

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041222\
 Data File : BF127767.D
 Acq On : 12 Apr 2022 19:31
 Operator : CG\JU
 Sample : N2334-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP040722

Quant Time: Apr 13 07:25:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 07:19:18 2022
 Response via : Initial Calibration

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

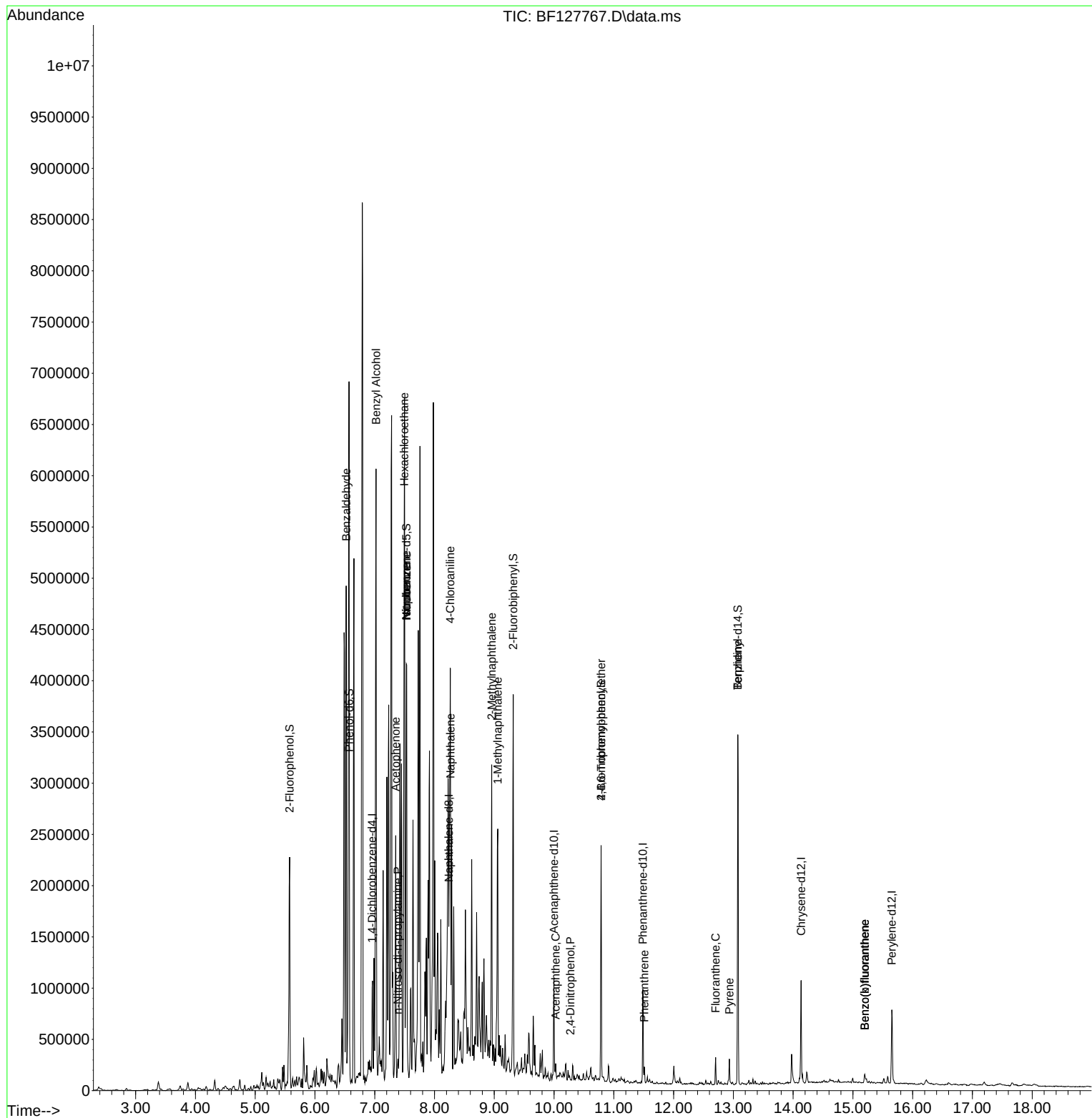
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	102321	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	306109	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	184808	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	311149	20.000	ng	0.00
76) Chrysene-d12	14.133	240	326230	20.000	ng	0.00
86) Perylene-d12	15.651	264	339632	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	315751	50.143	ng	0.00
7) Phenol-d6	6.575	99	201879	24.506	ng	0.00
23) Nitrobenzene-d5	7.528	82	576787	84.002	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	257813	131.094	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1076089	82.372	ng	0.00
79) Terphenyl-d14	13.075	244	1241723	62.827	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.522	77	219231	55.957	ng	# 1
15) Benzyl Alcohol	7.022	79	217379	30.184	ng	# 7
18) Hexachloroethane	7.493	117	397906	141.332	ng	# 1
19) n-Nitroso-di-n-propyla...	7.387	70	13655	2.563	ng	# 54
22) Acetophenone	7.351	105	832940	101.261	ng	# 45
24) Nitrobenzene	7.534	77	63550	9.548	ng	# 10
25) Isophorone	7.528	82	576787	48.141	ng	# 70
31) Naphthalene	8.269	128	740153	46.144	ng	# 96
33) 4-Chloroaniline	8.263	127	128054	20.271	ng	# 43
37) 2-Methylnaphthalene	8.957	142	729854	68.032	ng	99
38) 1-Methylnaphthalene	9.057	142	585191	56.513	ng	98
52) Acenaphthene	10.028	154	21728	2.019	ng	97
54) 2,4-Dinitrophenol	10.275	184	132	5.407	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	16736	4.432	ng	# 1
71) Phenanthrene	11.510	178	51865	3.146	ng	98
75) Fluoranthene	12.704	202	95764	5.323	ng	99
77) Benzidine	13.075	184	18084	2.124	ng	# 93
78) Pyrene	12.933	202	96735	3.512	ng	98
88) Benzo(b)fluoranthene	15.198	252	62749	2.872	ng	# 98
89) Benzo(k)fluoranthene	15.198	252	62749	2.896	ng	# 97

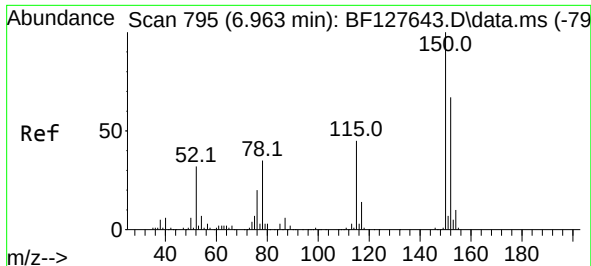
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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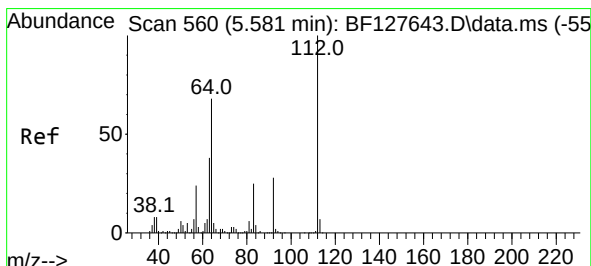
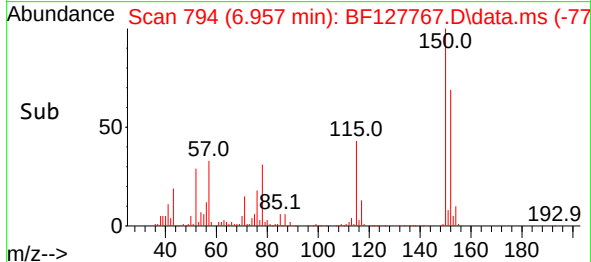
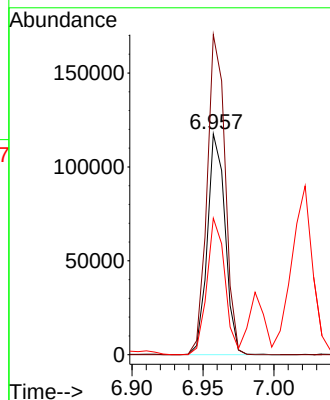
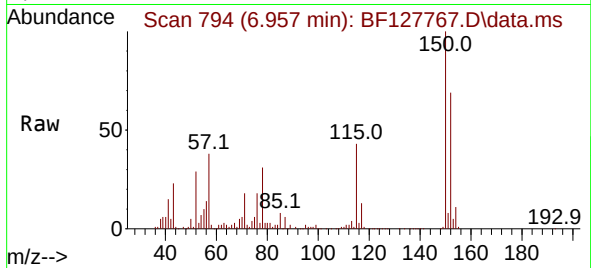




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.957 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF127767.D
 Acq: 12 Apr 2022 19:31

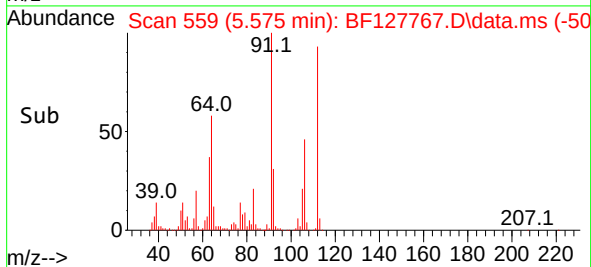
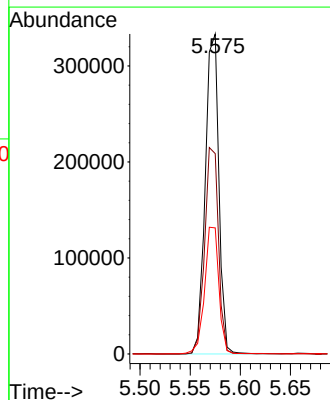
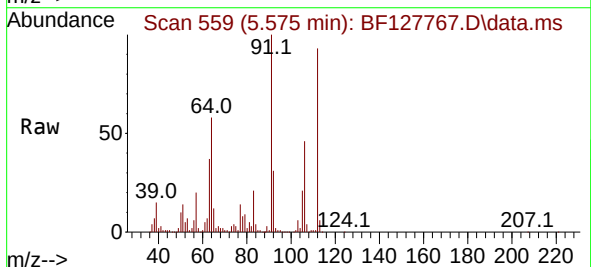
Instrument :
 BNA_F
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 DUP040722

