

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134716.D
 Acq On : 10 Aug 2023 18:59
 Operator : CG\JU
 Sample : 03954-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-17

Quant Time: Aug 11 03:56:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

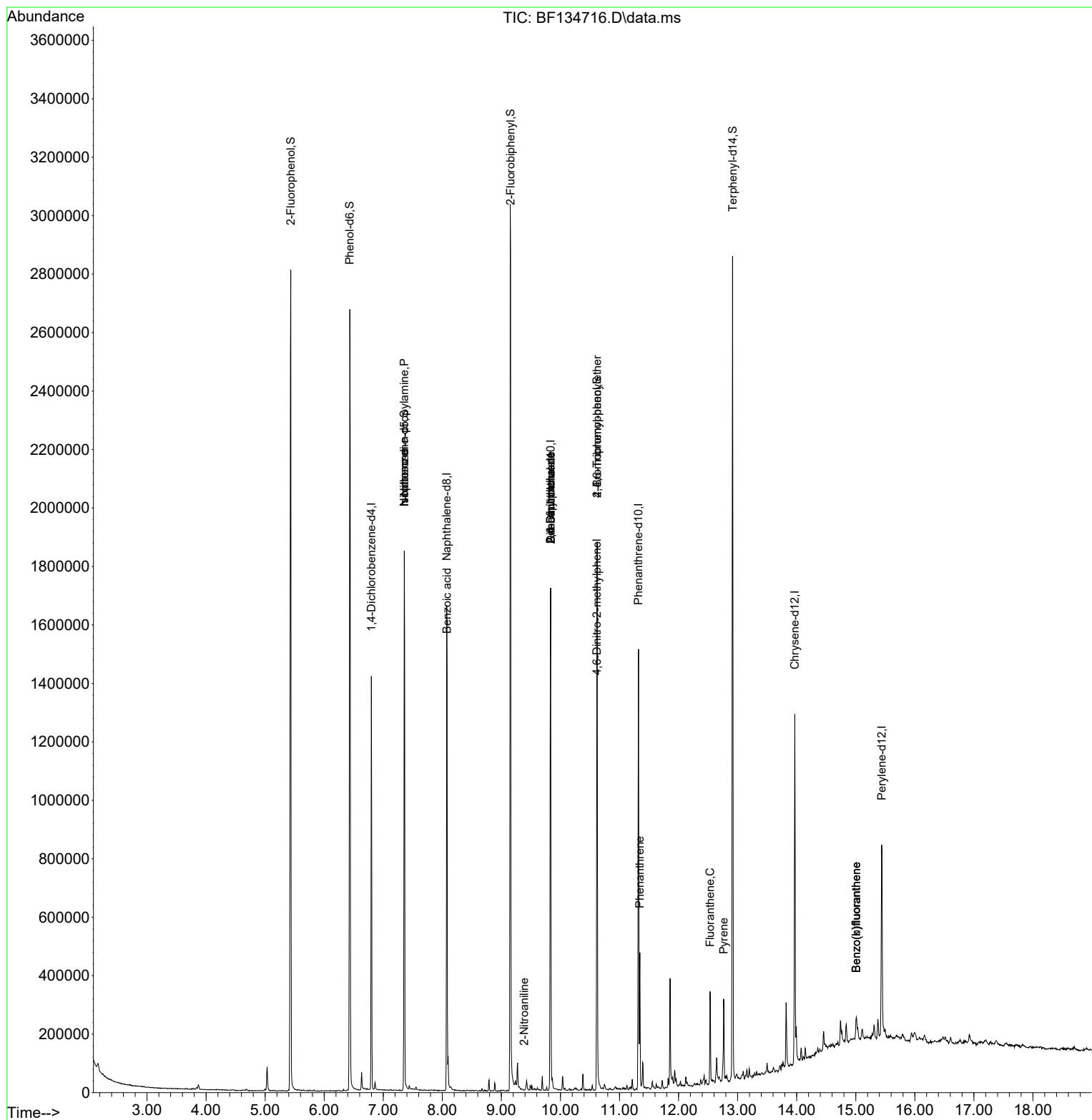
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	187900	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	716779	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	339209	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	539790	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	368927	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	329311	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	782044	63.267	ng	0.00
7) Phenol-d6	6.434	99	985355	62.360	ng	0.00
23) Nitrobenzene-d5	7.357	82	570951	49.779	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	226977	65.640	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1047562	51.348	ng	0.00
79) Terphenyl-d14	12.916	244	951973	45.489	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	431	Below Cal		96
19) n-Nitroso-di-n-propyla...	7.357	70	76883	8.127 ng	#	74
25) Isophorone	7.357	82	569021	22.746 ng	#	65
32) Benzoic acid	8.081	122	269	7.898 ng	#	1
48) 2-Nitroaniline	9.386	65	55	3.174 ng	#	8
50) Dimethylphthalate	9.833	163	69150	2.991 ng	#	1
51) 2,6-Dinitrotoluene	9.833	165	43801	11.261 ng	#	17
57) 2,4-Dinitrotoluene	9.833	165	43937	10.074 ng	#	17
65) 4,6-Dinitro-2-methylph...	10.616	198	455	8.870 ng	#	1
67) 4-Bromophenyl-phenylether	10.622	248	14538	2.460 ng	#	1
71) Phenanthrene	11.345	178	154006	5.371 ng		98
75) Fluoranthene	12.533	202	128976	4.259 ng		96
78) Pyrene	12.763	202	112018	3.509 ng		99
88) Benzo(b)fluoranthene	15.010	252	59676	2.971 ng	#	92
89) Benzo(k)fluoranthene	15.010	252	59676	2.983 ng	#	94

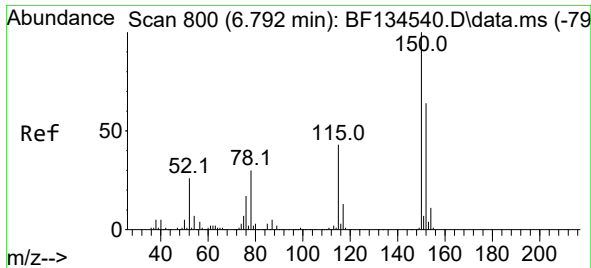
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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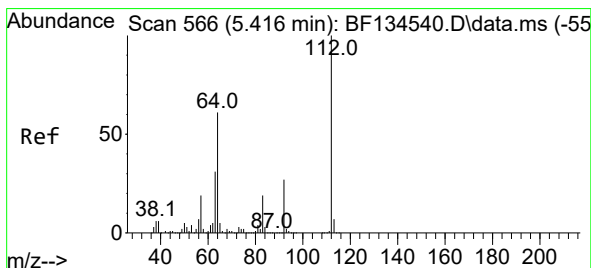
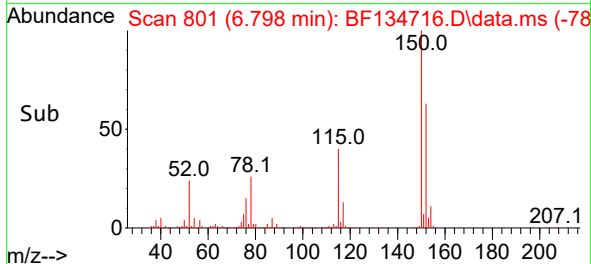
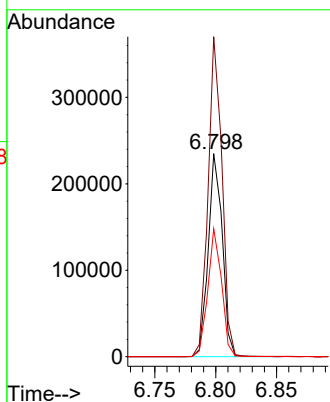
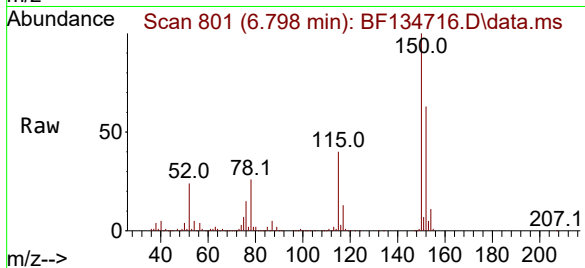




