

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142759.D
 Acq On : 12 Jun 2025 15:57
 Operator : RC/JU
 Sample : Q2296-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Jun 12 16:59:22 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)

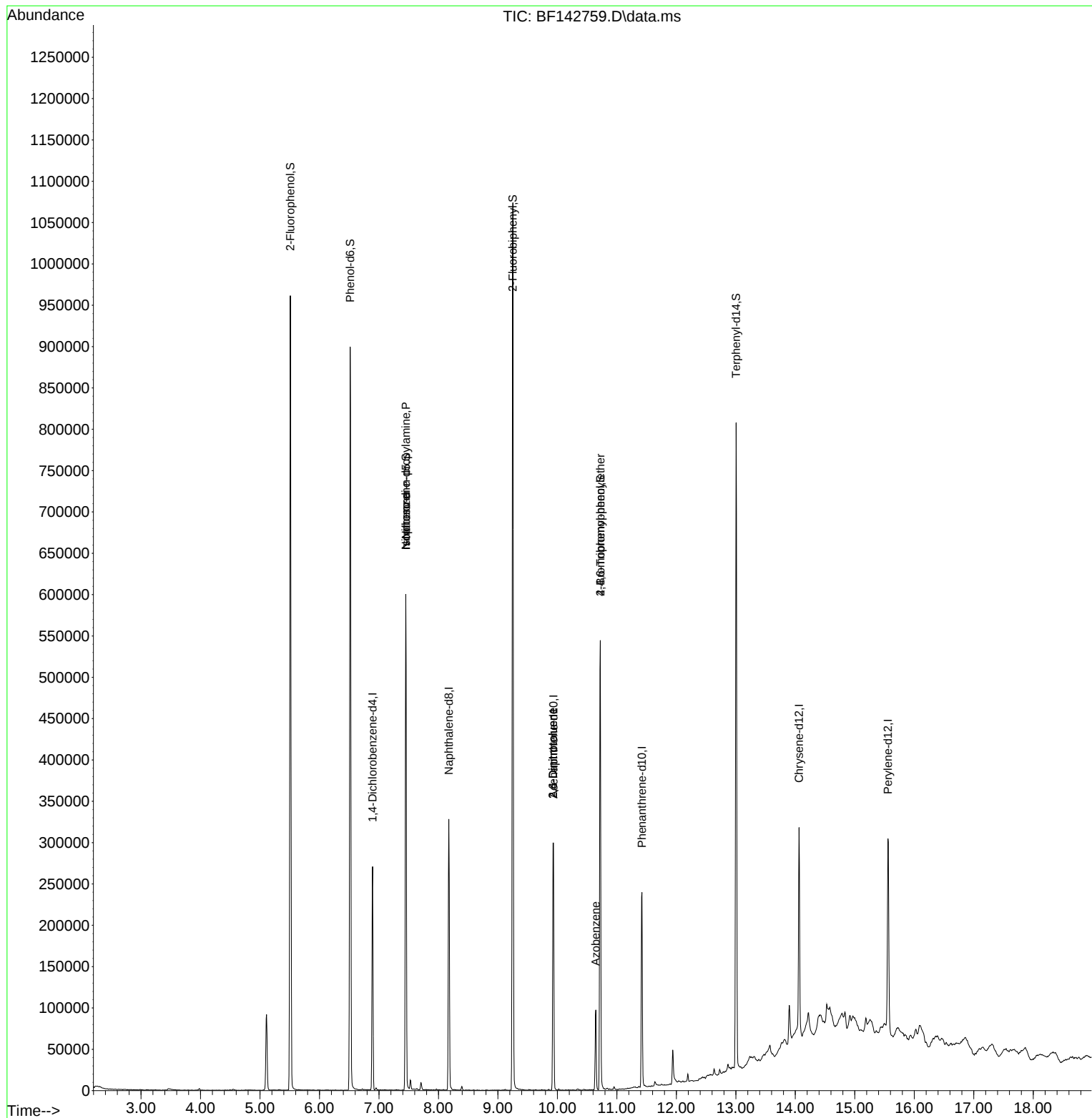
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	57932	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	209479	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	95750	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	131778	20.000	ng	0.00
76) Chrysene-d12	14.062	240	126687	20.000	ng	0.00
86) Perylene-d12	15.556	264	146580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	365045	107.320	ng	0.00
7) Phenol-d6	6.516	99	419116	104.700	ng	0.00
23) Nitrobenzene-d5	7.451	82	251594	65.731	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	95205	90.723	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	498639	69.188	ng	0.00
79) Terphenyl-d14	13.004	244	379764	41.171	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	34242	13.437	ng	# 76
25) Isophorone	7.451	82	250485	38.650	ng	# 63
51) 2,6-Dinitrotoluene	9.927	165	12040	8.713	ng	# 28
57) 2,4-Dinitrotoluene	9.927	165	12040	6.590	ng	# 26
63) Azobenzene	10.645	77	23905	4.317	ng	# 1
67) 4-Bromophenyl-phenylether	10.721	248	6108	3.927	ng	# 1

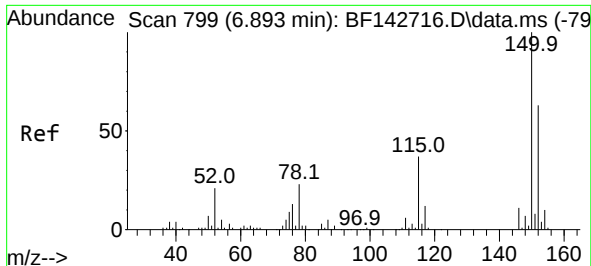
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 16:59:22 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

