

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127575.D
 Acq On : 29 Mar 2022 19:49
 Operator : CG\JU
 Sample : N2155-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L076-A

Quant Time: Mar 30 08:32:45 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)

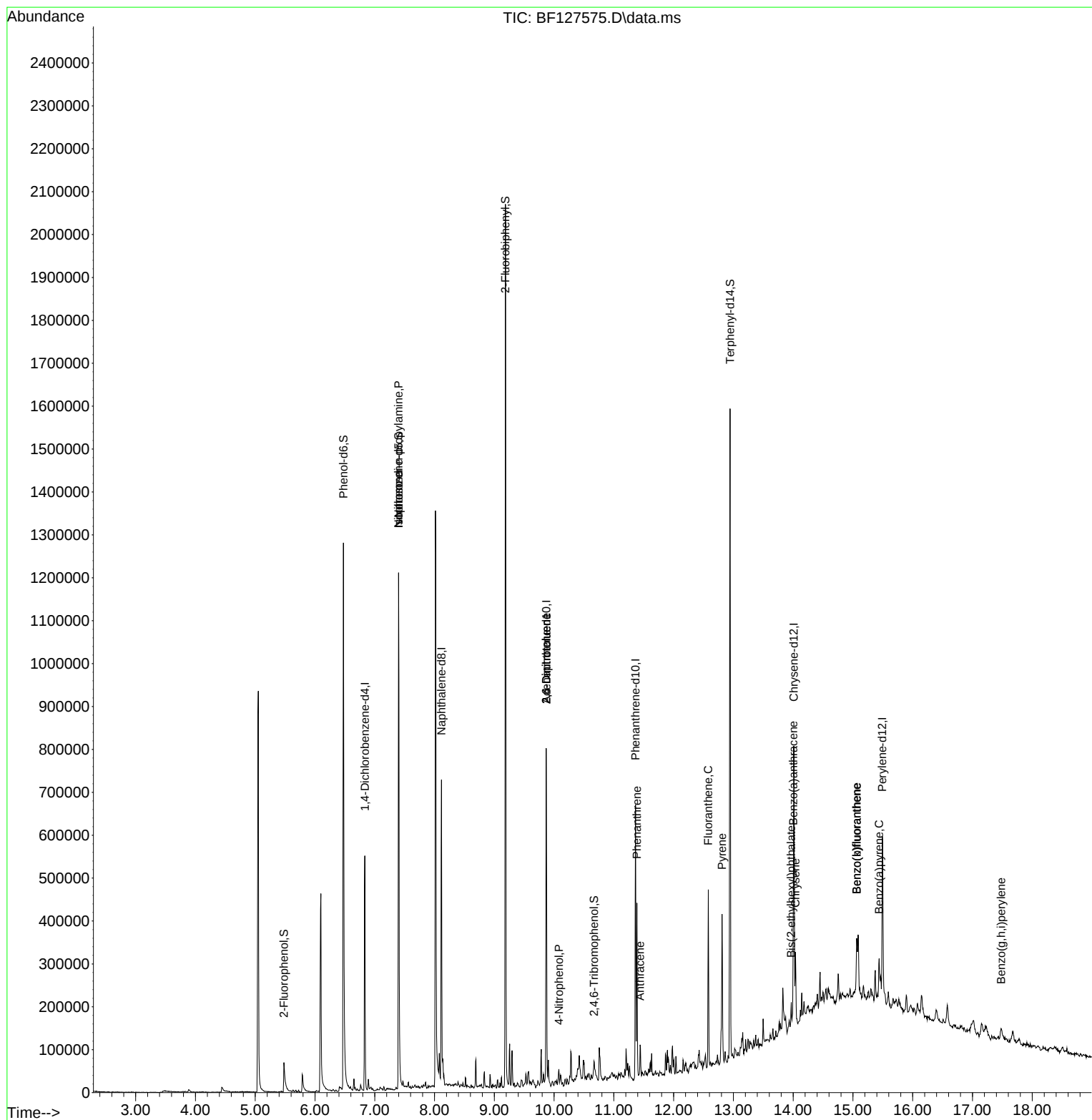
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	77071	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	270071	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	147029	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	209535	20.000	ng	0.00
76) Chrysene-d12	14.010	240	184241	20.000	ng	# 0.00
86) Perylene-d12	15.492	264	183361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	34353	7.115	ng	0.02
7) Phenol-d6	6.475	99	404098	61.227	ng	0.00
23) Nitrobenzene-d5	7.398	82	360455	57.051	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	3169	2.023	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	594457	59.039	ng	0.00
79) Terphenyl-d14	12.945	244	491585	43.678	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.440	77	146	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.398	70	55959	14.145	ng	# 82
25) Isophorone	7.398	82	360491	35.824	ng	# 70
51) 2,6-Dinitrotoluene	9.869	165	18885	8.796	ng	# 17
55) Dibenzofuran	10.081	168	12193	Below Cal	#	97
56) 4-Nitrophenol	10.081	139	4928	4.111	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	18885	6.833	ng	# 14
58) Fluorene	10.422	166	13836	Below Cal		97
71) Phenanthrene	11.386	178	137049	12.546	ng	100
72) Anthracene	11.439	178	30763	2.838	ng	99
75) Fluoranthene	12.580	202	148245	12.338	ng	98
78) Pyrene	12.810	202	137819	8.716	ng	98
81) Benzo(a)anthracene	14.004	228	72698	5.900	ng	99
83) Chrysene	14.039	228	61628	5.282	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	16668	2.771	ng	90
88) Benzo(b)fluoranthene	15.063	252	93450	8.083	ng	# 96
89) Benzo(k)fluoranthene	15.063	252	93450	7.797	ng	# 95
90) Benzo(a)pyrene	15.439	252	51463	5.424	ng	# 95
92) Benzo(g,h,i)perylene	17.480	276	22416	2.117	ng	95

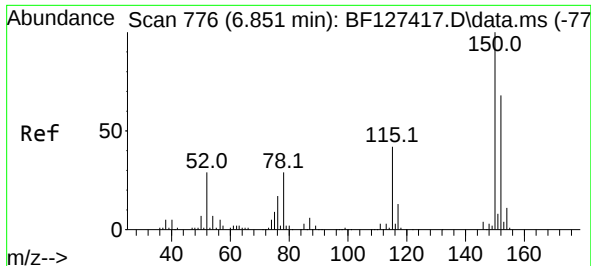
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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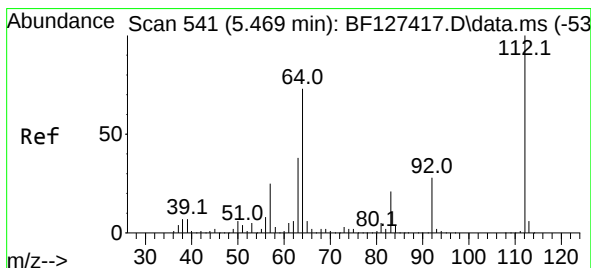
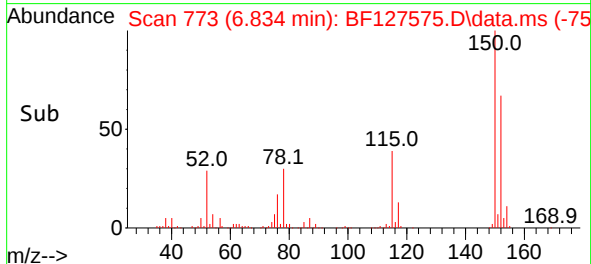
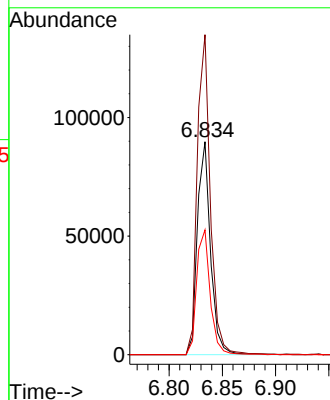
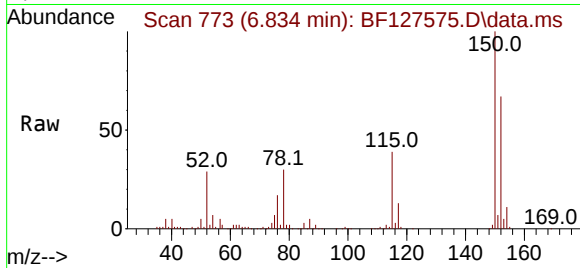




