

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032122\
 Data File : BF127435.D
 Acq On : 22 Mar 2022 05:11
 Operator : CG\JU
 Sample : N1958-24
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-9-8-9

Quant Time: Mar 22 05:37:24 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)

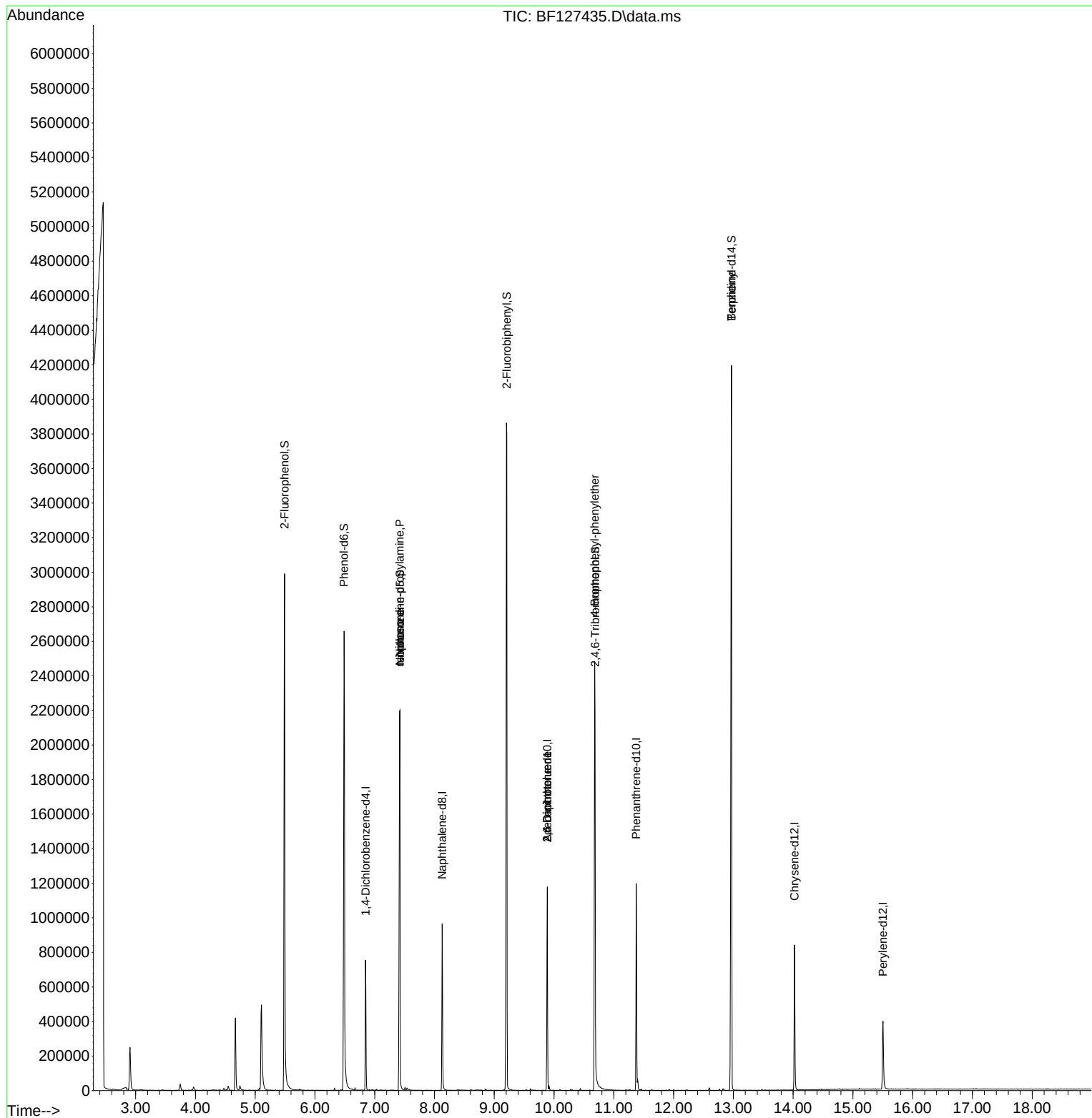
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	101167	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	378063	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	221257	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	409928	20.000	ng	0.00
76) Chrysene-d12	14.021	240	288969	20.000	ng	0.00
86) Perylene-d12	15.504	264	196000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	806632	127.271	ng	0.02
7) Phenol-d6	6.487	99	1028711	118.742	ng	0.00
23) Nitrobenzene-d5	7.422	82	836293	94.556	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	353223	149.864	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1389370	91.694	ng	0.00
79) Terphenyl-d14	12.969	244	1690822	95.786	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.493	77	1642	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.416	70	116374	22.410	ng	# 79
25) Isophorone	7.422	82	836282	59.367	ng	# 70
51) 2,6-Dinitrotoluene	9.886	165	27030	8.366	ng	# 17
55) Dibenzofuran	10.098	168	2309	Below Cal		93
57) 2,4-Dinitrotoluene	9.886	165	27030	6.499	ng	# 14
58) Fluorene	10.439	166	2773	Below Cal		99
67) 4-Bromophenyl-phenylether	10.681	248	22356	4.671	ng	# 1
77) Benzidine	12.969	184	21408	3.107	ng	# 91

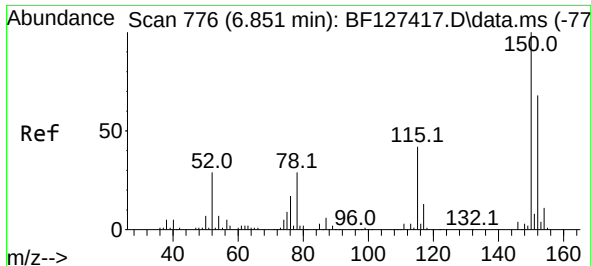
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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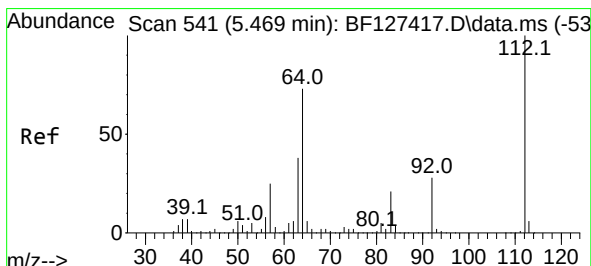
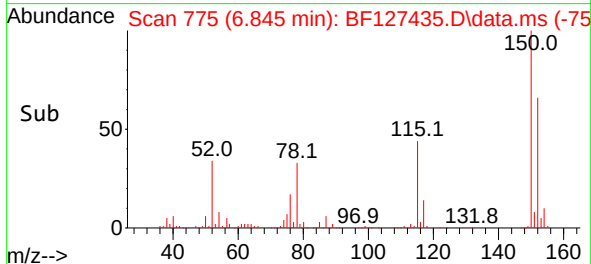
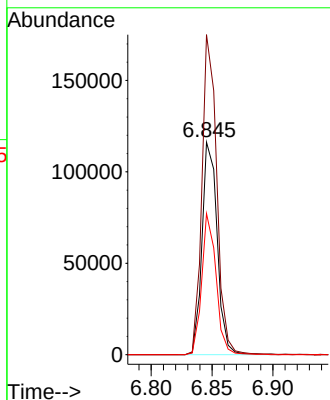
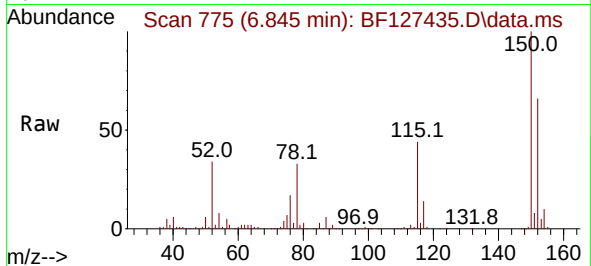




