

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140094.D
 Acq On : 28 Oct 2024 18:31
 Operator : RC/JU
 Sample : P4567-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 29 00:55:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

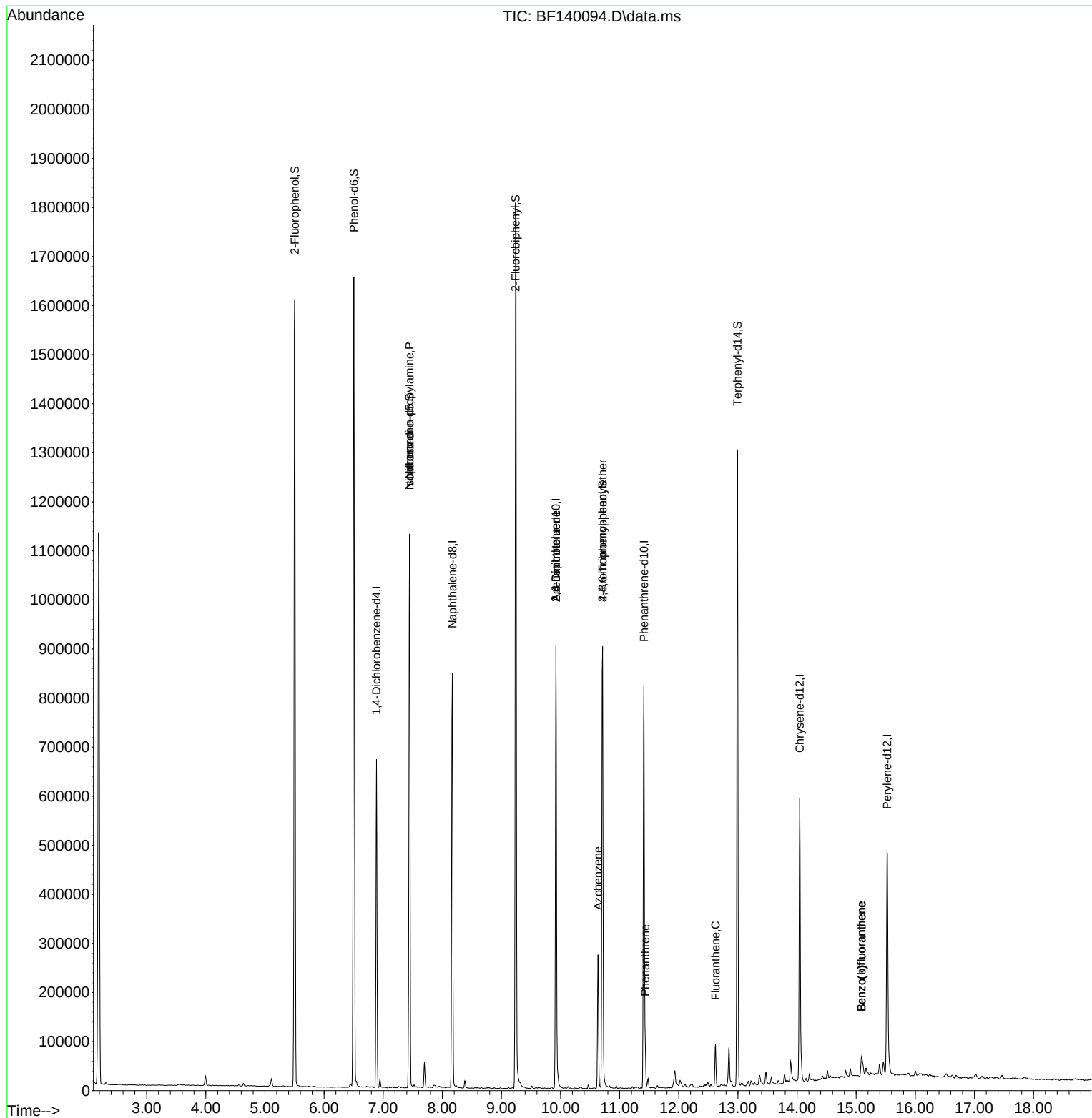
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	133695	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	512924	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	279317	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	435403	20.000	ng	0.00
76) Chrysene-d12	14.045	240	260745	20.000	ng	0.00
86) Perylene-d12	15.527	264	287923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	594694	69.635	ng	0.00
7) Phenol-d6	6.504	99	771836	69.781	ng	0.00
23) Nitrobenzene-d5	7.445	82	495282	53.517	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	156386	59.857	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	853586	50.506	ng	-0.01
79) Terphenyl-d14	12.992	244	631991	39.495	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.445	70	66590	9.926	ng	# 77
25) Isophorone	7.445	82	491514	27.982	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	35630	9.458	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	35947	7.760	ng	# 21
63) Azobenzene	10.633	77	68802	3.799	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9880	2.203	ng	# 1
71) Phenanthrene	11.433	178	44089	2.144	ng	99
75) Fluoranthene	12.622	202	50241	2.416	ng	99
88) Benzo(b)fluoranthene	15.092	252	35412	2.019	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	35412	2.341	ng	# 95

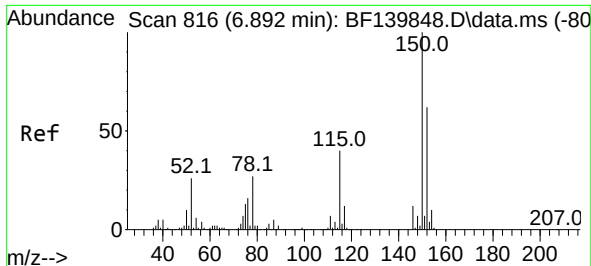
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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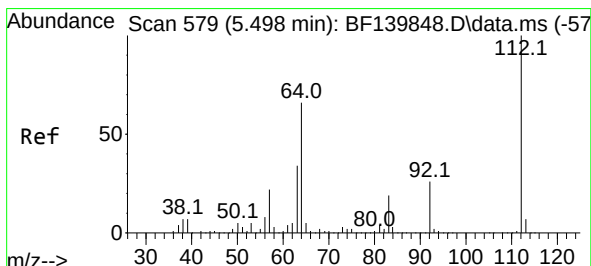
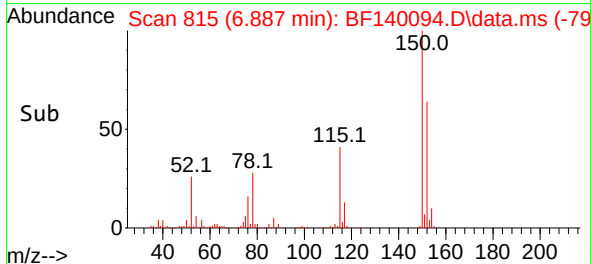
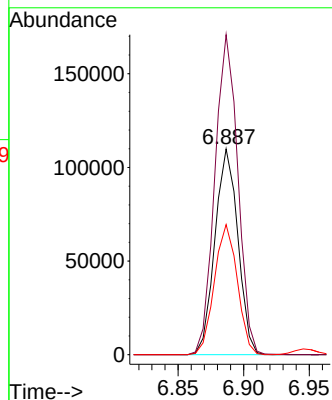
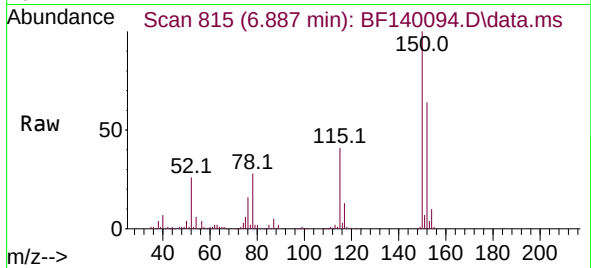




