

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032522\
 Data File : BF127534.D
 Acq On : 25 Mar 2022 19:15
 Operator : CG\JU
 Sample : N2084-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLDG-3

Quant Time: Mar 26 02:21:41 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)

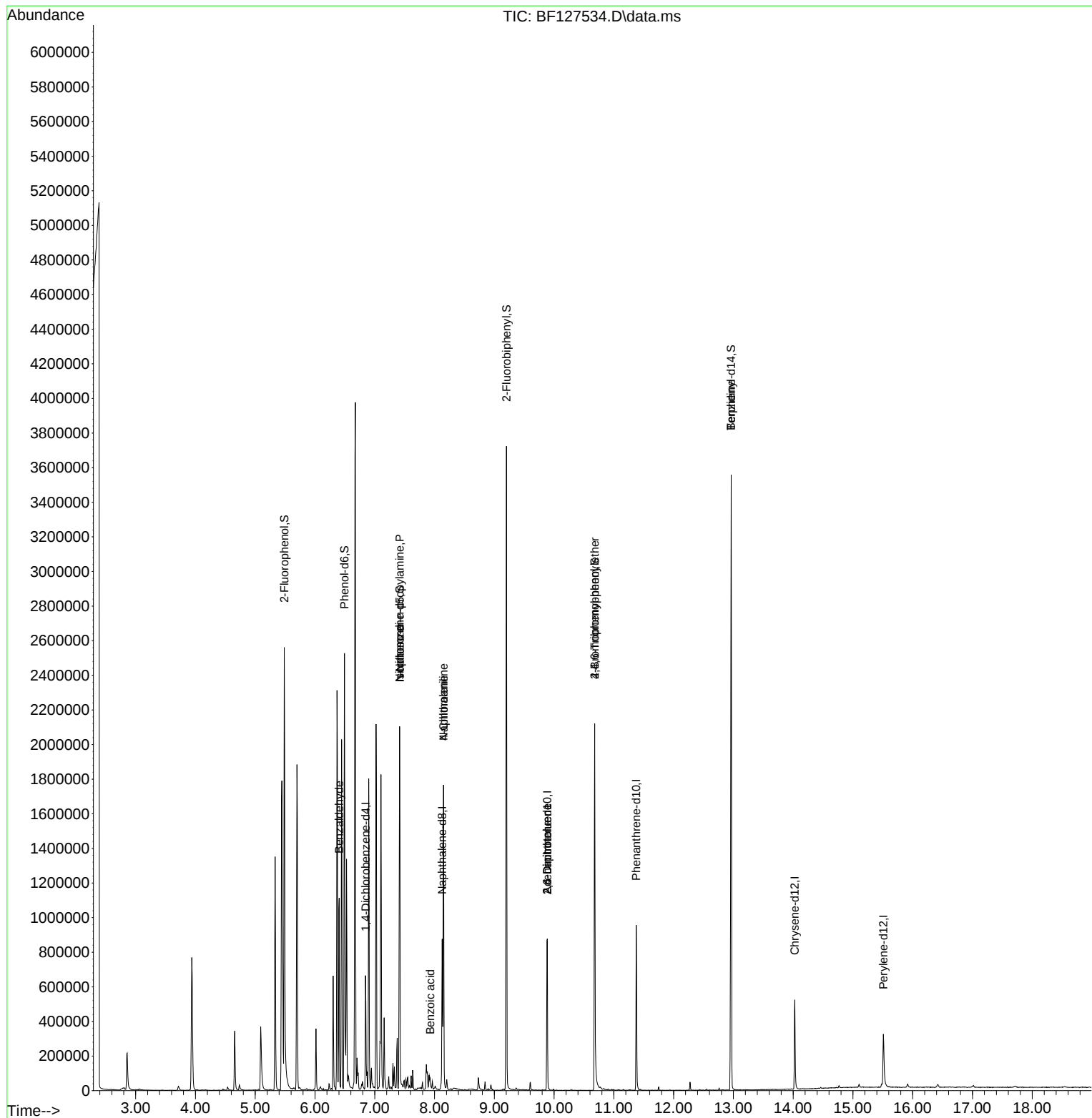
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	87636	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	315191	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	188594	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	335657	20.000	ng	0.00
76) Chrysene-d12	14.027	240	202420	20.000	ng	0.00
86) Perylene-d12	15.509	264	168421	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	679626	123.788	ng	0.02
7) Phenol-d6	6.492	99	837157	111.551	ng	0.00
23) Nitrobenzene-d5	7.416	82	664694	90.145	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	253674	126.268	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1122920	86.945	ng	0.00
79) Terphenyl-d14	12.963	244	1241618	100.413	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	47372	6.747	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	91978	20.447	ng	# 78
25) Isophorone	7.416	82	664694	56.598	ng	# 70
31) Naphthalene	8.151	128	677285	40.474	ng	# 99
32) Benzoic acid	7.928	122	4280	7.510	ng	# 36
33) 4-Chloroaniline	8.151	127	89083	13.738	ng	# 32
51) 2,6-Dinitrotoluene	9.886	165	23797	8.641	ng	# 17
55) Dibenzofuran	10.098	168	403	Below Cal		# 79
57) 2,4-Dinitrotoluene	9.886	165	23797	6.713	ng	# 14
58) Fluorene	10.439	166	530	Below Cal		# 83
67) 4-Bromophenyl-phenylether	10.680	248	16497	4.210	ng	# 1
77) Benzidine	12.963	184	15367	3.184	ng	# 94

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

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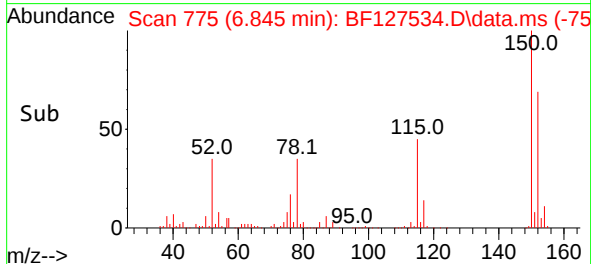
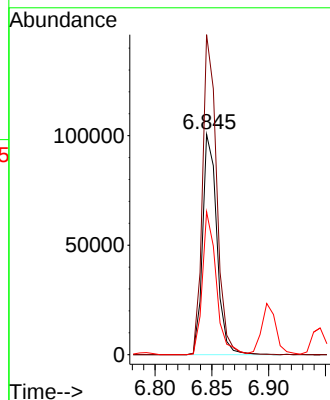
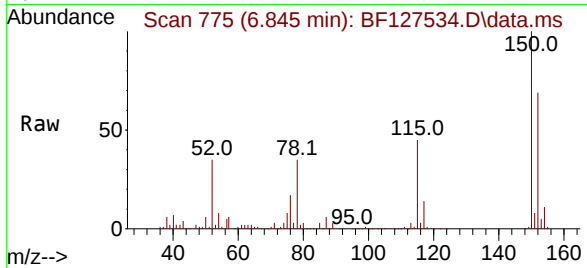