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

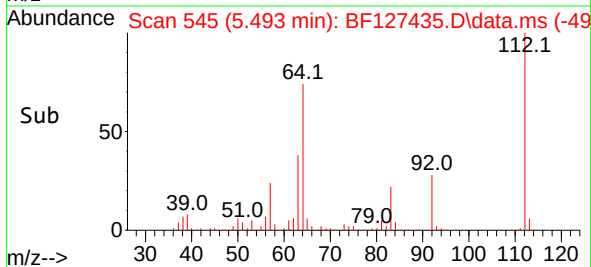
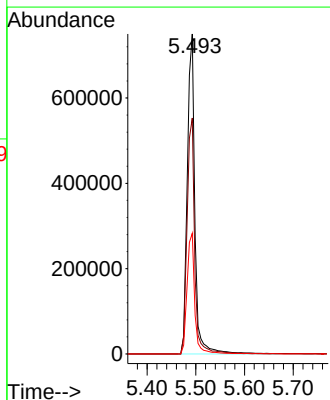
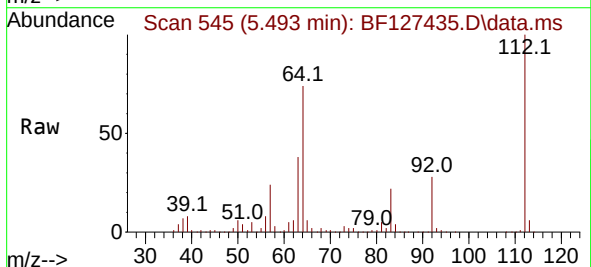
Instrument :
BNA_F
ClientSampleId :
C-9-8-9

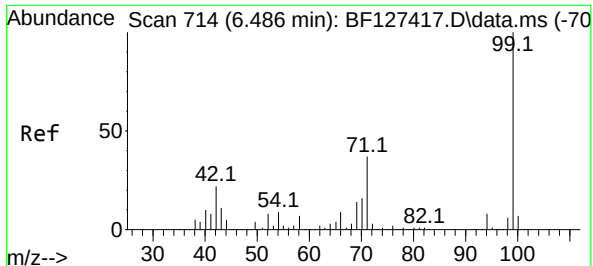
Tgt Ion:152 Resp: 101167
Ion Ratio Lower Upper
152 100
150 150.6 117.2 175.8
115 66.4 49.8 74.6



#5
2-Fluorophenol
Concen: 127.271 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.024 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion:112 Resp: 806632
Ion Ratio Lower Upper
112 100
64 73.8 58.4 87.6
63 37.7 30.1 45.1

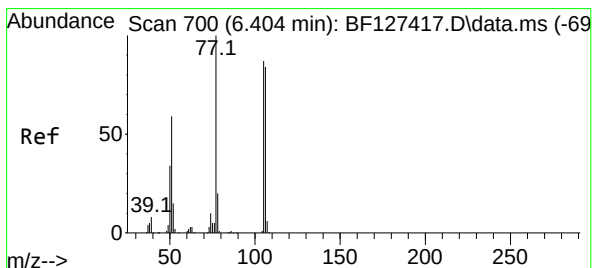
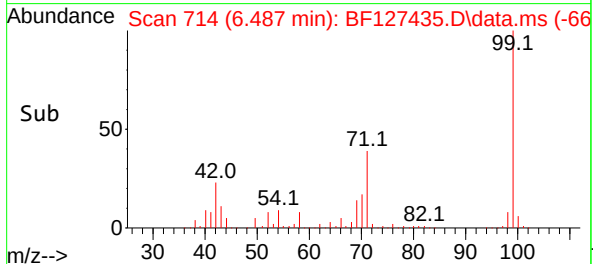
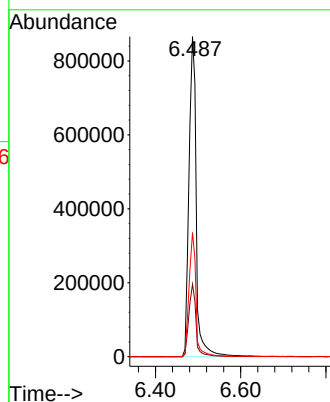
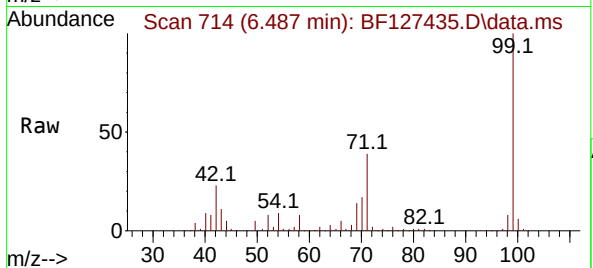




#7
Phenol-d6
Concen: 118.742 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

