

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142745.D
 Acq On : 11 Jun 2025 20:17
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

Quant Time: Jun 12 01:48:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

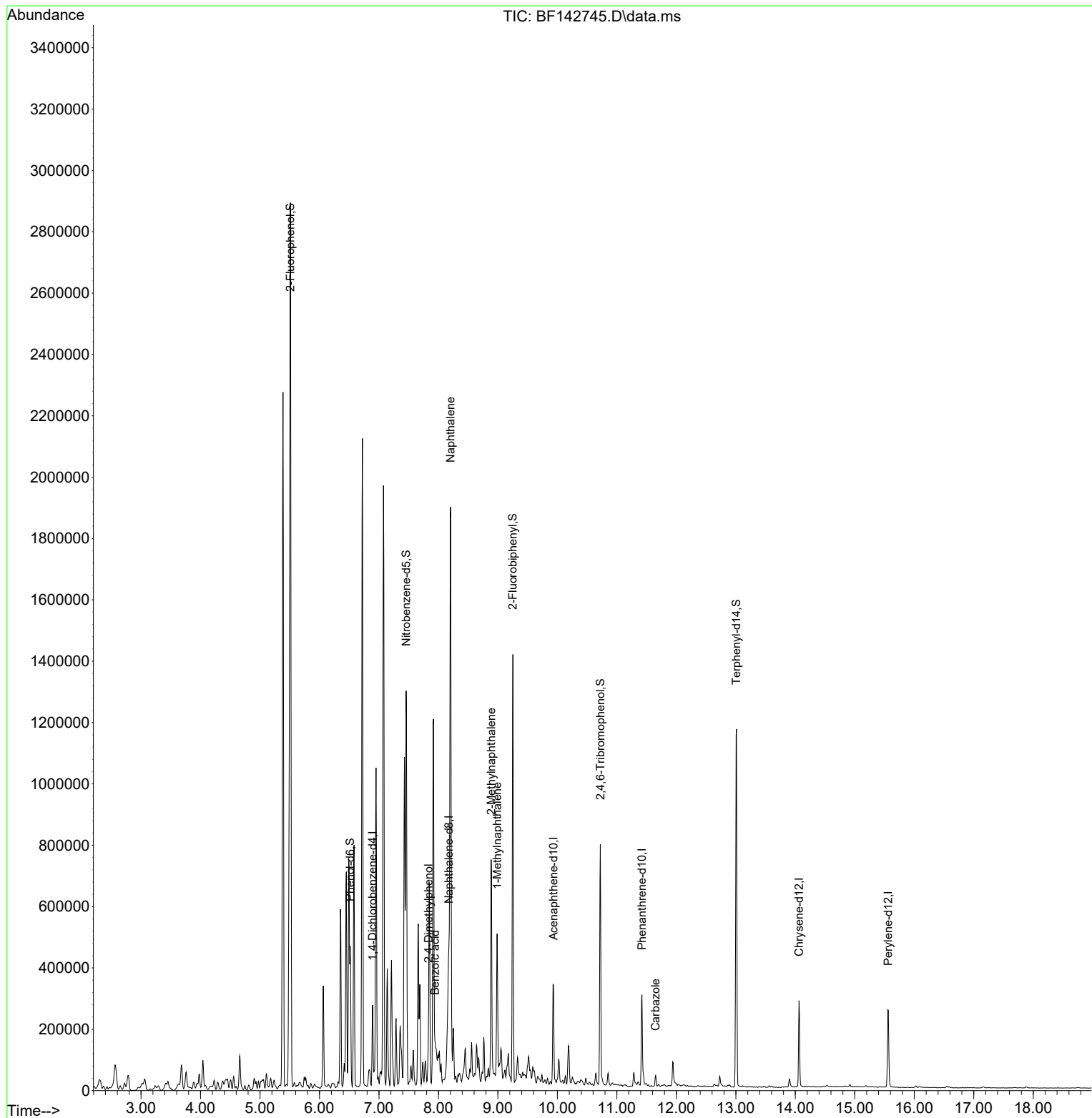
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	56149	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	196309	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	99515	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	154211	20.000	ng	0.00
76) Chrysene-d12	14.063	240	138540	20.000	ng	0.00
86) Perylene-d12	15.562	264	155779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	180116	54.634	ng	0.00
7) Phenol-d6	6.516	99	198617	51.192	ng	0.00
23) Nitrobenzene-d5	7.457	82	291606	81.295	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	131739	120.787	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	619662	82.727	ng	0.00
79) Terphenyl-d14	13.010	244	588976	58.389	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	7.834	122	11902	3.935	ng	Qvalue 95
31) Naphthalene	8.204	128	1203528	123.964	ng	99
32) Benzoic acid	7.939	122	13567	7.964	ng	# 70
37) 2-Methylnaphthalene	8.886	142	276984	45.074	ng	99
38) 1-Methylnaphthalene	8.986	142	156899	24.647	ng	100
73) Carbazole	11.651	167	19911	2.783	ng	99

