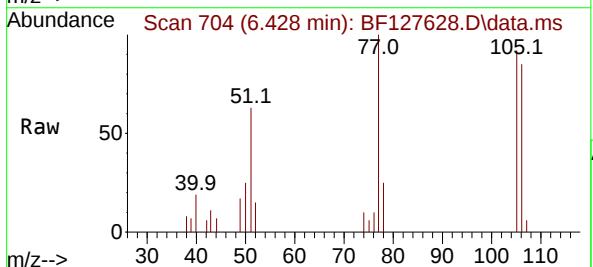
Instrument :
BNA_F
ClientSampleId :
SB-1S

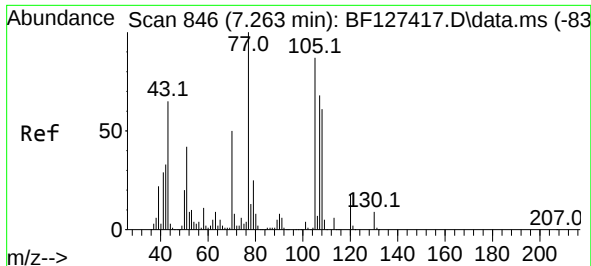
Tgt Ion: 99 Resp: 736969
Ion Ratio Lower Upper
99 100
42 21.2 17.8 26.6
71 35.5 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.428 min Scan# 704
Delta R.T. 0.036 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Tgt Ion: 77 Resp: 5531
Ion Ratio Lower Upper
77 100
105 91.6 66.8 106.8
106 85.1 64.3 104.3





#19

n-Nitroso-di-n-propylamine

Concen: 11.759 ng

RT: 7.398 min Scan# 8

Delta R.T. 0.147 min

Lab File: BF127628.D

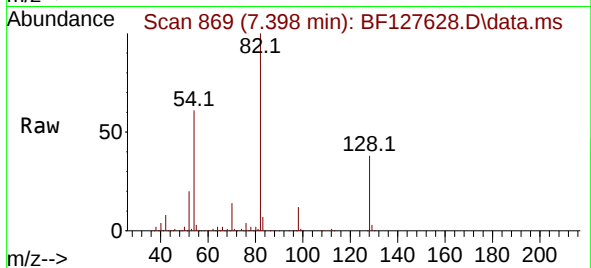
Acq: 01 Apr 2022 22:54

Instrument :

BNA_F

ClientSampleId :

SB-1S



Tgt Ion: 70 Resp: 65010

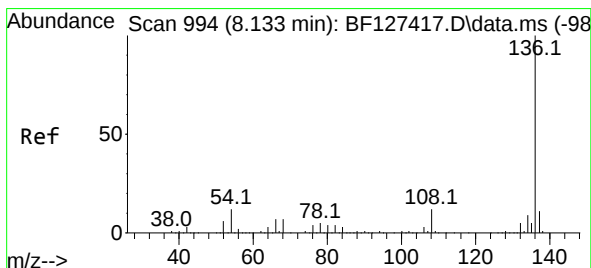
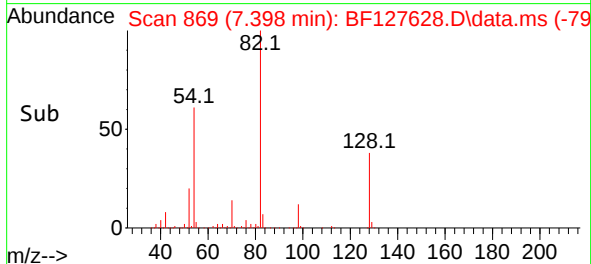
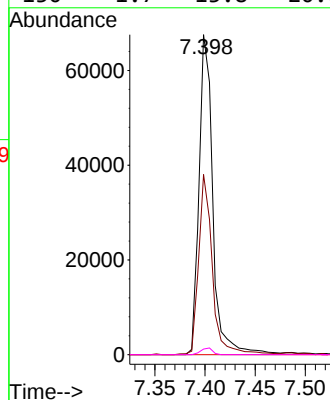
Ion Ratio Lower Upper

70 100

42 56.3 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: BF127628.D

Acq: 01 Apr 2022 22:54

Tgt Ion: 136 Resp: 408440

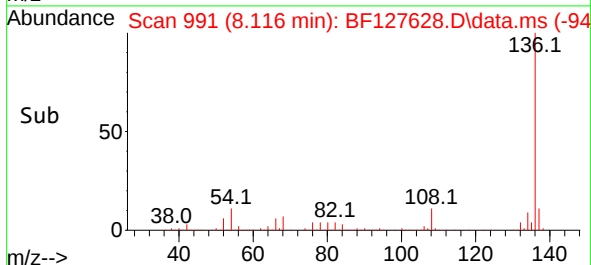
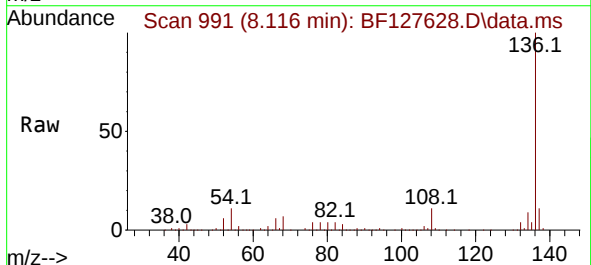
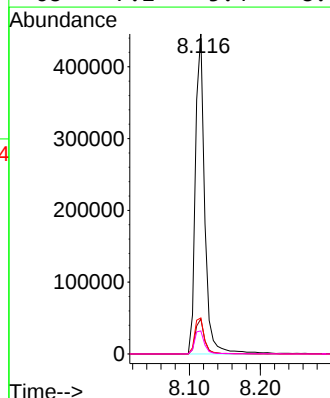
Ion Ratio Lower Upper

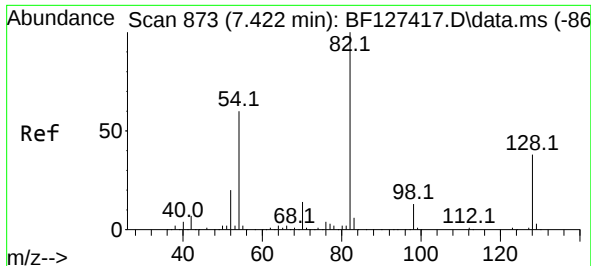
136 100

137 10.9 8.6 13.0

54 11.3 9.2 13.8

68 7.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 51.611 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.011 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

Instrument :

BNA_F

ClientSampleId :