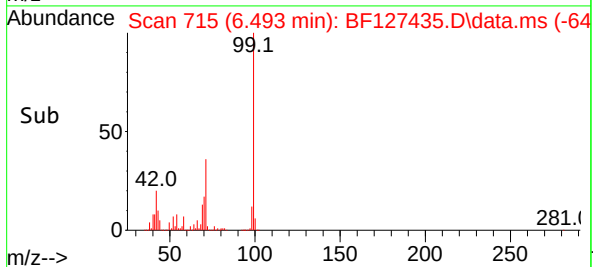
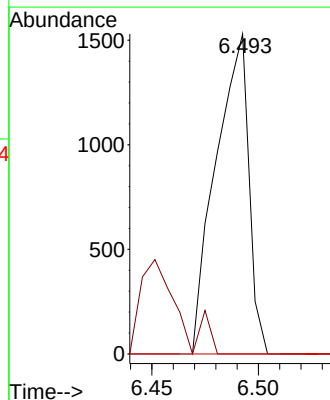
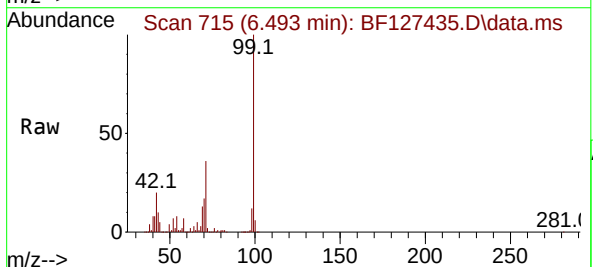
Instrument :
BNA_F
ClientSampleId :
C-9-8-9

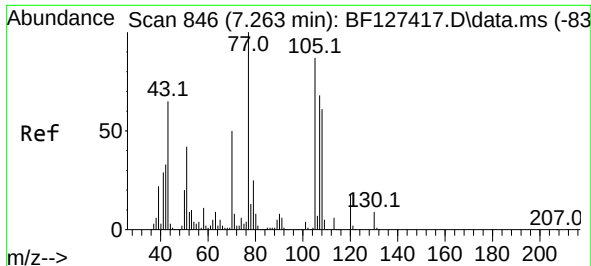
Tgt Ion: 99 Resp: 1028711
Ion Ratio Lower Upper
99 100
42 22.7 17.8 26.6
71 38.8 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.493 min Scan# 715
Delta R.T. 0.089 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion: 77 Resp: 1642
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: 22.410 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127435.D

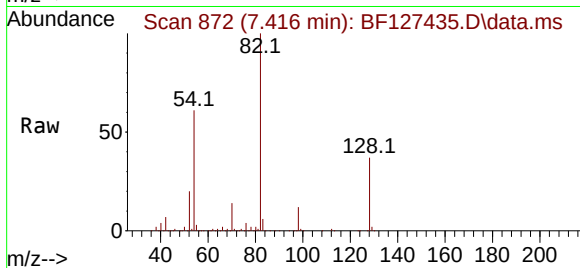
Acq: 22 Mar 2022 05:11

Instrument :

BNA_F

ClientSampleId :

C-9-8-9



Tgt Ion: 70 Resp: 116374

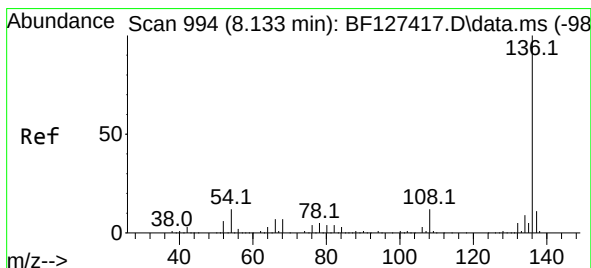
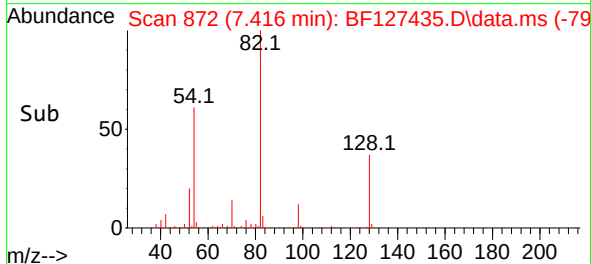
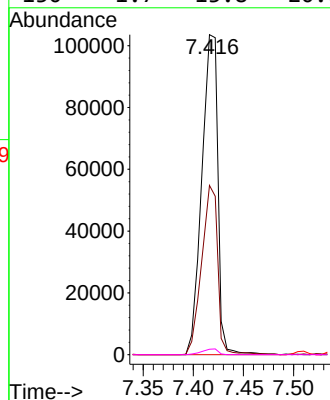
Ion Ratio Lower Upper

70 100

42 52.9 53.0 79.6#

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127435.D

Acq: 22 Mar 2022 05:11

Tgt Ion: 136 Resp: 378063

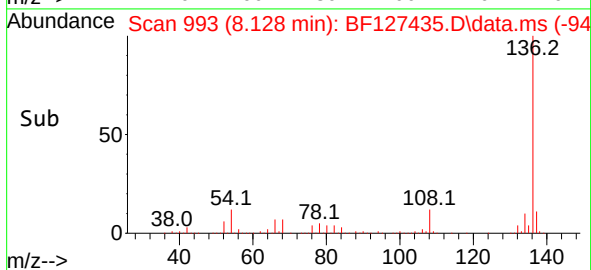
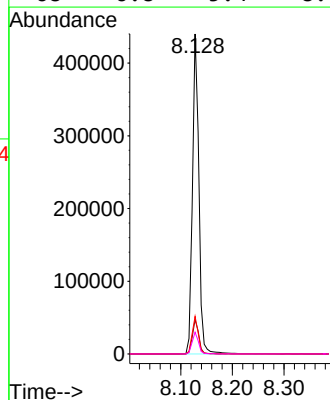
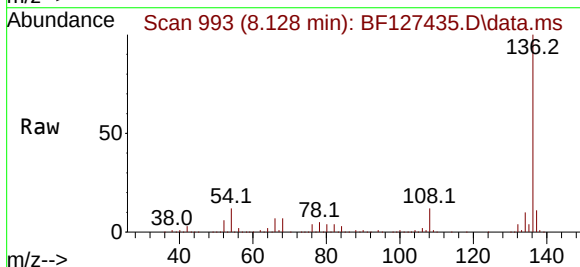
Ion Ratio Lower Upper

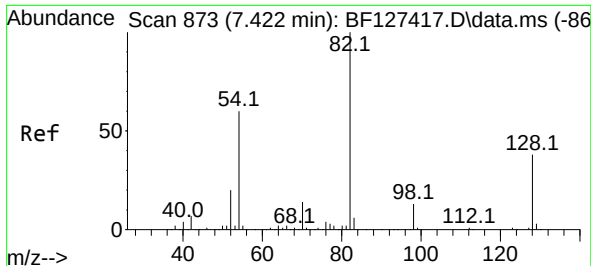
136 100

137 10.7 8.6 13.0

54 11.8 9.2 13.8

68 6.8 5.4 8.0





#23

Nitrobenzene-d5

Concen: 94.556 ng

RT: 7.422 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF127435.D

Acq: 22 Mar 2022 05:11

Instrument :

