

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032322\
 Data File : BF127488.D
 Acq On : 23 Mar 2022 18:51
 Operator : CG\JU
 Sample : N2063-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4-1-(10-10.5)

Quant Time: Mar 24 02:13:07 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)

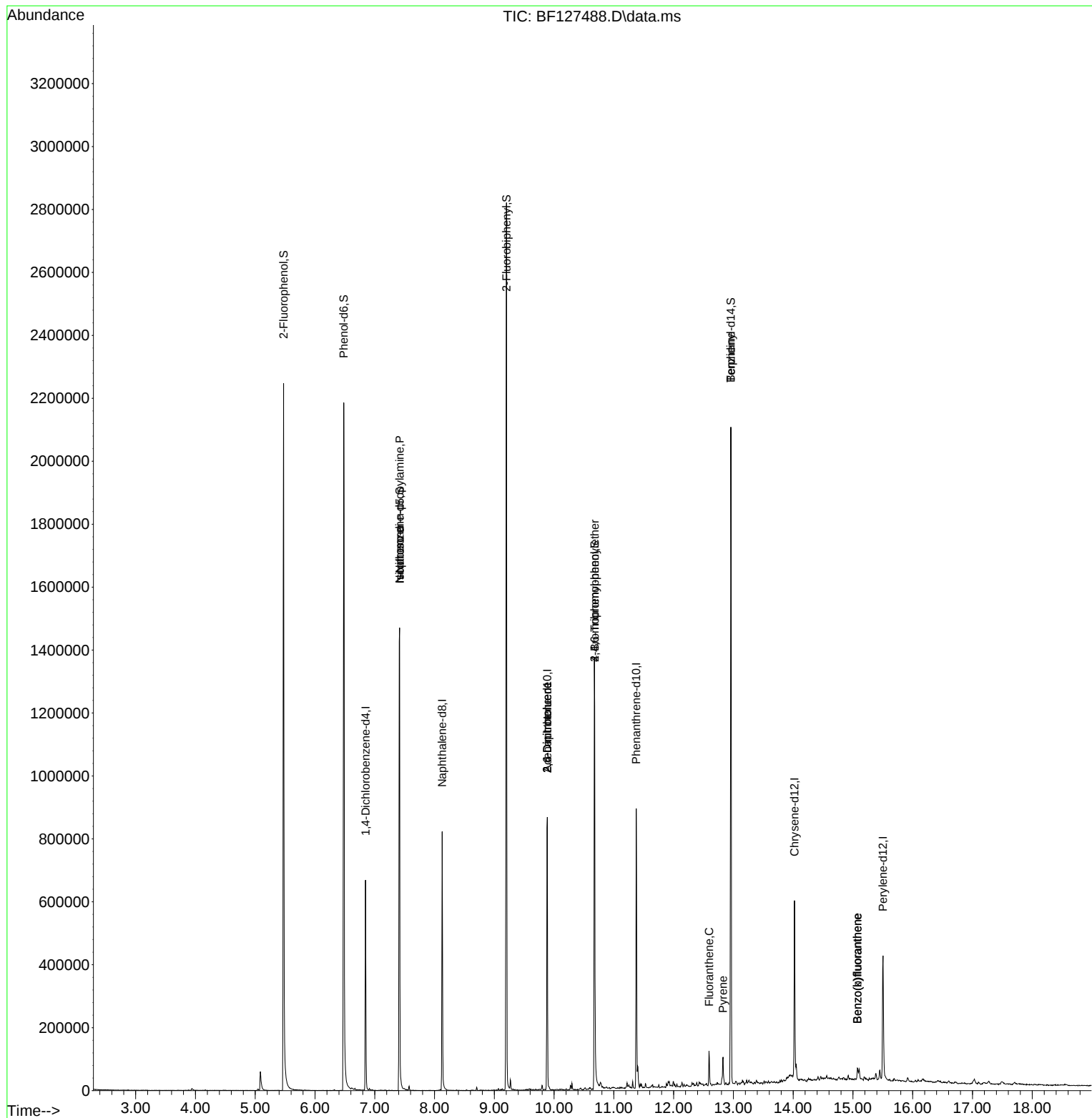
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	87825	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	316777	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	183203	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	307039	20.000	ng	0.00
76) Chrysene-d12	14.021	240	176763	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	186423	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	545157	99.082	ng	0.00
7) Phenol-d6	6.481	99	761842	101.297	ng	0.00
23) Nitrobenzene-d5	7.416	82	500617	67.553	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	167295	85.723	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	841647	67.084	ng	0.00
79) Terphenyl-d14	12.957	244	710658	65.815	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.481	77	1399	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.416	70	68019	15.088	ng	# 78
25) Isophorone	7.416	82	500612	42.413	ng	# 70
51) 2,6-Dinitrotoluene	9.886	165	23000	8.597	ng	# 17
55) Dibenzofuran	10.098	168	1226	Below Cal	#	75
57) 2,4-Dinitrotoluene	9.886	165	23000	6.679	ng	# 14
58) Fluorene	10.445	166	1408	Below Cal	#	89
67) 4-Bromophenyl-phenylether	10.680	248	11394	3.178	ng	# 1
75) Fluoranthene	12.592	202	42431	2.410	ng	95
77) Benzidine	12.957	184	8959	2.126	ng	# 93
78) Pyrene	12.827	202	38896	2.564	ng	97
88) Benzo(b)fluoranthene	15.074	252	29486	2.509	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	29486	2.420	ng	# 95

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

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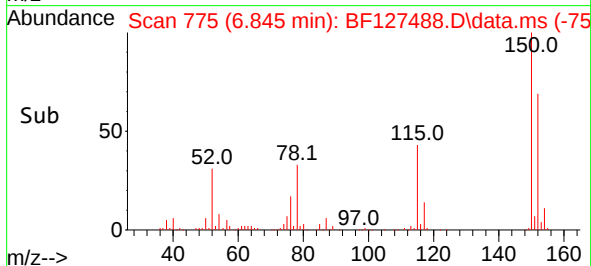
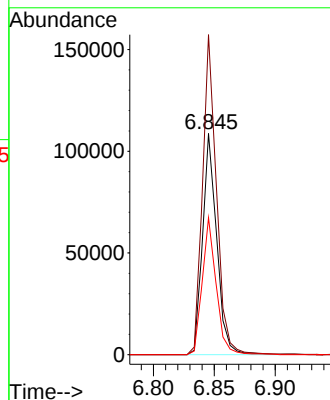
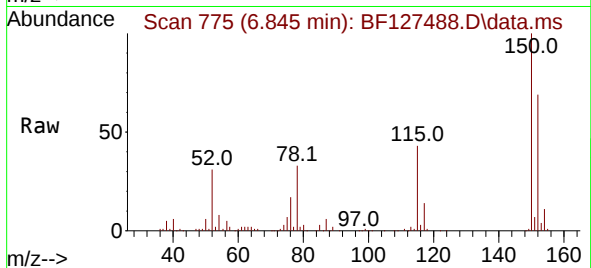