SB-1S

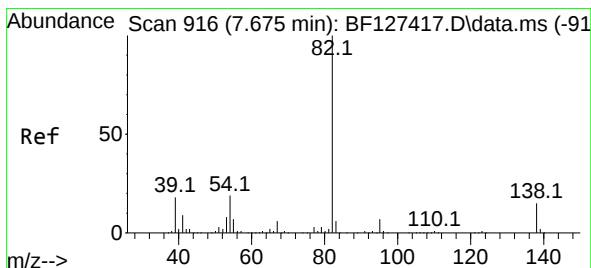
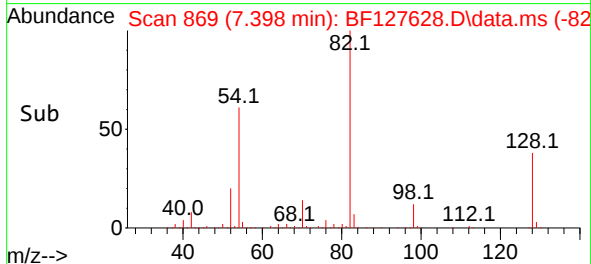
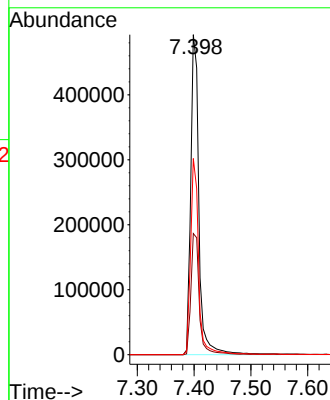
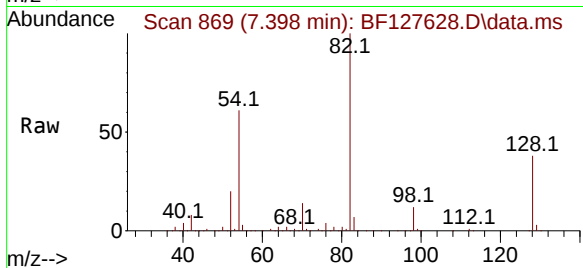
Tgt Ion: 82 Resp: 493146

Ion Ratio Lower Upper

82 100

128 37.9 30.6 45.8

54 61.3 48.2 72.2



#25

Isophorone

Concen: 32.404 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.264 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

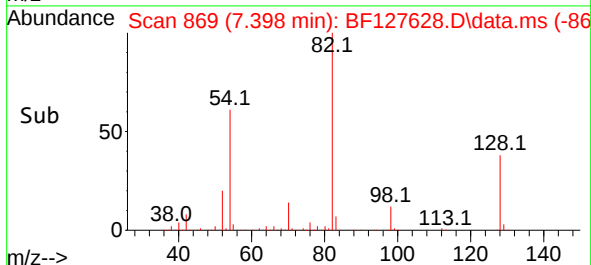
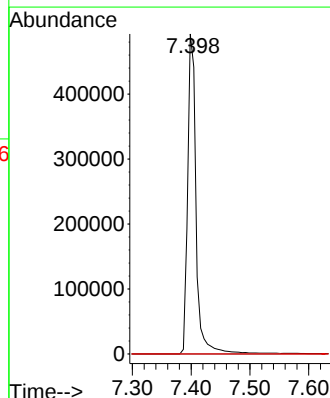
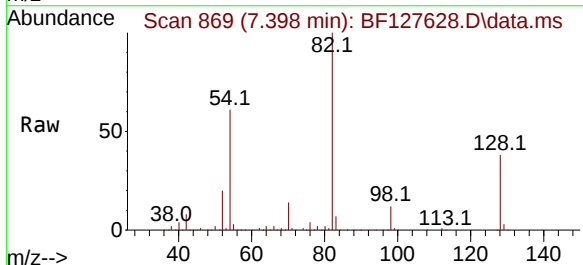
Tgt Ion: 82 Resp: 493141

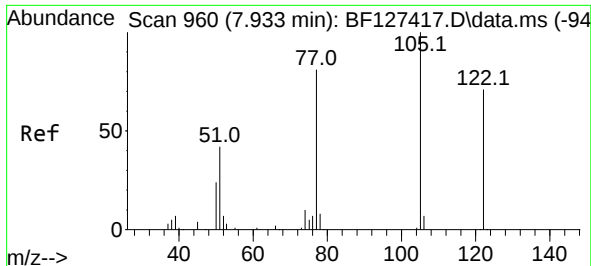
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#32

Benzoic acid

Concen: 6.061 ng

RT: 8.116 min Scan# 91

Delta R.T. 0.189 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

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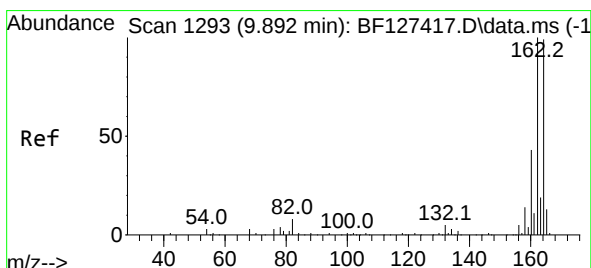
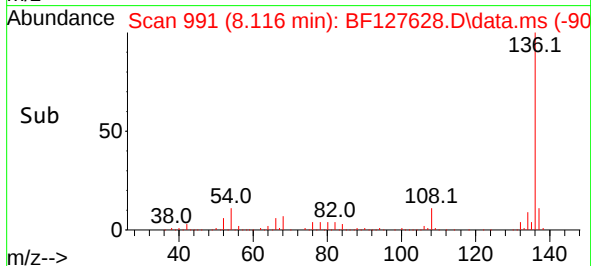
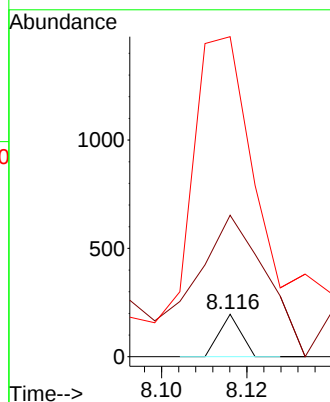
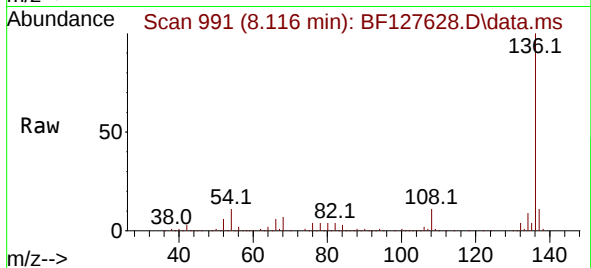
Tgt Ion:122 Resp: 69