BNA_F

ClientSampleId :

C-9-8-9

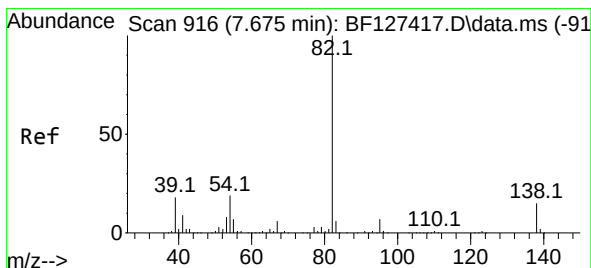
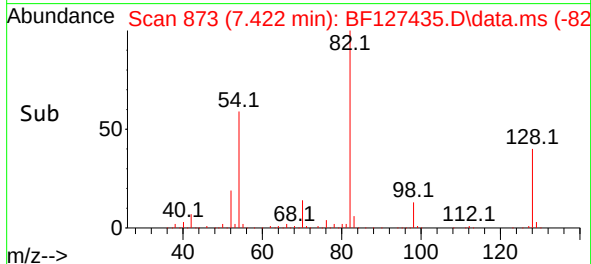
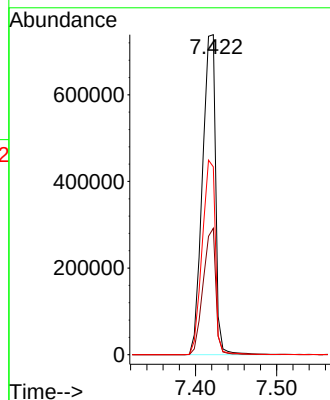
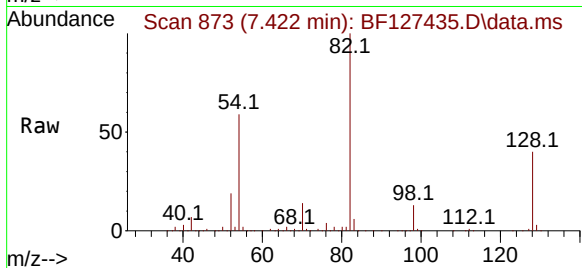
Tgt Ion: 82 Resp: 836293

Ion Ratio Lower Upper

82 100

128 39.5 30.6 45.8

54 58.7 48.2 72.2



#25

Isophorone

Concen: 59.367 ng

RT: 7.422 min Scan# 873

Delta R.T. -0.253 min

Lab File: BF127435.D

Acq: 22 Mar 2022 05:11

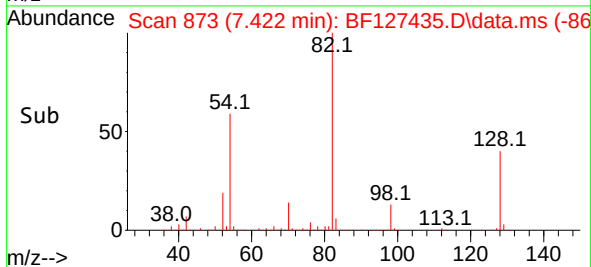
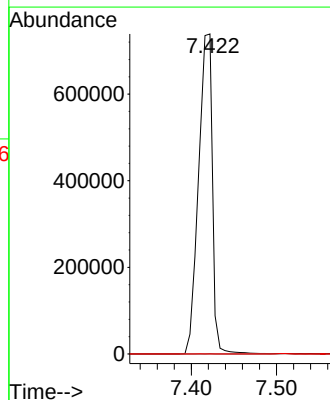
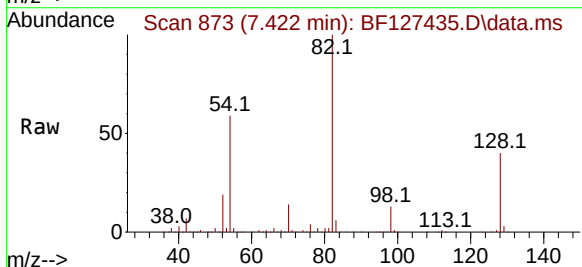
Tgt Ion: 82 Resp: 836282

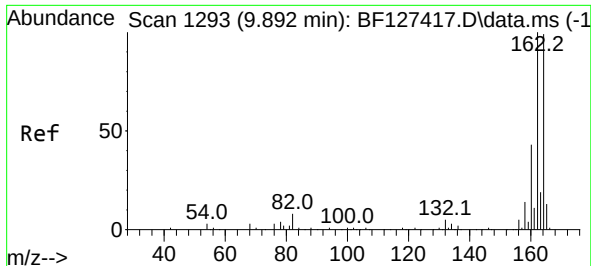
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

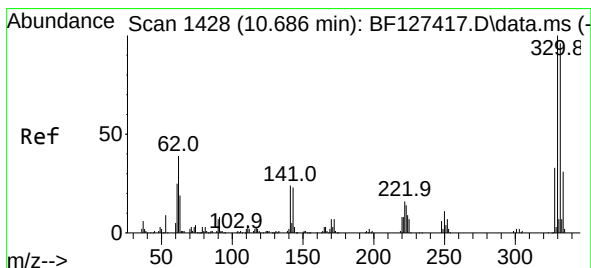
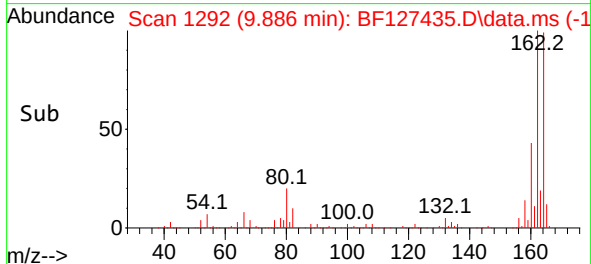
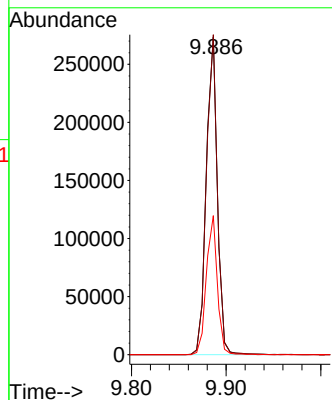
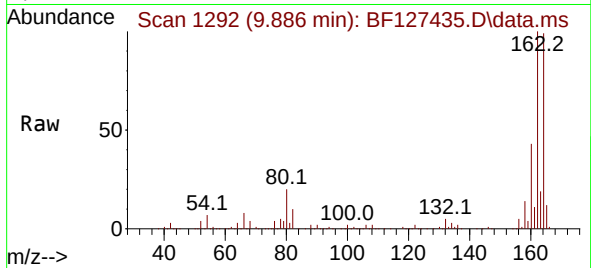




