

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032122\
 Data File : BF127433.D
 Acq On : 22 Mar 2022 04:14
 Operator : CG\JU
 Sample : N1958-22
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7

Quant Time: Mar 22 05:07:39 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 22 02:16:33 2022
 Response via : Initial Calibration

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

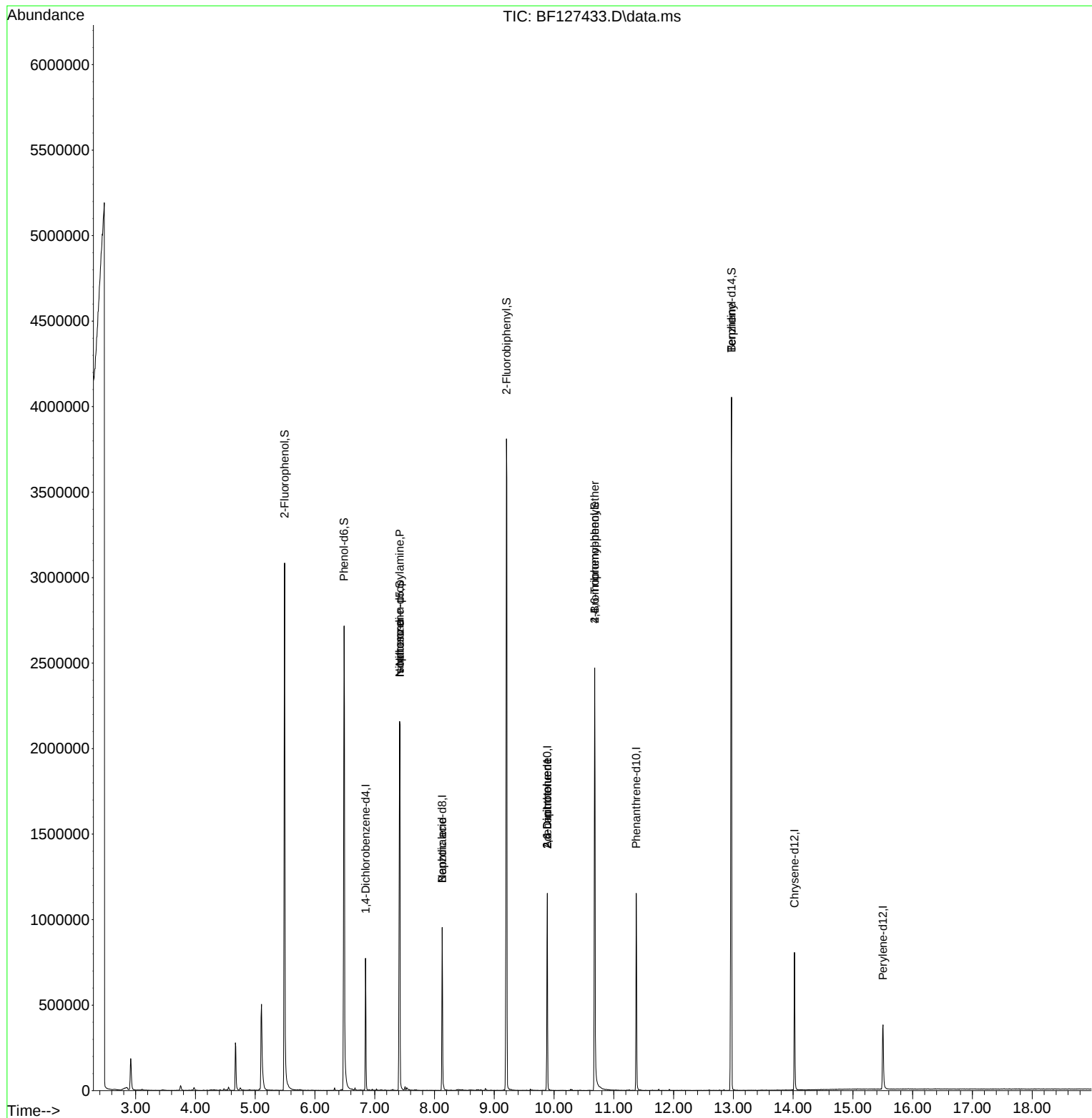
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	101672	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	375372	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	219378	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	400290	20.000	ng	0.00
76) Chrysene-d12	14.021	240	279482	20.000	ng	0.00
86) Perylene-d12	15.504	264	190911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	816265	128.151	ng	0.02
7) Phenol-d6	6.487	99	1033446	118.696	ng	0.00
23) Nitrobenzene-d5	7.416	82	841524	95.829	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	329827	141.137	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1379891	91.849	ng	0.00
79) Terphenyl-d14	12.969	244	1615675	94.635	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.487	77	1651	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.416	70	116513	22.325	ng	# 77
25) Isophorone	7.416	82	841517	60.167	ng	# 70
32) Benzoic acid	8.128	122	65	6.061	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	28317	8.839	ng	# 17
55) Dibenzofuran	10.104	168	415	Below Cal	#	75
57) 2,4-Dinitrotoluene	9.886	165	28317	6.867	ng	# 14
58) Fluorene	10.439	166	580	Below Cal	#	84
67) 4-Bromophenyl-phenylether	10.681	248	21400	4.579	ng	# 1
77) Benzidine	12.969	184	19897	2.986	ng	# 94

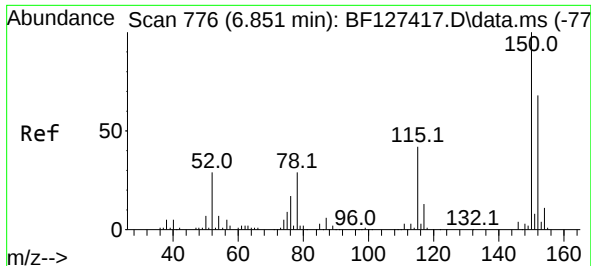
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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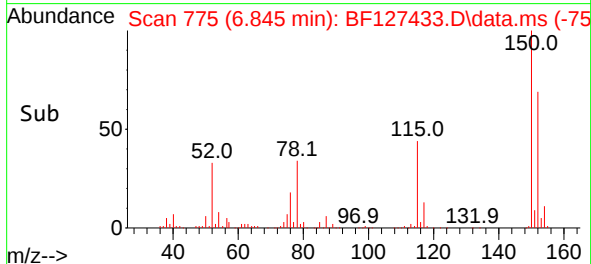
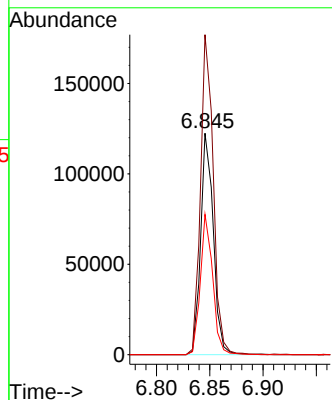
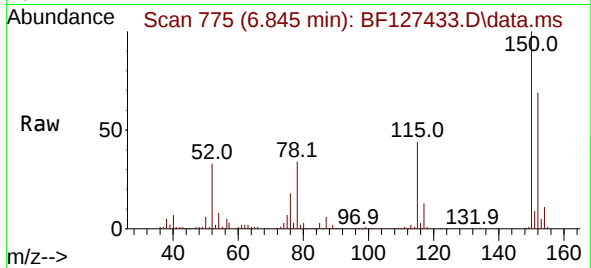




