

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032122\
 Data File : BF127432.D
 Acq On : 22 Mar 2022 03:45
 Operator : CG\JU
 Sample : N1958-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-5-4-5

Quant Time: Mar 22 05:07:33 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)

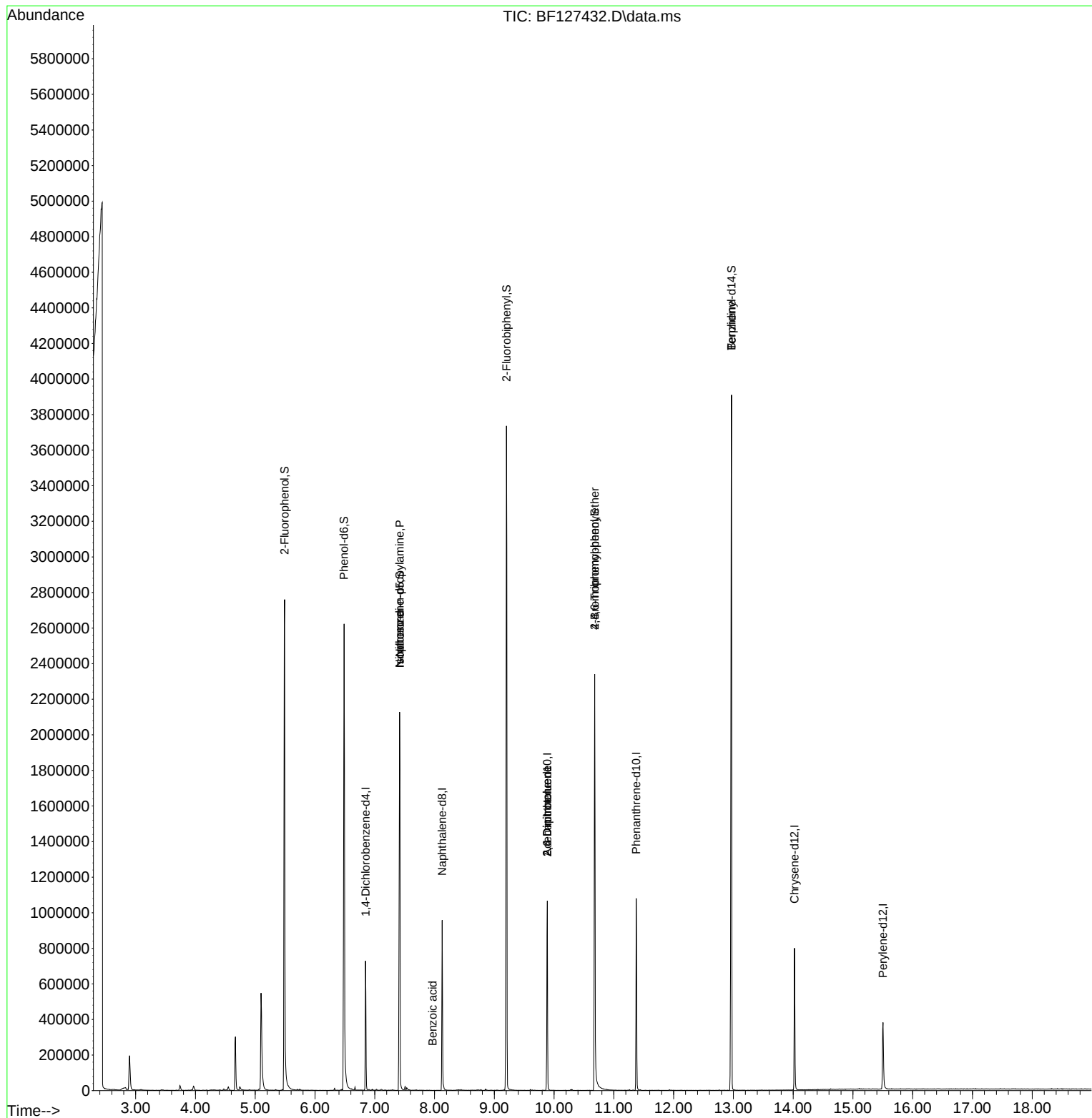
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	97615	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	360576	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	206865	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	375403	20.000	ng	0.00
76) Chrysene-d12	14.021	240	267223	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	183845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	760996	124.440	ng	0.02
7) Phenol-d6	6.487	99	970268	116.071	ng	0.00
23) Nitrobenzene-d5	7.416	82	773082	91.648	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	304698	138.270	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1278769	90.267	ng	0.00
79) Terphenyl-d14	12.968	244	1497139	91.715	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.451	77	76	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.416	70	107010	21.356	ng	# 79
25) Isophorone	7.416	82	773076	57.541	ng	# 70
32) Benzoic acid	7.969	122	115	6.077	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	26483	8.767	ng	# 17
57) 2,4-Dinitrotoluene	9.886	165	26483	6.811	ng	# 14
58) Fluorene	10.680	166	10859	Below Cal	#	92
67) 4-Bromophenyl-phenylether	10.680	248	19343	4.413	ng	# 1
77) Benzidine	12.968	184	18457	2.897	ng	# 92

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

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
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C-5-4-5