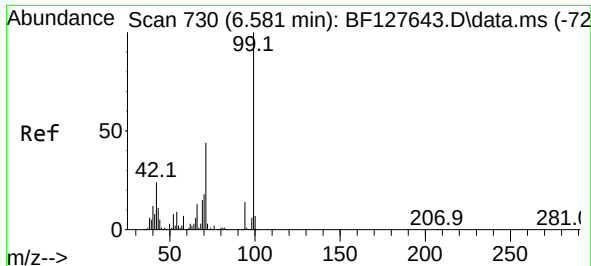
Tgt Ion:152 Resp: 102321
 Ion Ratio Lower Upper
 152 100
 150 144.9 117.2 175.8
 115 61.8 49.8 74.6



#5
 2-Fluorophenol
 Concen: 50.143 ng
 RT: 5.575 min Scan# 559
 Delta R.T. -0.006 min
 Lab File: BF127767.D
 Acq: 12 Apr 2022 19:31

Tgt Ion:112 Resp: 315751
 Ion Ratio Lower Upper
 112 100
 64 62.6 58.4 87.6
 63 39.4 30.1 45.1

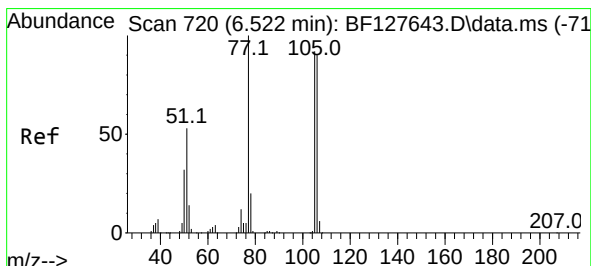
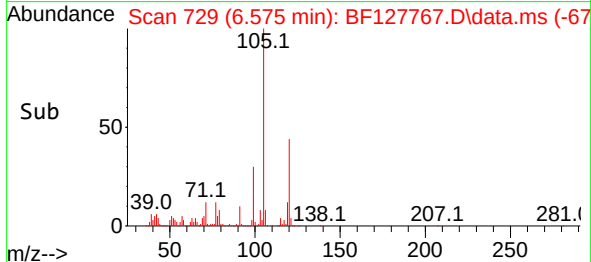
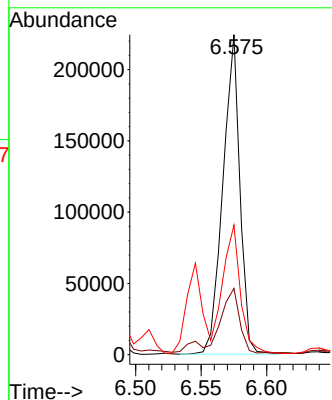
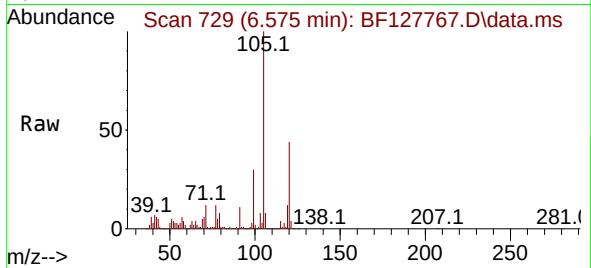




#7
Phenol-d6
Concen: 24.506 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

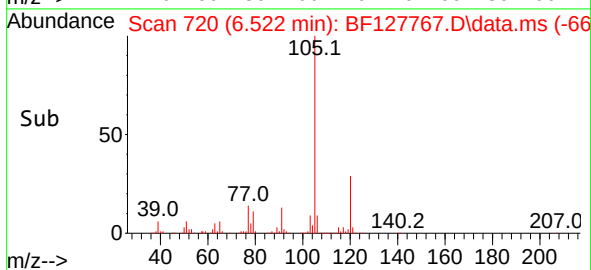
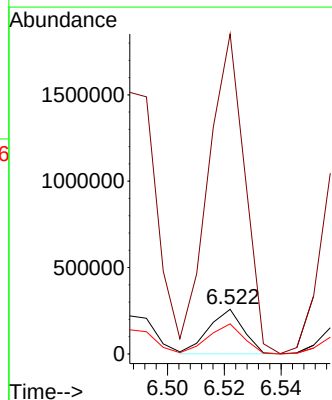
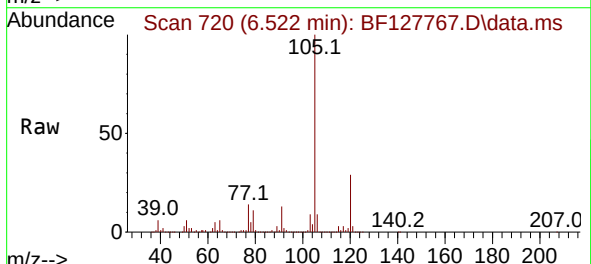
Instrument :
BNA_F
ClientSampleId :
DUP040722

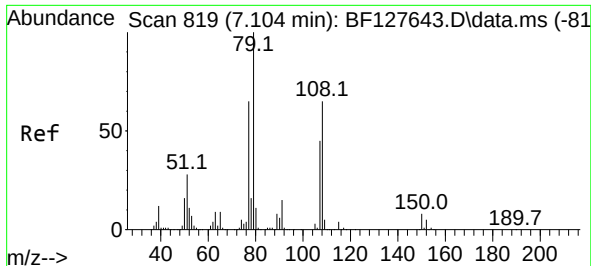
Tgt Ion: 99 Resp: 201879
Ion Ratio Lower Upper
99 100
42 20.7 17.8 26.6
71 40.5 29.6 44.4



#9
Benzaldehyde
Concen: 55.957 ng
RT: 6.522 min Scan# 720
Delta R.T. 0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion: 77 Resp: 219231
Ion Ratio Lower Upper
77 100
105 716.6 66.8 106.8#
106 67.2 64.3 104.3

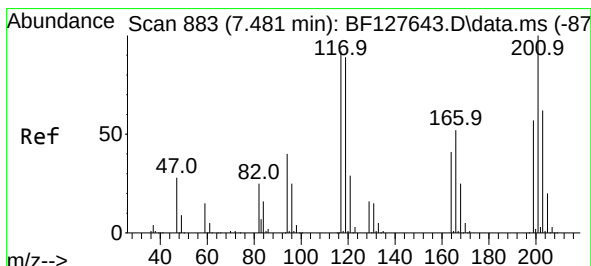
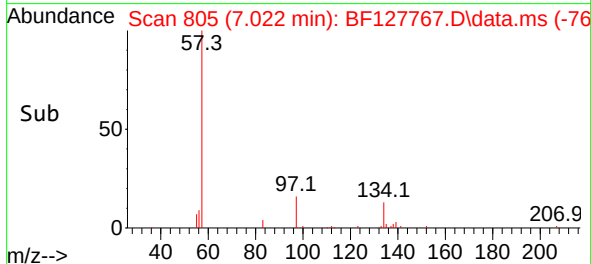
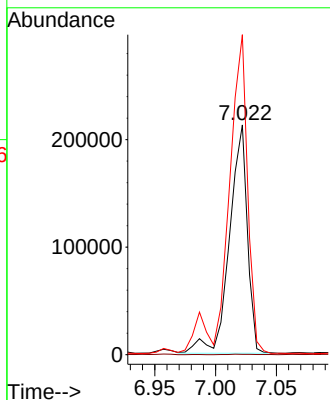
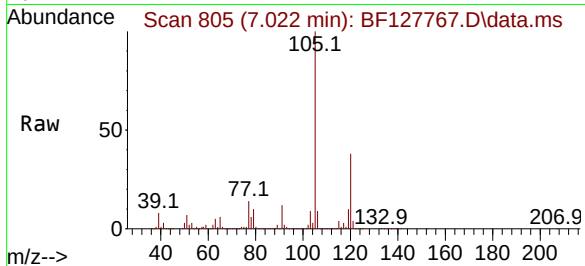




#15
Benzyl Alcohol
Concen: 30.184 ng
RT: 7.022 min Scan# 805
Delta R.T. -0.076 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

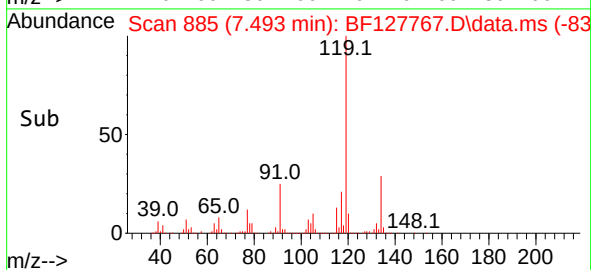
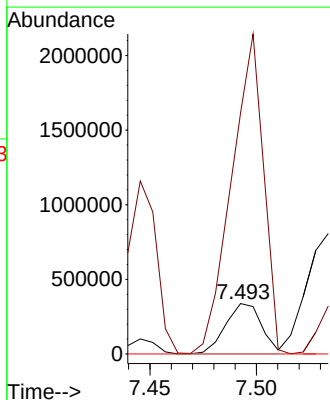
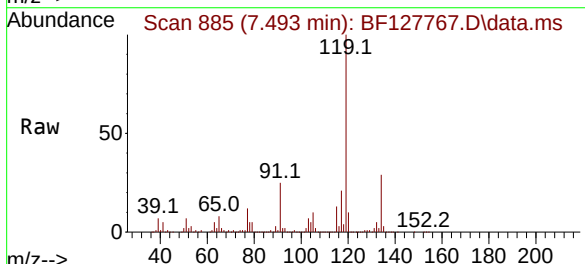
Instrument :
BNA_F
ClientSampleId :
DUP040722

