

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040122\
 Data File : BF127620.D
 Acq On : 01 Apr 2022 19:03
 Operator : CG\JU
 Sample : N2202-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHF

Quant Time: Apr 01 23:49:29 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

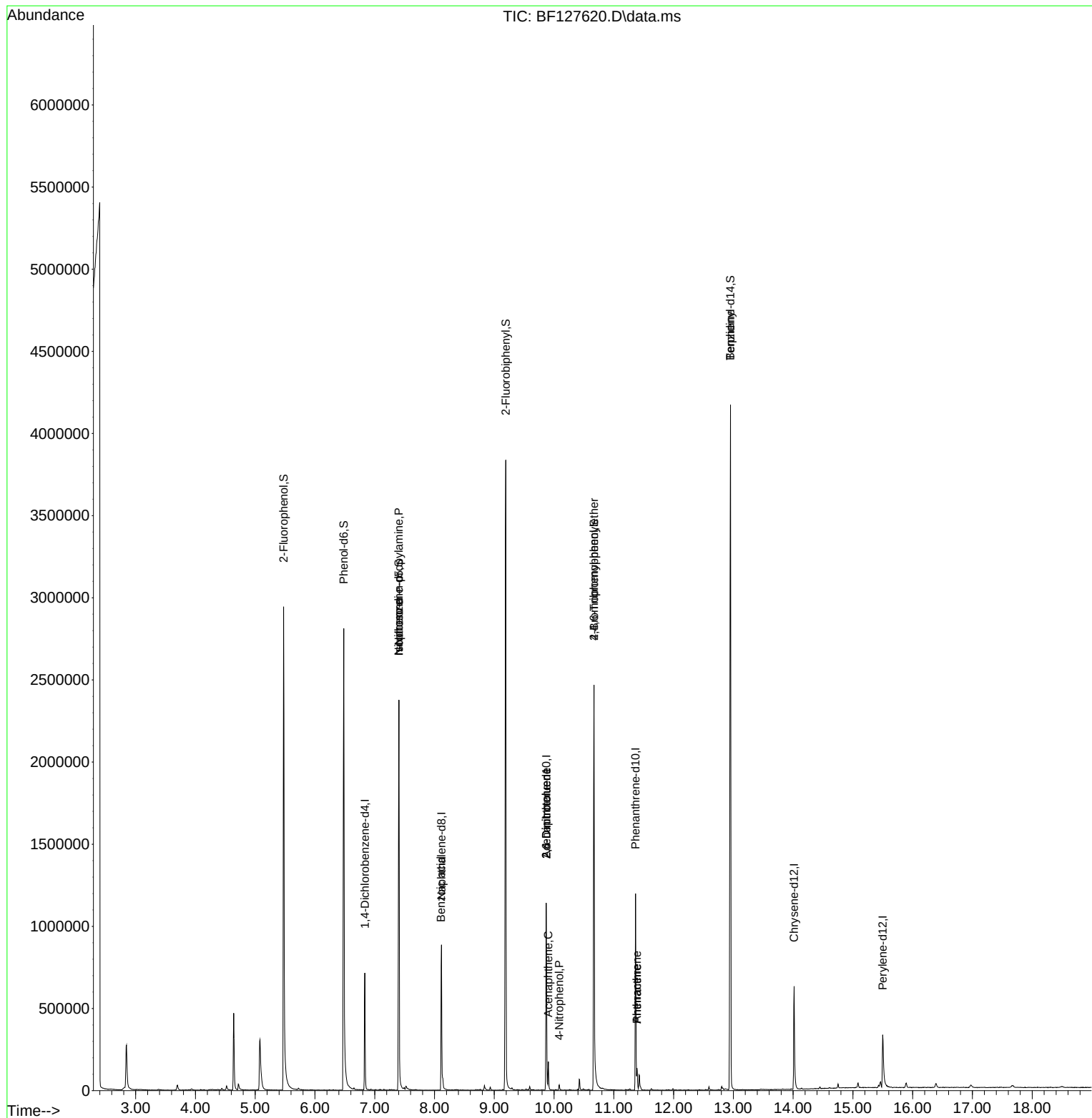
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	99721	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	381018	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	219686	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	401944	20.000	ng	0.00
76) Chrysene-d12	14.016	240	261169	20.000	ng	0.00
86) Perylene-d12	15.498	264	189816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	815241	130.494	ng	0.02
7) Phenol-d6	6.481	99	1040076	121.794	ng	0.00
23) Nitrobenzene-d5	7.404	82	802475	90.028	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	322280	137.714	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1331851	88.527	ng	0.00
79) Terphenyl-d14	12.951	244	1560299	97.800	ng	0.00
Target Compounds						
9) Benzaldehyde	6.481	77	1382	Below Cal		Qvalue # 7
19) n-Nitroso-di-n-propyla...	7.404	70	106953	20.894	ng	# 78
25) Isophorone	7.404	82	802468	56.525	ng	# 70
32) Benzoic acid	8.110	122	71	6.062	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	28274	8.813	ng	# 17
52) Acenaphthene	9.904	154	33481	2.905	ng	99
55) Dibenzofuran	10.086	168	14841	Below Cal		98
56) 4-Nitrophenol	10.086	139	5197	2.902	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	28274	6.847	ng	# 13
58) Fluorene	10.428	166	20095	Below Cal		98
67) 4-Bromophenyl-phenylether	10.669	248	21823	4.650	ng	# 1
71) Phenanthrene	11.386	178	47536	2.268	ng	96
72) Anthracene	11.386	178	47536	2.286	ng	97
77) Benzidine	12.951	184	19348	3.107	ng	# 92

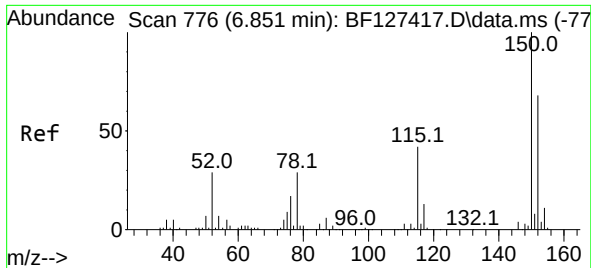
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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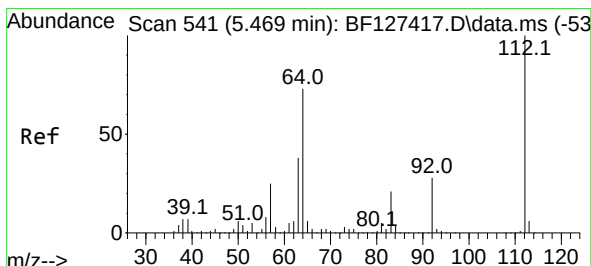
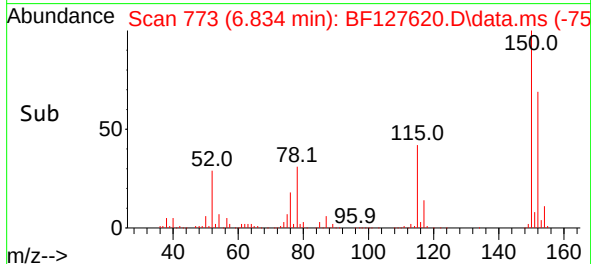
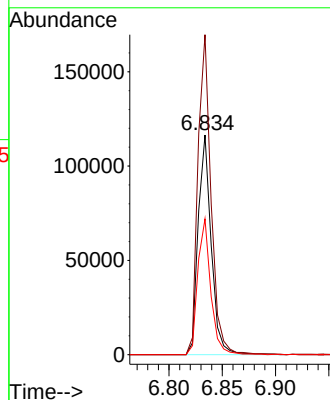
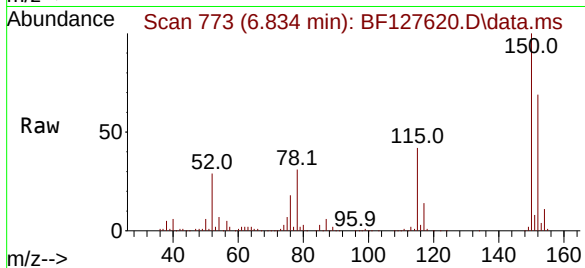