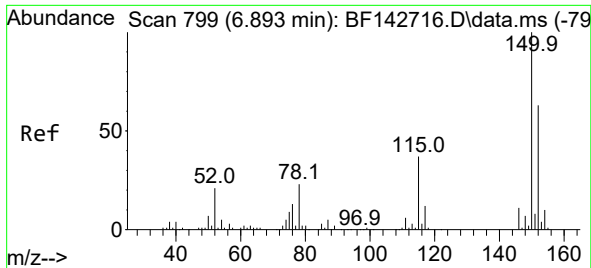
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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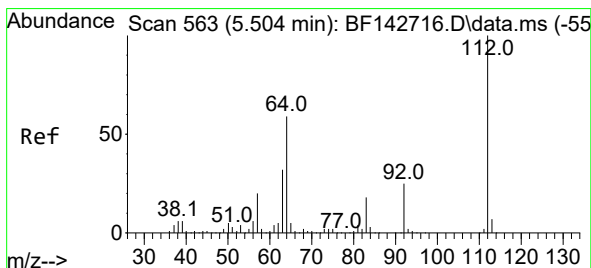
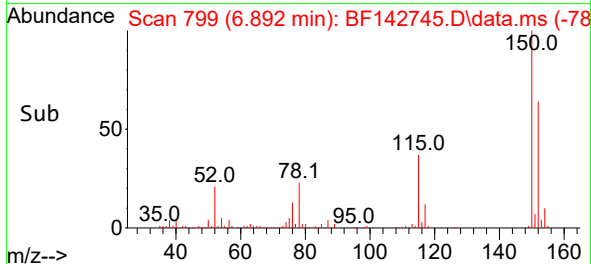
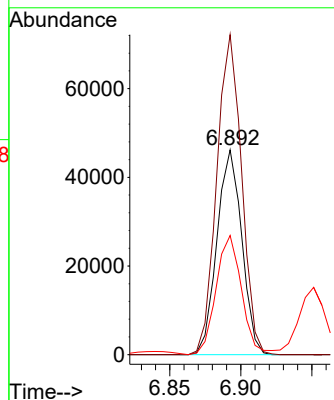
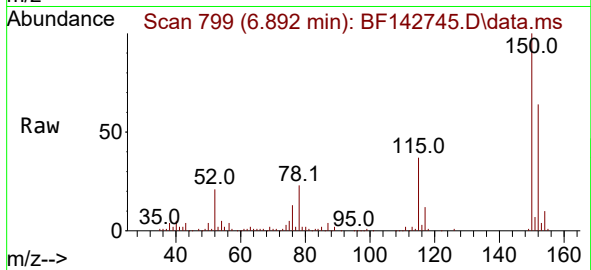




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

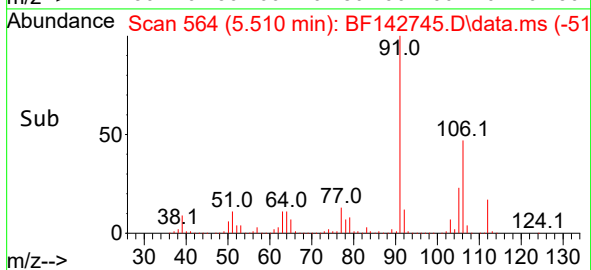
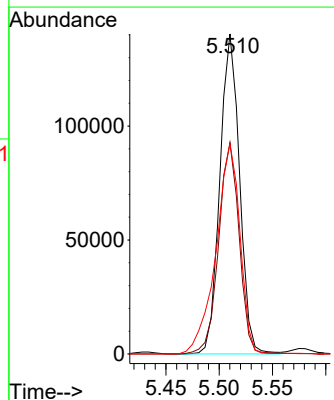
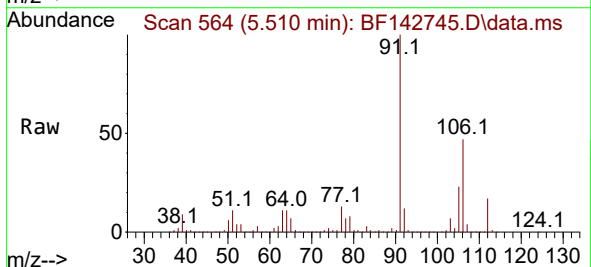
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

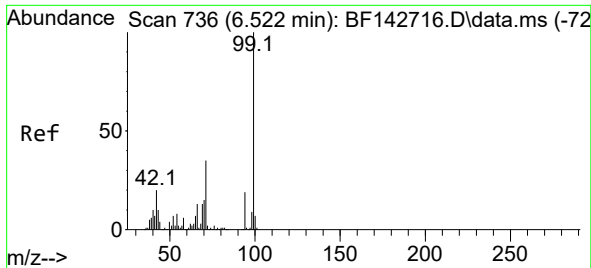
Tgt Ion:152 Resp: 56149
Ion Ratio Lower Upper
152 100
150 156.2 126.9 190.3
115 58.2 47.0 70.6



#5
2-Fluorophenol
Concen: 54.634 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion:112 Resp: 180116
Ion Ratio Lower Upper
112 100
64 66.1 47.4 71.2
63 65.8 25.4 38.0#