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

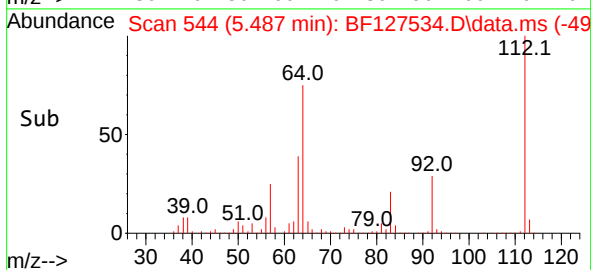
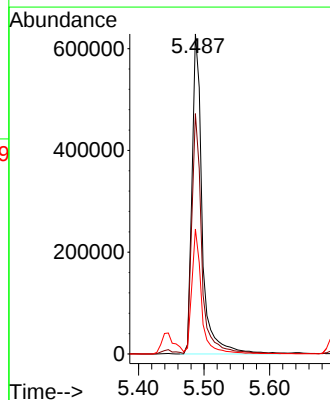
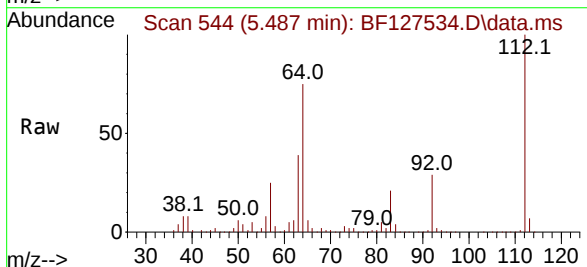
Instrument :
BNA_F
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BLDG-3

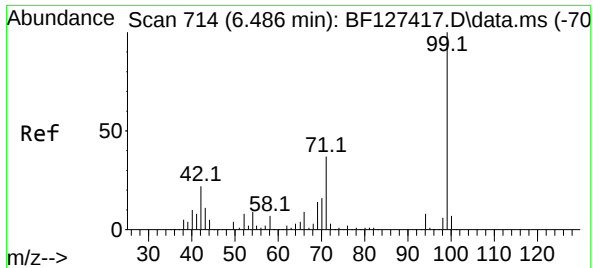
Tgt Ion:152 Resp: 87636
Ion Ratio Lower Upper
152 100
150 145.2 117.2 175.8
115 64.9 49.8 74.6



#5
2-Fluorophenol
Concen: 123.788 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.018 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

Tgt Ion:112 Resp: 679626
Ion Ratio Lower Upper
112 100
64 75.1 58.4 87.6
63 39.1 30.1 45.1





#7

Phenol-d6

Concen: 111.551 ng

RT: 6.492 min Scan# 714

Delta R.T. 0.006 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

Instrument :

BNA_F

ClientSampleId :

BLDG-3

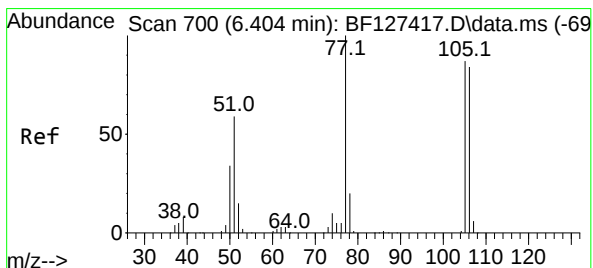
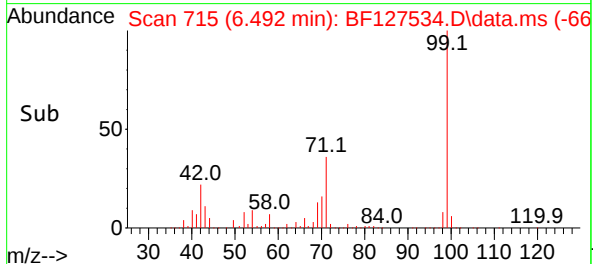
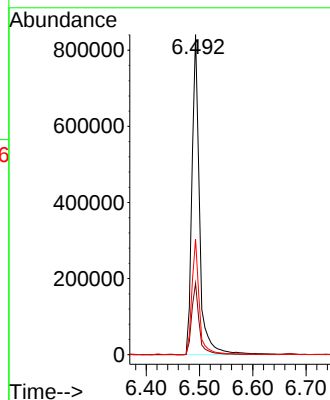
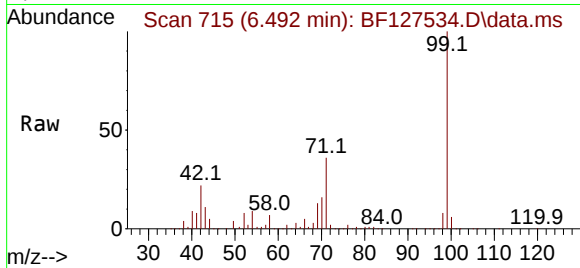
Tgt Ion: 99 Resp: 837157

Ion Ratio Lower Upper

99 100

42 22.4 17.8 26.6

71 36.2 29.6 44.4



#9

Benzaldehyde

Concen: 6.747 ng

RT: 6.404 min Scan# 700

Delta R.T. 0.000 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

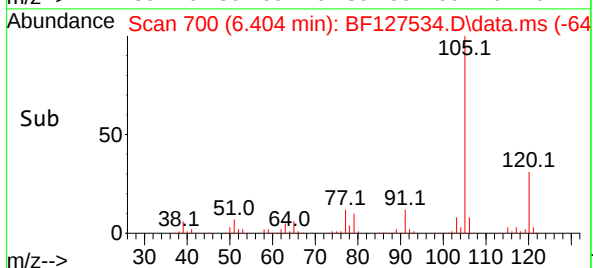
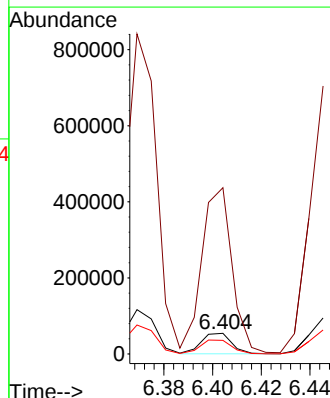
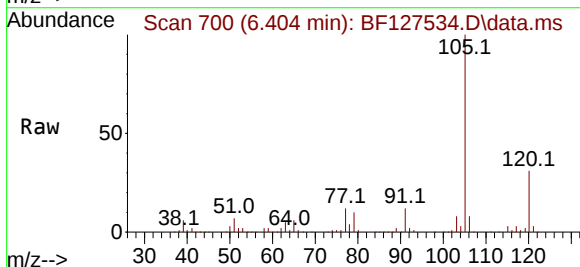
Tgt Ion: 77 Resp: 47372

Ion Ratio Lower Upper

77 100

105 806.5 66.8 106.8#

106 66.4 64.3 104.3





#19

n-Nitroso-di-n-propylamine

Concen: 20.447 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127534.D

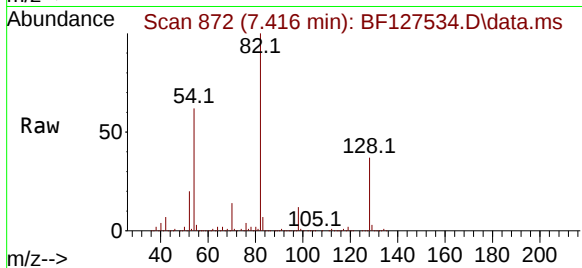
Acq: 25 Mar 2022 19:15

Instrument :