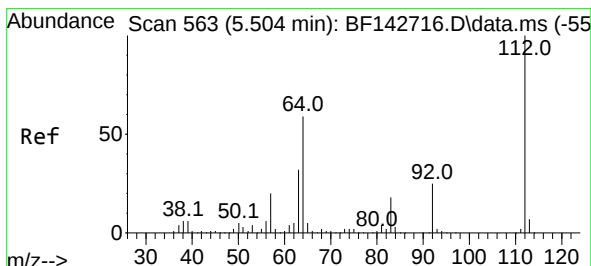
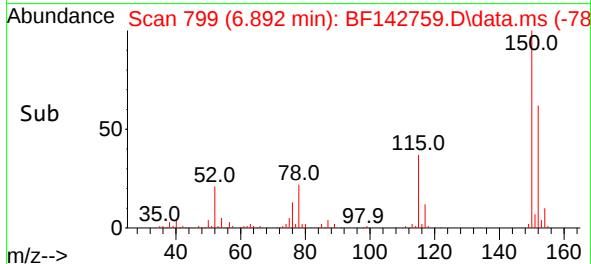
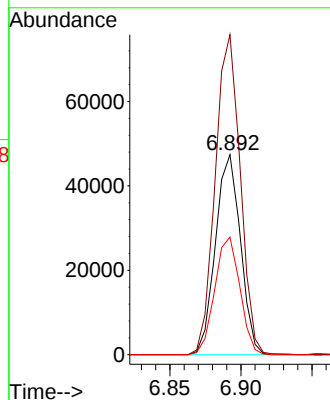
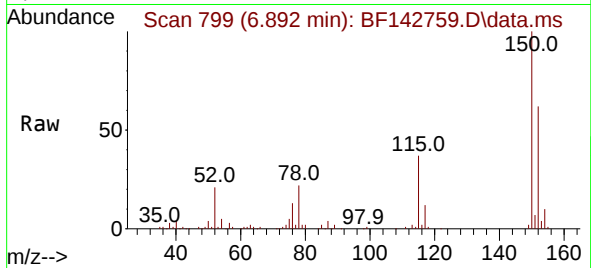




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

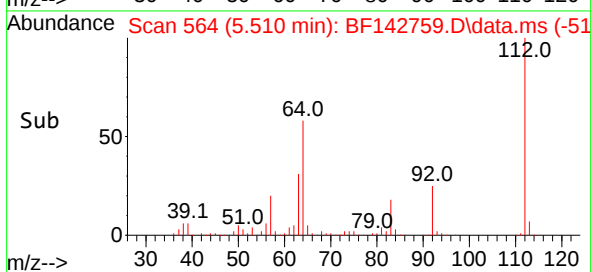
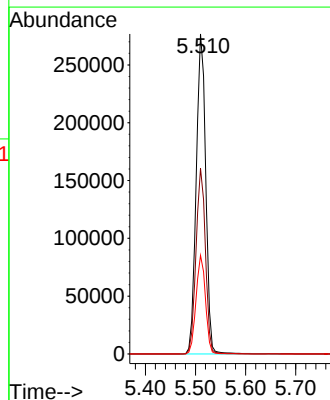
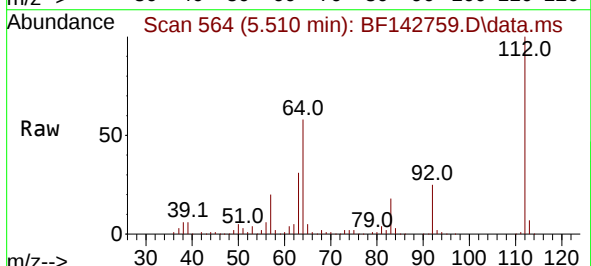
Instrument :
BNA_F
ClientSampleId :
WC-3

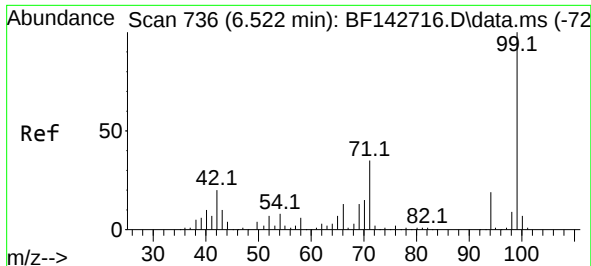
Tgt Ion:152 Resp: 57932
Ion Ratio Lower Upper
152 100
150 160.0 126.9 190.3
115 58.8 47.0 70.6



#5
2-Fluorophenol
Concen: 107.320 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion:112 Resp: 365045
Ion Ratio Lower Upper
112 100
64 58.0 47.4 71.2
63 30.8 25.4 38.0