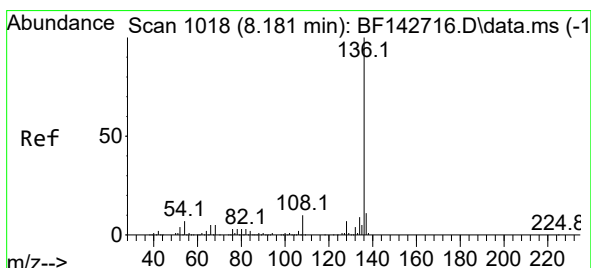
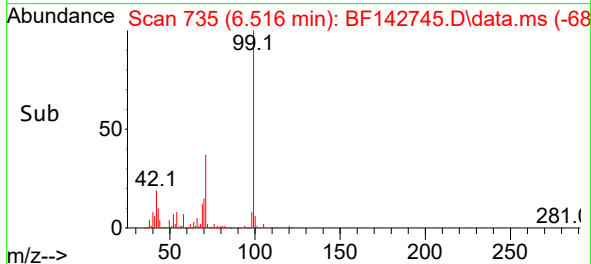
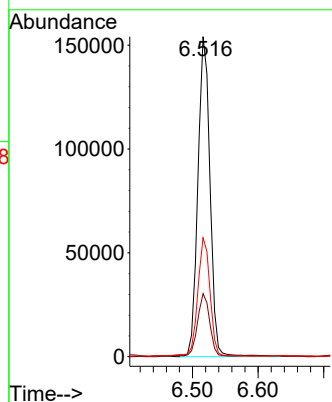
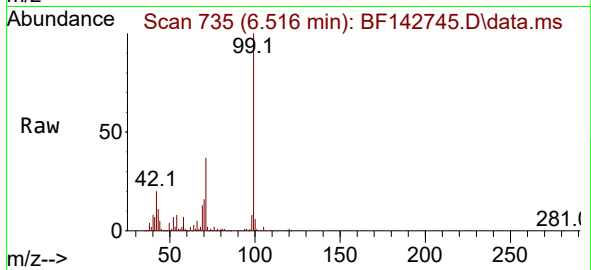




#7
Phenol-d6
Concen: 51.192 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

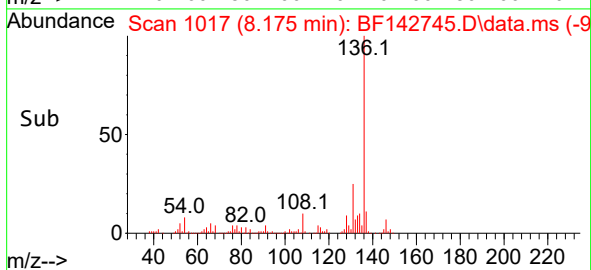
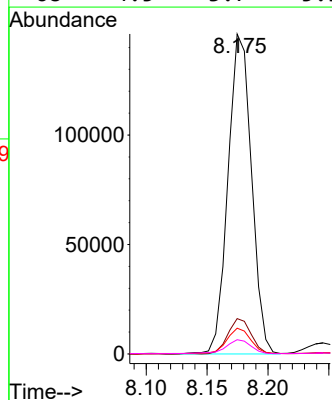
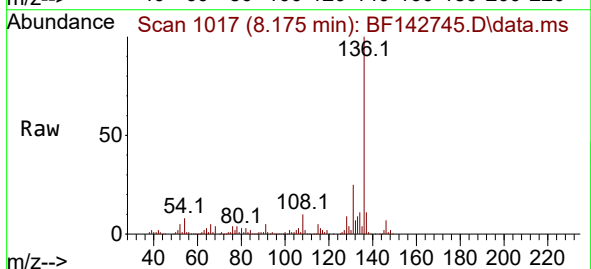
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

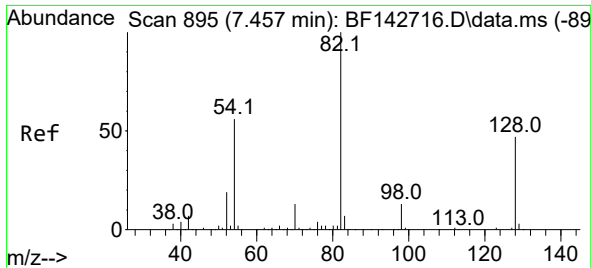
Tgt Ion: 99 Resp: 198617
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 37.2 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion: 136 Resp: 196309
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.0 5.9 8.9
68 4.5 3.7 5.5

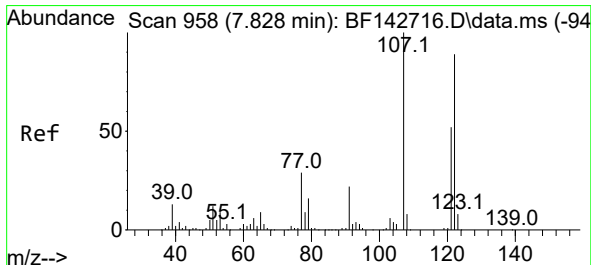
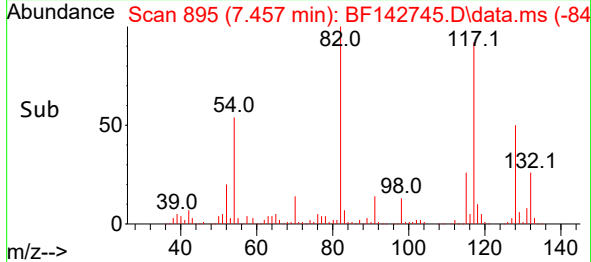
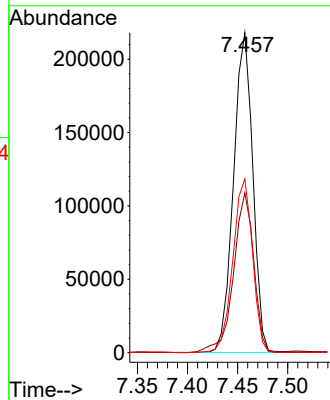
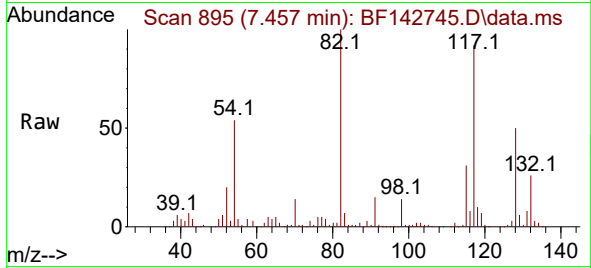