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

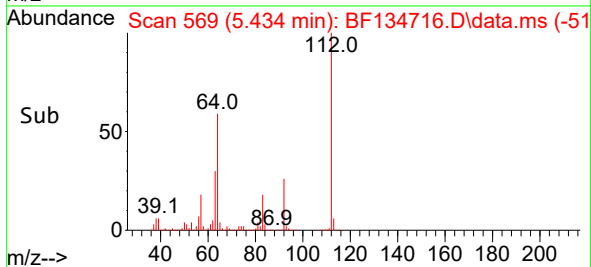
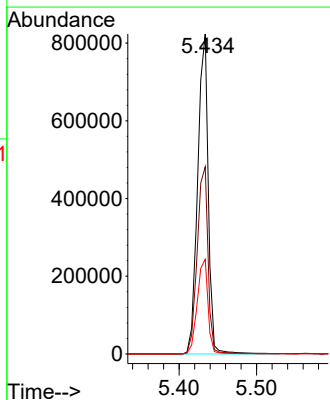
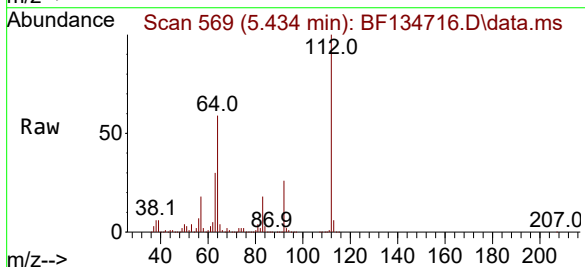
Instrument :
BNA_F
ClientSampleId :
WC-17

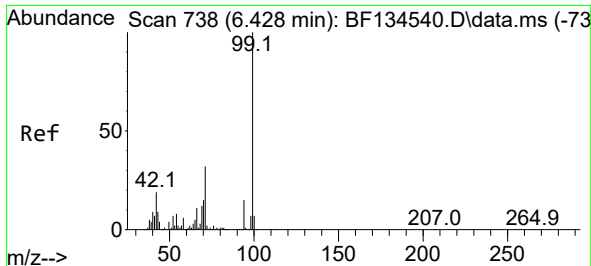
Tgt Ion:152 Resp: 187900
Ion Ratio Lower Upper
152 100
150 157.5 128.3 192.5
115 62.9 52.4 78.6



#5
2-Fluorophenol
Concen: 63.267 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion:112 Resp: 782044
Ion Ratio Lower Upper
112 100
64 58.5 44.9 67.3
63 29.6 25.4 38.0

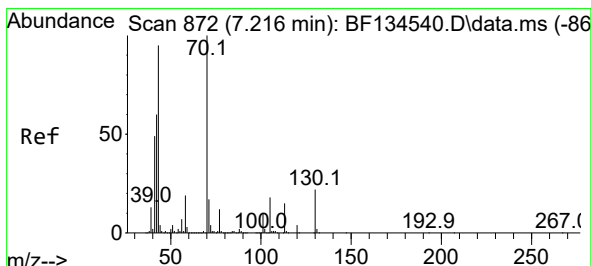
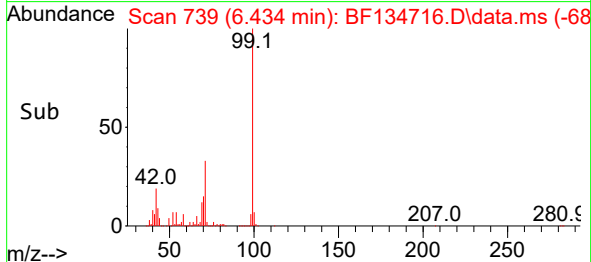
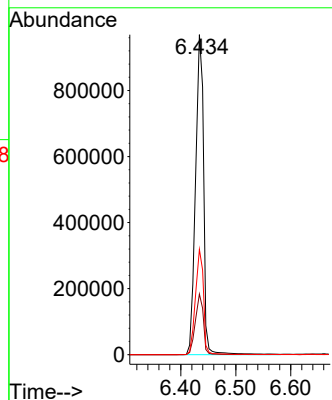
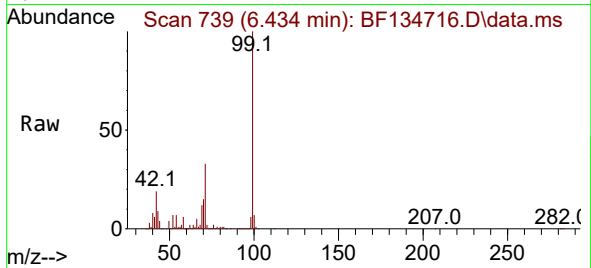




#7
Phenol-d6
Concen: 62.360 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

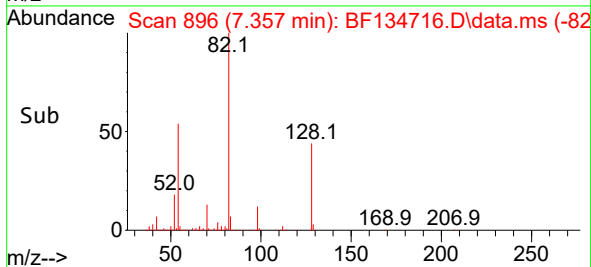
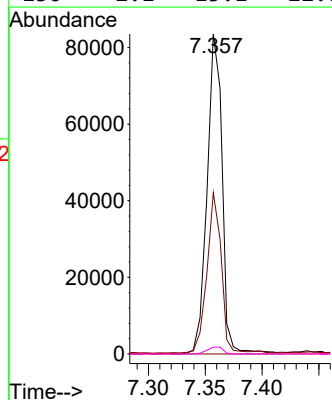
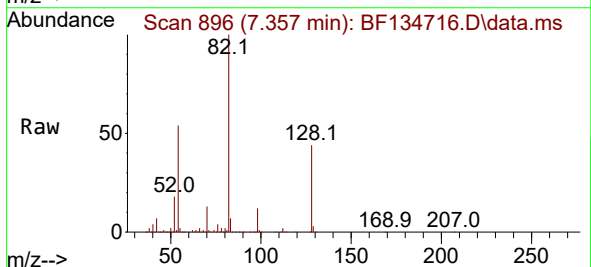
Instrument :
BNA_F
ClientSampleId :
WC-17

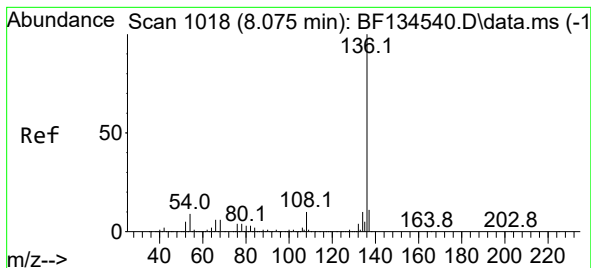
Tgt Ion: 99 Resp: 985355
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 32.9 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.127 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion: 70 Resp: 76883
Ion Ratio Lower Upper
70 100
42 50.4 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

Instrument :

BNA_F

ClientSampleId :