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

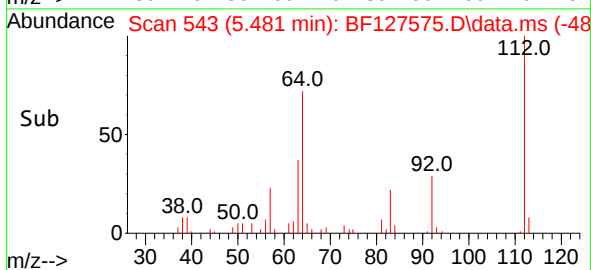
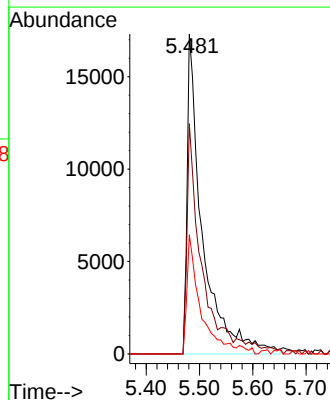
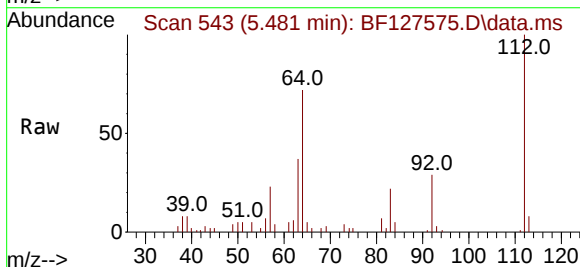
Instrument :
BNA_F
ClientSampleId :
22L076-A

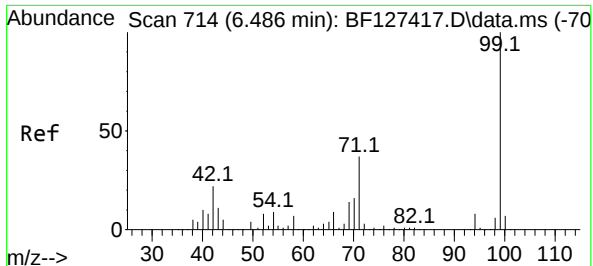
Tgt Ion:152 Resp: 77071
Ion Ratio Lower Upper
152 100
150 150.2 117.2 175.8
115 58.6 49.8 74.6



#5
2-Fluorophenol
Concen: 7.115 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.024 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:112 Resp: 34353
Ion Ratio Lower Upper
112 100
64 72.0 58.4 87.6
63 37.3 30.1 45.1

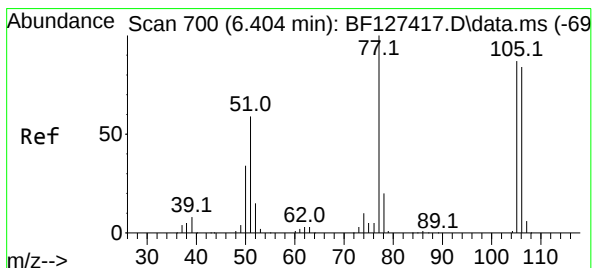
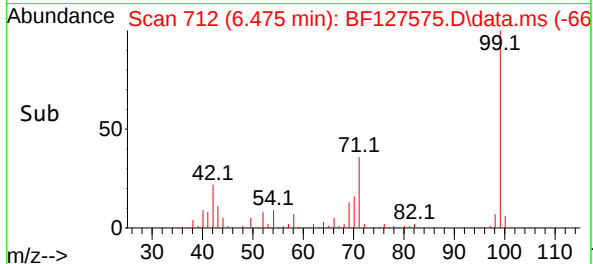
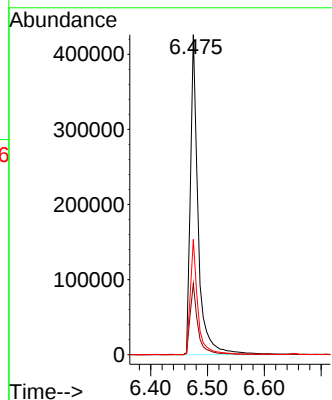
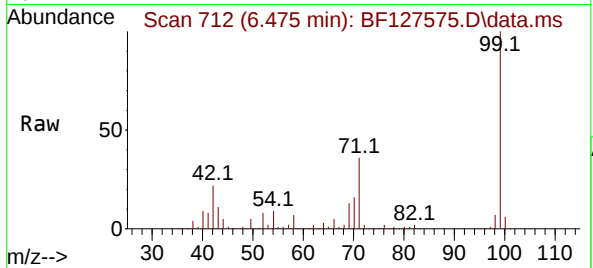




#7
Phenol-d6
Concen: 61.227 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

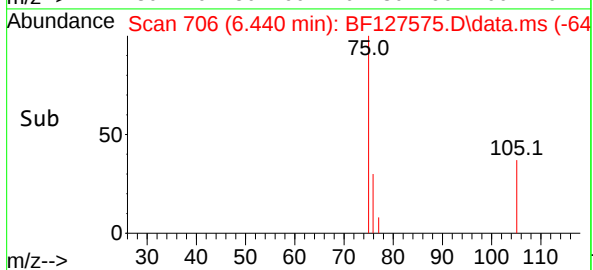
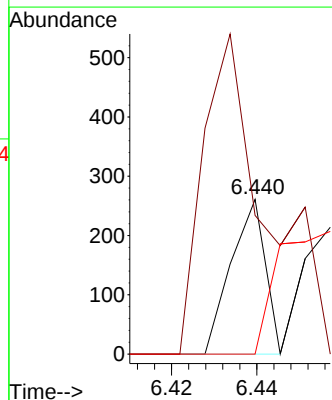
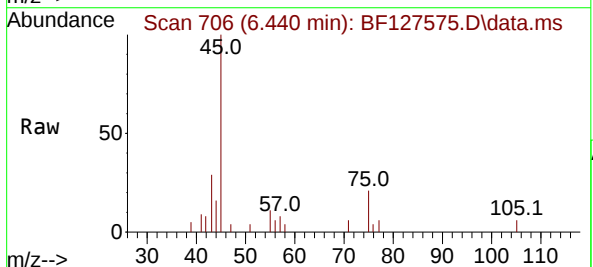
Instrument :
BNA_F
ClientSampleId :
22L076-A

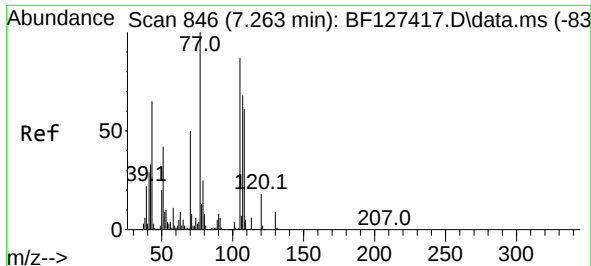
Tgt Ion: 99 Resp: 404098
Ion Ratio Lower Upper
99 100
42 22.2 17.8 26.6
71 36.0 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 706
Delta R.T. 0.047 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion: 77 Resp: 146
Ion Ratio Lower Upper
77 100
105 89.7 66.8 106.8
106 0.0 64.3 104.3#

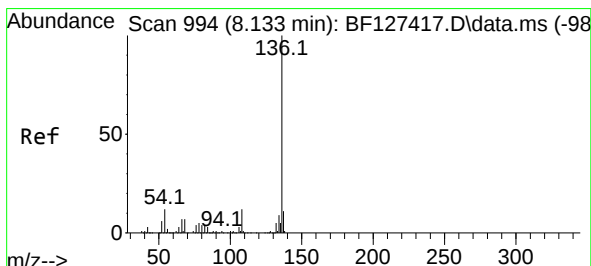
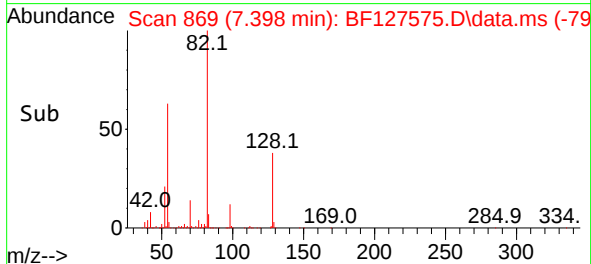
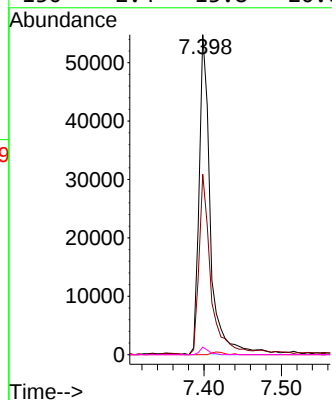
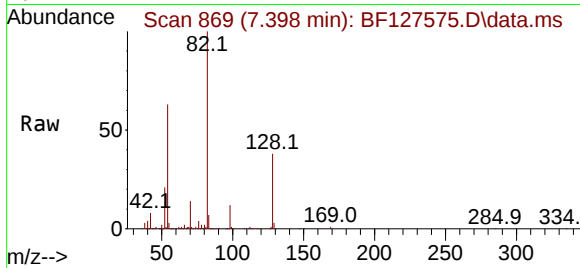




#19
n-Nitroso-di-n-propylamine
Concen: 14.145 ng
RT: 7.398 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