BNA_F

ClientSampleId :

BLDG-3



Tgt Ion: 70 Resp: 91978

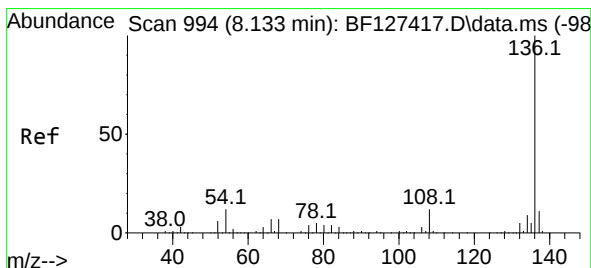
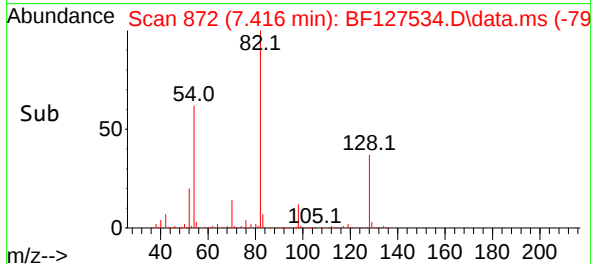
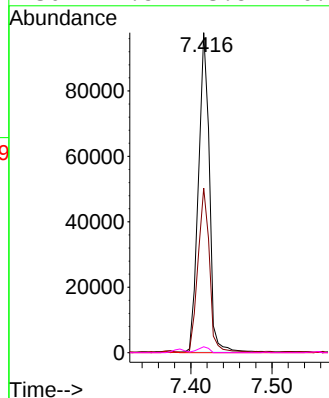
Ion Ratio Lower Upper

70 100

42 51.4 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: BF127534.D

Acq: 25 Mar 2022 19:15

Tgt Ion: 136 Resp: 315191

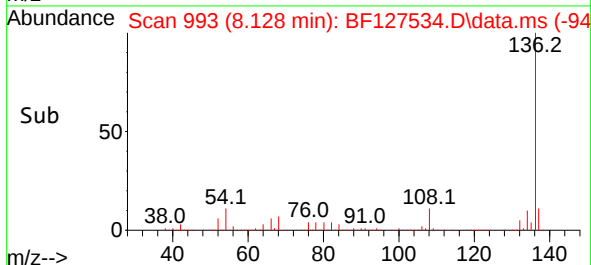
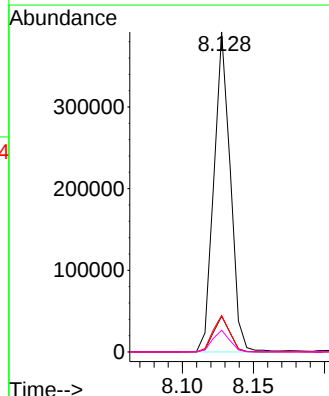
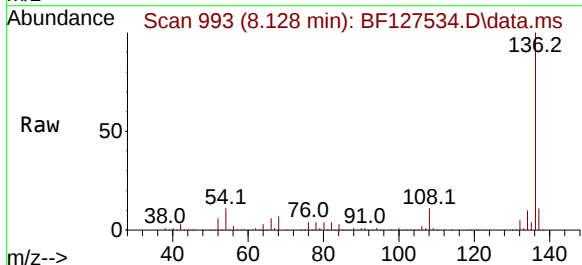
Ion Ratio Lower Upper

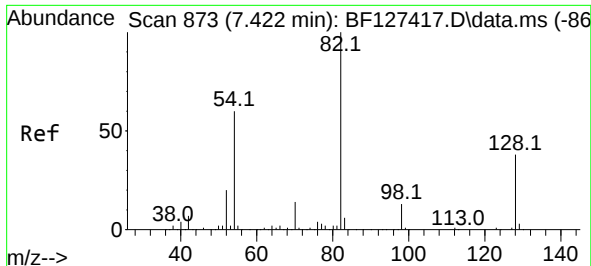
136 100

137 11.2 8.6 13.0

54 11.4 9.2 13.8

68 6.8 5.4 8.0





#23

Nitrobenzene-d5

Concen: 90.145 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

Instrument :

BNA_F

ClientSampleId :

BLDG-3

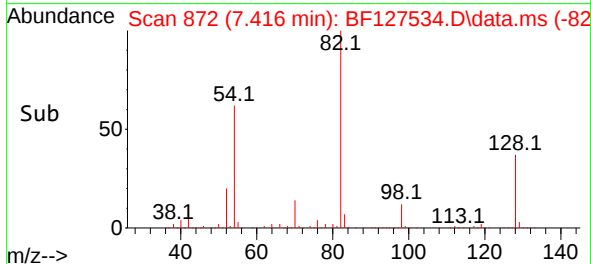
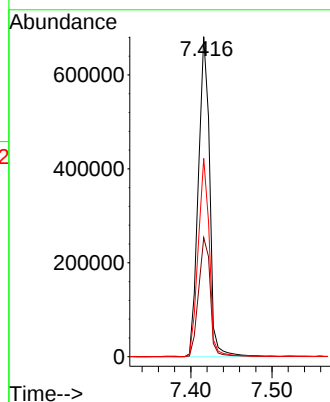
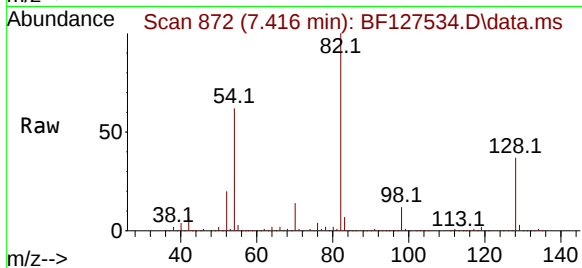
Tgt Ion: 82 Resp: 664694

Ion Ratio Lower Upper

82 100

128 37.2 30.6 45.8

54 62.0 48.2 72.2



#25

Isophorone

Concen: 56.598 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

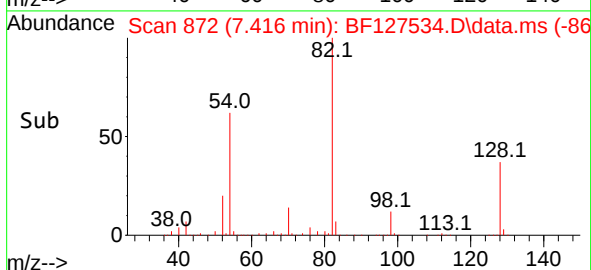
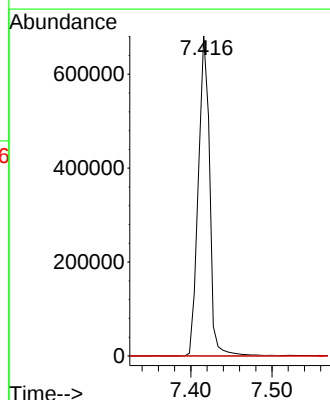
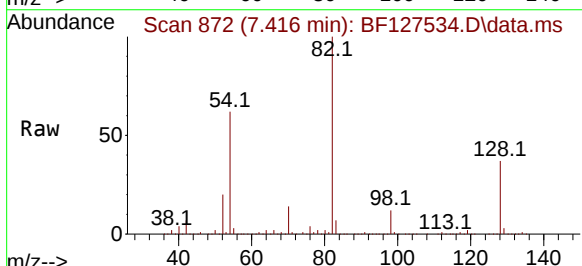
Tgt Ion: 82 Resp: 664694