WC-17

Tgt Ion:136 Resp: 716779

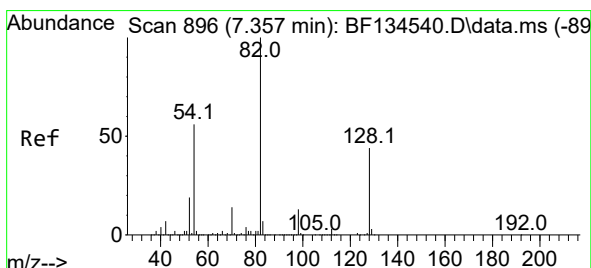
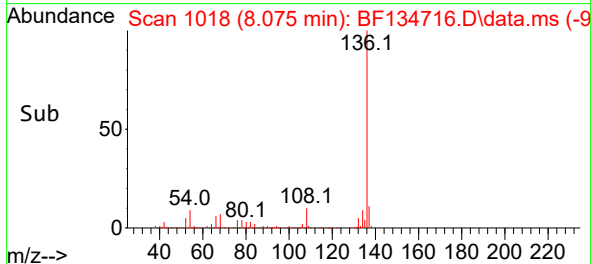
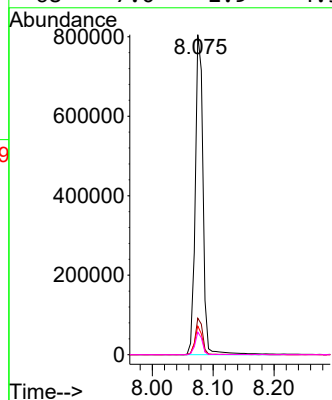
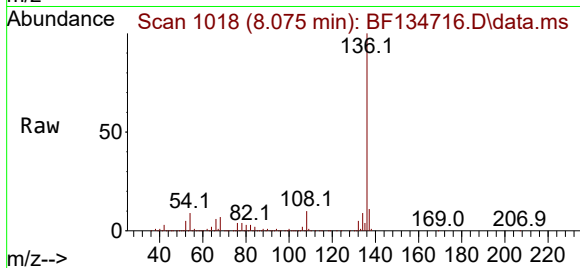
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 8.9 5.2 7.8#

68 7.0 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 49.779 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

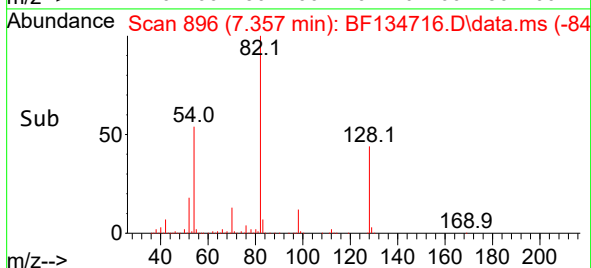
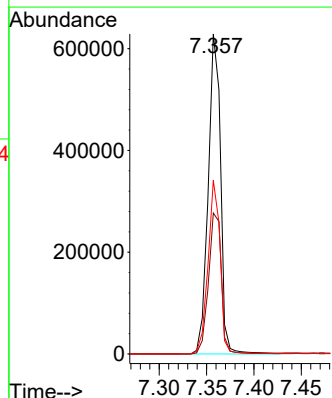
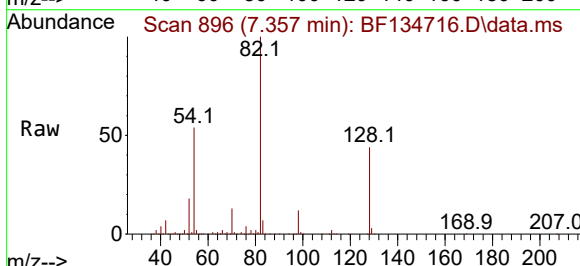
Tgt Ion: 82 Resp: 570951

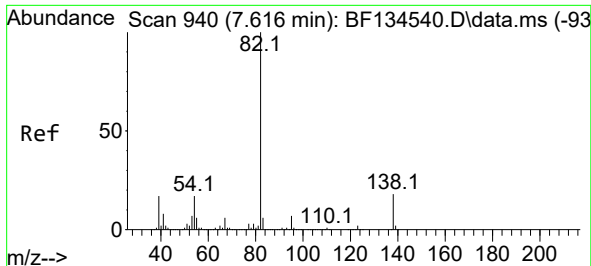
Ion Ratio Lower Upper

82 100

128 44.1 34.3 51.5

54 54.2 43.8 65.6

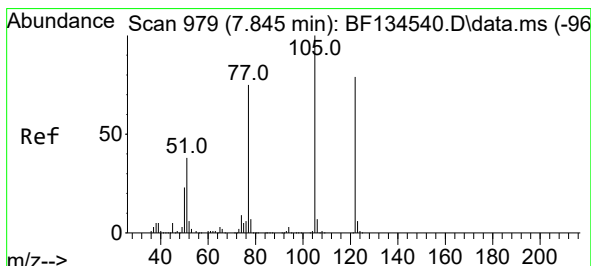
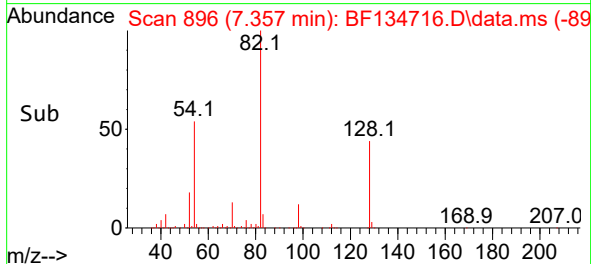
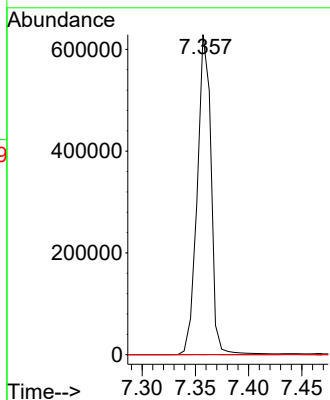
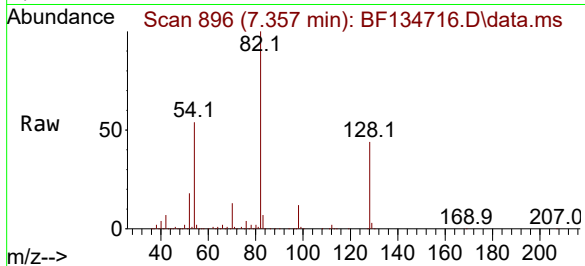




#25
Isophorone
Concen: 22.746 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

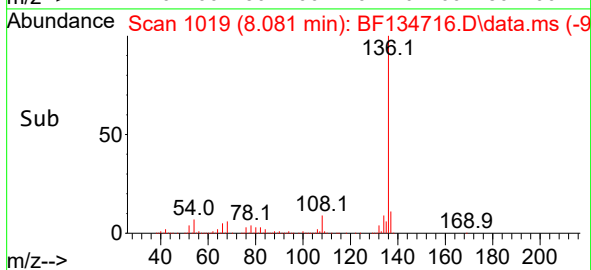
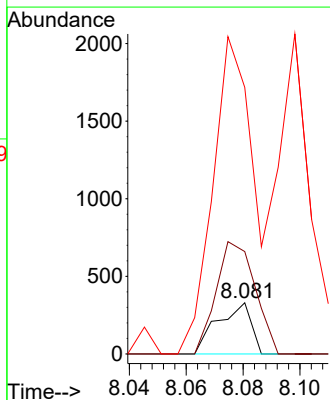
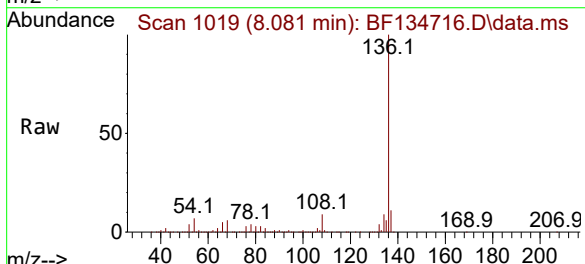
Instrument :
BNA_F
ClientSampleId :
WC-17