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

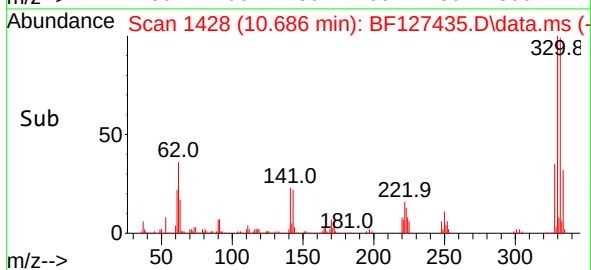
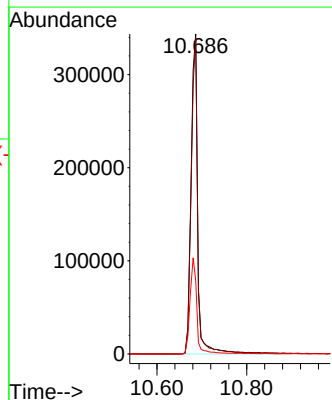
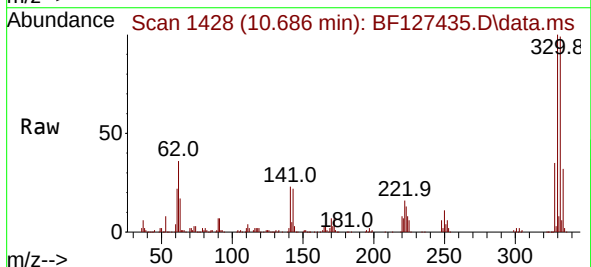
Instrument :
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ClientSampleId :
C-9-8-9

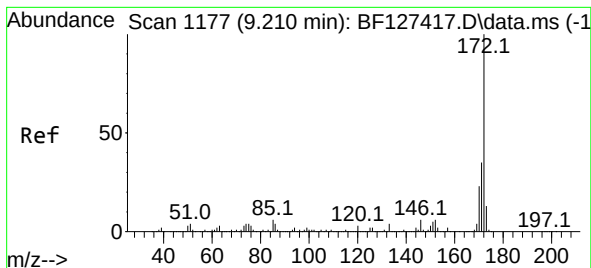
Tgt Ion:164 Resp: 221257
Ion Ratio Lower Upper
164 100
162 100.7 81.2 121.8
160 43.8 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 149.864 ng
RT: 10.686 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion:330 Resp: 353223
Ion Ratio Lower Upper
330 100
332 95.8 79.1 118.7
141 31.0 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 91.694 ng

RT: 9.210 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF127435.D

Acq: 22 Mar 2022 05:11

Instrument :

BNA_F

ClientSampleId :

C-9-8-9

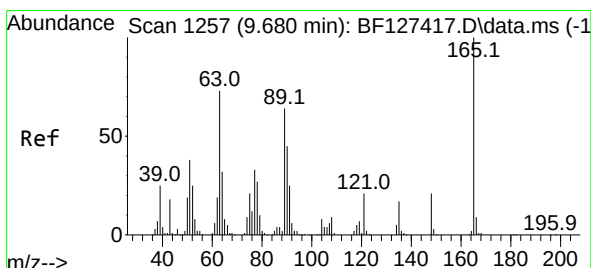
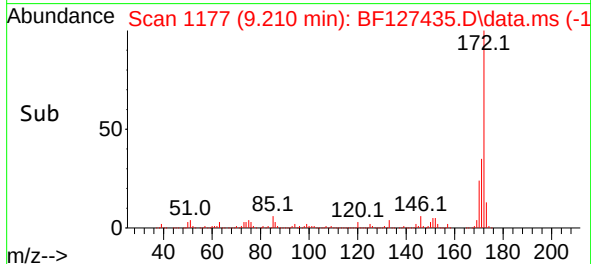
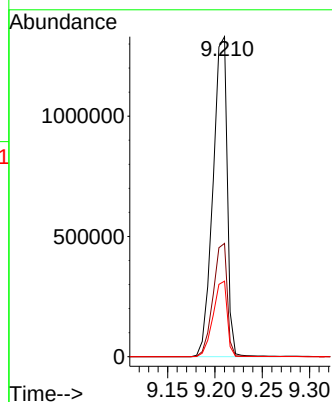
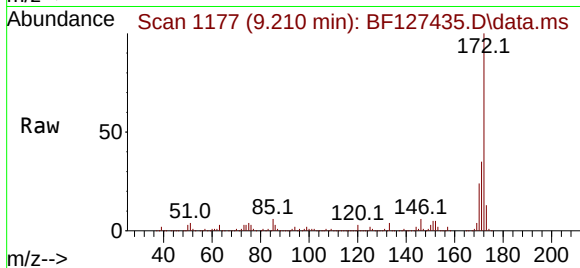
Tgt Ion:172 Resp: 1389370

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.6 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.366 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127435.D

Acq: 22 Mar 2022 05:11

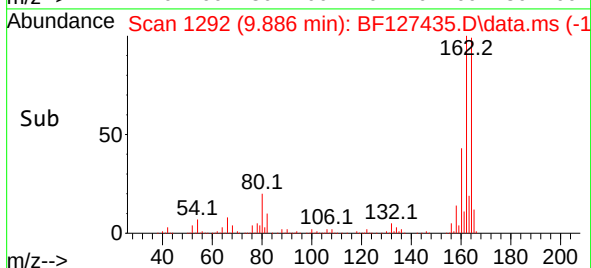
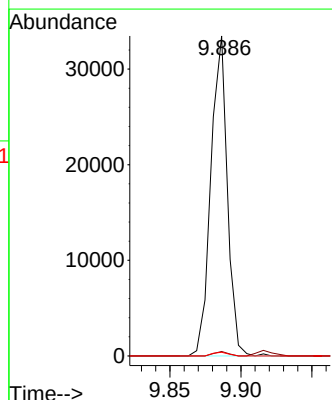
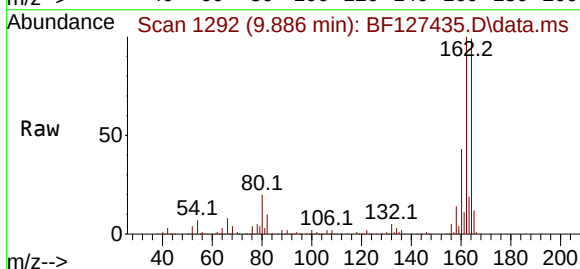
Tgt Ion:165 Resp: 27030