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

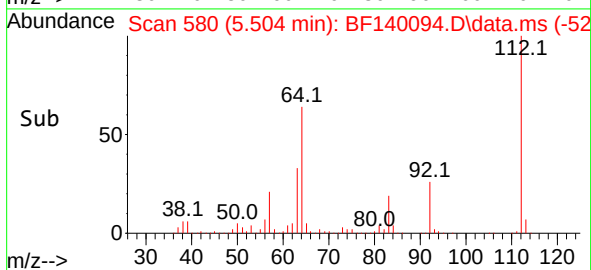
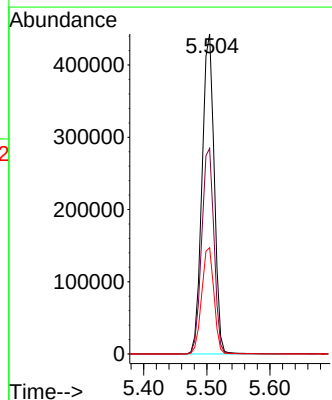
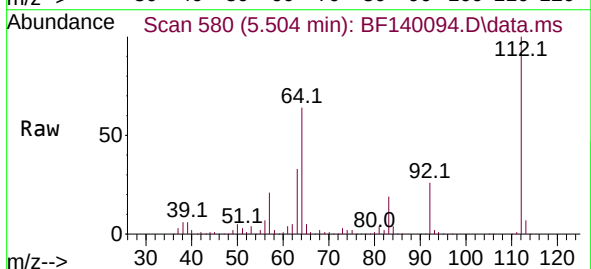
Instrument :
BNA_F
ClientSampleId :
WC-1

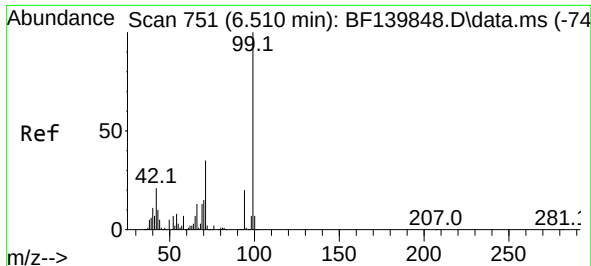
Tgt Ion:152 Resp: 133695
Ion Ratio Lower Upper
152 100
150 155.5 130.2 195.2
115 63.2 51.4 77.2



#5
2-Fluorophenol
Concen: 69.635 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

Tgt Ion:112 Resp: 594694
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 33.2 27.0 40.4

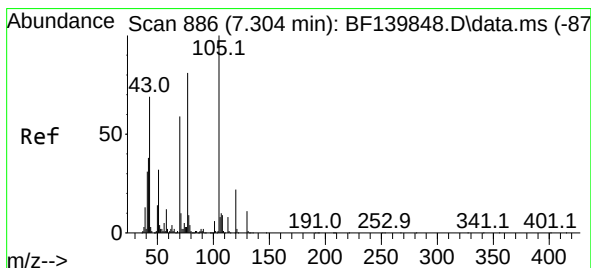
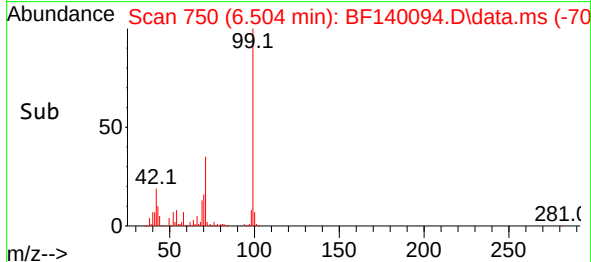
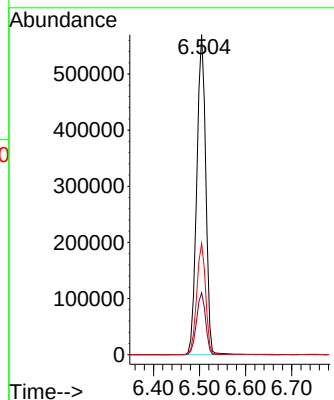
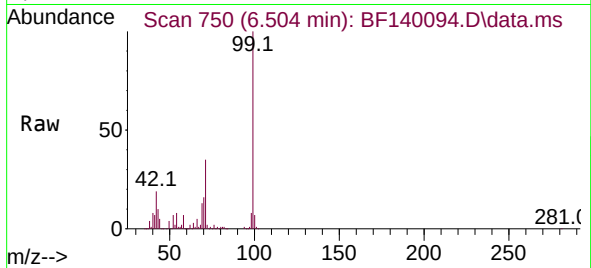




#7
Phenol-d6
Concen: 69.781 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

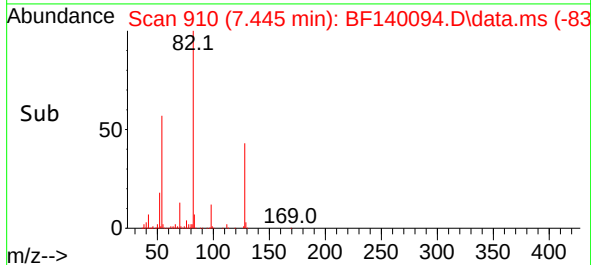
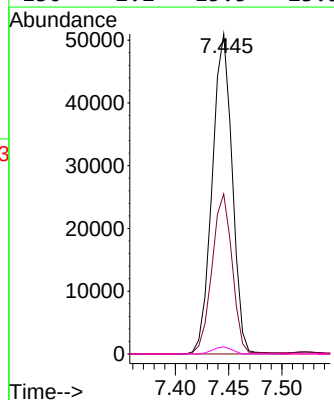
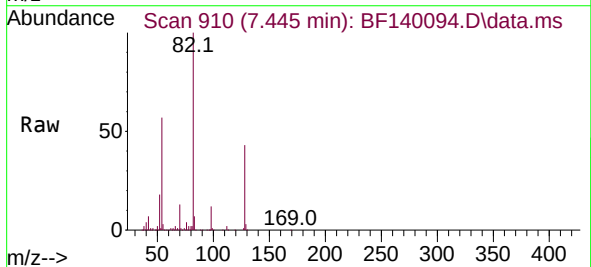
Instrument :
BNA_F
ClientSampleId :
WC-1

