

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142312.D
 Acq On : 12 May 2025 11:16
 Operator : RC/JU
 Sample : PB167936BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167936BL

Quant Time: May 12 12:10:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

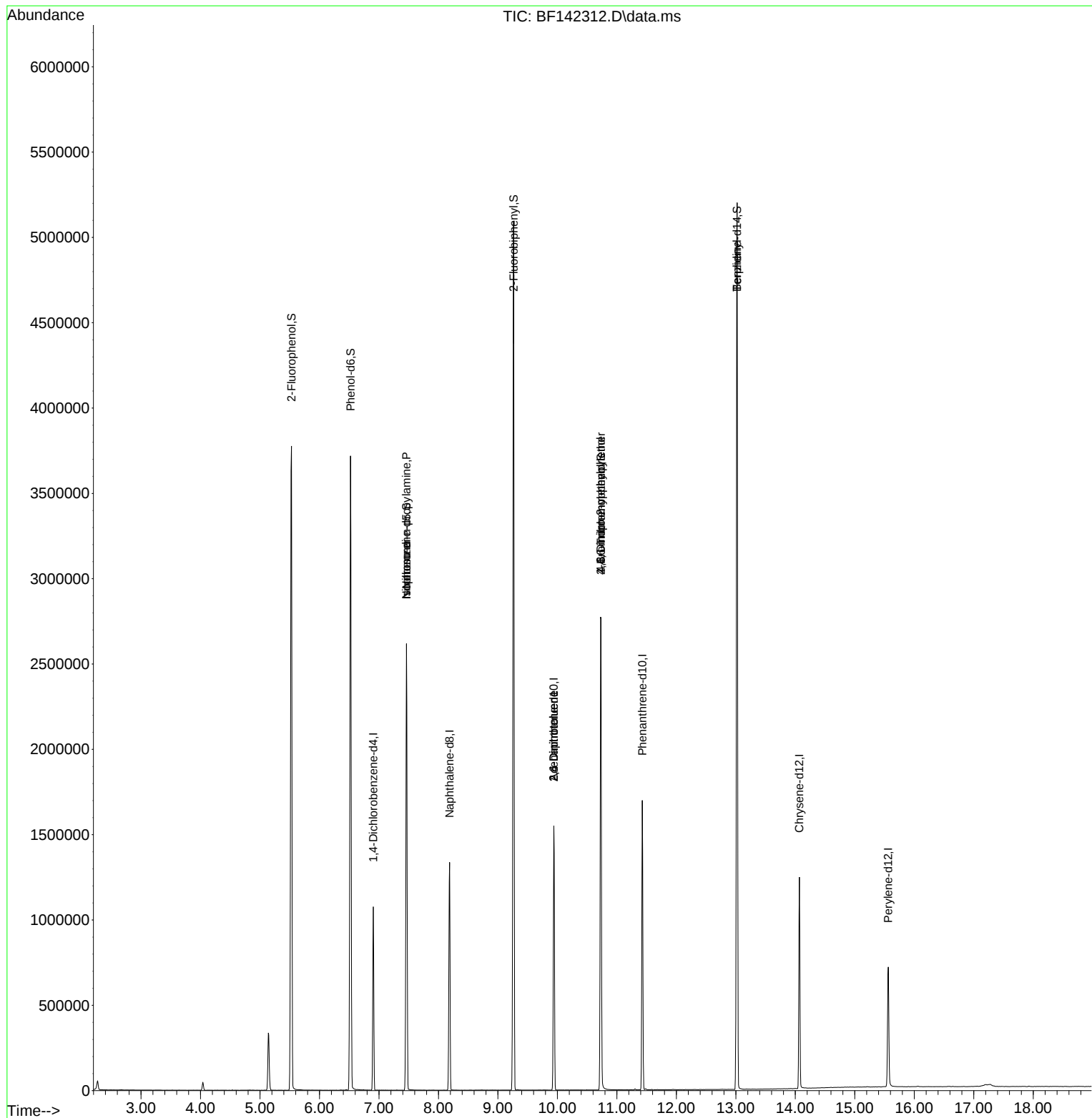
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	224707	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	865671	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	468007	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	850111	20.000	ng	0.00
76) Chrysene-d12	14.069	240	592515	20.000	ng	0.00
86) Perylene-d12	15.563	264	419314	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1597034	121.325	ng	0.02
7) Phenol-d6	6.522	99	1890156	116.750	ng	0.00
23) Nitrobenzene-d5	7.463	82	1152826	81.217	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	527335	116.705	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2377383	72.432	ng	0.00
79) Terphenyl-d14	13.022	244	2704772	67.565	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	148904	14.869	ng	# 78
25) Isophorone	7.463	82	1135202	42.234	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	60170	10.697	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	60170	8.339	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	1105	7.422	ng	# 1
67) 4-Bromophenyl-phenylether	10.733	248	32269	3.349	ng	# 1
77) Benzidine	13.022	184	33857	3.144	ng	98