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

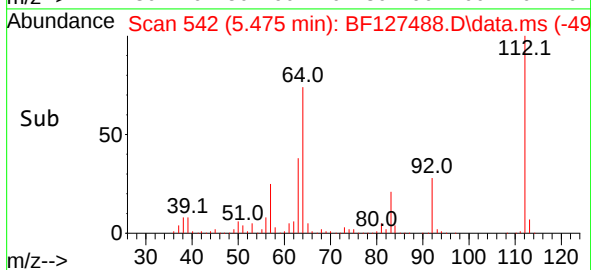
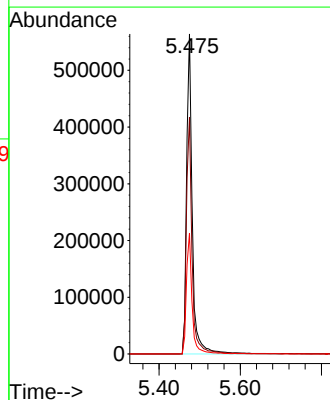
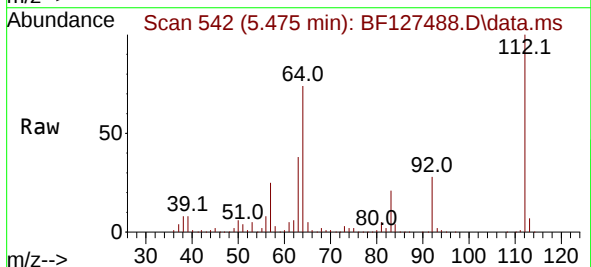
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

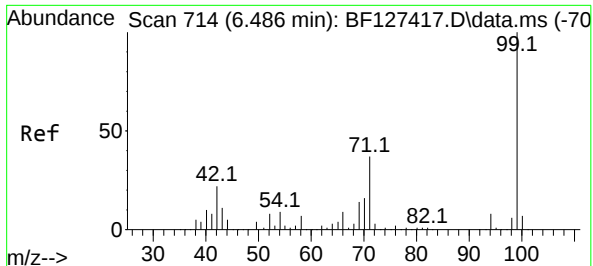
Tgt Ion:152 Resp: 87825
Ion Ratio Lower Upper
152 100
150 144.7 117.2 175.8
115 61.9 49.8 74.6



#5
2-Fluorophenol
Concen: 99.082 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:112 Resp: 545157
Ion Ratio Lower Upper
112 100
64 74.0 58.4 87.6
63 37.8 30.1 45.1

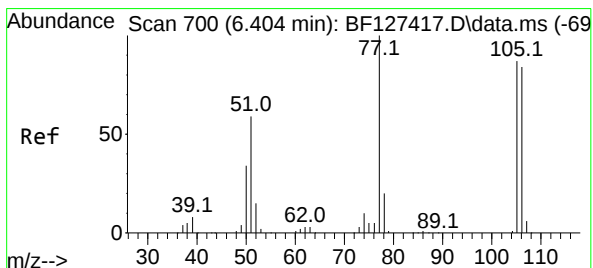
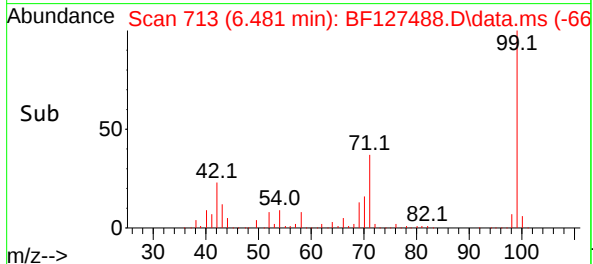
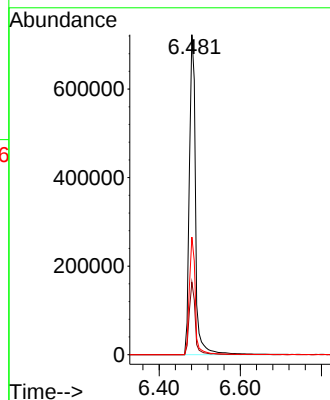
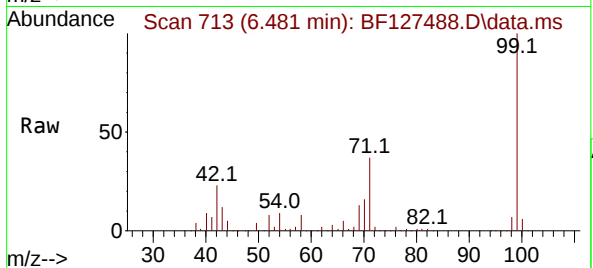




#7
Phenol-d6
Concen: 101.297 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

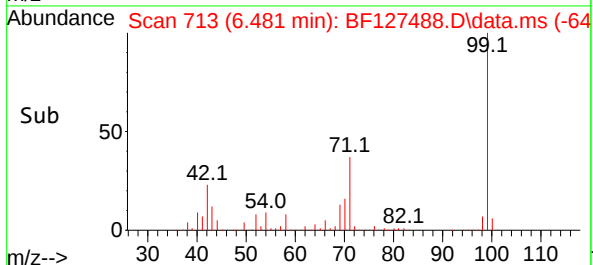
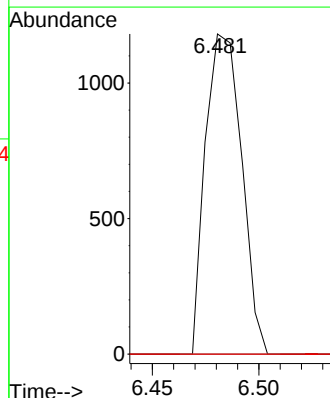
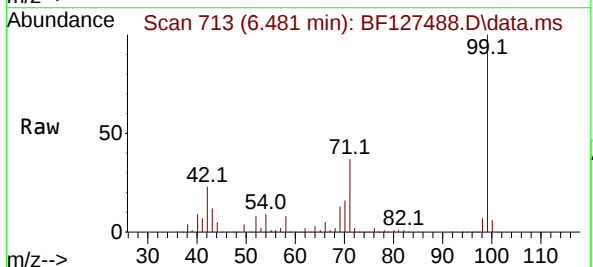
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

Tgt Ion: 99 Resp: 761842
Ion Ratio Lower Upper
99 100
42 22.7 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. 0.077 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion: 77 Resp: 1399
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: 15.088 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127488.D

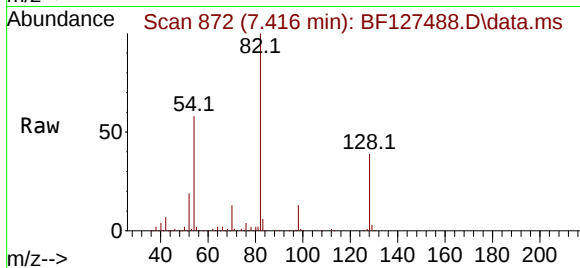
Acq: 23 Mar 2022 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4-1-(10-10.5)



