

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139497.D
 Acq On : 20 Sep 2024 12:50
 Operator : RC/JU
 Sample : P4103-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-22A

Quant Time: Sep 20 13:28:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

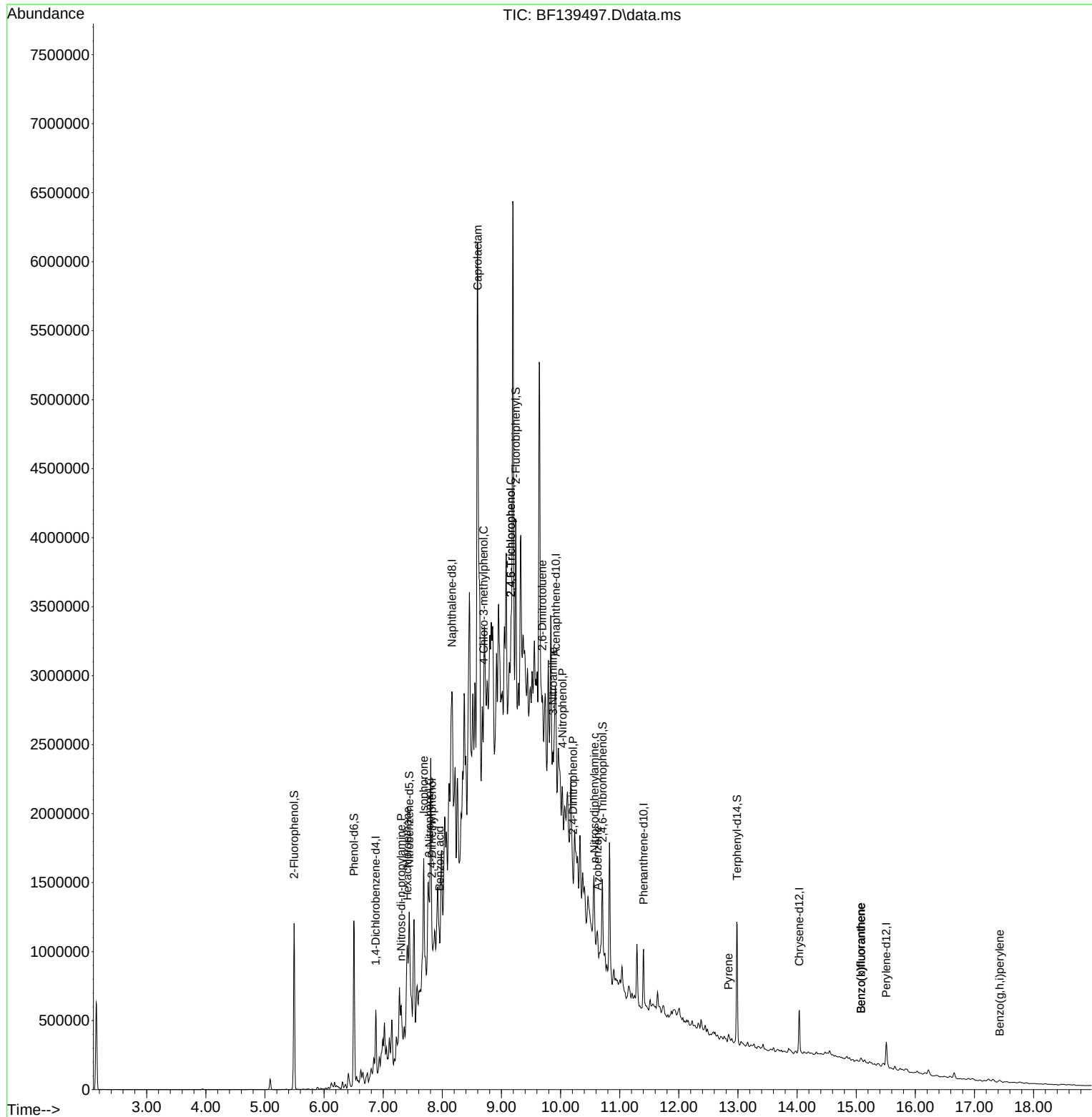
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75553	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	249625	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	120674	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	199719	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	140700	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	103274	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	390489	84.315	ng	0.00
7) Phenol-d6	6.504	99	510408	83.963	ng	0.00
23) Nitrobenzene-d5	7.439	82	345794	65.123	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91246	71.024	ng	0.01
45) 2-Fluorobiphenyl	9.245	172	484897	56.357	ng	0.01
79) Terphenyl-d14	12.986	244	428483	49.986	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.410	117	6084	2.915	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	16920	4.697	ng	# 67
25) Isophorone	7.686	82	52492	6.251	ng	# 1
26) 2-Nitrophenol	7.781	139	11838	5.560	ng	# 1
27) 2,4-Dimethylphenol	7.822	122	16162	5.755	ng	# 1
32) Benzoic acid	7.951	122	12342	4.696	ng	# 7
35) Caprolactam	8.598	113	161249	146.920	ng	# 18
36) 4-Chloro-3-methylphenol	8.698	107	35851	8.792	ng	# 26
43) 2,4,6-Trichlorophenol	9.157	196	5511	2.368	ng	# 13
44) 2,4,5-Trichlorophenol	9.157	196	5511	2.245	ng	# 1
51) 2,6-Dinitrotoluene	9.692	165	5475	3.120	ng	# 41
53) 3-Nitroaniline	9.875	138	6786	3.870	ng	# 24
54) 2,4-Dinitrophenol	10.210	184	5497	5.622	ng	91
56) 4-Nitrophenol	10.033	139	3852	2.655	ng	# 1
63) Azobenzene	10.627	77	29731	3.698	ng	# 17
66) n-Nitrosodiphenylamine	10.574	169	39830	6.821	ng	# 48
78) Pyrene	12.839	202	31071	2.572	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	13469	2.115	ng	# 63
89) Benzo(k)fluoranthene	15.080	252	12958	2.207	ng	# 62
92) Benzo(g,h,i)perylene	17.427	276	10641	2.118	ng	# 93

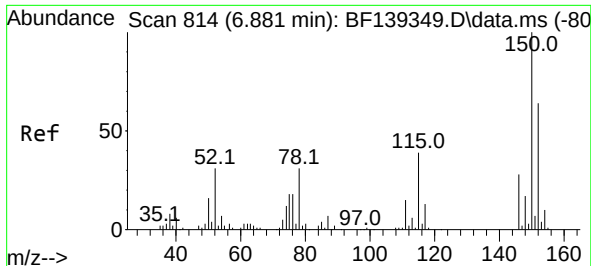
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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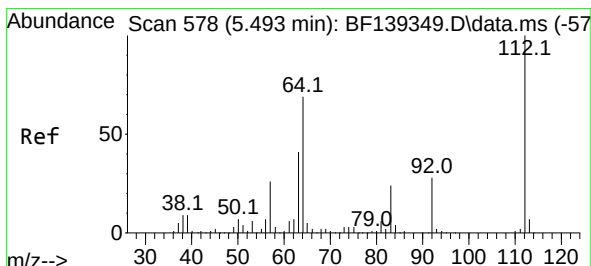
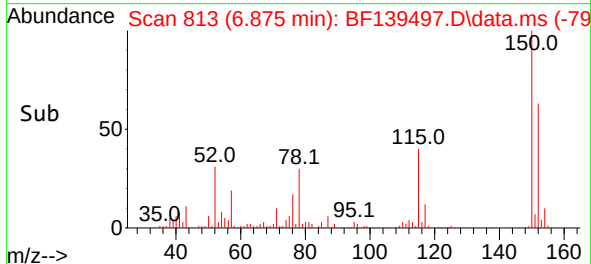
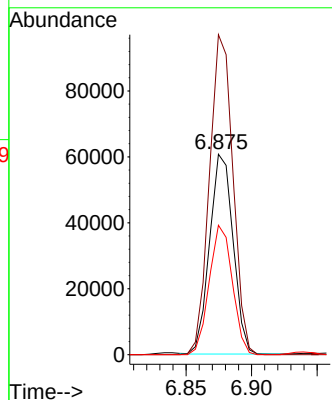
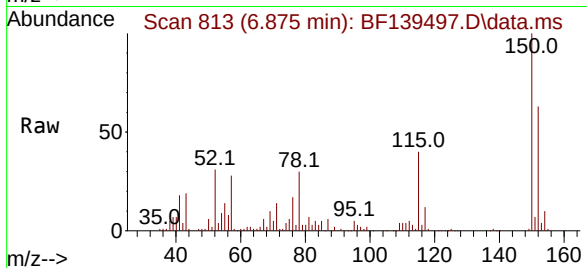




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

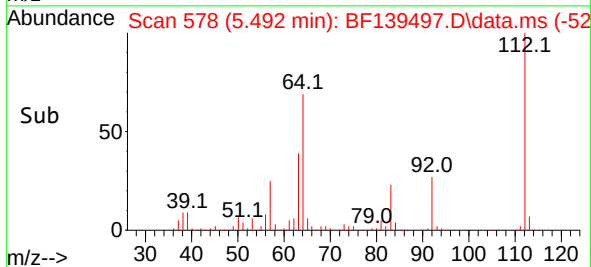
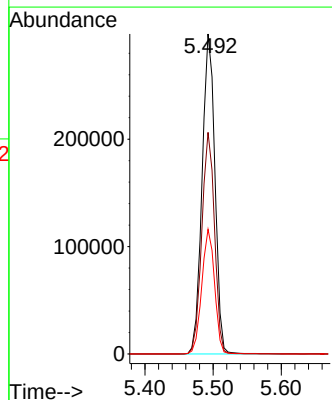
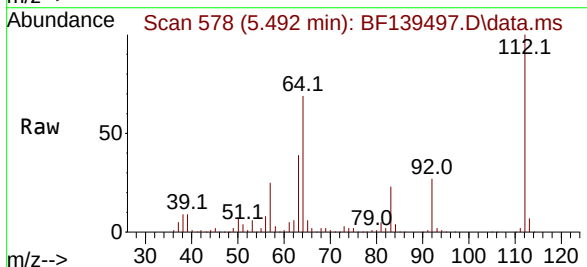
Instrument :
BNA_F
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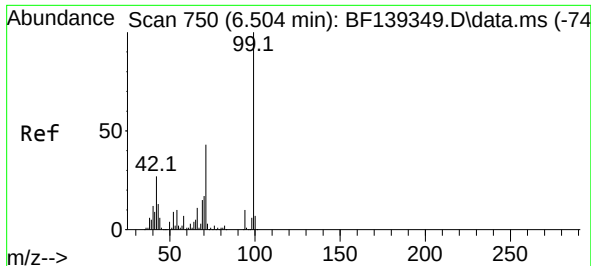
Tgt Ion:152 Resp: 75553
Ion Ratio Lower Upper
152 100
150 159.6 124.1 186.1
115 64.6 48.1 72.1