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

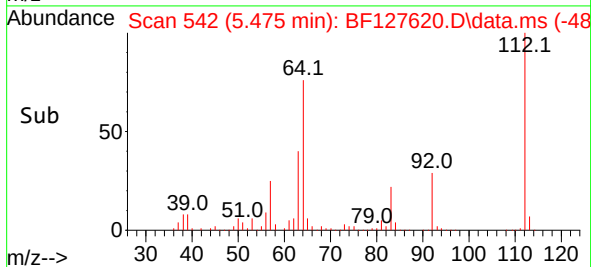
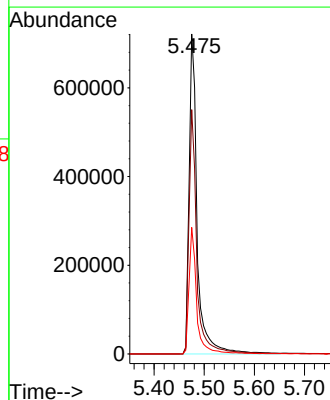
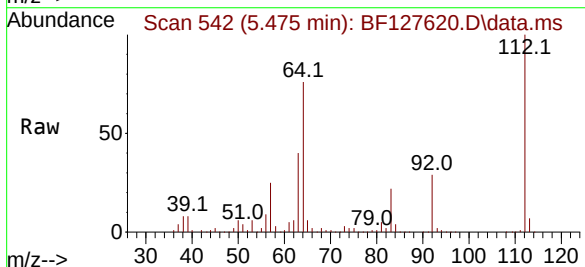
Instrument :
BNA_F
ClientSampleId :
MHF

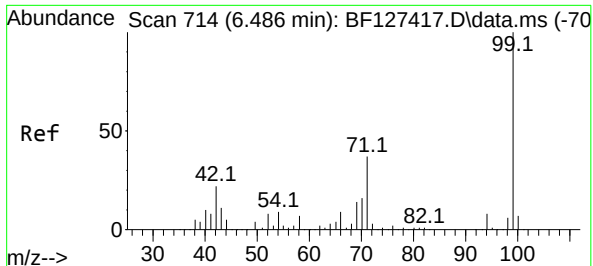
Tgt Ion:152 Resp: 99721
Ion Ratio Lower Upper
152 100
150 145.7 117.2 175.8
115 61.9 49.8 74.6



#5
2-Fluorophenol
Concen: 130.494 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.018 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

Tgt Ion:112 Resp: 815241
Ion Ratio Lower Upper
112 100
64 76.4 58.4 87.6
63 39.6 30.1 45.1

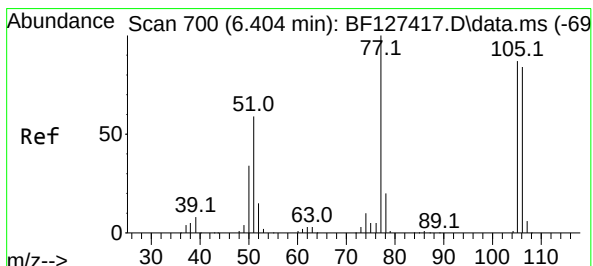
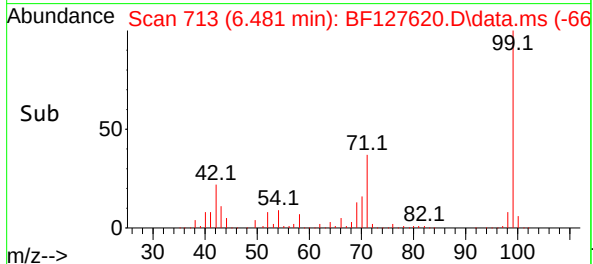
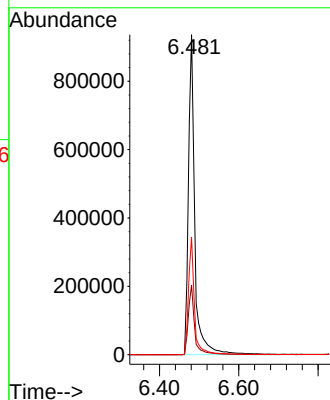
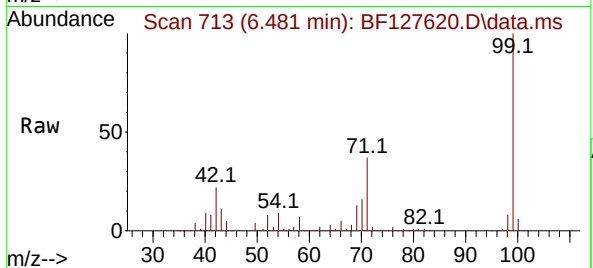




#7
Phenol-d6
Concen: 121.794 ng
RT: 6.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

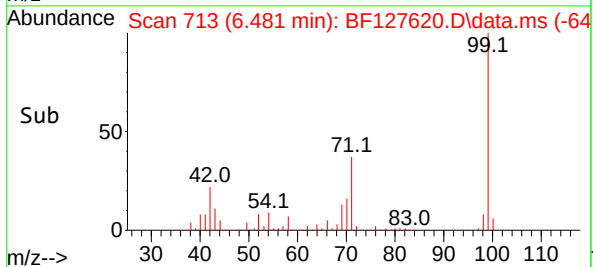
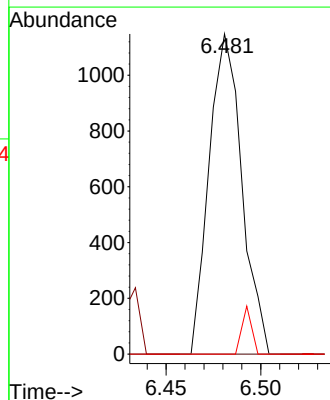
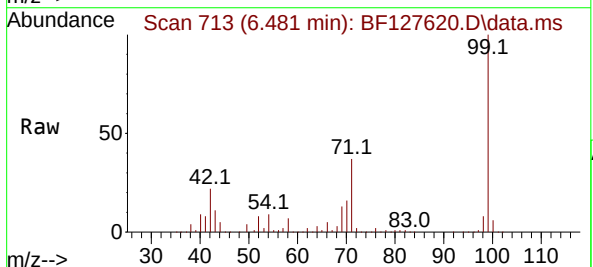
Instrument :
BNA_F
ClientSampleId :
MHF

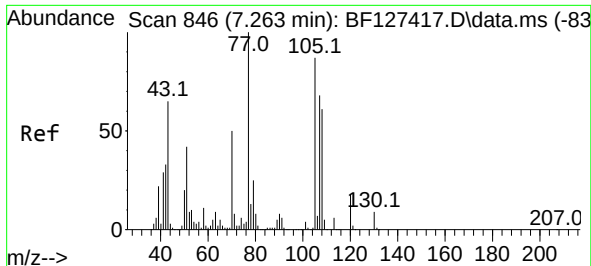
Tgt Ion: 99 Resp: 1040076
Ion Ratio Lower Upper
99 100
42 21.7 17.8 26.6
71 36.7 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.481 min Scan# 713
Delta R.T. 0.088 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

Tgt Ion: 77 Resp: 1382
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: 20.894 ng

RT: 7.404 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127620.D

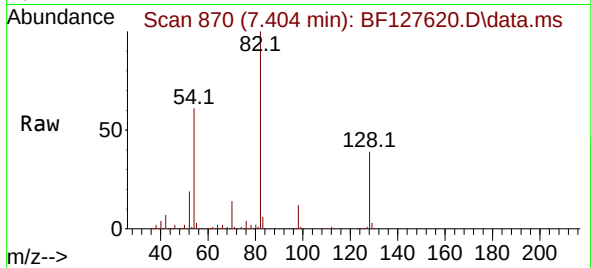
Acq: 01 Apr 2022 19:03

Instrument :