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
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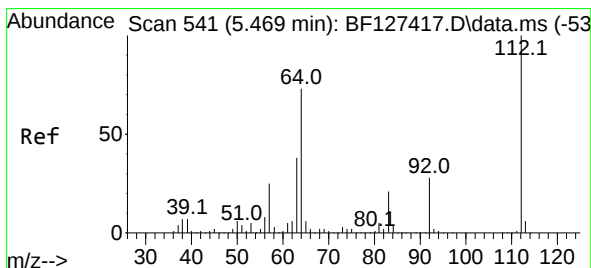
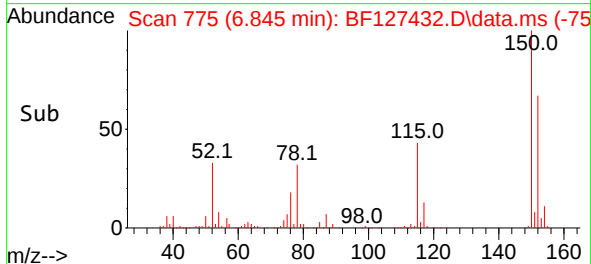
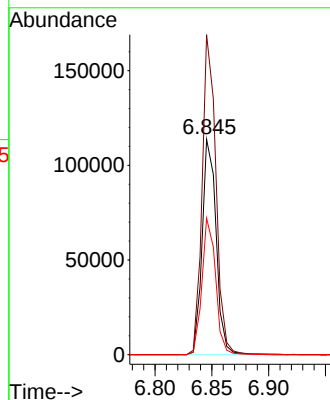
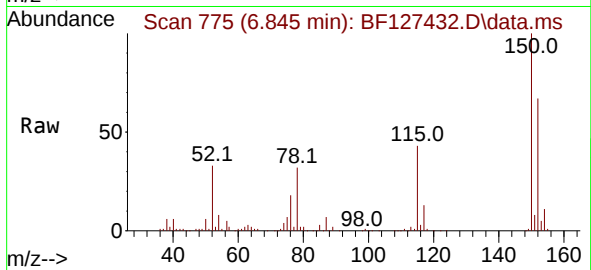




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

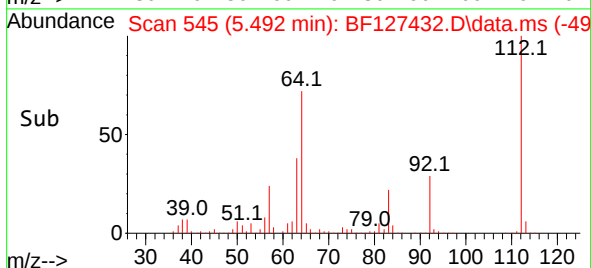
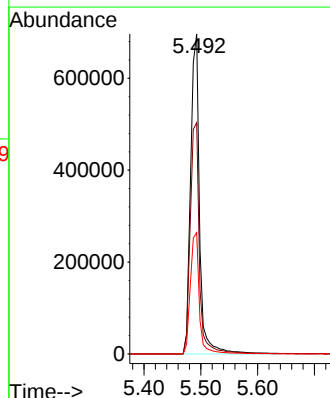
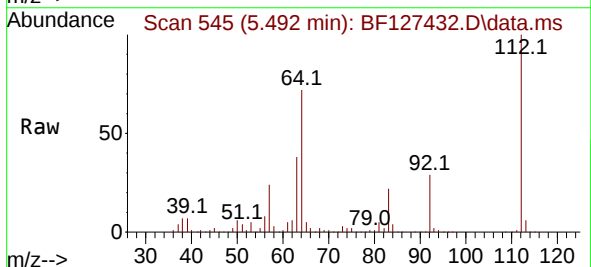
Instrument :
BNA_F
ClientSampleId :
C-5-4-5

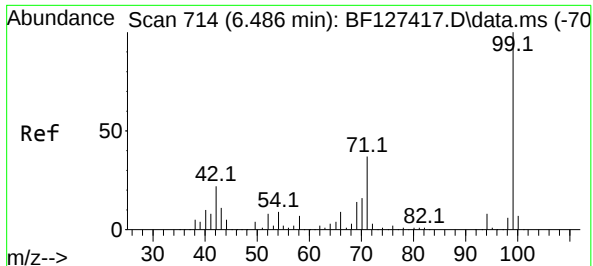
Tgt Ion:152 Resp: 97615
Ion Ratio Lower Upper
152 100
150 148.6 117.2 175.8
115 63.4 49.8 74.6



#5
2-Fluorophenol
Concen: 124.440 ng
RT: 5.492 min Scan# 545
Delta R.T. 0.024 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

Tgt Ion:112 Resp: 760996
Ion Ratio Lower Upper
112 100
64 72.3 58.4 87.6
63 37.9 30.1 45.1

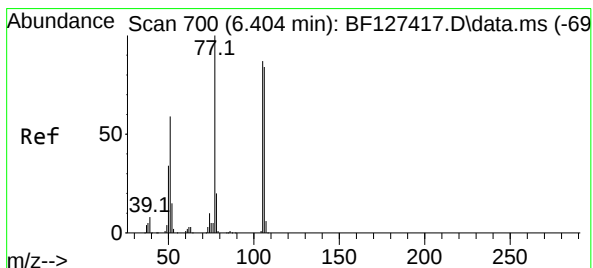
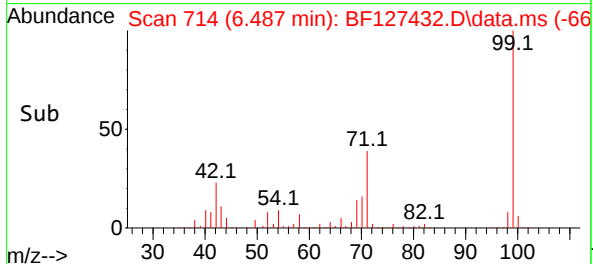
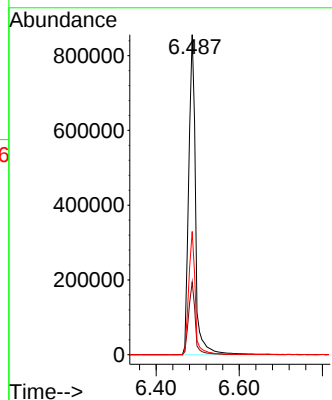
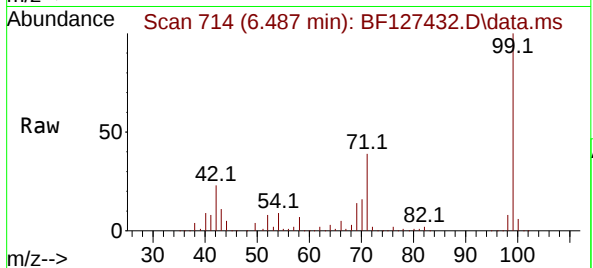




