

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140195.D
 Acq On : 31 Oct 2024 17:54
 Operator : RC/JU
 Sample : P4611-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Nov 01 01:14:33 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)

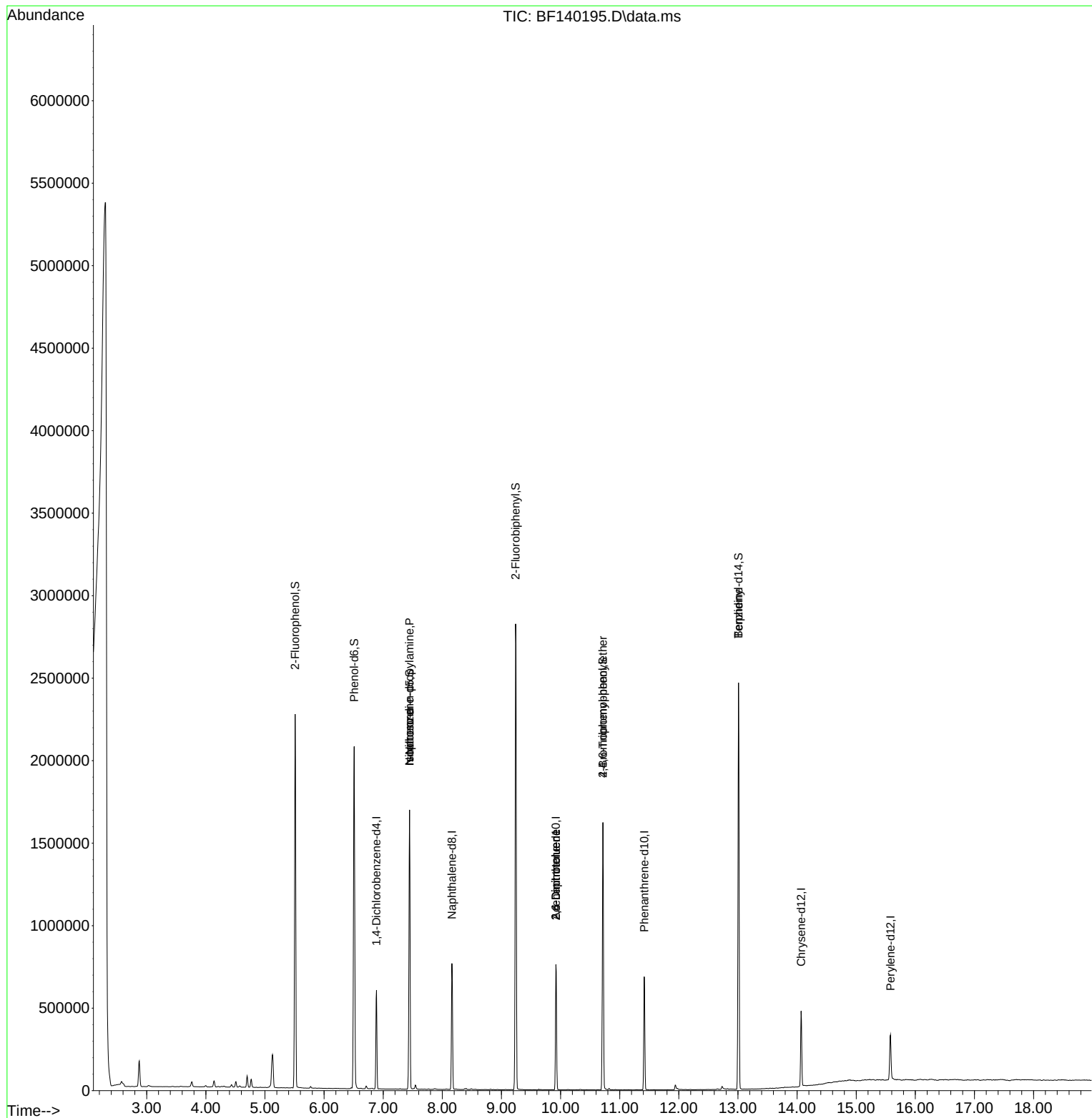
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	120127	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	453904	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	226882	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	356242	20.000	ng	0.00
76) Chrysene-d12	14.068	240	216253	20.000	ng	0.02
86) Perylene-d12	15.580	264	167821	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	827266	107.809	ng	0.01
7) Phenol-d6	6.510	99	982178	98.827	ng	0.00
23) Nitrobenzene-d5	7.445	82	763695	93.250	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	269600	127.039	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1285598	93.648	ng	-0.01
79) Terphenyl-d14	13.010	244	1239801	93.420	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	103942	17.244	ng	# 77
25) Isophorone	7.445	82	761975	49.020	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	29083	9.505	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29083	7.729	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	18099	4.932	ng	# 1
77) Benzidine	13.010	184	16288	4.581	ng	# 93

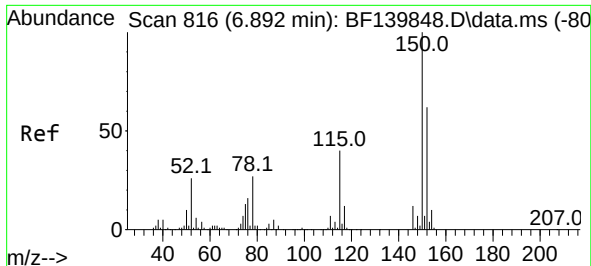
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