BNA_F

ClientSampleId :

MHF



Tgt Ion: 70 Resp: 106953

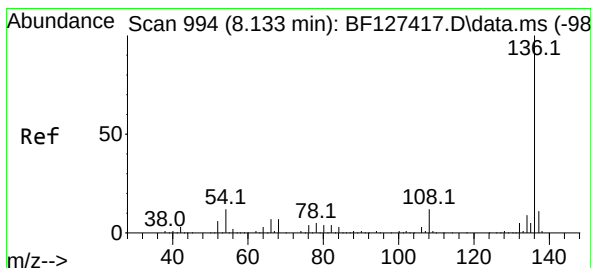
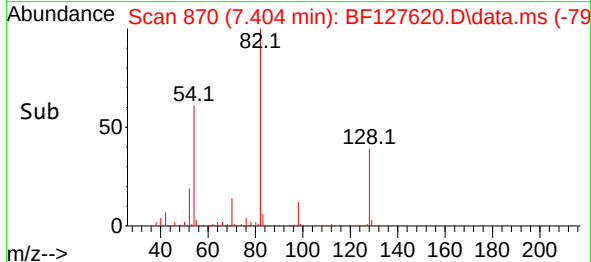
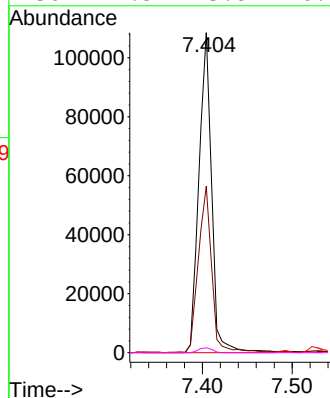
Ion Ratio Lower Upper

70 100

42 52.0 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: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

Tgt Ion: 136 Resp: 381018

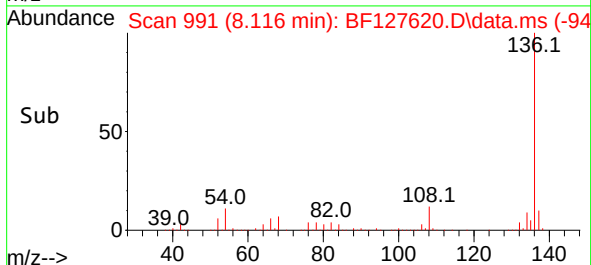
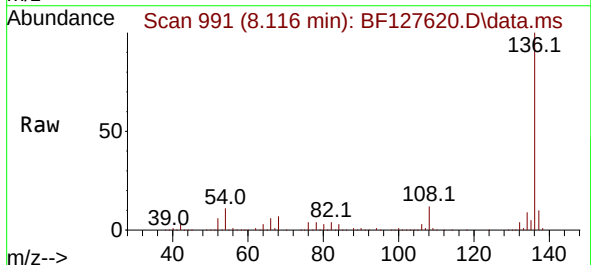
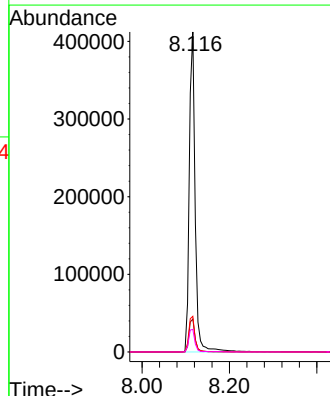
Ion Ratio Lower Upper

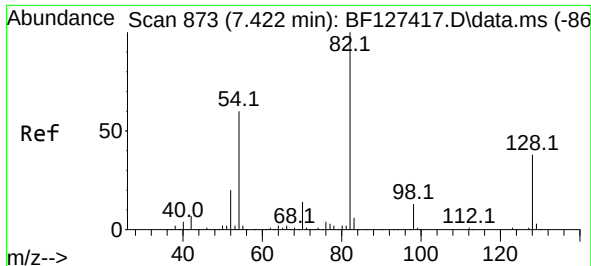
136 100

137 10.3 8.6 13.0

54 11.2 9.2 13.8

68 7.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 90.028 ng

RT: 7.404 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

Instrument :

BNA_F

ClientSampleId :

MHF

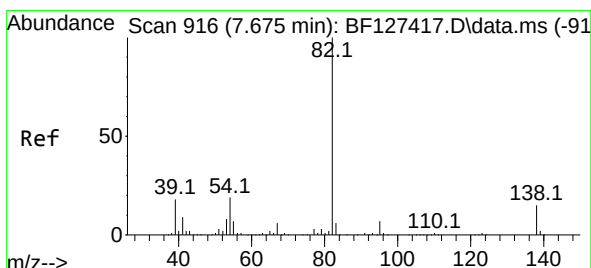
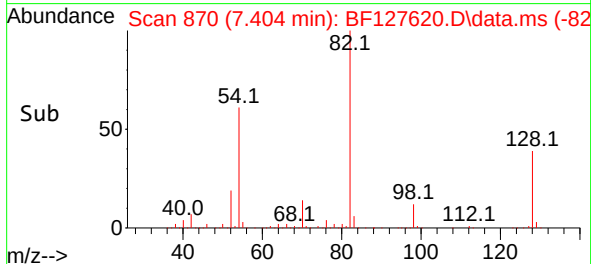
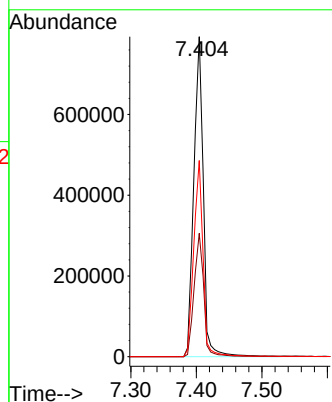
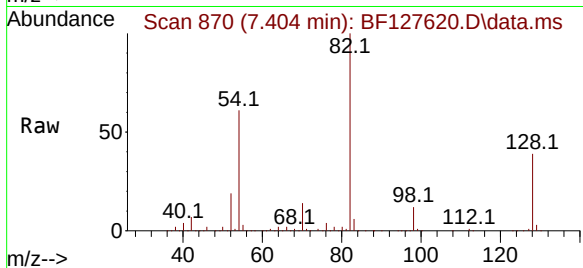
Tgt Ion: 82 Resp: 802475

Ion Ratio Lower Upper

82 100

128 38.5 30.6 45.8

54 61.3 48.2 72.2



#25

Isophorone

Concen: 56.525 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.259 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

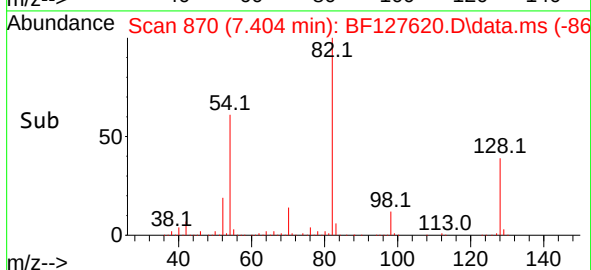
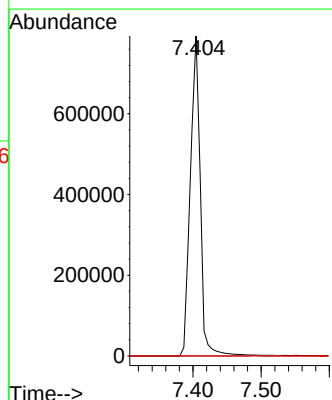
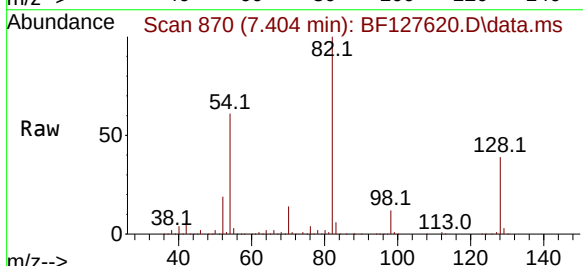
Tgt Ion: 82 Resp: 802468