Tgt Ion: 70 Resp: 68019

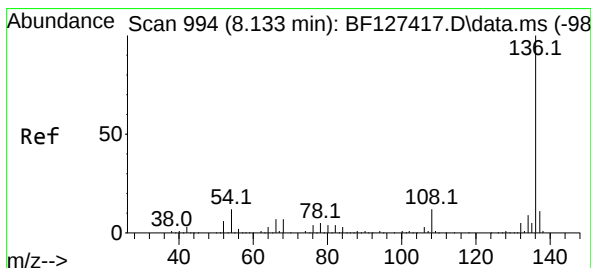
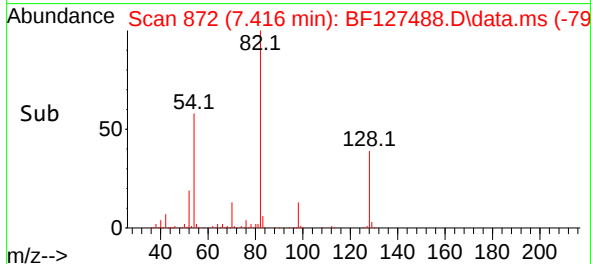
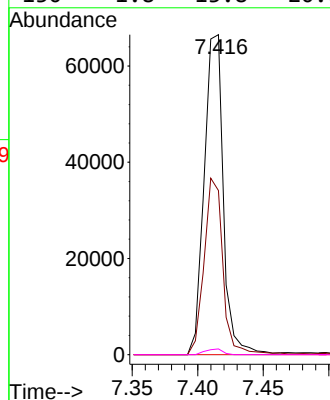
Ion Ratio Lower Upper

70 100

42 51.3 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: BF127488.D

Acq: 23 Mar 2022 18:51

Tgt Ion: 136 Resp: 316777

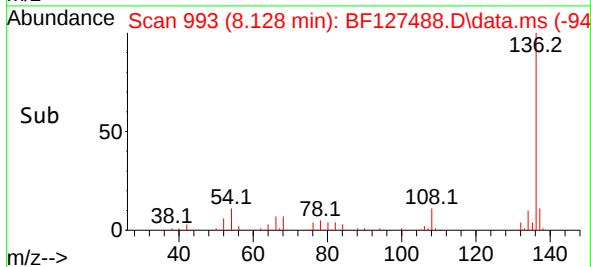
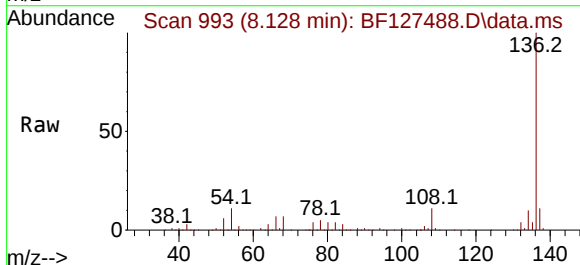
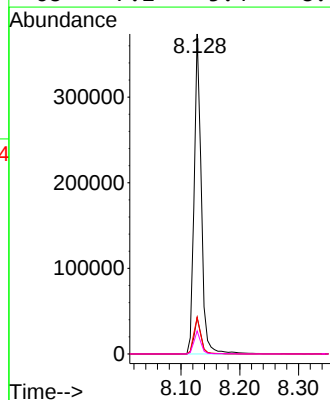
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 11.4 9.2 13.8

68 7.2 5.4 8.0

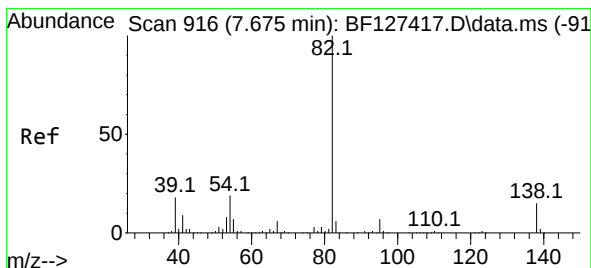
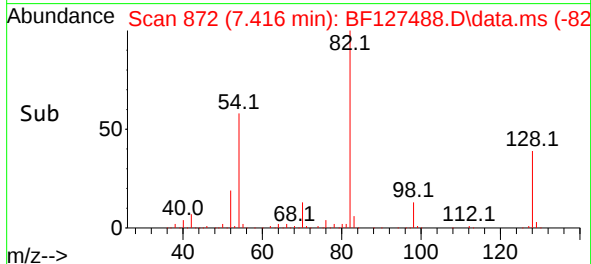
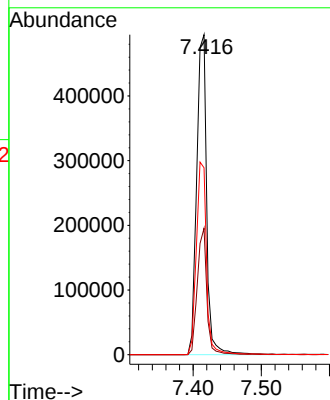
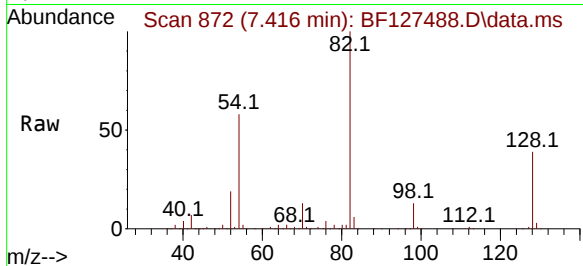




#23
Nitrobenzene-d5
Concen: 67.553 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

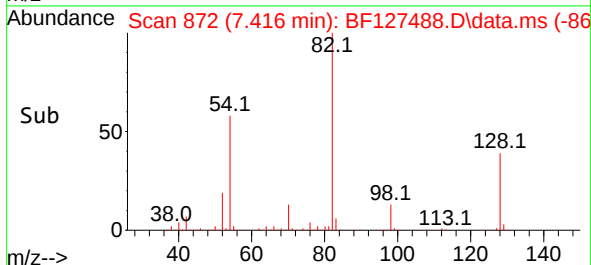
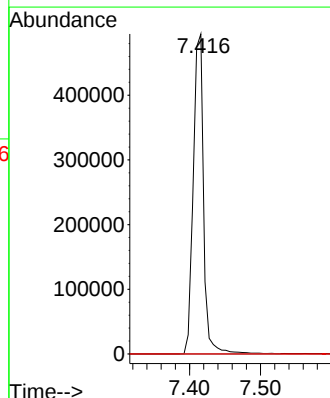
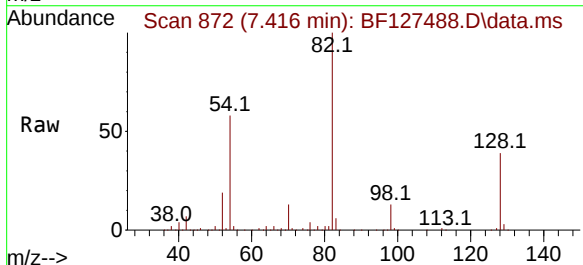
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

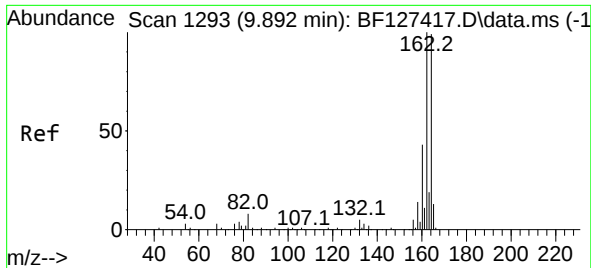
Tgt Ion: 82 Resp: 500617
Ion Ratio Lower Upper
82 100
128 39.5 30.6 45.8
54 58.4 48.2 72.2



#25
Isophorone
Concen: 42.413 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.259 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion: 82 Resp: 500612
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#