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

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QLast Update : Mon May 05 18:41:44 2025
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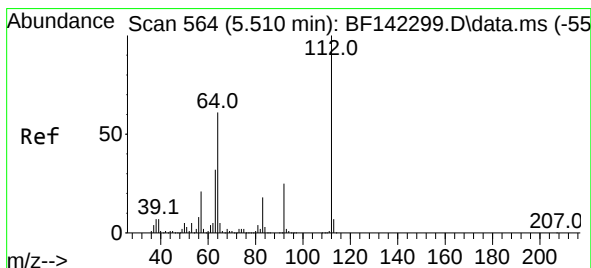
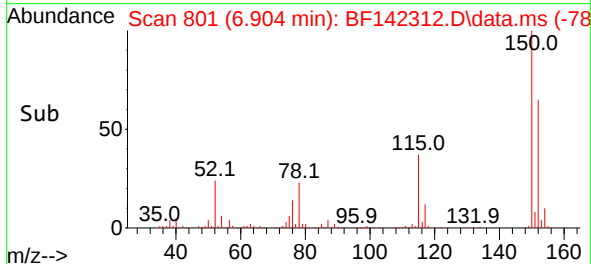
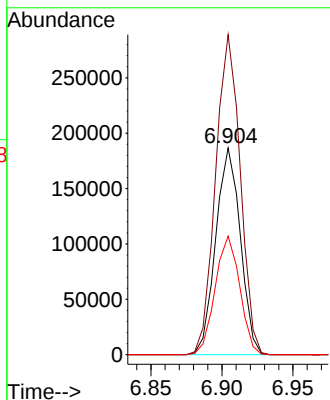
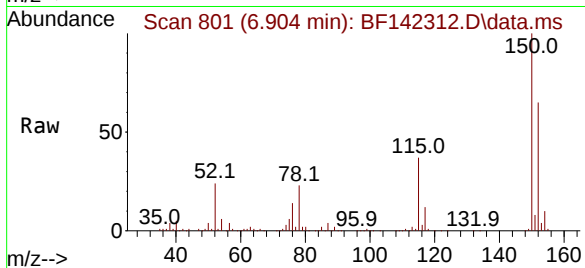