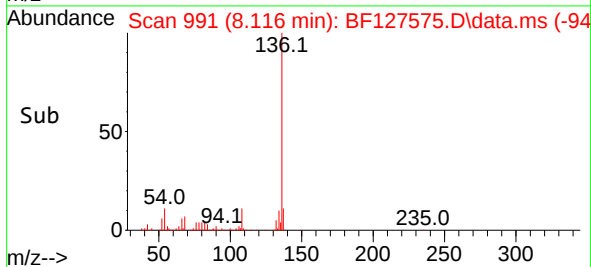
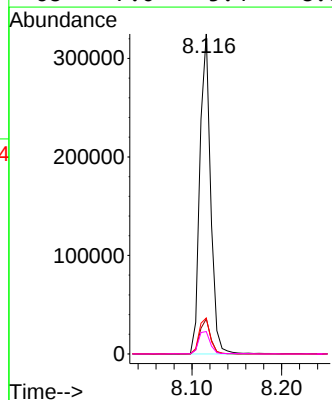
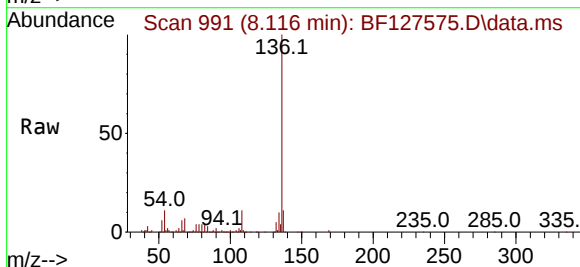
Instrument :
BNA_F
ClientSampleId :
22L076-A

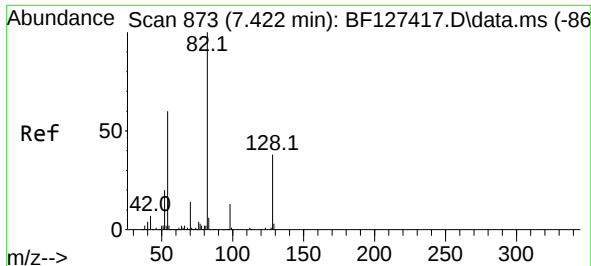
Tgt Ion: 70 Resp: 55959
Ion Ratio Lower Upper
70 100
42 56.4 53.0 79.6
101 0.0 6.8 10.2#
130 2.4 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:136 Resp: 270071
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.3 9.2 13.8
68 7.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 57.051 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Instrument :

BNA_F

ClientSampleId :

22L076-A

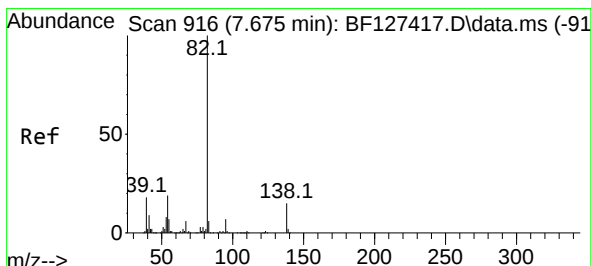
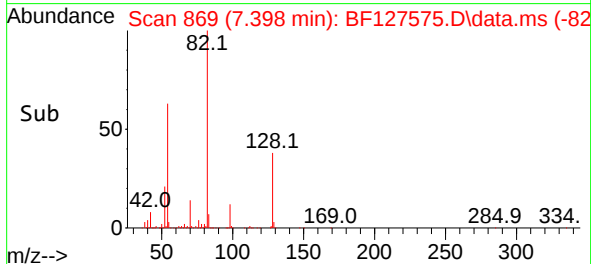
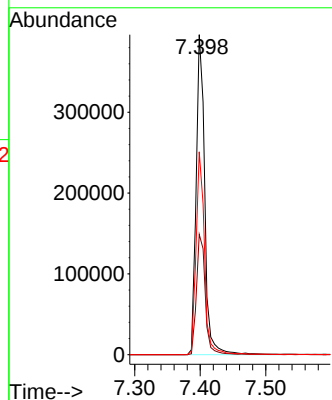
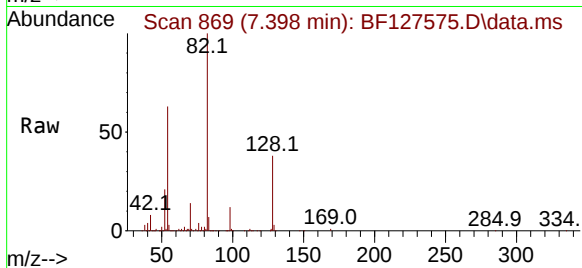
Tgt Ion: 82 Resp: 360455

Ion Ratio Lower Upper

82 100

128 37.6 30.6 45.8

54 63.4 48.2 72.2



#25

Isophorone

Concen: 35.824 ng

RT: 7.398 min Scan# 869

Delta R.T. -0.264 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

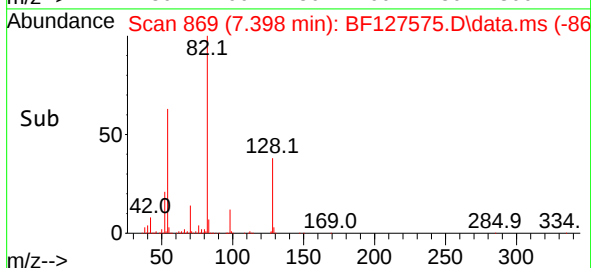
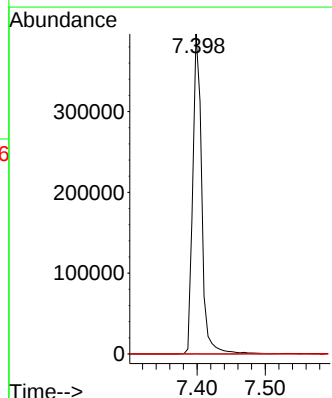
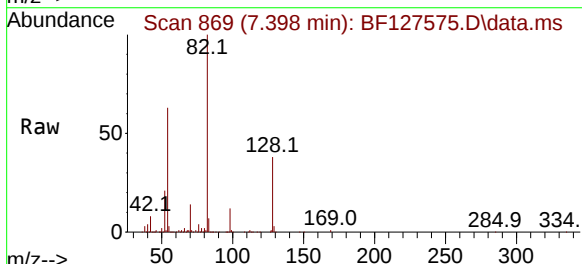
Tgt Ion: 82 Resp: 360491

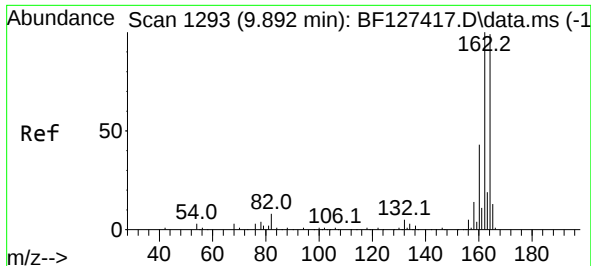
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Instrument :

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ClientSampleId :

22L076-A

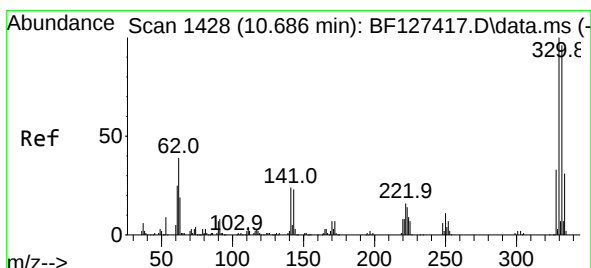
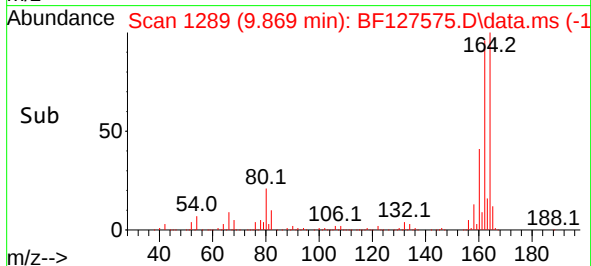
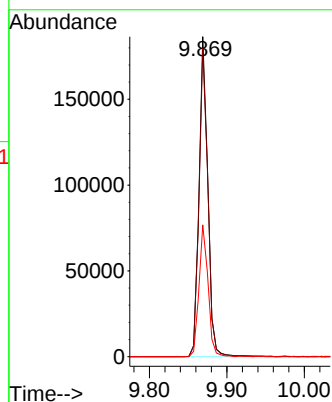
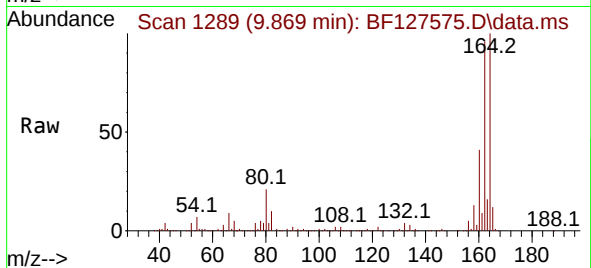
Tgt Ion:164 Resp: 147029