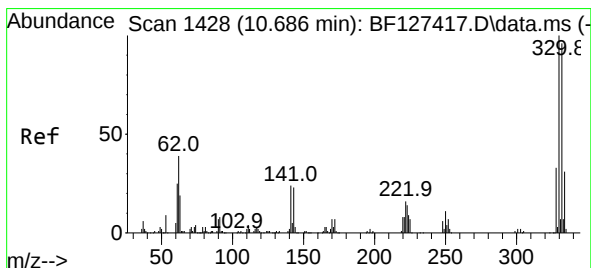
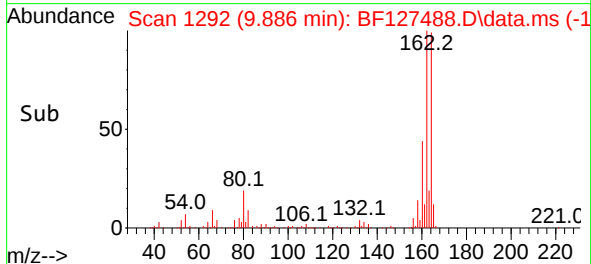
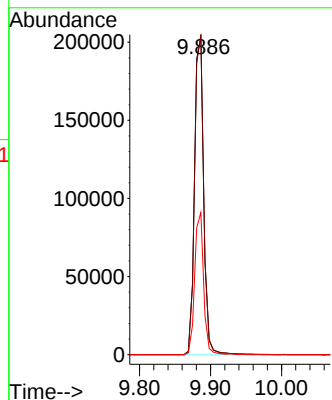
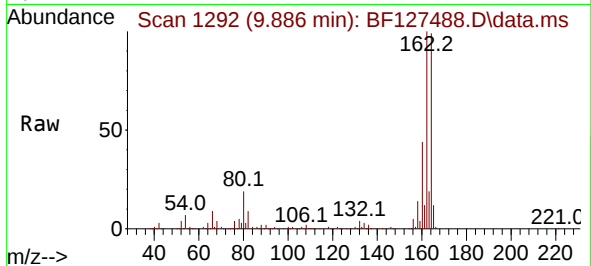




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

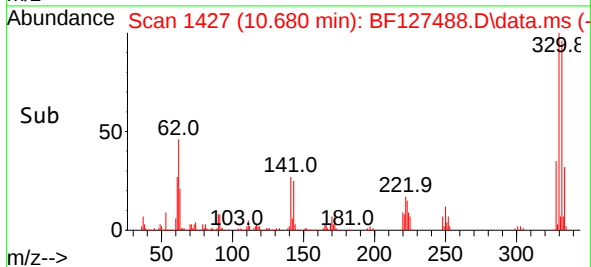
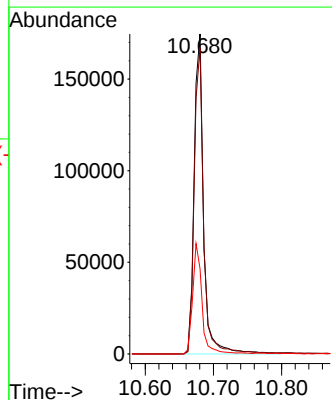
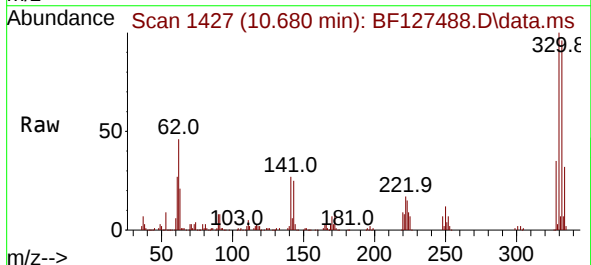
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

Tgt Ion:164 Resp: 183203
Ion Ratio Lower Upper
164 100
162 100.8 81.2 121.8
160 44.7 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 85.723 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:330 Resp: 167295
Ion Ratio Lower Upper
330 100
332 95.4 79.1 118.7
141 34.2 26.2 39.4

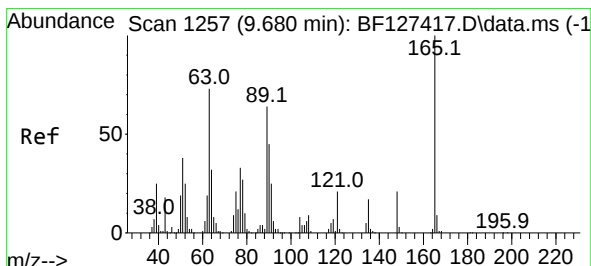
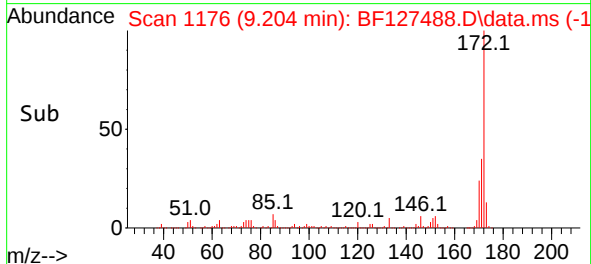
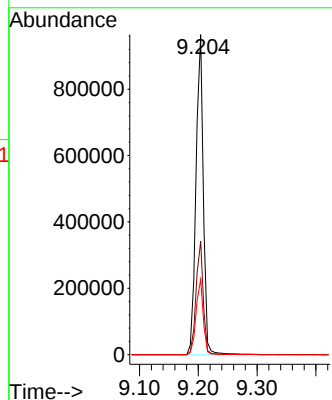
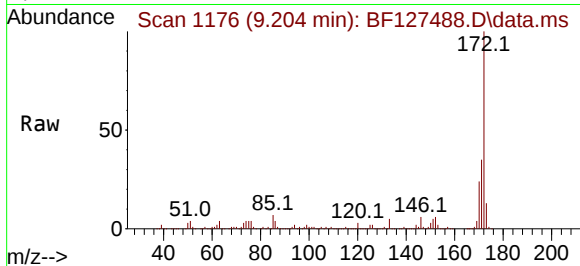




#45
2-Fluorobiphenyl
Concen: 67.084 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

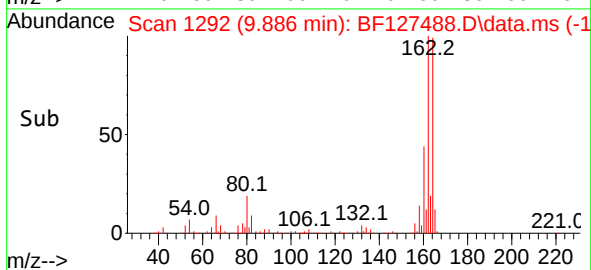
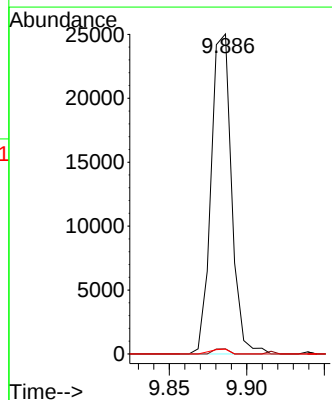
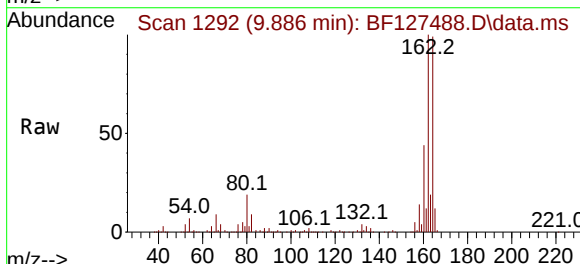
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