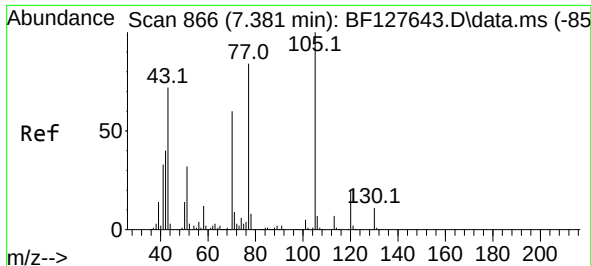
Tgt Ion: 79 Resp: 217379
Ion Ratio Lower Upper
79 100
108 0.1 52.2 78.2#
77 139.3 48.3 72.5#



#18
Hexachloroethane
Concen: 141.332 ng
RT: 7.493 min Scan# 885
Delta R.T. 0.018 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion: 117 Resp: 397906
Ion Ratio Lower Upper
117 100
119 478.6 77.6 116.4#
201 0.0 88.2 132.2#

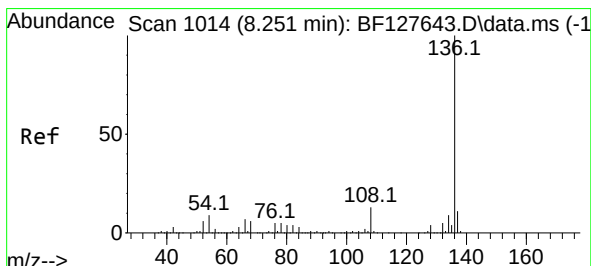
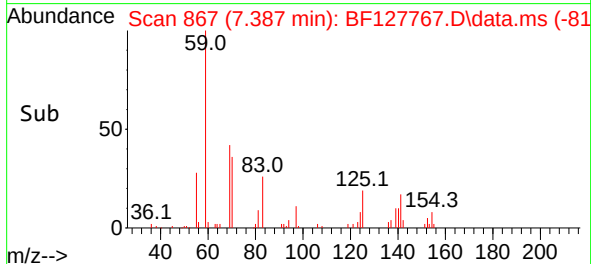
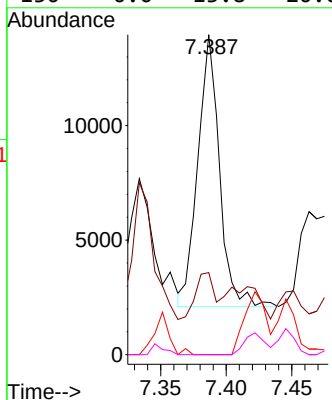
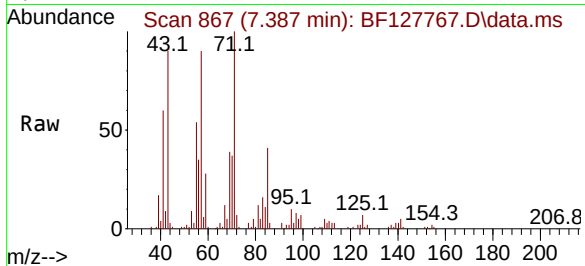




#19
n-Nitroso-di-n-propylamine
Concen: 2.563 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.018 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

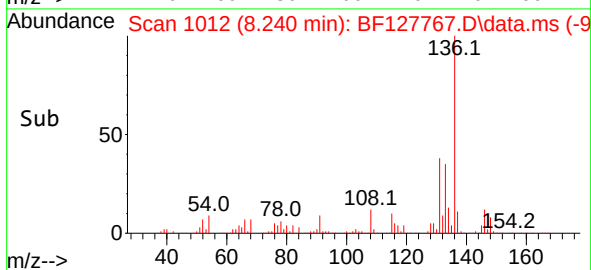
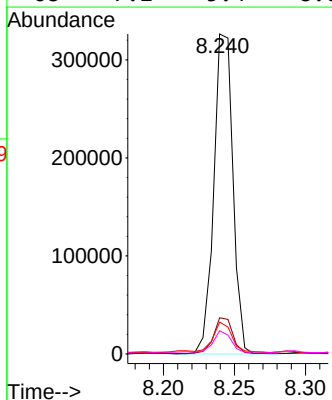
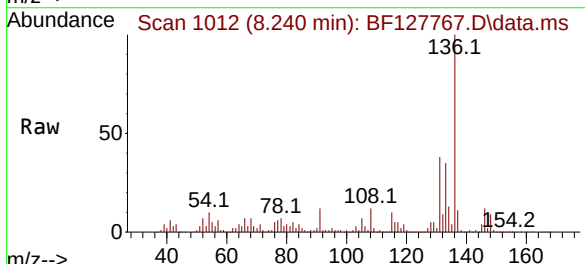
Instrument :
BNA_F
ClientSampleId :
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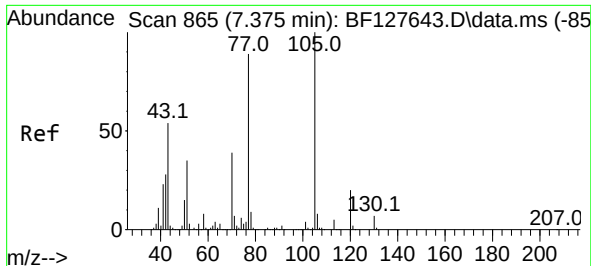
Tgt Ion:	70	Resp:	13655
Ion	Ratio	Lower	Upper
70	100		
42	25.6	53.0	79.6#
101	0.0	6.8	10.2#
130	0.0	13.8	20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

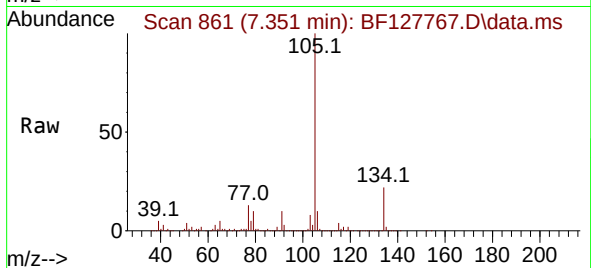
Tgt Ion:	136	Resp:	306109
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	10.0	9.2	13.8
68	7.2	5.4	8.0



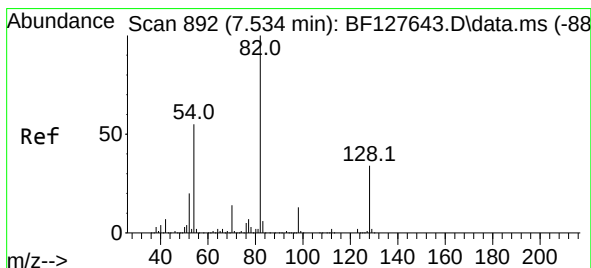
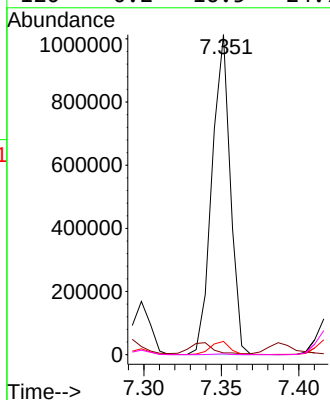
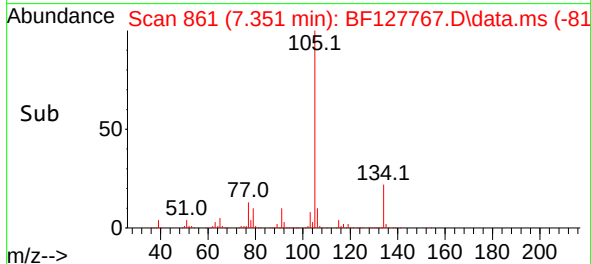


#22
Acetophenone
Concen: 101.261 ng
RT: 7.351 min Scan# 861
Delta R.T. -0.018 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Instrument :
BNA_F
ClientSampleId :
DUP040722

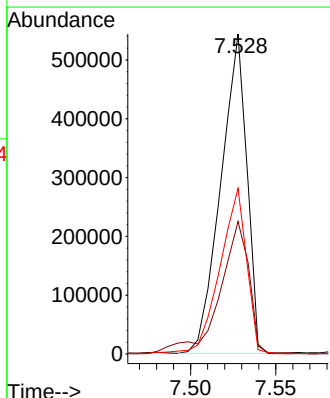
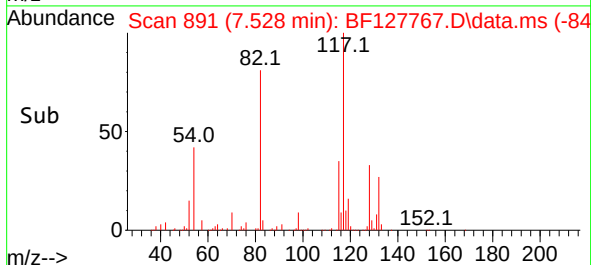
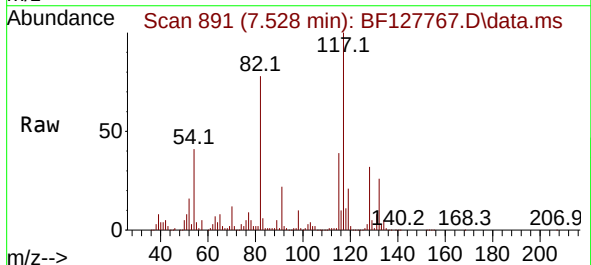