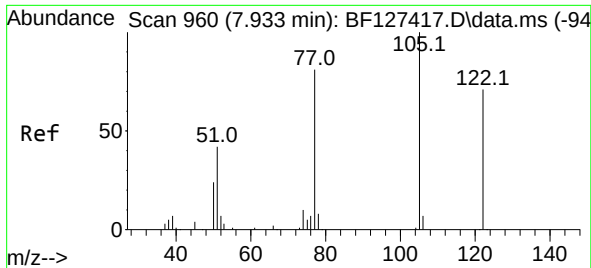
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

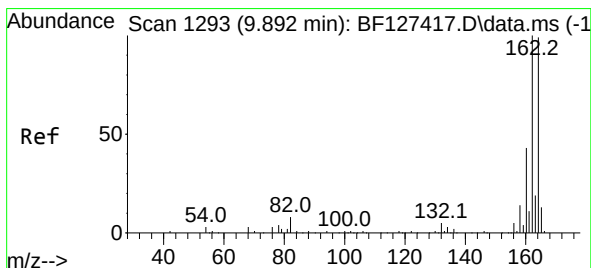
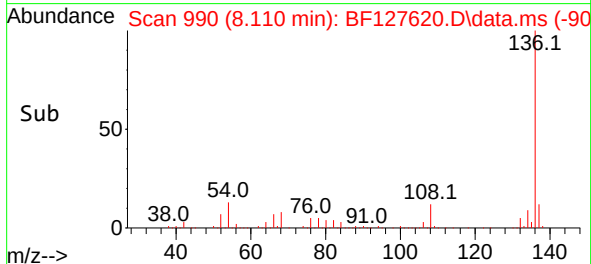
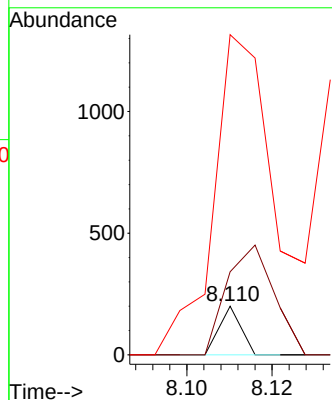
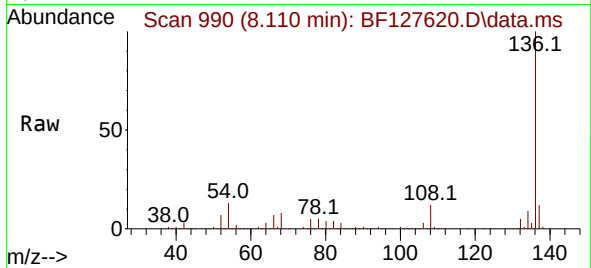




#32
Benzoic acid
Concen: 6.062 ng
RT: 8.110 min Scan# 91
Delta R.T. 0.183 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

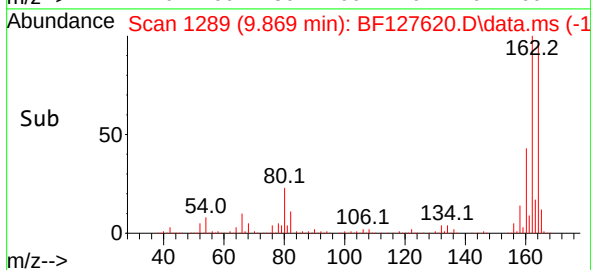
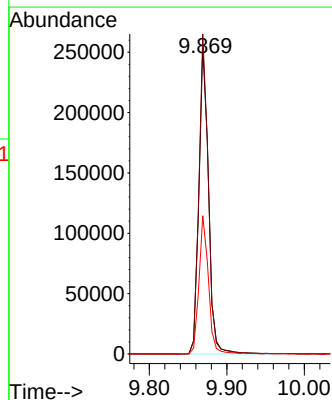
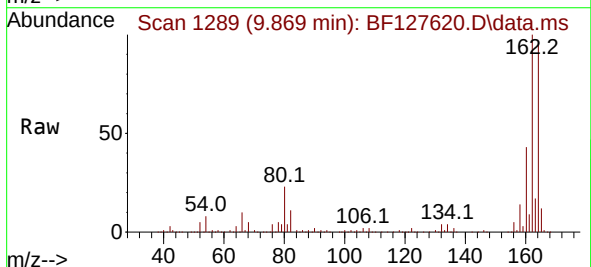
Instrument :
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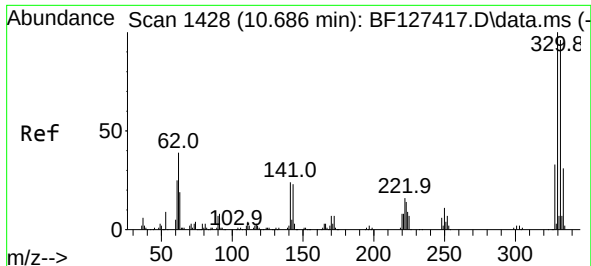
Tgt Ion:122 Resp: 71
Ion Ratio Lower Upper
122 100
105 170.5 117.1 157.1#
77 658.0 93.0 133.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

Tgt Ion:164 Resp: 219686
Ion Ratio Lower Upper
164 100
162 104.3 81.2 121.8
160 45.1 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 137.714 ng

RT: 10.669 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

Instrument :

BNA_F

ClientSampleId :

MHF

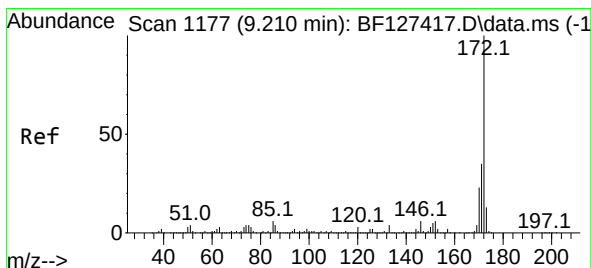
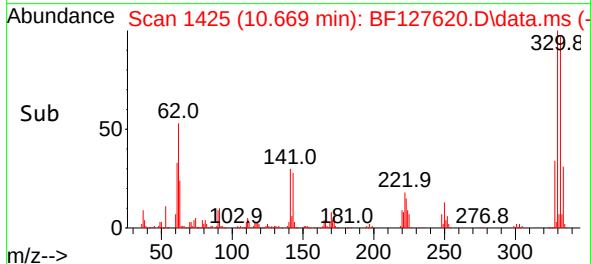
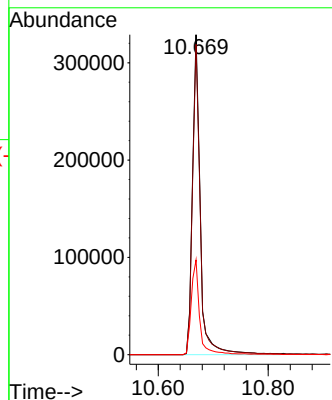
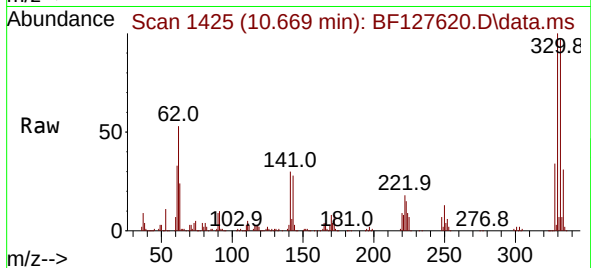
Tgt Ion:330 Resp: 322280