#7
Phenol-d6
Concen: 116.071 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

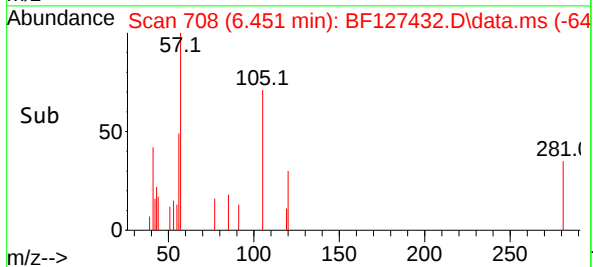
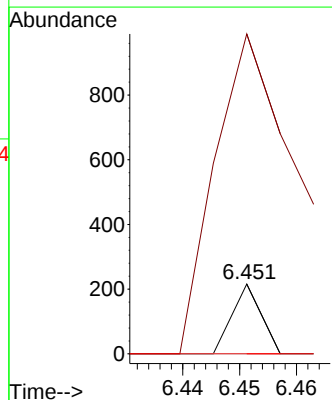
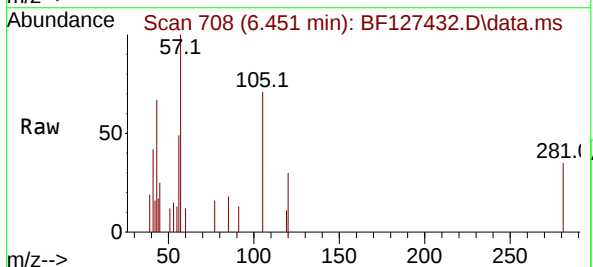
Instrument :
BNA_F
ClientSampleId :
C-5-4-5

Tgt Ion: 99 Resp: 970268
Ion Ratio Lower Upper
99 100
42 22.7 17.8 26.6
71 38.5 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 708
Delta R.T. 0.047 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

Tgt Ion: 77 Resp: 76
Ion Ratio Lower Upper
77 100
105 457.9 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 21.356 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127432.D

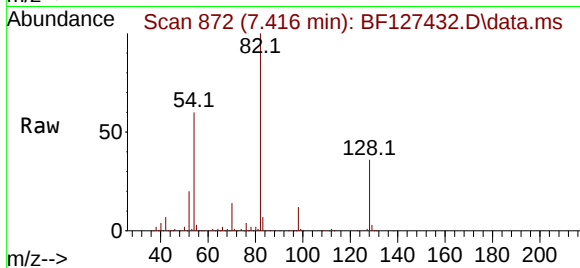
Acq: 22 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

C-5-4-5



Tgt Ion: 70 Resp: 107010

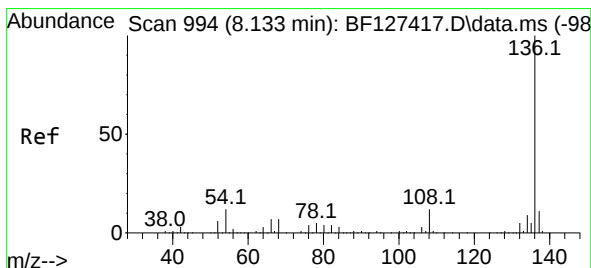
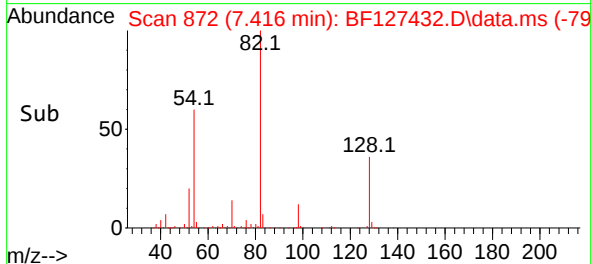
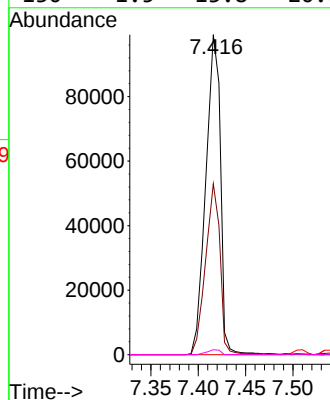
Ion Ratio Lower Upper

70 100

42 53.4 53.0 79.6

101 0.0 6.8 10.2#

130 1.5 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: BF127432.D

Acq: 22 Mar 2022 03:45

Tgt Ion: 136 Resp: 360576

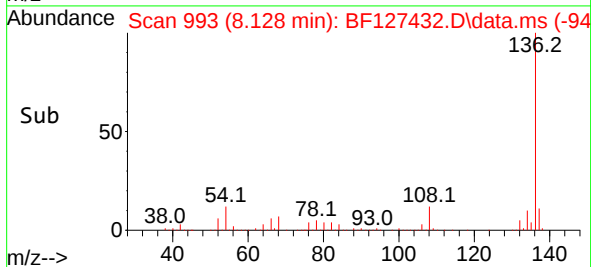
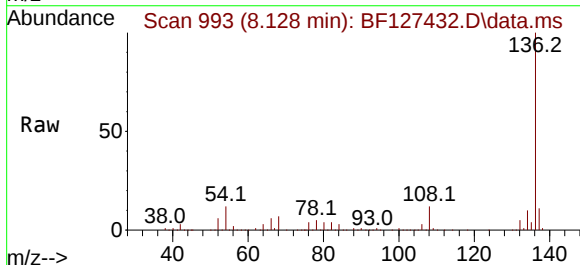
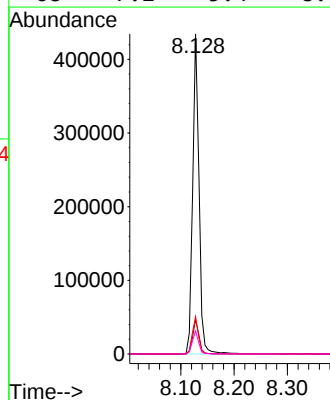
Ion Ratio Lower Upper