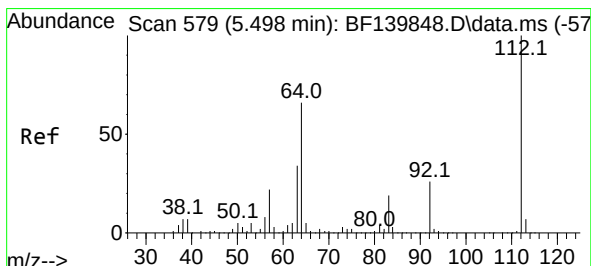
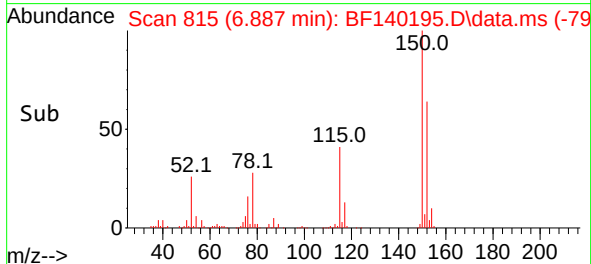
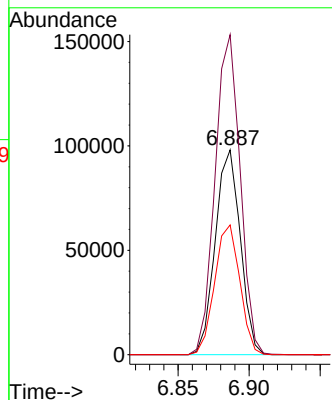
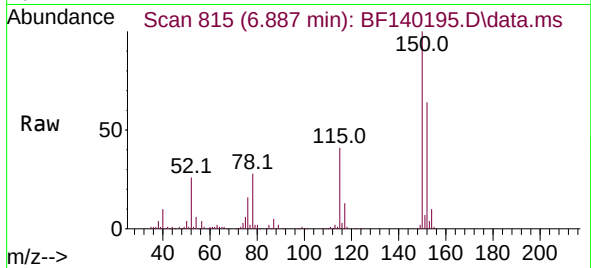




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

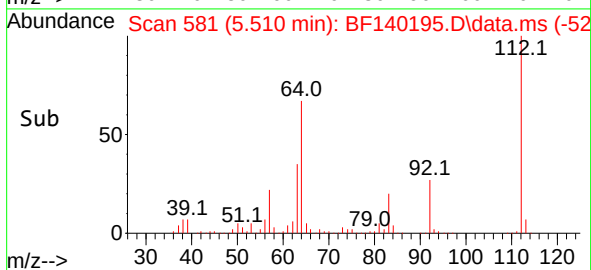
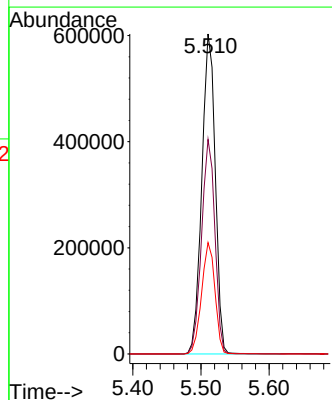
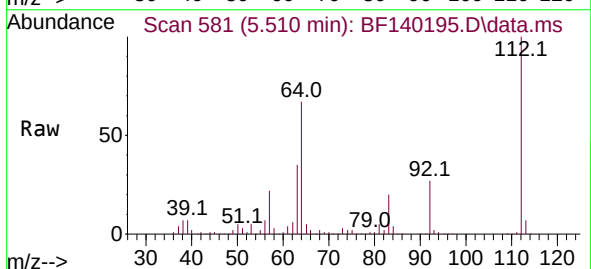
Instrument :
BNA_F
ClientSampleId :
TP-5

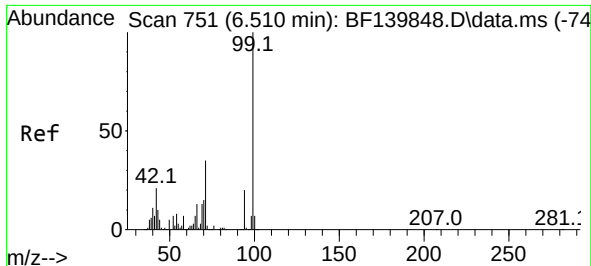
Tgt Ion:152 Resp: 120127
Ion Ratio Lower Upper
152 100
150 156.2 130.2 195.2
115 63.3 51.4 77.2



#5
2-Fluorophenol
Concen: 107.809 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

Tgt Ion:112 Resp: 827266
Ion Ratio Lower Upper
112 100
64 67.1 53.0 79.6
63 34.8 27.0 40.4

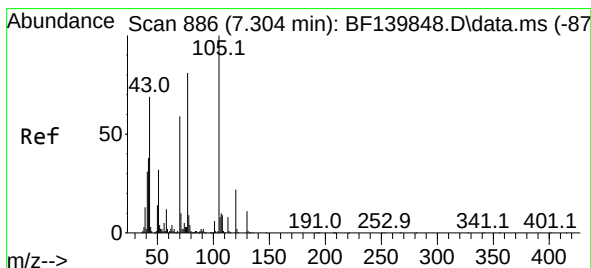
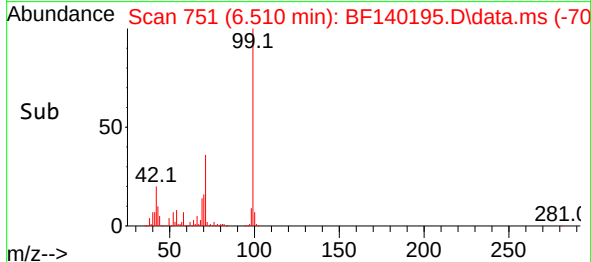
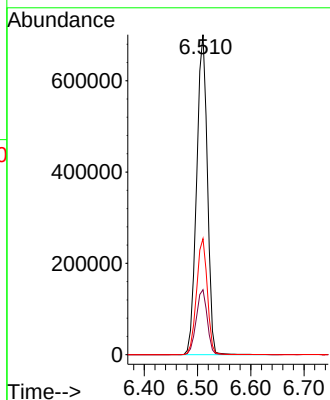
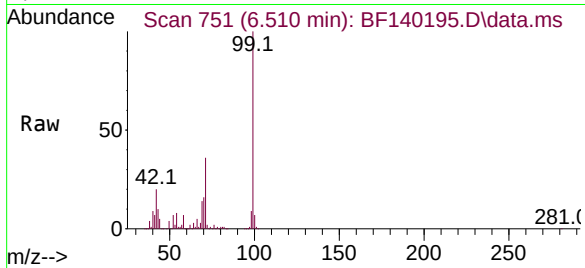