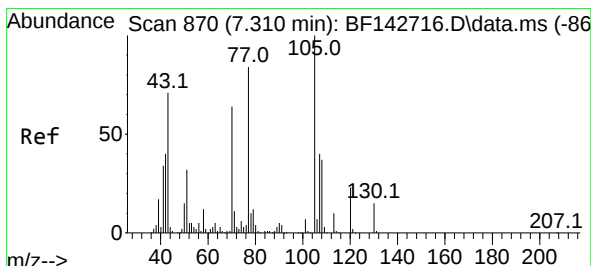
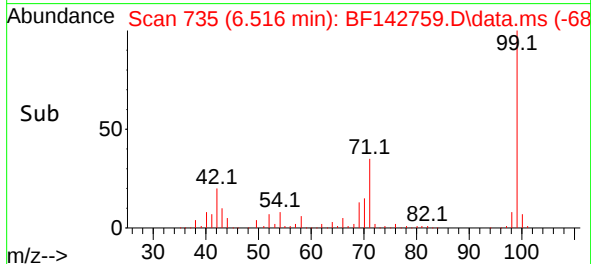
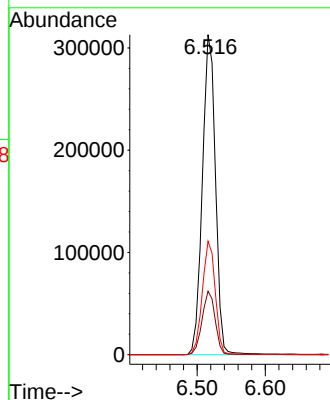
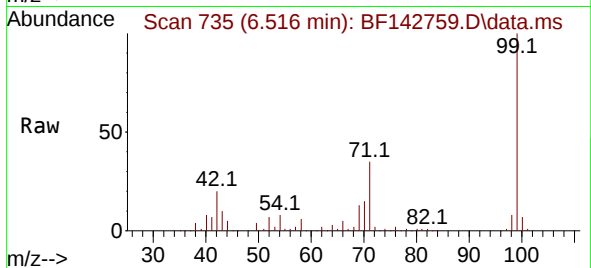




#7
Phenol-d6
Concen: 104.700 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

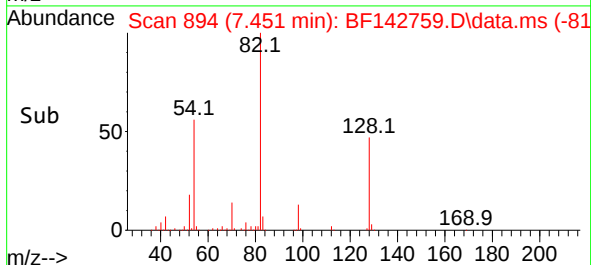
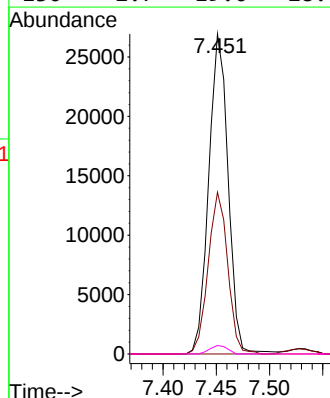
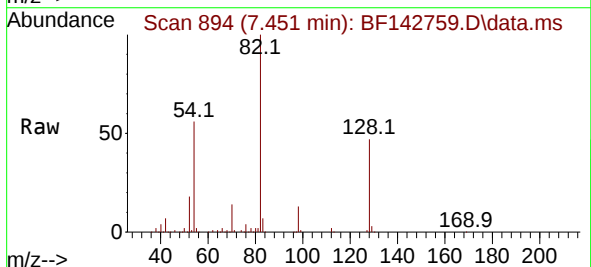
Instrument :
BNA_F
ClientSampleId :
WC-3

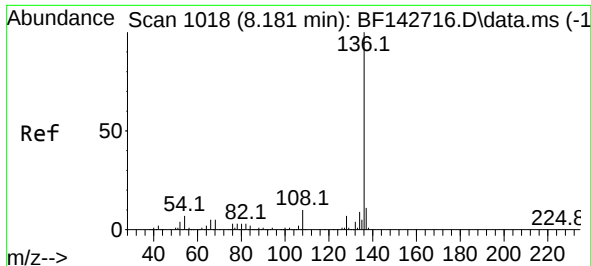
Tgt Ion: 99 Resp: 419116
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.4 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.437 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion: 70 Resp: 34242
Ion Ratio Lower Upper
70 100
42 50.6 50.2 75.4
101 0.0 8.3 12.5#
130 2.7 19.0 28.6#

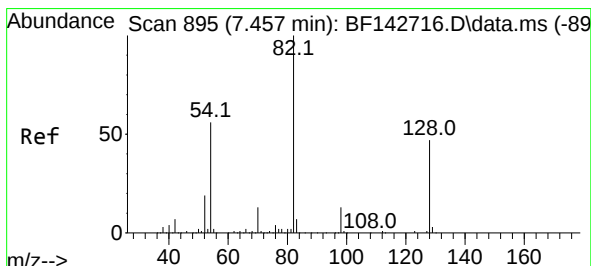
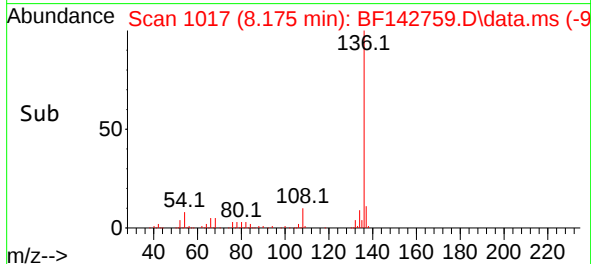
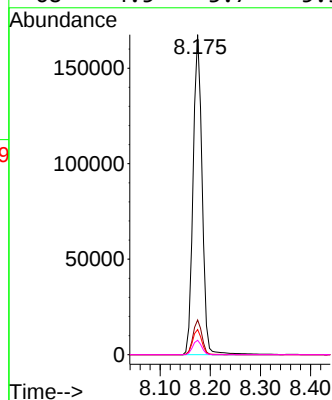
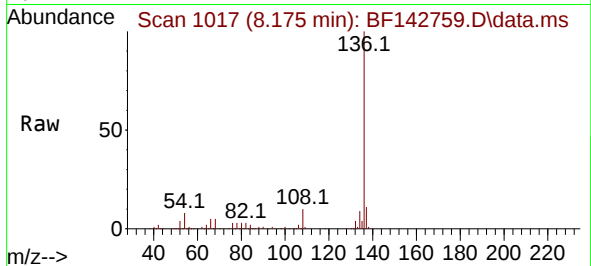