Ion Ratio Lower Upper

164 100

162 96.3 81.2 121.8

160 41.2 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 2.023 ng

RT: 10.669 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

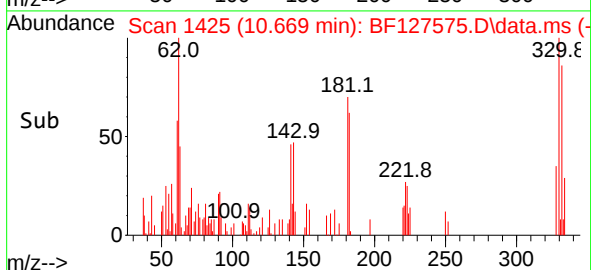
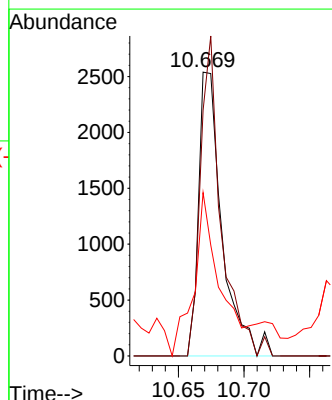
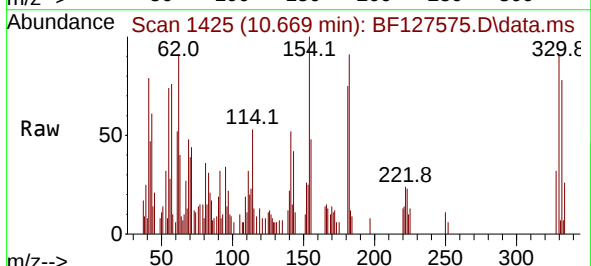
Tgt Ion:330 Resp: 3169

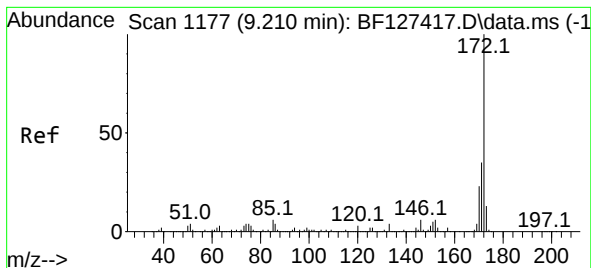
Ion Ratio Lower Upper

330 100

332 99.6 79.1 118.7

141 64.8 26.2 39.4#





#45

2-Fluorobiphenyl

Concen: 59.039 ng

RT: 9.186 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Instrument :

BNA_F

ClientSampleId :

22L076-A

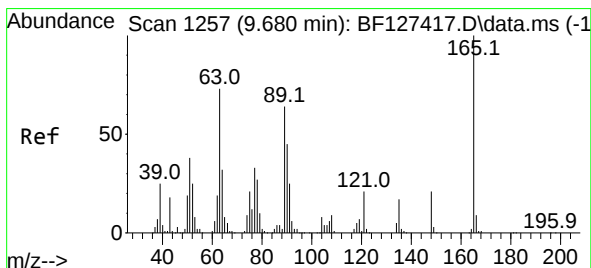
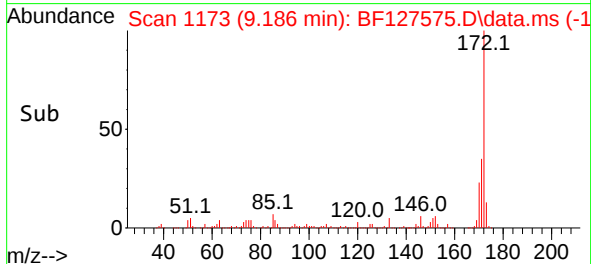
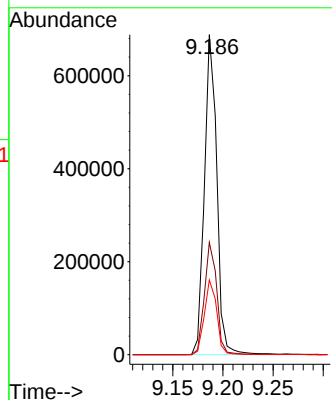
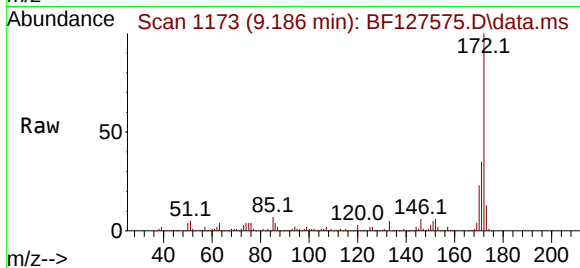
Tgt Ion:172 Resp: 594457

Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.4 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.796 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

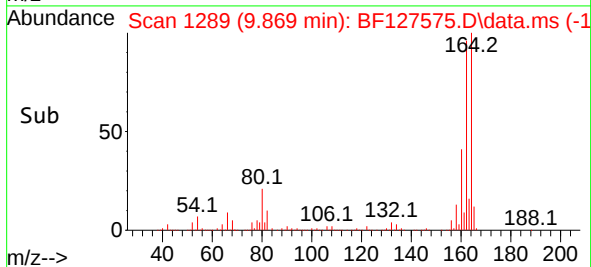
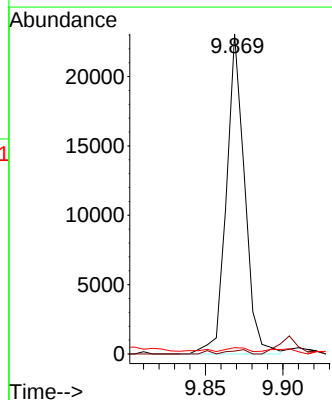
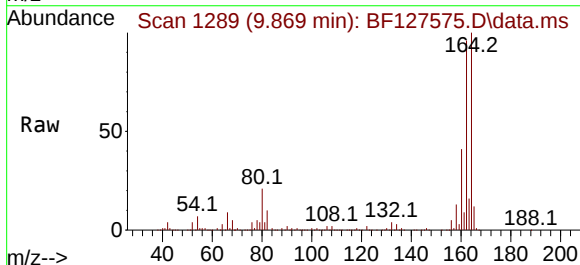
Tgt Ion:165 Resp: 18885

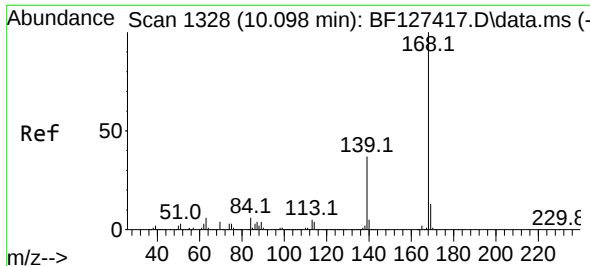
Ion Ratio Lower Upper

165 100

63 0.9 58.3 87.5#

89 2.0 51.5 77.3#

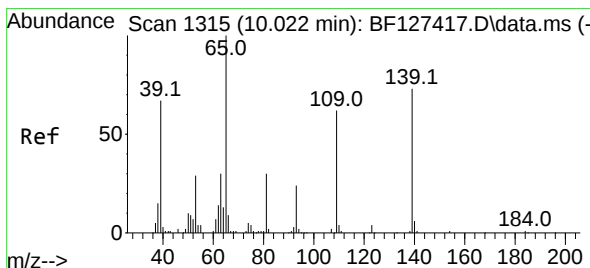
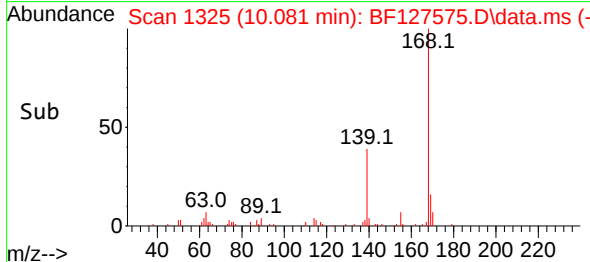
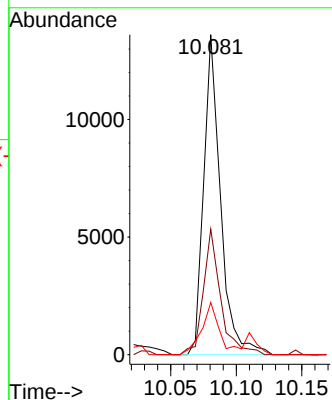
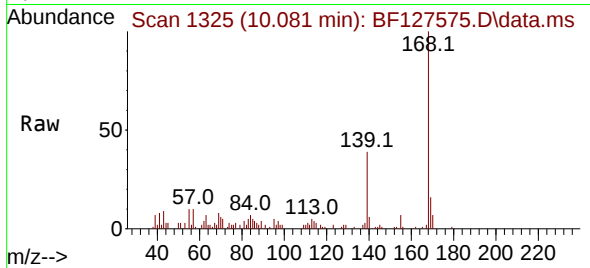




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.081 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