#5
2-Fluorophenol
Concen: 84.315 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.001 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:112 Resp: 390489
Ion Ratio Lower Upper
112 100
64 69.3 54.8 82.2
63 39.0 33.0 49.4





#7
Phenol-d6
Concen: 83.963 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

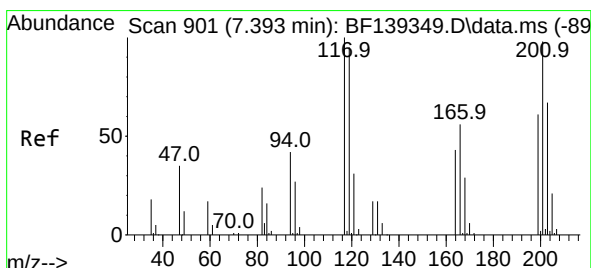
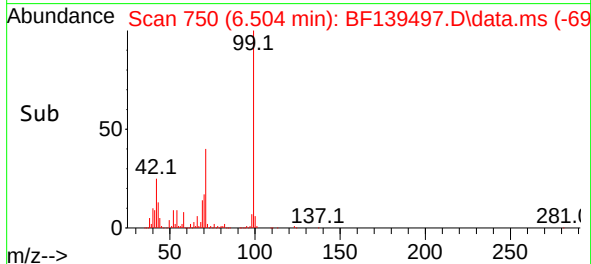
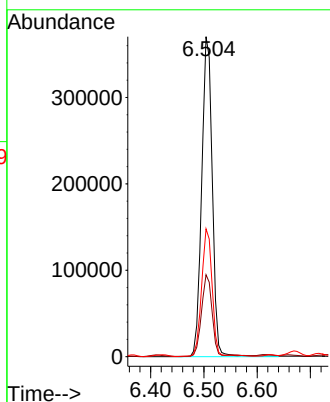
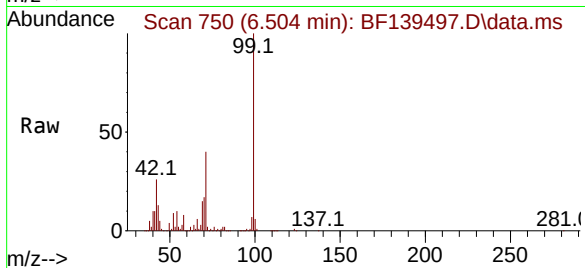
Instrument :

BNA_F

ClientSampleId :

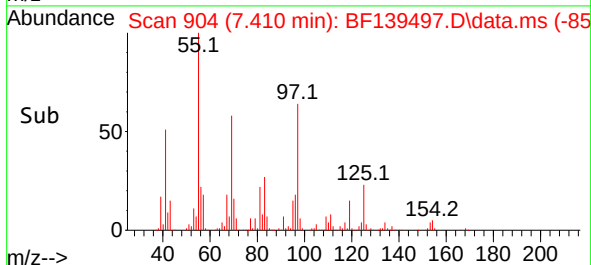
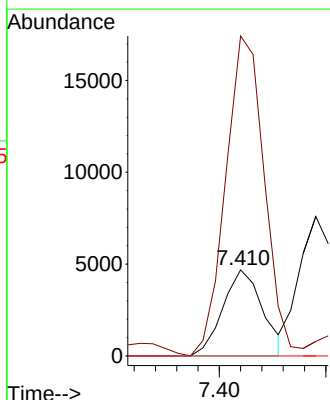
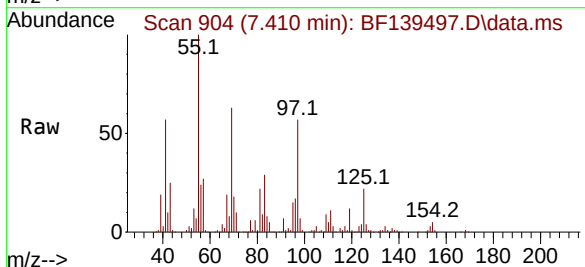
WC-22A

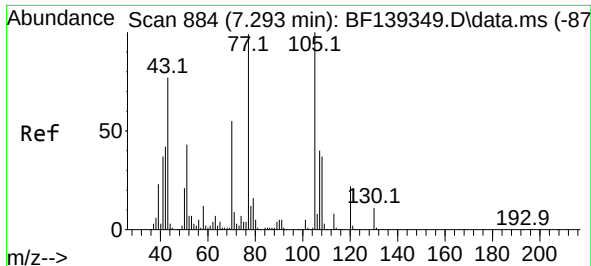
Tgt Ion: 99 Resp: 510408
Ion Ratio Lower Upper
99 100
42 25.6 21.9 32.9
71 40.0 34.6 52.0



#18
Hexachloroethane
Concen: 2.915 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.017 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion: 117 Resp: 6084
Ion Ratio Lower Upper
117 100
119 371.8 75.8 113.8#
201 0.0 78.6 118.0#





#19

n-Nitroso-di-n-propylamine

Concen: 4.697 ng

RT: 7.304 min Scan# 884

Delta R.T. 0.012 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Instrument :

BNA_F

ClientSampleId :

WC-22A

Tgt Ion: 70 Resp: 16920

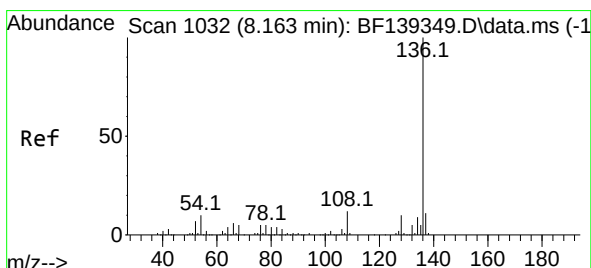
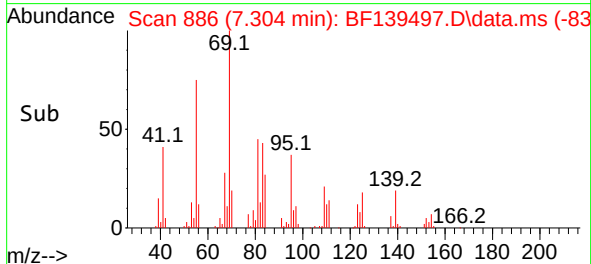
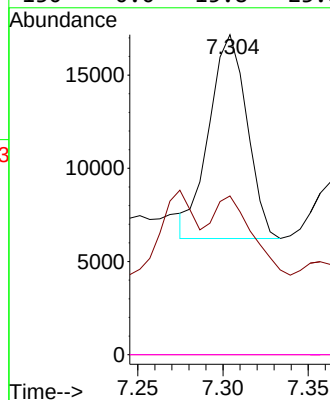
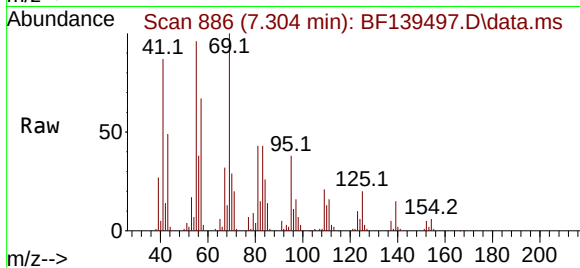
Ion Ratio Lower Upper

70 100

42 49.6 61.2 91.8#

101 0.0 7.5 11.3#

130 0.0 15.8 23.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.000 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Tgt Ion:136 Resp: 249625

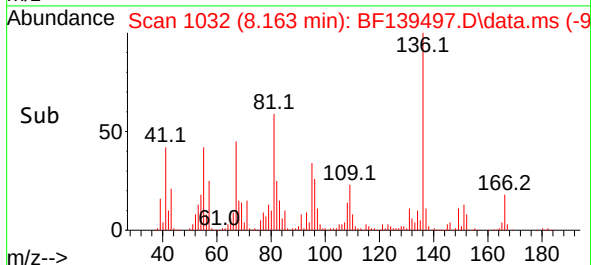
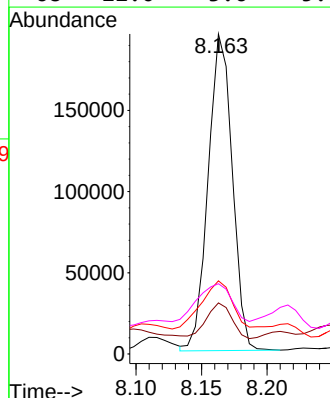
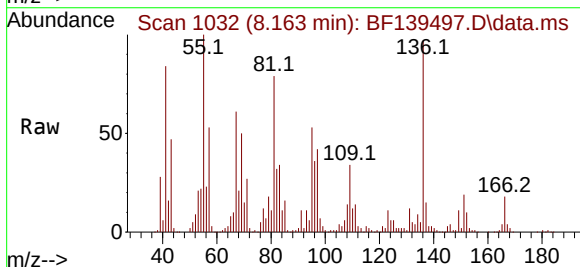
Ion Ratio Lower Upper