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

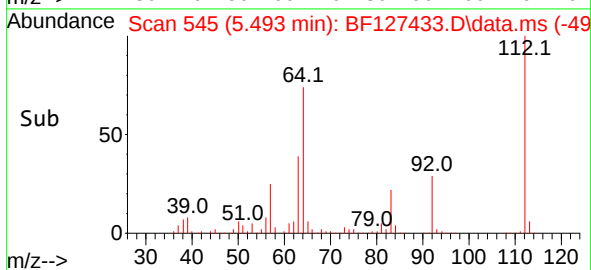
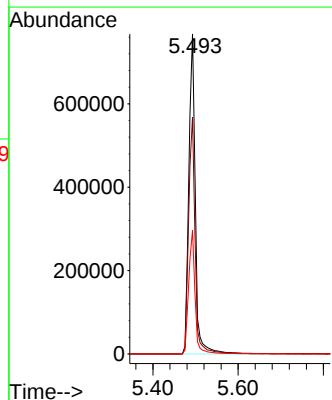
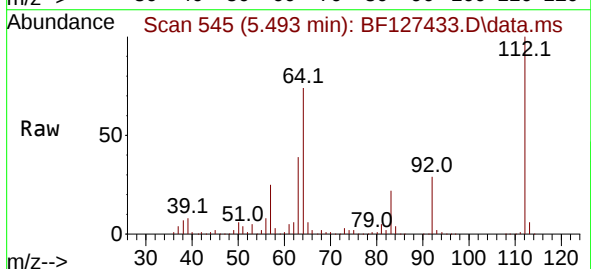
Instrument :
BNA_F
ClientSampleId :
C-7-6-7

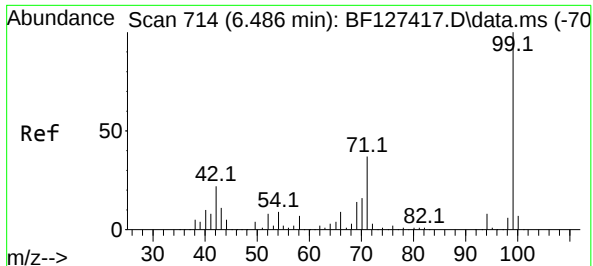
Tgt Ion:152 Resp: 101672
Ion Ratio Lower Upper
152 100
150 144.5 117.2 175.8
115 63.3 49.8 74.6



#5
2-Fluorophenol
Concen: 128.151 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.024 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

Tgt Ion:112 Resp: 816265
Ion Ratio Lower Upper
112 100
64 73.9 58.4 87.6
63 38.6 30.1 45.1

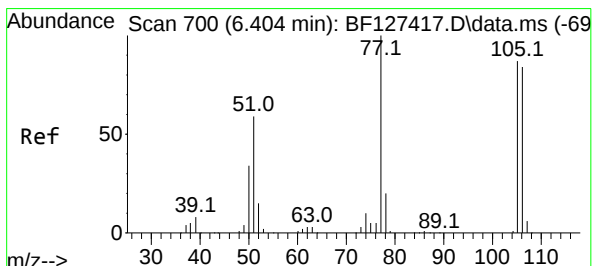
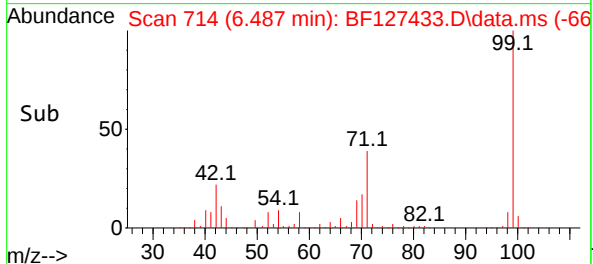
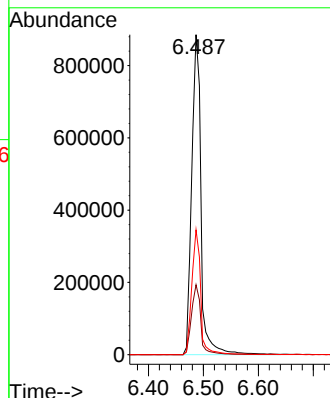
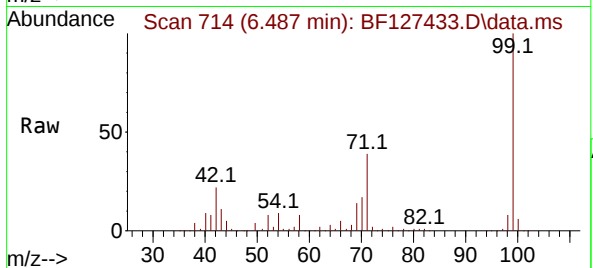




#7
Phenol-d6
Concen: 118.696 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

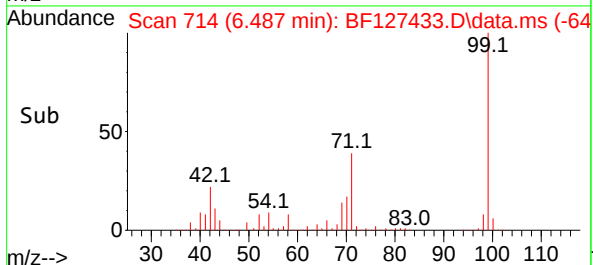
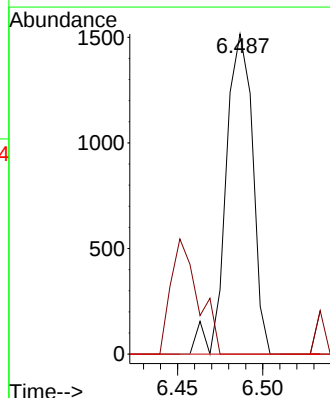
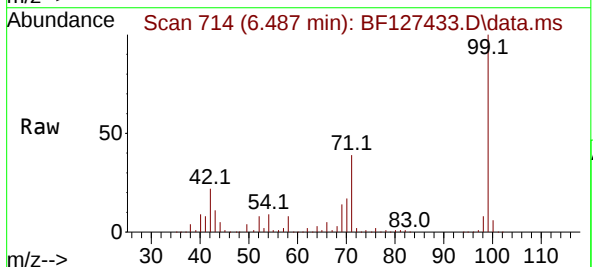
Instrument :
BNA_F
ClientSampleId :
C-7-6-7