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

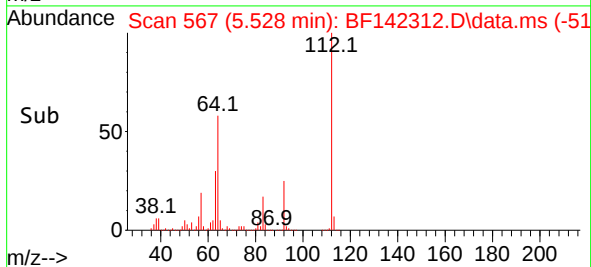
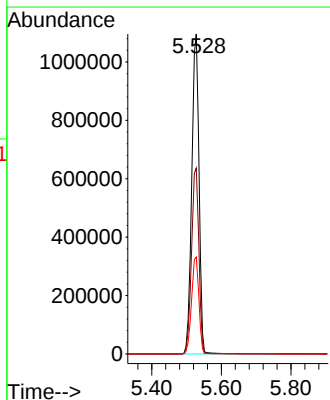
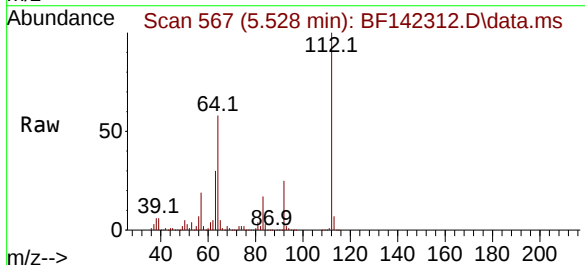
Instrument :
BNA_F
ClientSampleId :
PB167936BL

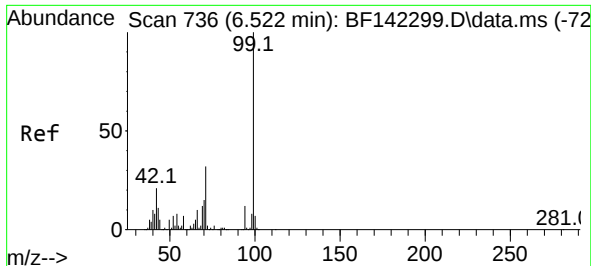
Tgt Ion:152 Resp: 224707
Ion Ratio Lower Upper
152 100
150 154.8 126.6 190.0
115 57.4 47.3 70.9



#5
2-Fluorophenol
Concen: 121.325 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

Tgt Ion:112 Resp: 1597034
Ion Ratio Lower Upper
112 100
64 58.1 48.9 73.3
63 30.3 25.6 38.4

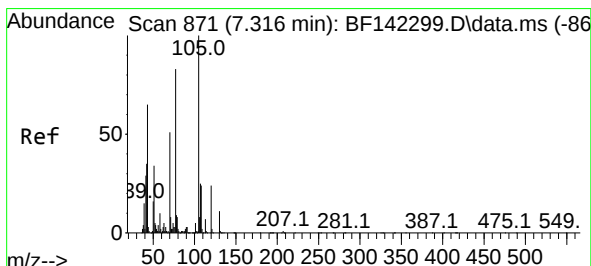
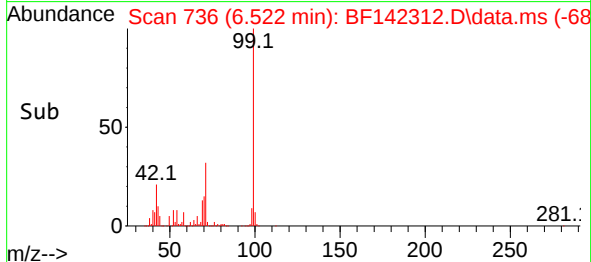
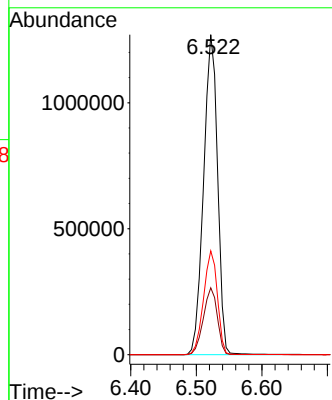
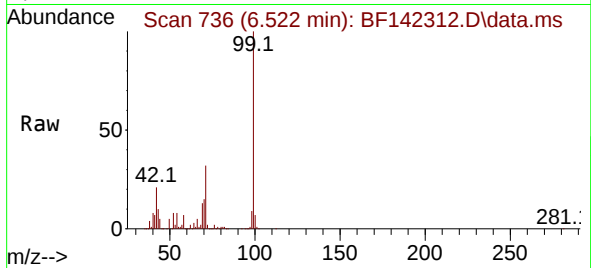