Ion Ratio Lower Upper

330 100

332 97.1 79.1 118.7

141 32.0 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 88.527 ng

RT: 9.192 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

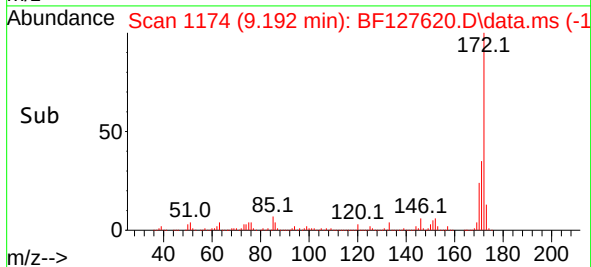
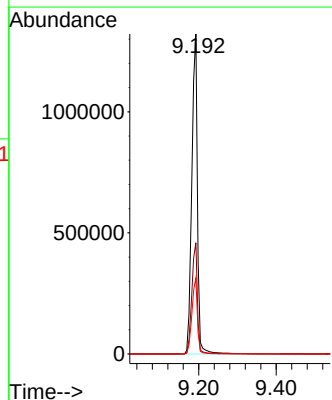
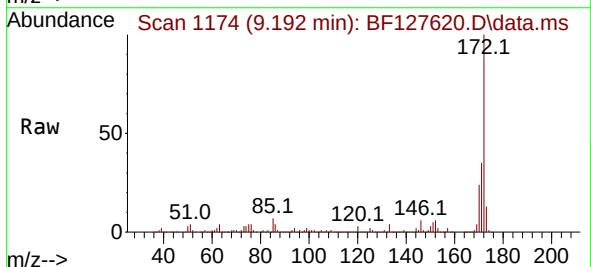
Tgt Ion:172 Resp: 1331851

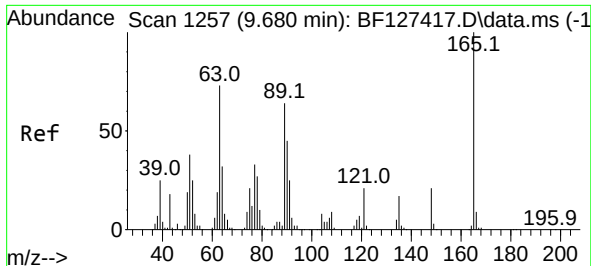
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.8 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.813 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

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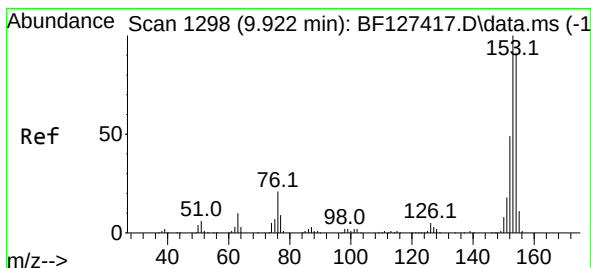
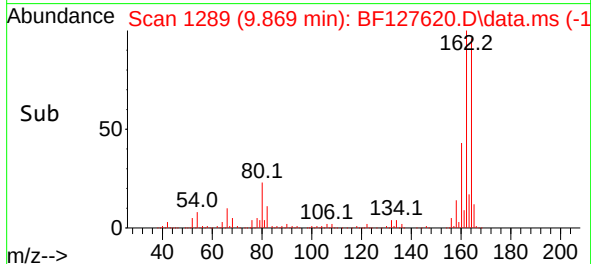
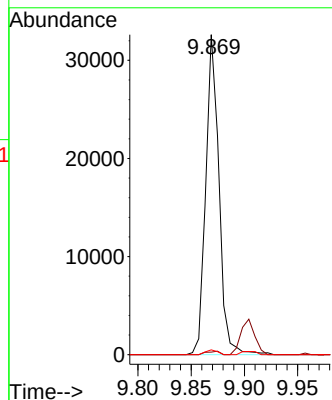
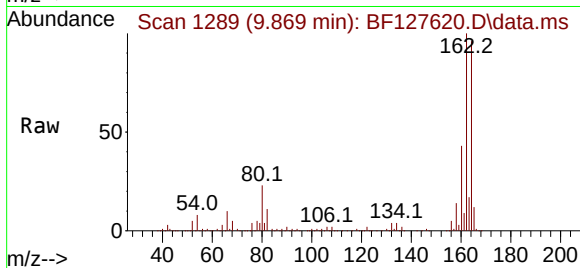
Tgt Ion:165 Resp: 28274

Ion Ratio Lower Upper

165 100

63 0.8 58.3 87.5#

89 1.5 51.5 77.3#



#52

Acenaphthene

Concen: 2.905 ng

RT: 9.904 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF127620.D

Acq: 01 Apr 2022 19:03

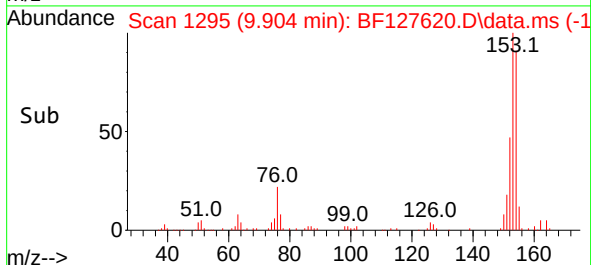
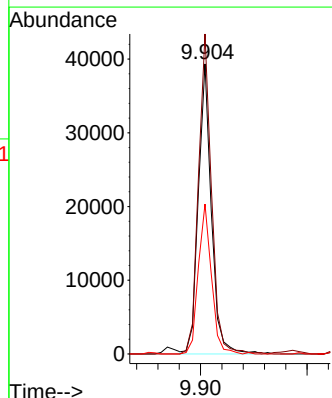
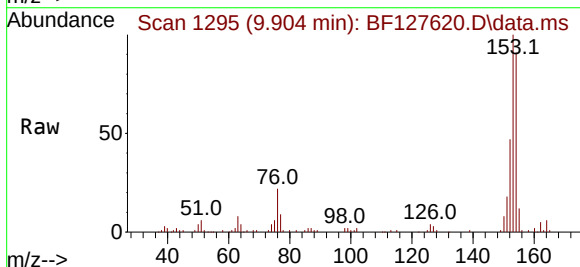
Tgt Ion:154 Resp: 33481

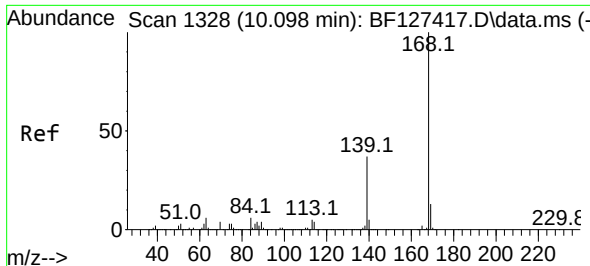
Ion Ratio Lower Upper

154 100

153 110.3 87.6 131.4

152 51.7 42.9 64.3

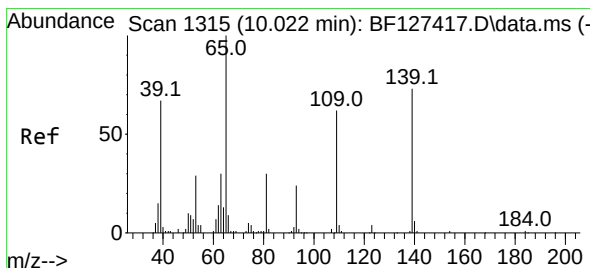
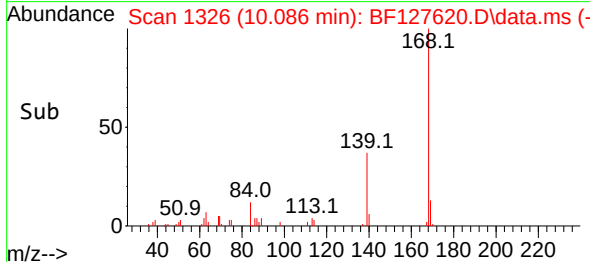
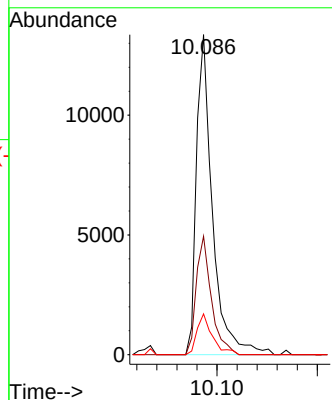
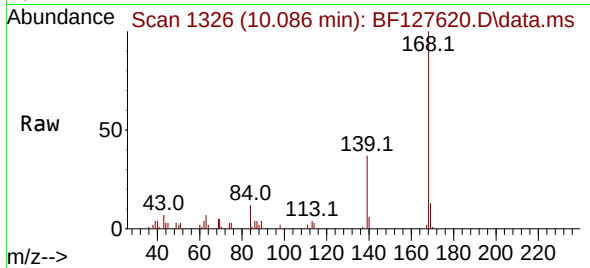