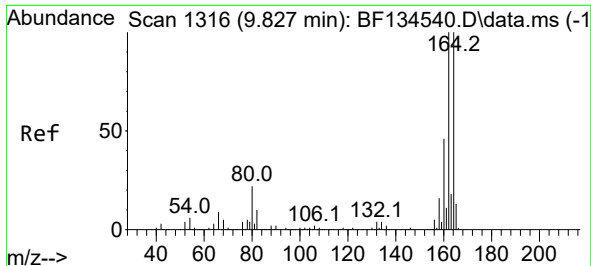
Tgt Ion: 82 Resp: 569021
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.898 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.218 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion: 122 Resp: 269
Ion Ratio Lower Upper
122 100
105 200.0 87.5 127.5#
77 520.6 71.4 111.4#

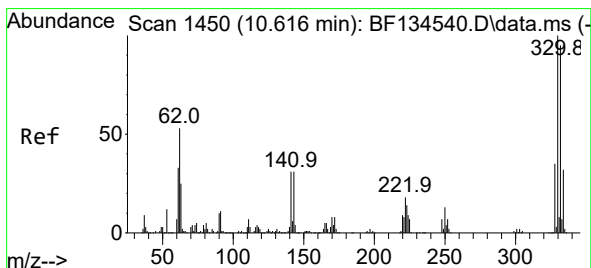
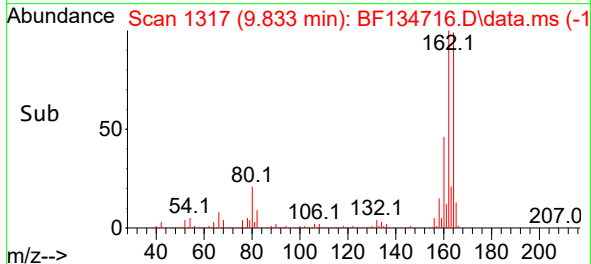
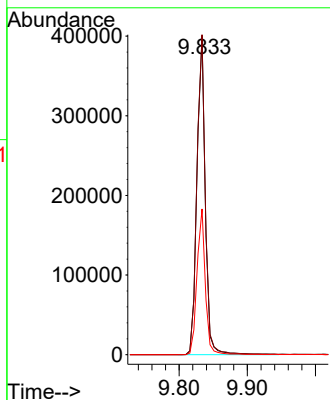
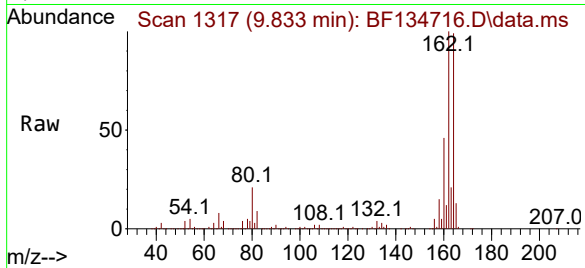




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

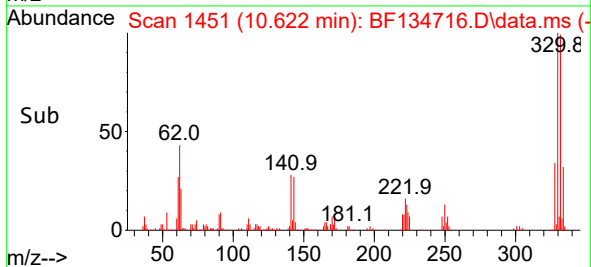
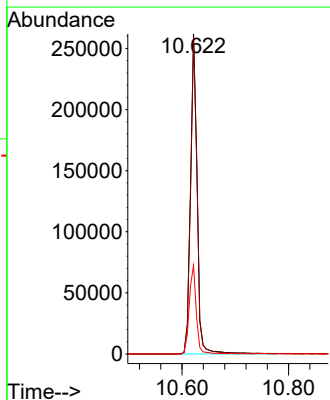
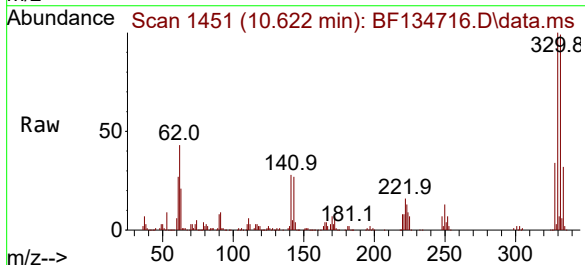
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BNA_F
ClientSampleId :
WC-17

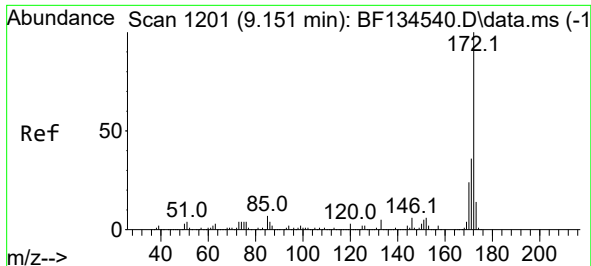
Tgt Ion:164 Resp: 339209
Ion Ratio Lower Upper
164 100
162 100.6 82.6 123.8
160 45.9 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 65.640 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion:330 Resp: 226977
Ion Ratio Lower Upper
330 100
332 97.0 78.8 118.2
141 29.2 25.4 38.2

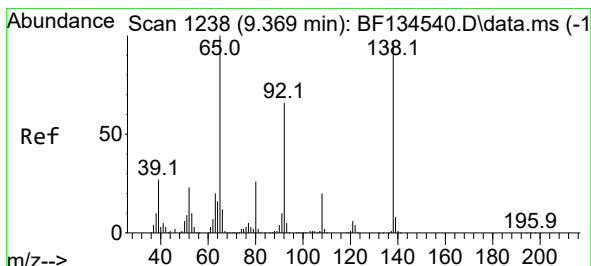
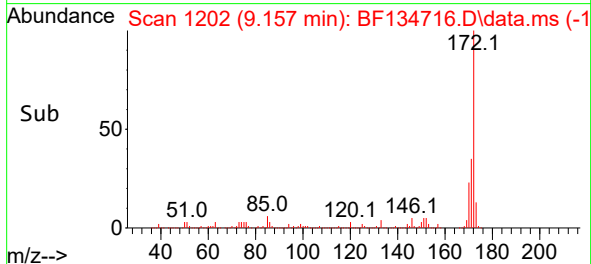
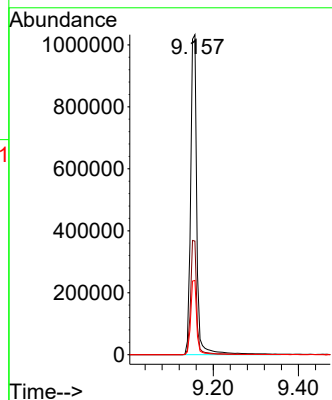
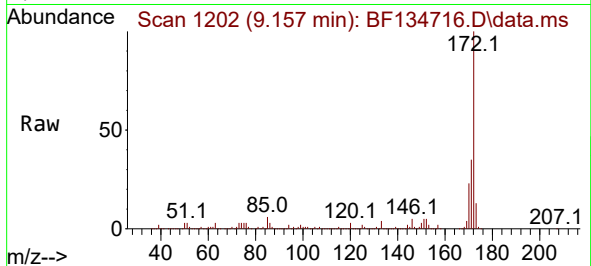




#45
2-Fluorobiphenyl
Concen: 51.348 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