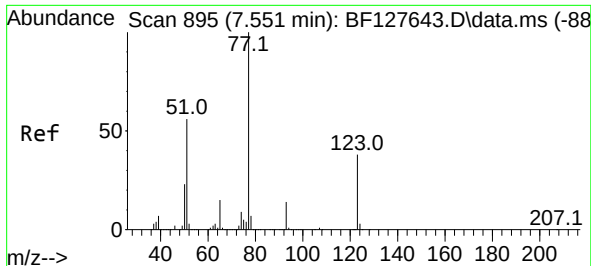
Tgt Ion:105 Resp: 832940
Ion Ratio Lower Upper
105 100
71 0.6 7.3 10.9#
51 4.2 38.8 58.2#
120 0.2 16.5 24.7#



#23
Nitrobenzene-d5
Concen: 84.002 ng
RT: 7.528 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion: 82 Resp: 576787
Ion Ratio Lower Upper
82 100
128 41.4 30.6 45.8
54 51.8 48.2 72.2





#24

Nitrobenzene

Concen: 9.548 ng

RT: 7.534 min Scan# 891

Delta R.T. -0.012 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Instrument :

BNA_F

ClientSampleId :

DUP040722

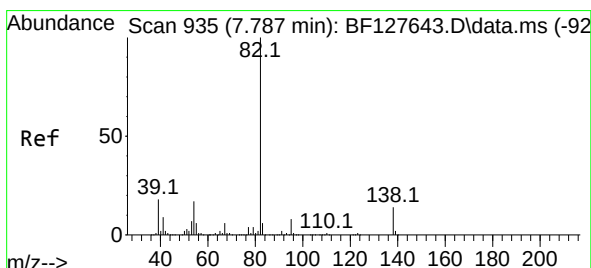
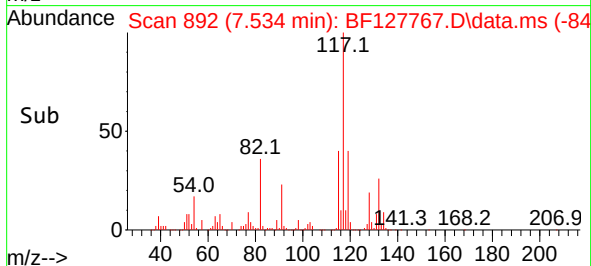
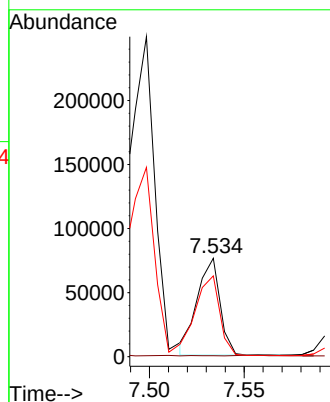
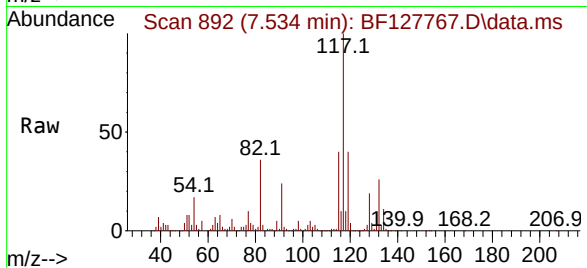
Tgt Ion: 77 Resp: 63550

Ion Ratio Lower Upper

77 100

123 1.0 32.0 48.0#

65 82.1 12.2 18.2#



#25

Isophorone

Concen: 48.141 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.253 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

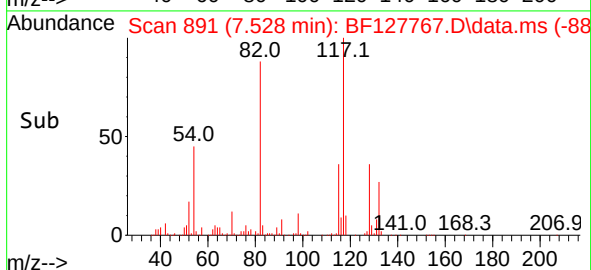
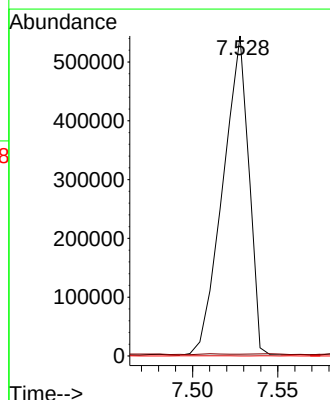
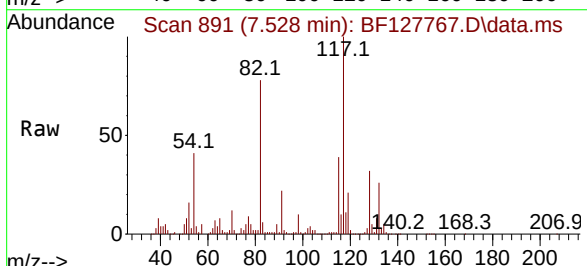
Tgt Ion: 82 Resp: 576787

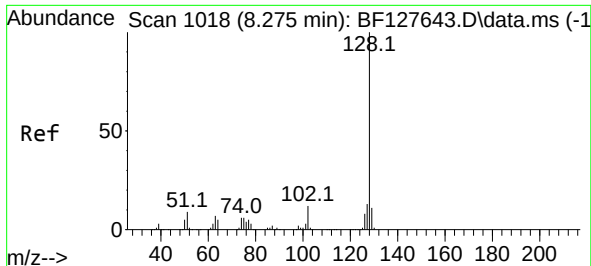
Ion Ratio Lower Upper

82 100

95 0.6 5.8 8.8#

138 0.0 11.6 17.4#

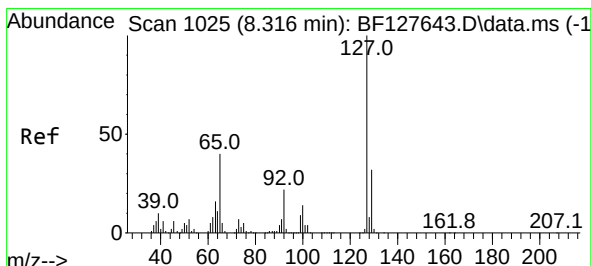
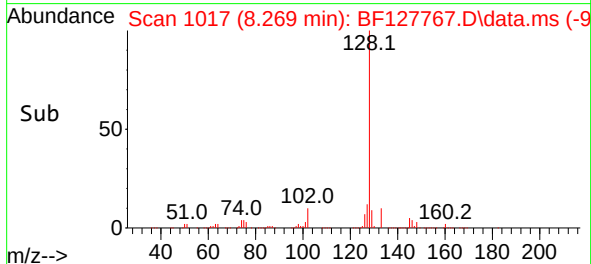
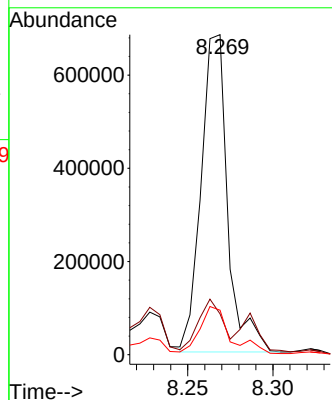
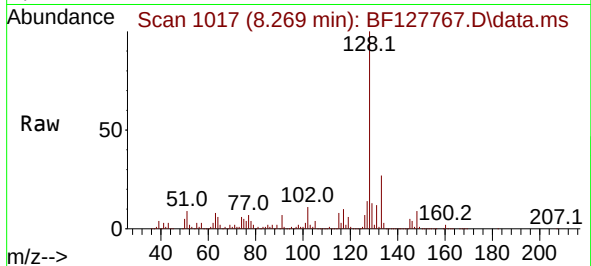




#31
Naphthalene
Concen: 46.144 ng
RT: 8.269 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

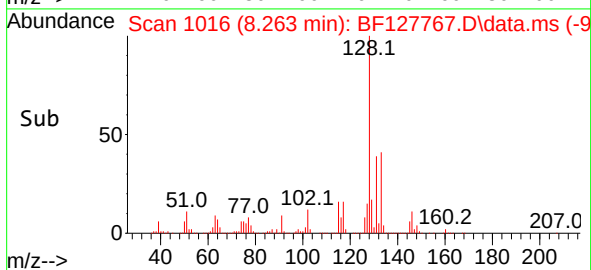
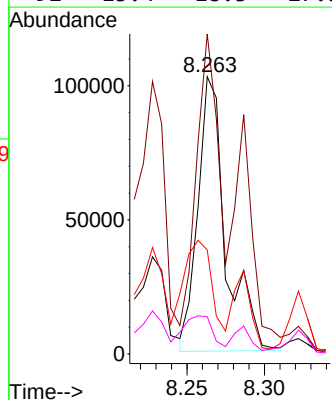
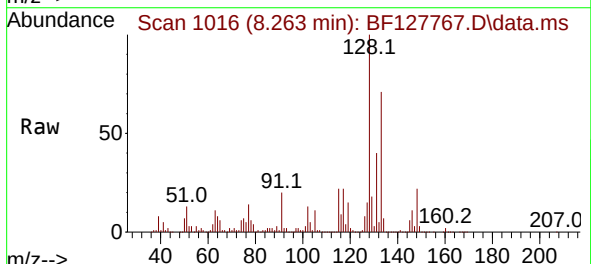
Instrument :
BNA_F
ClientSampleId :
DUP040722

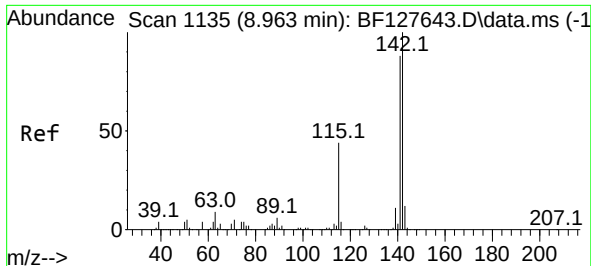
Tgt Ion:128 Resp: 740153
Ion Ratio Lower Upper
128 100
129 12.8 8.4 12.6#
127 13.9 10.2 15.2