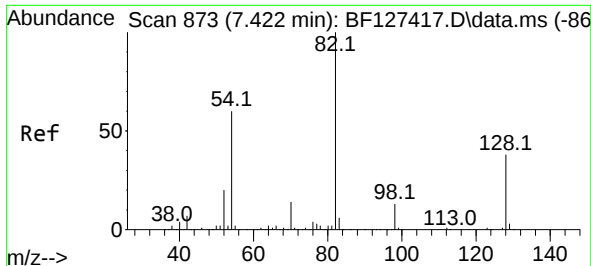
136 100

137 10.7 8.6 13.0

54 11.7 9.2 13.8

68 7.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 91.648 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

C-5-4-5

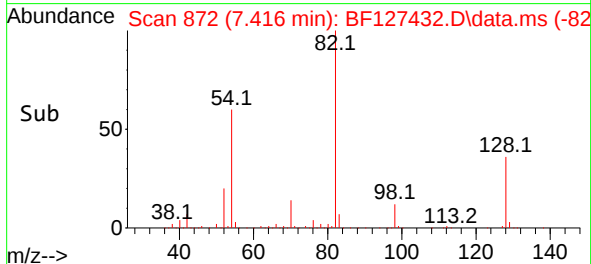
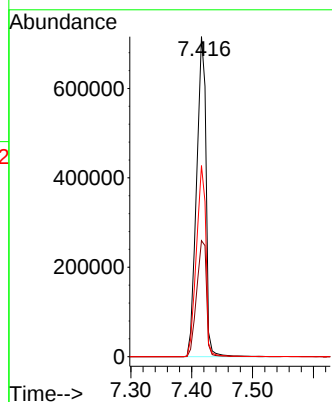
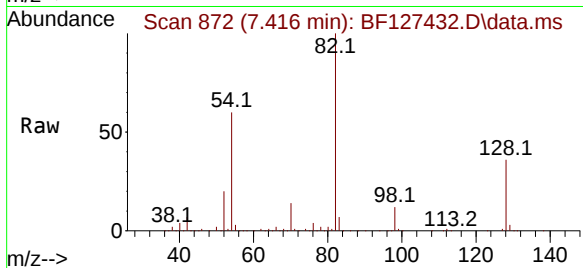
Tgt Ion: 82 Resp: 773082

Ion Ratio Lower Upper

82 100

128 36.3 30.6 45.8

54 59.7 48.2 72.2



#25

Isophorone

Concen: 57.541 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

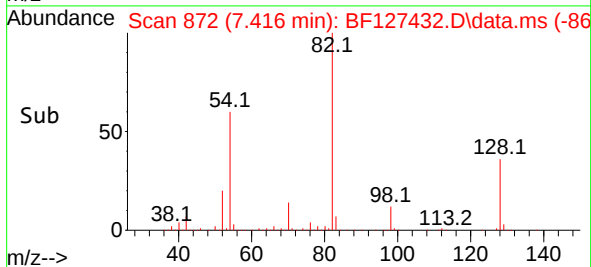
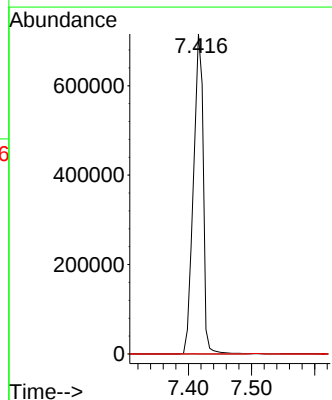
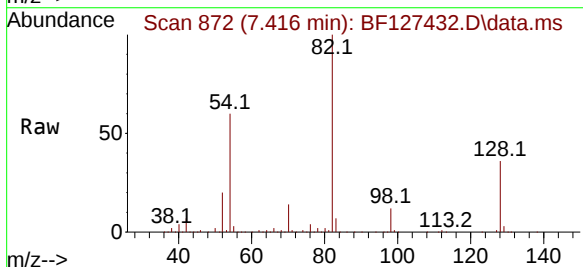
Tgt Ion: 82 Resp: 773076

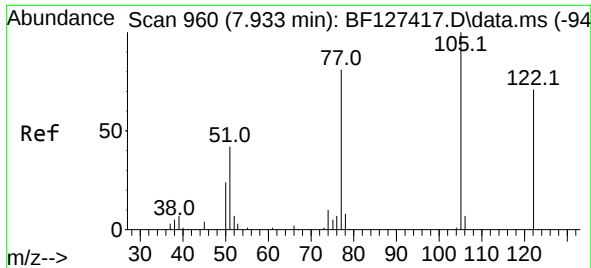
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

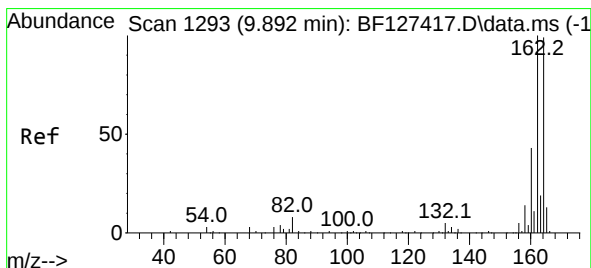
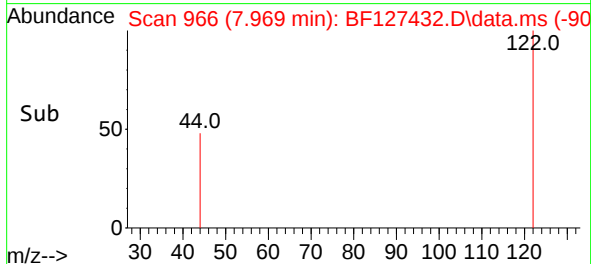
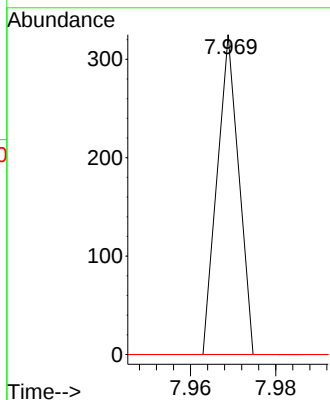
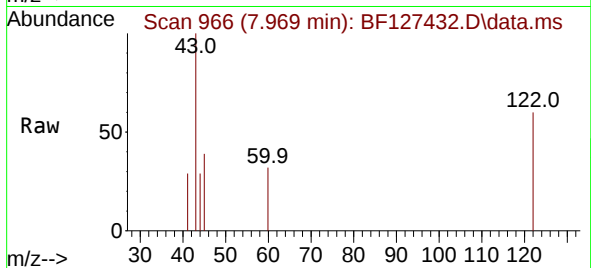