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

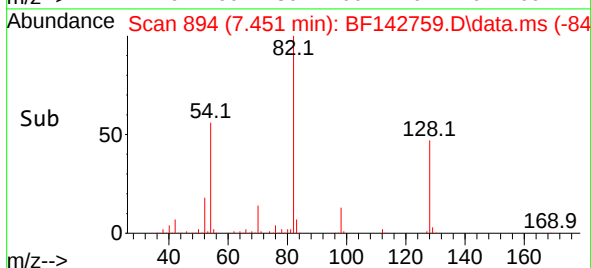
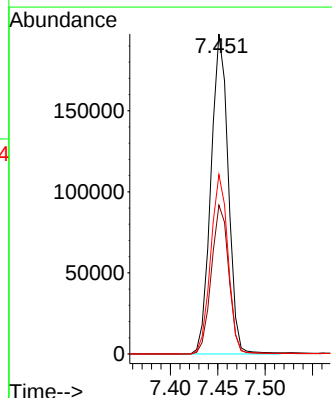
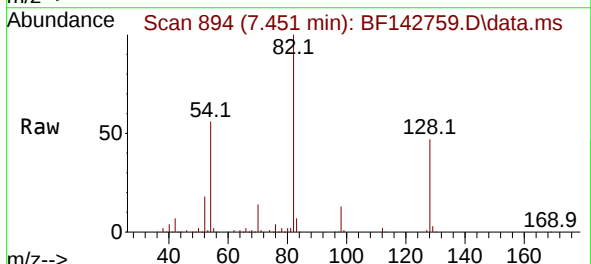
Instrument :
BNA_F
ClientSampleId :
WC-3

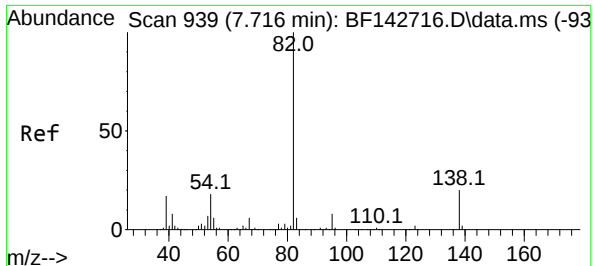
Tgt Ion:136 Resp: 209479
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 5.9 8.9
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 65.731 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion: 82 Resp: 251594
Ion Ratio Lower Upper
82 100
128 46.5 37.8 56.8
54 56.0 44.9 67.3

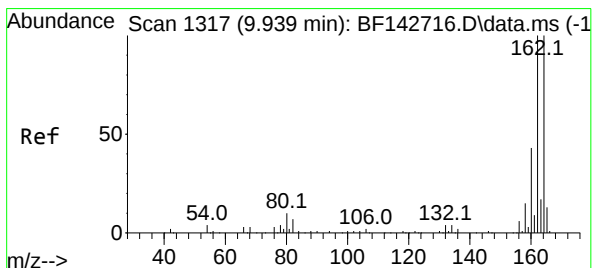
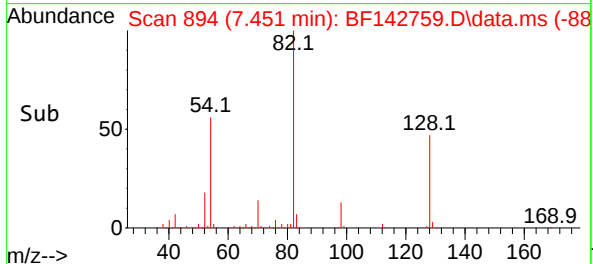
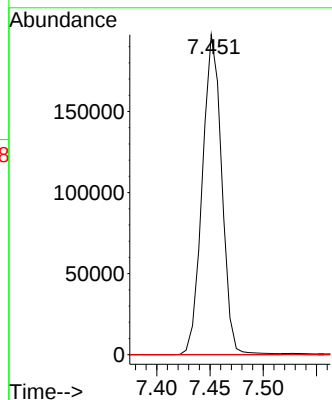
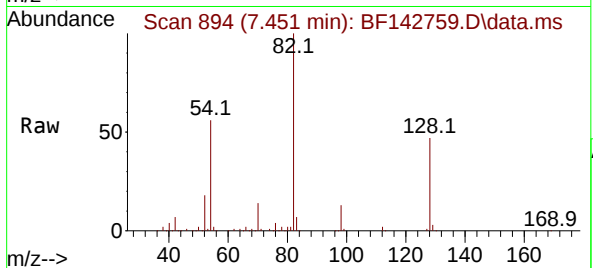




#25
Isophorone
Concen: 38.650 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