Ion Ratio Lower Upper

122 100

105 333.2 117.1 157.1#

77 753.6 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: BF127628.D

Acq: 01 Apr 2022 22:54

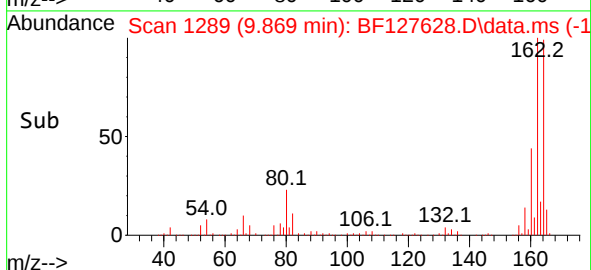
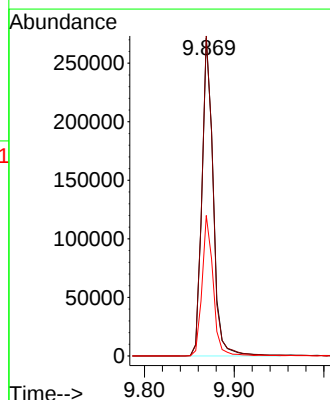
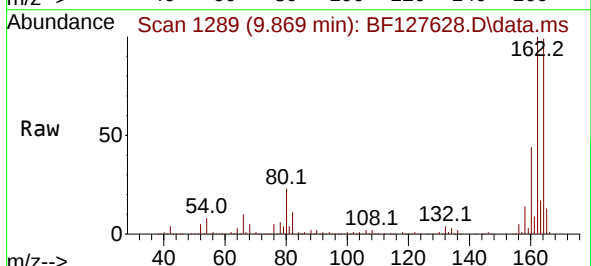
Tgt Ion:164 Resp: 236371

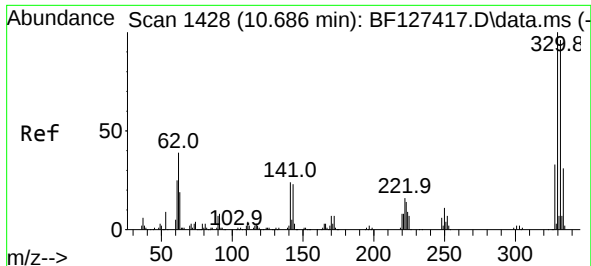
Ion Ratio Lower Upper

164 100

162 100.7 81.2 121.8

160 44.2 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 68.436 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF127628.D

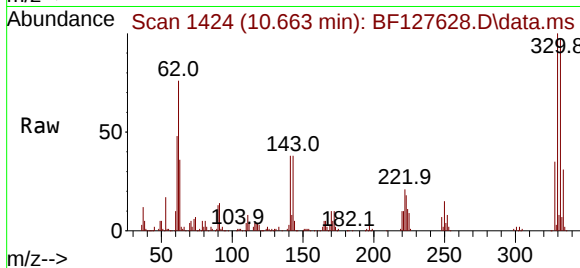
Acq: 01 Apr 2022 22:54

Instrument :

BNA_F

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SB-1S



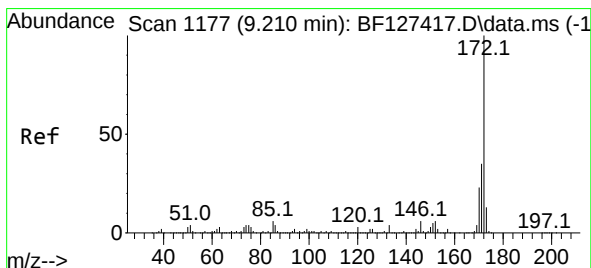
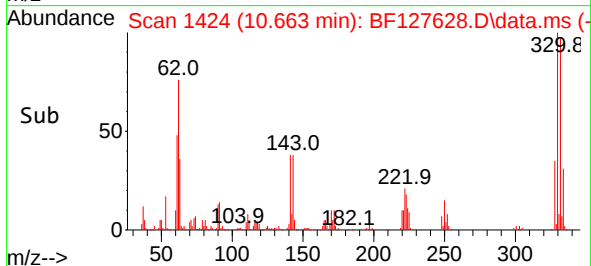
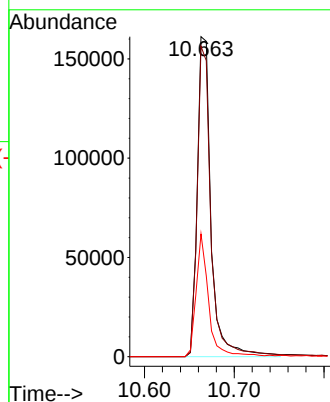
Tgt Ion:330 Resp: 172318

Ion Ratio Lower Upper

330 100

332 97.9 79.1 118.7

141 34.8 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 48.894 ng

RT: 9.187 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

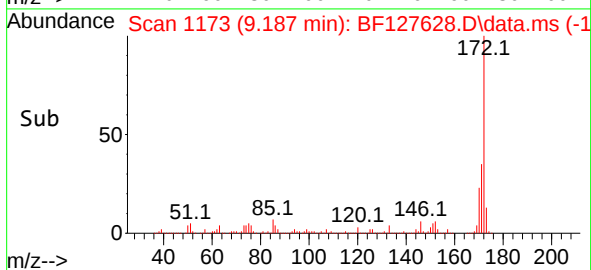
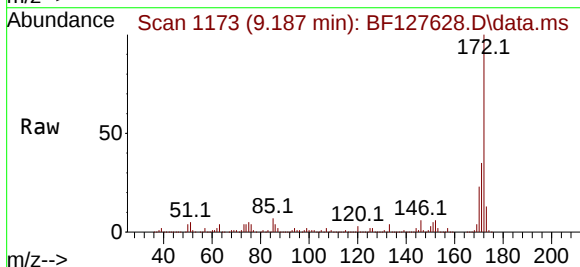
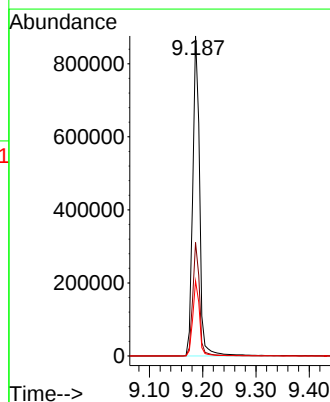
Tgt Ion:172 Resp: 791459

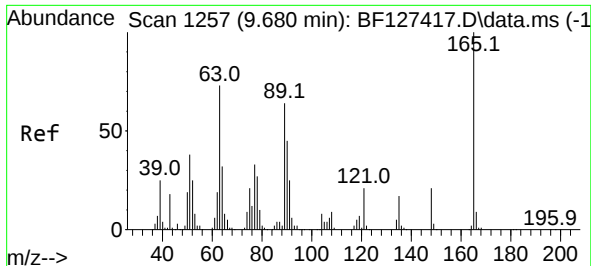
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.4 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.861 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

Instrument :