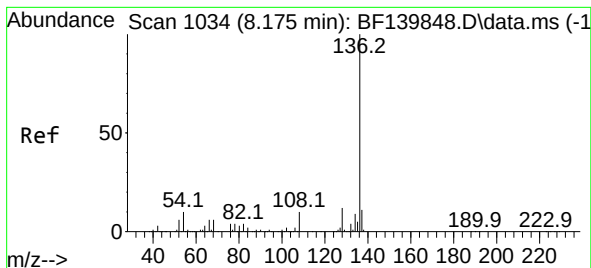
Tgt Ion: 99 Resp: 771836
Ion Ratio Lower Upper
99 100
42 19.3 16.7 25.1
71 34.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.926 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

Tgt Ion: 70 Resp: 66590
Ion Ratio Lower Upper
70 100
42 50.0 51.5 77.3#
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:136 Resp: 512924

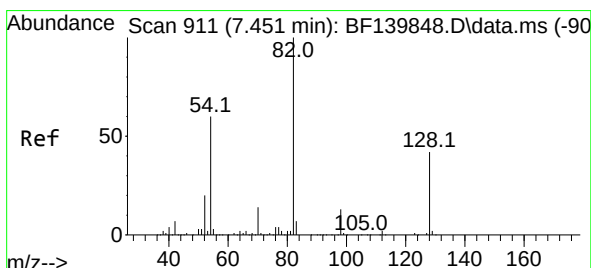
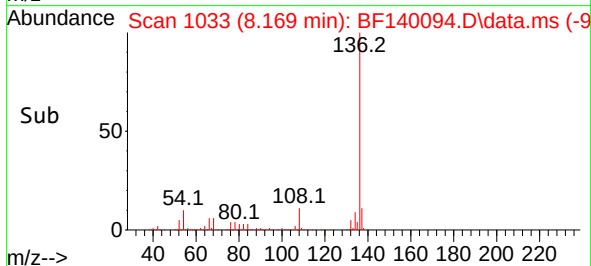
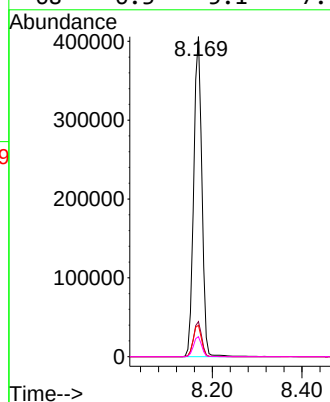
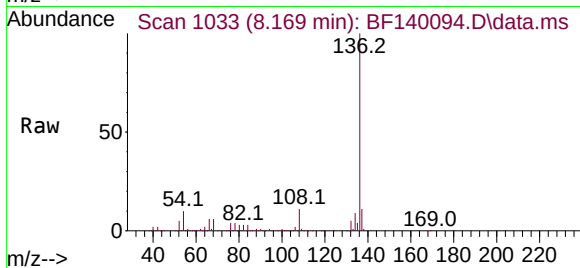
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.8 8.4 12.6

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 53.517 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

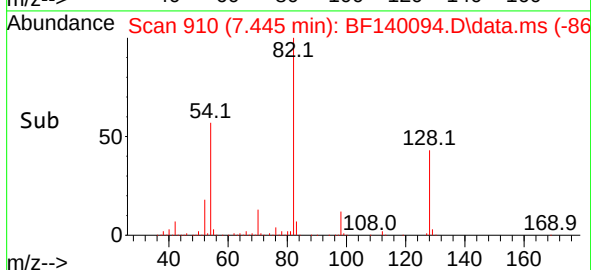
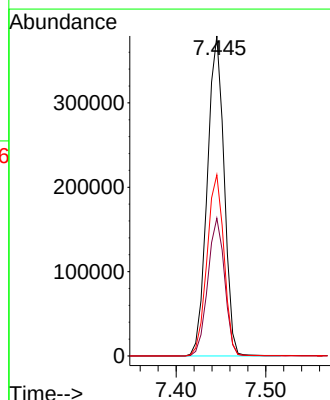
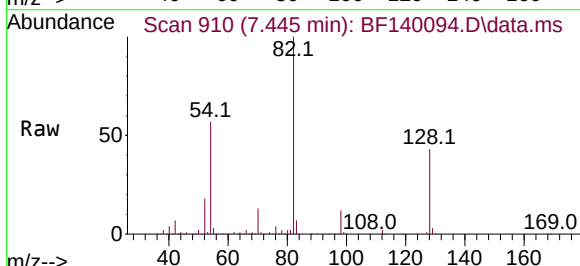
Tgt Ion: 82 Resp: 495282