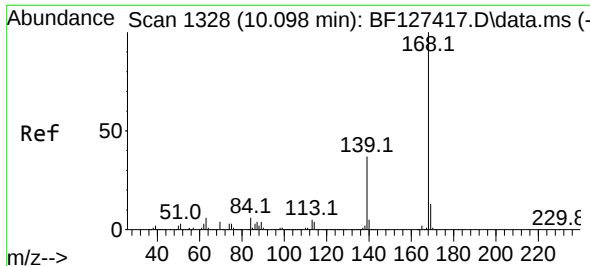
Tgt Ion:172 Resp: 841647
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.5 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.597 ng
RT: 9.886 min Scan# 1292
Delta R.T. 0.206 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:165 Resp: 23000
Ion Ratio Lower Upper
165 100
63 1.6 58.3 87.5#
89 1.5 51.5 77.3#

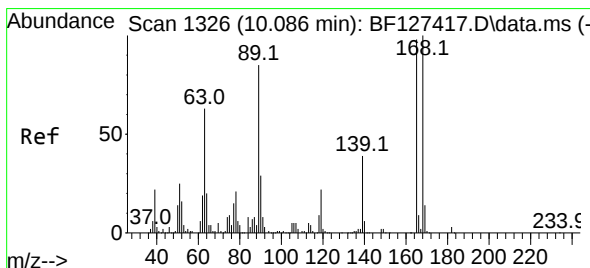
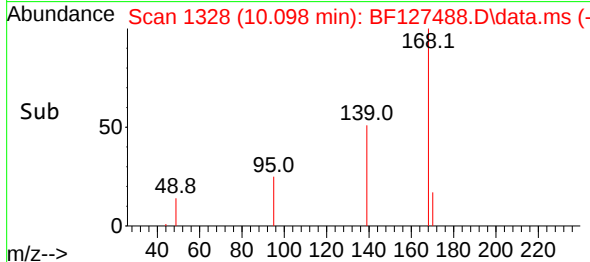
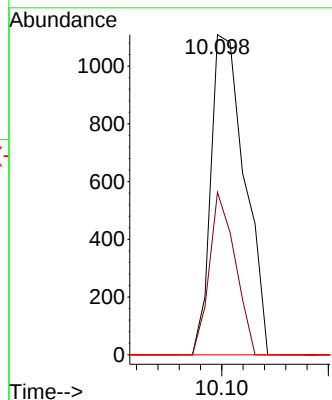
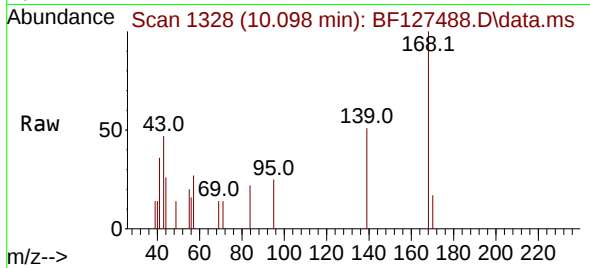




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

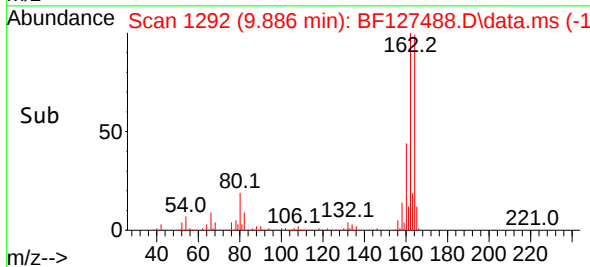
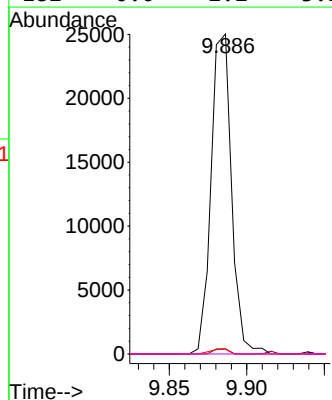
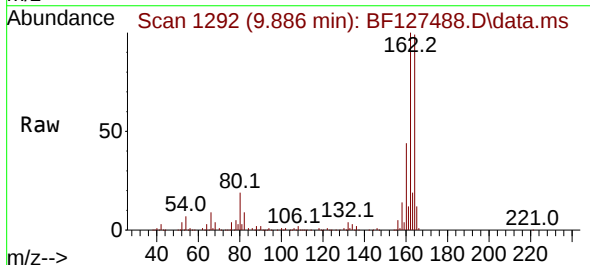
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

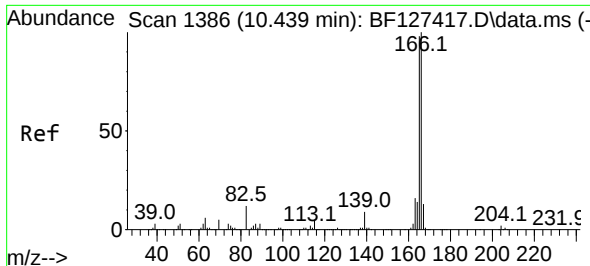
Tgt Ion:168 Resp: 1226
Ion Ratio Lower Upper
168 100
139 50.8 30.3 45.5#
169 0.0 10.8 16.2#



#57
2,4-Dinitrotoluene
Concen: 6.679 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.200 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:165 Resp: 23000
Ion Ratio Lower Upper
165 100
63 1.6 53.1 79.7#
89 1.5 69.2 103.8#
182 0.0 2.2 3.2#

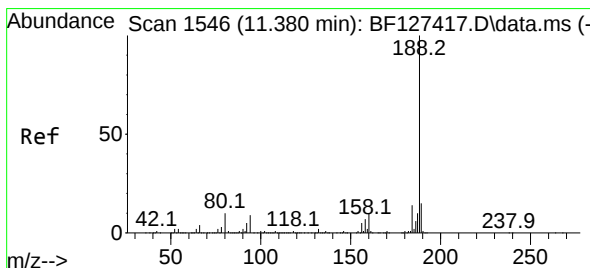
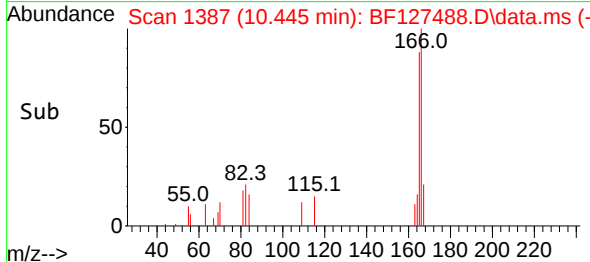
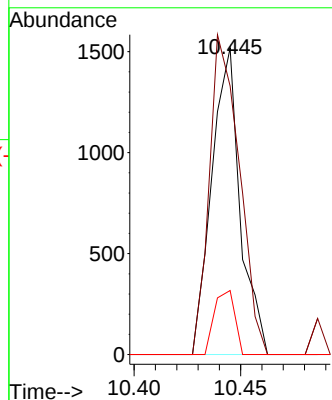
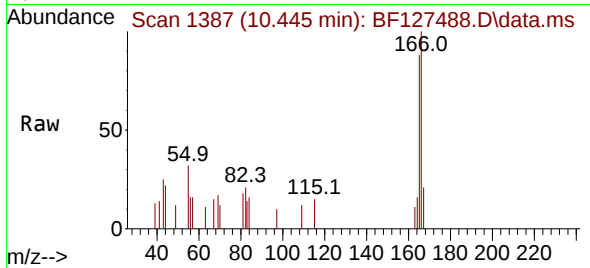