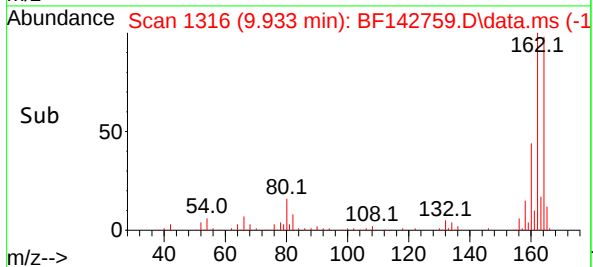
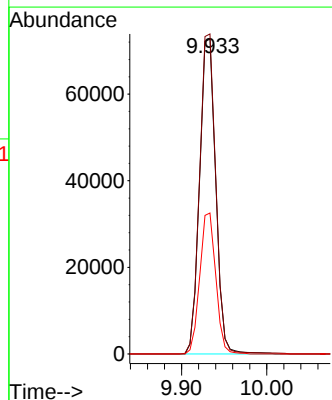
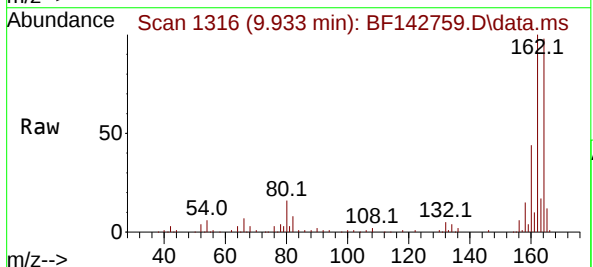
Instrument :
BNA_F
ClientSampleId :
WC-3

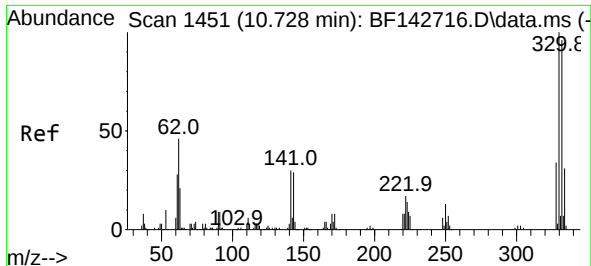
Tgt Ion: 82 Resp: 250485
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion:164 Resp: 95750
Ion Ratio Lower Upper
164 100
162 101.7 79.9 119.9
160 44.8 34.8 52.2

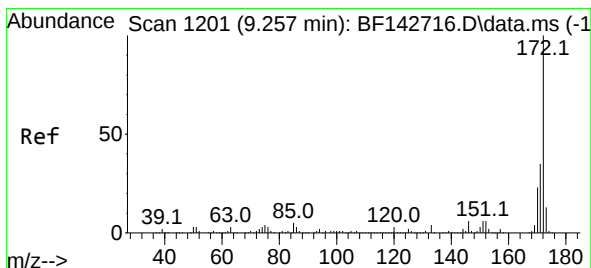
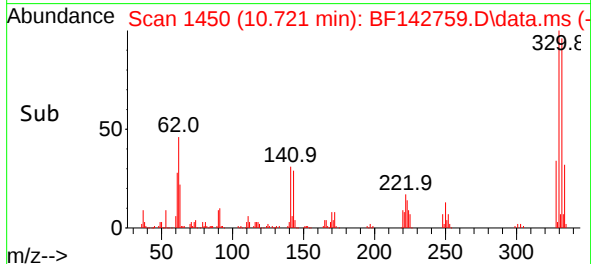
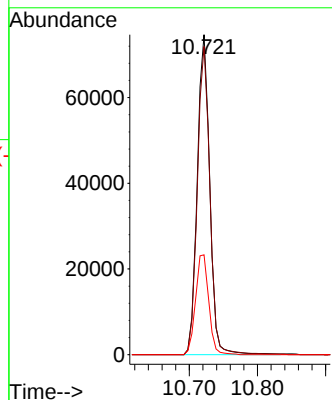
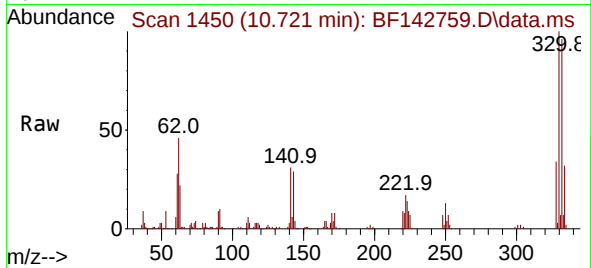




#42
2,4,6-Tribromophenol
Concen: 90.723 ng
RT: 10.721 min Scan# 1451
Delta R.T. -0.007 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

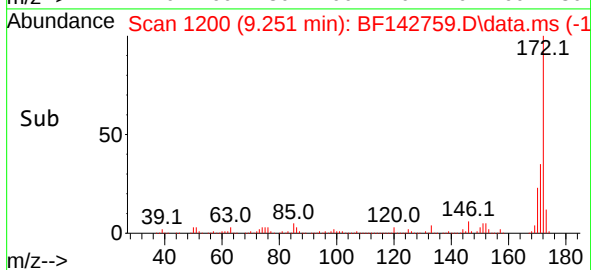
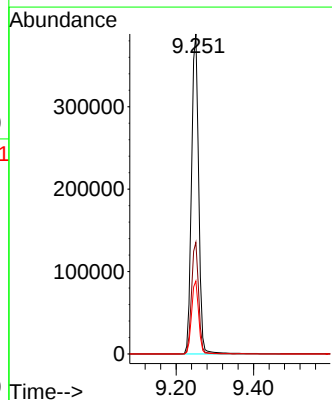
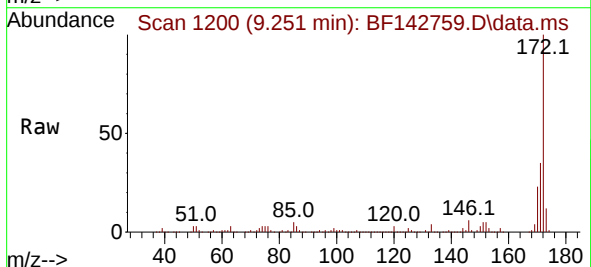
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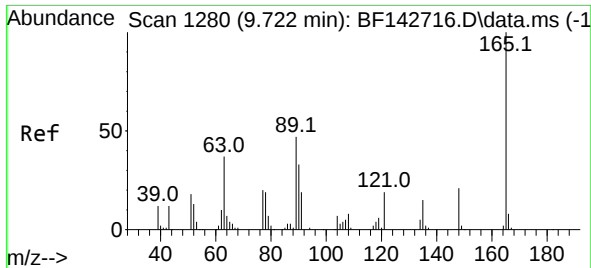
Tgt Ion:330 Resp: 95205
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 32.8 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 69.188 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion:172 Resp: 498639
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 22.8 18.6 27.8