#32
Benzoic acid
Concen: 6.077 ng
RT: 7.969 min Scan# 90
Delta R.T. 0.036 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

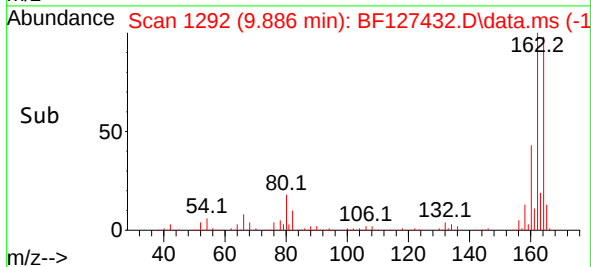
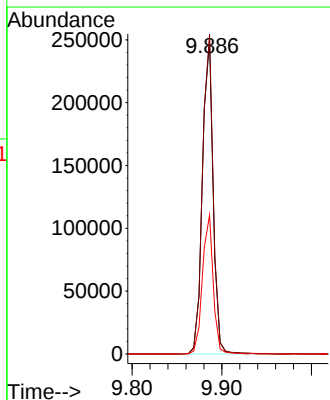
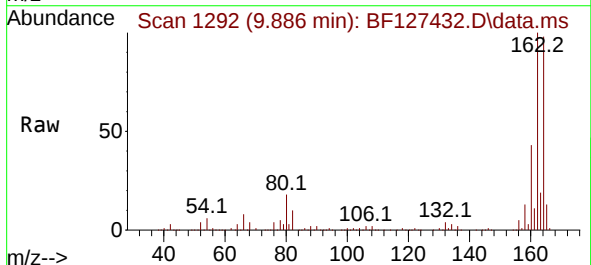
Instrument :
BNA_F
ClientSampleId :
C-5-4-5

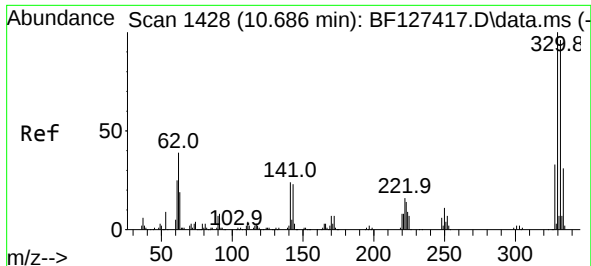
Tgt Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 0.0 117.1 157.1#
77 0.0 93.0 133.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

Tgt Ion:164 Resp: 206865
Ion Ratio Lower Upper
164 100
162 102.4 81.2 121.8
160 44.4 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 138.270 ng

RT: 10.680 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

C-5-4-5

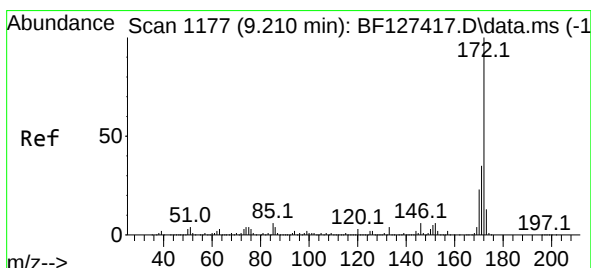
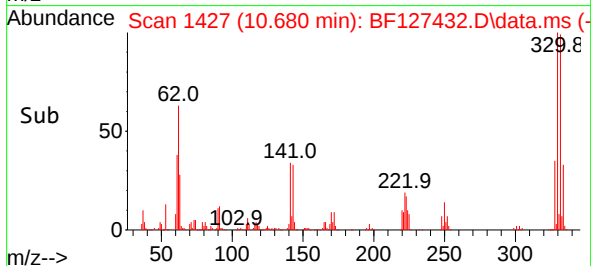
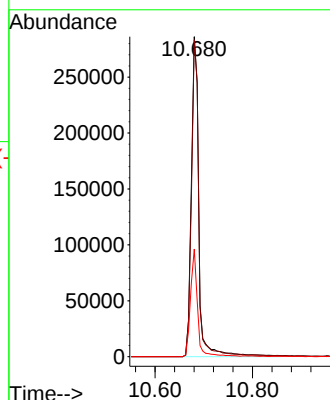
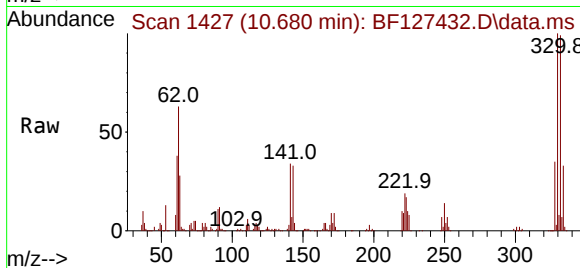
Tgt Ion:330 Resp: 304698

Ion Ratio Lower Upper

330 100

332 96.0 79.1 118.7

141 31.5 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 90.267 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