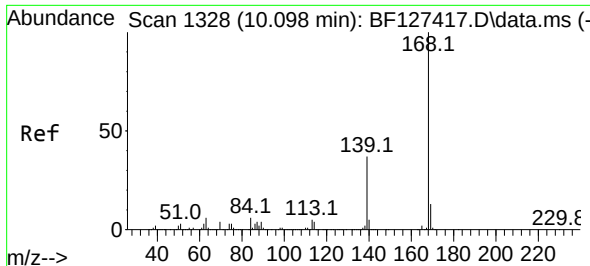
Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.1 51.5 77.3#

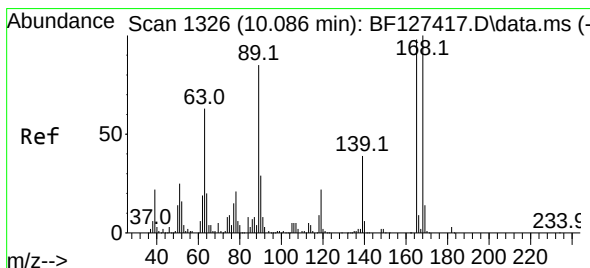
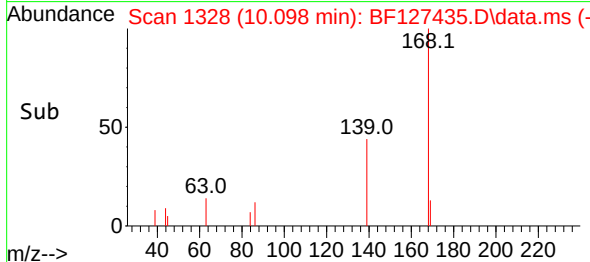
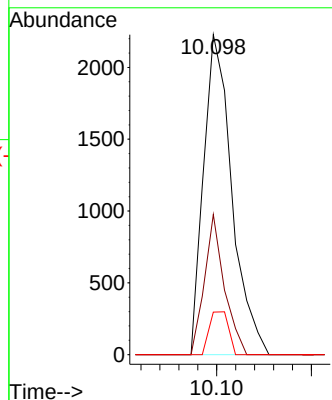
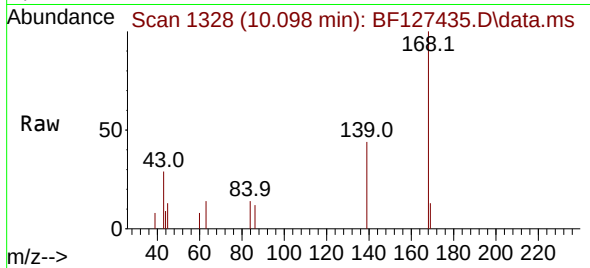




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

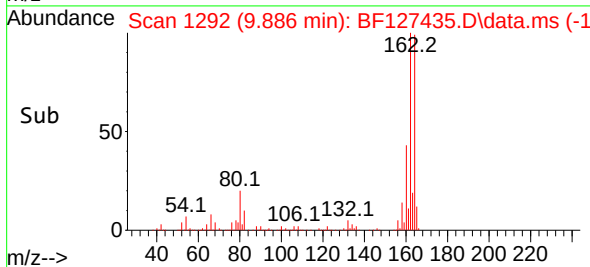
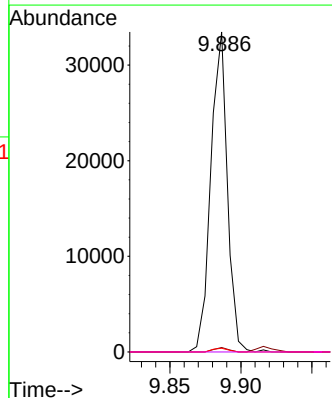
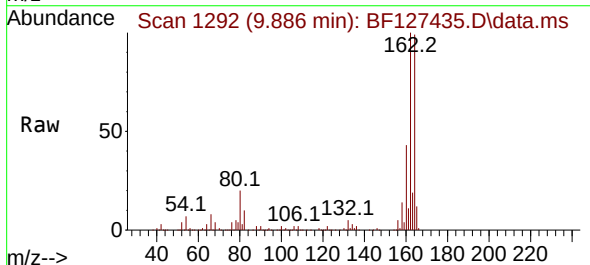
Instrument :
BNA_F
ClientSampleId :
C-9-8-9

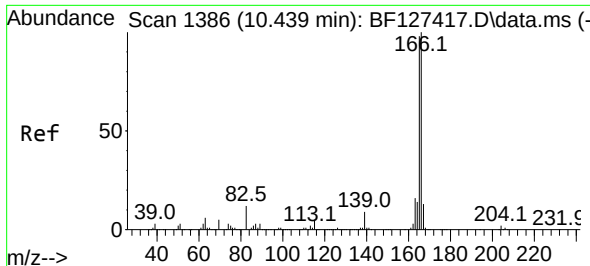
Tgt Ion:168 Resp: 2309
Ion Ratio Lower Upper
168 100
139 43.8 30.3 45.5
169 13.3 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 6.499 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.200 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion:165 Resp: 27030
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 1.1 69.2 103.8#
182 0.0 2.2 3.2#

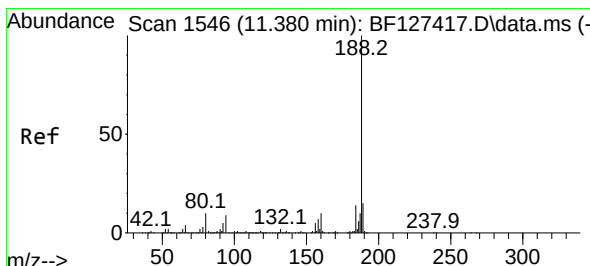
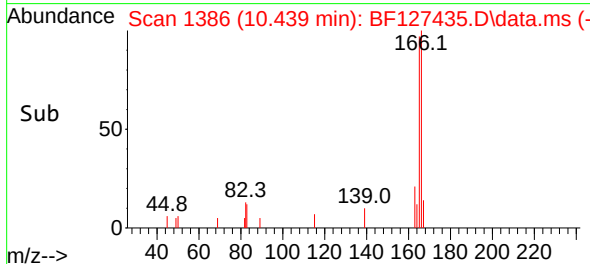
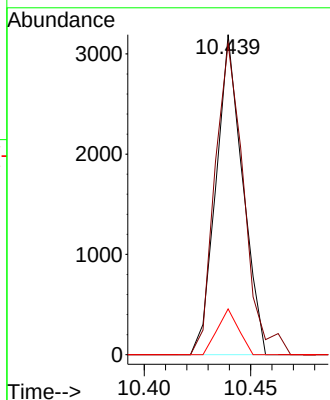
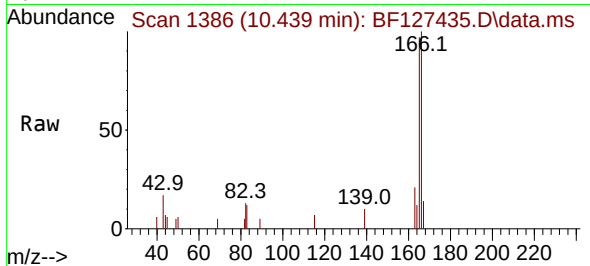