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.086 min Scan# 1326
Delta R.T. 0.006 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

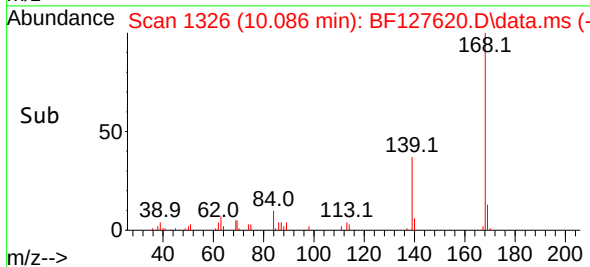
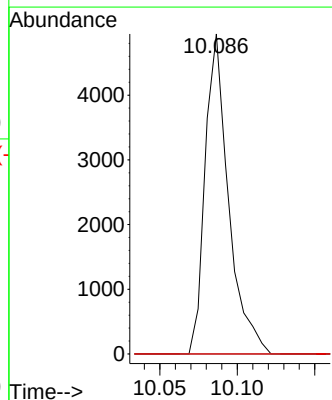
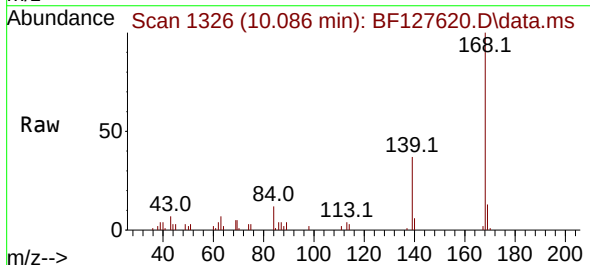
Instrument :
BNA_F
ClientSampleId :
MHF

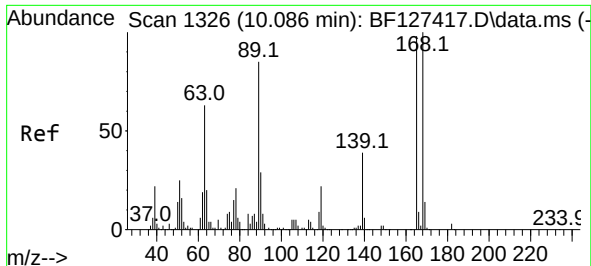
Tgt Ion:168 Resp: 14841
Ion Ratio Lower Upper
168 100
139 37.0 30.3 45.5
169 12.8 10.8 16.2



#56
4-Nitrophenol
Concen: 2.902 ng
RT: 10.086 min Scan# 1326
Delta R.T. 0.071 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

Tgt Ion:139 Resp: 5197
Ion Ratio Lower Upper
139 100
109 0.0 64.3 104.3#
65 0.0 117.5 157.5#

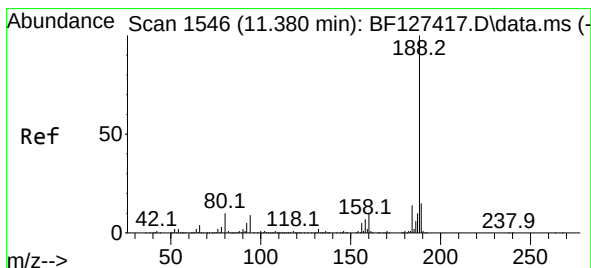
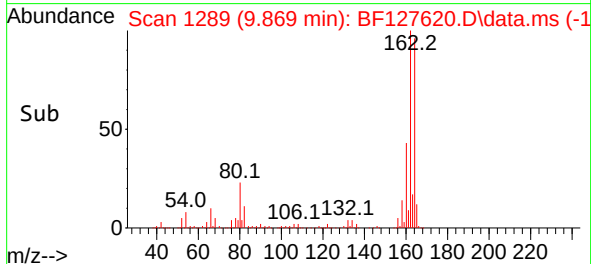
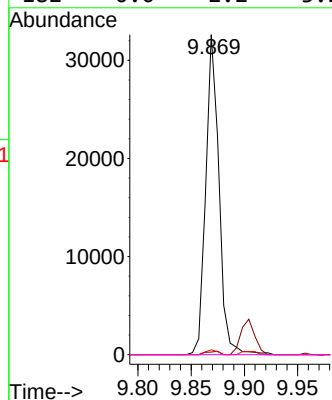
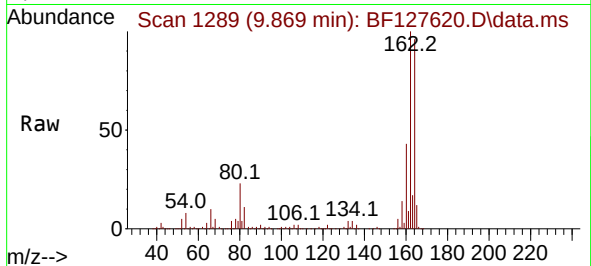




#57
2,4-Dinitrotoluene
Concen: 6.847 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

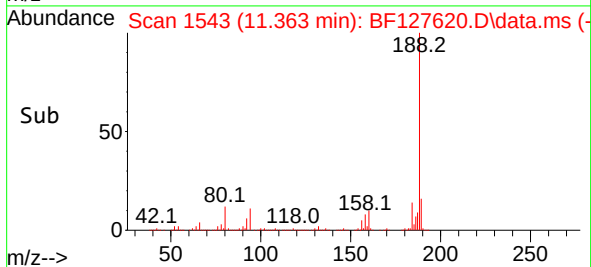
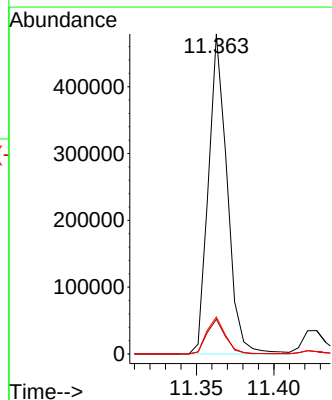
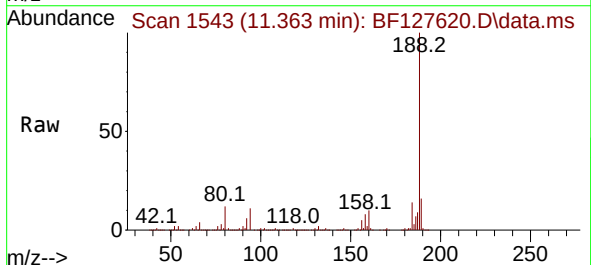
Instrument :
BNA_F
ClientSampleId :
MHF