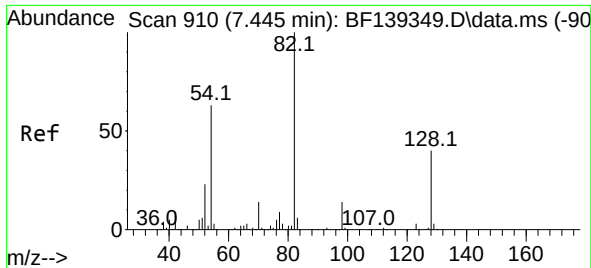
136 100

137 15.9 8.6 12.8#

54 22.8 7.8 11.8#

68 22.0 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 65.123 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

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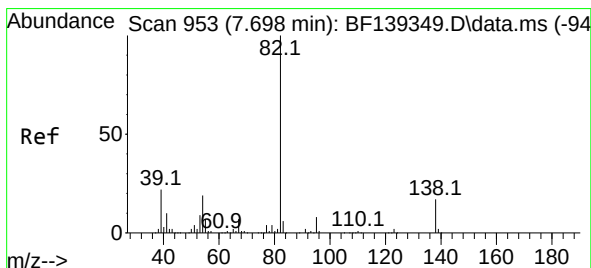
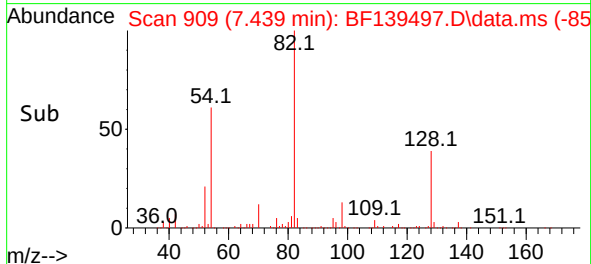
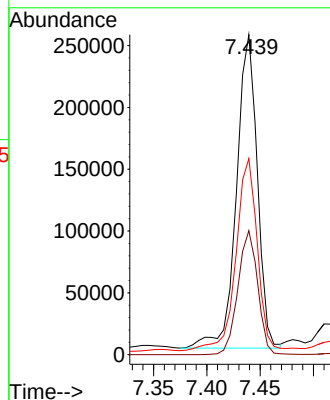
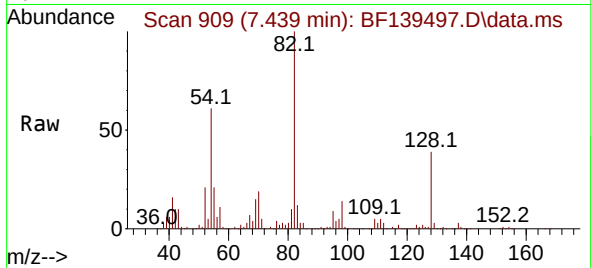
Tgt Ion: 82 Resp: 345794

Ion Ratio Lower Upper

82 100

128 38.8 31.8 47.6

54 61.3 50.6 75.8



#25

Isophorone

Concen: 6.251 ng

RT: 7.686 min Scan# 951

Delta R.T. -0.012 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

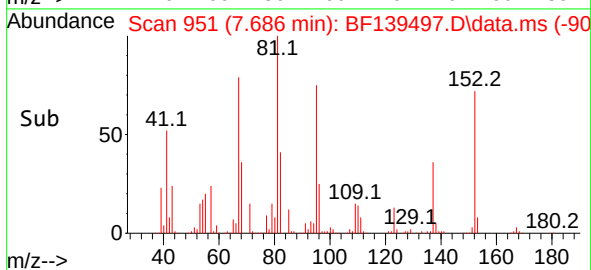
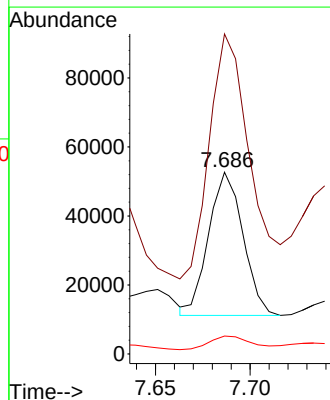
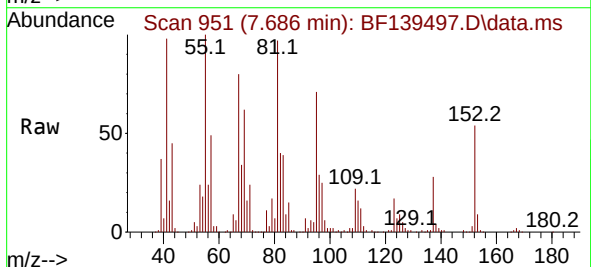
Tgt Ion: 82 Resp: 52492

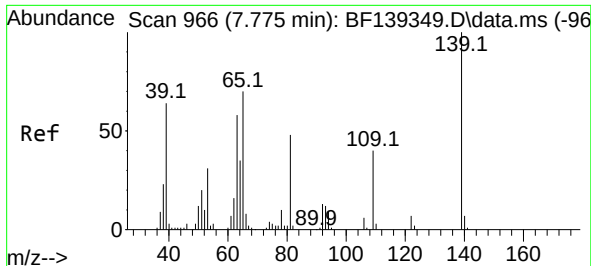
Ion Ratio Lower Upper

82 100

95 176.0 6.7 10.1#

138 9.9 13.3 19.9#

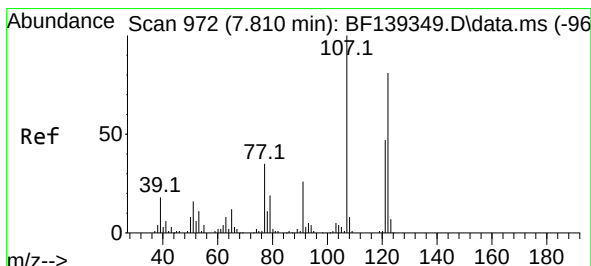
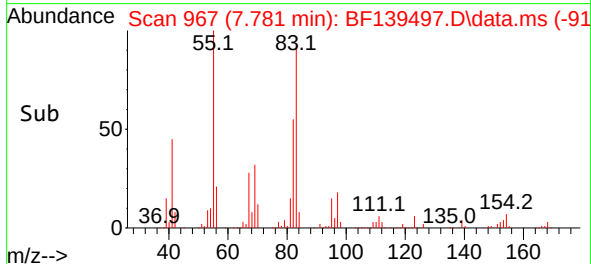
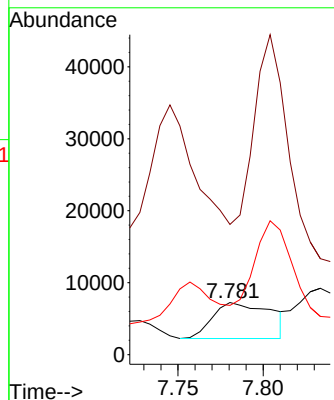
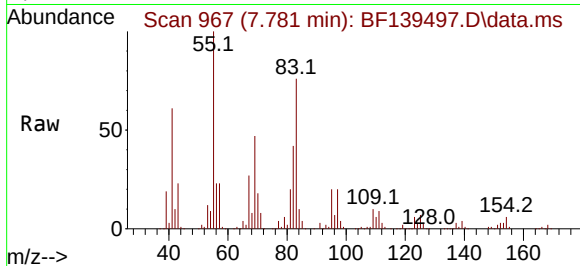




#26
2-Nitrophenol
Concen: 5.560 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

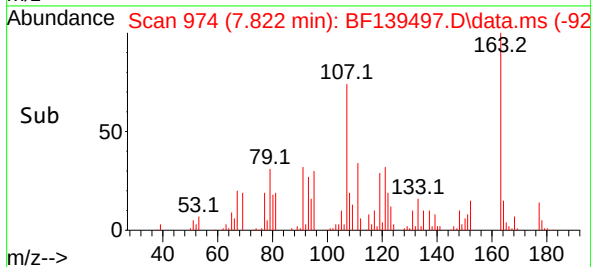
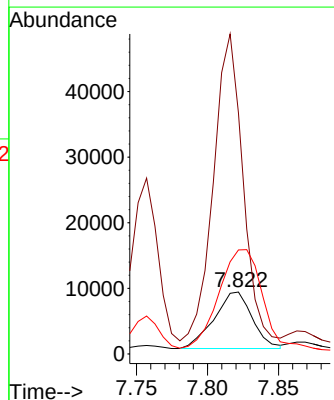
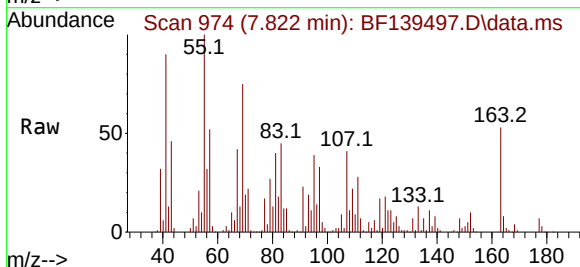
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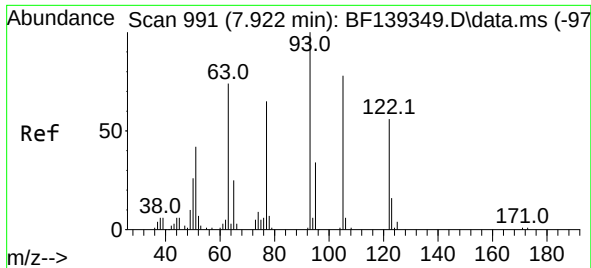
Tgt Ion:139 Resp: 11838
Ion Ratio Lower Upper
139 100
109 249.7 32.2 48.2#
65 94.7 55.8 83.8#