#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

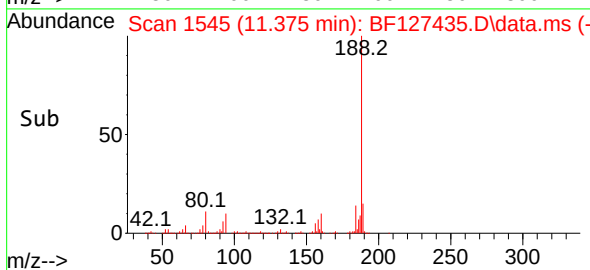
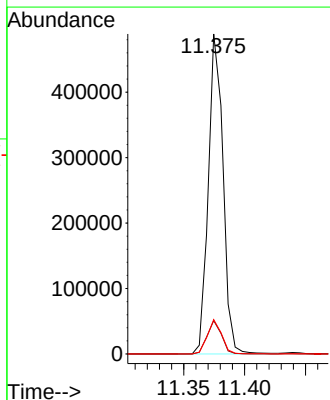
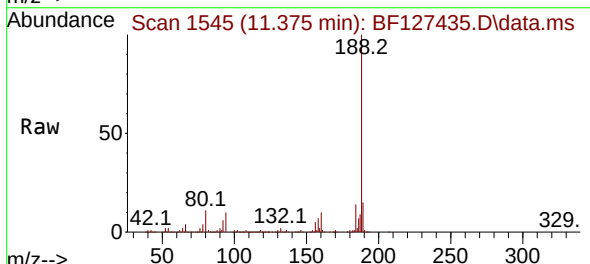
Instrument :
BNA_F
ClientSampleId :
C-9-8-9

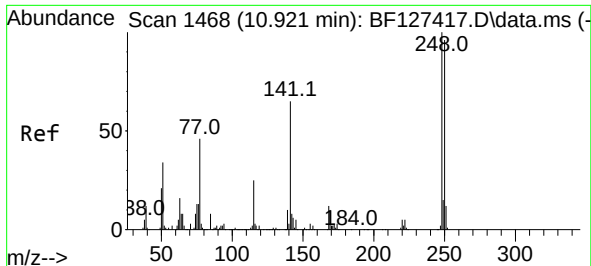
Tgt Ion:166 Resp: 2773
Ion Ratio Lower Upper
166 100
165 97.2 78.1 117.1
167 14.3 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.005 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion:188 Resp: 409928
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.0
80 10.8 8.0 12.0

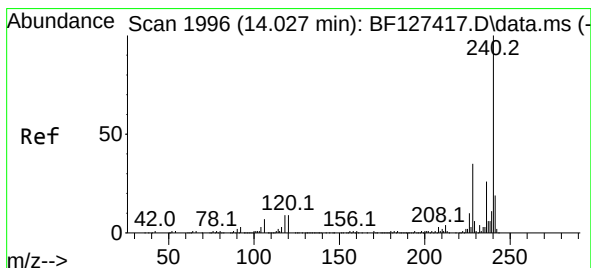
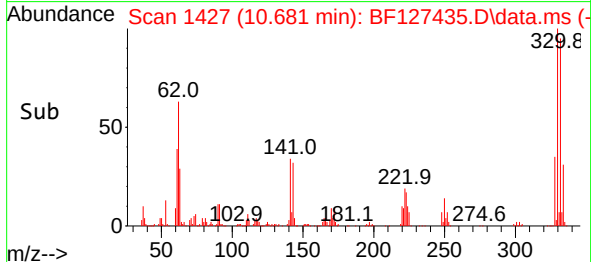
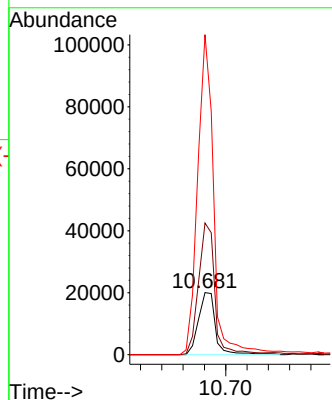
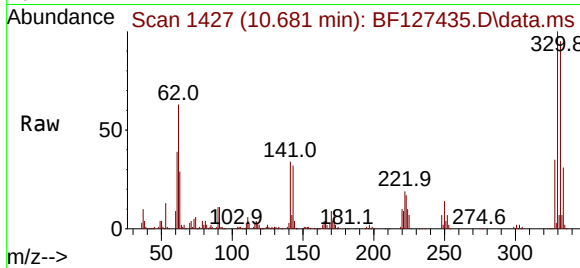




#67
4-Bromophenyl-phenylether
Concen: 4.671 ng
RT: 10.681 min Scan# 1468
Delta R.T. -0.241 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

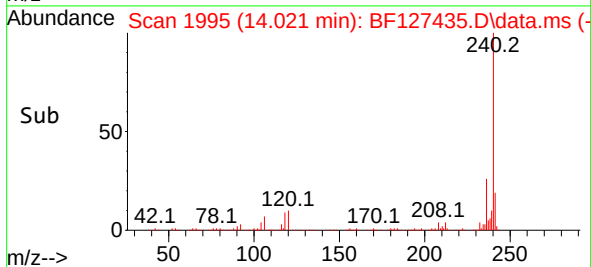
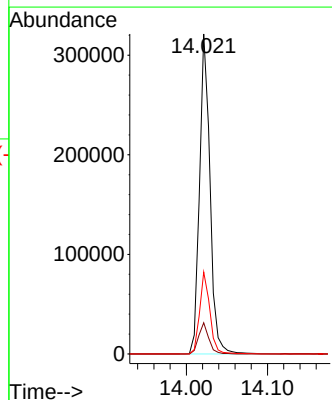
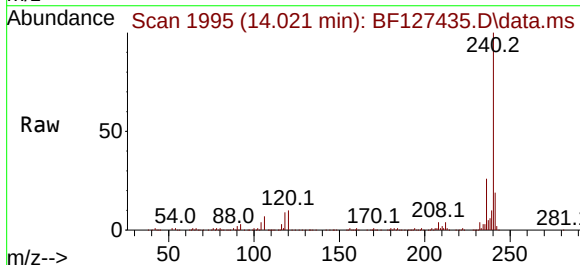
Instrument :
BNA_F
ClientSampleId :
C-9-8-9