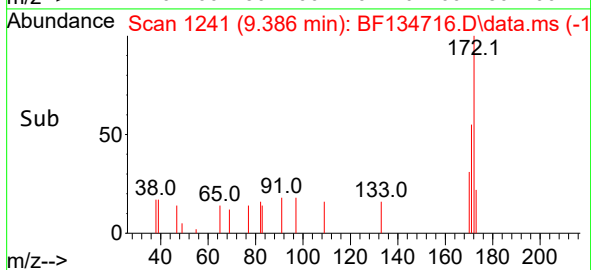
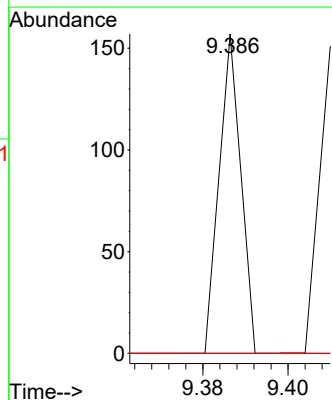
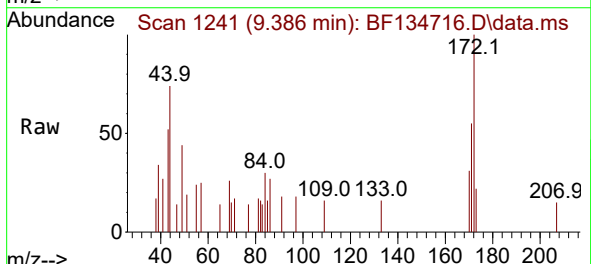
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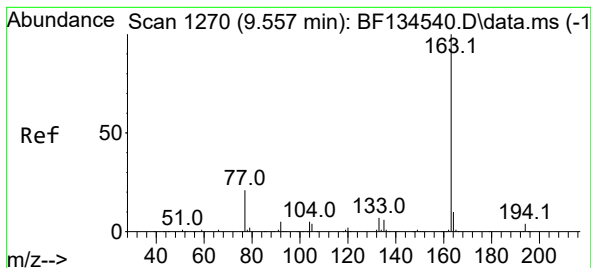
Tgt Ion:172 Resp: 1047562
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.2 18.7 28.1



#48
2-Nitroaniline
Concen: 3.174 ng
RT: 9.386 min Scan# 1241
Delta R.T. 0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 50.7 76.1#
138 0.0 78.2 117.4#





#50

Dimethylphthalate

Concen: 2.991 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

Instrument :

BNA_F

ClientSampleId :

WC-17

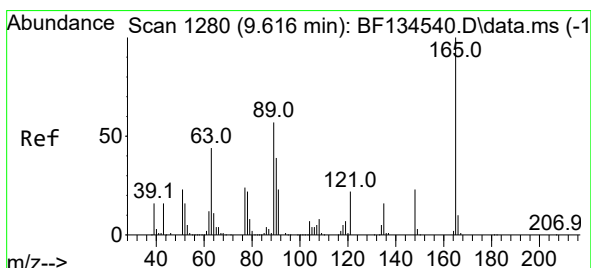
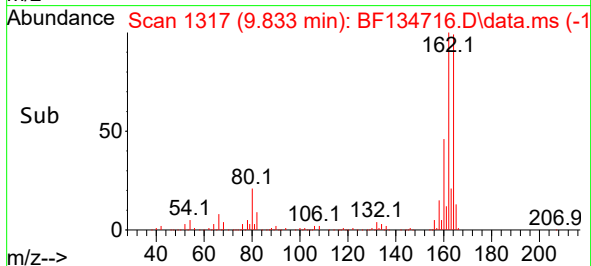
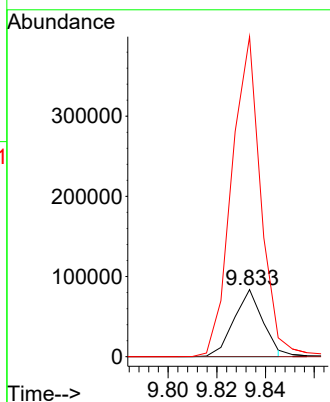
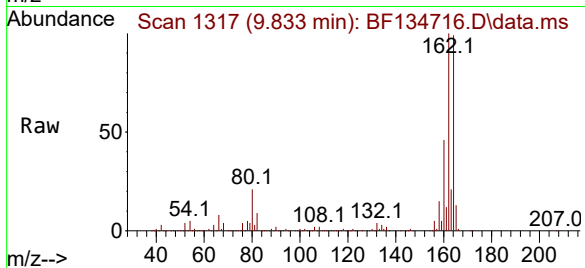
Tgt Ion:163 Resp: 69150

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 476.9 7.5 11.3#



#51

2,6-Dinitrotoluene

Concen: 11.261 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

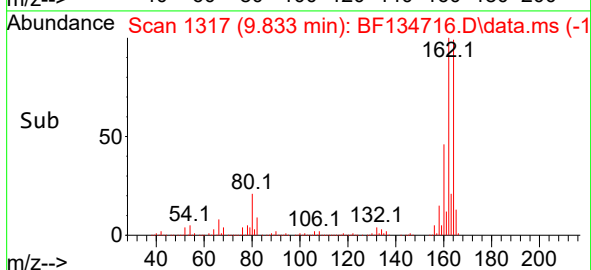
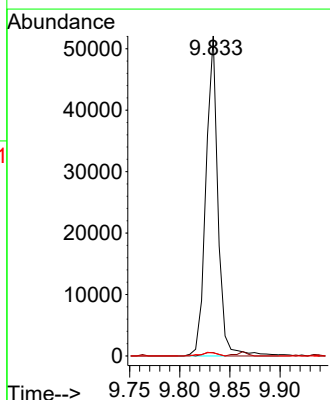
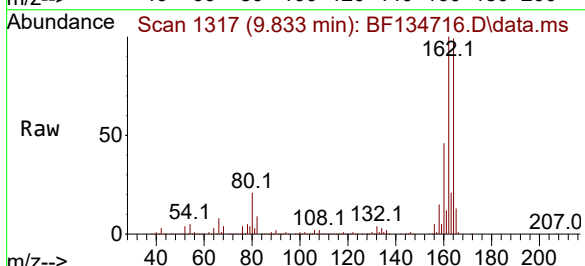
Tgt Ion:165 Resp: 43801

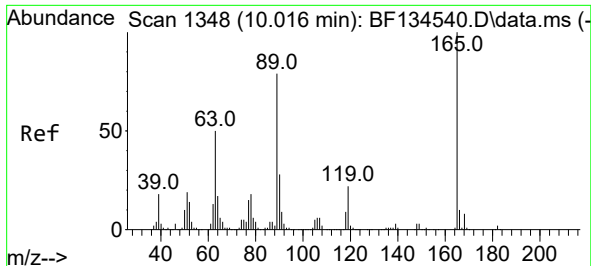
Ion Ratio Lower Upper

165 100

63 1.1 57.8 86.6#

89 0.9 51.8 77.8#

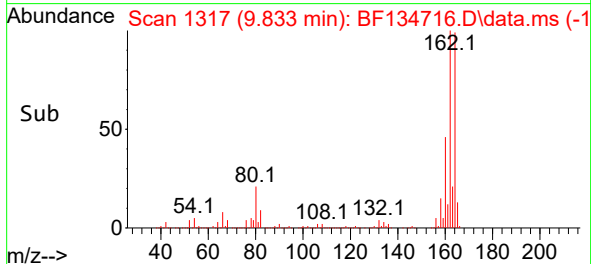
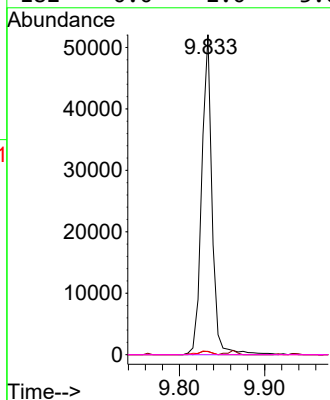
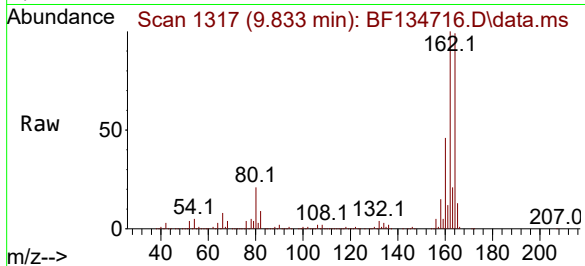