#58
Fluorene
Concen: Below Cal
RT: 10.445 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

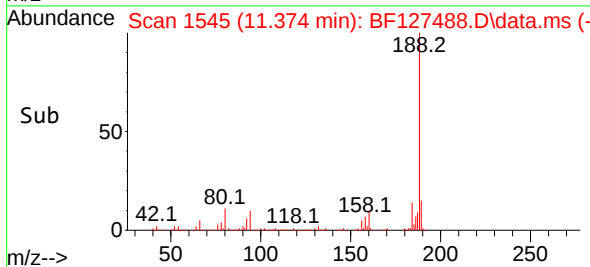
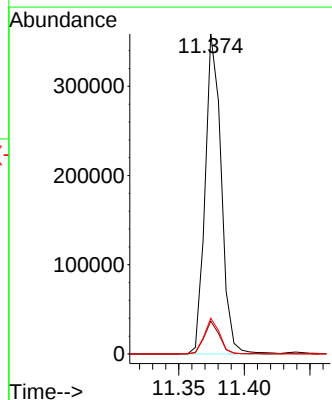
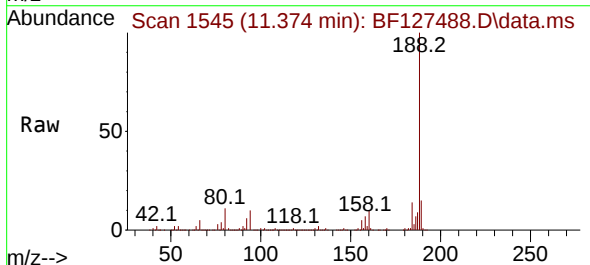
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

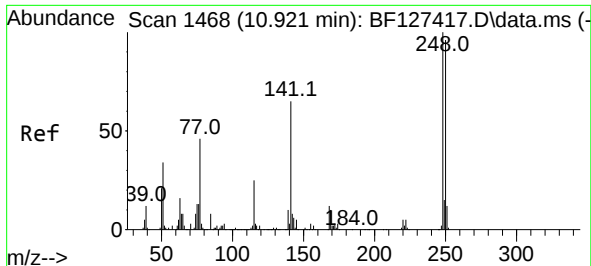
Tgt Ion:166 Resp: 1408
Ion Ratio Lower Upper
166 100
165 87.6 78.1 117.1
167 20.9 10.5 15.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:188 Resp: 307039
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.0
80 11.1 8.0 12.0

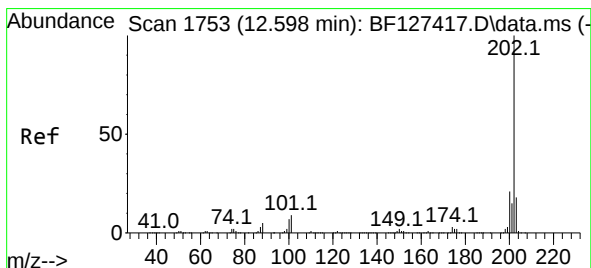
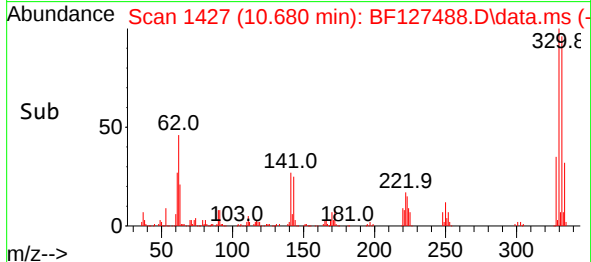
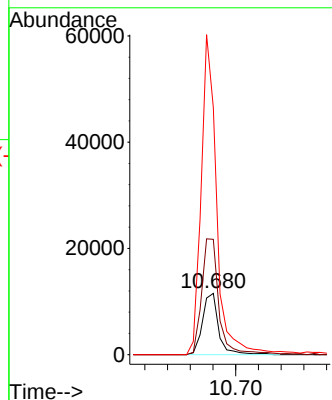
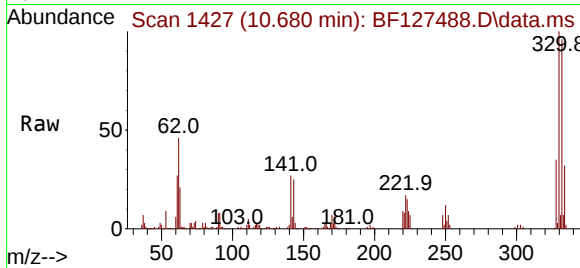




#67
4-Bromophenyl-phenylether
Concen: 3.178 ng
RT: 10.680 min Scan# 1468
Delta R.T. -0.241 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

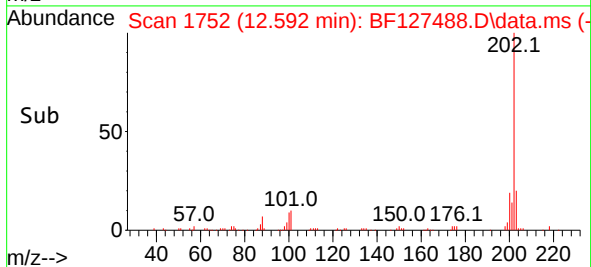
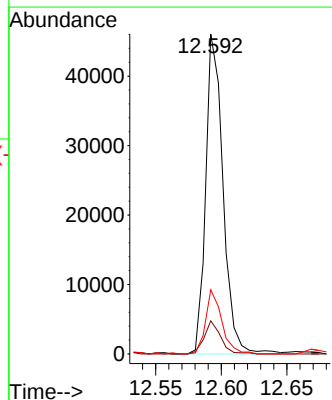
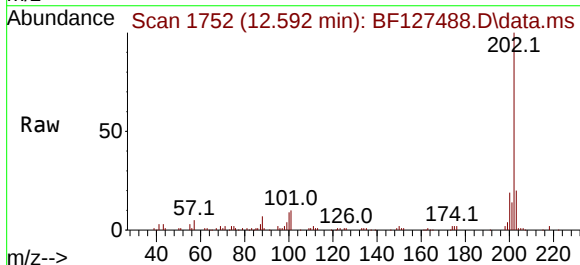
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

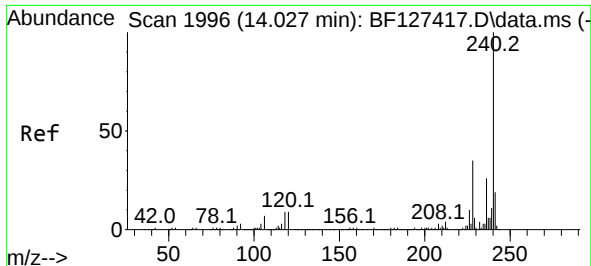
Tgt Ion:248 Resp: 11394
Ion Ratio Lower Upper
248 100
250 188.1 76.6 115.0#
141 403.2 52.2 78.2#



#75
Fluoranthene
Concen: 2.410 ng
RT: 12.592 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:202 Resp: 42431
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.0
203 20.1 0.0 37.7