BNA_F

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SB-1S

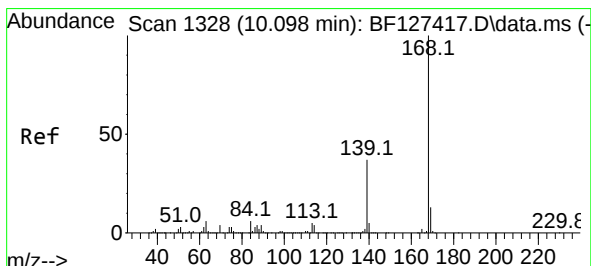
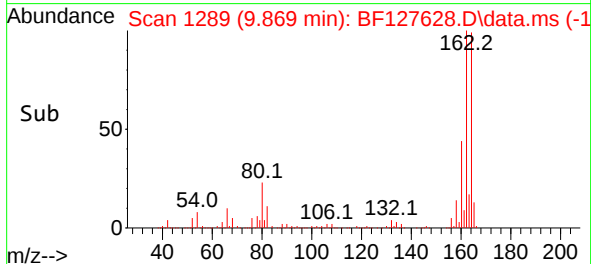
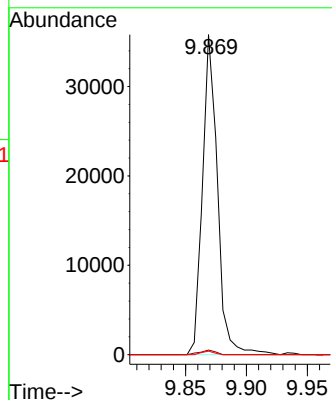
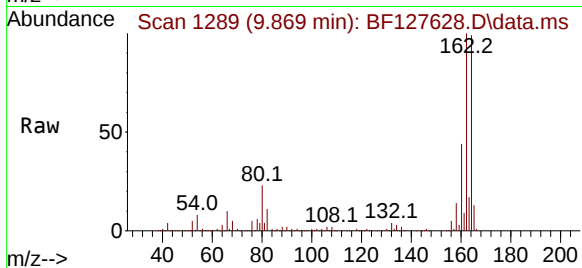
Tgt Ion:165 Resp: 30585

Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.1 51.5 77.3#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.092 min Scan# 1327

Delta R.T. 0.012 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

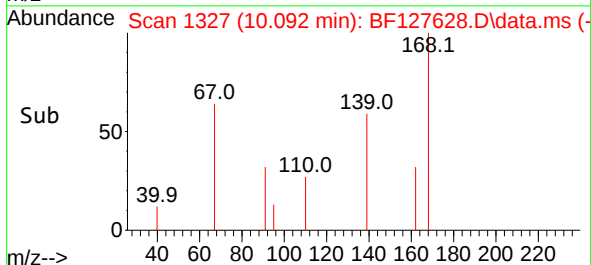
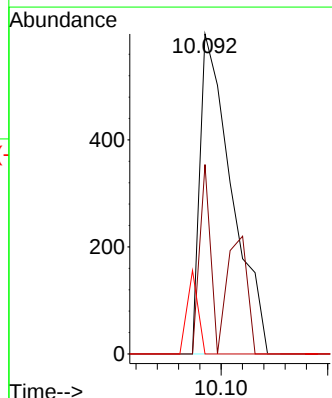
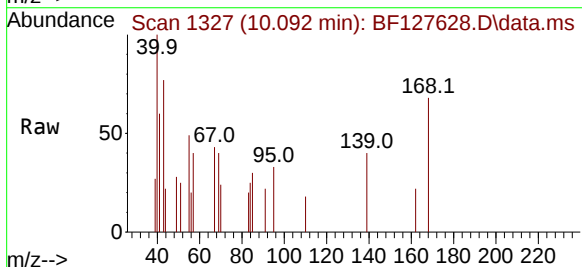
Tgt Ion:168 Resp: 618

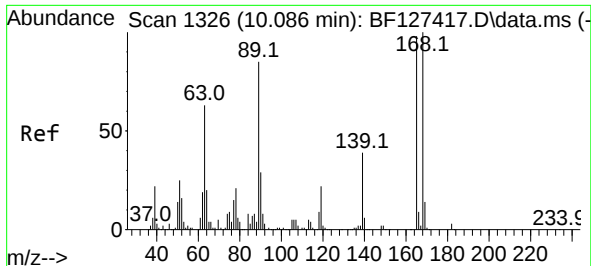
Ion Ratio Lower Upper

168 100

139 59.2 30.3 45.5#

169 0.0 10.8 16.2#

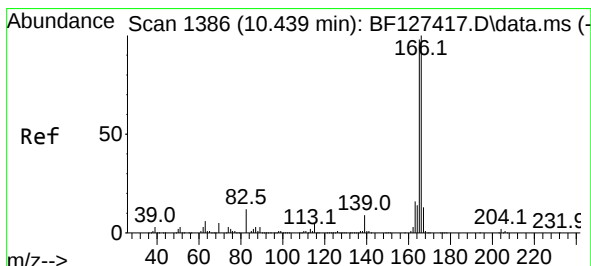
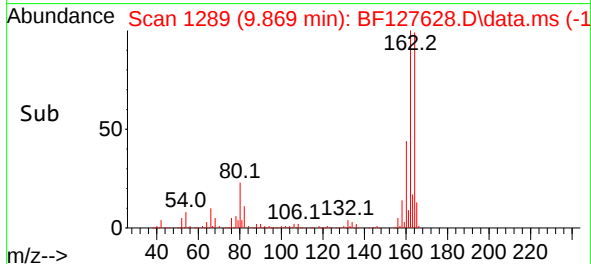
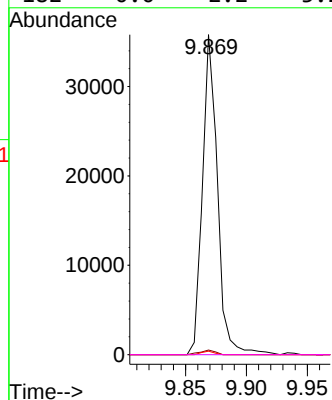
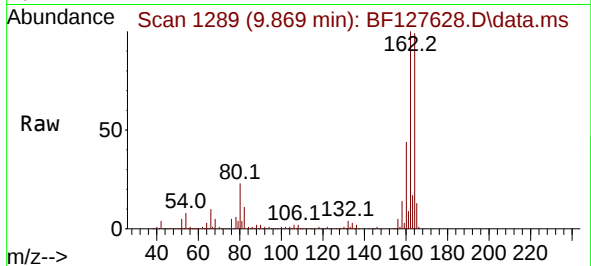




#57
2,4-Dinitrotoluene
Concen: 6.884 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