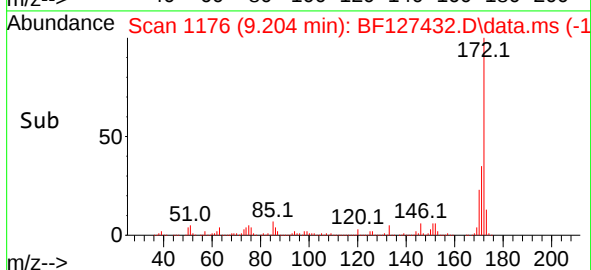
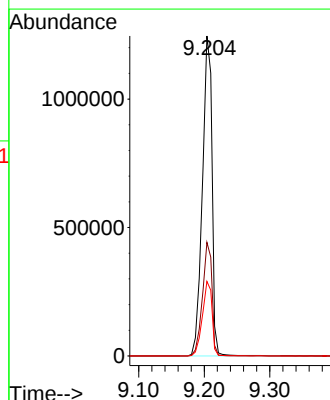
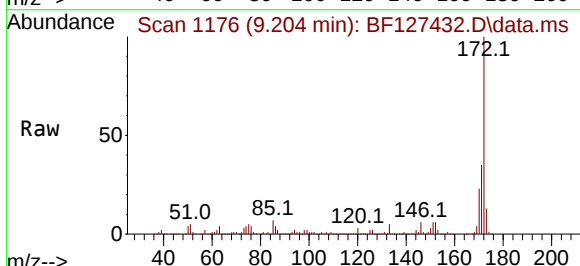
Tgt Ion:172 Resp: 1278769

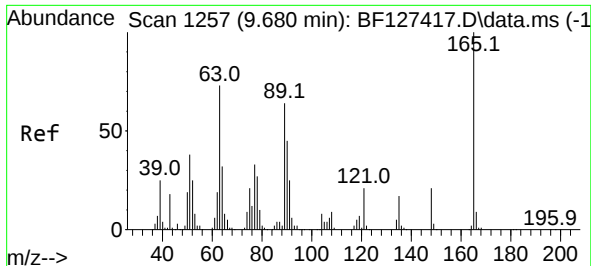
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.3 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.767 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

C-5-4-5

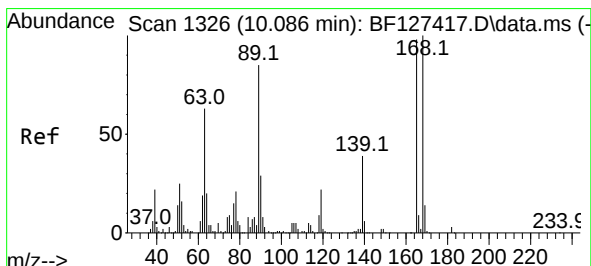
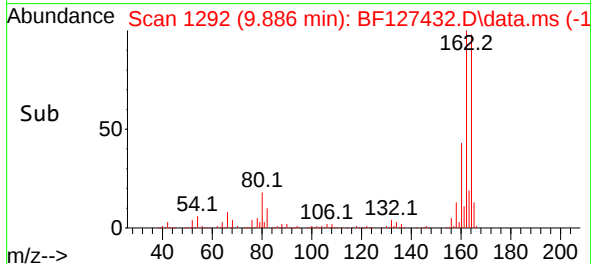
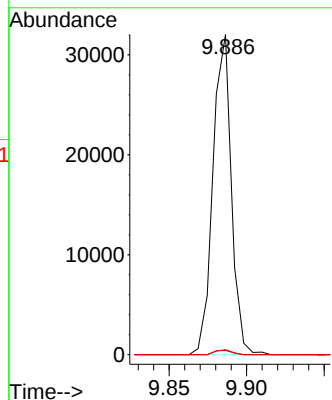
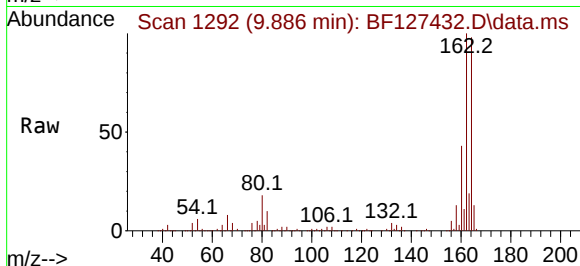
Tgt Ion:165 Resp: 26483

Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.5 51.5 77.3#



#57

2,4-Dinitrotoluene

Concen: 6.811 ng

RT: 9.886 min Scan# 1292

Delta R.T. -0.200 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

Tgt Ion:165 Resp: 26483

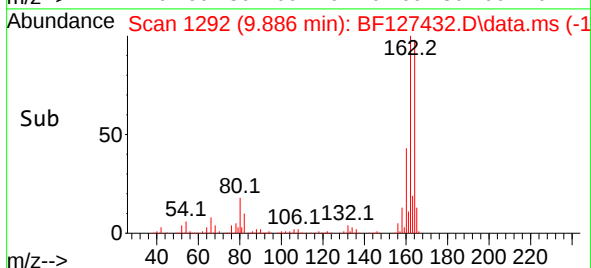
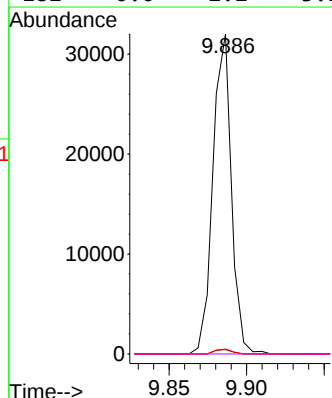
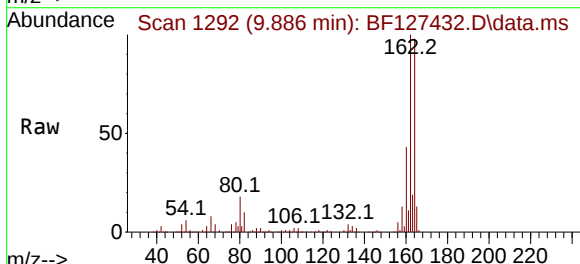
Ion Ratio Lower Upper