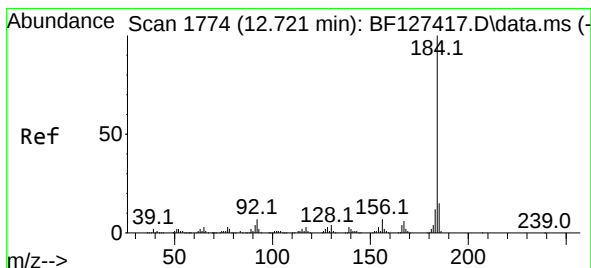
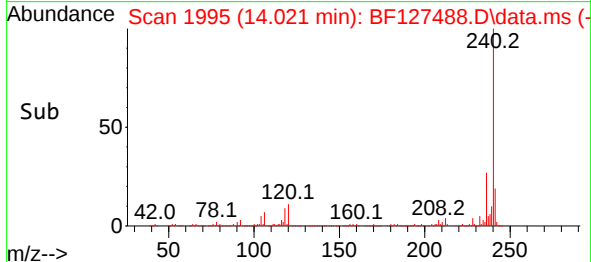
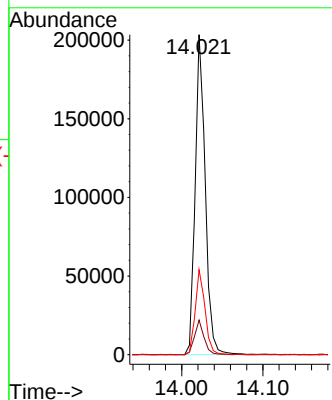
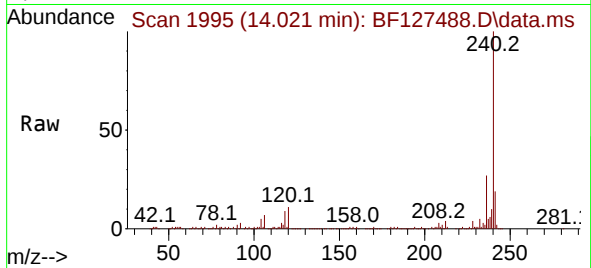




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

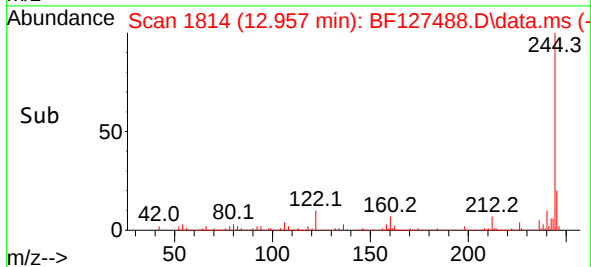
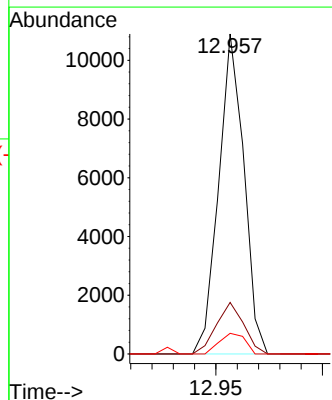
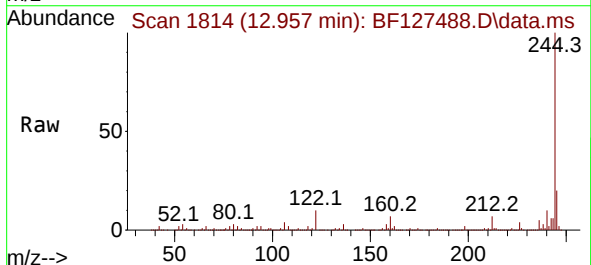
Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

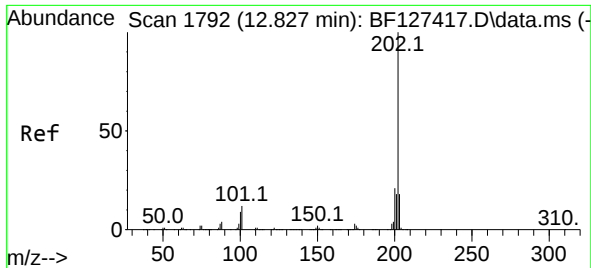
Tgt Ion:240 Resp: 176763
Ion Ratio Lower Upper
240 100
120 10.8 7.1 10.7#
236 26.5 20.7 31.1



#77
Benzidine
Concen: 2.126 ng
RT: 12.957 min Scan# 1814
Delta R.T. 0.235 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Tgt Ion:184 Resp: 8959
Ion Ratio Lower Upper
184 100
185 16.1 12.2 18.2
183 6.4 9.4 14.0#

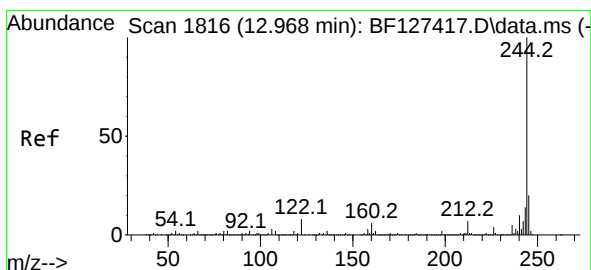
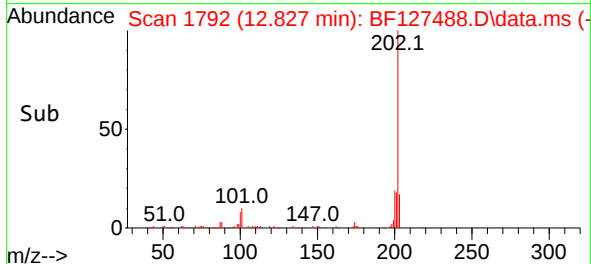
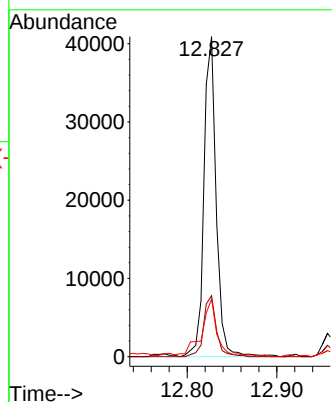
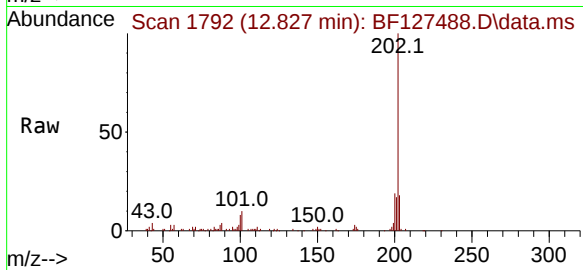




#78
 Pyrene
 Concen: 2.564 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF127488.D
 Acq: 23 Mar 2022 18:51