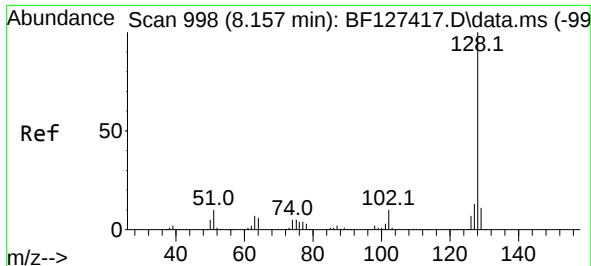
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

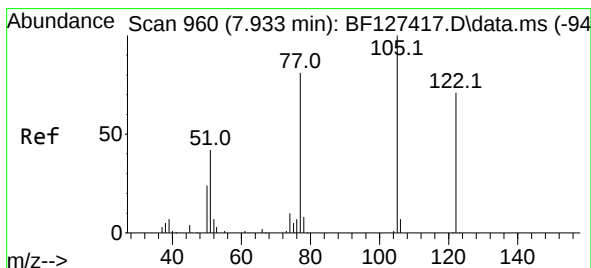
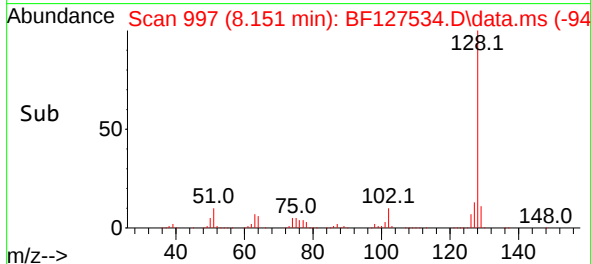
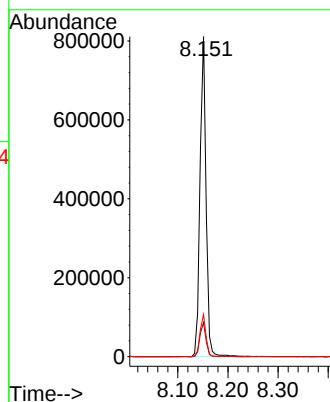
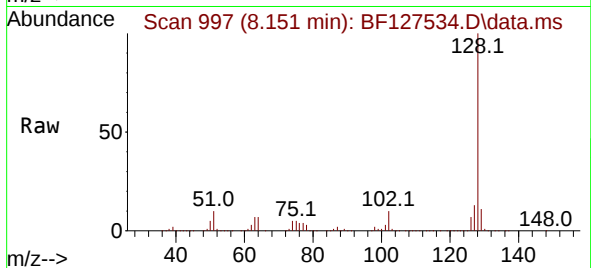




#31
Naphthalene
Concen: 40.474 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

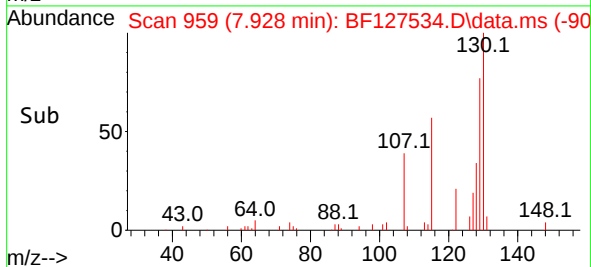
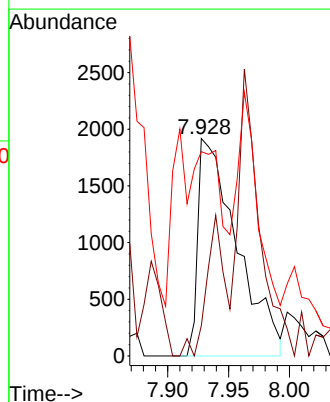
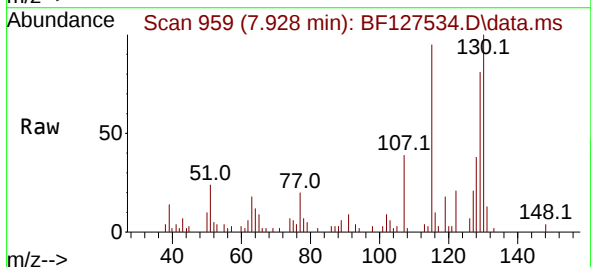
Instrument :
BNA_F
ClientSampleId :
BLDG-3

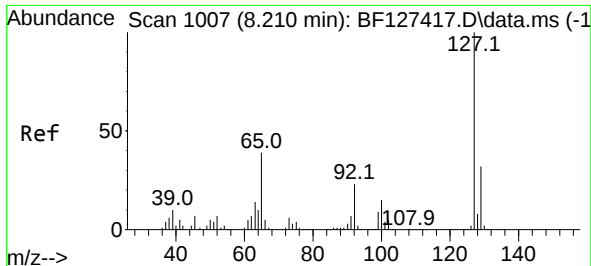
Tgt Ion:128 Resp: 677285
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.2 10.2 15.2



#32
Benzoic acid
Concen: 7.510 ng
RT: 7.928 min Scan# 959
Delta R.T. -0.005 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

Tgt Ion:122 Resp: 4280
Ion Ratio Lower Upper
122 100
105 13.9 117.1 157.1#
77 94.0 93.0 133.0

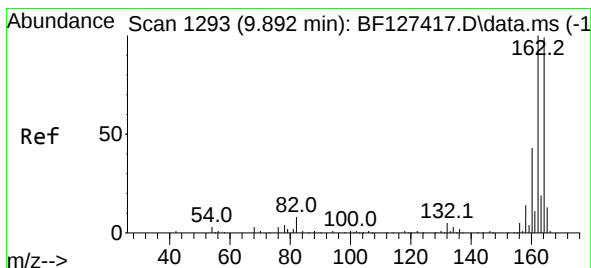
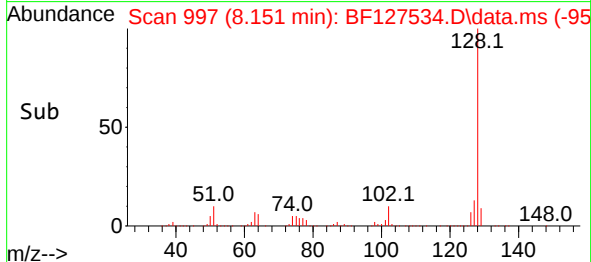
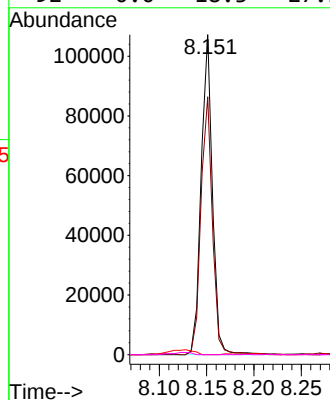
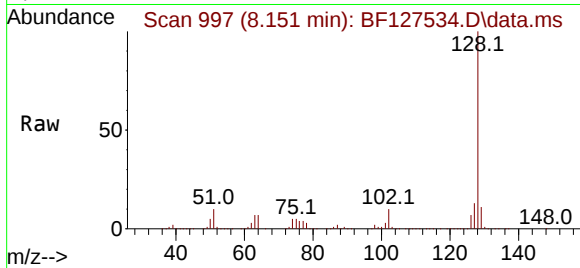