Tgt Ion: 99 Resp: 1033446
Ion Ratio Lower Upper
99 100
42 21.9 17.8 26.6
71 39.0 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.487 min Scan# 714
Delta R.T. 0.083 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

Tgt Ion: 77 Resp: 1651
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 22.325 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127433.D

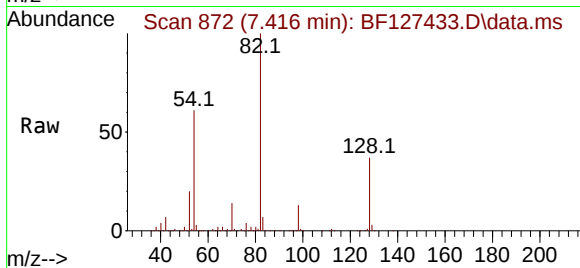
Acq: 22 Mar 2022 04:14

Instrument :

BNA_F

ClientSampleId :

C-7-6-7



Tgt Ion: 70 Resp: 116513

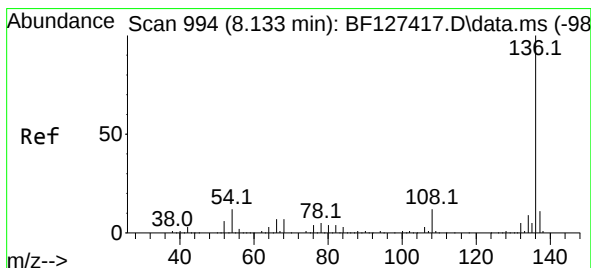
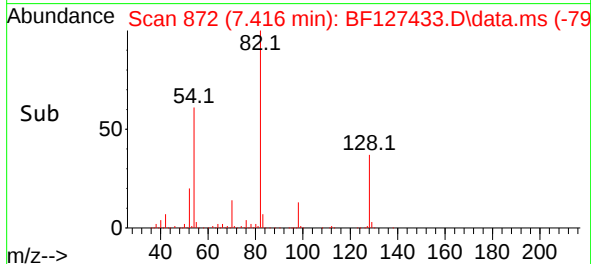
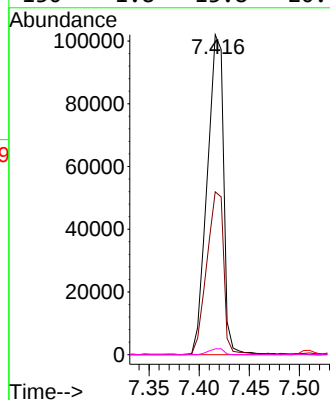
Ion Ratio Lower Upper

70 100

42 50.9 53.0 79.6#

101 0.0 6.8 10.2#

130 1.8 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

Tgt Ion: 136 Resp: 375372

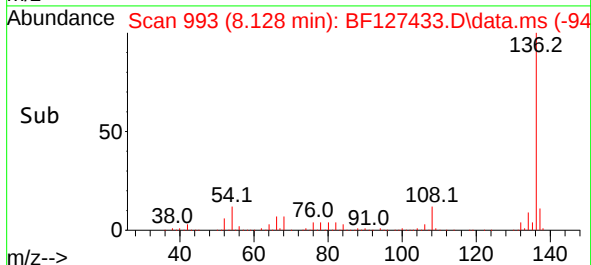
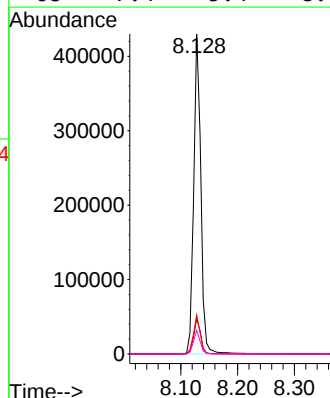
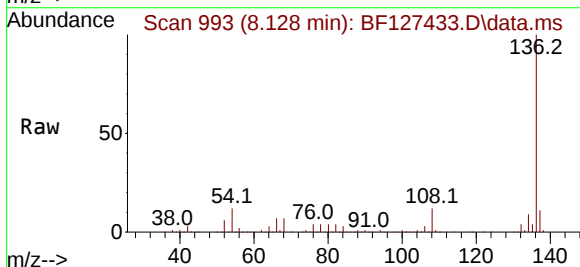
Ion Ratio Lower Upper

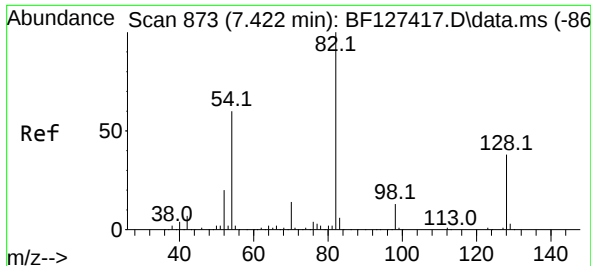
136 100

137 11.0 8.6 13.0

54 12.2 9.2 13.8

68 7.4 5.4 8.0





#23

Nitrobenzene-d5

Concen: 95.829 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

Instrument :

BNA_F

ClientSampleId :

C-7-6-7

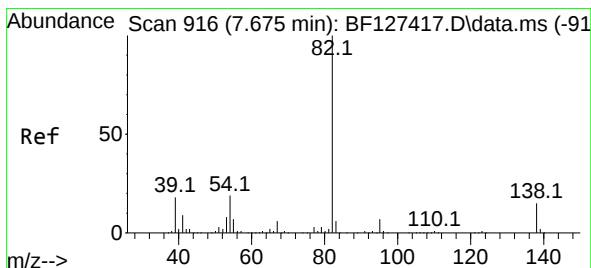
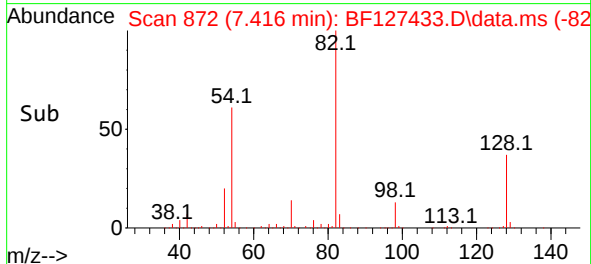
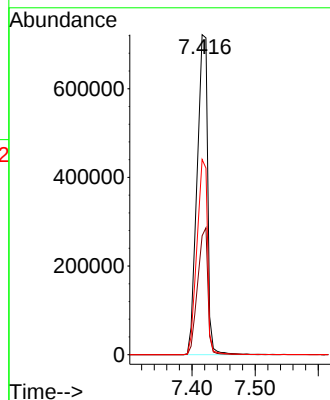
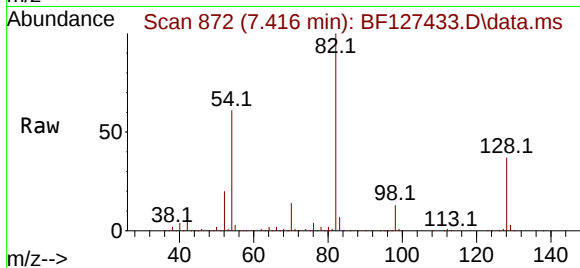
Tgt Ion: 82 Resp: 841524