#7
Phenol-d6
Concen: 98.827 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

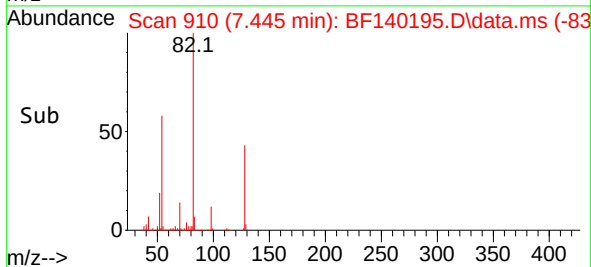
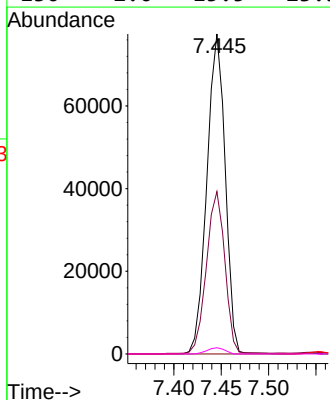
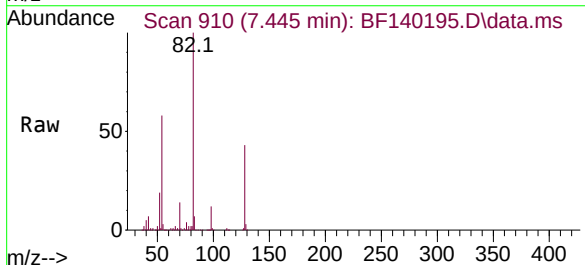
Instrument :
BNA_F
ClientSampleId :
TP-5

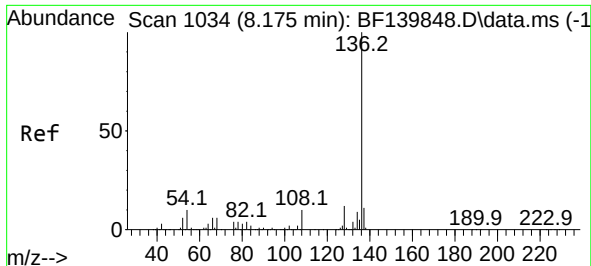
Tgt Ion:	99	Resp:	982178
Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.7	25.1
71	36.3	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.244 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

Tgt Ion:	70	Resp:	103942
Ion	Ratio	Lower	Upper
70	100		
42	50.8	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#

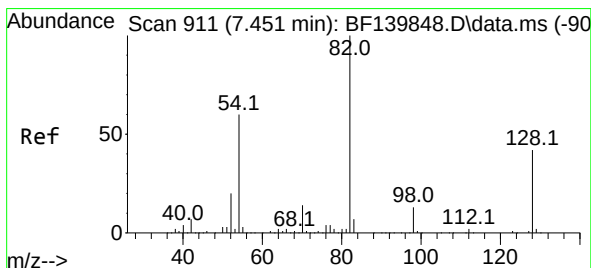
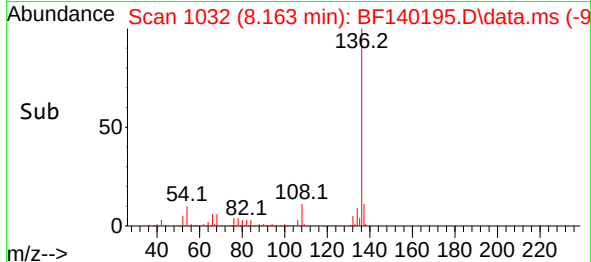
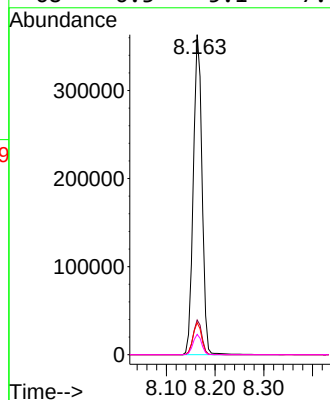
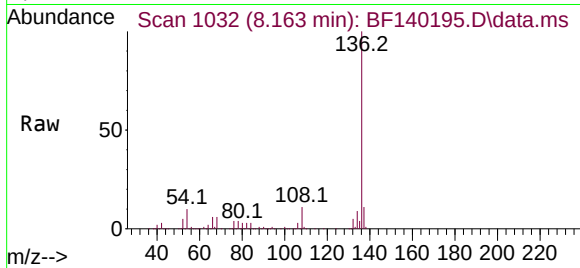