#33
4-Chloroaniline
Concen: 13.738 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.059 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

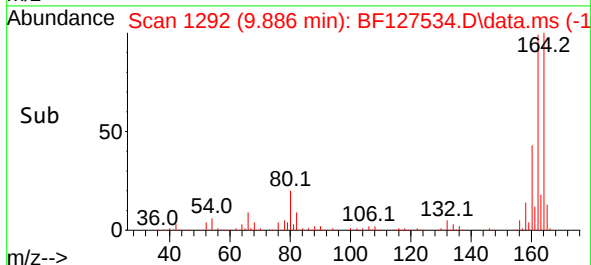
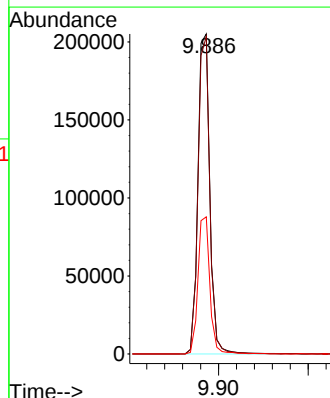
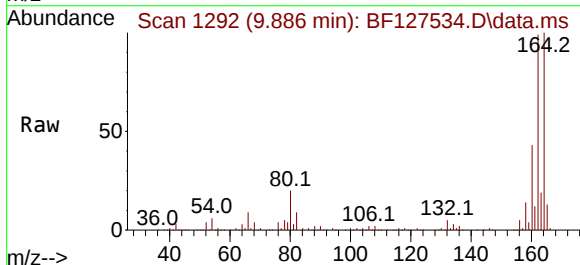
Instrument :
BNA_F
ClientSampleId :
BLDG-3

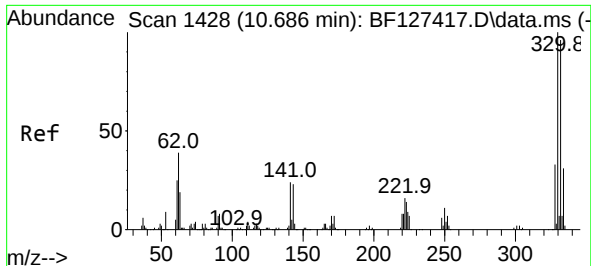
Tgt Ion:	127	Resp:	89083
Ion	Ratio	Lower	Upper
127	100		
129	80.6	25.9	38.9#
65	0.0	31.4	47.0#
92	0.0	18.3	27.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

Tgt Ion:	164	Resp:	188594
Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.2	121.8
160	42.9	34.6	52.0





#42

2,4,6-Tribromophenol

Concen: 126.268 ng

RT: 10.680 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

Instrument :

BNA_F

ClientSampleId :

BLDG-3

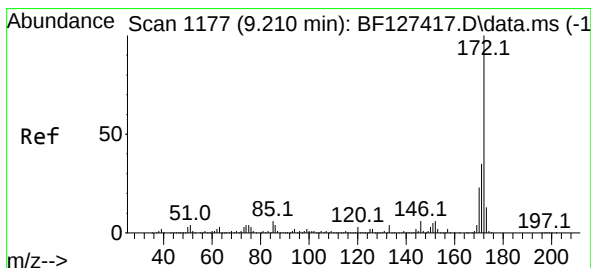
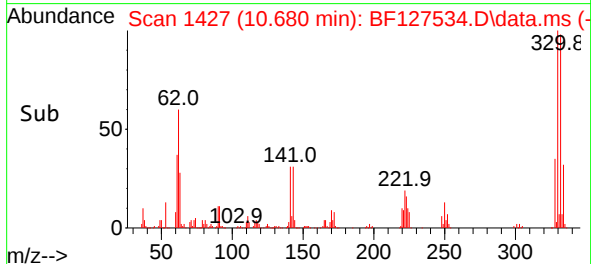
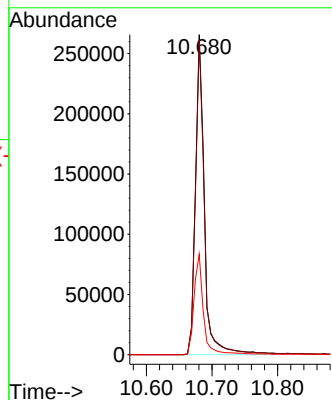
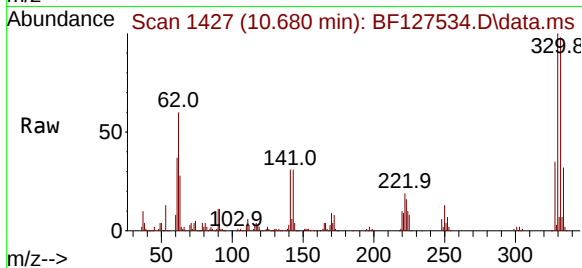
Tgt Ion:330 Resp: 253674

Ion Ratio Lower Upper

330 100

332 97.9 79.1 118.7

141 33.3 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 86.945 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

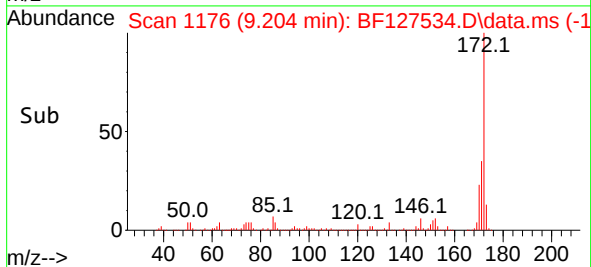
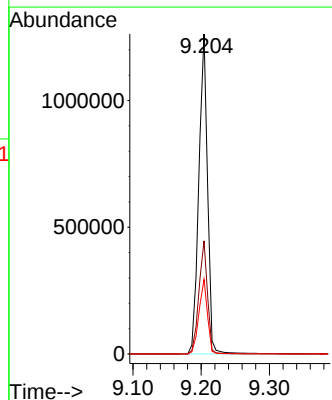
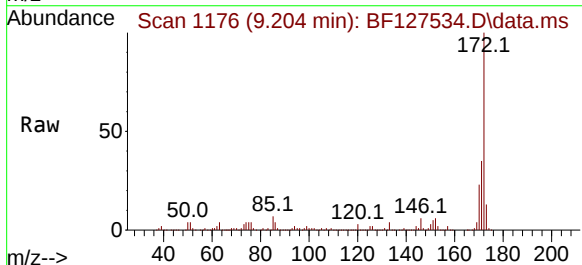
Tgt Ion:172 Resp: 1122920