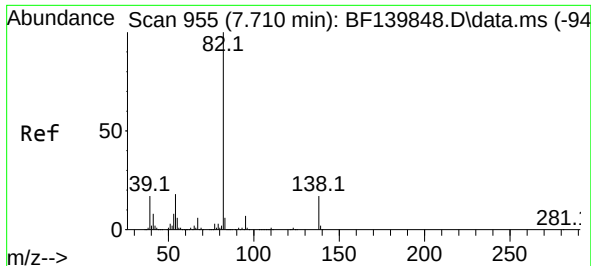
Ion Ratio Lower Upper

82 100

128 43.1 33.4 50.0

54 56.6 47.8 71.8

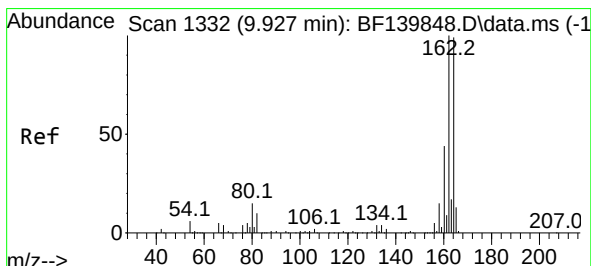
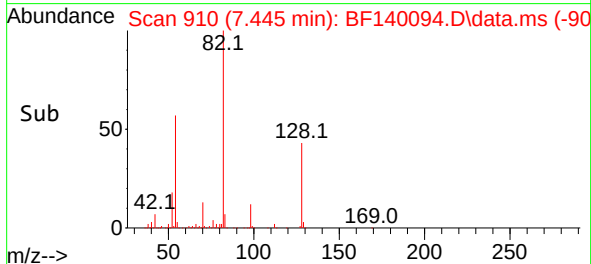
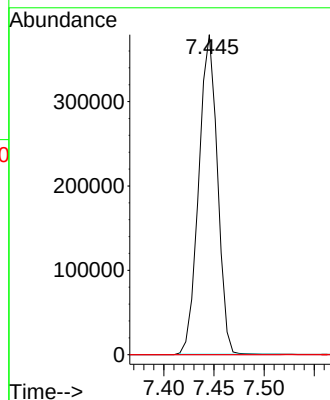
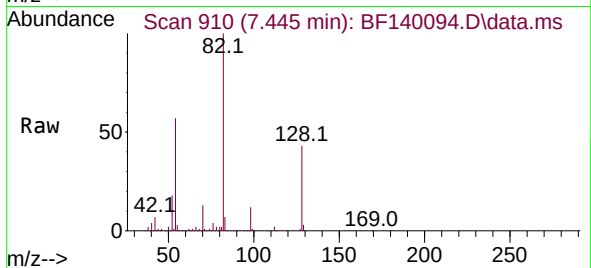




#25
Isophorone
Concen: 27.982 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

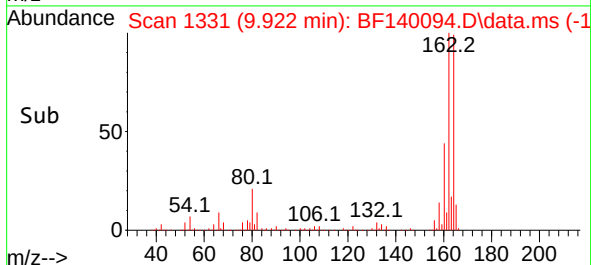
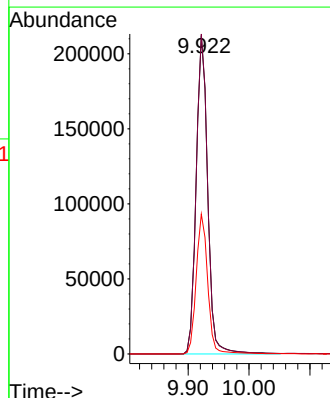
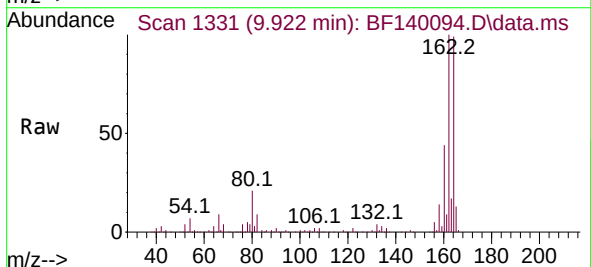
Instrument :
BNA_F
ClientSampleId :
WC-1

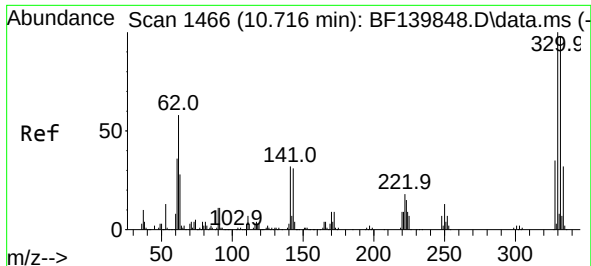
Tgt Ion: 82 Resp: 491514
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

Tgt Ion: 164 Resp: 279317
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 43.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 59.857 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

Instrument :

BNA_F

ClientSampleId :

WC-1

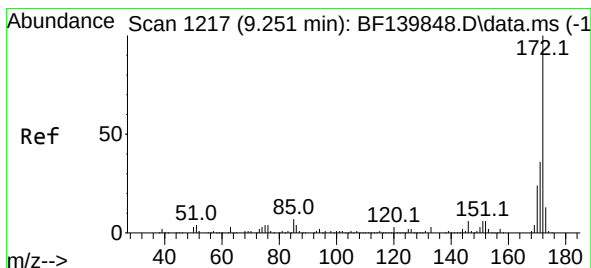
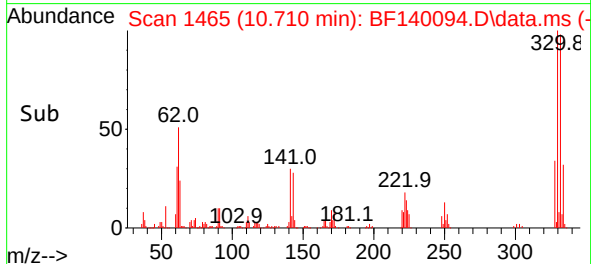
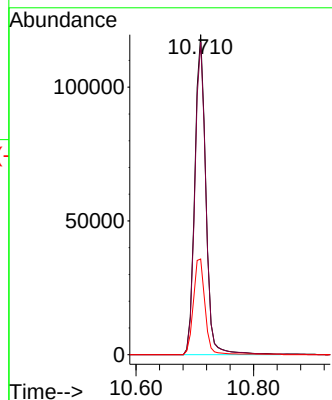
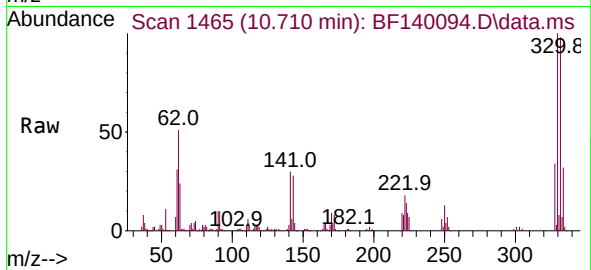
Tgt Ion:330 Resp: 156386

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

141 31.7 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 50.506 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