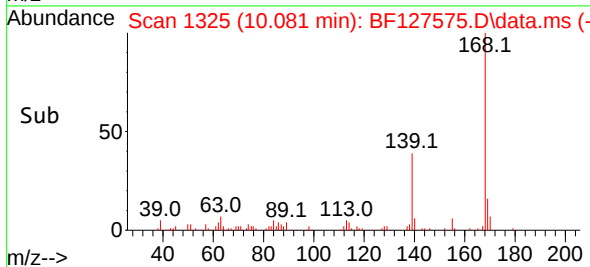
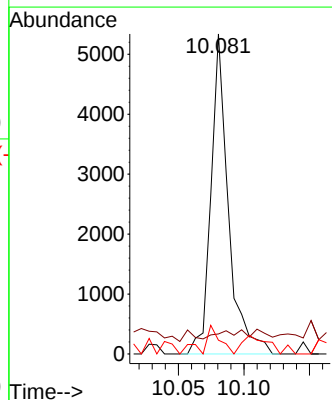
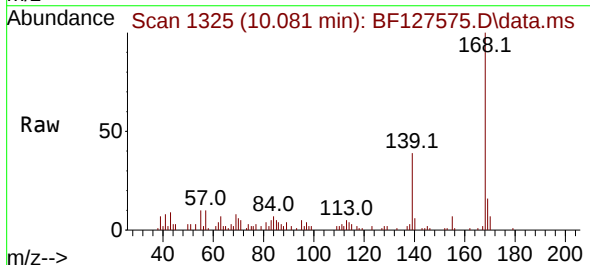
Instrument :
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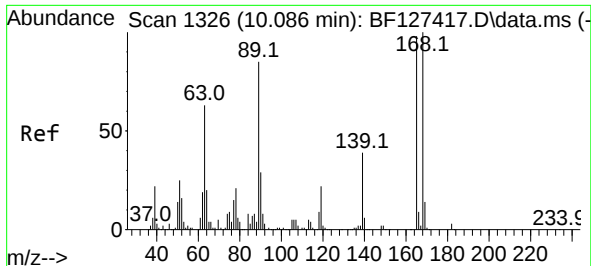
Tgt Ion:168 Resp: 12193
Ion Ratio Lower Upper
168 100
139 39.2 30.3 45.5
169 16.3 10.8 16.2#



#56
4-Nitrophenol
Concen: 4.111 ng
RT: 10.081 min Scan# 1325
Delta R.T. 0.065 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:139 Resp: 4928
Ion Ratio Lower Upper
139 100
109 6.3 64.3 104.3#
65 4.3 117.5 157.5#

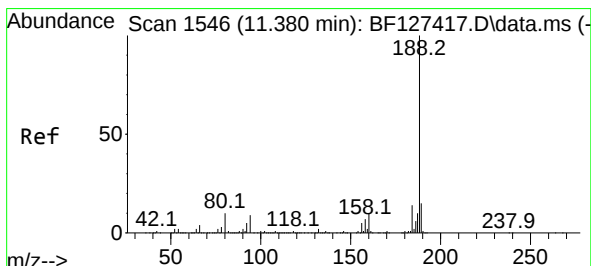
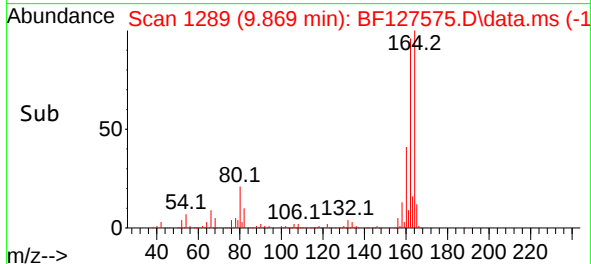
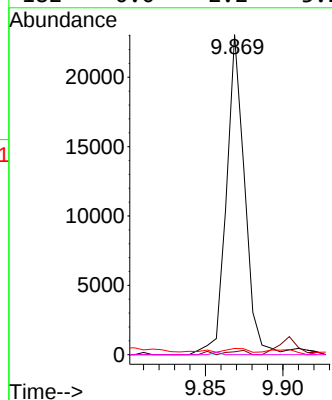
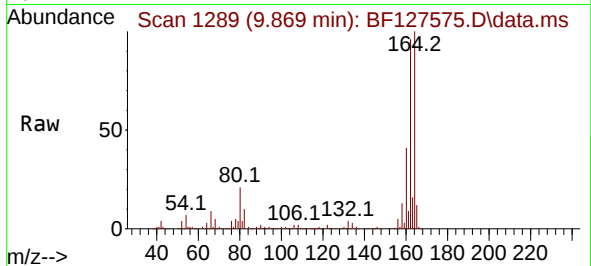




#57
2,4-Dinitrotoluene
Concen: 6.833 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

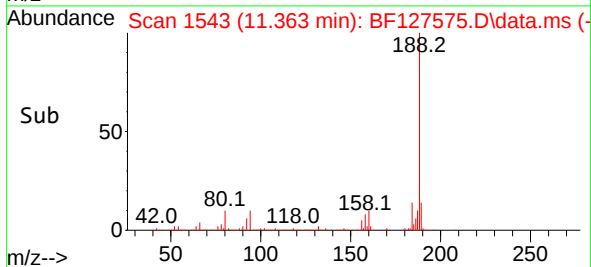
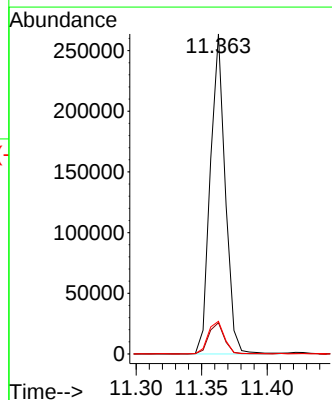
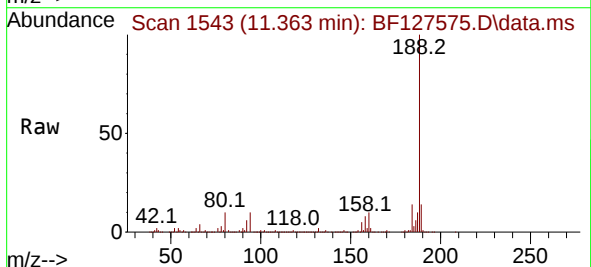
Instrument :
BNA_F
ClientSampleId :
22L076-A

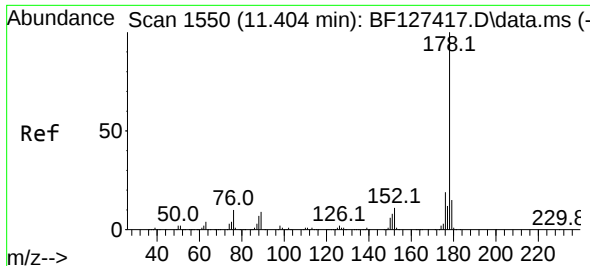
Tgt Ion:165 Resp: 18885
Ion Ratio Lower Upper
165 100
63 0.9 53.1 79.7#
89 2.0 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:188 Resp: 209535
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.2 8.0 12.0

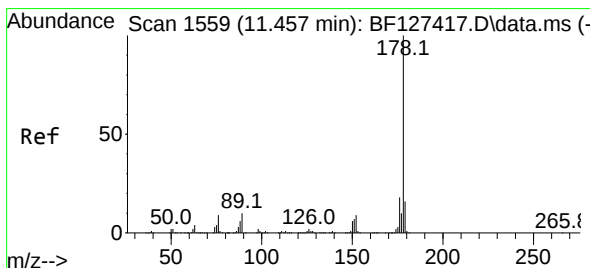
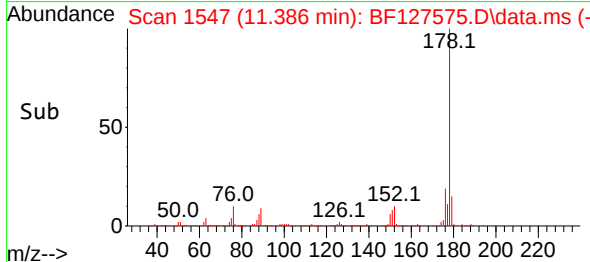
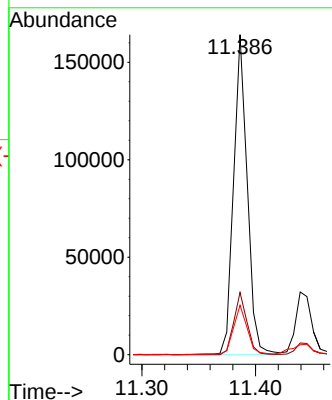
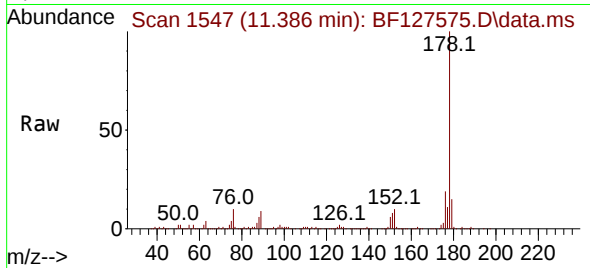




#71
Phenanthrene
Concen: 12.546 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