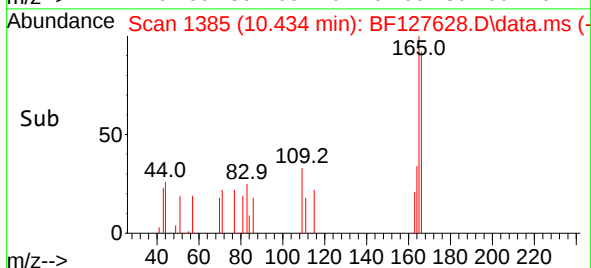
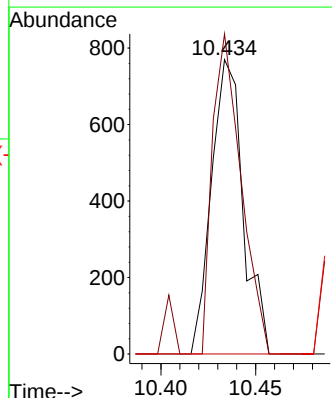
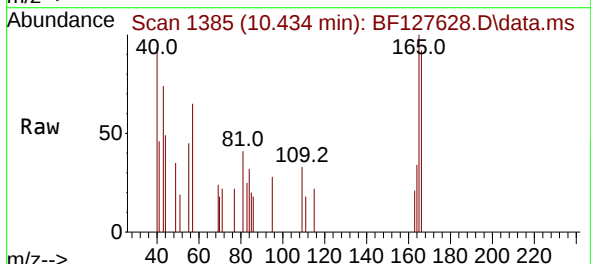
Instrument :
BNA_F
ClientSampleId :
SB-1S

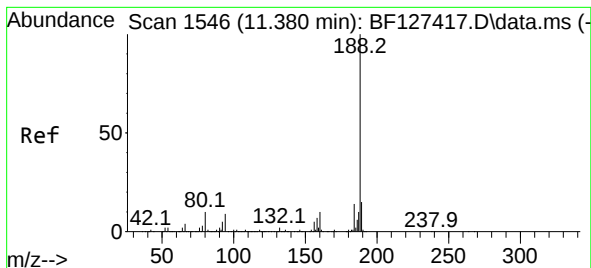
Tgt Ion:165 Resp: 30585
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 1.1 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.434 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Tgt Ion:166 Resp: 900
Ion Ratio Lower Upper
166 100
165 108.7 78.1 117.1
167 0.0 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

Instrument :

BNA_F

ClientSampleId :

SB-1S

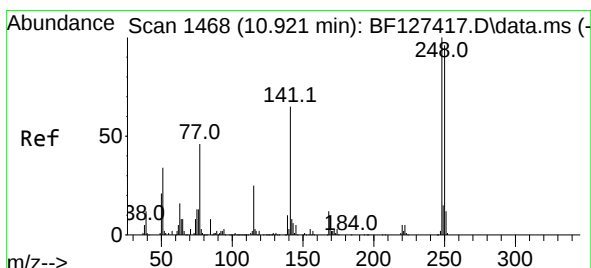
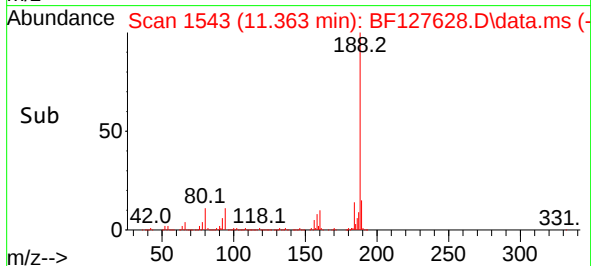
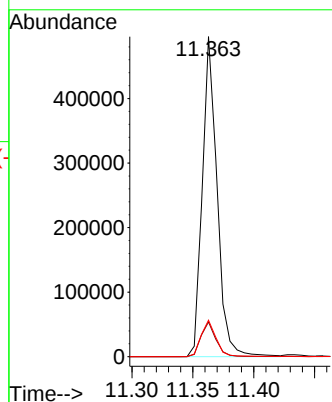
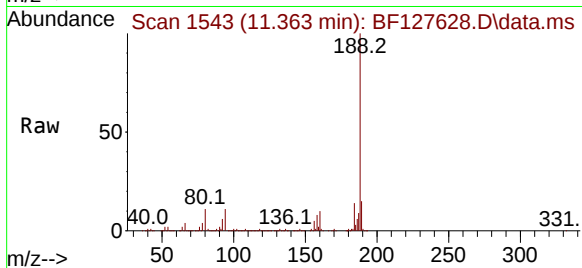
Tgt Ion:188 Resp: 419913

Ion Ratio Lower Upper

188 100

94 10.9 7.4 11.0

80 11.4 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 2.441 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.241 min

Lab File: BF127628.D

Acq: 01 Apr 2022 22:54

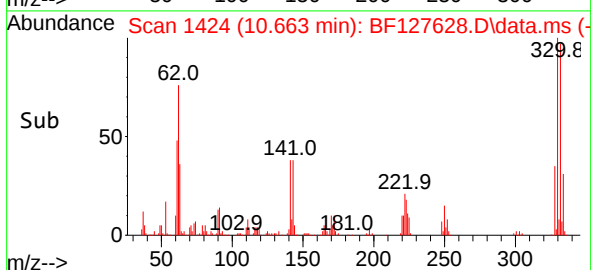
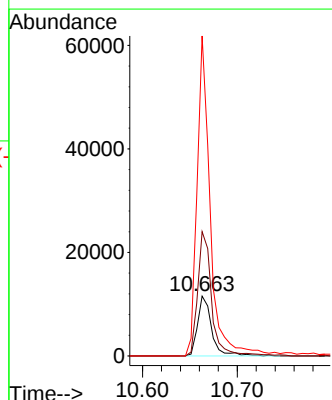
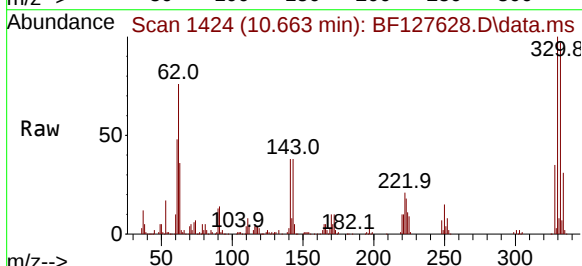
Tgt Ion:248 Resp: 11969