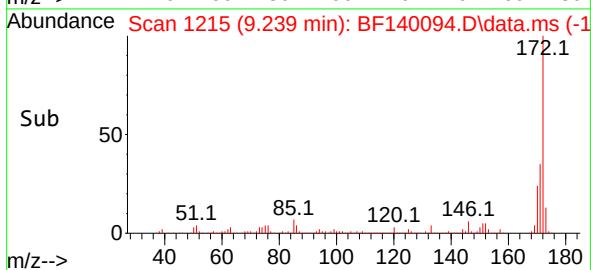
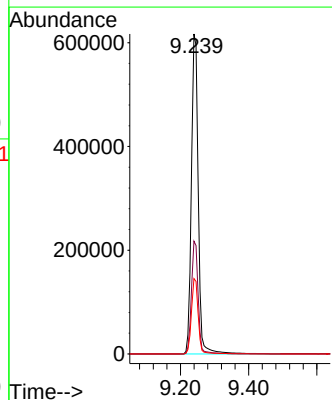
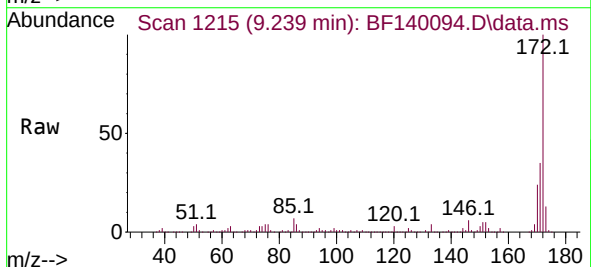
Tgt Ion:172 Resp: 853586

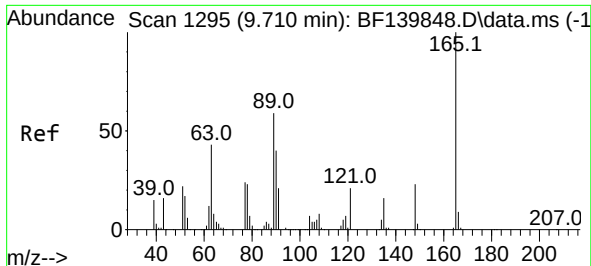
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.5 19.1 28.7

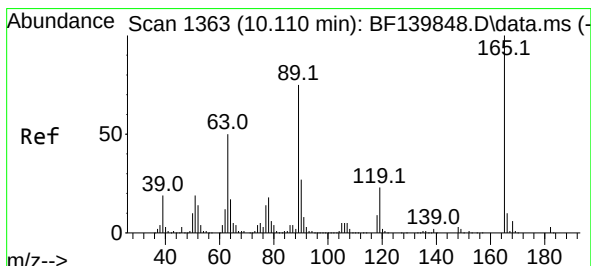
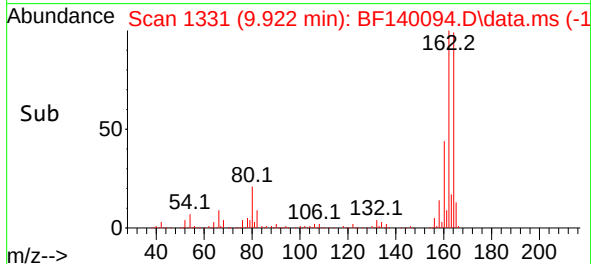
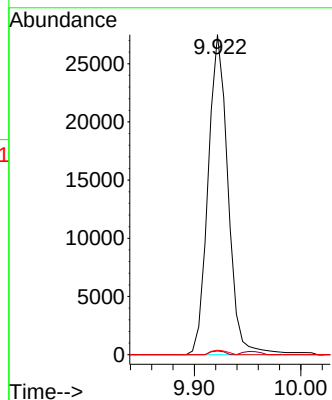
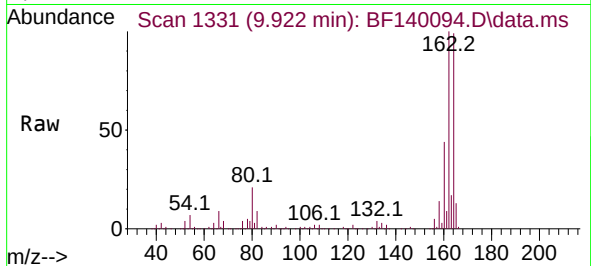




#51
2,6-Dinitrotoluene
Concen: 9.458 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

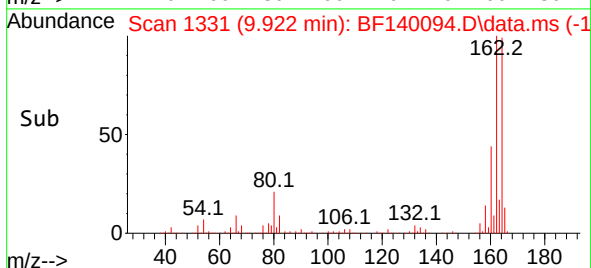
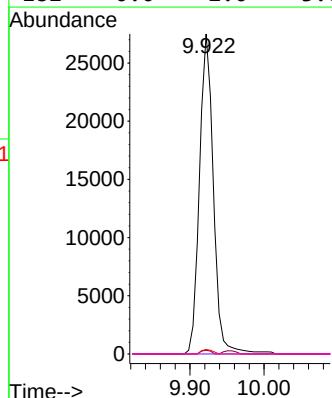
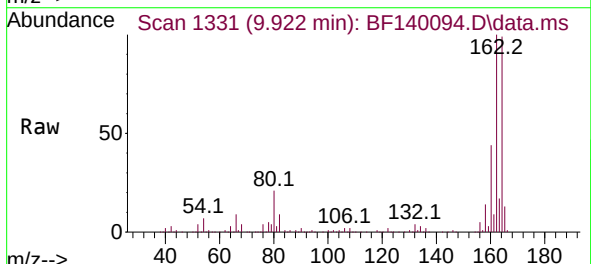
Instrument :
BNA_F
ClientSampleId :
WC-1

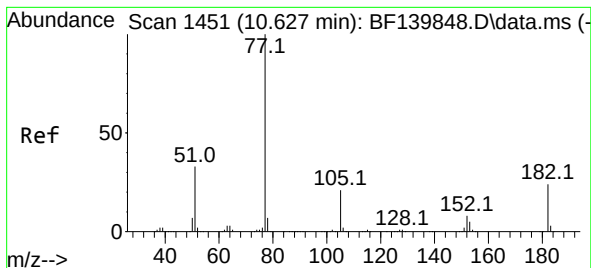
Tgt Ion:165 Resp: 35630
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.4 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.760 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

Tgt Ion:165 Resp: 35947
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.4 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.799 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 77 Resp: 68802