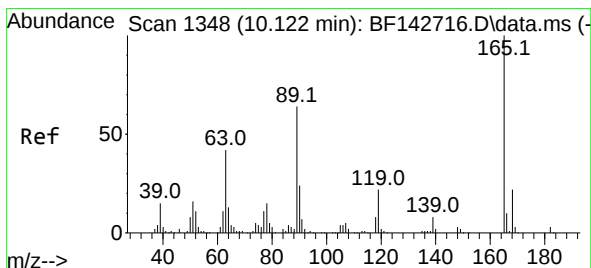
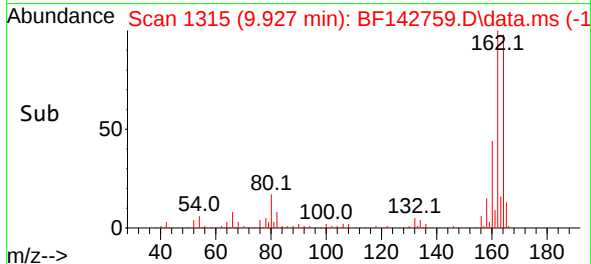
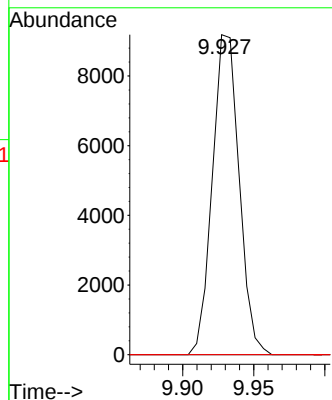
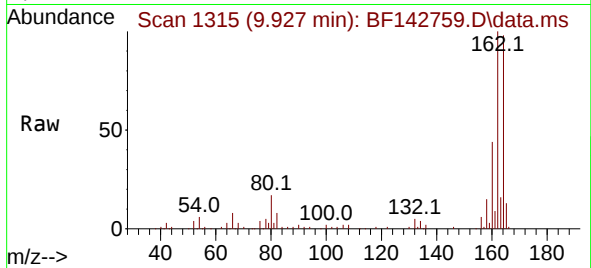




#51
2,6-Dinitrotoluene
Concen: 8.713 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

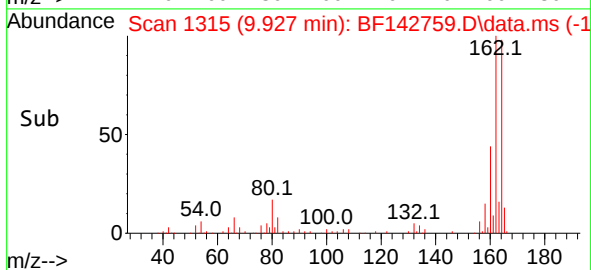
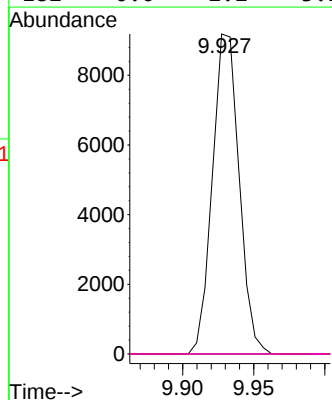
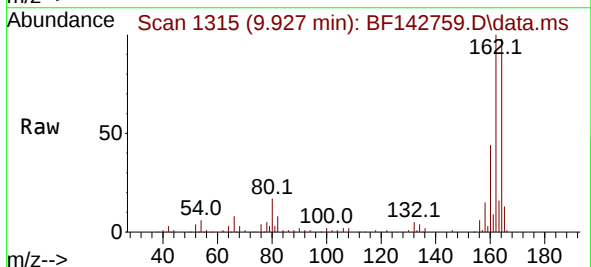
Instrument :
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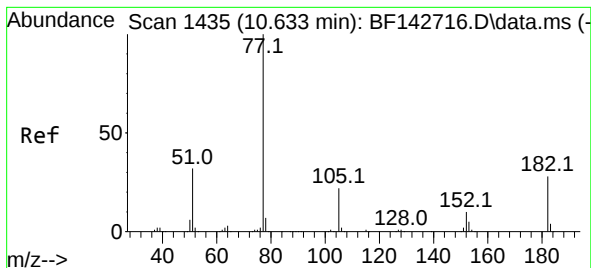
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.6	60.8#
89	0.0	37.6	56.4#



#57
2,4-Dinitrotoluene
Concen: 6.590 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.1	51.1#
89	0.0	50.8	76.2#
182	0.0	2.2	3.2#