#27
2,4-Dimethylphenol
Concen: 5.755 ng
RT: 7.822 min Scan# 974
Delta R.T. 0.012 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:122 Resp: 16162
Ion Ratio Lower Upper
122 100
107 389.5 99.1 148.7#
121 168.1 46.6 70.0#

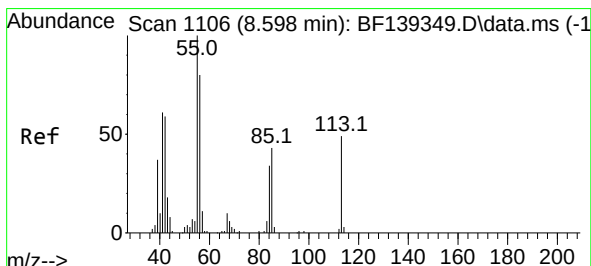
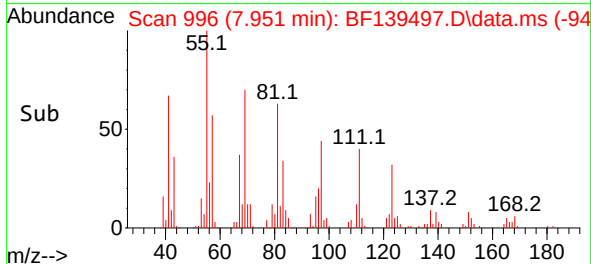
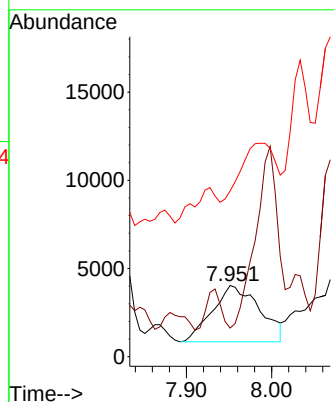
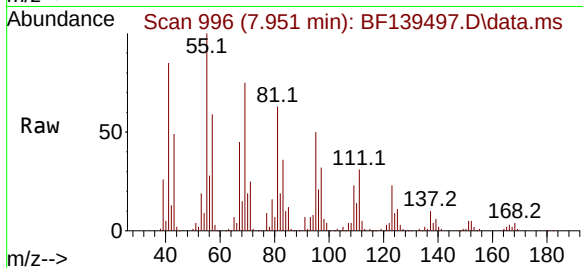




#32
Benzoic acid
Concen: 4.696 ng
RT: 7.951 min Scan# 991
Delta R.T. 0.029 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

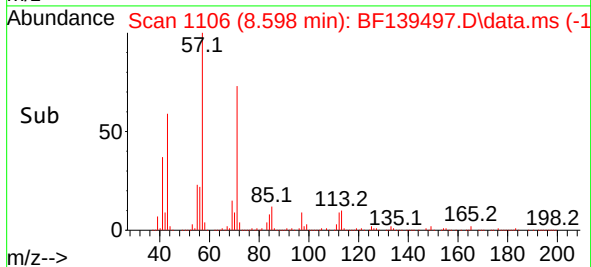
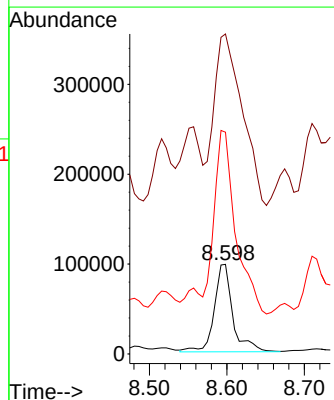
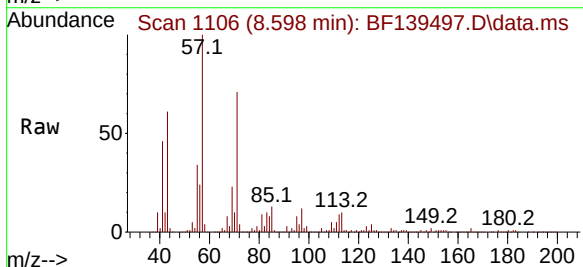
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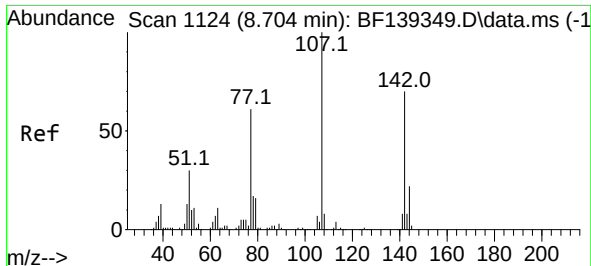
Tgt Ion:122 Resp: 12342
Ion Ratio Lower Upper
122 100
105 40.3 117.1 157.1#
77 232.8 95.4 135.4#



#35
Caprolactam
Concen: 146.920 ng
RT: 8.598 min Scan# 1106
Delta R.T. -0.000 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:113 Resp: 161249
Ion Ratio Lower Upper
113 100
55 357.3 186.1 226.1#
56 247.7 144.9 184.9#

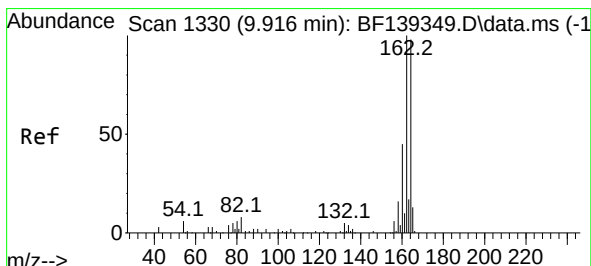
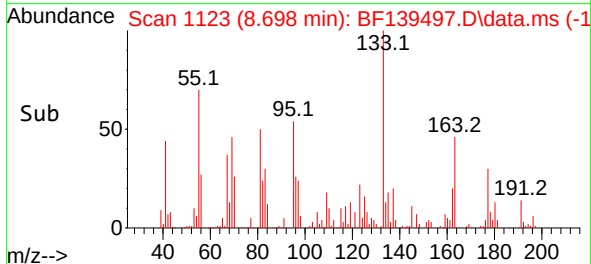
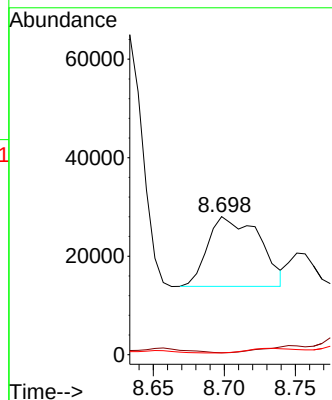
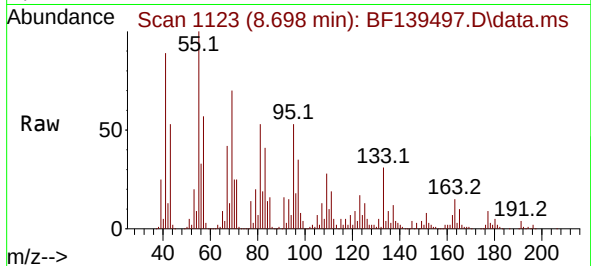




#36
4-Chloro-3-methylphenol
Concen: 8.792 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

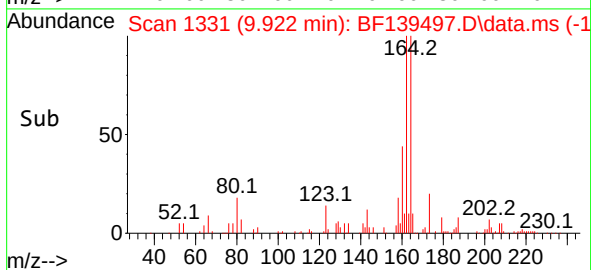
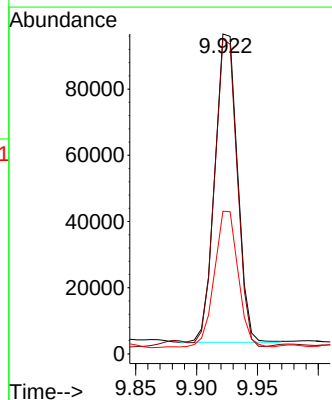
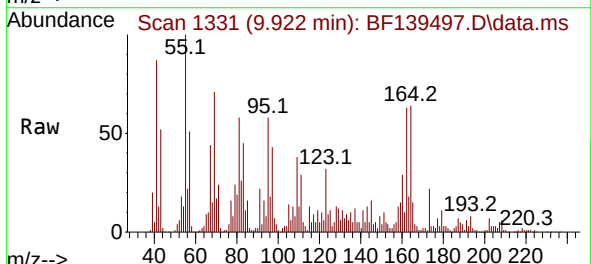
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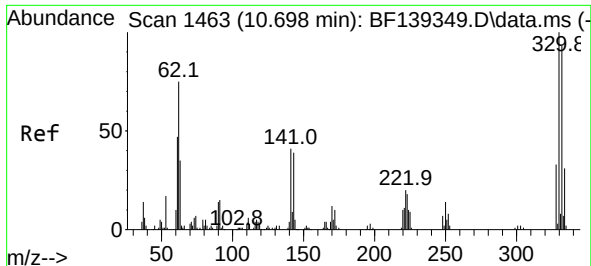
Tgt Ion:107 Resp: 35851
Ion Ratio Lower Upper
107 100
144 1.3 17.5 26.3#
142 1.3 55.8 83.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:164 Resp: 120674
Ion Ratio Lower Upper
164 100
162 98.4 81.3 121.9
160 44.6 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 71.024 ng

RT: 10.710 min Scan# 1465

Delta R.T. 0.012 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Instrument :

BNA_F

ClientSampleId :