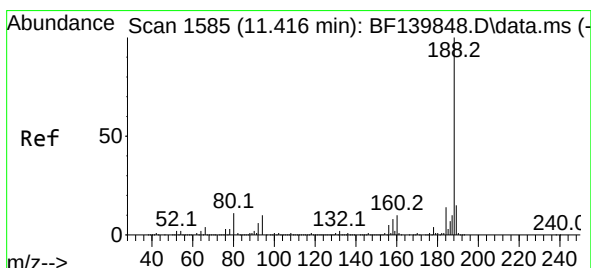
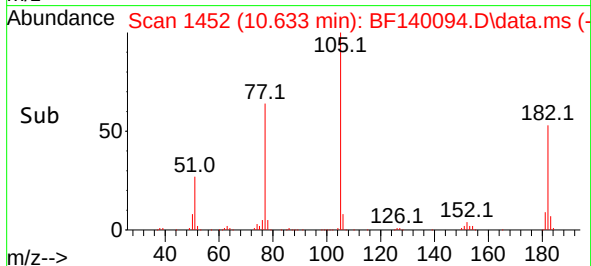
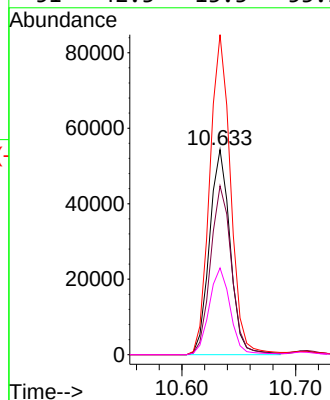
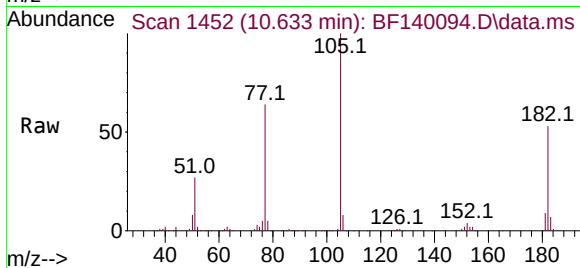
Ion Ratio Lower Upper

77 100

182 82.3 3.3 43.3#

105 156.0 1.2 41.2#

51 42.3 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

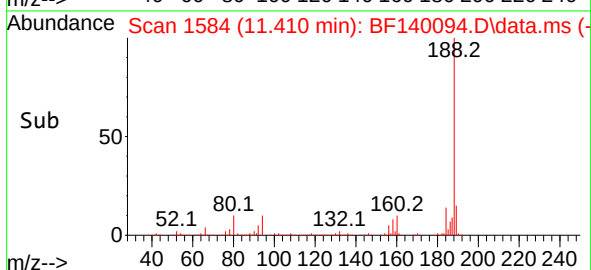
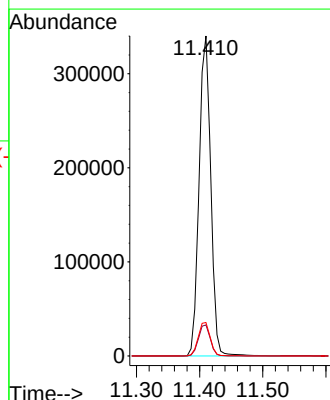
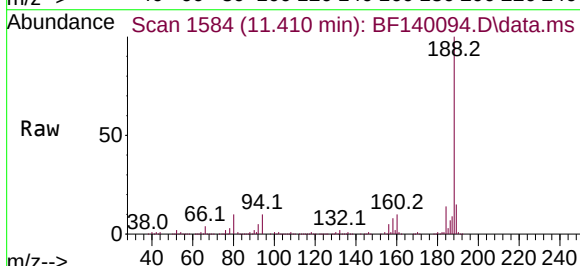
Tgt Ion:188 Resp: 435403

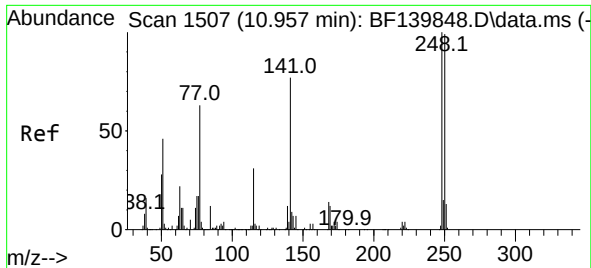
Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

80 10.4 9.0 13.4

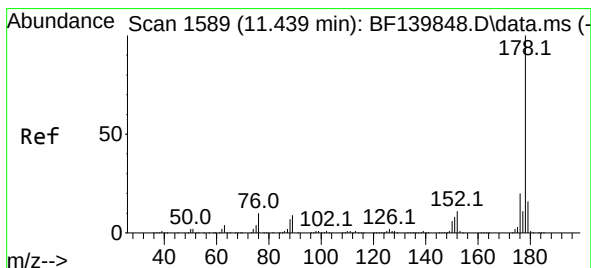
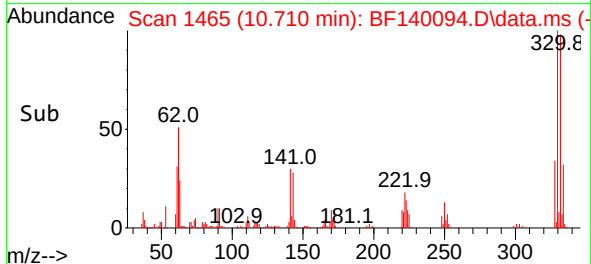
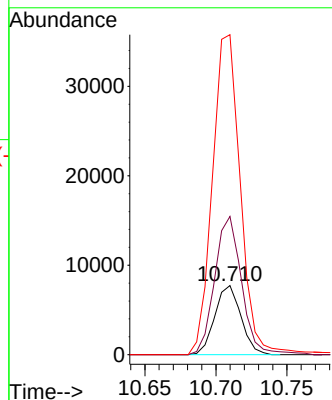
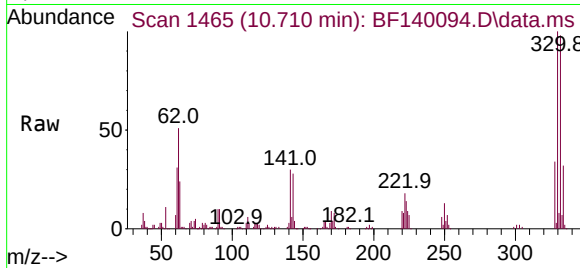




#67
4-Bromophenyl-phenylether
Concen: 2.203 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