Ion Ratio Lower Upper

82 100

128 37.2 30.6 45.8

54 61.0 48.2 72.2



#25

Isophorone

Concen: 60.167 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

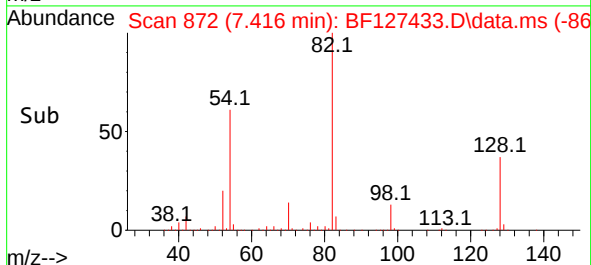
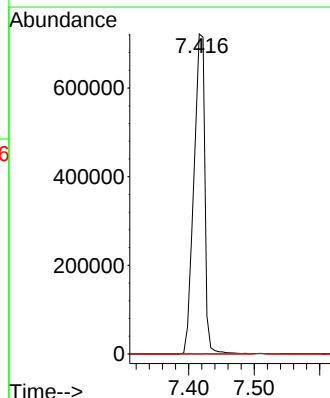
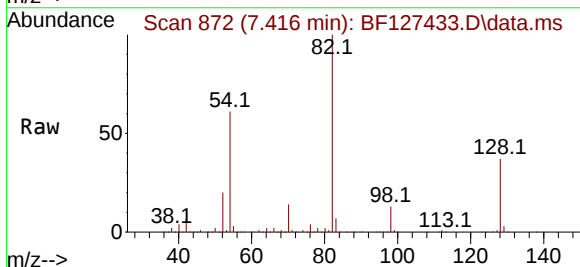
Tgt Ion: 82 Resp: 841517

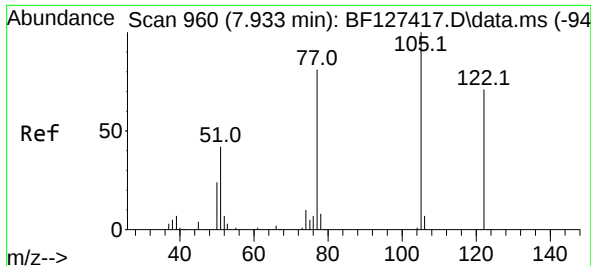
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

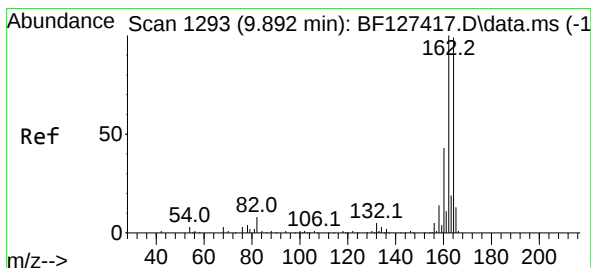
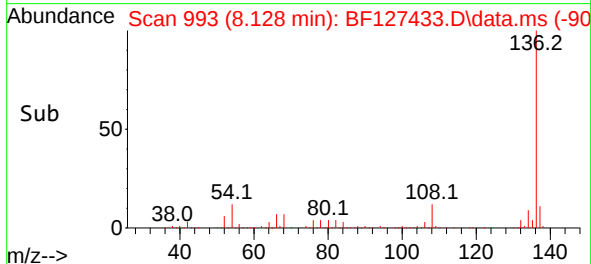
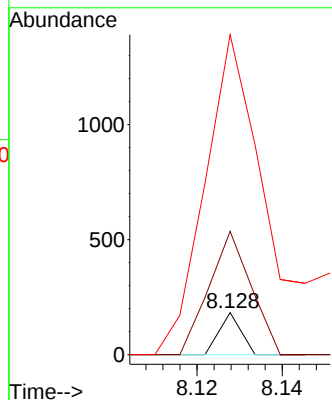
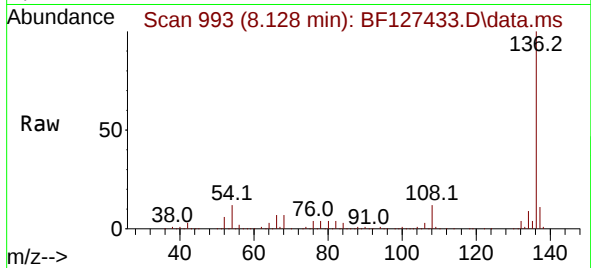




#32
Benzoic acid
Concen: 6.061 ng
RT: 8.128 min Scan# 91
Delta R.T. 0.195 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

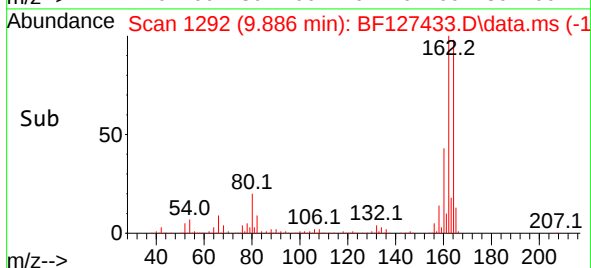
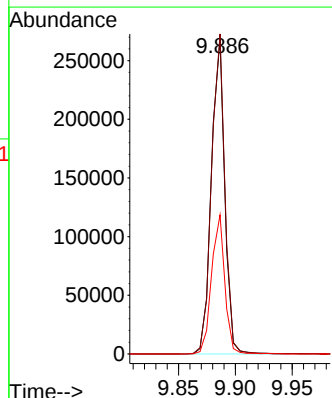
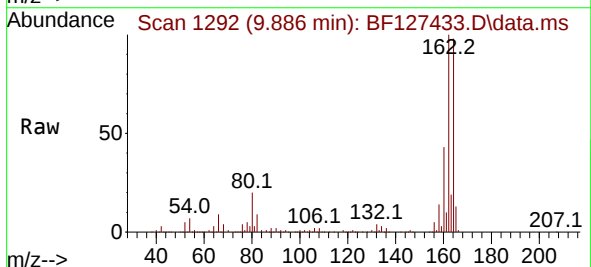
Instrument :
BNA_F
ClientSampleId :
C-7-6-7