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

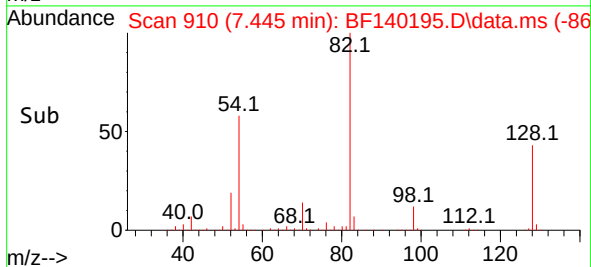
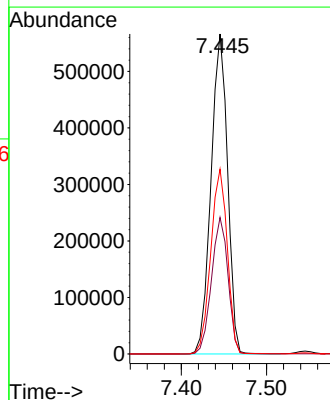
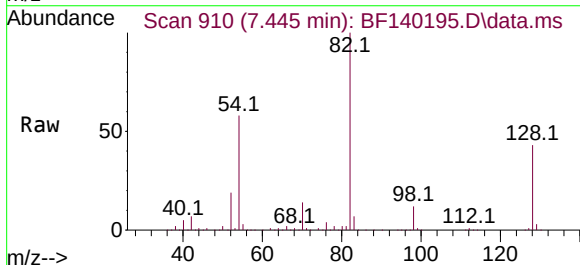
Instrument :
BNA_F
ClientSampleId :
TP-5

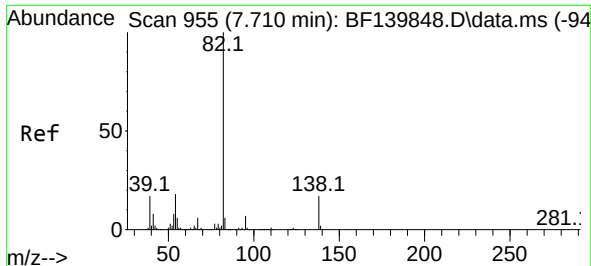
Tgt	Ion:136	Resp:	453904
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.0	8.4	12.6
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 93.250 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

Tgt Ion: 82	Resp: 763695
Ion Ratio	Lower Upper
82 100	
128 42.6	33.4 50.0
54 57.7	47.8 71.8

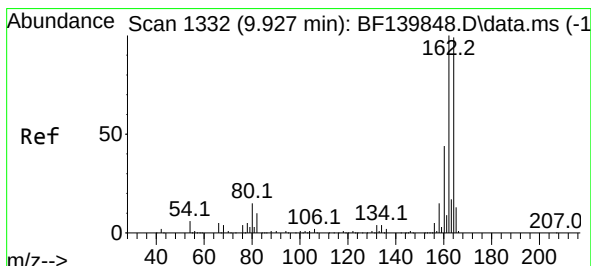
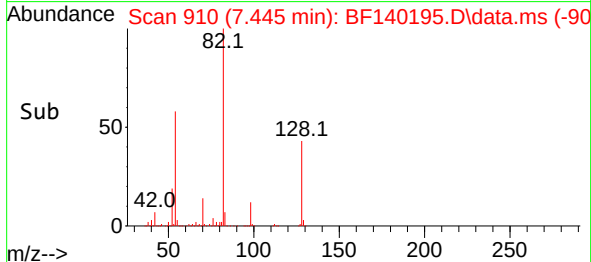
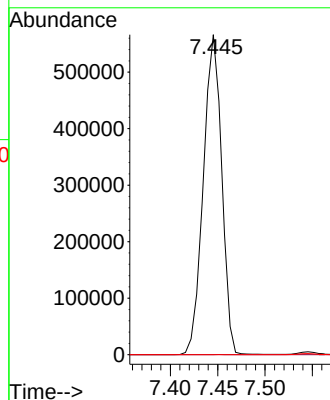
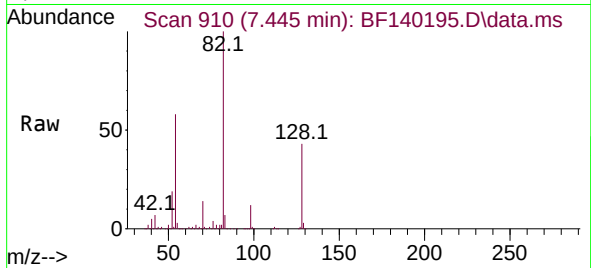




#25
Isophorone
Concen: 49.020 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

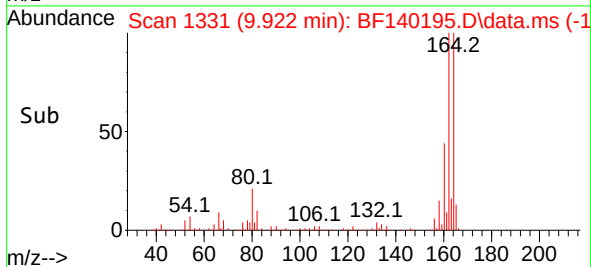
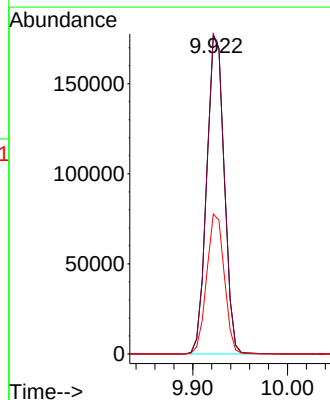
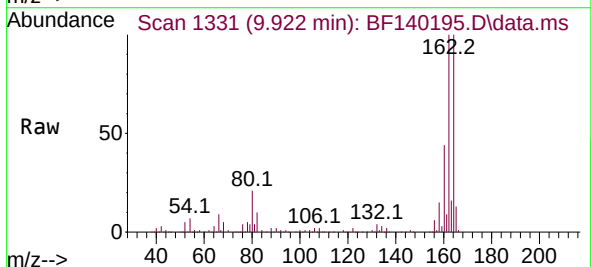
Instrument :
BNA_F
ClientSampleId :
TP-5