#63

Azobenzene

Concen: 4.317 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.012 min

Lab File: BF142759.D

Acq: 12 Jun 2025 15:57

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion: 77 Resp: 23905

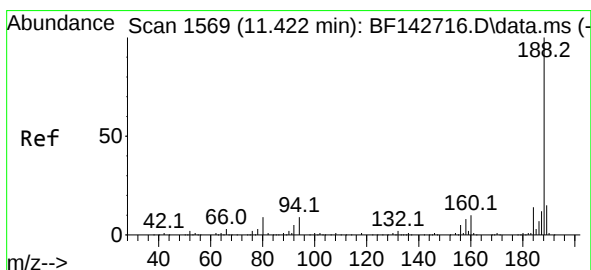
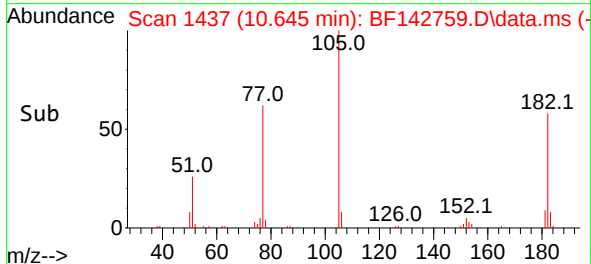
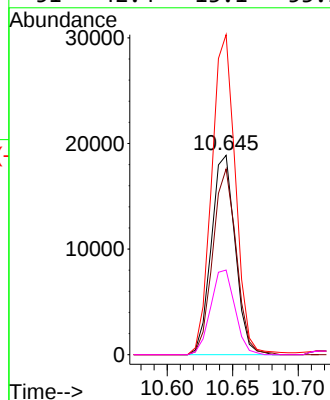
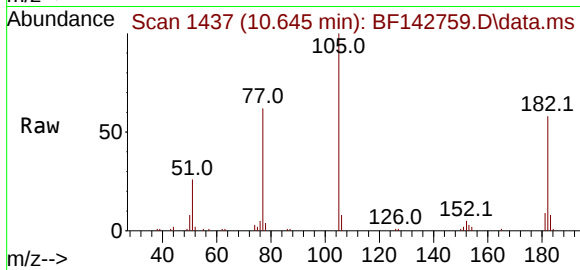
Ion Ratio Lower Upper

77 100

182 93.1 7.8 47.8#

105 160.5 1.9 41.9#

51 42.4 13.1 53.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF142759.D

Acq: 12 Jun 2025 15:57

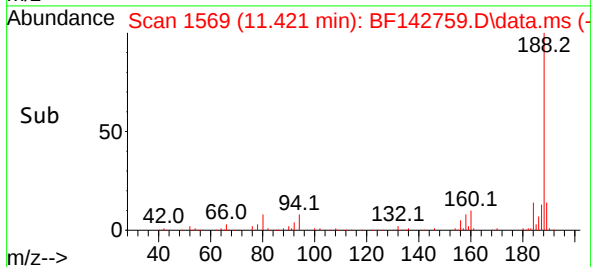
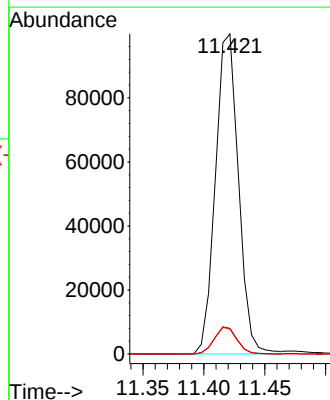
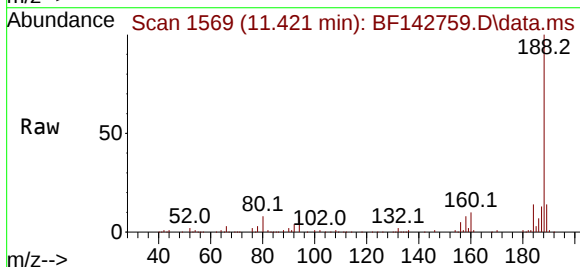
Tgt Ion:188 Resp: 131778

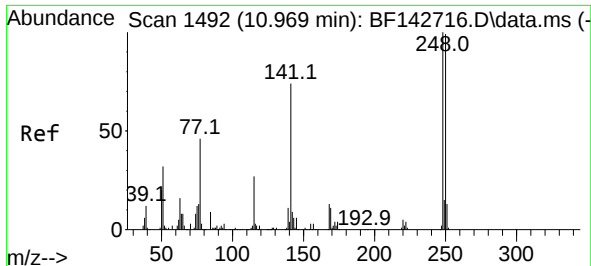
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 7.7 7.1 10.7

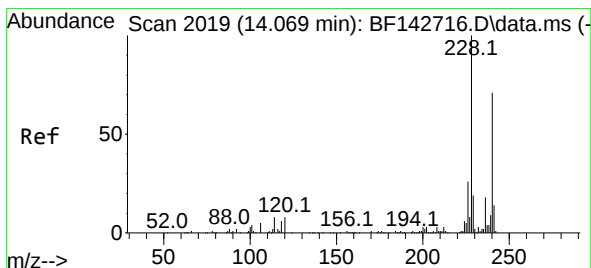
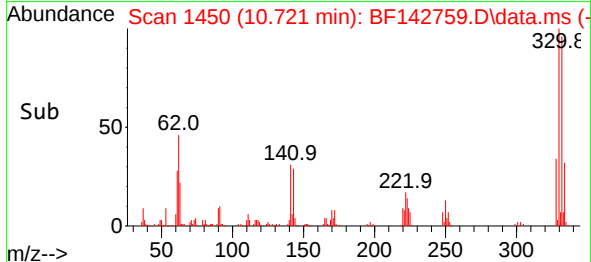
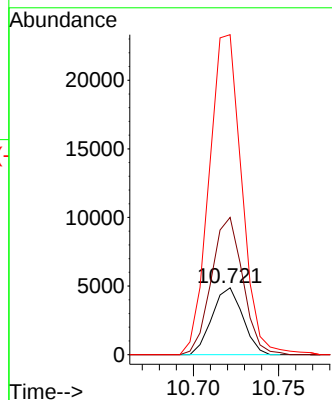
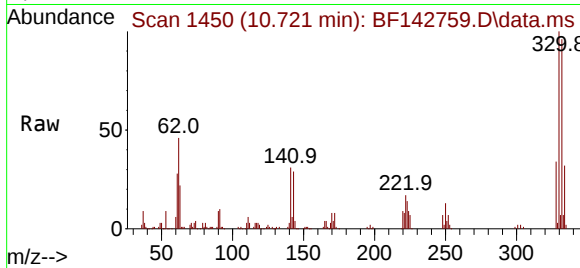