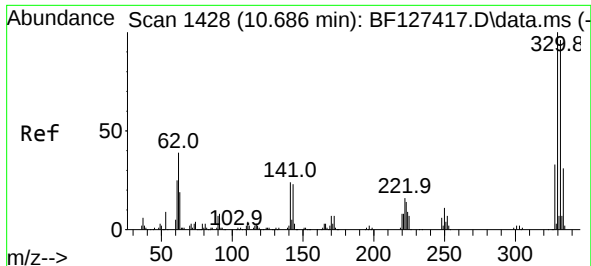
Tgt Ion:122 Resp: 65
Ion Ratio Lower Upper
122 100
105 292.9 117.1 157.1#
77 760.1 93.0 133.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

Tgt Ion:164 Resp: 219378
Ion Ratio Lower Upper
164 100
162 101.6 81.2 121.8
160 44.2 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 141.137 ng

RT: 10.681 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

Instrument :

BNA_F

ClientSampleId :

C-7-6-7

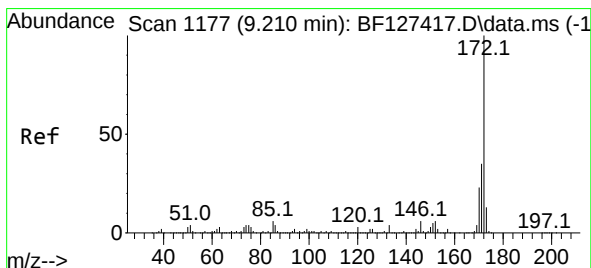
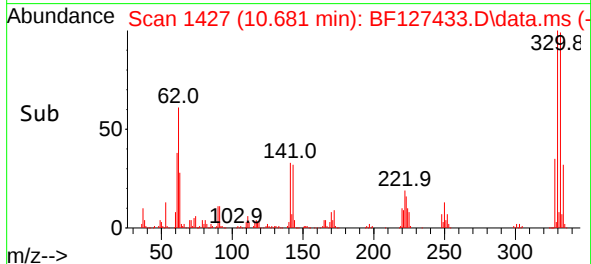
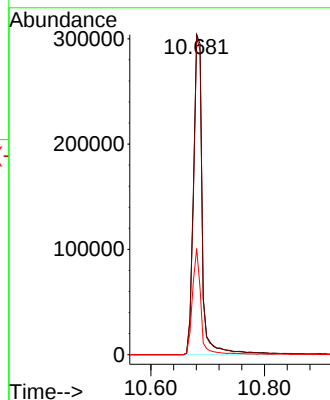
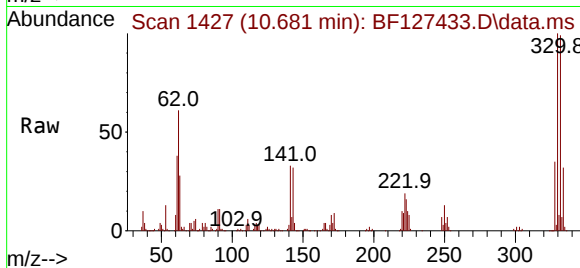
Tgt Ion:330 Resp: 329827

Ion Ratio Lower Upper

330 100

332 97.8 79.1 118.7

141 31.5 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 91.849 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

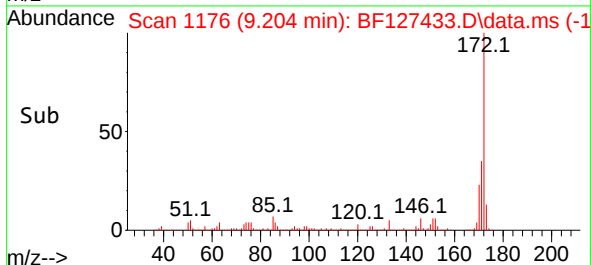
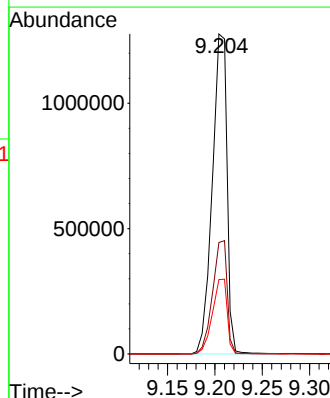
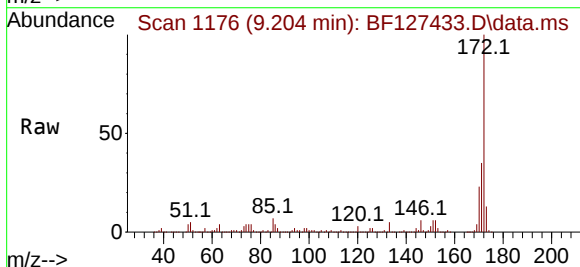
Tgt Ion:172 Resp: 1379891

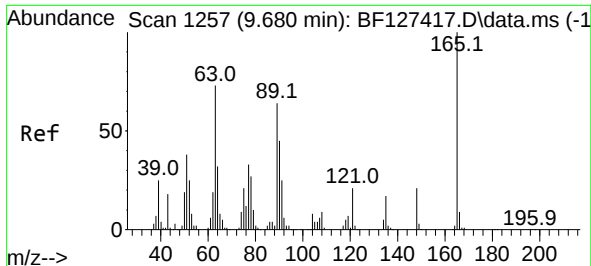
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.3 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.839 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

Instrument :

BNA_F

ClientSampleId :