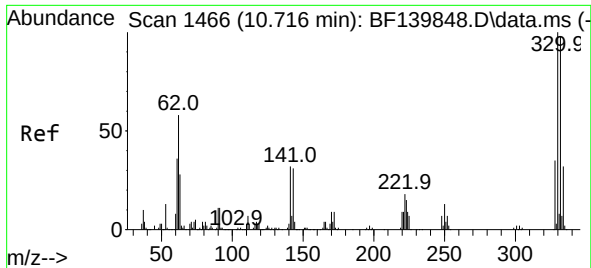
Tgt Ion: 82 Resp: 761975
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

Tgt Ion:164 Resp: 226882
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 43.9 35.4 53.0

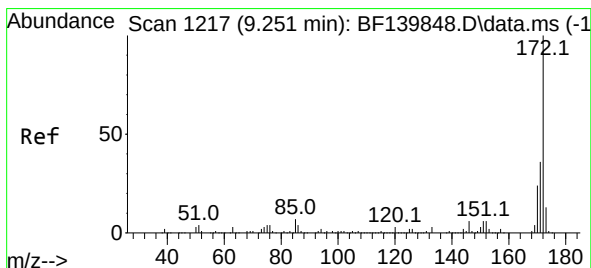
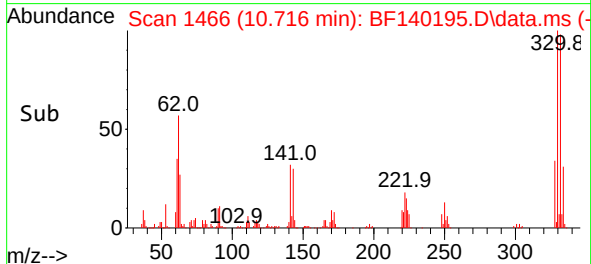
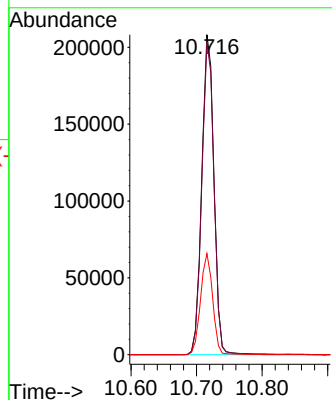
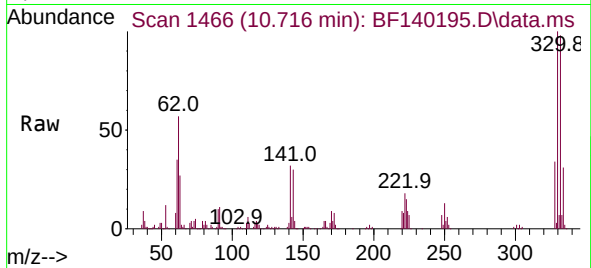




#42
2,4,6-Tribromophenol
Concen: 127.039 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

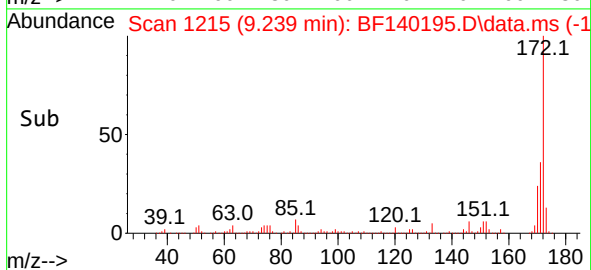
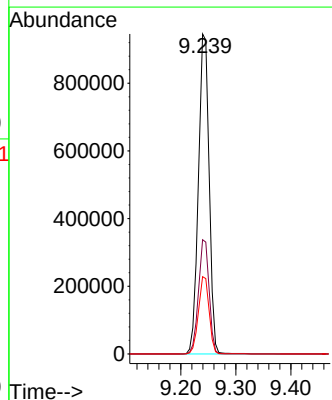
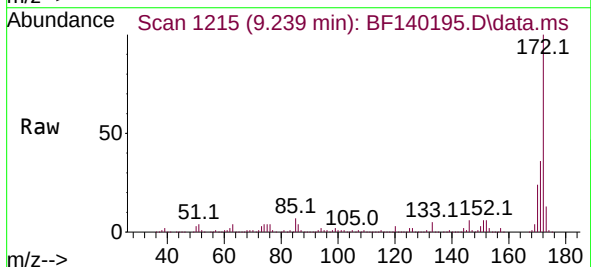
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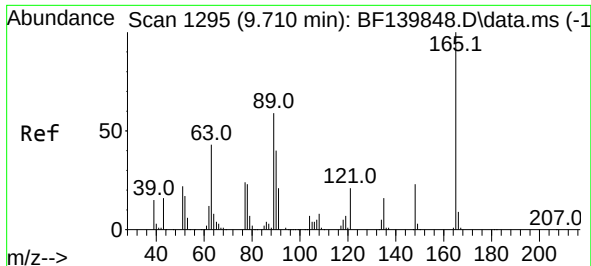
Tgt Ion:330 Resp: 269600
Ion Ratio Lower Upper
330 100
332 97.7 78.1 117.1
141 31.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 93.648 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