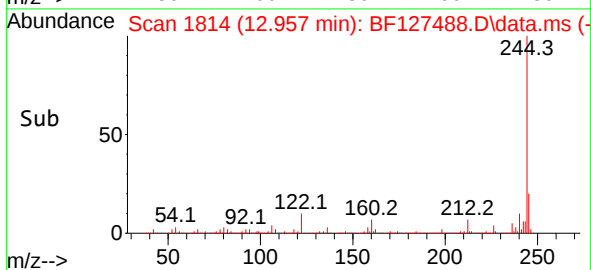
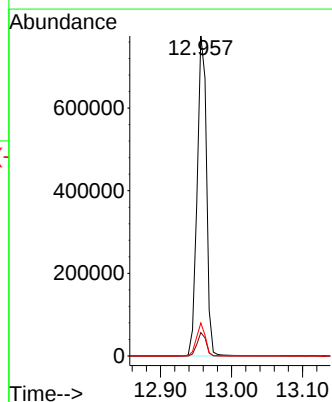
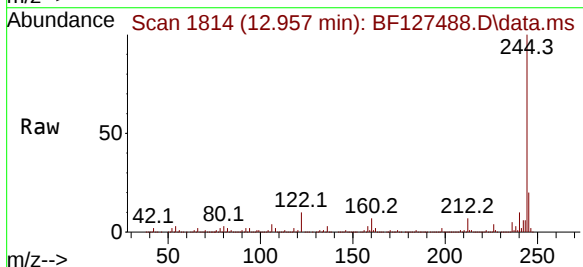
Instrument :
 BNA_F
 ClientSampleId :
 WC-4-1-(10-10.5)

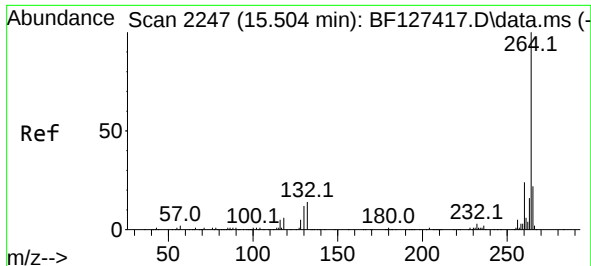
Tgt Ion:202 Resp: 38896
 Ion Ratio Lower Upper
 202 100
 200 19.0 17.1 25.7
 203 18.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 65.815 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF127488.D
 Acq: 23 Mar 2022 18:51

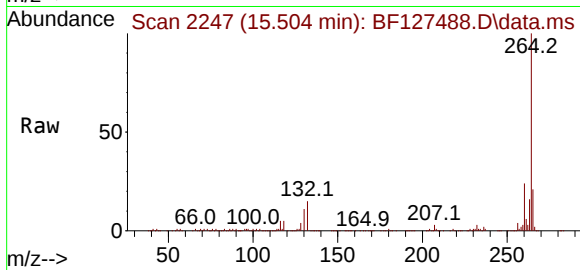
Tgt Ion:244 Resp: 710658
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 10.3 6.2 9.2#





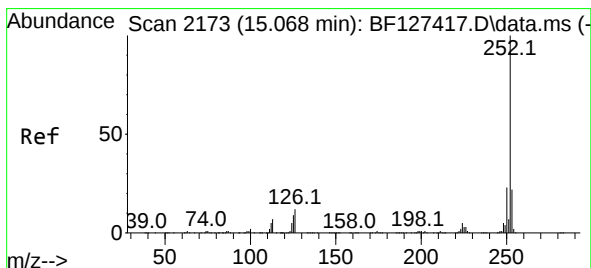
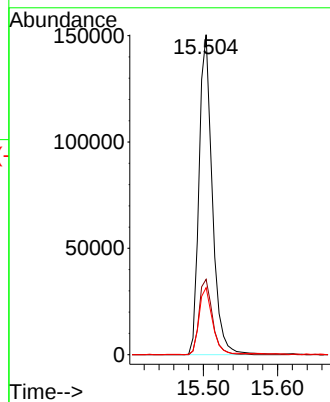
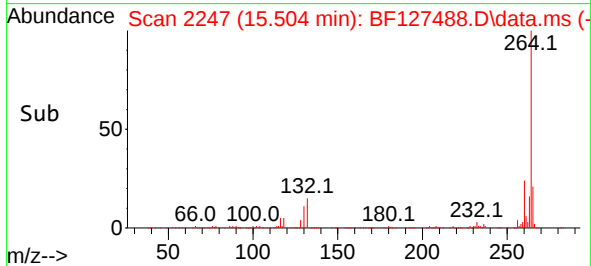
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51

Instrument :
BNA_F
ClientSampleId :
WC-4-1-(10-10.5)

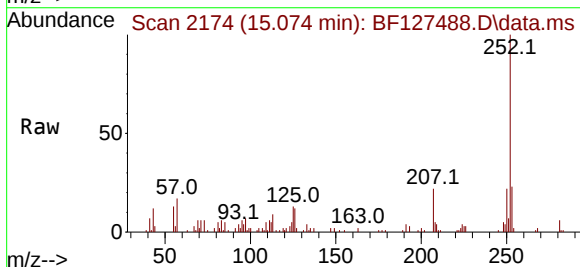


Tgt Ion:264 Resp: 186423

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.0	17.4	26.2

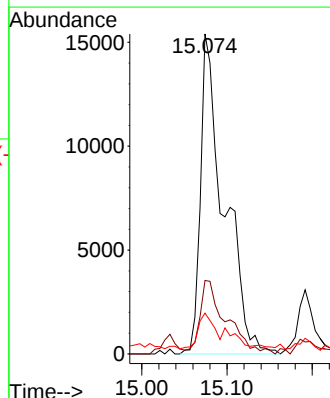
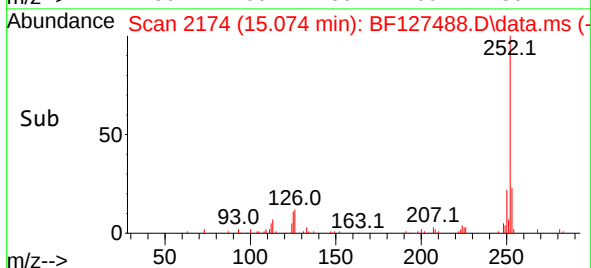


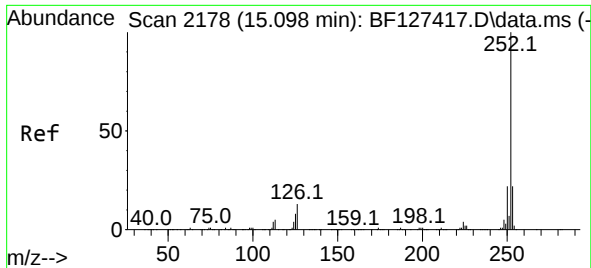
#88
Benzo(b)fluoranthene
Concen: 2.509 ng
RT: 15.074 min Scan# 2174
Delta R.T. 0.006 min
Lab File: BF127488.D
Acq: 23 Mar 2022 18:51



Tgt Ion:252 Resp: 29486

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.7	7.0	10.4





#89

Benzo(k)fluoranthene

Concen: 2.420 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF127488.D

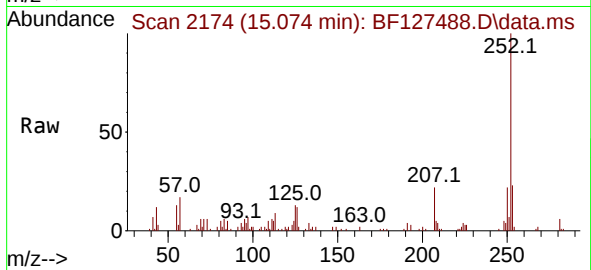
Acq: 23 Mar 2022 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4-1-(10-10.5)



Tgt Ion:252 Resp: 29486

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 12.7 6.9 10.3#