#33
4-Chloroaniline
Concen: 20.271 ng
RT: 8.263 min Scan# 1016
Delta R.T. -0.047 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion:127 Resp: 128054
Ion Ratio Lower Upper
127 100
129 115.4 25.9 38.9#
65 37.5 31.4 47.0
92 13.4 18.3 27.5#

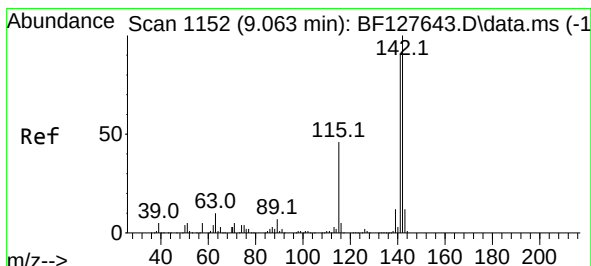
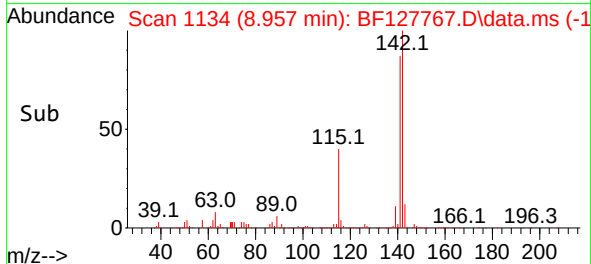
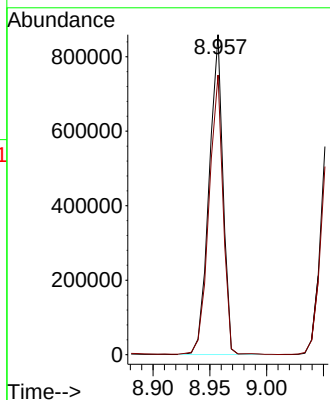
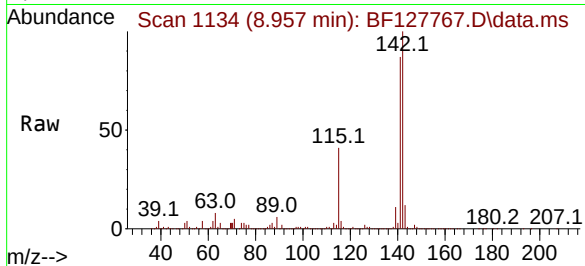




#37
2-Methylnaphthalene
Concen: 68.032 ng
RT: 8.957 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

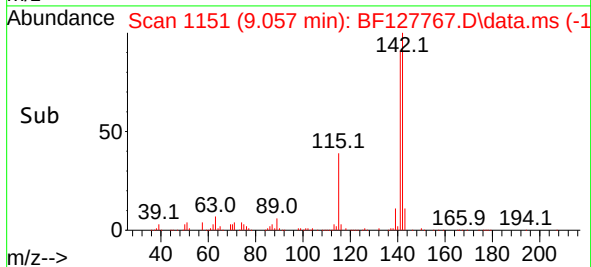
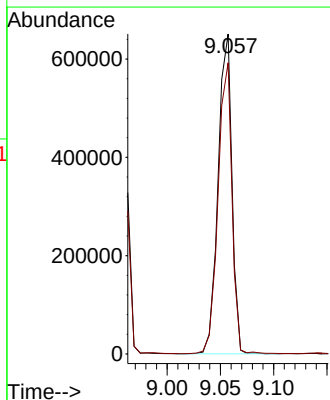
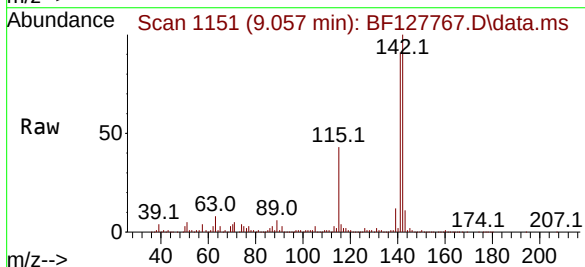
Instrument :
BNA_F
ClientSampleId :
DUP040722

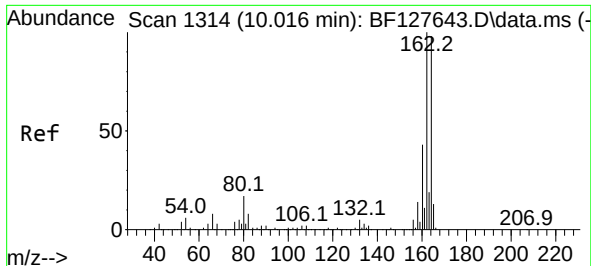
Tgt Ion:142 Resp: 729854
Ion Ratio Lower Upper
142 100
141 87.4 70.6 106.0



#38
1-Methylnaphthalene
Concen: 56.513 ng
RT: 9.057 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion:142 Resp: 585191
Ion Ratio Lower Upper
142 100
141 91.0 74.2 111.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Instrument :

BNA_F

ClientSampleId :

DUP040722

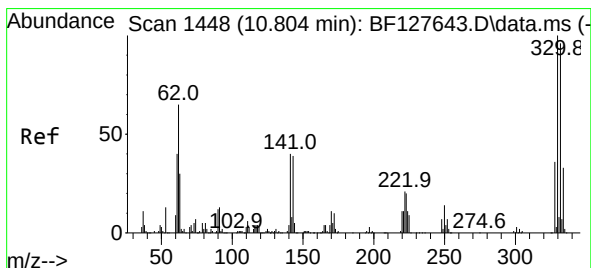
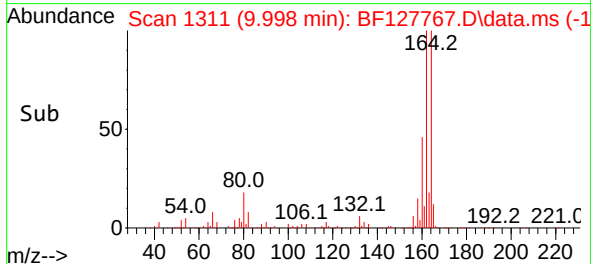
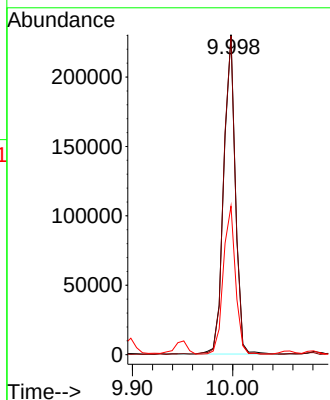
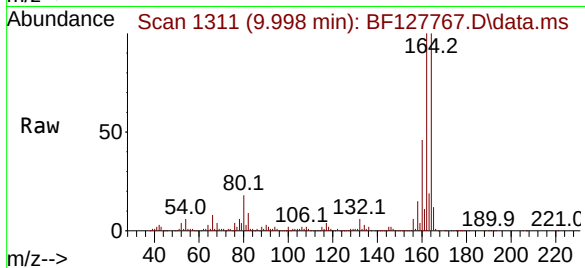
Tgt Ion:164 Resp: 184808

Ion Ratio Lower Upper

164 100

162 99.6 81.2 121.8

160 46.4 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 131.094 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

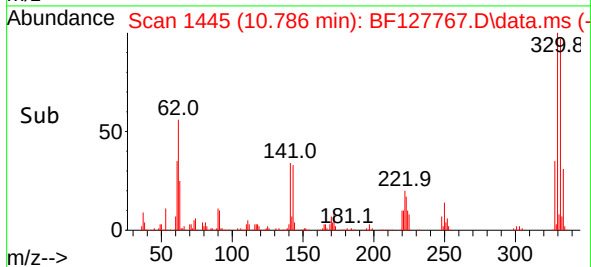
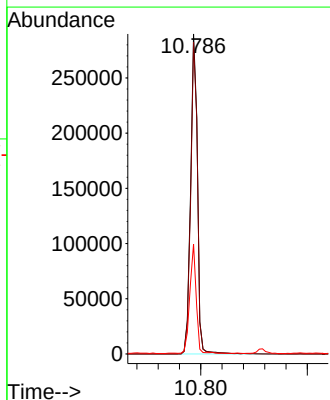
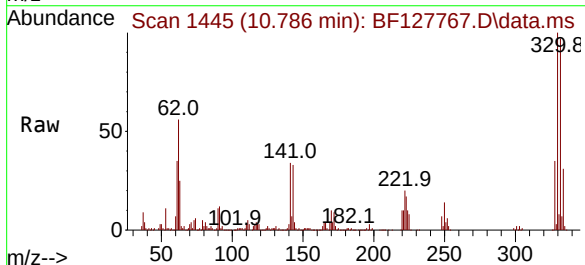
Tgt Ion:330 Resp: 257813

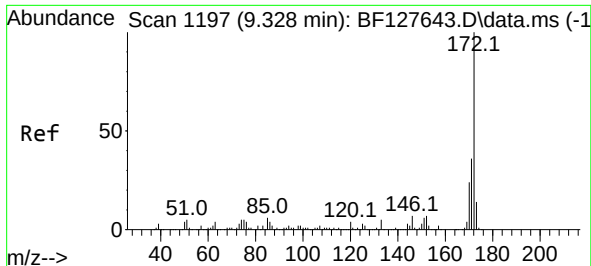
Ion Ratio Lower Upper

330 100

332 96.7 79.1 118.7

141 32.0 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 82.372 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Instrument :

BNA_F

ClientSampleId :