#57
2,4-Dinitrotoluene
Concen: 10.074 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

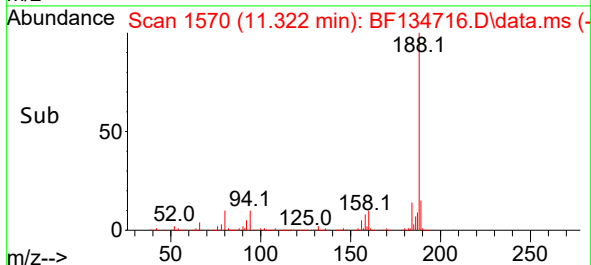
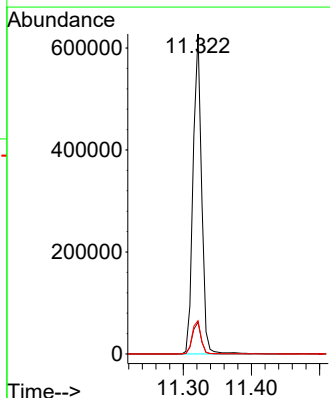
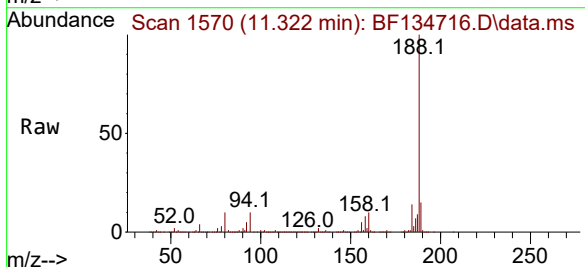
Instrument :
BNA_F
ClientSampleId :
WC-17

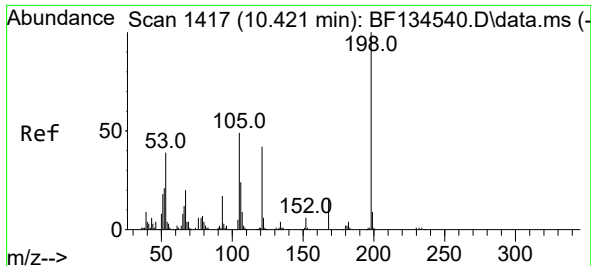
Tgt Ion:165 Resp: 43937
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 0.9 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion:188 Resp: 539790
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7#
80 10.4 6.6 9.8#

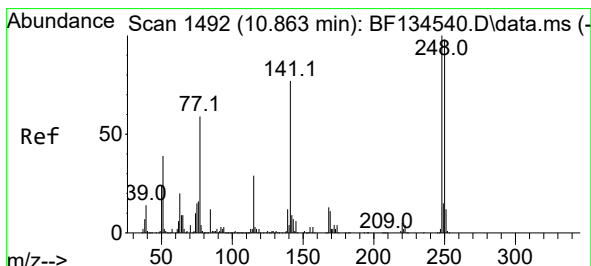
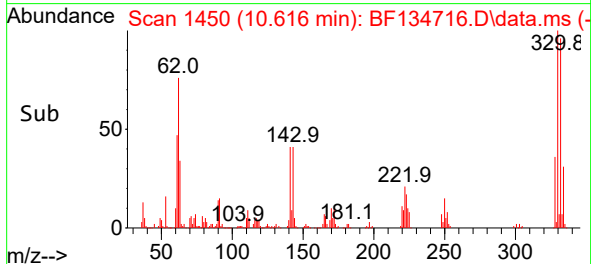
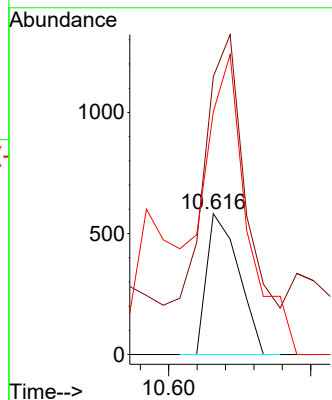
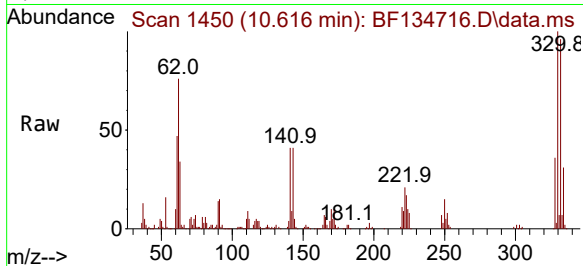




#65
4,6-Dinitro-2-methylphenol
Concen: 8.870 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.176 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

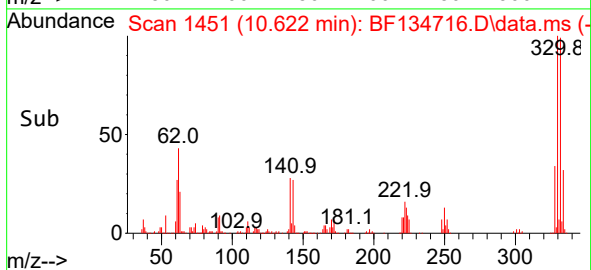
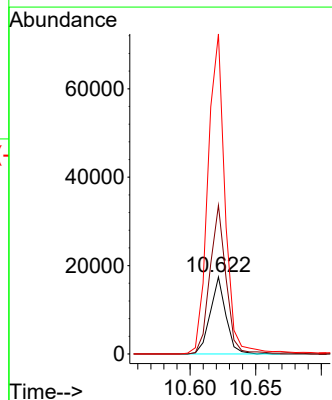
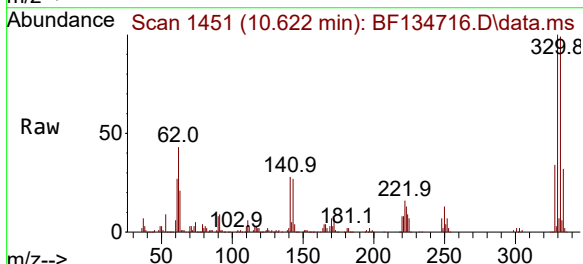
Instrument :
BNA_F
ClientSampleId :
WC-17

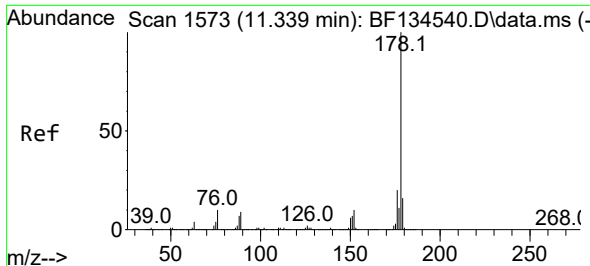
Tgt Ion:198 Resp: 455
Ion Ratio Lower Upper
198 100
51 197.3 38.6 78.6#
105 172.3 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.460 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion:248 Resp: 14538
Ion Ratio Lower Upper
248 100
250 193.0 79.6 119.4#
141 415.5 59.6 89.4#