#23
 Nitrobenzene-d5
 Concen: 81.295 ng
 RT: 7.457 min Scan# 895
 Delta R.T. 0.000 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

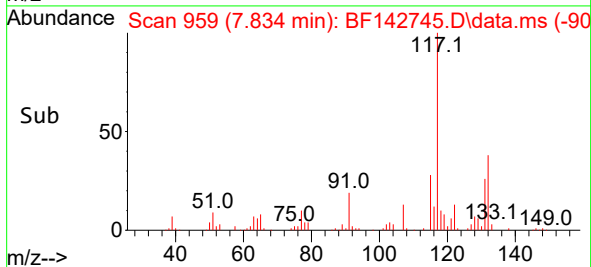
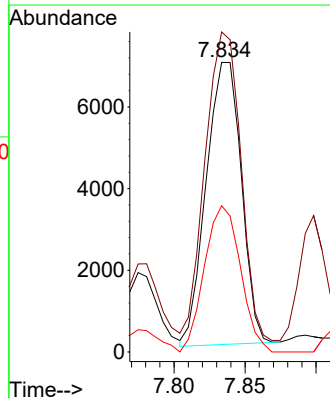
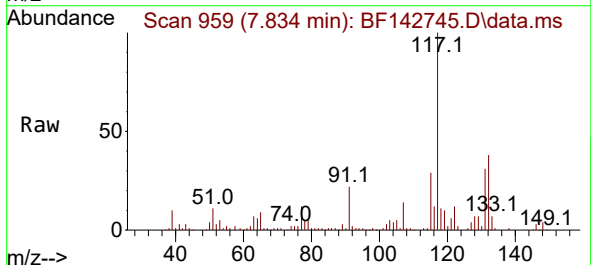
Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

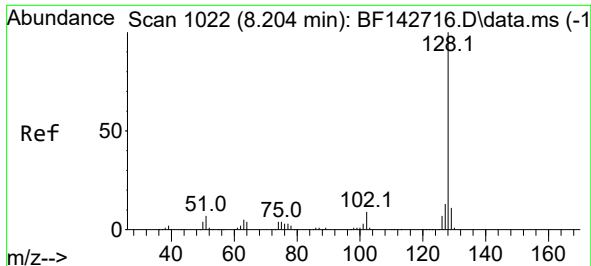
Tgt Ion: 82 Resp: 291606
 Ion Ratio Lower Upper
 82 100
 128 50.0 37.8 56.8
 54 54.3 44.9 67.3



#27
 2,4-Dimethylphenol
 Concen: 3.935 ng
 RT: 7.834 min Scan# 959
 Delta R.T. 0.006 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

Tgt Ion: 122 Resp: 11902
 Ion Ratio Lower Upper
 122 100
 107 110.5 90.4 135.6
 121 50.5 46.9 70.3

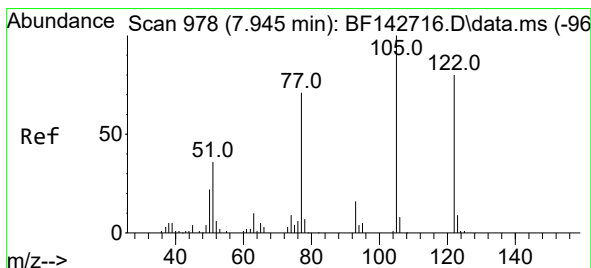
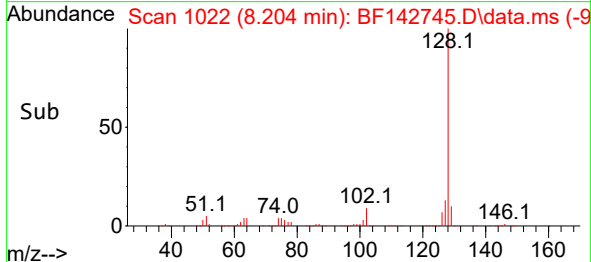
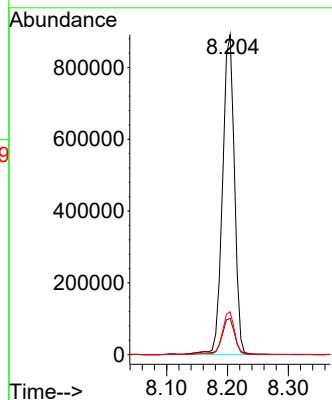
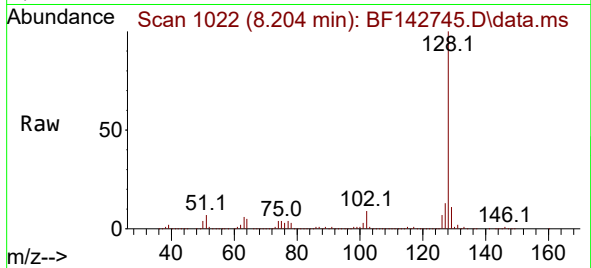




#31
Naphthalene
Concen: 123.964 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