C-7-6-7

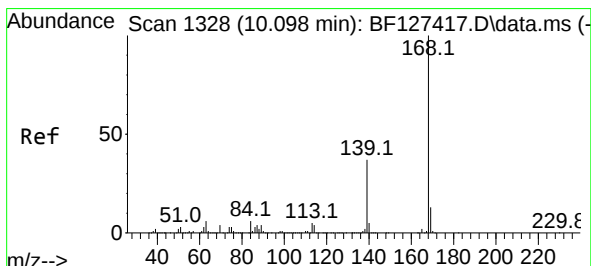
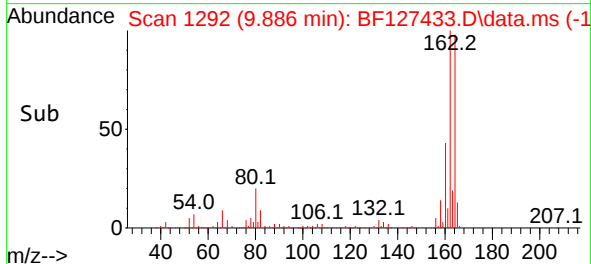
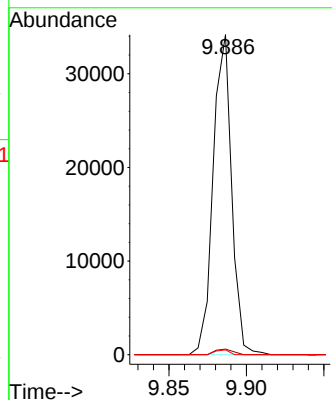
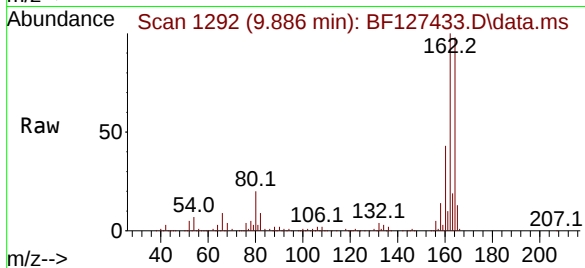
Tgt Ion:165 Resp: 28317

Ion Ratio Lower Upper

165 100

63 1.8 58.3 87.5#

89 1.5 51.5 77.3#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.104 min Scan# 1329

Delta R.T. 0.006 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

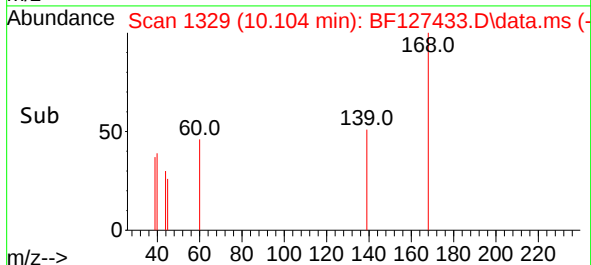
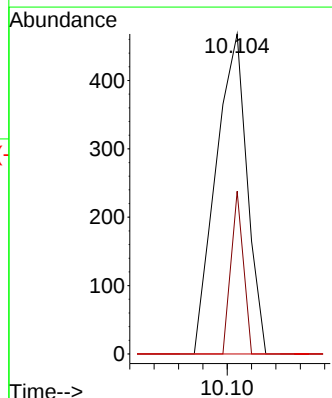
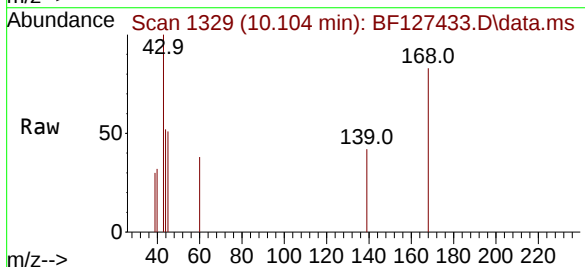
Tgt Ion:168 Resp: 415

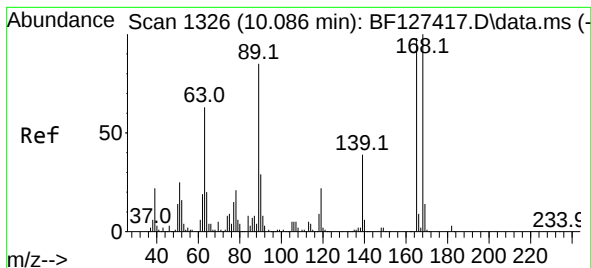
Ion Ratio Lower Upper

168 100

139 50.9 30.3 45.5#

169 0.0 10.8 16.2#

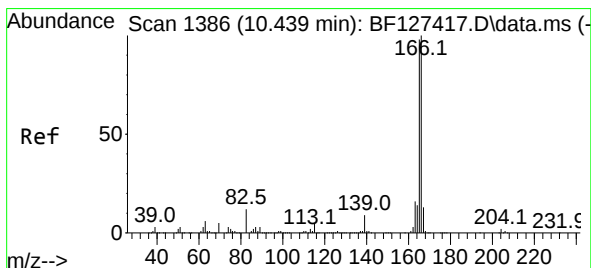
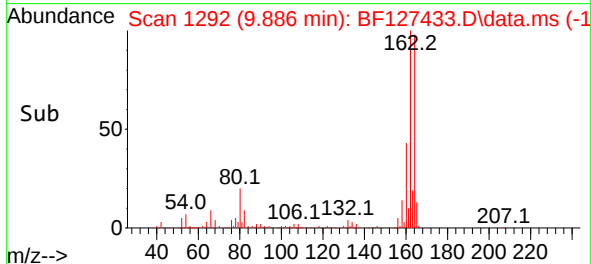
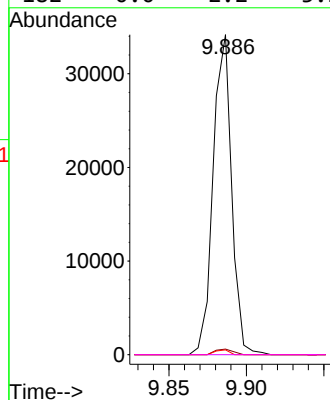
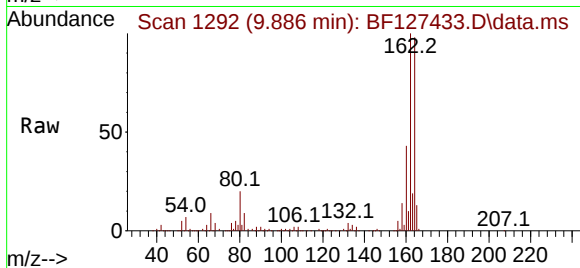




#57
2,4-Dinitrotoluene
Concen: 6.867 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

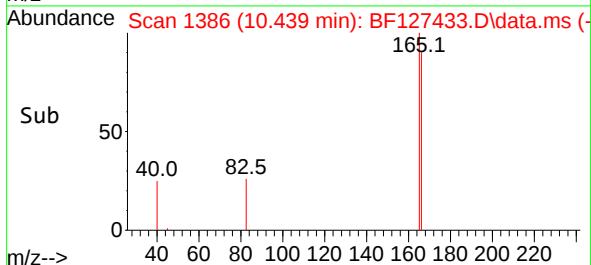
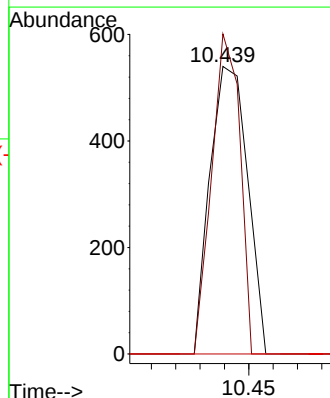
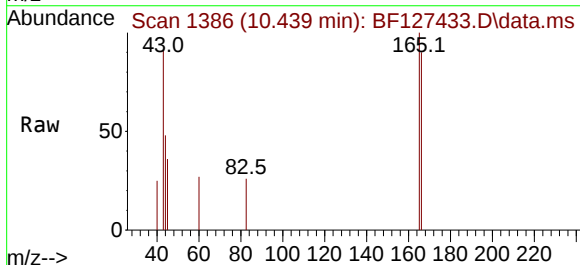
Instrument :
BNA_F
ClientSampleId :
C-7-6-7