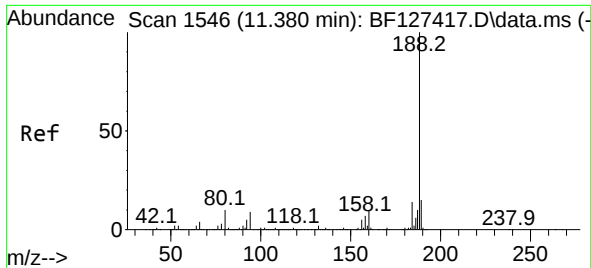
165 100

63 1.4 53.1 79.7#

89 1.5 69.2 103.8#

182 0.0 2.2 3.2#

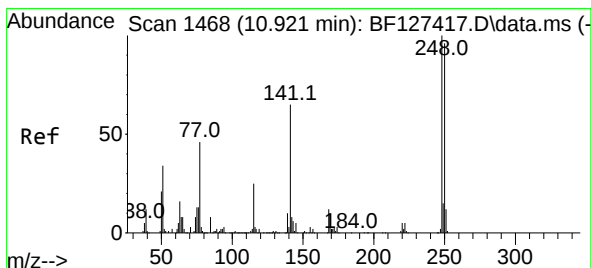
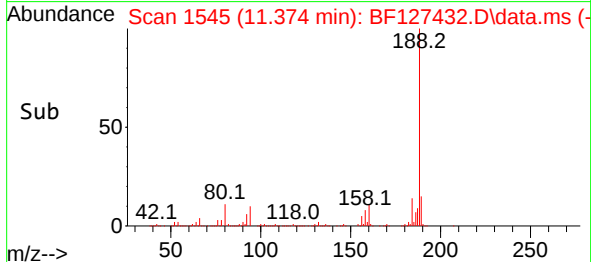
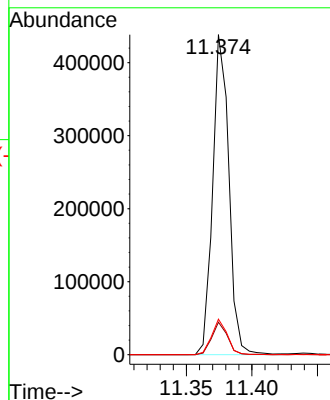
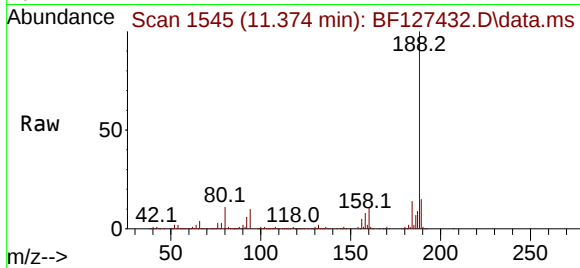




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

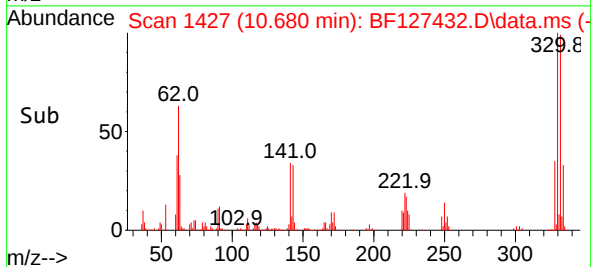
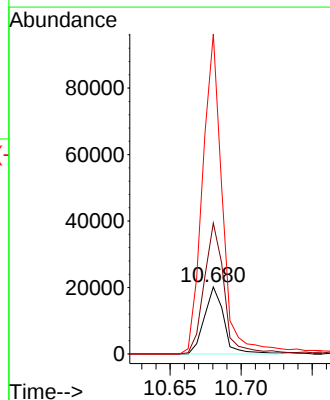
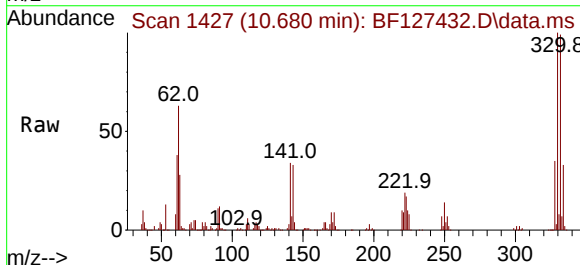
Instrument :
BNA_F
ClientSampleId :
C-5-4-5

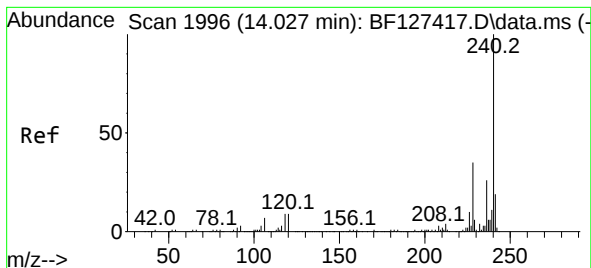
Tgt Ion:188 Resp: 375403
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.0
80 11.1 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 4.413 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.241 min
Lab File: BF127432.D
Acq: 22 Mar 2022 03:45

Tgt Ion:248 Resp: 19343
Ion Ratio Lower Upper
248 100
250 195.3 76.6 115.0#
141 477.5 52.2 78.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

C-5-4-5

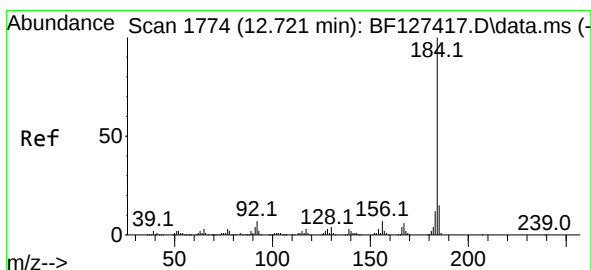
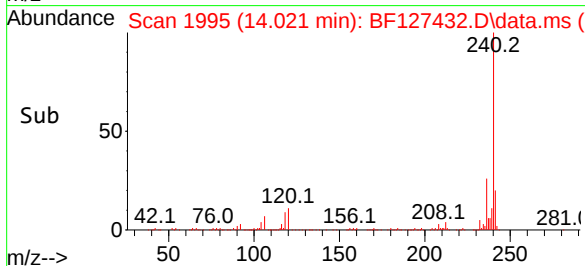
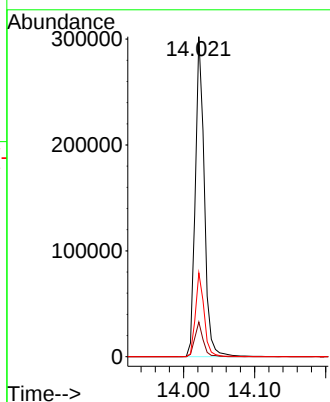
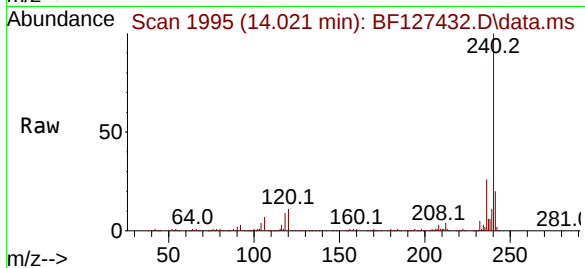
Tgt Ion:240 Resp: 267223