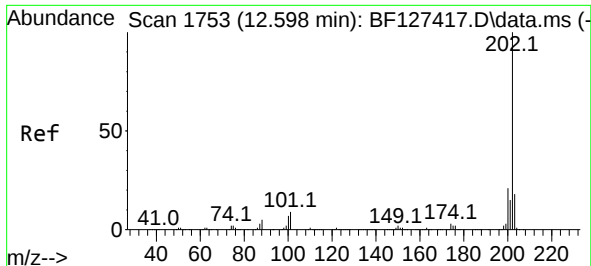
Ion Ratio Lower Upper

248 100

250 207.4 76.6 115.0#

141 534.0 52.2 78.2#

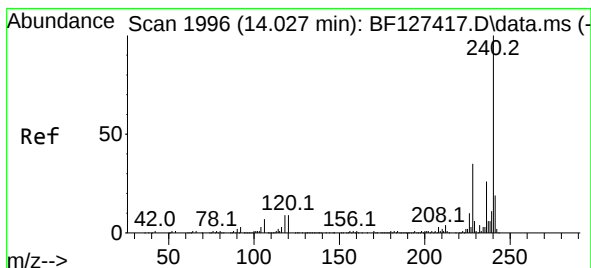
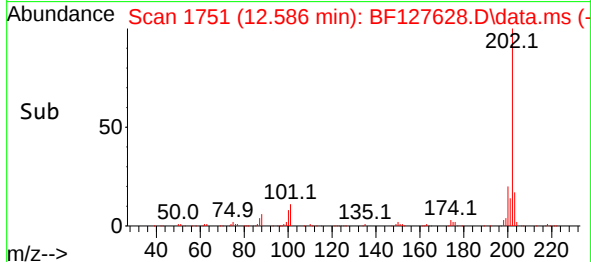
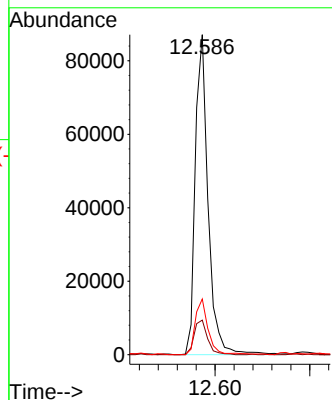
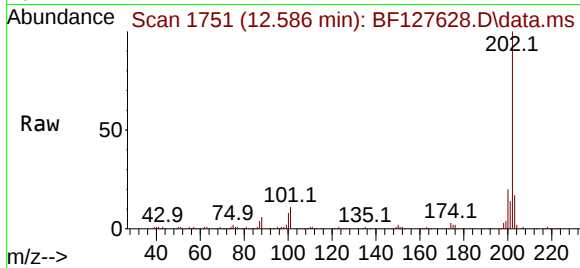




#75
Fluoranthene
Concen: 3.412 ng
RT: 12.586 min Scan# 1751
Delta R.T. 0.006 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

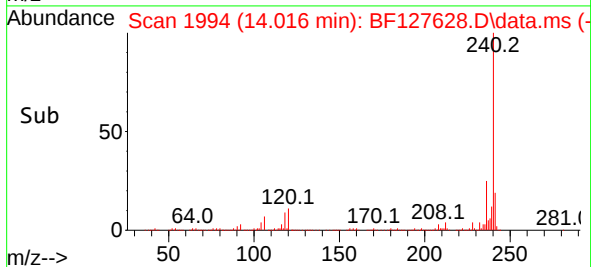
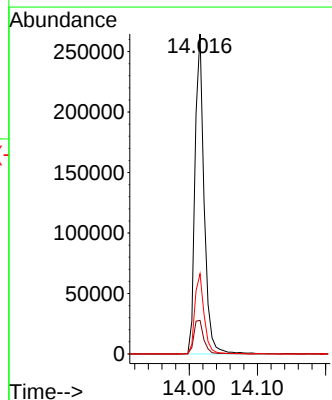
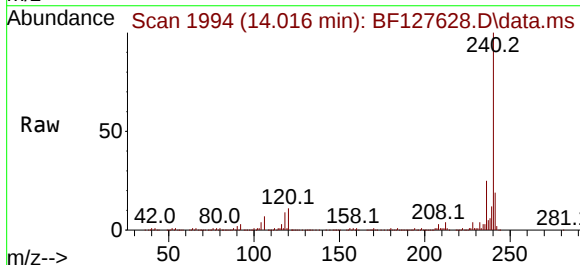
Instrument :
BNA_F
ClientSampleId :
SB-1S

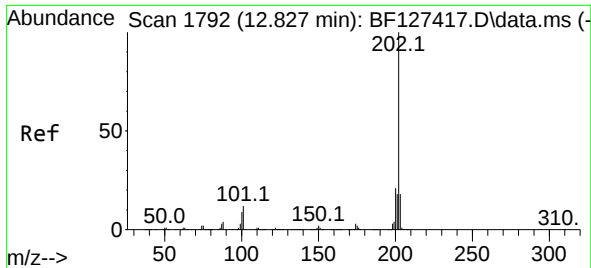
Tgt Ion:202 Resp: 82159
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Tgt Ion:240 Resp: 244469
Ion Ratio Lower Upper
240 100
120 10.5 7.1 10.7
236 25.1 20.7 31.1

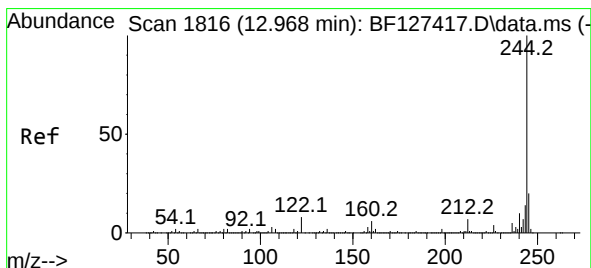
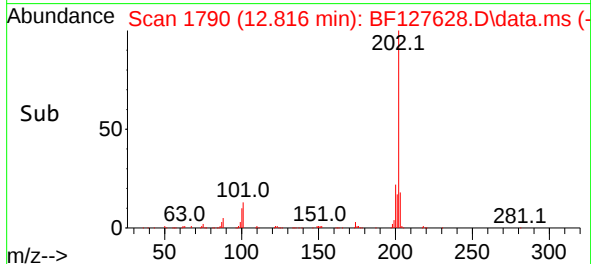
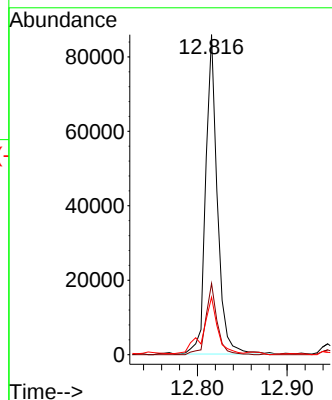
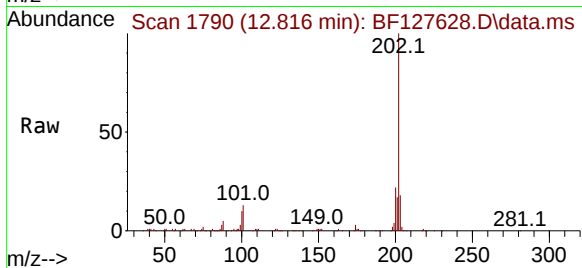




#78
 Pyrene
 Concen: 3.700 ng
 RT: 12.816 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127628.D
 Acq: 01 Apr 2022 22:54