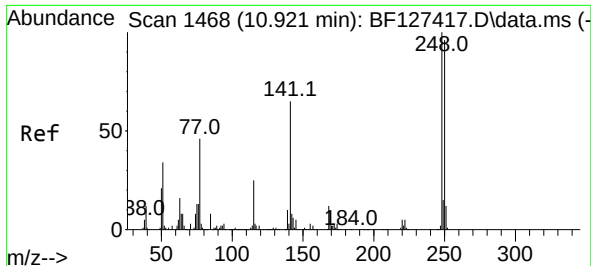
Tgt Ion:165 Resp: 28274
Ion Ratio Lower Upper
165 100
63 0.8 53.1 79.7#
89 1.5 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

Tgt Ion:188 Resp: 401944
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.0
80 11.6 8.0 12.0

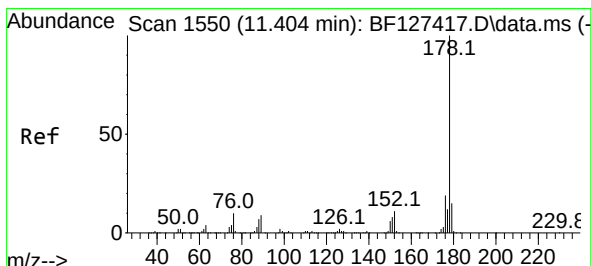
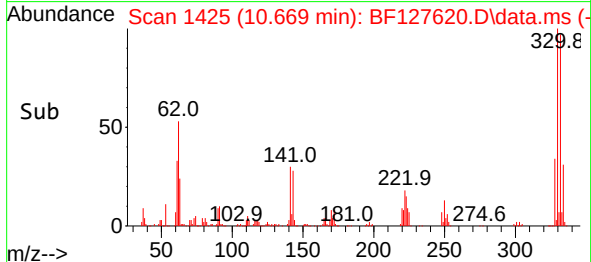
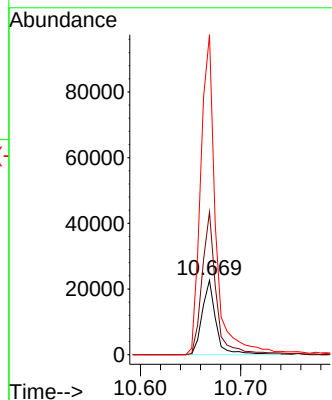
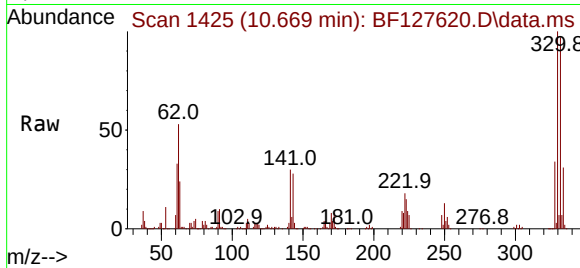




#67
4-Bromophenyl-phenylether
Concen: 4.650 ng
RT: 10.669 min Scan# 1468
Delta R.T. -0.235 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

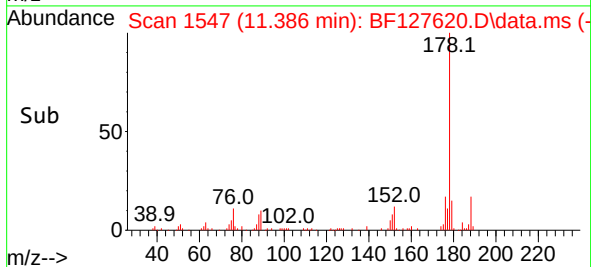
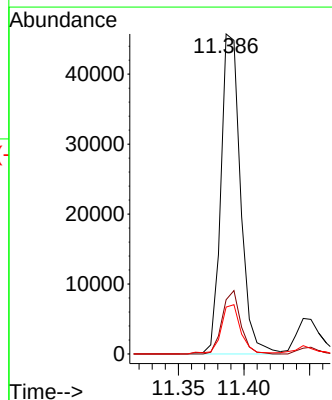
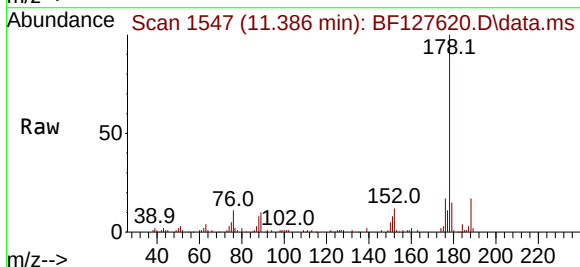
Instrument :
BNA_F
ClientSampleId :
MHF

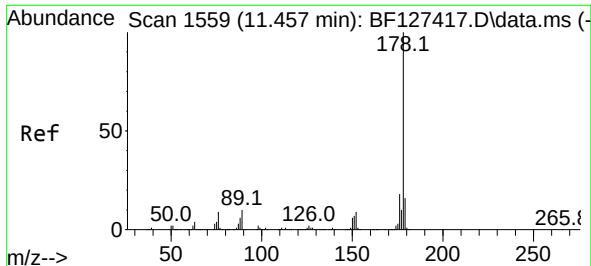
Tgt Ion:248 Resp: 21823
Ion Ratio Lower Upper
248 100
250 191.7 76.6 115.0#
141 429.9 52.2 78.2#



#71
Phenanthrene
Concen: 2.268 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

Tgt Ion:178 Resp: 47536
Ion Ratio Lower Upper
178 100
176 16.9 15.4 23.2
179 14.7 12.4 18.6

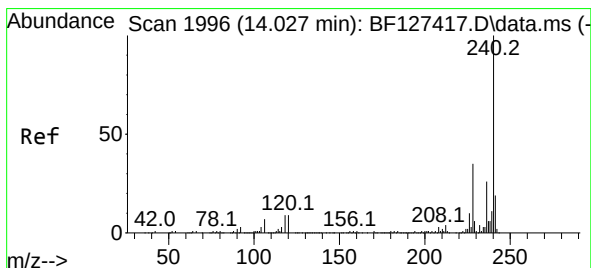
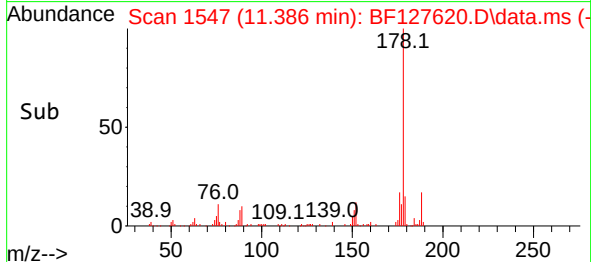
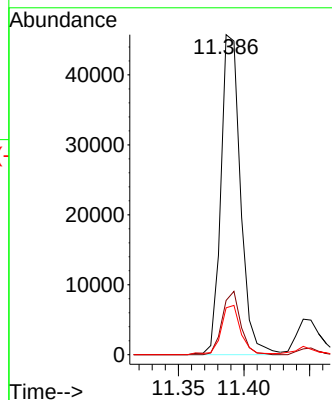
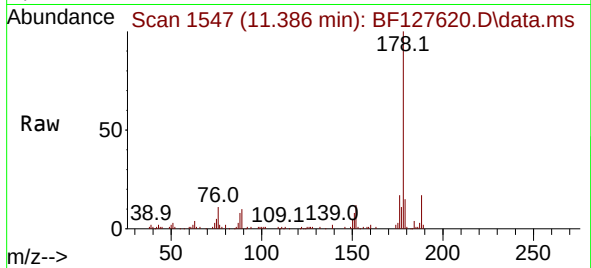




#72
 Anthracene
 Concen: 2.286 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF127620.D
 Acq: 01 Apr 2022 19:03