Ion Ratio Lower Upper

240 100

120 10.9 7.1 10.7#

236 26.2 20.7 31.1



#77

Benzidine

Concen: 2.897 ng

RT: 12.968 min Scan# 1816

Delta R.T. 0.247 min

Lab File: BF127432.D

Acq: 22 Mar 2022 03:45

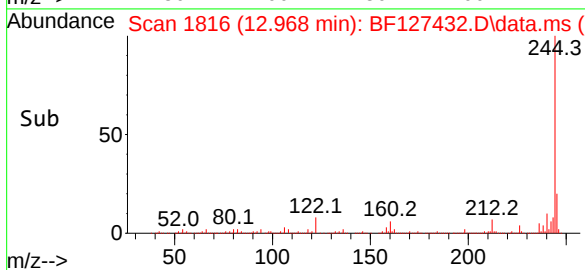
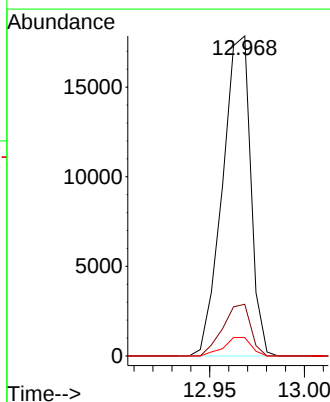
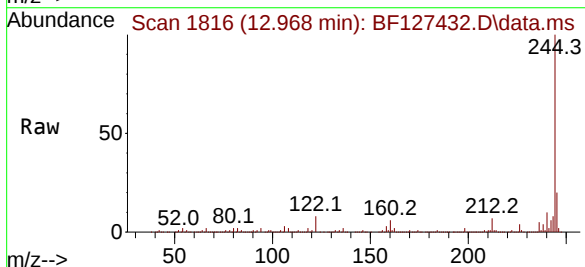
Tgt Ion:184 Resp: 18457

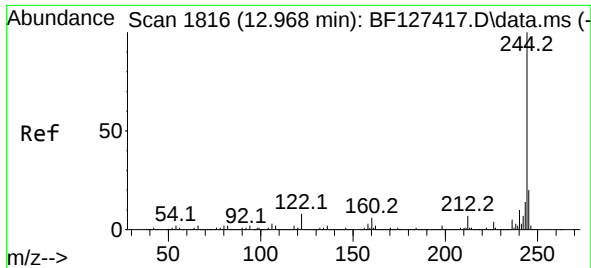
Ion Ratio Lower Upper

184 100

185 16.1 12.2 18.2

183 5.8 9.4 14.0#

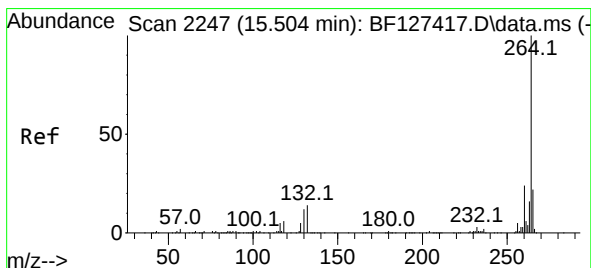
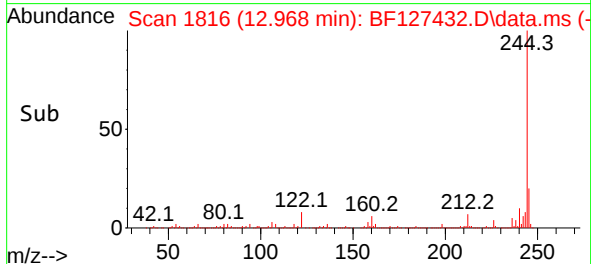
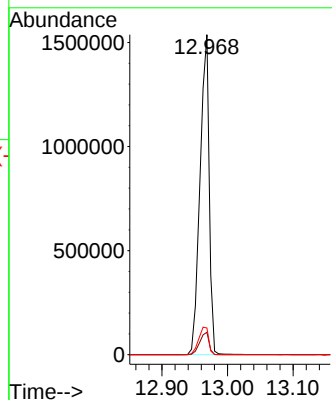
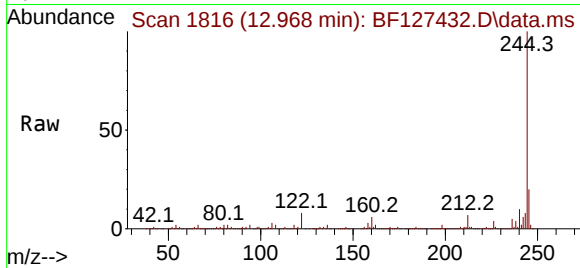




#79
 Terphenyl-d14
 Concen: 91.715 ng
 RT: 12.968 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF127432.D
 Acq: 22 Mar 2022 03:45

Instrument :
 BNA_F
 ClientSampleId :
 C-5-4-5

Tgt Ion:244 Resp: 1497139
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 8.3 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: BF127432.D
 Acq: 22 Mar 2022 03:45

Tgt Ion:264 Resp: 183845
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.3 17.4 26.2