DUP040722

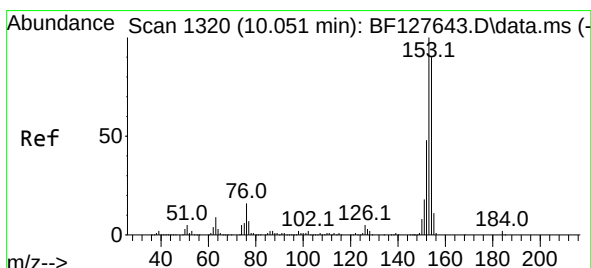
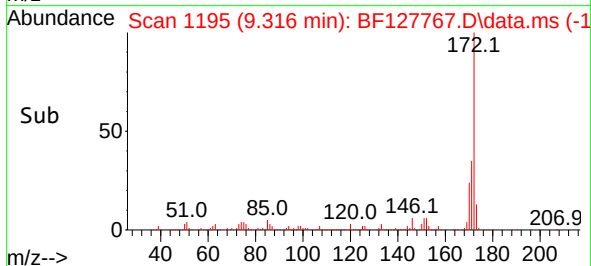
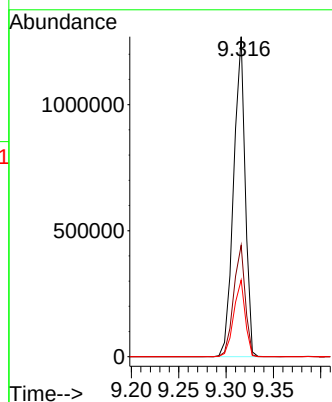
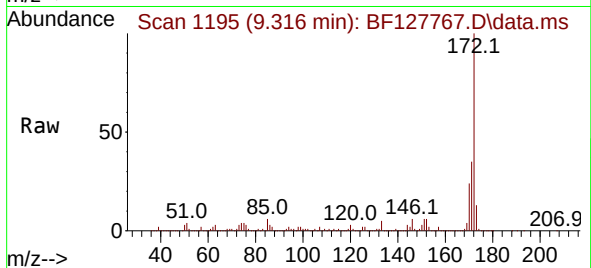
Tgt Ion:172 Resp: 1076089

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 24.0 18.6 27.8



#52

Acenaphthene

Concen: 2.019 ng

RT: 10.028 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

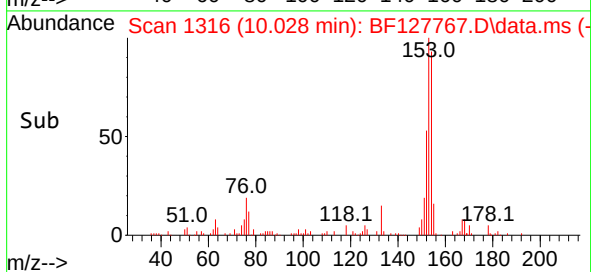
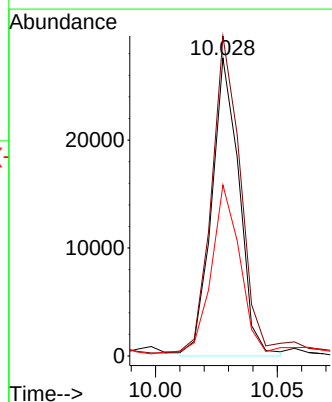
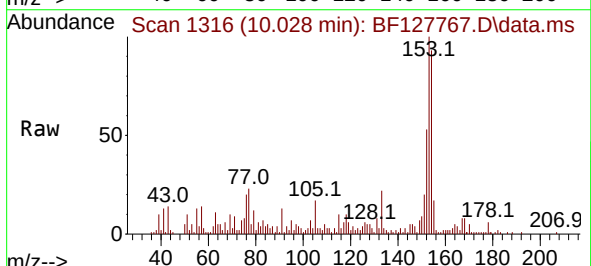
Tgt Ion:154 Resp: 21728

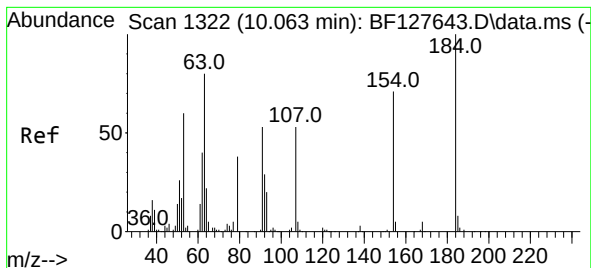
Ion Ratio Lower Upper

154 100

153 107.4 87.6 131.4

152 57.4 42.9 64.3

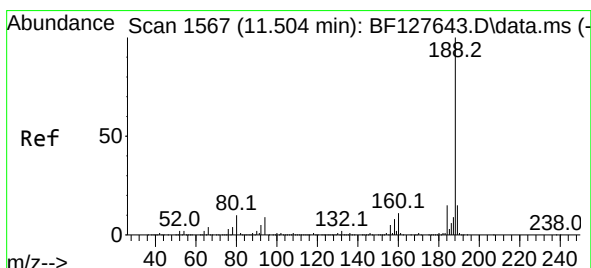
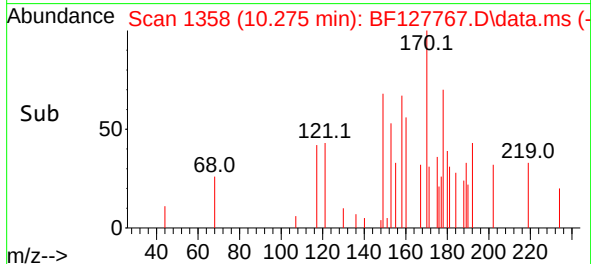
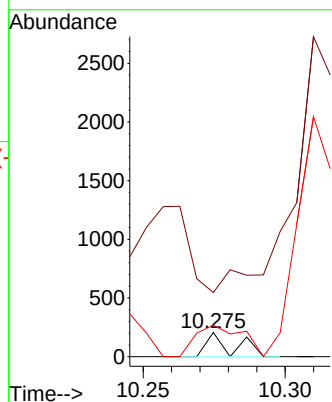
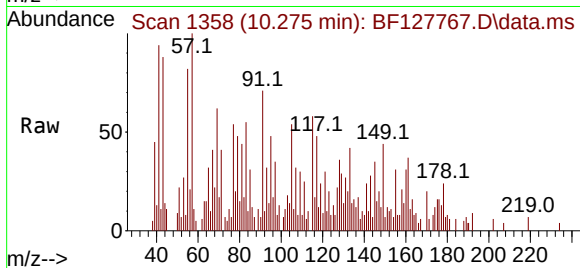




#54
2,4-Dinitrophenol
Concen: 5.407 ng
RT: 10.275 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

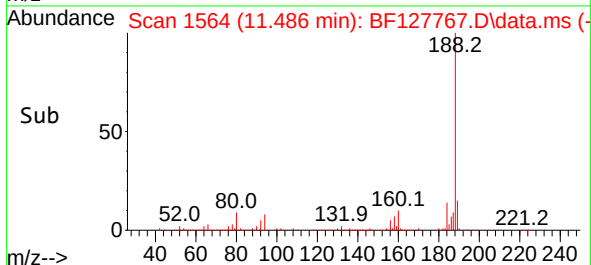
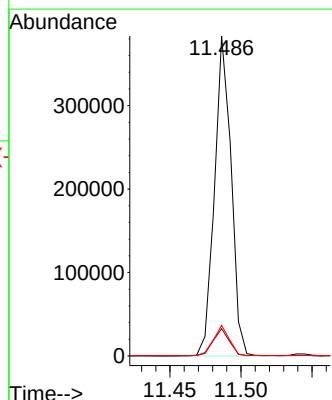
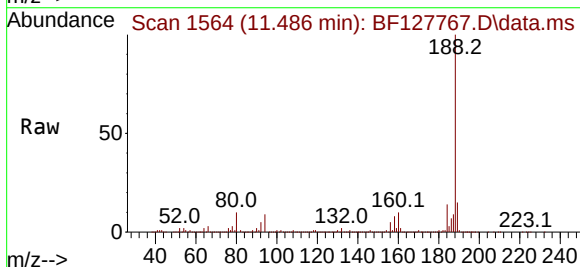
Instrument :
BNA_F
ClientSampleId :
DUP040722

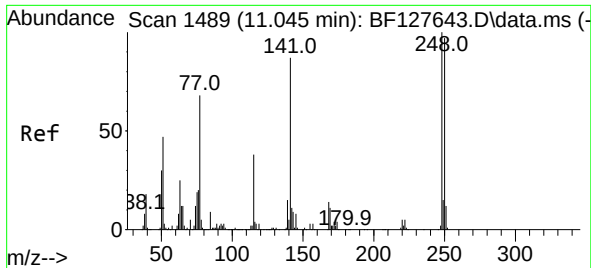
Tgt Ion:184 Resp: 132
Ion Ratio Lower Upper
184 100
63 265.0 58.1 87.1#
154 130.1 53.2 79.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion:188 Resp: 311149
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.0
80 9.6 8.0 12.0

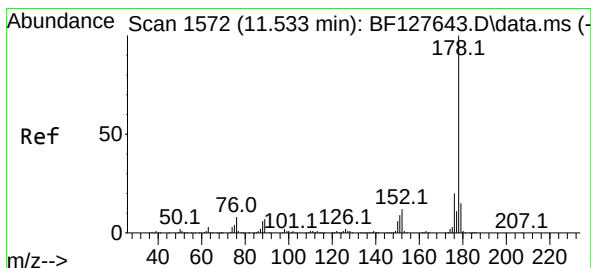
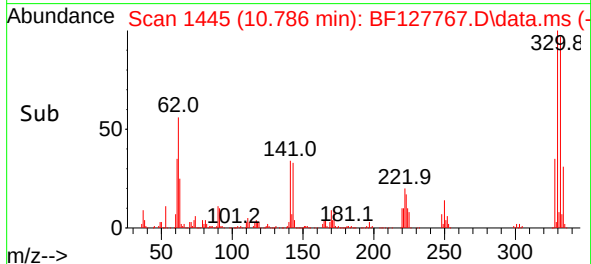
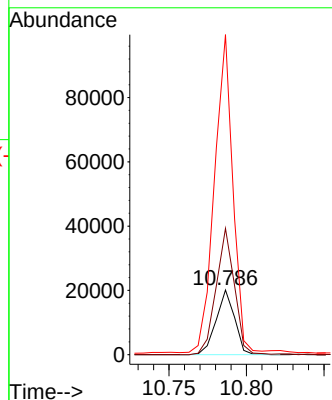
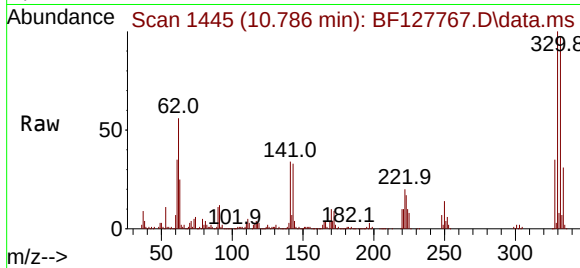