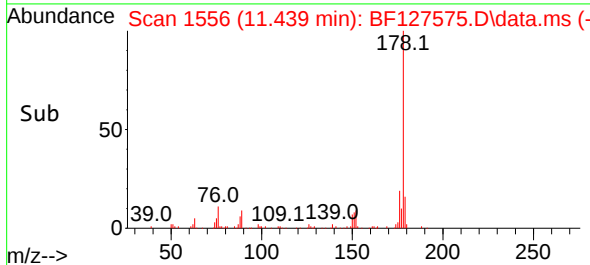
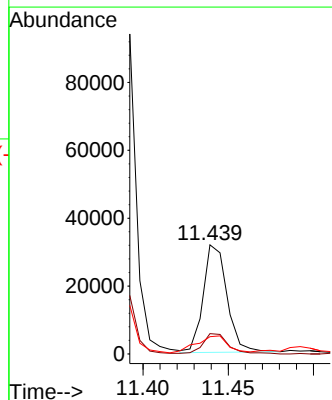
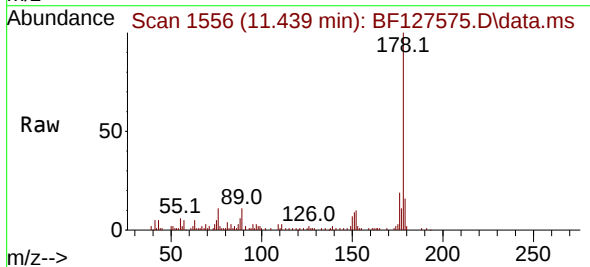
Instrument :
BNA_F
ClientSampleId :
22L076-A

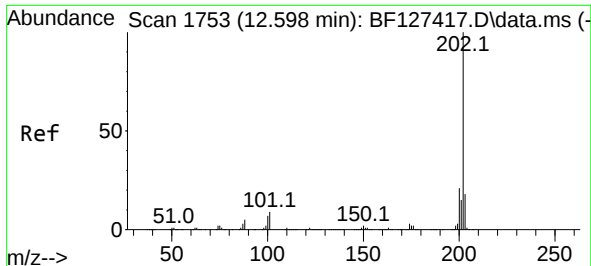
Tgt Ion:178 Resp: 137049
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.4 12.4 18.6



#72
Anthracene
Concen: 2.838 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:178 Resp: 30763
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 15.8 12.4 18.6

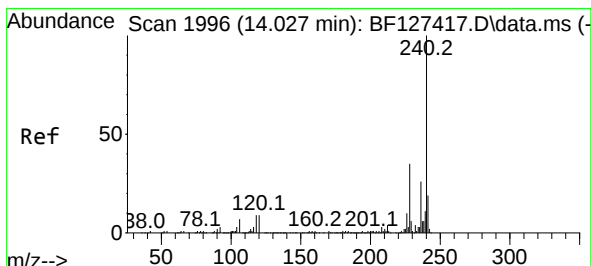
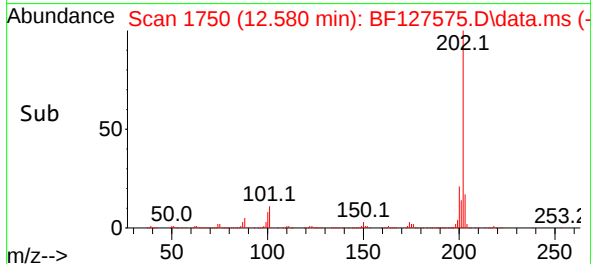
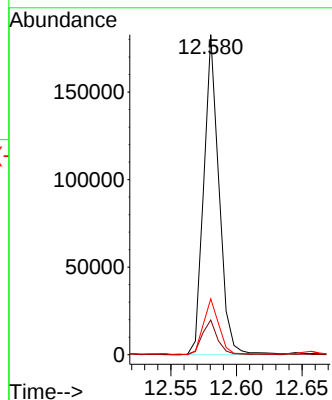
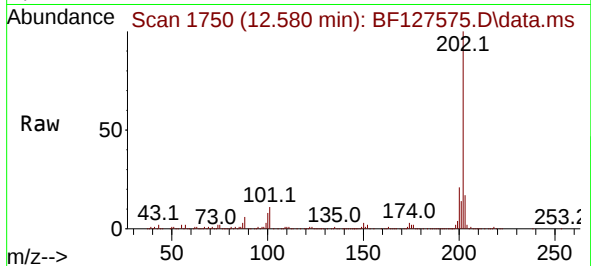




#75
Fluoranthene
Concen: 12.338 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

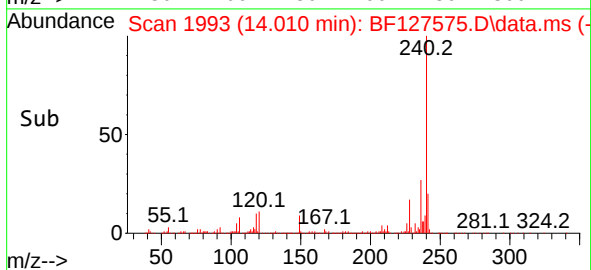
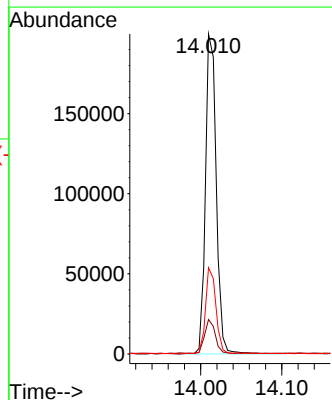
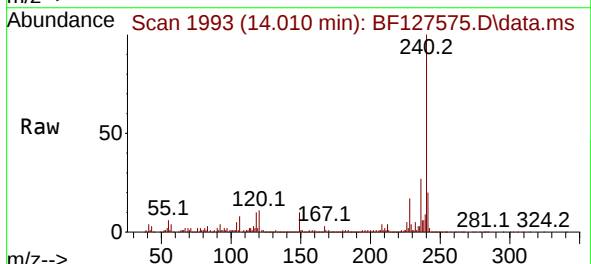
Instrument :
BNA_F
ClientSampleId :
22L076-A

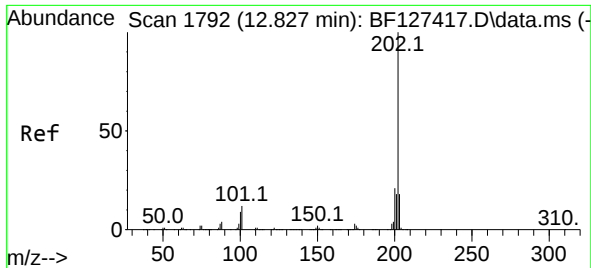
Tgt Ion:202 Resp: 148245
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:240 Resp: 184241
Ion Ratio Lower Upper
240 100
120 10.7 7.1 10.7#
236 27.0 20.7 31.1

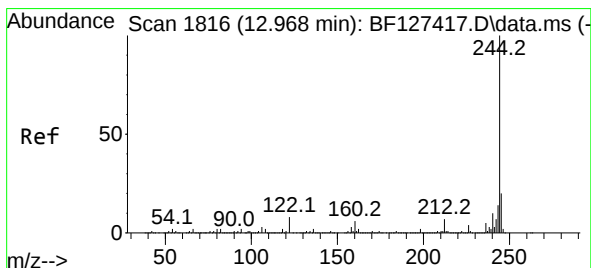
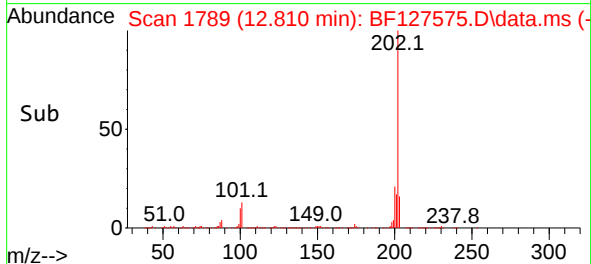
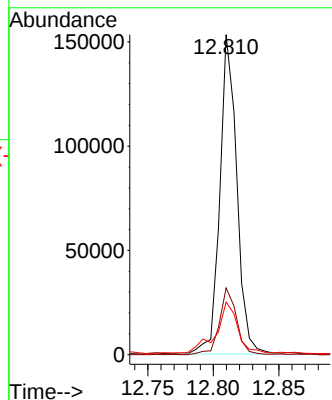
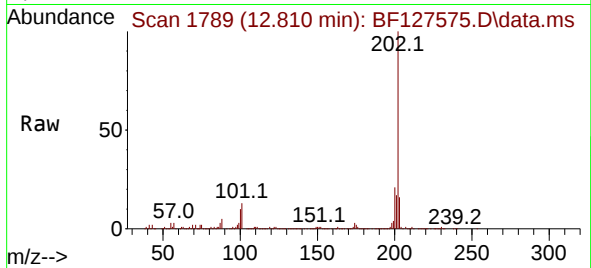




#78
Pyrene
Concen: 8.716 ng
RT: 12.810 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