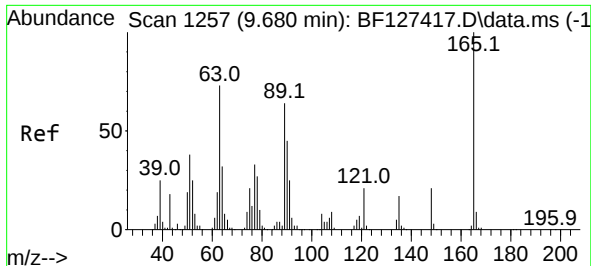
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.3 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.641 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

Instrument :

BNA_F

ClientSampleId :

BLDG-3

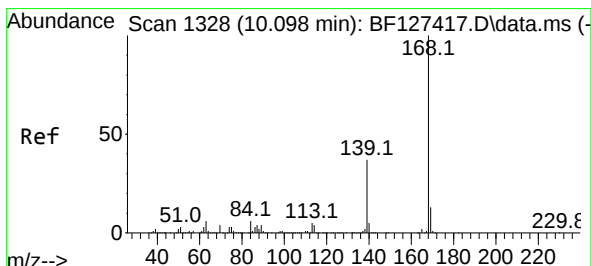
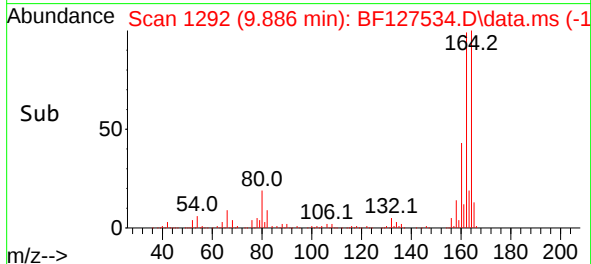
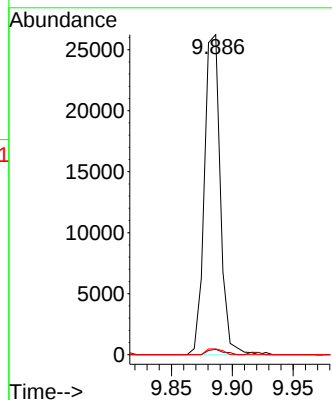
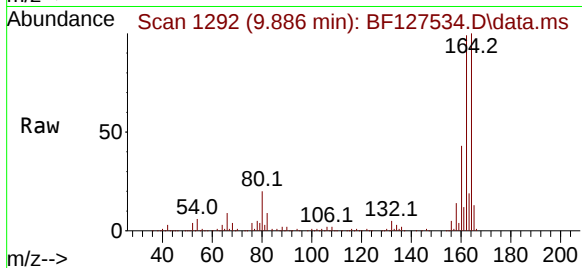
Tgt Ion:165 Resp: 23797

Ion Ratio Lower Upper

165 100

63 1.7 58.3 87.5#

89 1.8 51.5 77.3#



#55

Dibenzofuran

Concen: Below Cal

RT: 10.098 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF127534.D

Acq: 25 Mar 2022 19:15

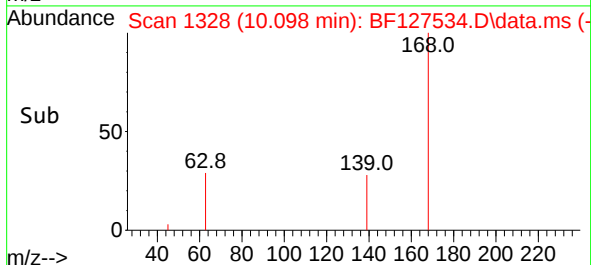
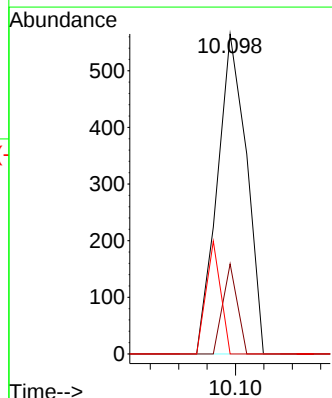
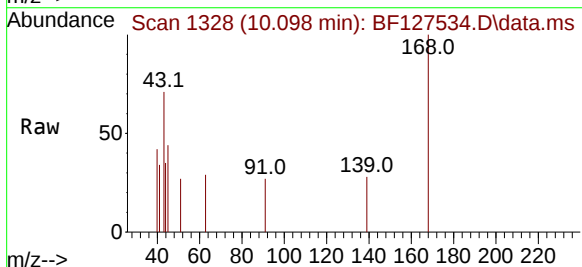
Tgt Ion:168 Resp: 403

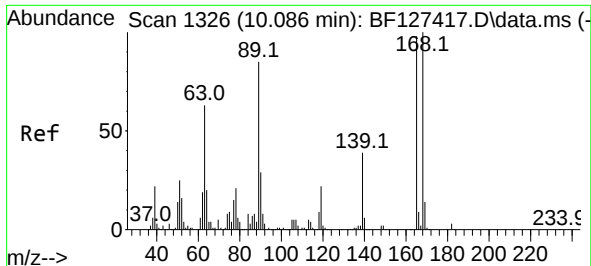
Ion Ratio Lower Upper

168 100

139 28.1 30.3 45.5#

169 0.0 10.8 16.2#

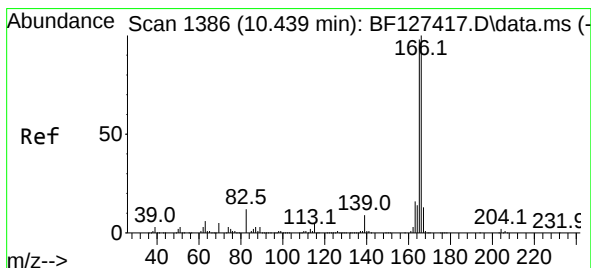
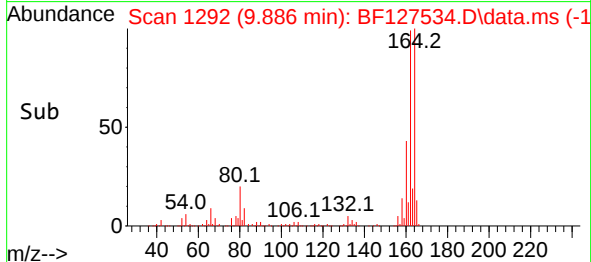
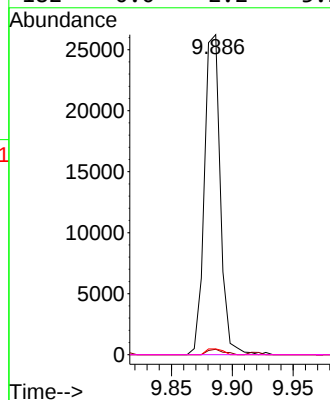
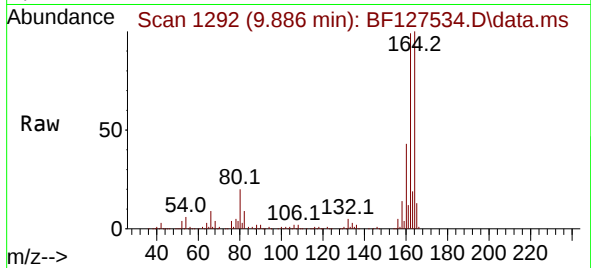