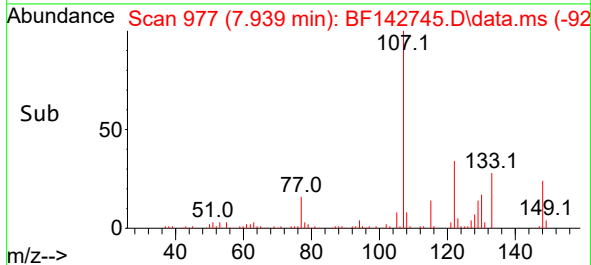
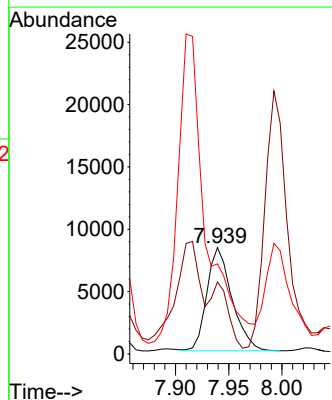
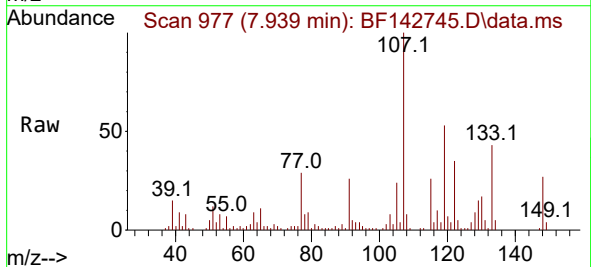
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

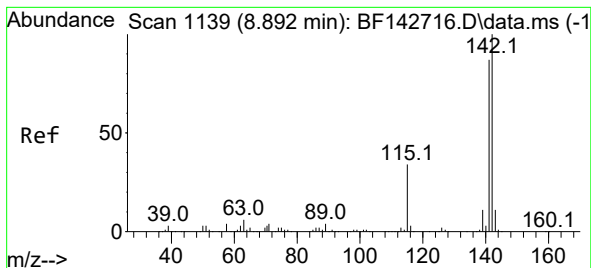
Tgt Ion:128 Resp: 1203528
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.4 10.4 15.6



#32
Benzoic acid
Concen: 7.964 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion:122 Resp: 13567
Ion Ratio Lower Upper
122 100
105 67.7 102.6 142.6#
77 84.6 68.2 108.2





#37

2-Methylnaphthalene

Concen: 45.074 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :

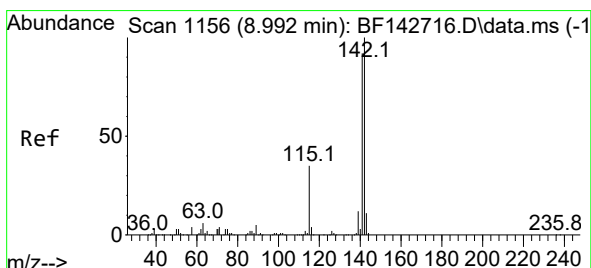
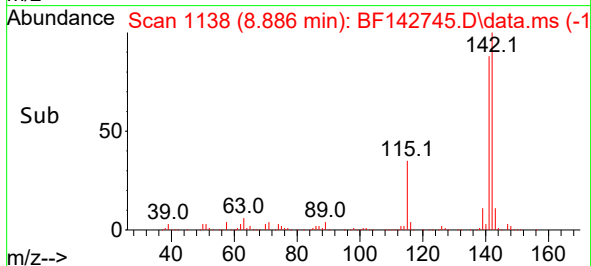
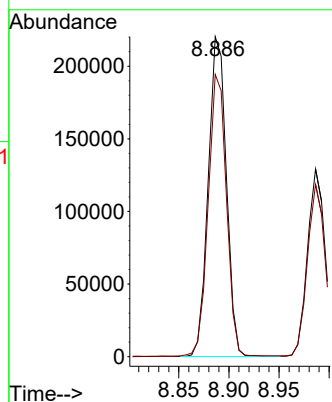
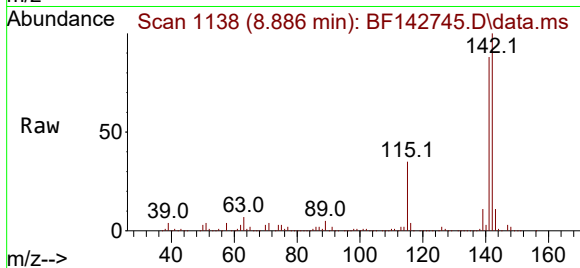
MW-2-20250605

Tgt Ion:142 Resp: 276984

Ion Ratio Lower Upper

142 100

141 88.2 69.9 104.9



#38

1-Methylnaphthalene

Concen: 24.647 ng

RT: 8.986 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142745.D

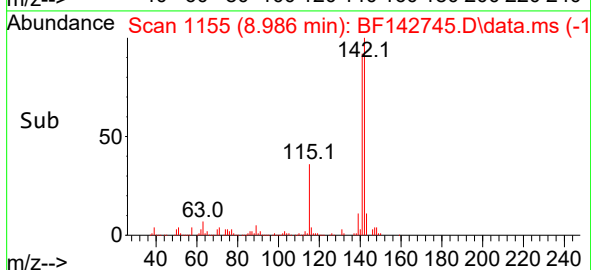
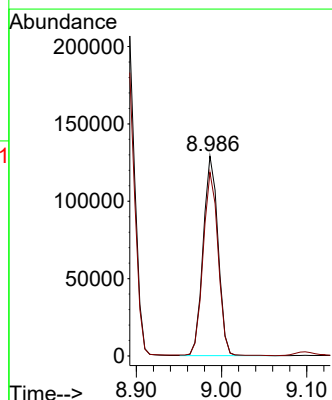
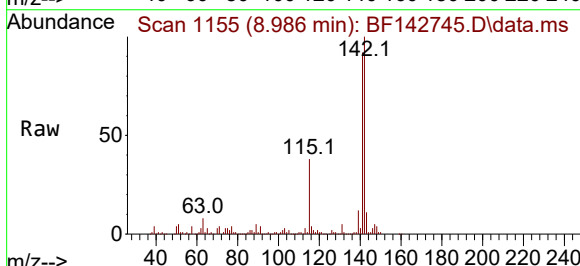
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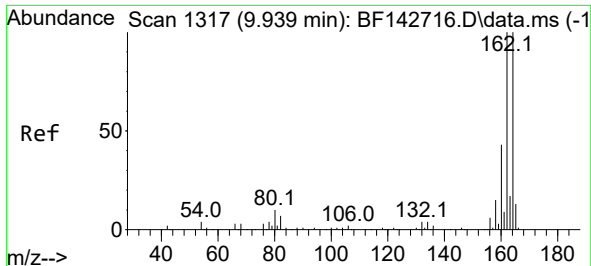
Tgt Ion:142 Resp: 156899