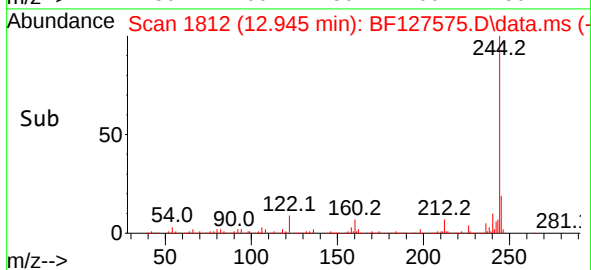
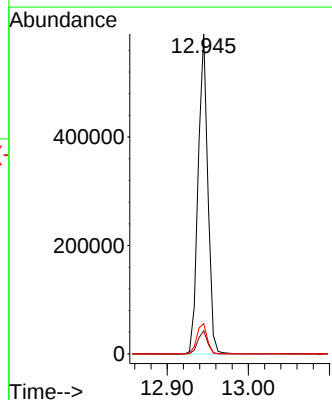
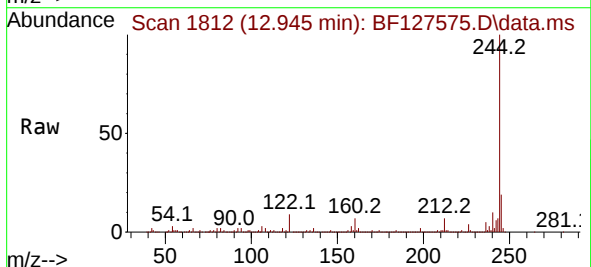
Instrument :
BNA_F
ClientSampleId :
22L076-A

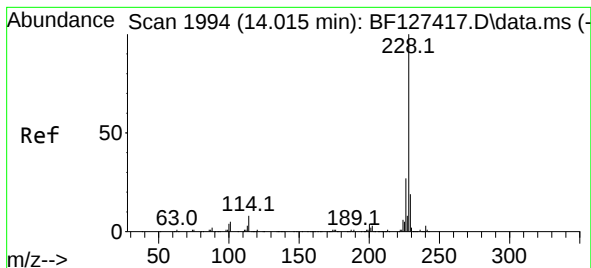
Tgt Ion:202 Resp: 137819
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 16.4 14.3 21.5



#79
Terphenyl-d14
Concen: 43.678 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:244 Resp: 491585
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 9.5 6.2 9.2#





#81

Benzo(a)anthracene

Concen: 5.900 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Instrument :

BNA_F

ClientSampleId :

22L076-A

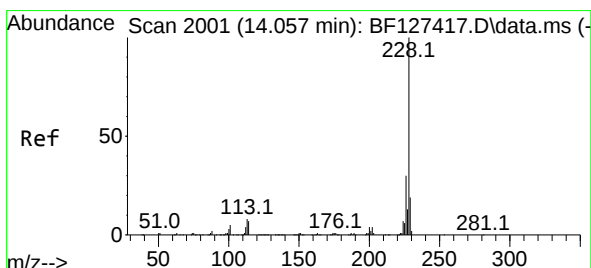
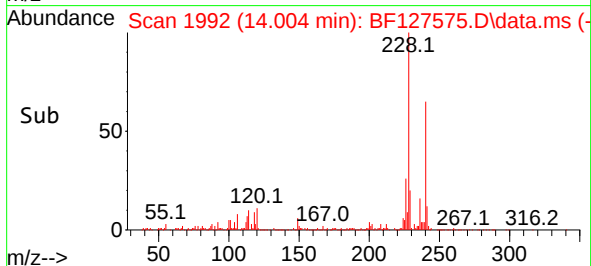
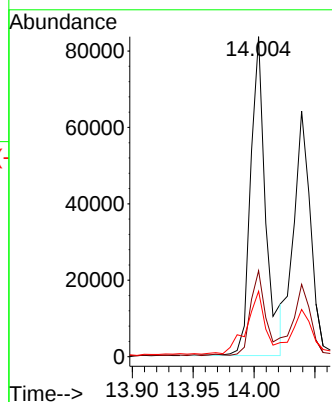
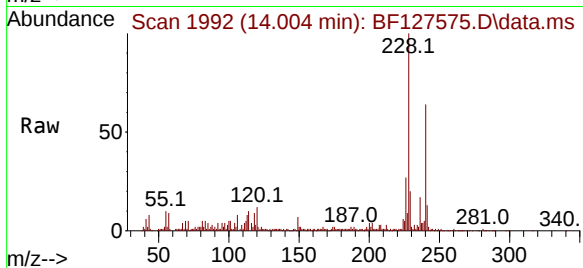
Tgt Ion:228 Resp: 72698

Ion Ratio Lower Upper

228 100

226 26.9 21.6 32.4

229 20.4 15.4 23.2



#83

Chrysene

Concen: 5.282 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

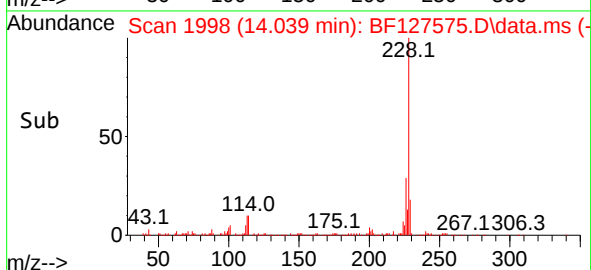
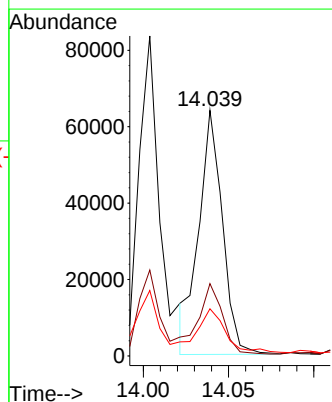
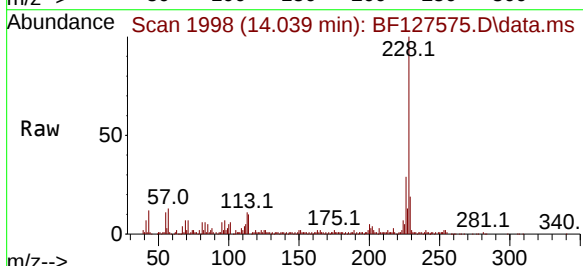
Tgt Ion:228 Resp: 61628

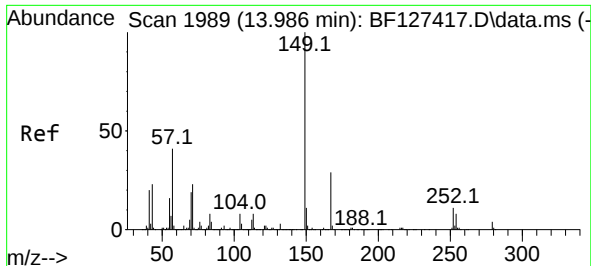
Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.4

229 19.2 15.4 23.2

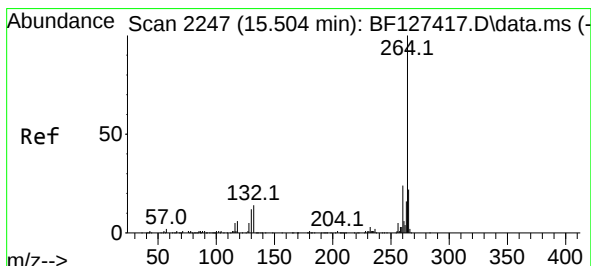
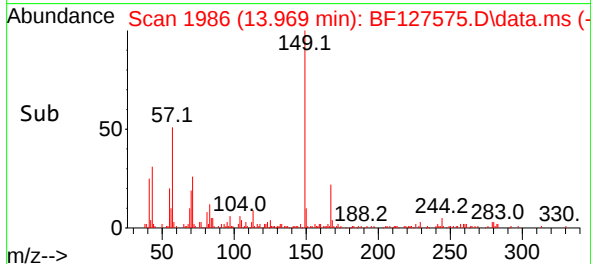
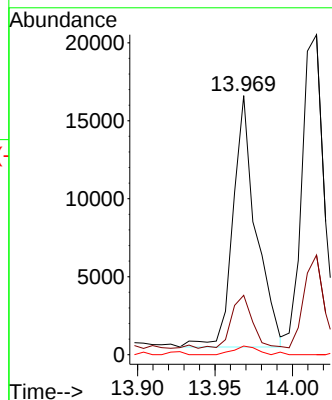
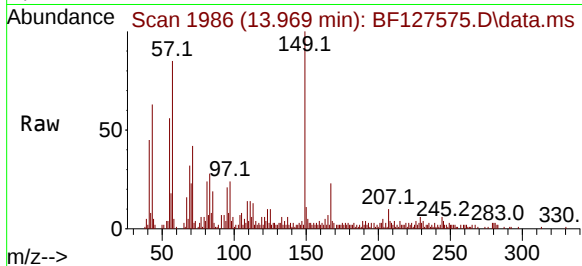




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.771 ng
 RT: 13.969 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: BF127575.D
 Acq: 29 Mar 2022 19:49