#67
4-Bromophenyl-phenylether
Concen: 3.927 ng
RT: 10.721 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

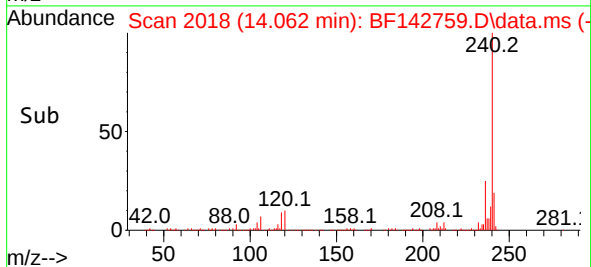
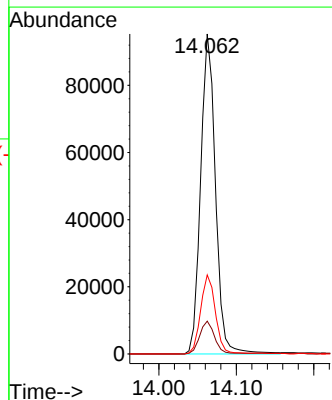
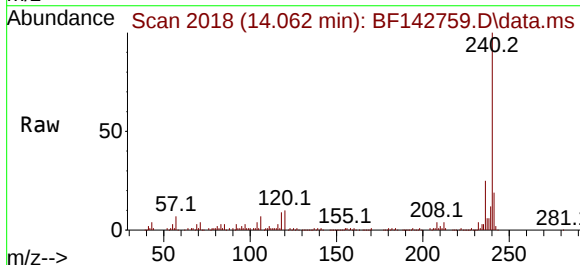
Instrument :
BNA_F
ClientSampleId :
WC-3

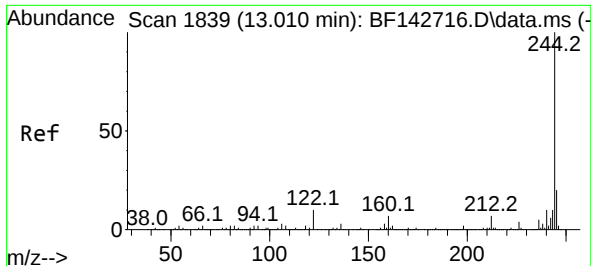
Tgt Ion:248 Resp: 6108
Ion Ratio Lower Upper
248 100
250 205.0 79.2 118.8#
141 478.1 59.3 88.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142759.D
Acq: 12 Jun 2025 15:57

Tgt Ion:240 Resp: 126687
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 24.7 20.1 30.1

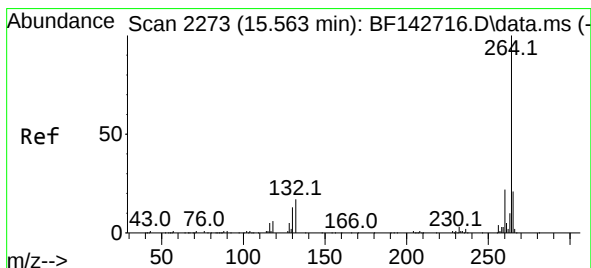
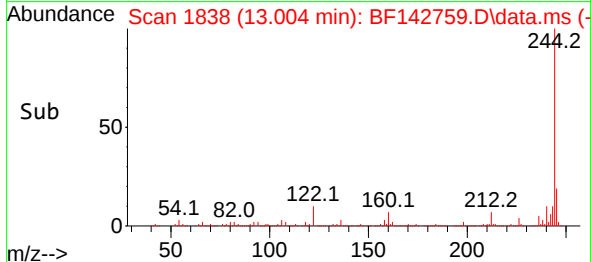
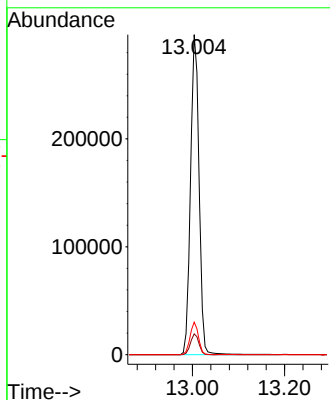
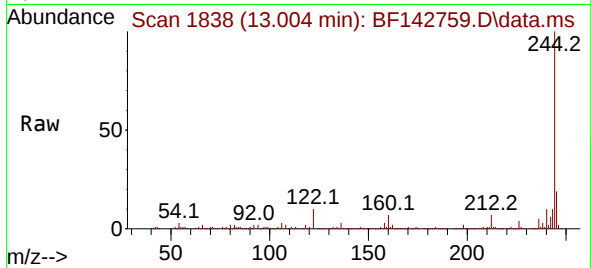




#79
 Terphenyl-d14
 Concen: 41.171 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF142759.D
 Acq: 12 Jun 2025 15:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion:244 Resp: 379764
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.1 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF142759.D
 Acq: 12 Jun 2025 15:57

Tgt Ion:264 Resp: 146580
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.8 26.6
 265 20.8 16.6 25.0