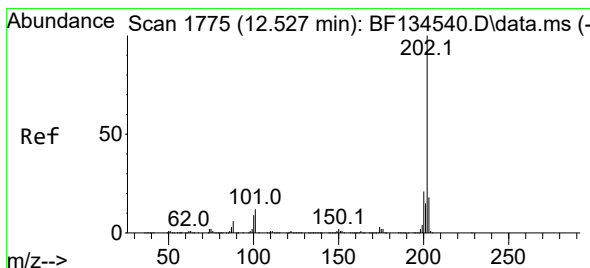
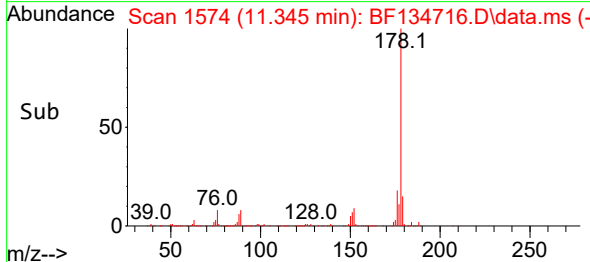
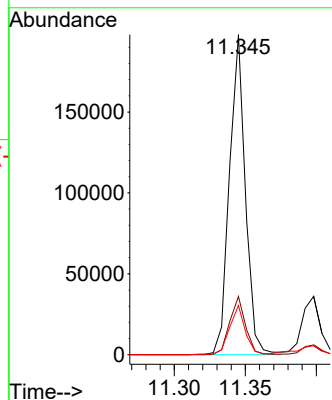
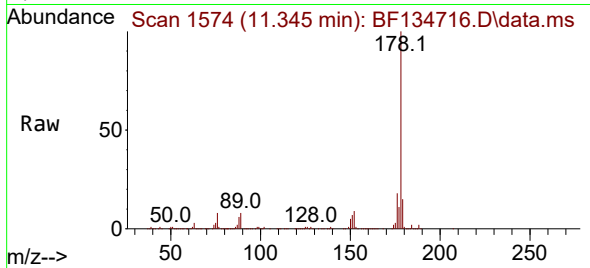




#71
Phenanthrene
Concen: 5.371 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

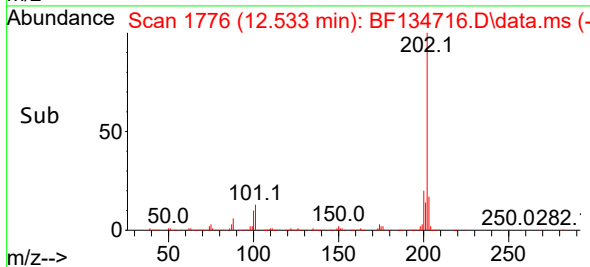
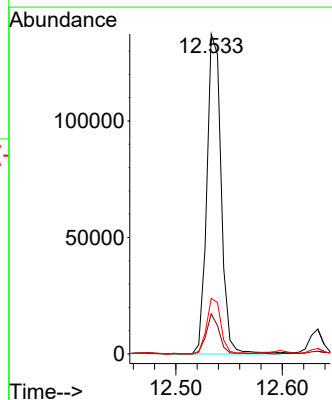
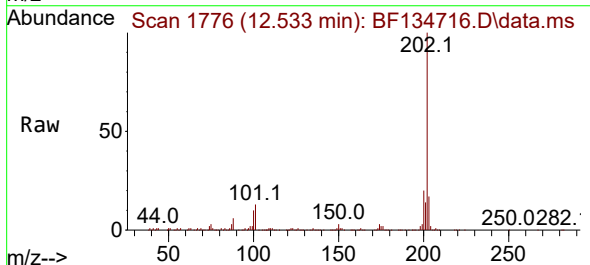
Instrument :
BNA_F
ClientSampleId :
WC-17

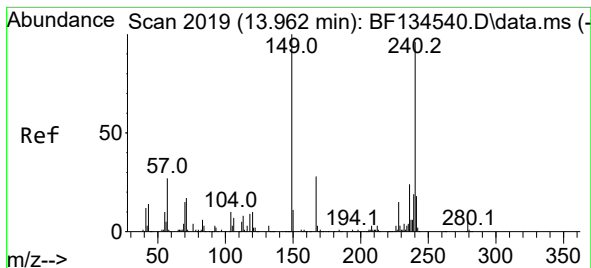
Tgt Ion:178 Resp: 154006
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.6
179 15.4 12.7 19.1



#75
Fluoranthene
Concen: 4.259 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion:202 Resp: 128976
Ion Ratio Lower Upper
202 100
101 12.6 0.0 28.5
203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

Instrument :

BNA_F

ClientSampleId :

WC-17

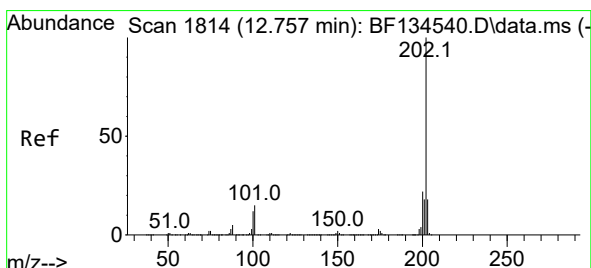
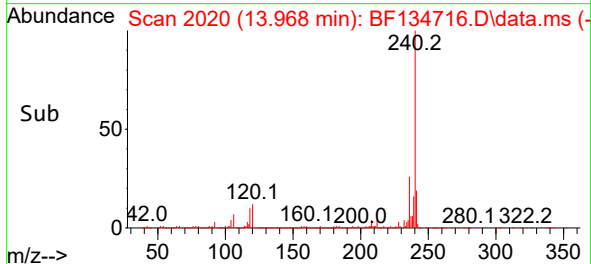
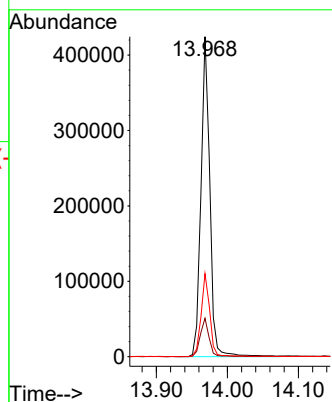
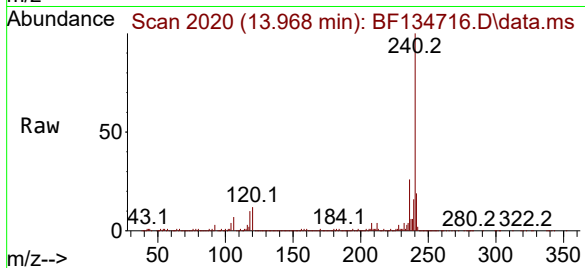
Tgt Ion:240 Resp: 368927

Ion Ratio Lower Upper

240 100

120 12.0 6.6 10.0#

236 25.9 20.2 30.2



#78

Pyrene

Concen: 3.509 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

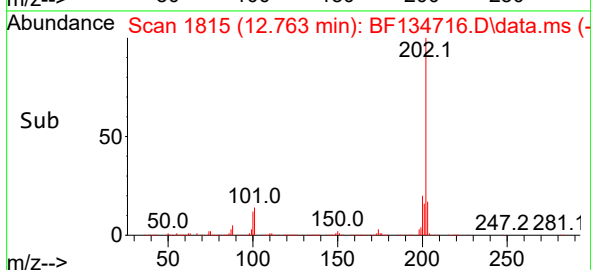
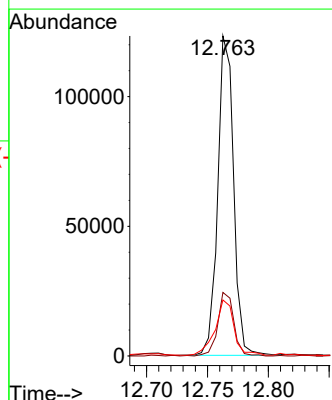
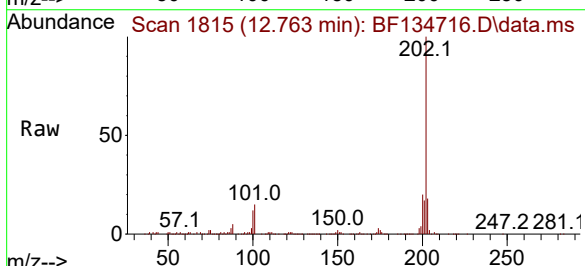
Tgt Ion:202 Resp: 112018