#7
Phenol-d6
Concen: 116.750 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

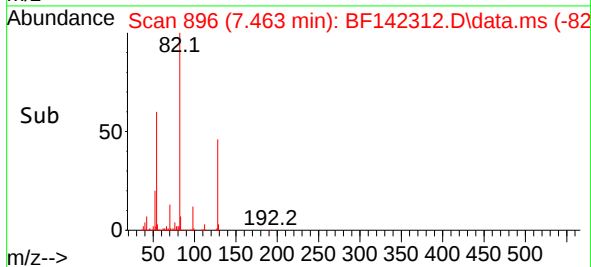
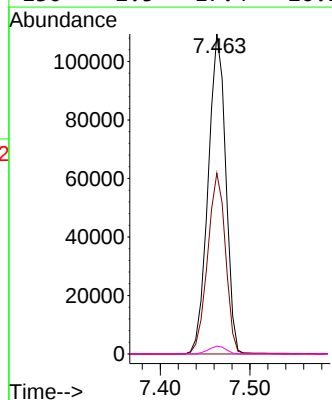
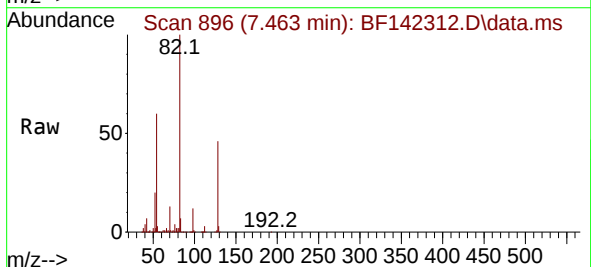
Instrument :
BNA_F
ClientSampleId :
PB167936BL

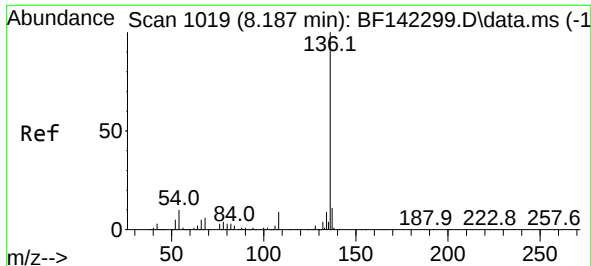
Tgt Ion: 99 Resp: 1890156
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.4
71 32.4 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.869 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

Tgt Ion: 70 Resp: 148904
Ion Ratio Lower Upper
70 100
42 56.5 54.8 82.2
101 0.0 7.7 11.5#
130 2.5 17.4 26.2#

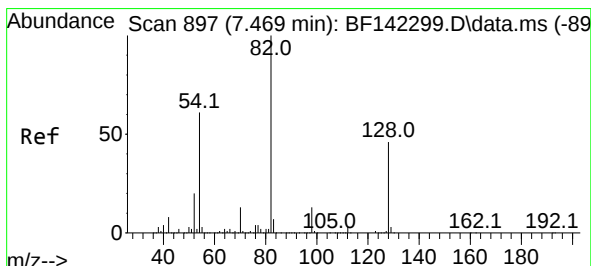
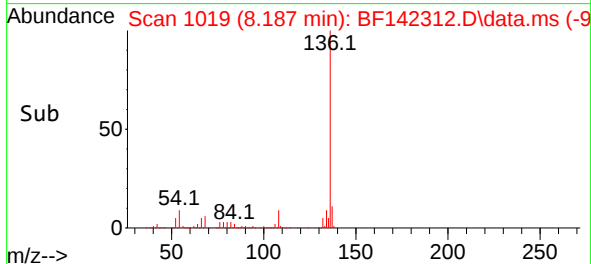
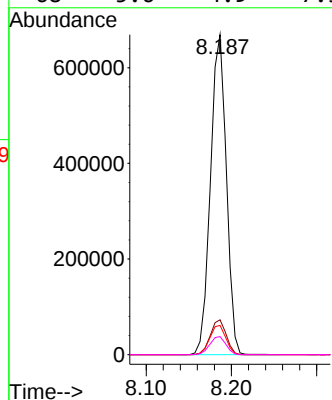
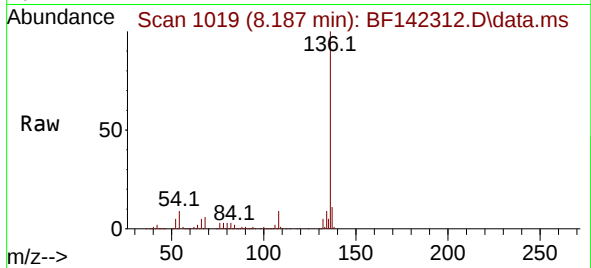