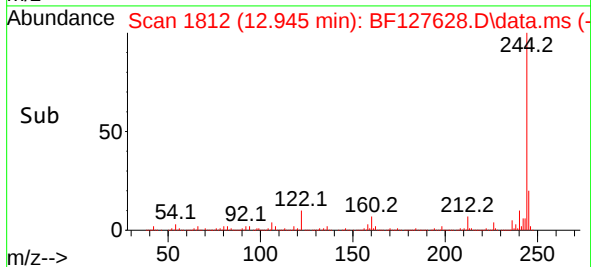
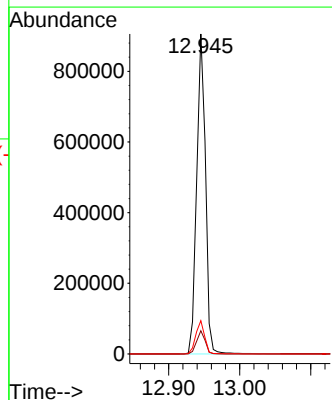
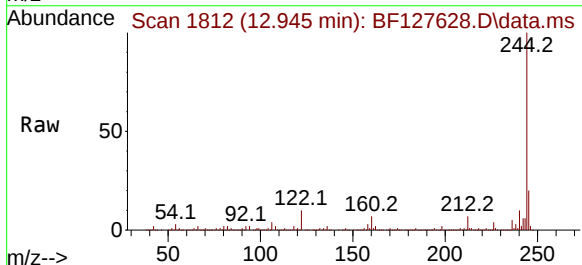
Instrument :
 BNA_F
 ClientSampleId :
 SB-1S

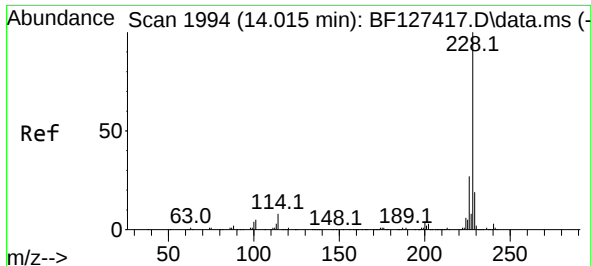
Tgt Ion:202 Resp: 77623
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.1 25.7
 203 18.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 52.513 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF127628.D
 Acq: 01 Apr 2022 22:54

Tgt Ion:244 Resp: 784221
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 10.4 6.2 9.2#

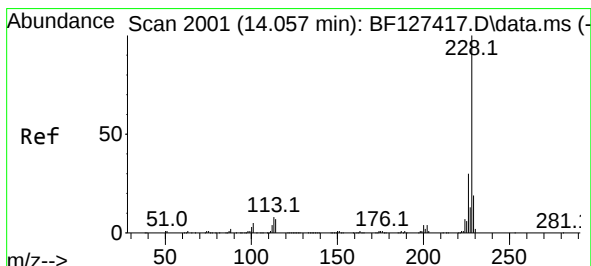
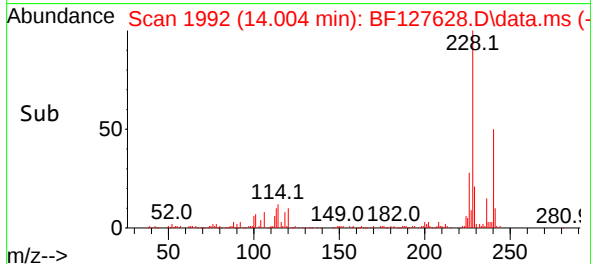
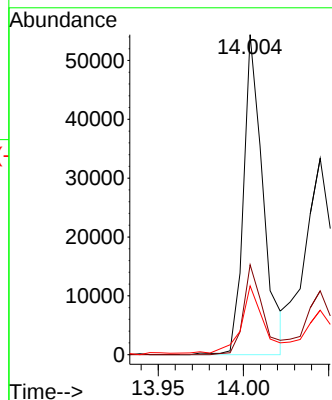
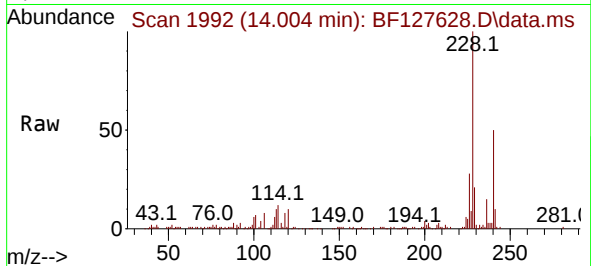




#81
Benzo(a)anthracene
Concen: 2.665 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

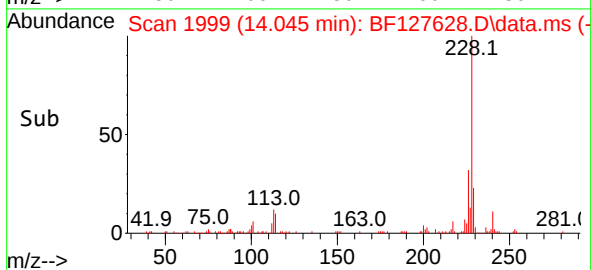
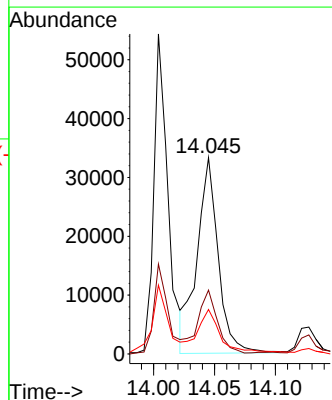
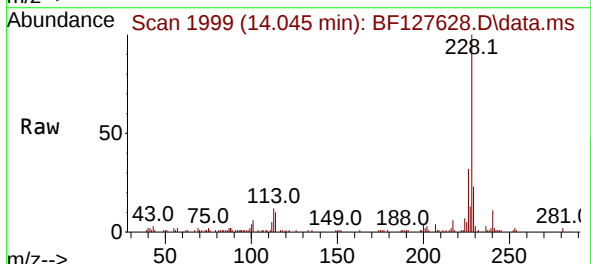
Instrument :
BNA_F
ClientSampleId :
SB-1S

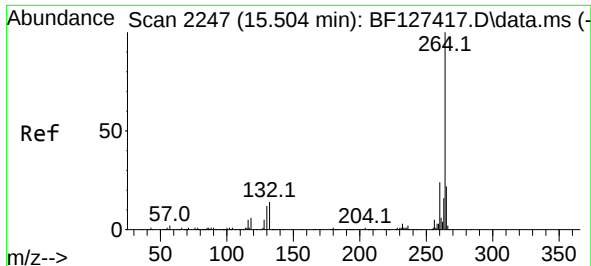
Tgt Ion:228 Resp: 43562
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 21.5 15.4 23.2



#83
Chrysene
Concen: 2.603 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Tgt Ion:228 Resp: 40292
Ion Ratio Lower Upper
228 100
226 32.5 24.2 36.4
229 22.7 15.4 23.2