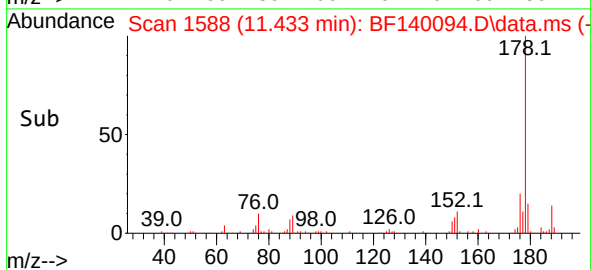
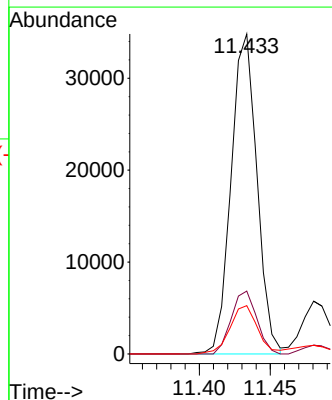
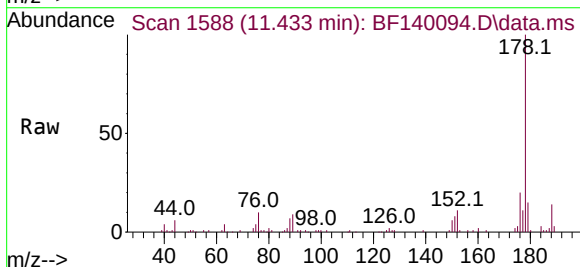
Instrument :
BNA_F
ClientSampleId :
WC-1

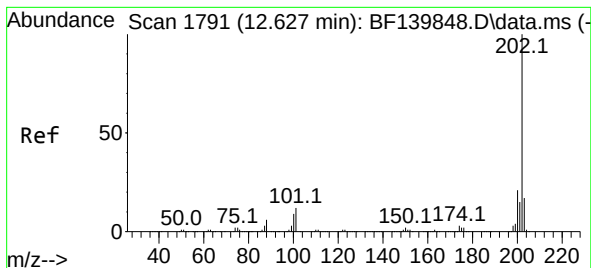
Tgt Ion:248 Resp: 9880
Ion Ratio Lower Upper
248 100
250 200.0 79.0 118.6#
141 463.0 61.7 92.5#



#71
Phenanthrene
Concen: 2.144 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

Tgt Ion:178 Resp: 44089
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.1 12.6 18.8

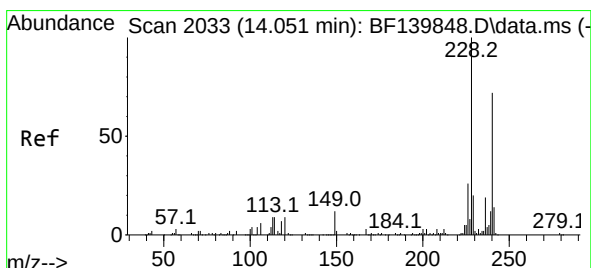
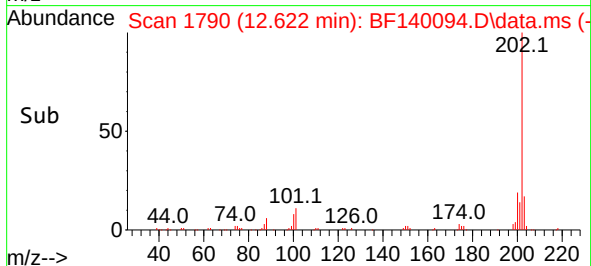
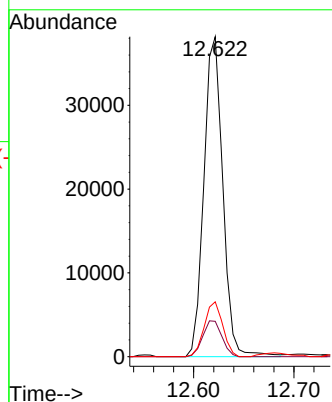
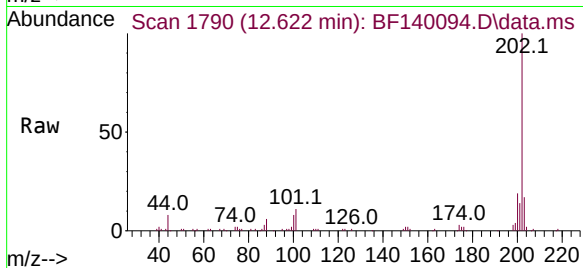




#75
Fluoranthene
Concen: 2.416 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

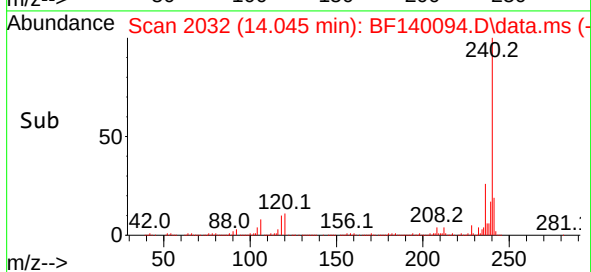
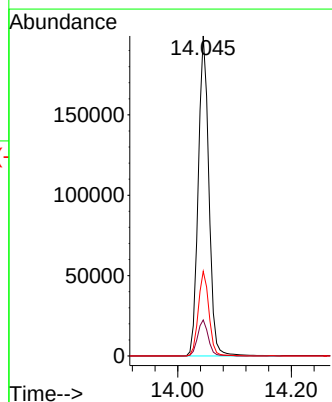
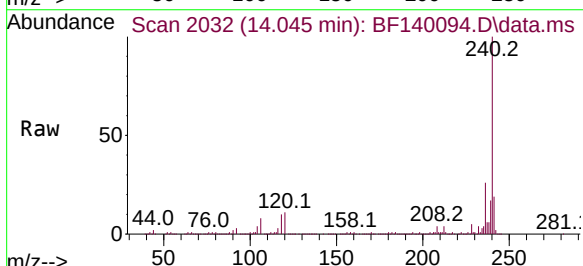
Instrument :
BNA_F
ClientSampleId :
WC-1

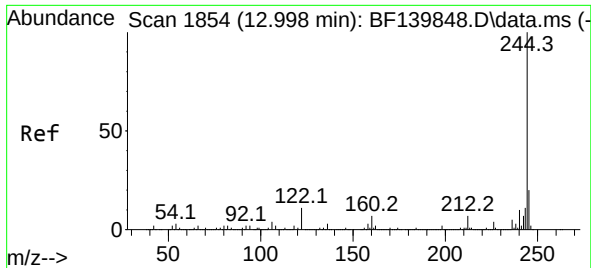
Tgt Ion:202 Resp: 50241
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.9
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140094.D
Acq: 28 Oct 2024 18:31

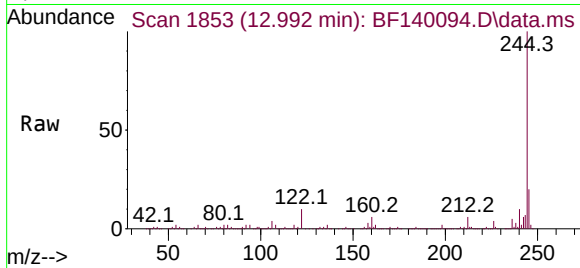
Tgt Ion:240 Resp: 260745
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 26.5 20.9 31.3