WC-22A

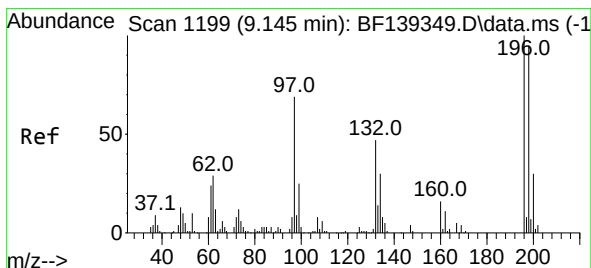
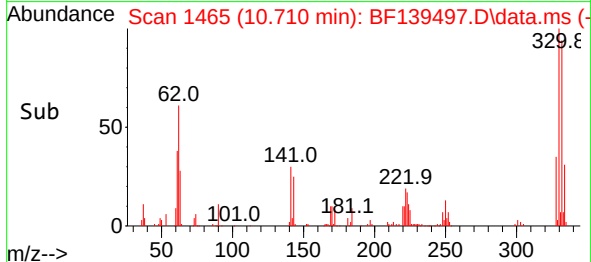
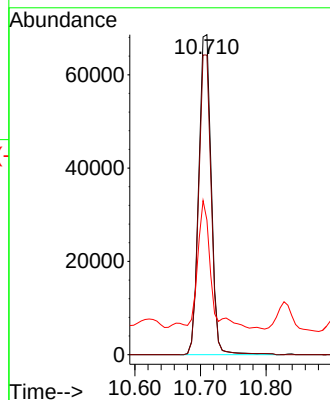
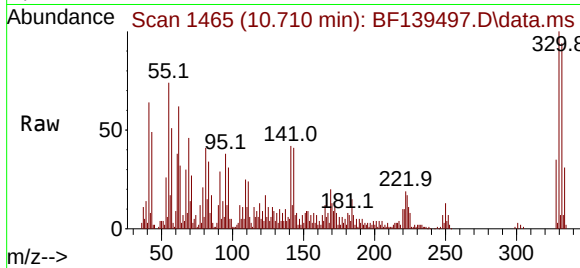
Tgt Ion:330 Resp: 91246

Ion Ratio Lower Upper

330 100

332 93.7 75.2 112.8

141 41.8 31.2 46.8



#43

2,4,6-Trichlorophenol

Concen: 2.368 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.012 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

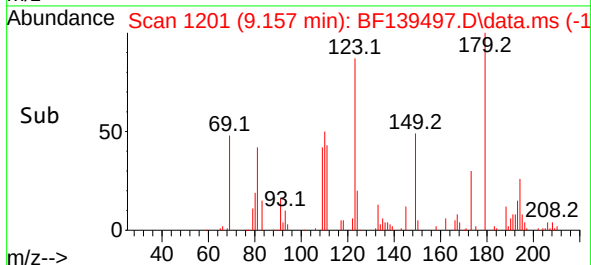
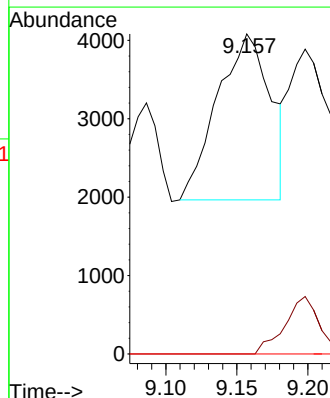
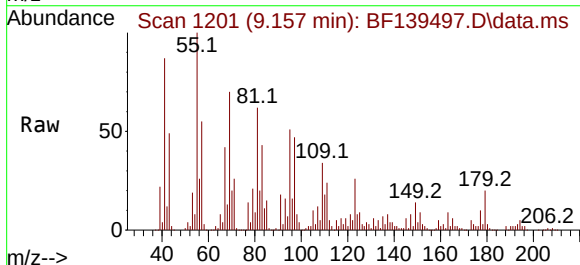
Tgt Ion:196 Resp: 5511

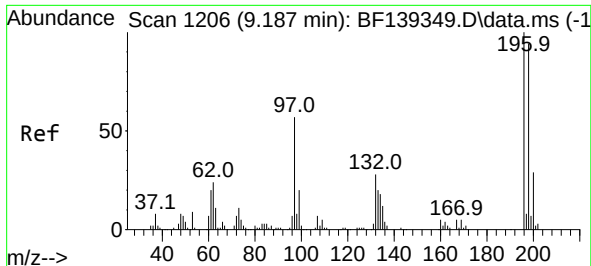
Ion Ratio Lower Upper

196 100

198 0.0 75.8 113.6#

200 0.0 24.1 36.1#

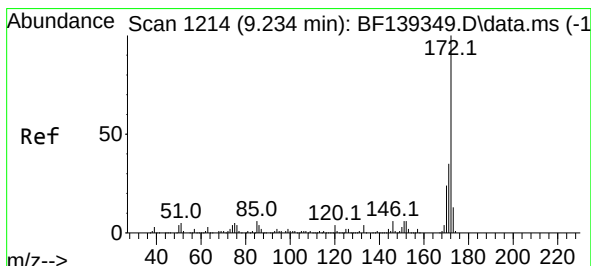
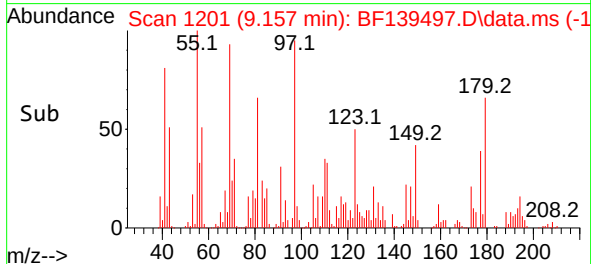
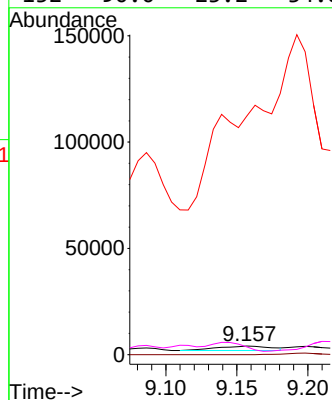
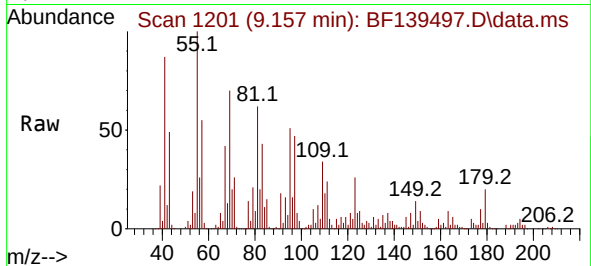




#44
2,4,5-Trichlorophenol
Concen: 2.245 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

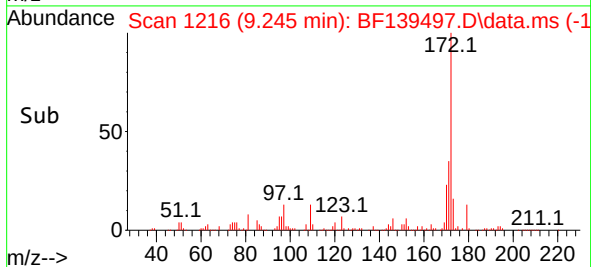
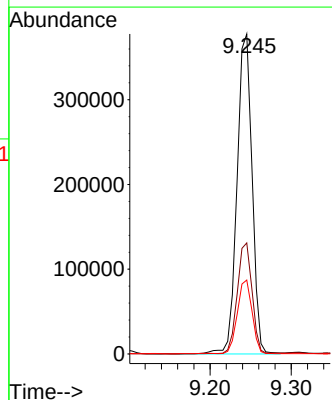
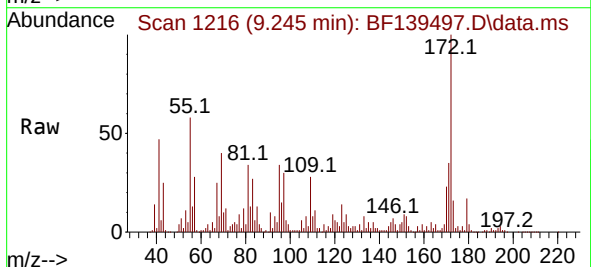
Instrument :
BNA_F
ClientSampleId :
WC-22A

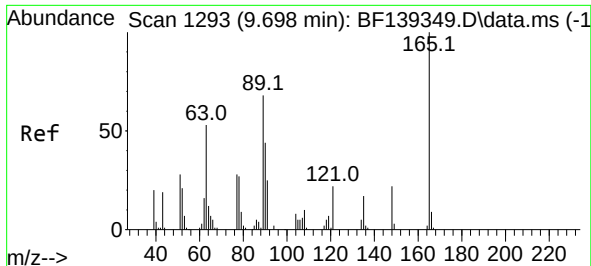
Tgt Ion:196 Resp: 5511
Ion Ratio Lower Upper
196 100
198 0.0 74.8 112.2#
97 2749.9 47.3 70.9#
132 90.0 23.2 34.8#



#45
2-Fluorobiphenyl
Concen: 56.357 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.012 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:172 Resp: 484897
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.1 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 3.120 ng

RT: 9.692 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Instrument :

BNA_F

ClientSampleId :