Ion Ratio Lower Upper

142 100

141 91.9 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :

MW-2-20250605

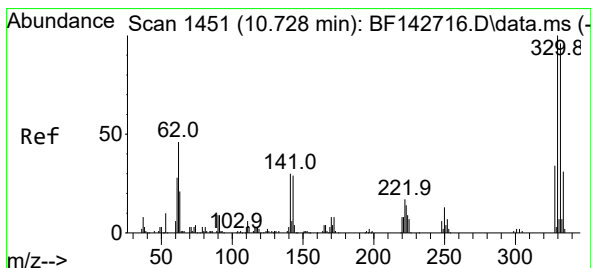
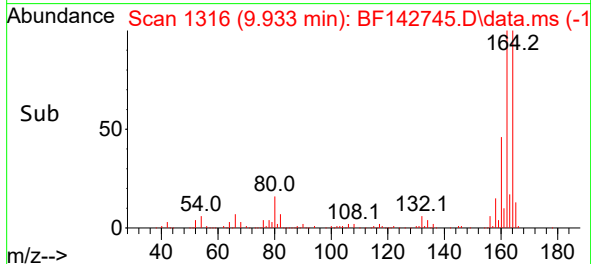
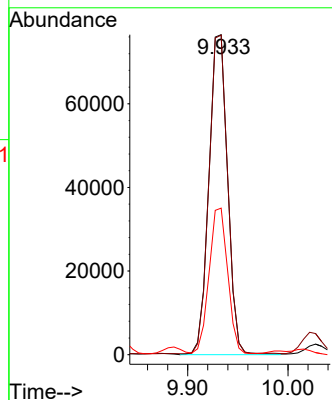
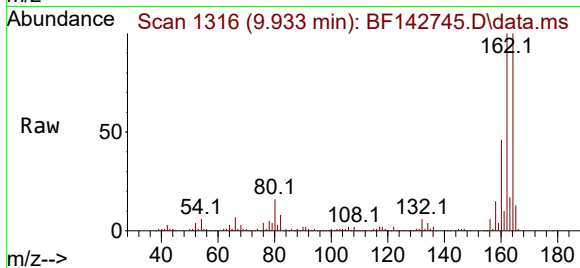
Tgt Ion:164 Resp: 99515

Ion Ratio Lower Upper

164 100

162 99.9 79.9 119.9

160 45.8 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 120.787 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

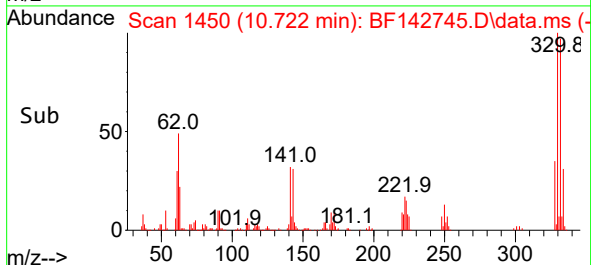
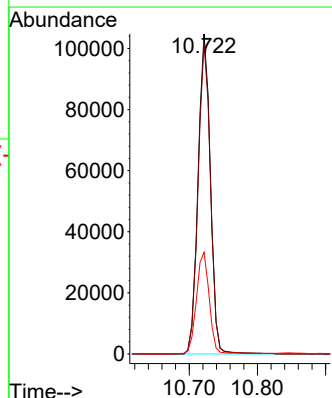
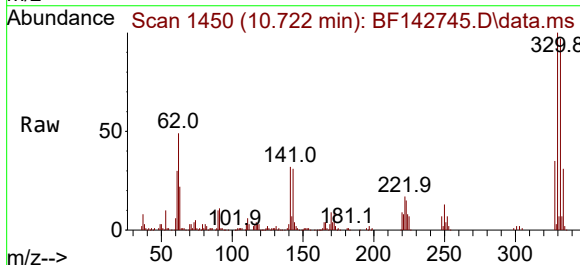
Tgt Ion:330 Resp: 131739

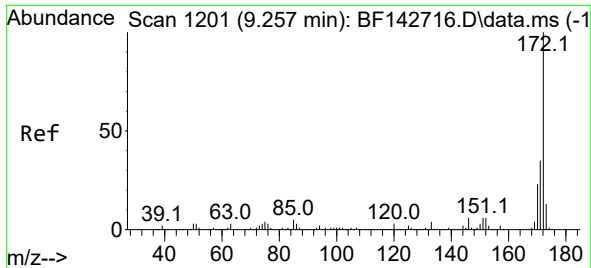
Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