Tgt Ion:172 Resp: 1285598
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.2 19.1 28.7

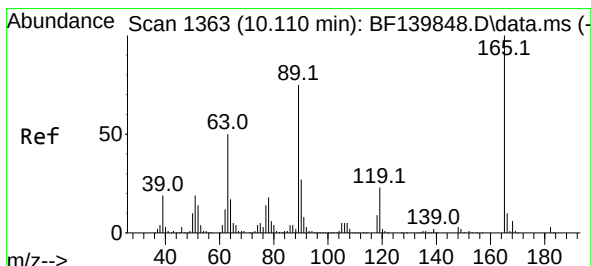
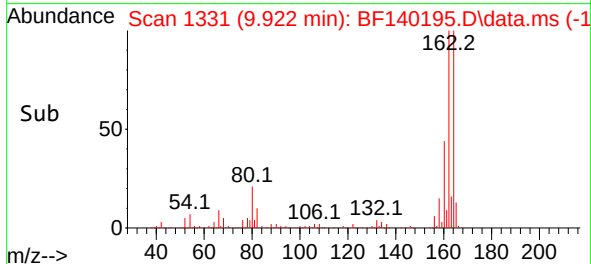
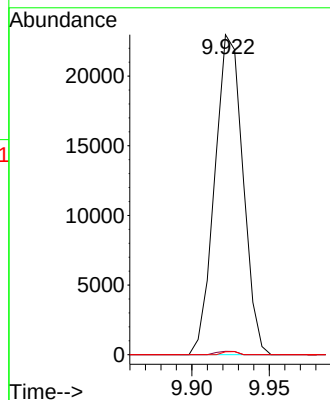
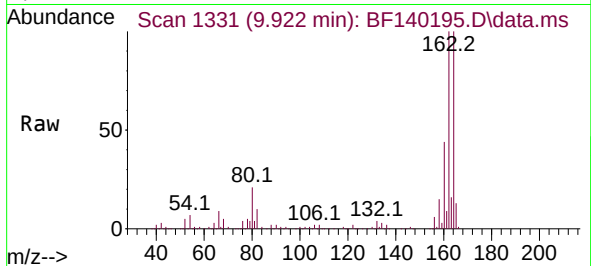




#51
2,6-Dinitrotoluene
Concen: 9.505 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

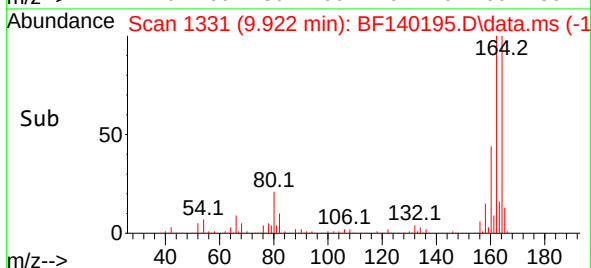
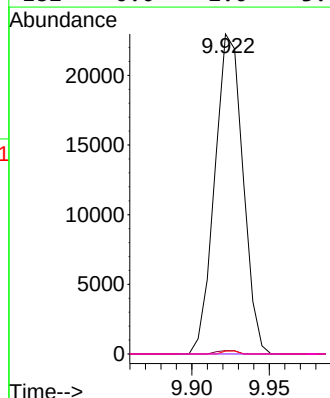
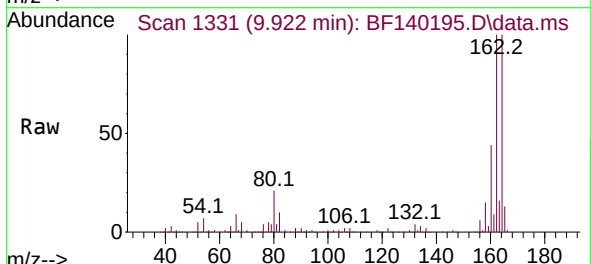
Instrument :
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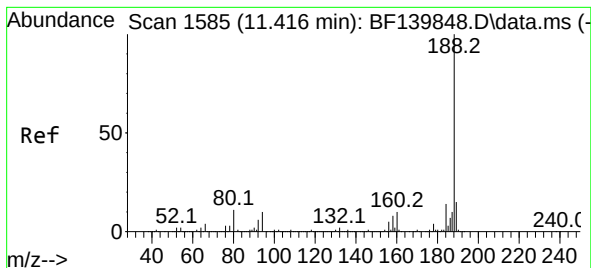
Tgt Ion:165 Resp: 29083
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 0.9 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.729 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140195.D
Acq: 31 Oct 2024 17:54

Tgt Ion:165 Resp: 29083
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 0.9 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140195.D

Acq: 31 Oct 2024 17:54

Instrument :

BNA_F

ClientSampleId :