WC-22A

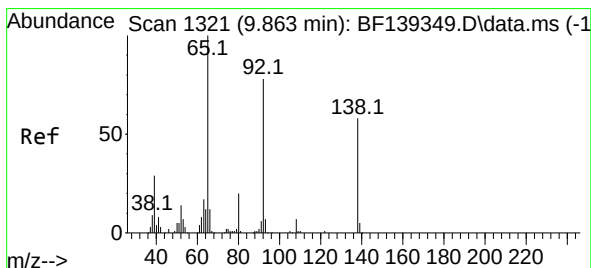
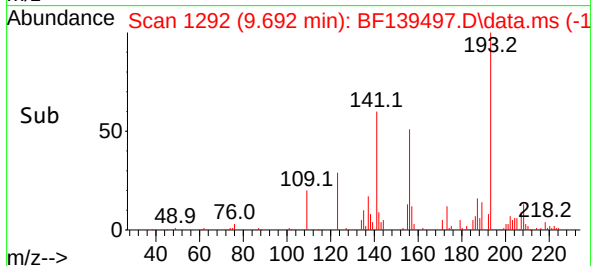
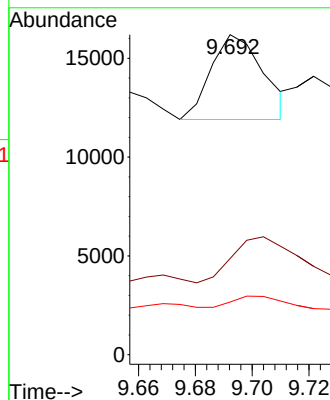
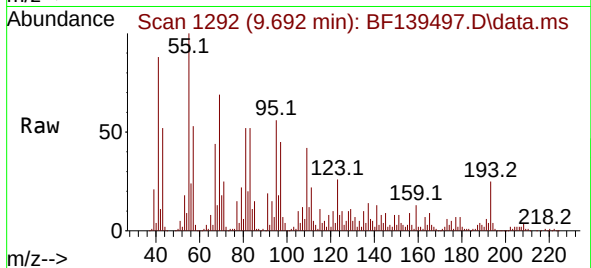
Tgt Ion:165 Resp: 5475

Ion Ratio Lower Upper

165 100

63 30.1 60.9 91.3#

89 16.5 54.7 82.1#



#53

3-Nitroaniline

Concen: 3.870 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.012 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

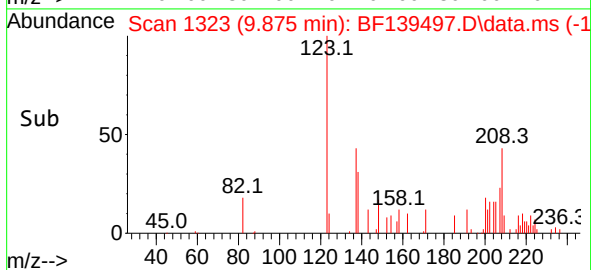
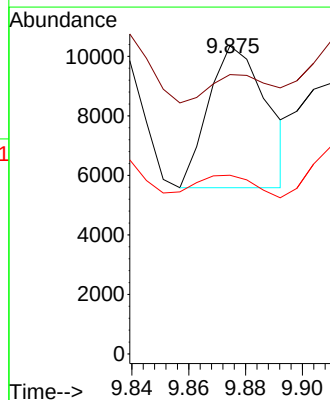
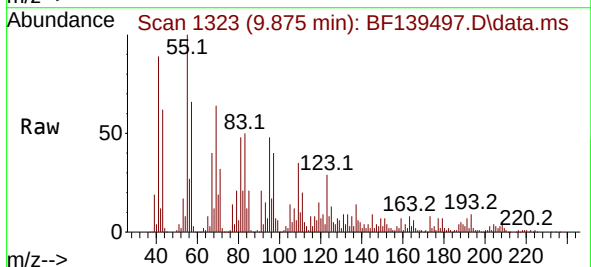
Tgt Ion:138 Resp: 6786

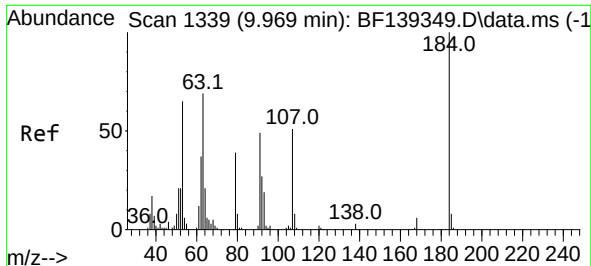
Ion Ratio Lower Upper

138 100

108 90.7 9.8 14.8#

92 58.0 107.4 161.2#

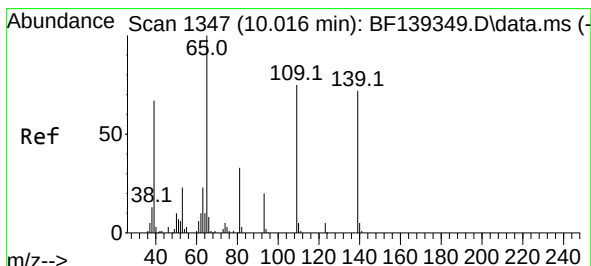
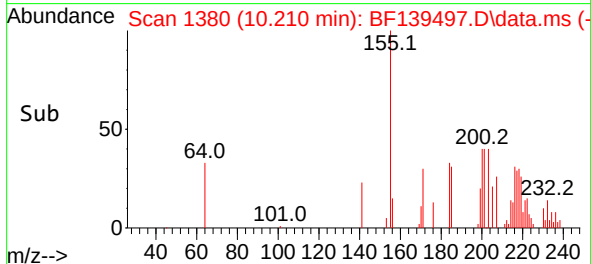
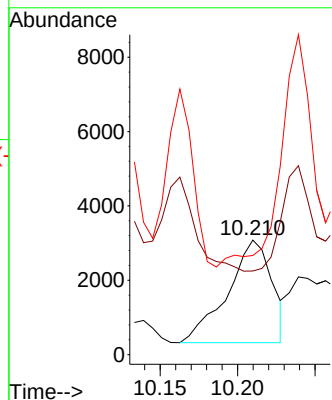
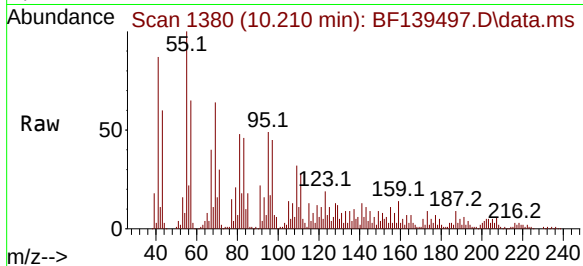




#54
2,4-Dinitrophenol
Concen: 5.622 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.241 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

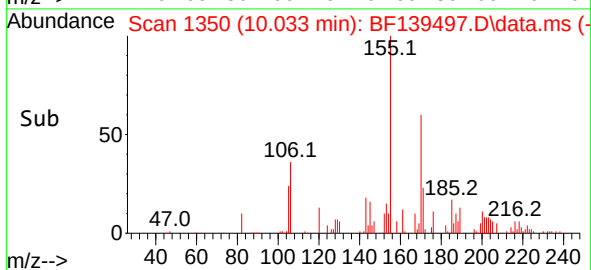
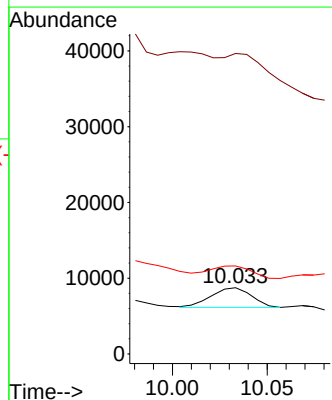
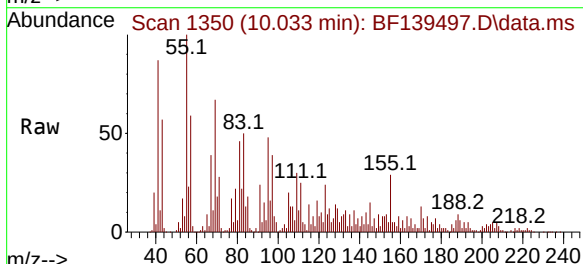
Instrument :
BNA_F
ClientSampleId :
WC-22A

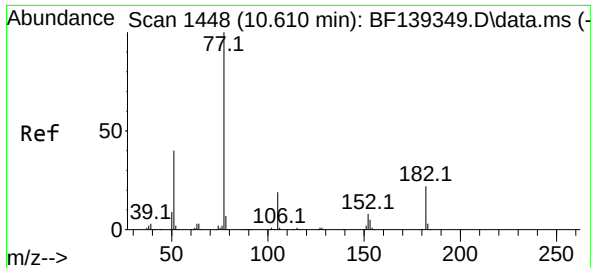
Tgt Ion:184 Resp: 5497
Ion Ratio Lower Upper
184 100
63 73.0 69.3 103.9
154 86.5 67.5 101.3



#56
4-Nitrophenol
Concen: 2.655 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.017 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:139 Resp: 3852
Ion Ratio Lower Upper
139 100
109 453.3 84.1 124.1#
65 132.7 120.0 160.0

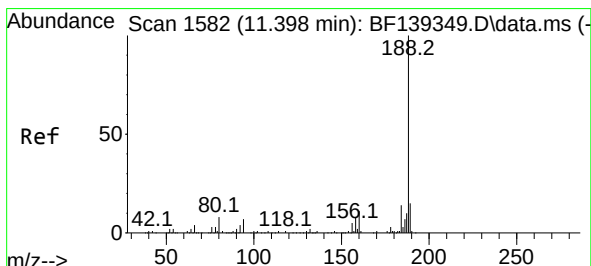
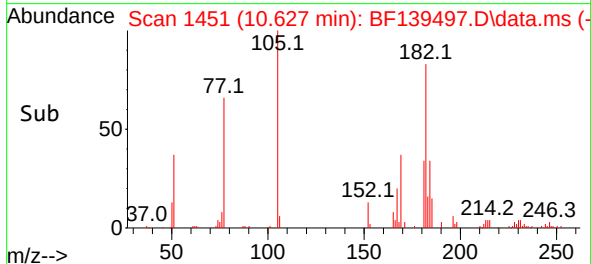
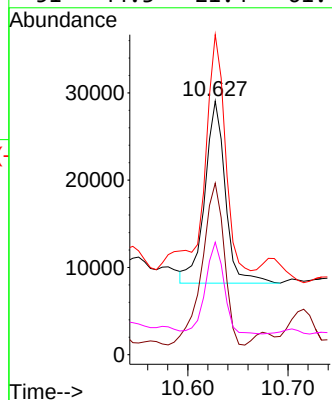
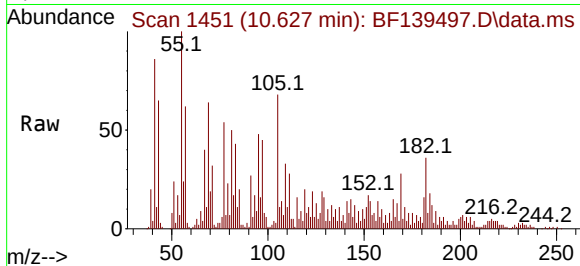