141 33.1 25.4 38.0

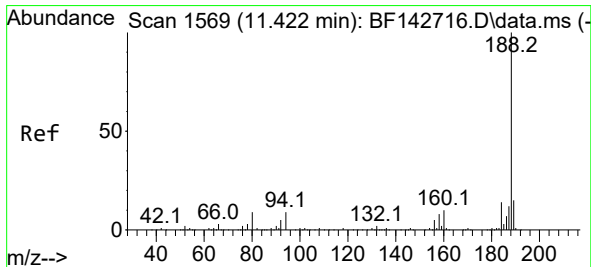
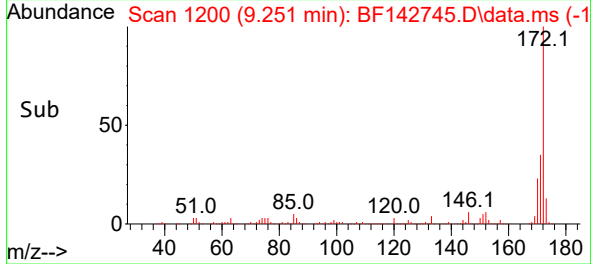
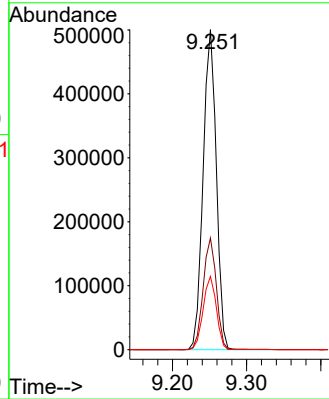
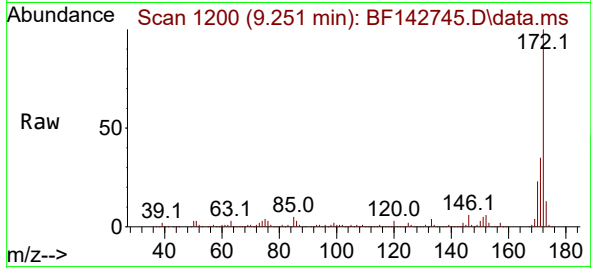




#45
2-Fluorobiphenyl
Concen: 82.727 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

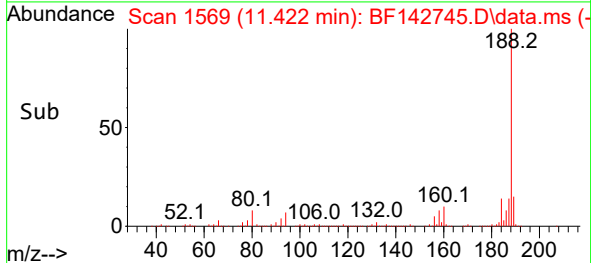
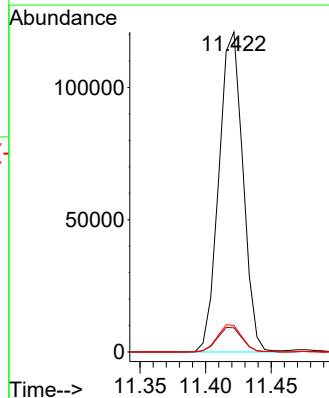
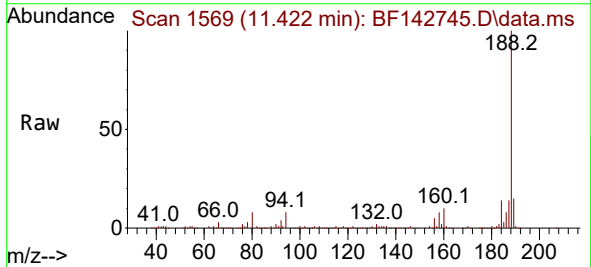
Instrument :
BNA_F
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MW-2-20250605

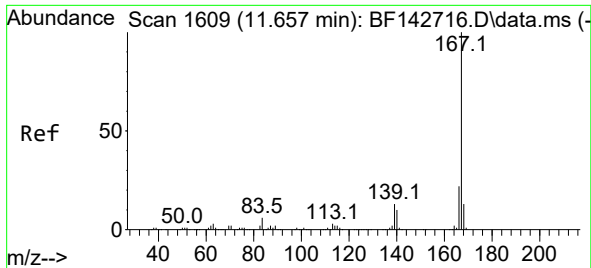
Tgt Ion:172 Resp: 619662
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.9 18.6 27.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion:188 Resp: 154211
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.3 7.1 10.7

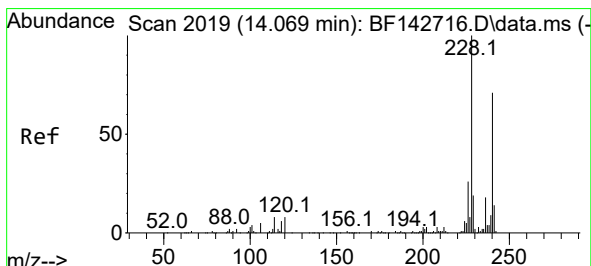
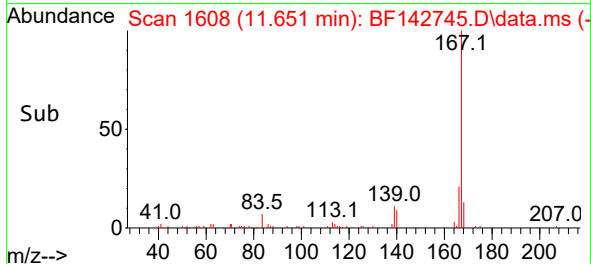
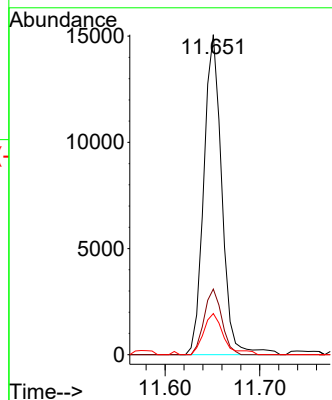
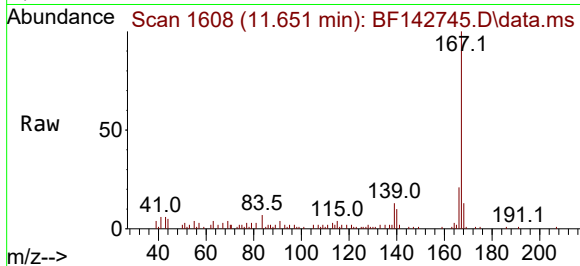