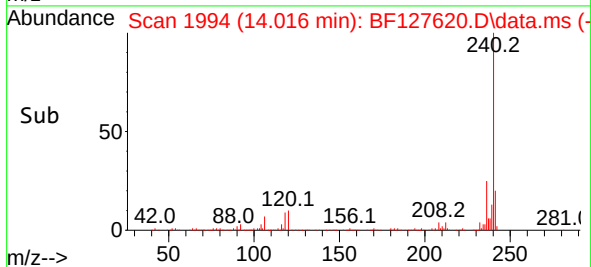
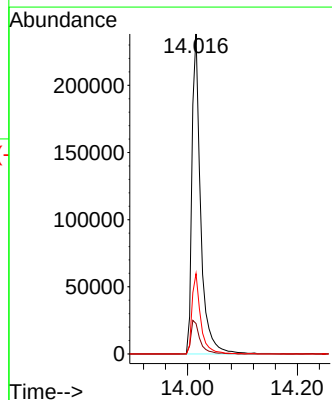
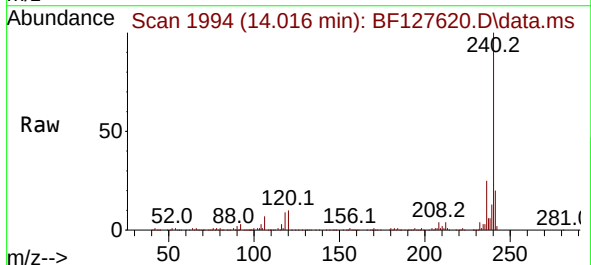
Instrument :
 BNA_F
 ClientSampleId :
 MHF

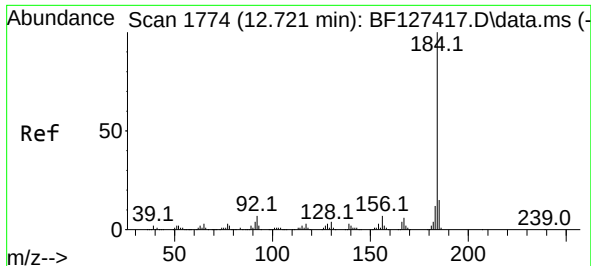
Tgt Ion:178 Resp: 47536
 Ion Ratio Lower Upper
 178 100
 176 16.9 14.6 22.0
 179 14.7 12.4 18.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.016 min Scan# 1994
 Delta R.T. 0.000 min
 Lab File: BF127620.D
 Acq: 01 Apr 2022 19:03

Tgt Ion:240 Resp: 261169
 Ion Ratio Lower Upper
 240 100
 120 9.5 7.1 10.7
 236 25.1 20.7 31.1

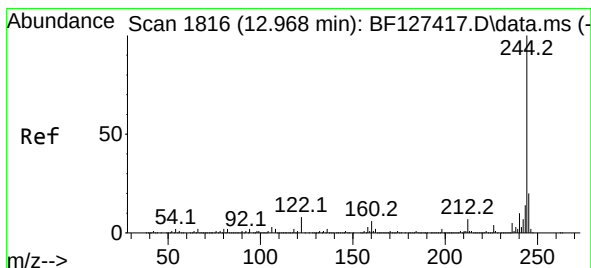
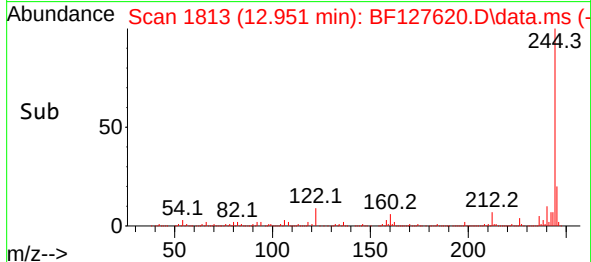
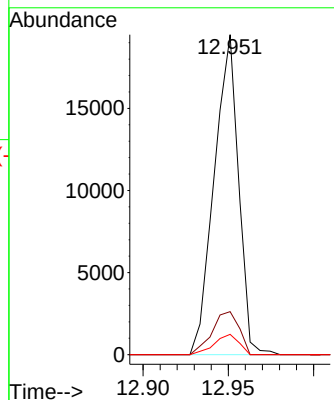
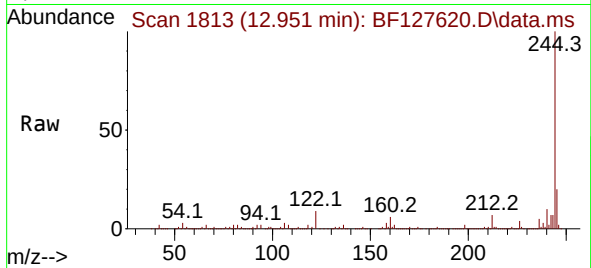




#77
Benzidine
Concen: 3.107 ng
RT: 12.951 min Scan# 1813
Delta R.T. 0.241 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

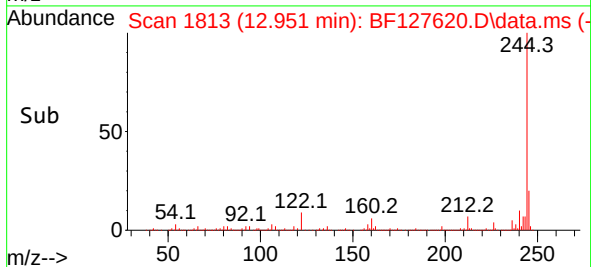
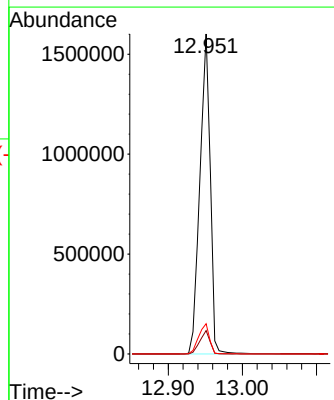
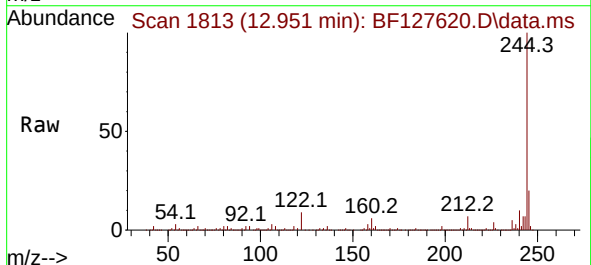
Instrument :
BNA_F
ClientSampleId :
MHF

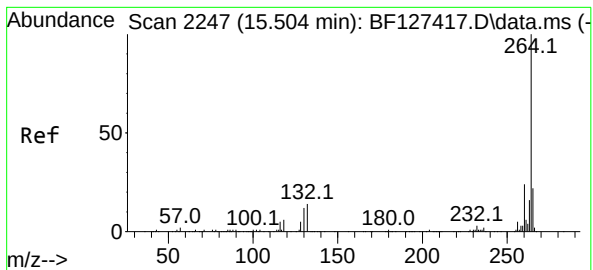
Tgt Ion:184 Resp: 19348
Ion Ratio Lower Upper
184 100
185 13.5 12.2 18.2
183 6.4 9.4 14.0#



#79
Terphenyl-d14
Concen: 97.800 ng
RT: 12.951 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF127620.D
Acq: 01 Apr 2022 19:03

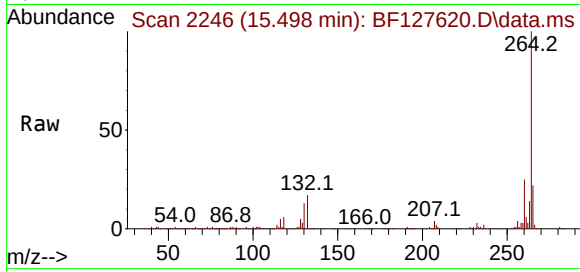
Tgt Ion:244 Resp: 1560299
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 9.5 6.2 9.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF127620.D
 Acq: 01 Apr 2022 19:03

Instrument :
 BNA_F
 ClientSampleId :
 MHF



Tgt Ion:264 Resp: 189816
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.1 28.7
 265 21.5 17.4 26.2