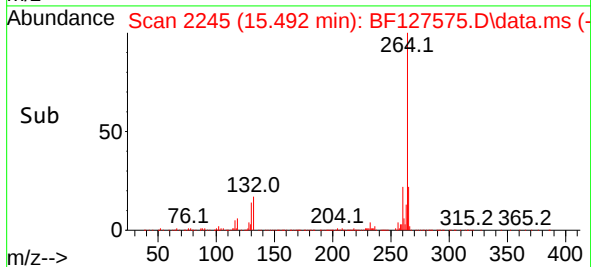
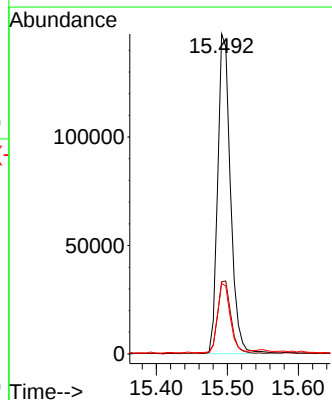
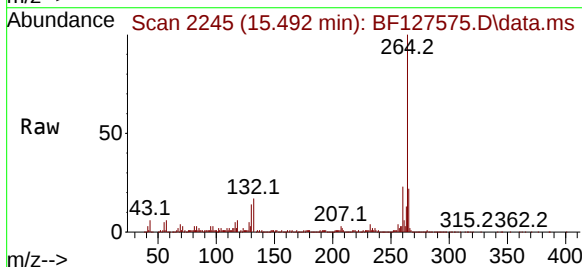
Instrument :
 BNA_F
 ClientSampleId :
 22L076-A

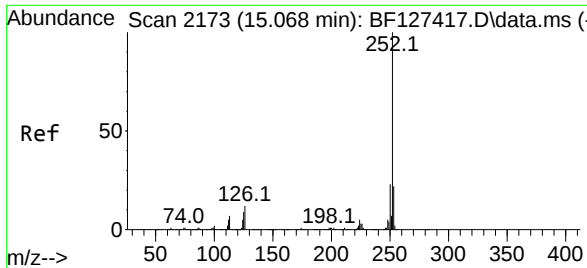
Tgt Ion:149 Resp: 16668
 Ion Ratio Lower Upper
 149 100
 167 22.9 22.9 34.3
 279 3.3 3.2 4.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 2245
 Delta R.T. 0.000 min
 Lab File: BF127575.D
 Acq: 29 Mar 2022 19:49

Tgt Ion:264 Resp: 183361
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.1 28.7
 265 22.1 17.4 26.2

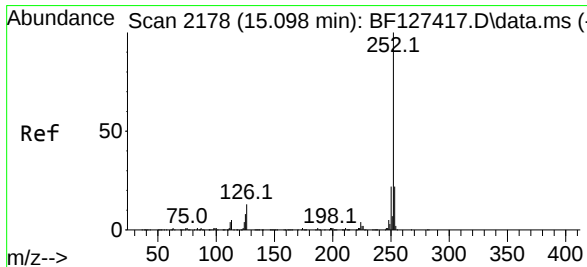
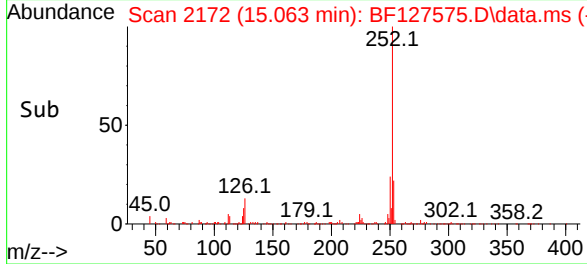
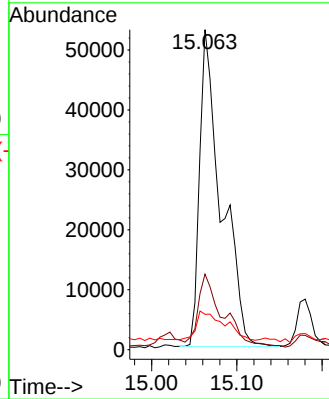
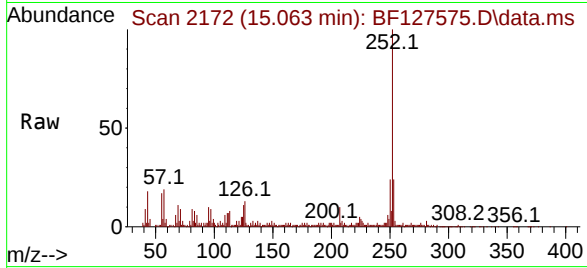




#88
Benzo(b)fluoranthene
Concen: 8.083 ng
RT: 15.063 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

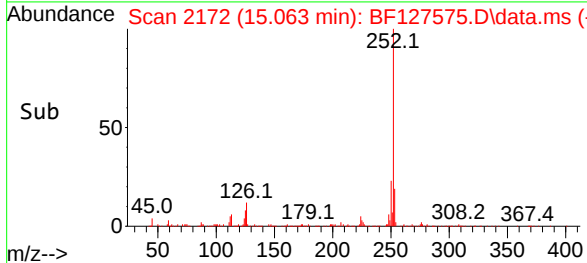
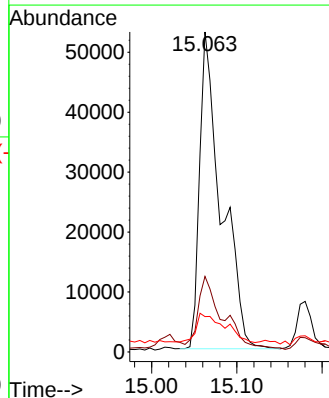
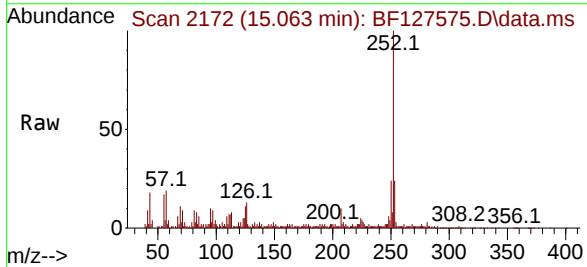
Instrument :
BNA_F
ClientSampleId :
22L076-A

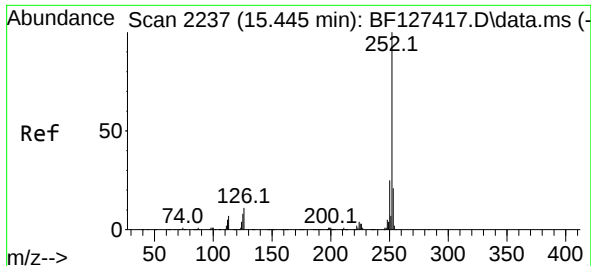
Tgt Ion:252 Resp: 93450
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 11.1 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 7.797 ng
RT: 15.063 min Scan# 2172
Delta R.T. -0.023 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:252 Resp: 93450
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 11.1 6.9 10.3#

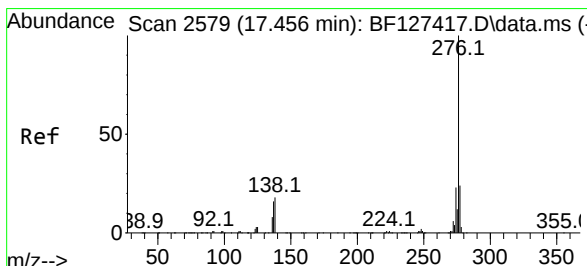
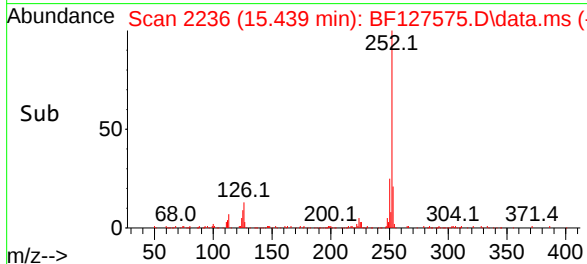
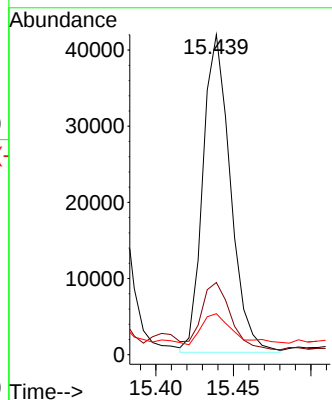
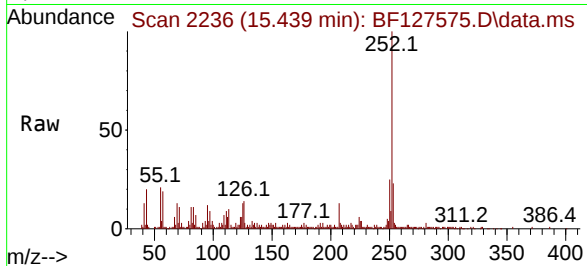




#90
Benzo(a)pyrene
Concen: 5.424 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Instrument :
BNA_F
ClientSampleId :
22L076-A

Tgt Ion:252 Resp: 51463
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 12.8 6.7 10.1#



#92
Benzo(g,h,i)perylene
Concen: 2.117 ng
RT: 17.480 min Scan# 2583
Delta R.T. 0.035 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:276 Resp: 22416
Ion Ratio Lower Upper
276 100
277 26.8 19.0 28.4
138 19.9 14.6 22.0