#73
Carbazole
Concen: 2.783 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

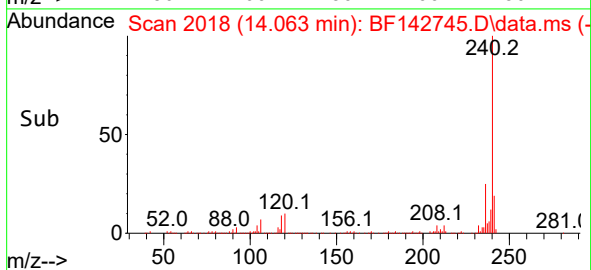
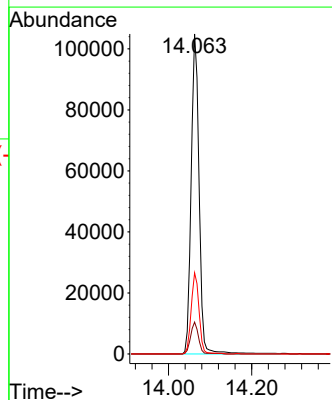
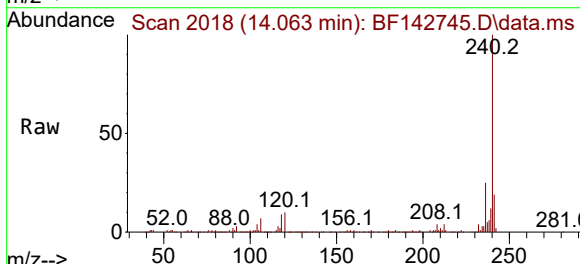
Instrument :
BNA_F
ClientSampleId :
MW-2-20250605

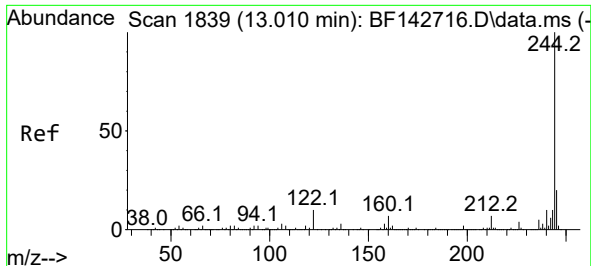
Tgt Ion:167 Resp: 19911
Ion Ratio Lower Upper
167 100
166 20.5 17.2 25.8
139 12.8 10.2 15.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion:240 Resp: 138540
Ion Ratio Lower Upper
240 100
120 9.9 8.5 12.7
236 25.4 20.1 30.1

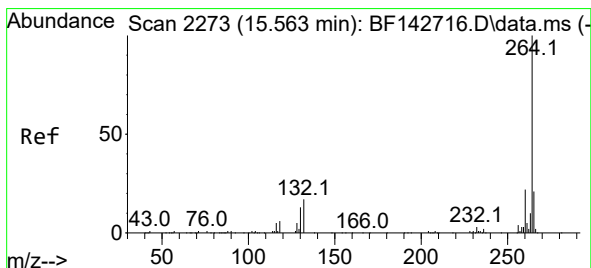
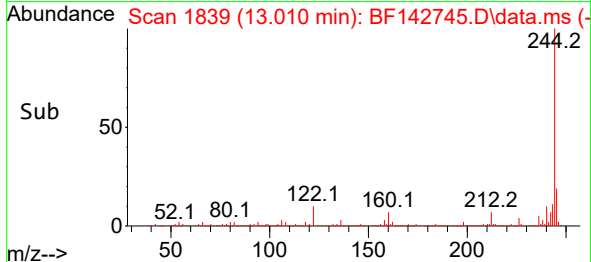
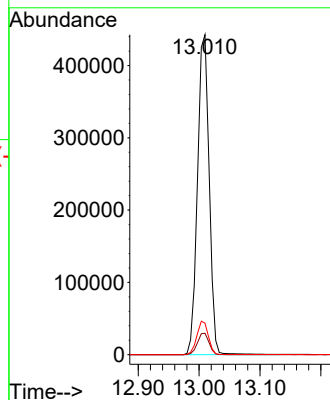
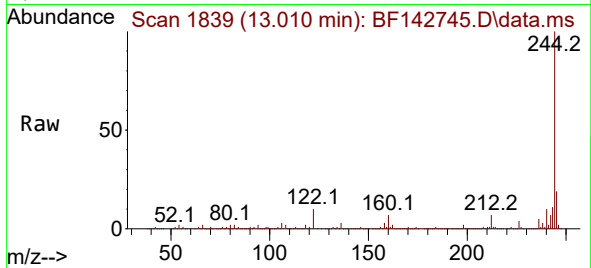




#79
 Terphenyl-d14
 Concen: 58.389 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

Instrument :
 BNA_F
 ClientSampleId :
 MW-2-20250605

Tgt Ion:244 Resp: 588976
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.9 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.000 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

Tgt Ion:264 Resp: 155779
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.8 26.6
 265 20.9 16.6 25.0