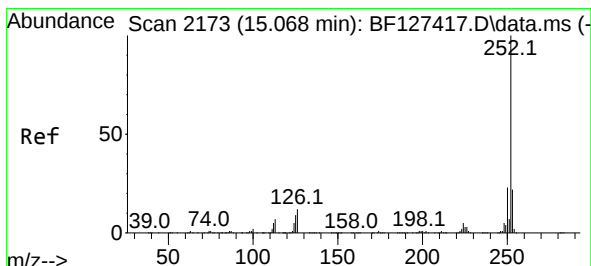
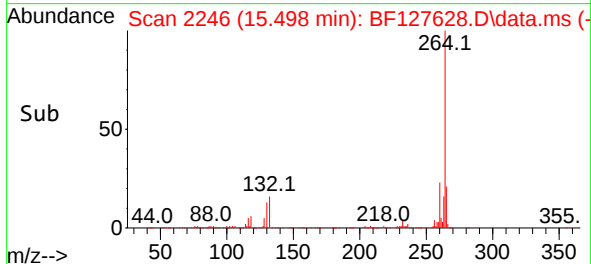
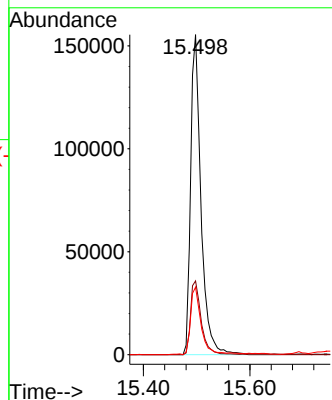
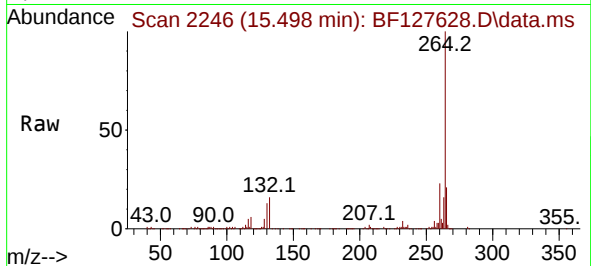




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 210881
 Delta R.T. 0.006 min
 Lab File: BF127628.D
 Acq: 01 Apr 2022 22:54

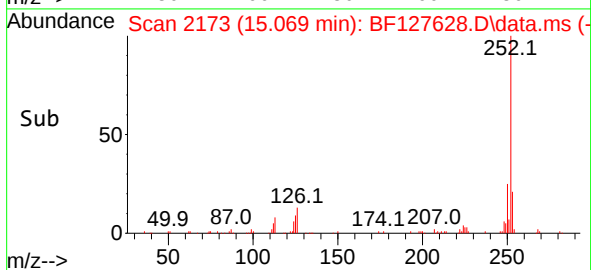
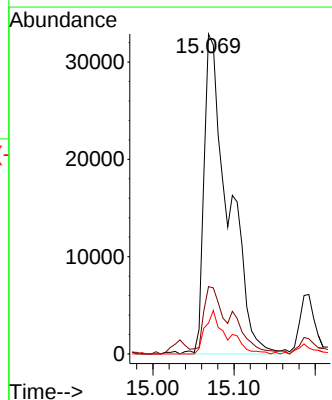
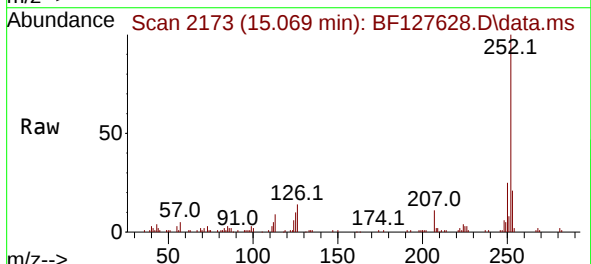
Instrument :
 BNA_F
 ClientSampleId :
 SB-1S

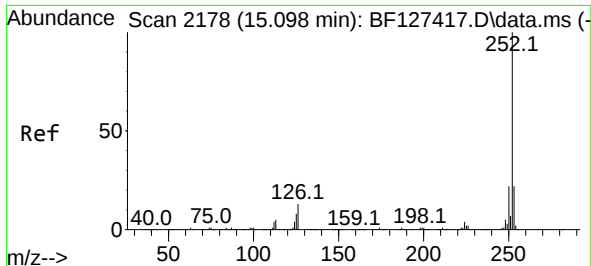
Tgt Ion:264 Resp: 210881
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.1 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 5.145 ng
 RT: 15.069 min Scan# 2173
 Delta R.T. 0.012 min
 Lab File: BF127628.D
 Acq: 01 Apr 2022 22:54

Tgt Ion:252 Resp: 68407
 Ion Ratio Lower Upper
 252 100
 253 21.0 17.9 26.9
 125 9.7 7.0 10.4

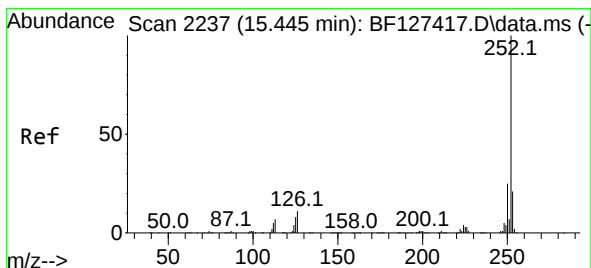
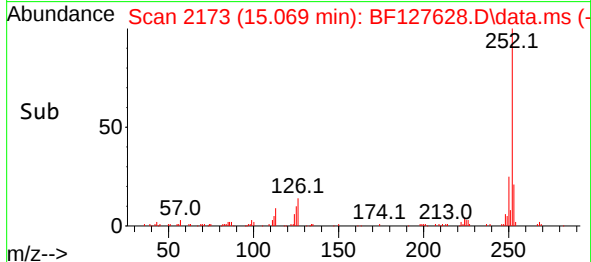
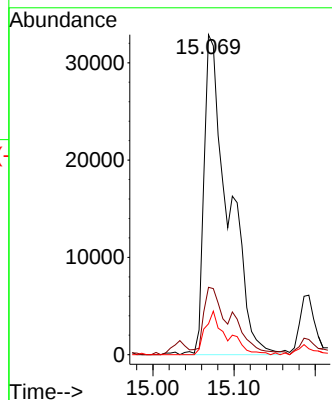
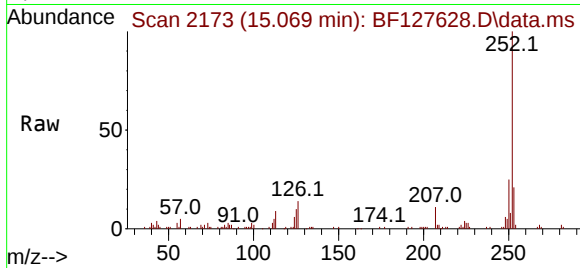




#89
Benzo(k)fluoranthene
Concen: 4.963 ng
RT: 15.069 min Scan# 2173
Delta R.T. -0.017 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Instrument :
BNA_F
ClientSampleId :
SB-1S

Tgt Ion:252 Resp: 68407
Ion Ratio Lower Upper
252 100
253 21.0 17.3 25.9
125 9.7 6.9 10.3



#90
Benzo(a)pyrene
Concen: 3.402 ng
RT: 15.445 min Scan# 2237
Delta R.T. 0.018 min
Lab File: BF127628.D
Acq: 01 Apr 2022 22:54

Tgt Ion:252 Resp: 37120
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 10.8 6.7 10.1#