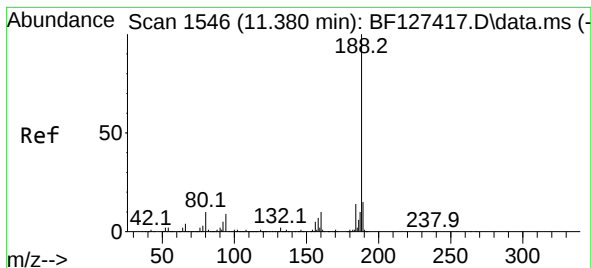
Tgt Ion:165 Resp: 28317
Ion Ratio Lower Upper
165 100
63 1.8 53.1 79.7#
89 1.5 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF127433.D
Acq: 22 Mar 2022 04:14

Tgt Ion:166 Resp: 580
Ion Ratio Lower Upper
166 100
165 111.3 78.1 117.1
167 0.0 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

Instrument :

BNA_F

ClientSampleId :

C-7-6-7

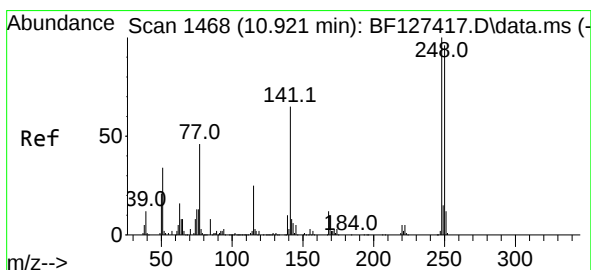
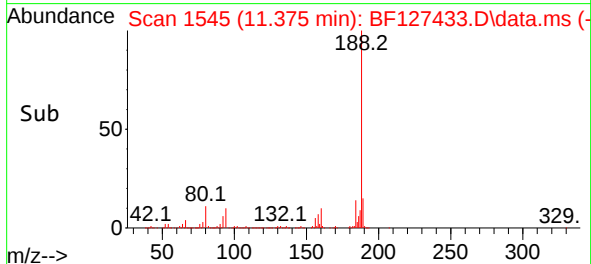
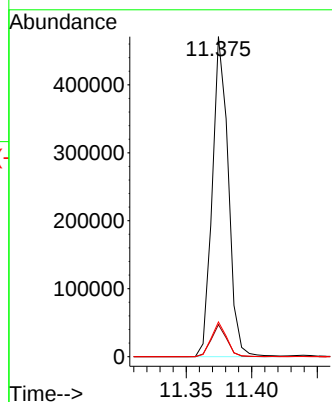
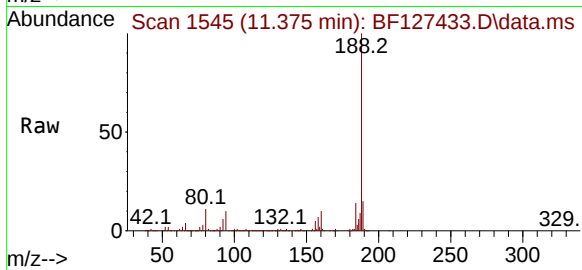
Tgt Ion:188 Resp: 400290

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.0

80 10.9 8.0 12.0



#67

4-Bromophenyl-phenylether

Concen: 4.579 ng

RT: 10.681 min Scan# 1427

Delta R.T. -0.241 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

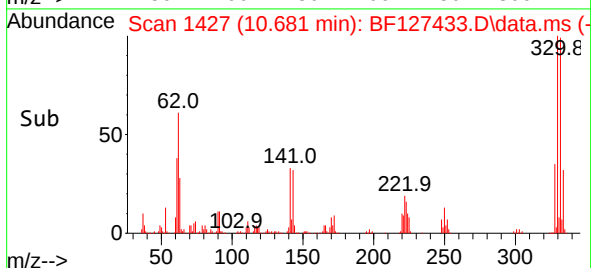
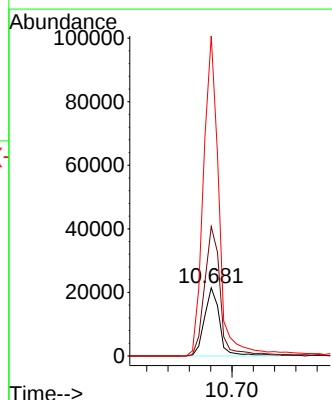
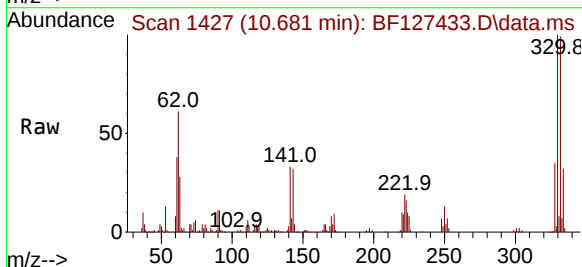
Tgt Ion:248 Resp: 21400

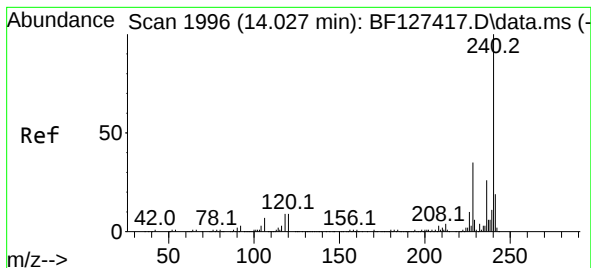
Ion Ratio Lower Upper

248 100

250 189.9 76.6 115.0#

141 469.6 52.2 78.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

Instrument :

BNA_F

ClientSampleId :