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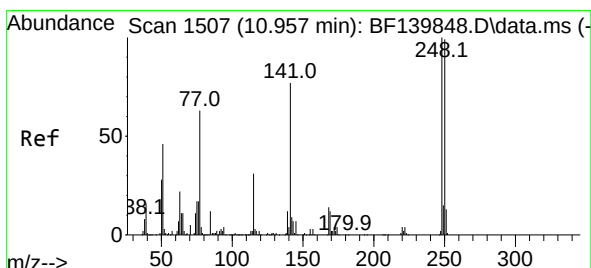
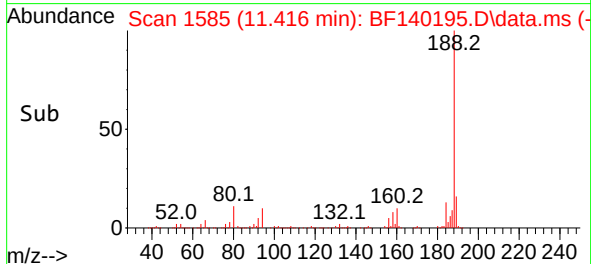
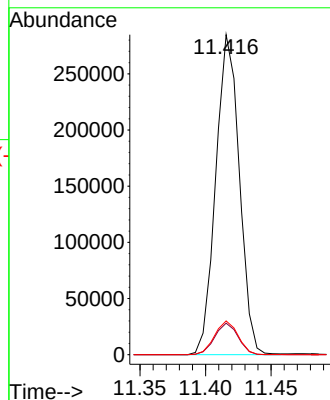
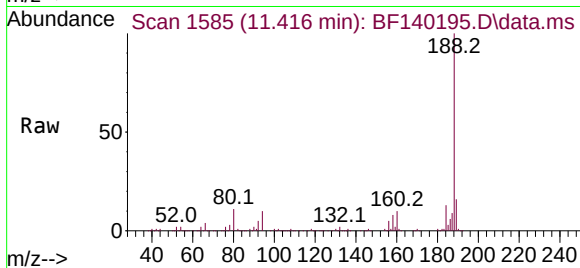
Tgt Ion:188 Resp: 356242

Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.5 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.932 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140195.D

Acq: 31 Oct 2024 17:54

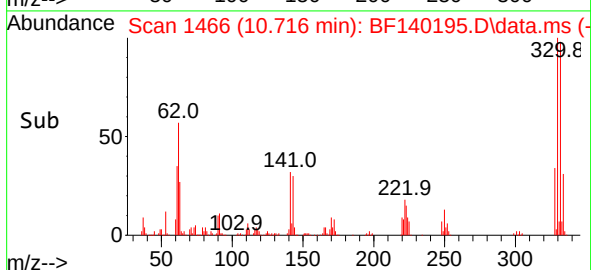
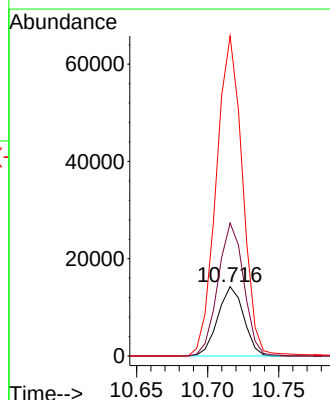
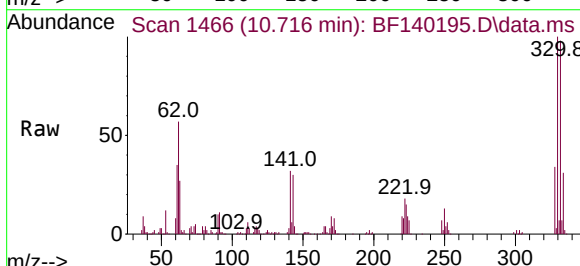
Tgt Ion:248 Resp: 18099

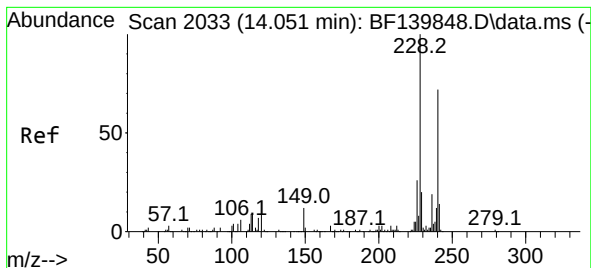
Ion Ratio Lower Upper

248 100

250 191.7 79.0 118.6#

141 461.4 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140195.D

Acq: 31 Oct 2024 17:54

Instrument :

BNA_F

ClientSampleId :

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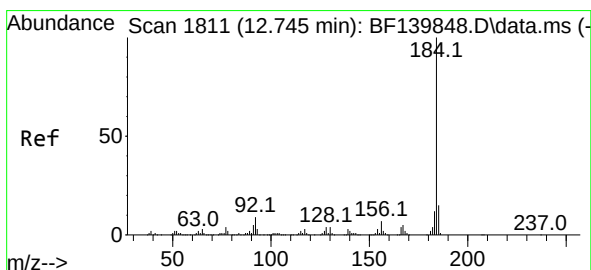
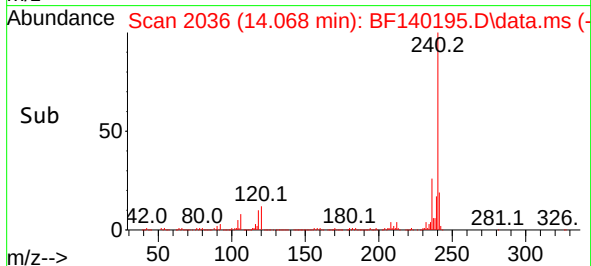
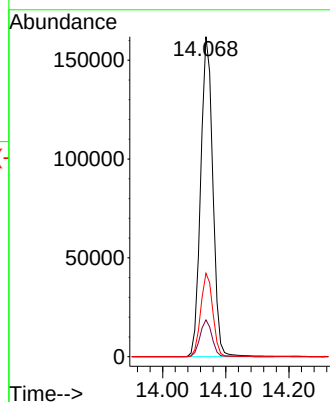
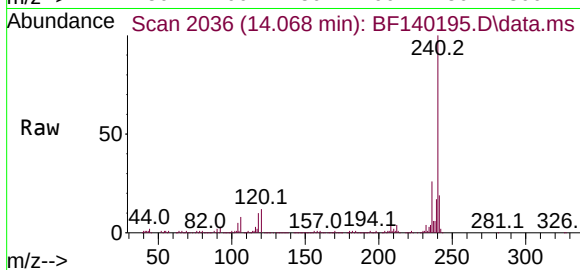
Tgt Ion:240 Resp: 216253