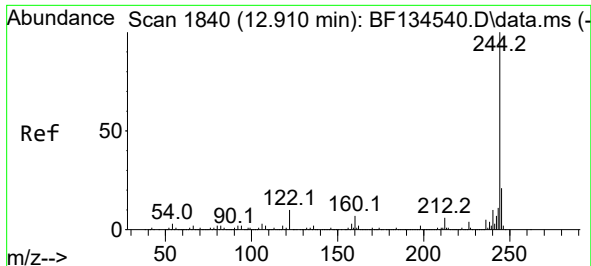
Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.8

203 17.5 13.5 20.3

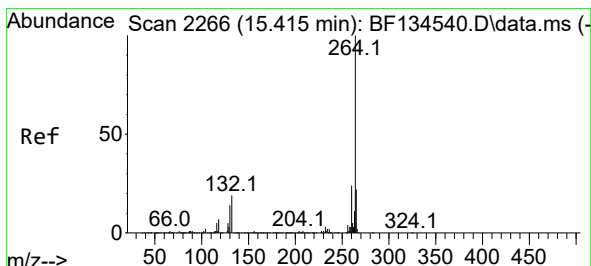
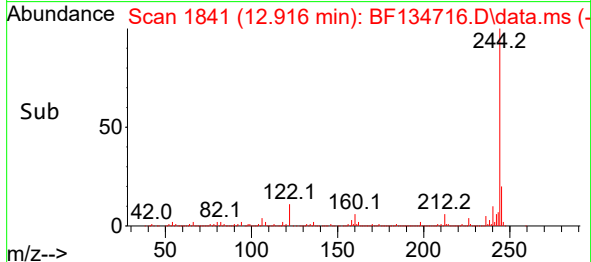
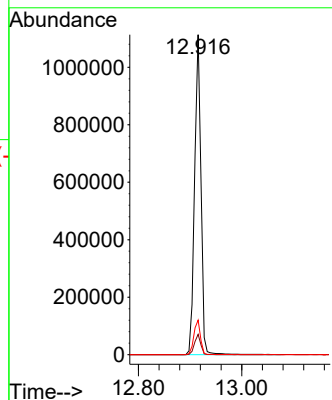
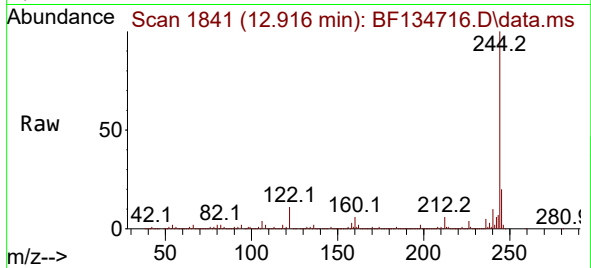




#79
Terphenyl-d14
Concen: 45.489 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

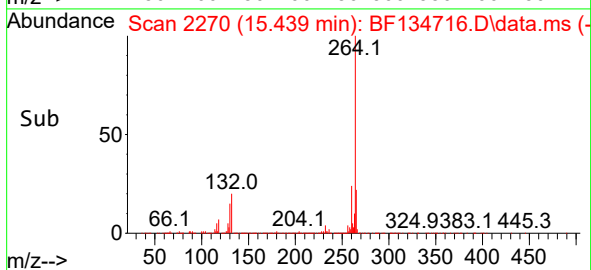
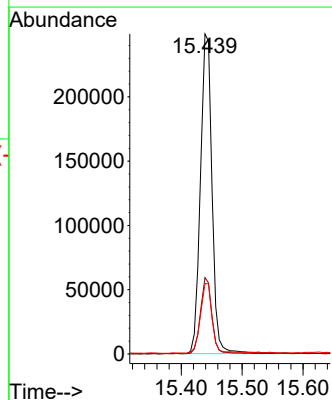
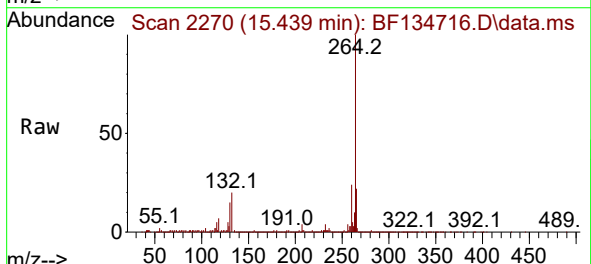
Instrument :
BNA_F
ClientSampleId :
WC-17

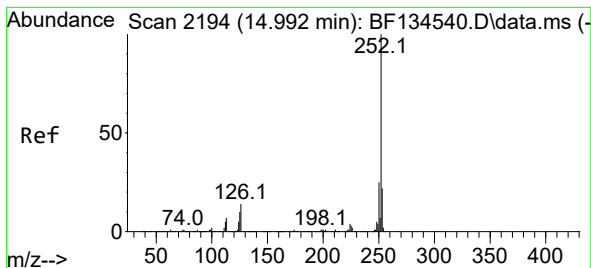
Tgt Ion:244 Resp: 951973
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.8 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134716.D
Acq: 10 Aug 2023 18:59

Tgt Ion:264 Resp: 329311
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 22.0 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.971 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

Instrument :

BNA_F

ClientSampleId :

WC-17

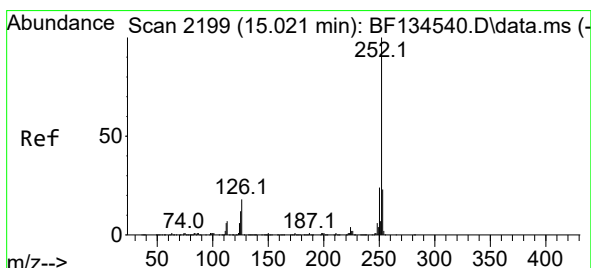
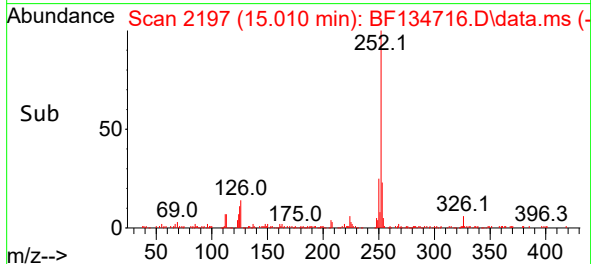
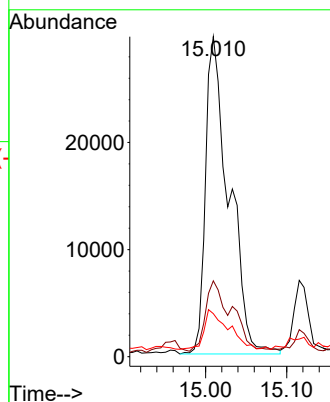
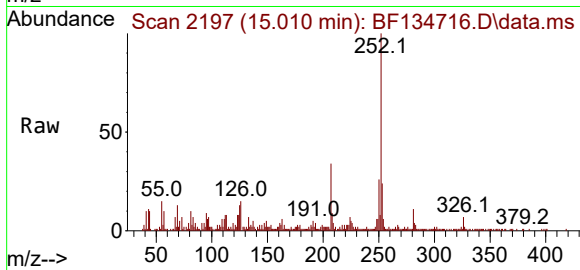
Tgt Ion:252 Resp: 59676

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 13.4 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.983 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF134716.D

Acq: 10 Aug 2023 18:59

Tgt Ion:252 Resp: 59676

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

125 13.4 6.3 9.5#