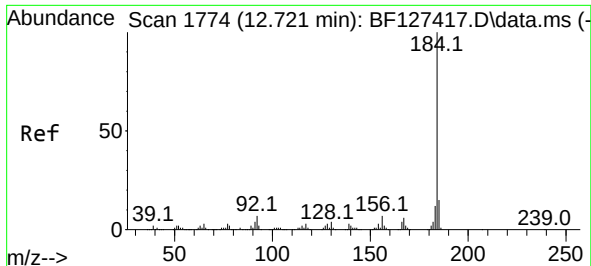
Tgt Ion:248 Resp: 22356
Ion Ratio Lower Upper
248 100
250 211.9 76.6 115.0#
141 514.8 52.2 78.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion:240 Resp: 288969
Ion Ratio Lower Upper
240 100
120 9.8 7.1 10.7
236 25.6 20.7 31.1

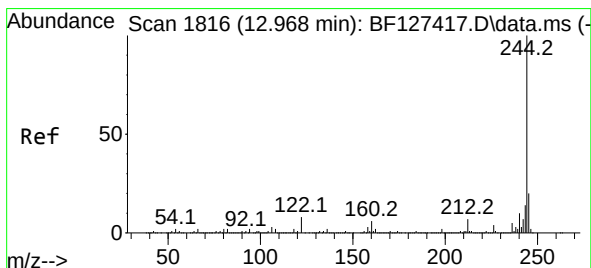
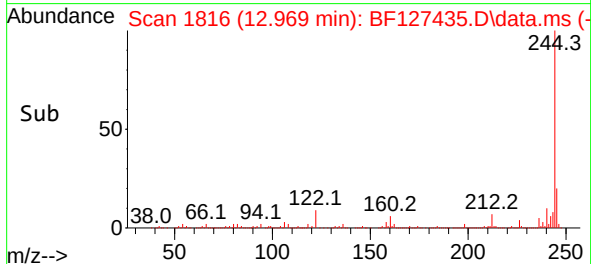
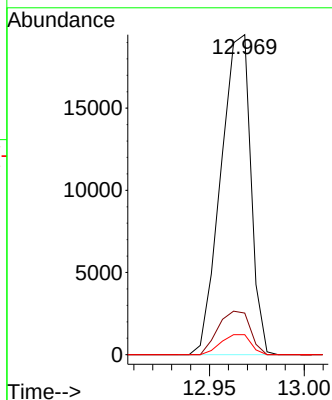
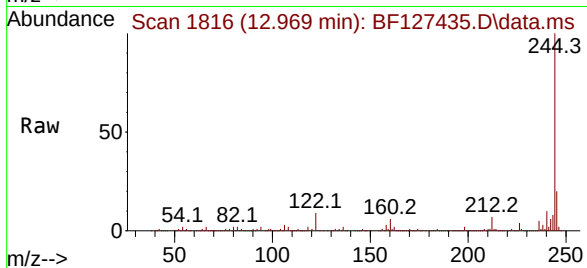




#77
Benzidine
Concen: 3.107 ng
RT: 12.969 min Scan# 1816
Delta R.T. 0.247 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

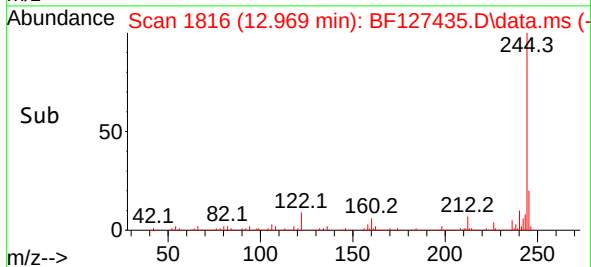
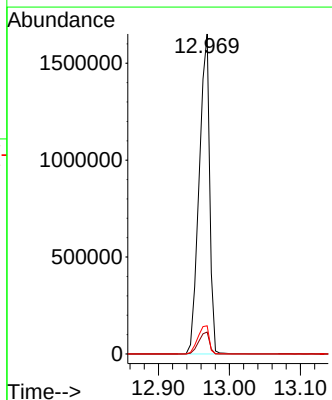
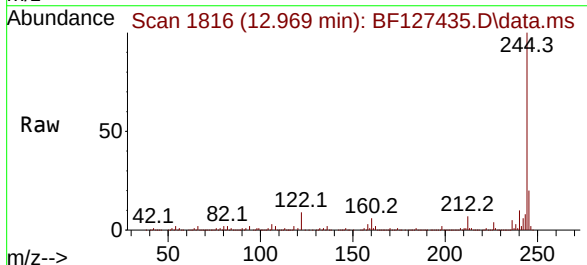
Instrument :
BNA_F
ClientSampleId :
C-9-8-9

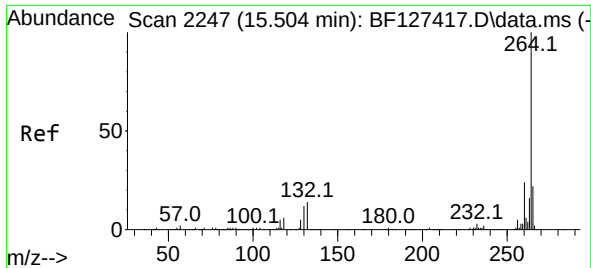
Tgt Ion:184 Resp: 21408
Ion Ratio Lower Upper
184 100
185 13.0 12.2 18.2
183 6.2 9.4 14.0#



#79
Terphenyl-d14
Concen: 95.786 ng
RT: 12.969 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF127435.D
Acq: 22 Mar 2022 05:11

Tgt Ion:244 Resp: 1690822
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 8.8 6.2 9.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127435.D

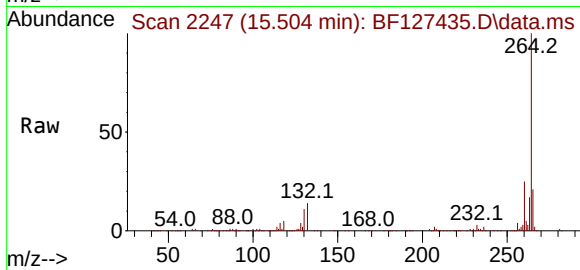
Acq: 22 Mar 2022 05:11

Instrument :

BNA_F

ClientSampleId :

C-9-8-9



Tgt Ion:264 Resp: 196000

Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

265 20.8 17.4 26.2