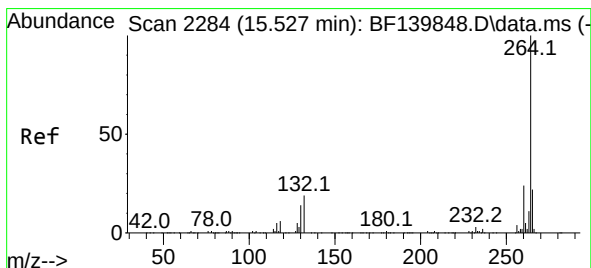
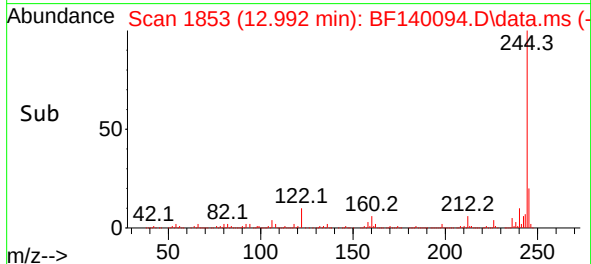
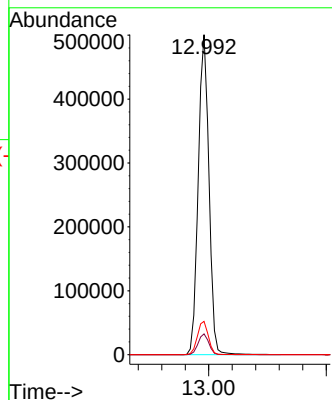


#79
 Terphenyl-d14
 Concen: 39.495 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140094.D
 Acq: 28 Oct 2024 18:31

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

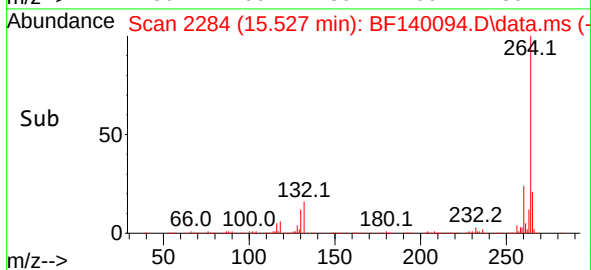
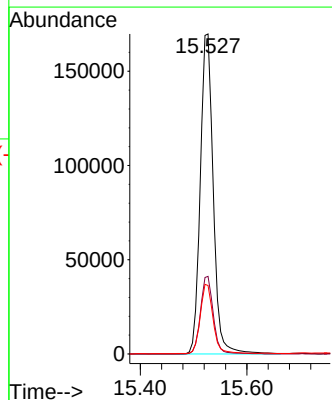
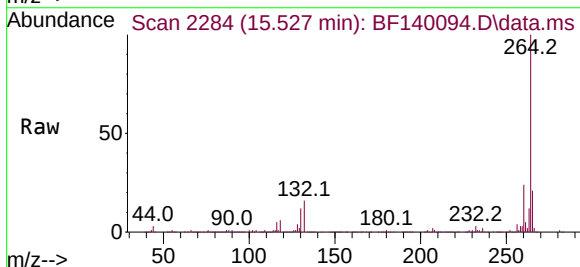


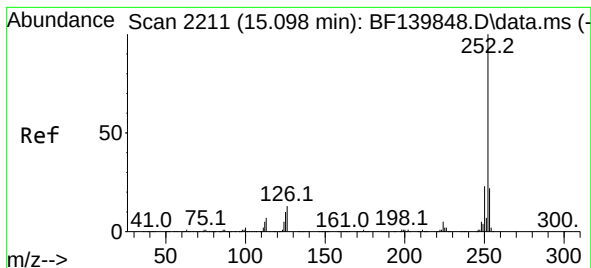
Tgt Ion:244 Resp: 631991
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 10.4 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF140094.D
 Acq: 28 Oct 2024 18:31

Tgt Ion:264 Resp: 287923
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.4 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.019 ng

RT: 15.092 min Scan# 2110

Delta R.T. -0.006 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

Instrument :

BNA_F

ClientSampleId :

WC-1

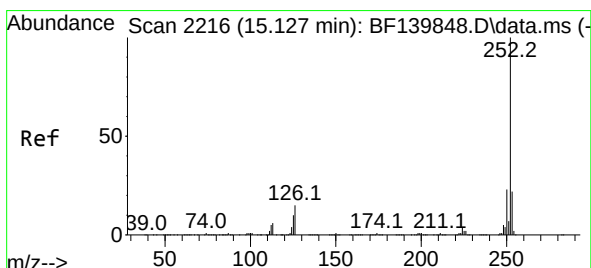
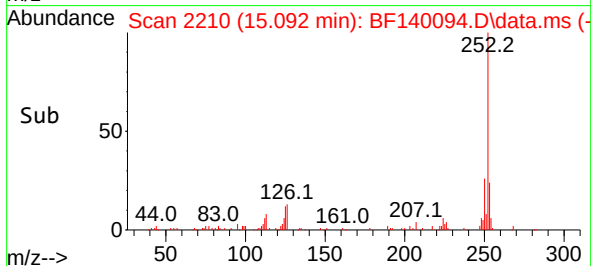
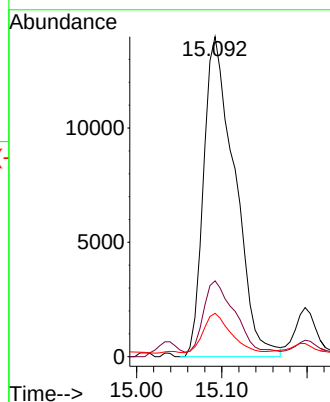
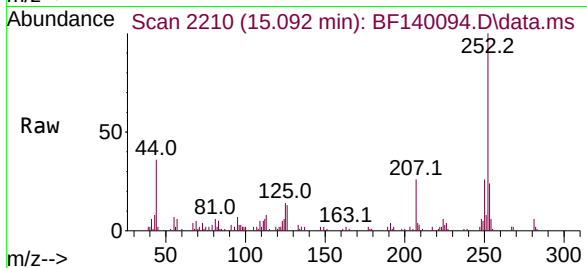
Tgt Ion:252 Resp: 35412

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 13.5 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 2.341 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF140094.D

Acq: 28 Oct 2024 18:31

Tgt Ion:252 Resp: 35412

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 13.5 7.9 11.9#