#57
2,4-Dinitrotoluene
Concen: 6.713 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

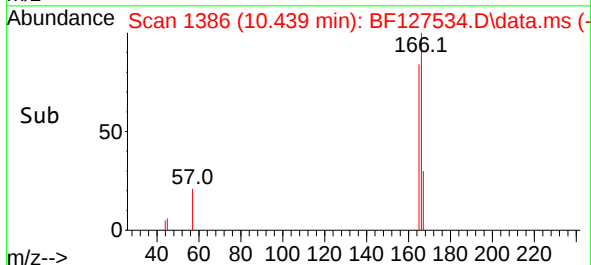
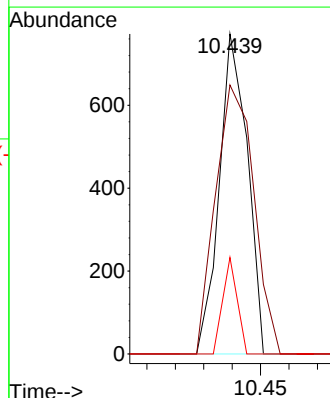
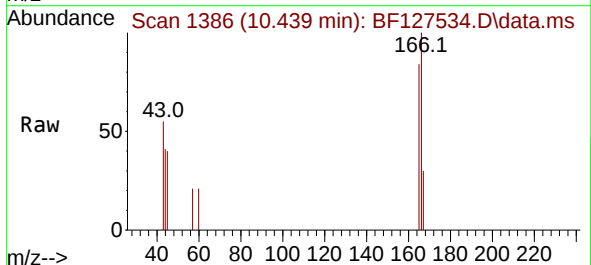
Instrument :
BNA_F
ClientSampleId :
BLDG-3

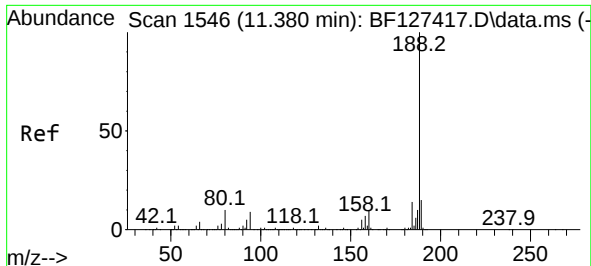
Tgt Ion:165 Resp: 23797
Ion Ratio Lower Upper
165 100
63 1.7 53.1 79.7#
89 1.8 69.2 103.8#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

Tgt Ion:166 Resp: 530
Ion Ratio Lower Upper
166 100
165 84.1 78.1 117.1
167 30.2 10.5 15.7#

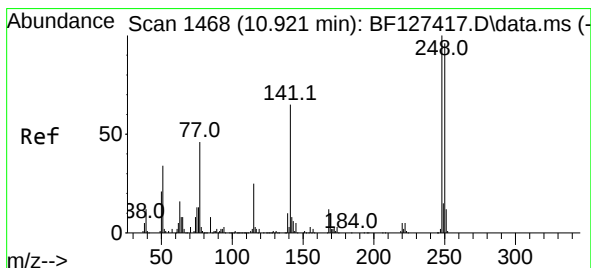
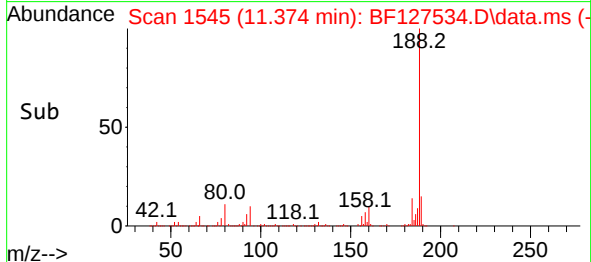
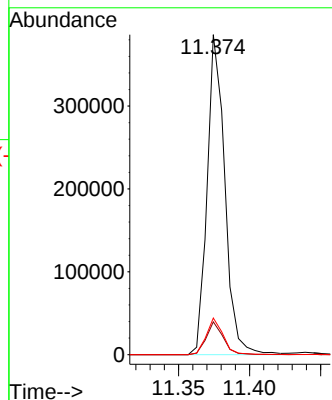
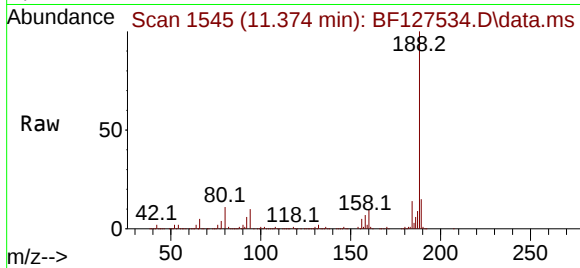




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

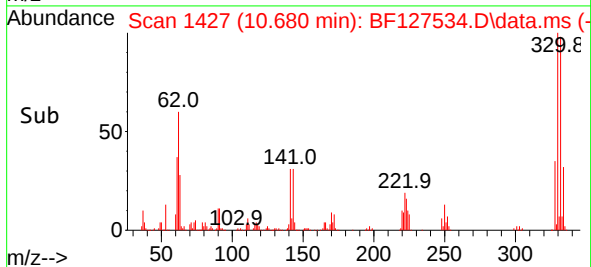
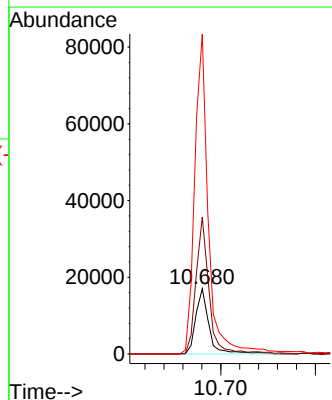
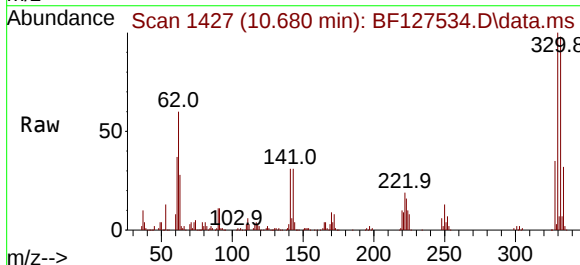
Instrument :
BNA_F
ClientSampleId :
BLDG-3

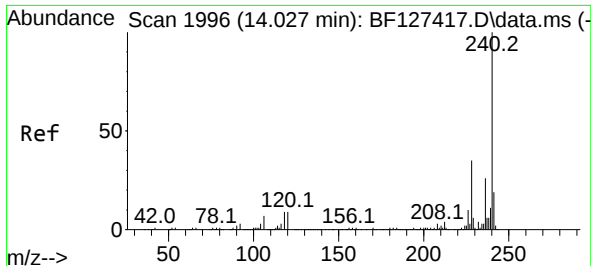
Tgt Ion:188 Resp: 335657
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 11.4 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 4.210 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.241 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

Tgt Ion:248 Resp: 16497
Ion Ratio Lower Upper
248 100
250 209.6 76.6 115.0#
141 489.9 52.2 78.2#