#67
4-Bromophenyl-phenylether
Concen: 4.432 ng
RT: 10.786 min Scan# 1489
Delta R.T. -0.247 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

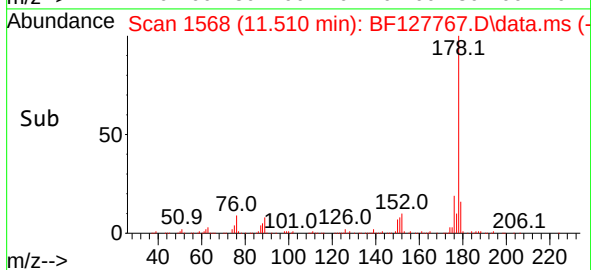
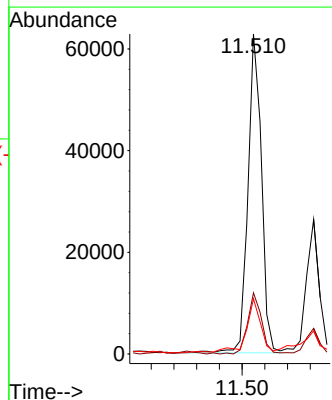
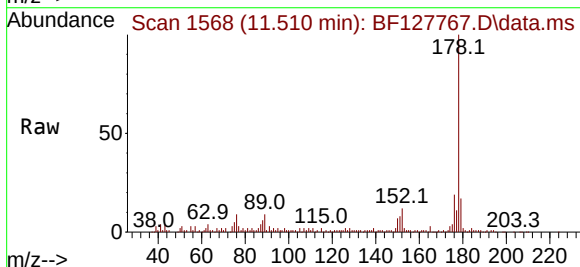
Instrument :
BNA_F
ClientSampleId :
DUP040722

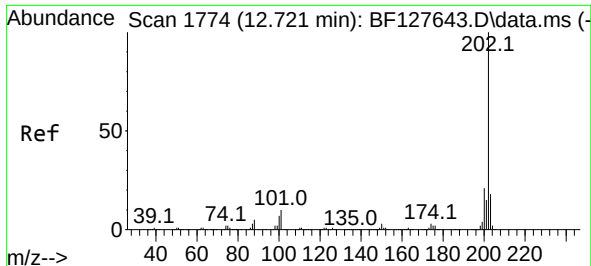
Tgt Ion:248 Resp: 16736
Ion Ratio Lower Upper
248 100
250 195.5 76.6 115.0#
141 495.4 52.2 78.2#



#71
Phenanthrene
Concen: 3.146 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion:178 Resp: 51865
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 17.3 12.4 18.6

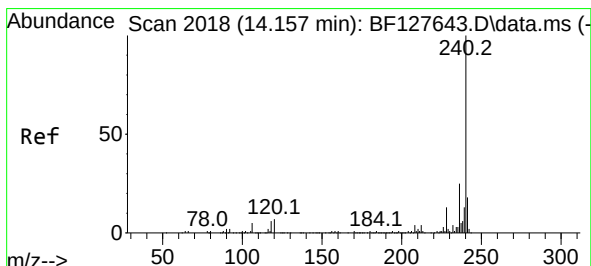
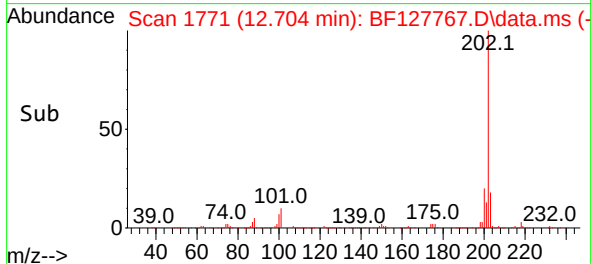
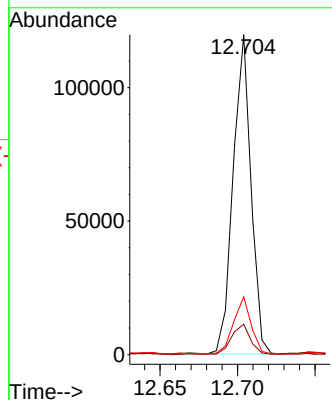
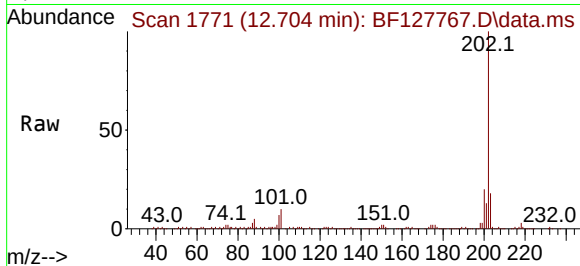




#75
Fluoranthene
Concen: 5.323 ng
RT: 12.704 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

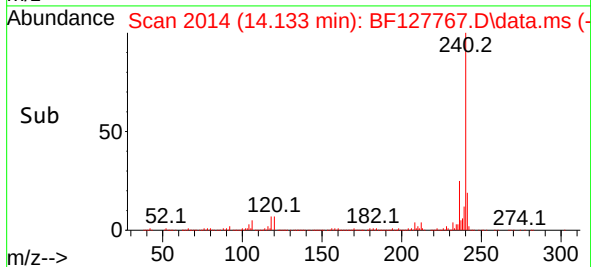
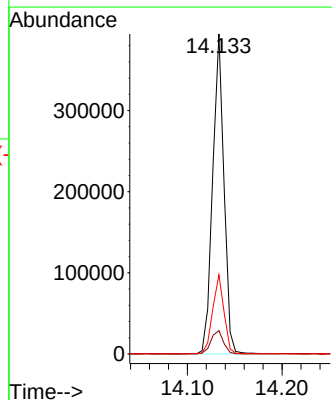
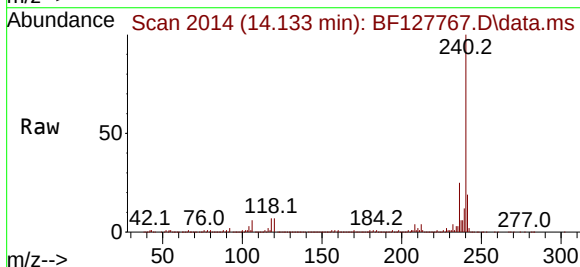
Instrument :
BNA_F
ClientSampleId :
DUP040722

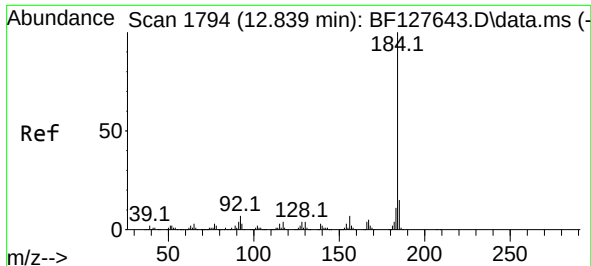
Tgt Ion:202 Resp: 95764
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.0
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

Tgt Ion:240 Resp: 326230
Ion Ratio Lower Upper
240 100
120 7.3 7.1 10.7
236 24.8 20.7 31.1

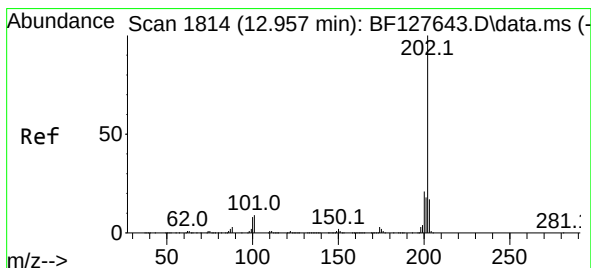
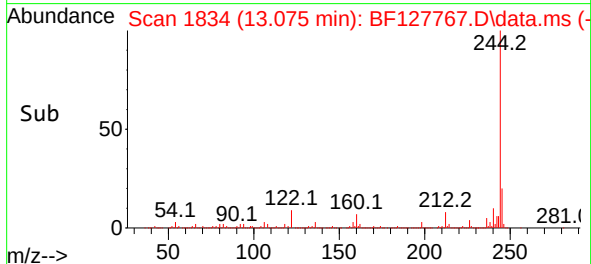
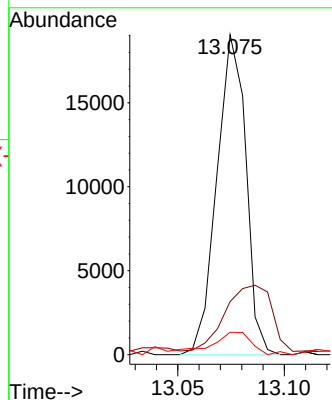
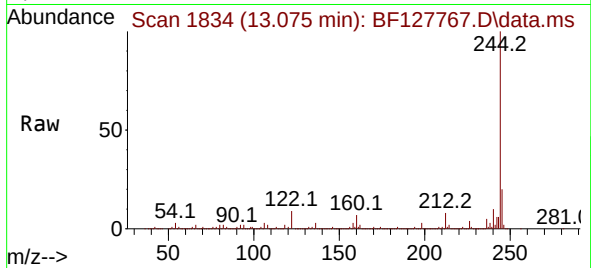