#63
Azobenzene
Concen: 3.698 ng
RT: 10.627 min Scan# 1448
Delta R.T. 0.017 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

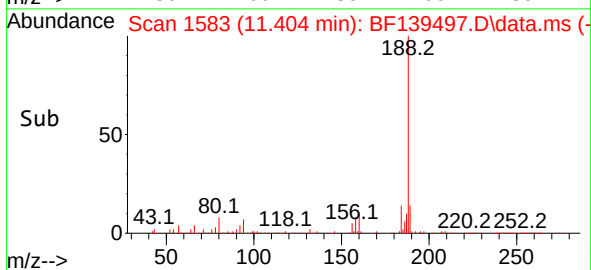
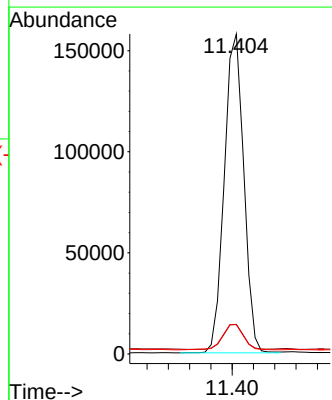
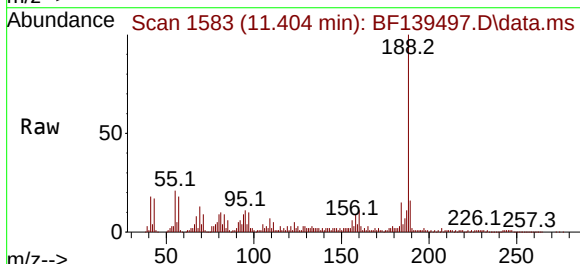
Instrument :
BNA_F
ClientSampleId :
WC-22A

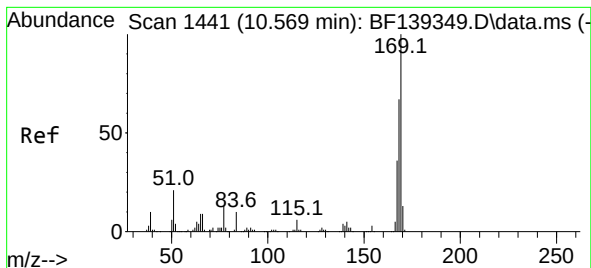
Tgt Ion: 77	Resp: 29731
Ion Ratio	Lower Upper
77 100	
182 67.6	1.8 41.8#
105 126.2	0.0 38.6#
51 44.3	21.4 61.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion: 188	Resp: 199719
Ion Ratio	Lower Upper
188 100	
94 9.2	5.5 8.3#
80 9.2	6.6 9.8

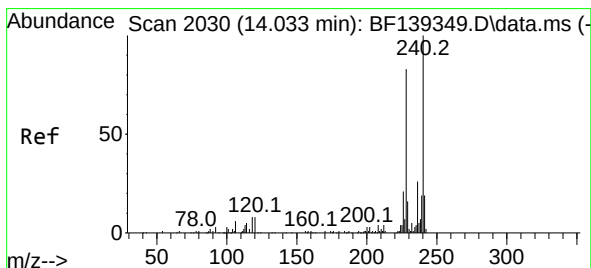
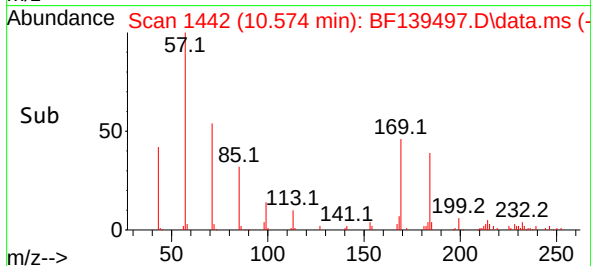
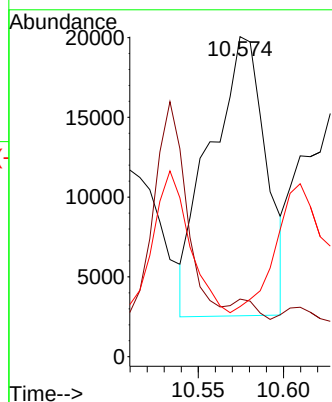
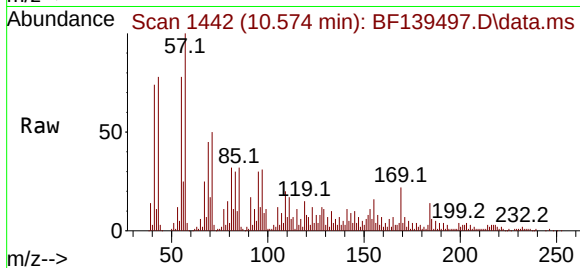




#66
n-Nitrosodiphenylamine
Concen: 6.821 ng
RT: 10.574 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

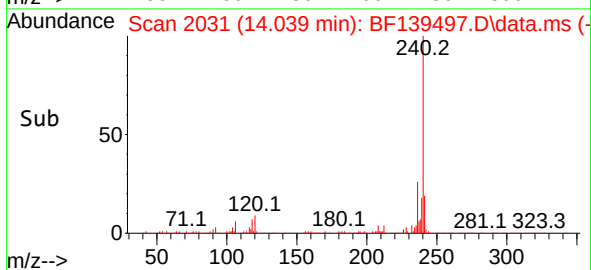
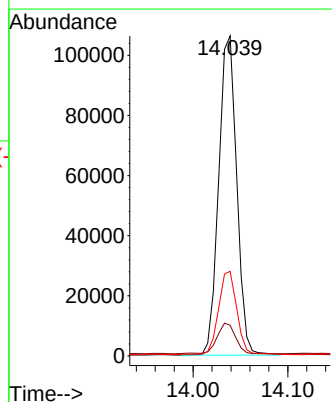
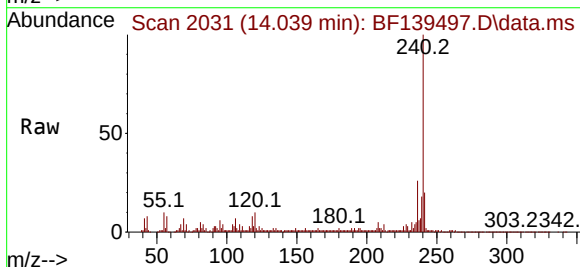
Instrument :
BNA_F
ClientSampleId :
WC-22A

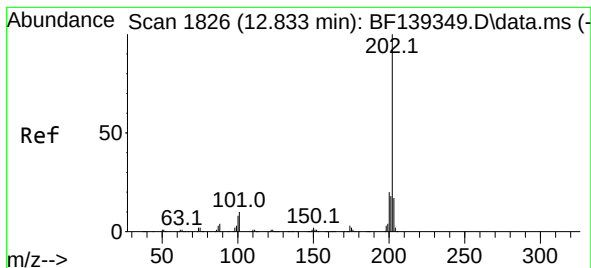
Tgt Ion:169 Resp: 39830
Ion Ratio Lower Upper
169 100
168 18.0 53.6 80.4#
167 15.7 28.7 43.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:240 Resp: 140700
Ion Ratio Lower Upper
240 100
120 9.6 6.2 9.2#
236 26.5 20.9 31.3





#78

Pyrene

Concen: 2.572 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

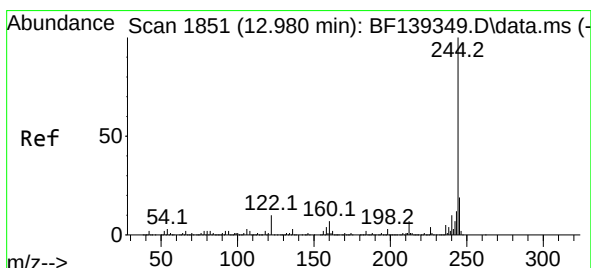
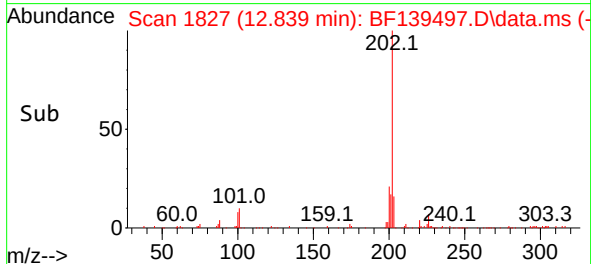
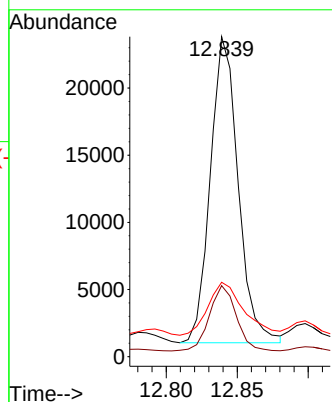
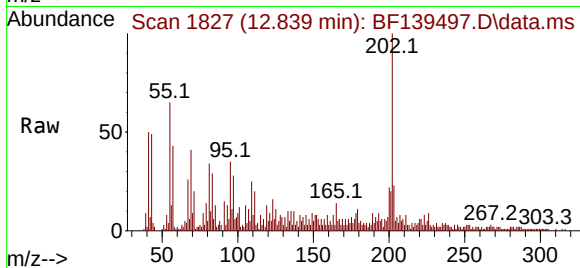
Instrument :