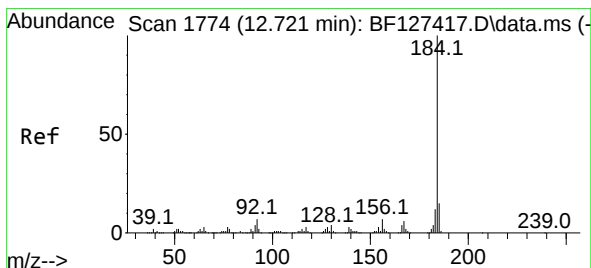
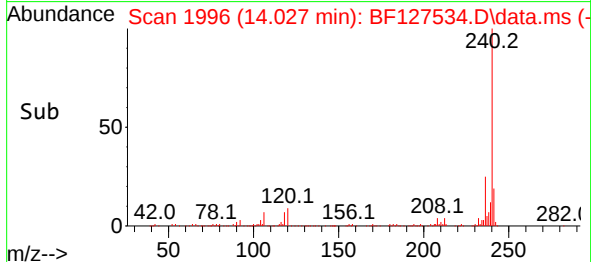
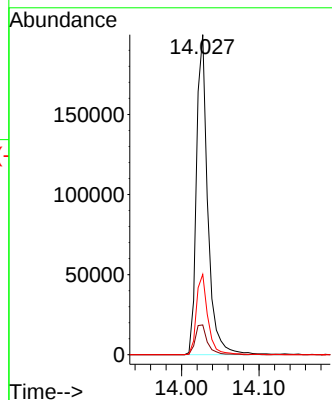
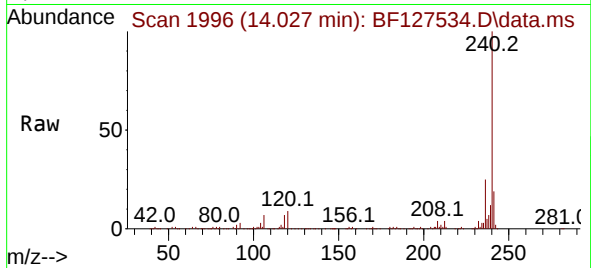




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

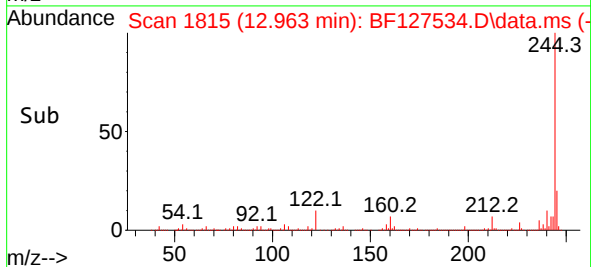
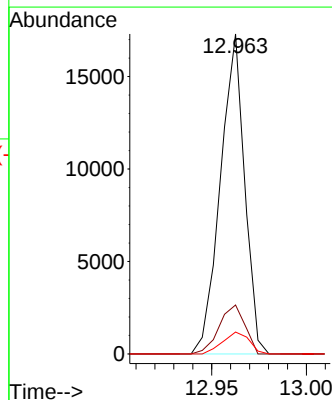
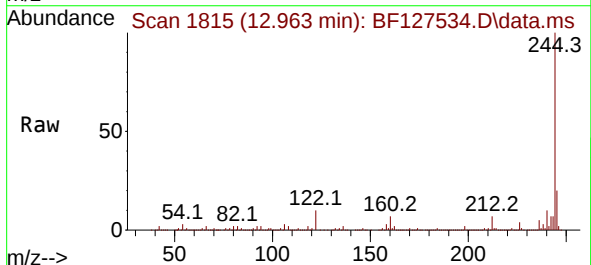
Instrument :
BNA_F
ClientSampleId :
BLDG-3

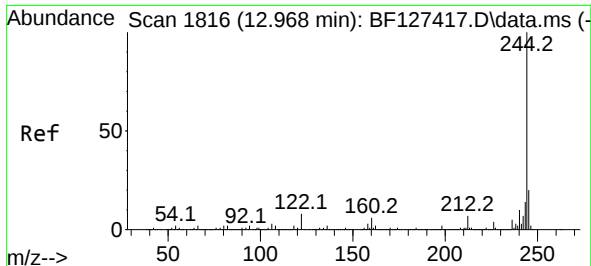
Tgt Ion:240 Resp: 202420
Ion Ratio Lower Upper
240 100
120 9.3 7.1 10.7
236 25.1 20.7 31.1



#77
Benzidine
Concen: 3.184 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.241 min
Lab File: BF127534.D
Acq: 25 Mar 2022 19:15

Tgt Ion:184 Resp: 15367
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.2
183 6.9 9.4 14.0#

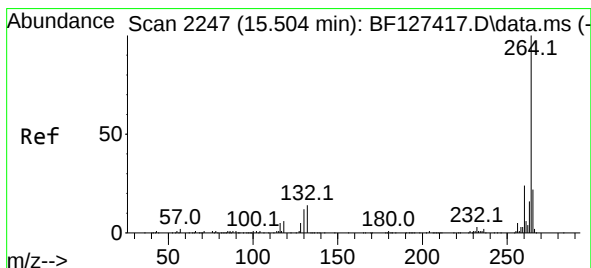
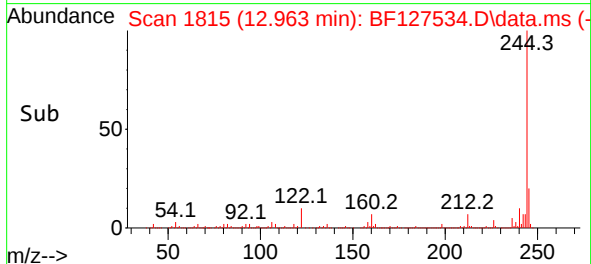
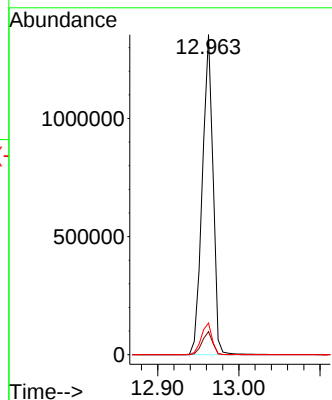
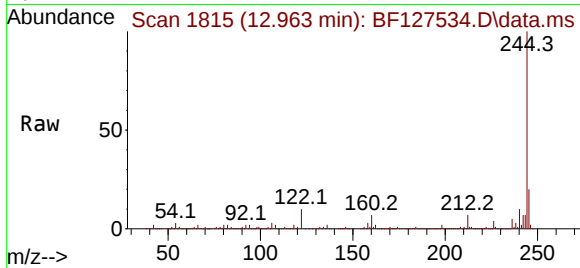




#79
 Terphenyl-d14
 Concen: 100.413 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF127534.D
 Acq: 25 Mar 2022 19:15

Instrument :
 BNA_F
 ClientSampleId :
 BLDG-3

Tgt Ion:244 Resp: 1241618
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 9.9 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2248
 Delta R.T. 0.006 min
 Lab File: BF127534.D
 Acq: 25 Mar 2022 19:15

Tgt Ion:264 Resp: 168421
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.1 28.7
 265 20.9 17.4 26.2