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 26.1 20.9 31.3



#77

Benzidine

Concen: 4.581 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.265 min

Lab File: BF140195.D

Acq: 31 Oct 2024 17:54

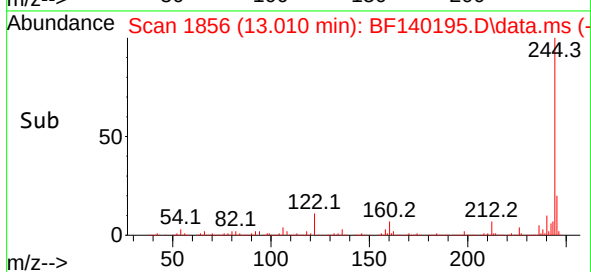
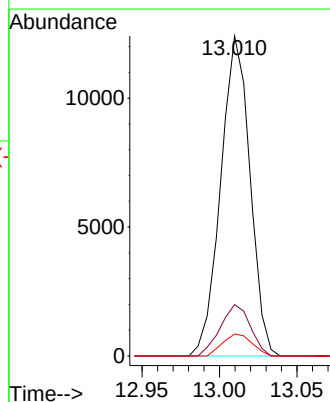
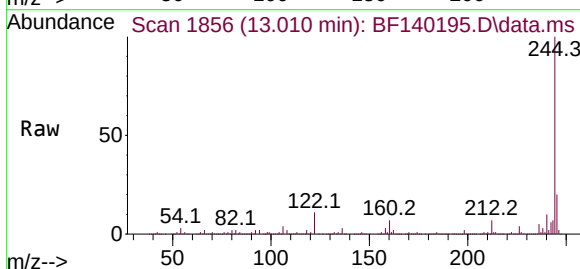
Tgt Ion:184 Resp: 16288

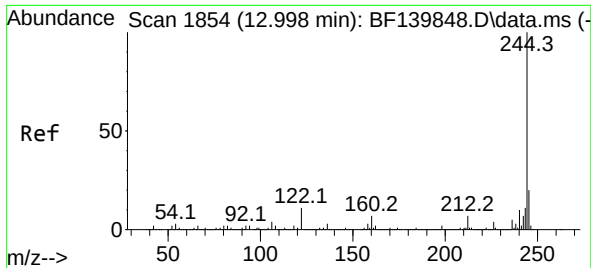
Ion Ratio Lower Upper

184 100

185 16.0 12.0 18.0

183 6.9 9.4 14.2#

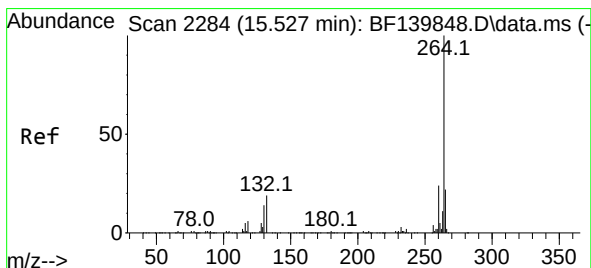
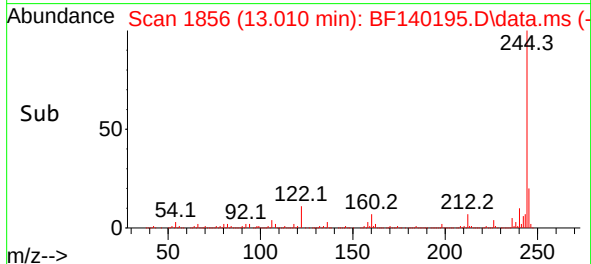
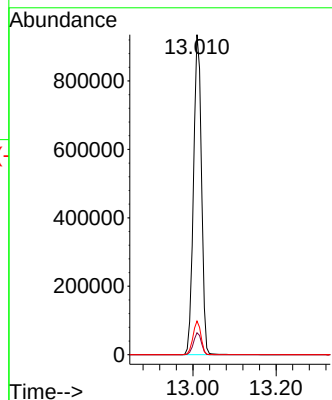
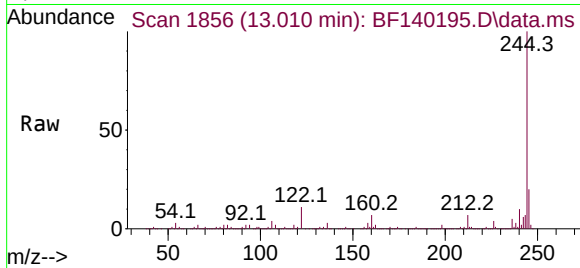




#79
 Terphenyl-d14
 Concen: 93.420 ng
 RT: 13.010 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF140195.D
 Acq: 31 Oct 2024 17:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:244 Resp: 1239801
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 10.5 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.580 min Scan# 2293
 Delta R.T. 0.053 min
 Lab File: BF140195.D
 Acq: 31 Oct 2024 17:54

Tgt Ion:264 Resp: 167821
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.2
 265 21.3 17.4 26.0