#77
Benzidine
Concen: 2.124 ng
RT: 13.075 min Scan# 1834
Delta R.T. 0.247 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

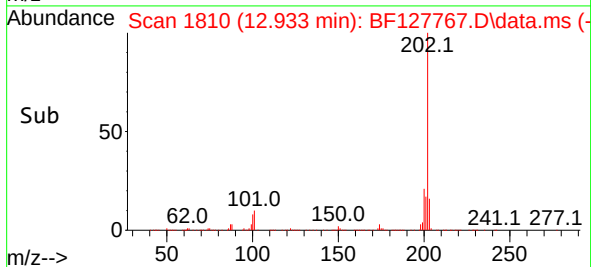
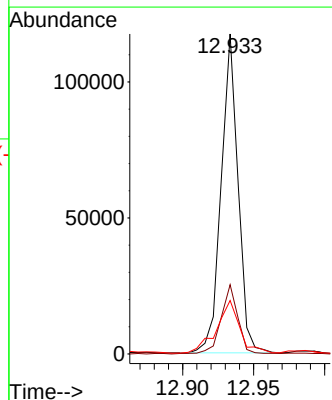
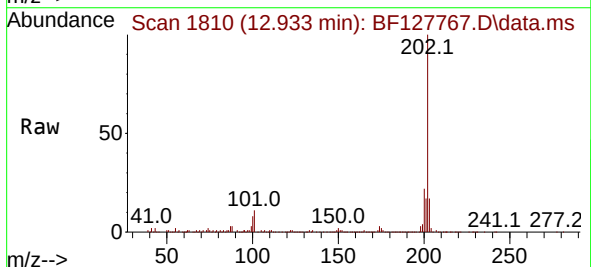
Instrument :
BNA_F
ClientSampleId :
DUP040722

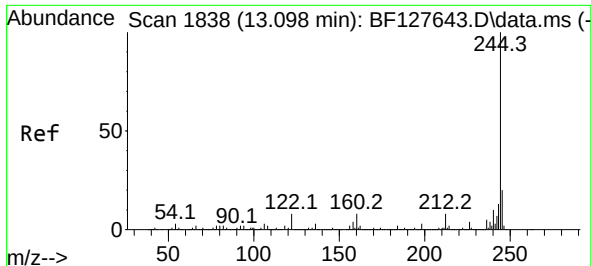
Tgt Ion:184 Resp: 18084
Ion Ratio Lower Upper
184 100
185 16.6 12.2 18.2
183 7.0 9.4 14.0#



#78
Pyrene
Concen: 3.512 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF127767.D
Acq: 12 Apr 2022 19:31

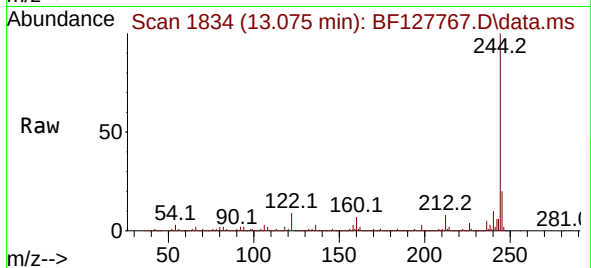
Tgt Ion:202 Resp: 96735
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 16.7 14.3 21.5





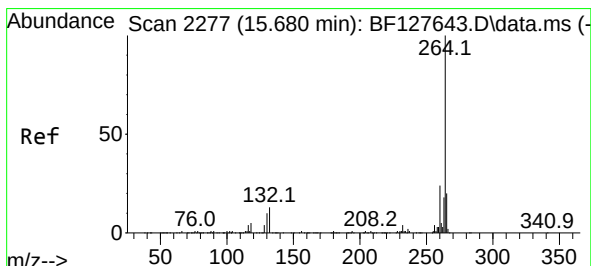
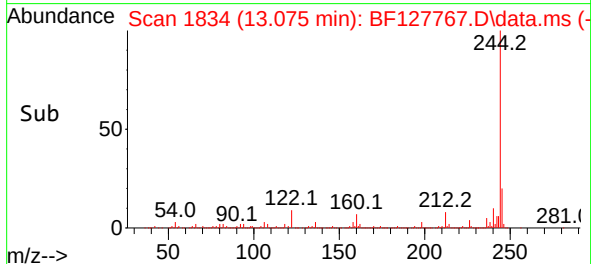
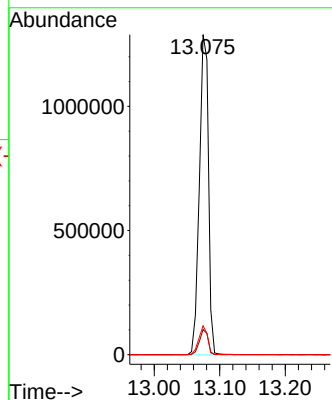
#79
 Terphenyl-d14
 Concen: 62.827 ng
 RT: 13.075 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF127767.D
 Acq: 12 Apr 2022 19:31

Instrument :
 BNA_F
 ClientSampleId :
 DUP040722



Tgt Ion:244 Resp: 1241723

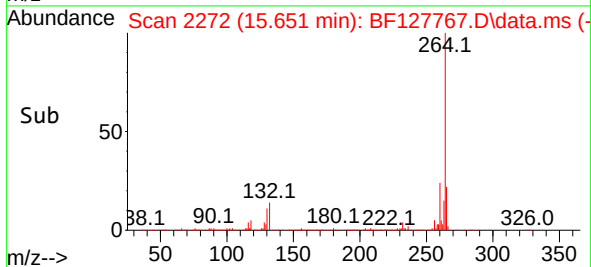
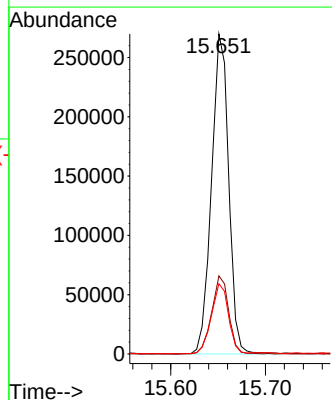
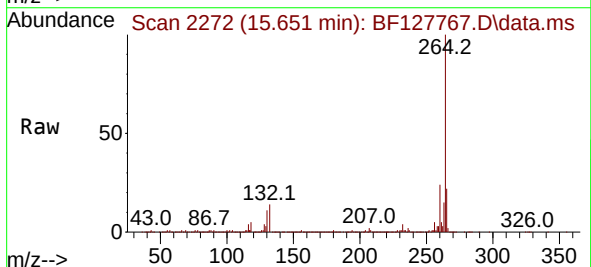
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	9.1	6.2	9.2

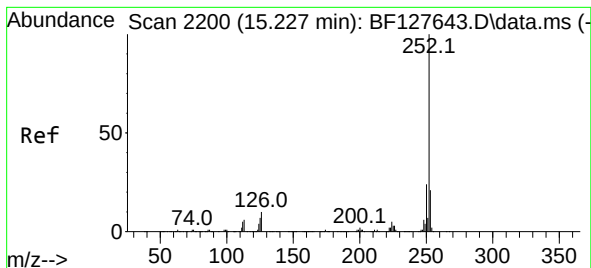


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.651 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF127767.D
 Acq: 12 Apr 2022 19:31

Tgt Ion:264 Resp: 339632

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	21.9	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 2.872 ng

RT: 15.198 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Instrument :

BNA_F

ClientSampleId :

DUP040722

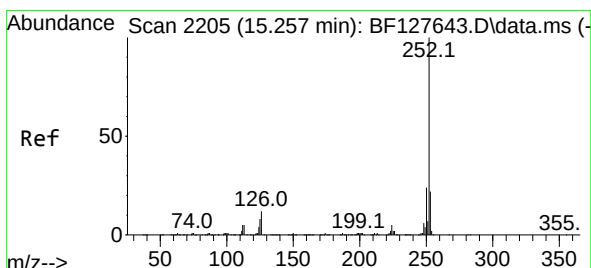
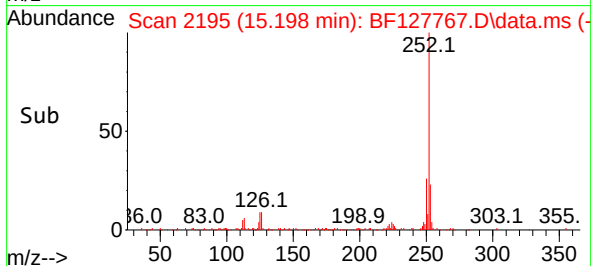
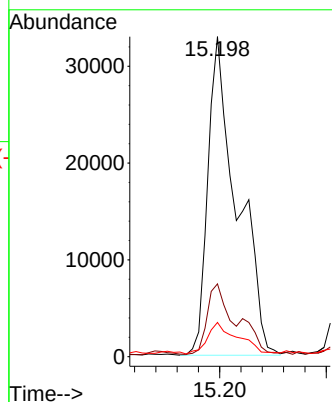
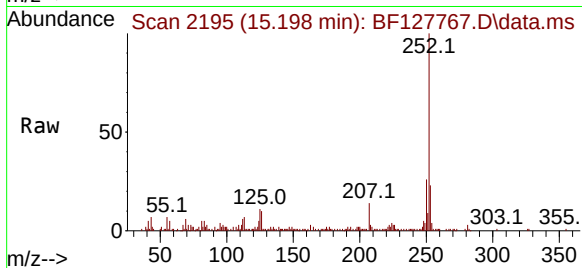
Tgt Ion:252 Resp: 62749

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 10.7 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 2.896 ng

RT: 15.198 min Scan# 2195

Delta R.T. -0.041 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Tgt Ion:252 Resp: 62749

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 10.7 6.9 10.3#