C-7-6-7

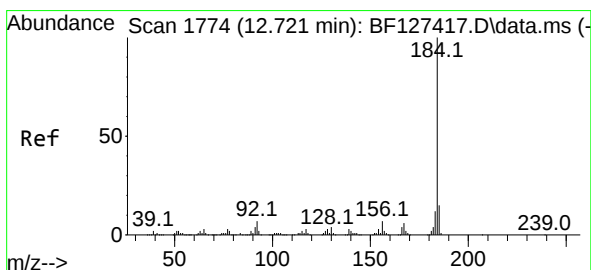
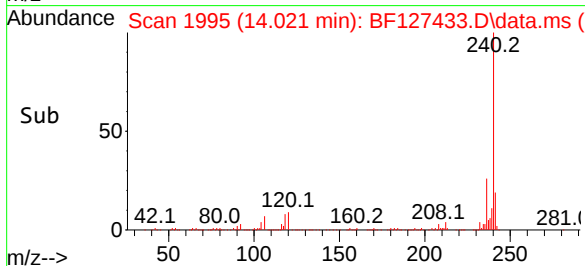
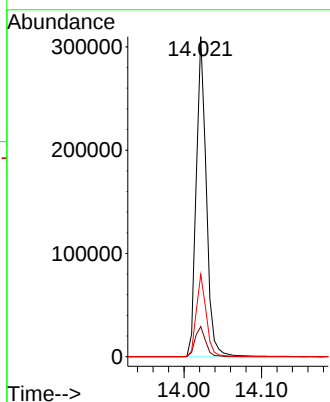
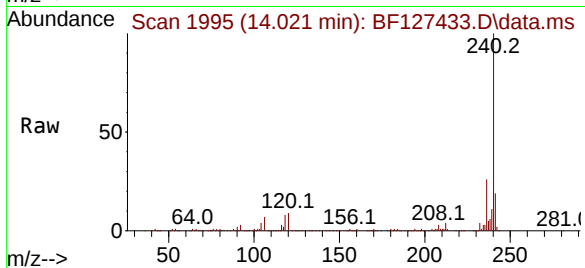
Tgt Ion:240 Resp: 279482

Ion Ratio Lower Upper

240 100

120 9.4 7.1 10.7

236 25.7 20.7 31.1



#77

Benzidine

Concen: 2.986 ng

RT: 12.969 min Scan# 1816

Delta R.T. 0.247 min

Lab File: BF127433.D

Acq: 22 Mar 2022 04:14

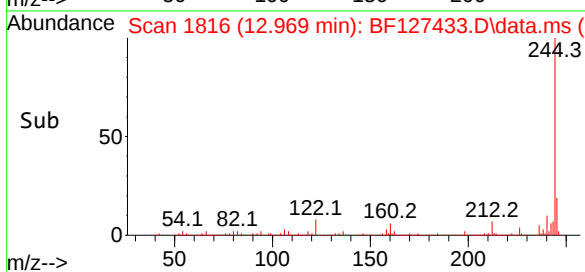
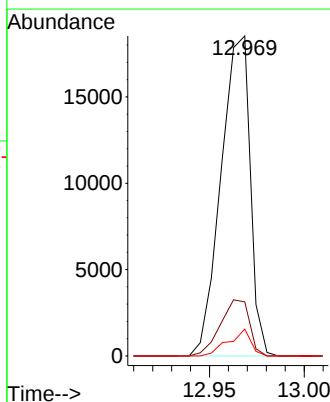
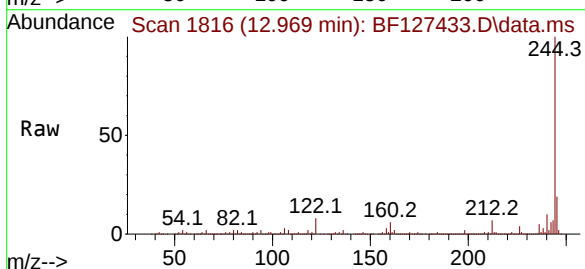
Tgt Ion:184 Resp: 19897

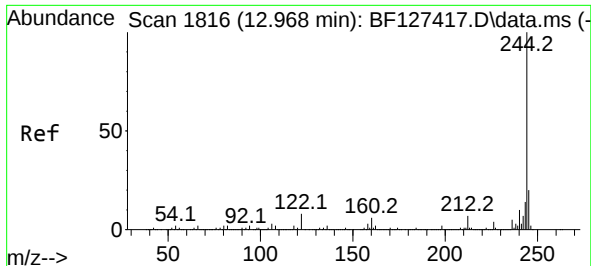
Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.2

183 8.4 9.4 14.0#

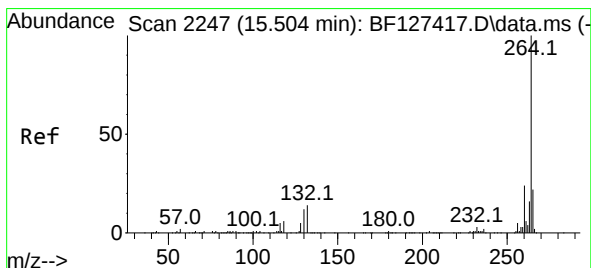
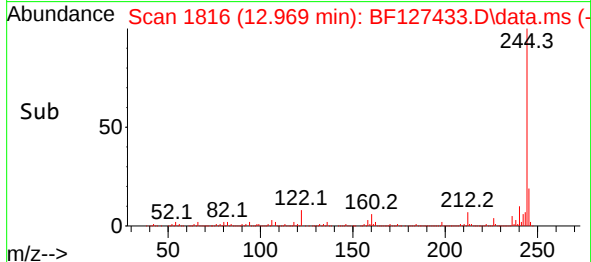
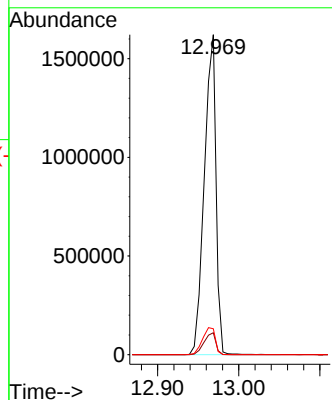
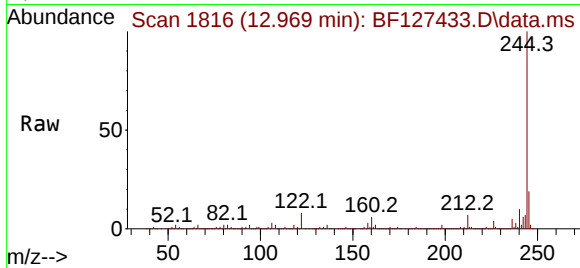




#79
 Terphenyl-d14
 Concen: 94.635 ng
 RT: 12.969 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF127433.D
 Acq: 22 Mar 2022 04:14

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7

Tgt Ion:244 Resp: 1615675
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 8.1 6.2 9.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2247
 Delta R.T. 0.000 min
 Lab File: BF127433.D
 Acq: 22 Mar 2022 04:14

Tgt Ion:264 Resp: 190911
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 21.4 17.4 26.2