BNA_F

ClientSampleId :

WC-22A

Tgt Ion:	202	Resp:	31071
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.2	24.2
203	23.2	13.9	20.9



#79

Terphenyl-d14

Concen: 49.986 ng

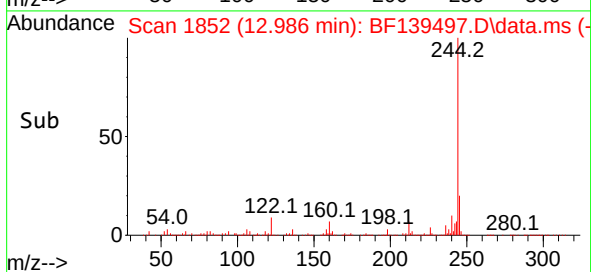
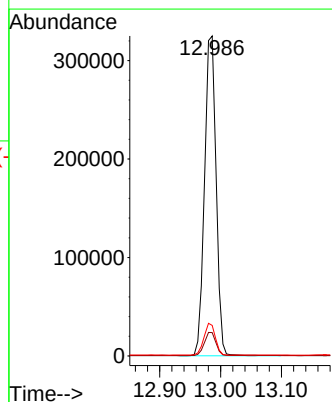
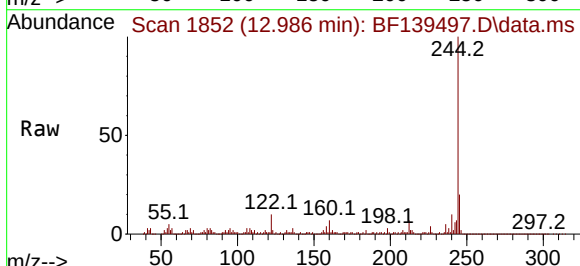
RT: 12.986 min Scan# 1852

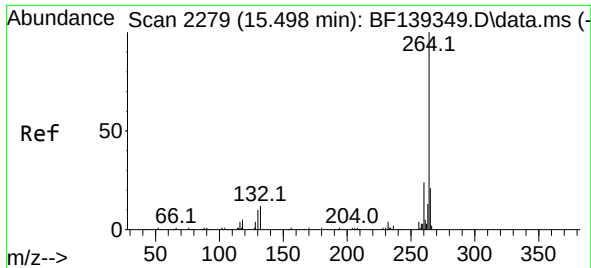
Delta R.T. 0.006 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Tgt Ion:	244	Resp:	428483
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	9.5	7.6	11.4

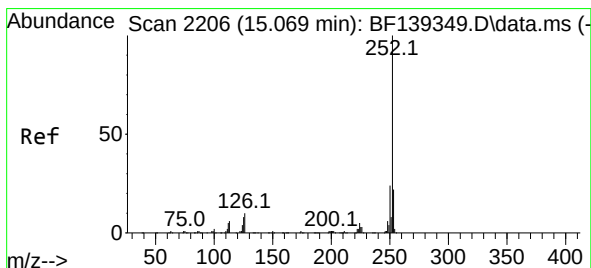
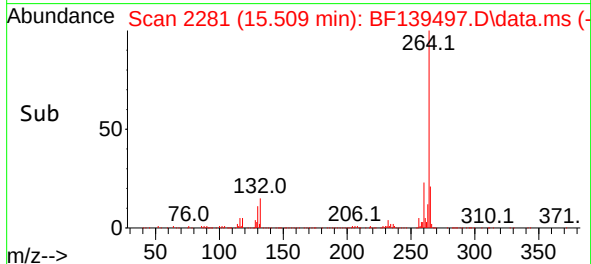
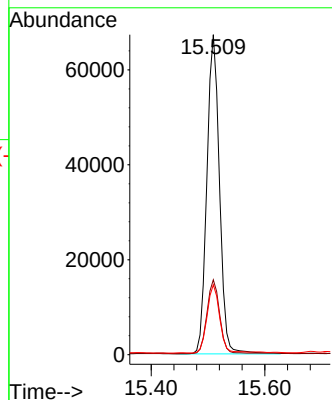
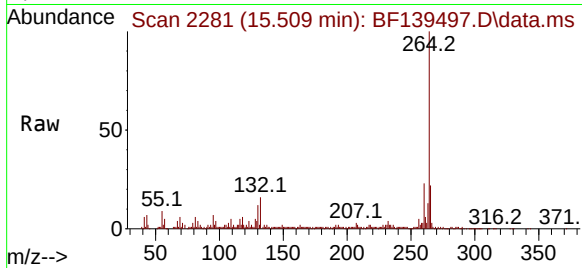




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

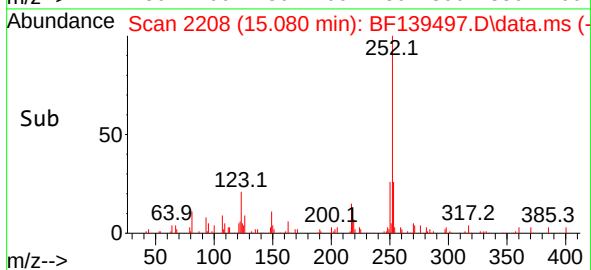
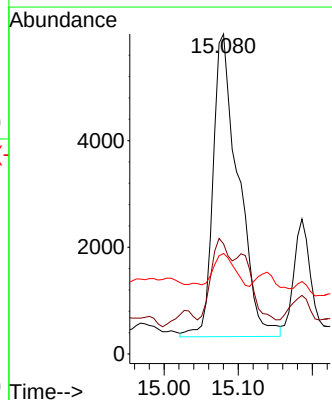
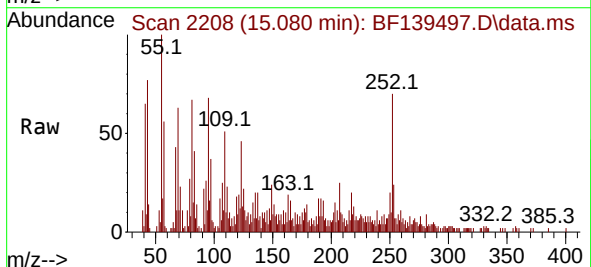
Instrument :
BNA_F
ClientSampleId :
WC-22A

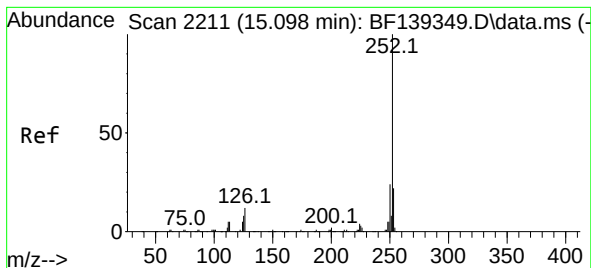
Tgt Ion:264 Resp: 103274
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.9 16.6 25.0



#88
Benzo(b)fluoranthene
Concen: 2.115 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF139497.D
Acq: 20 Sep 2024 12:50

Tgt Ion:252 Resp: 13469
Ion Ratio Lower Upper
252 100
253 34.4 17.6 26.4#
125 31.4 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 2.207 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Instrument :

BNA_F

ClientSampleId :

WC-22A

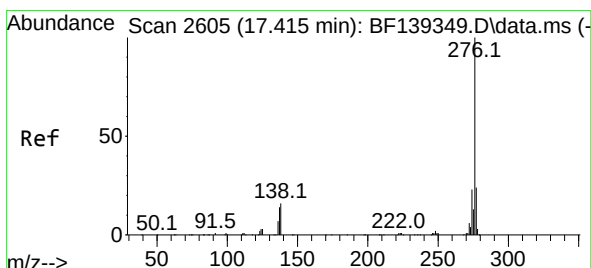
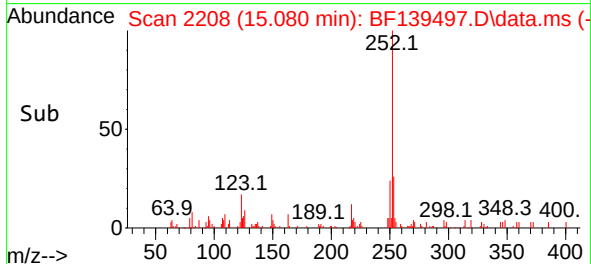
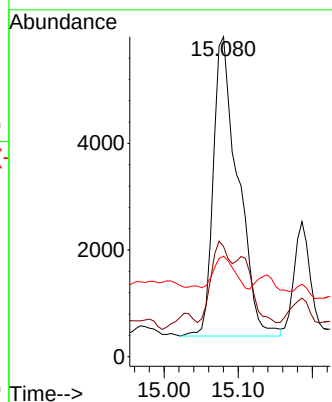
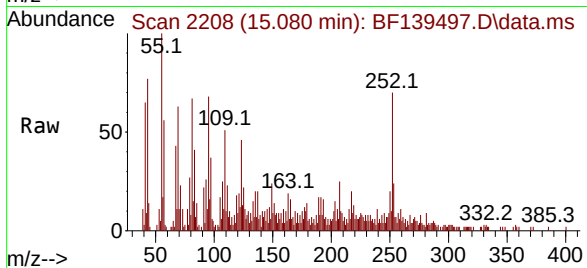
Tgt Ion:252 Resp: 12958

Ion Ratio Lower Upper

252 100

253 34.4 17.3 25.9#

125 31.4 5.9 8.9#



#92

Benzo(g,h,i)perylene

Concen: 2.118 ng

RT: 17.427 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF139497.D

Acq: 20 Sep 2024 12:50

Tgt Ion:276 Resp: 10641

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 22.1 13.0 19.6#