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

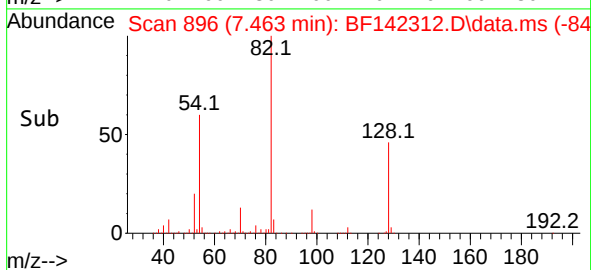
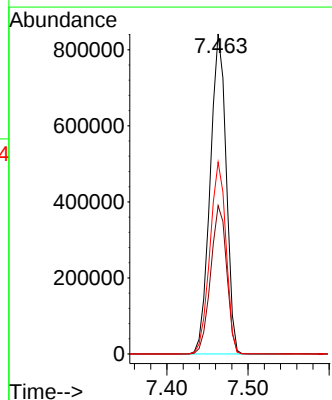
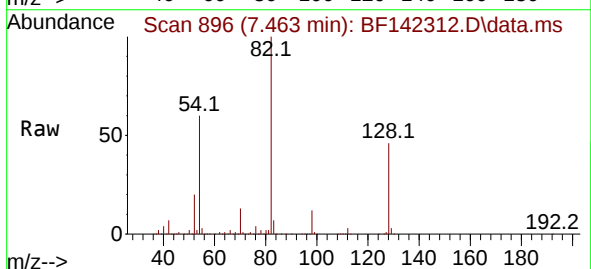
Instrument :
BNA_F
ClientSampleId :
PB167936BL

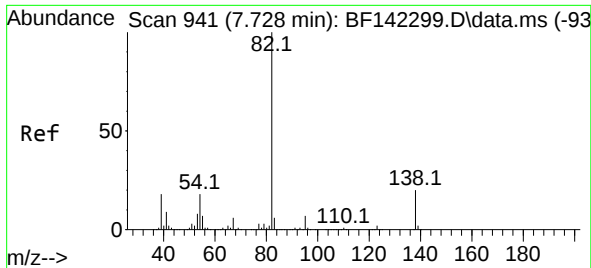
Tgt Ion:	136	Resp:	865671
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	7.7	11.5
68	5.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 81.217 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

Tgt Ion:	82	Resp:	1152826
Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	60.0	48.6	73.0

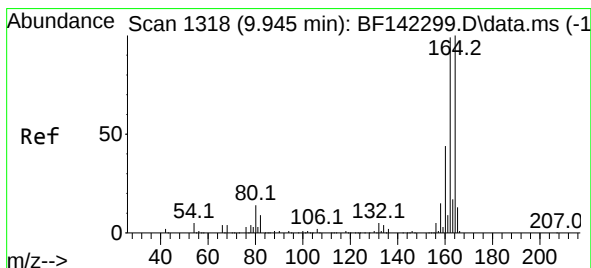
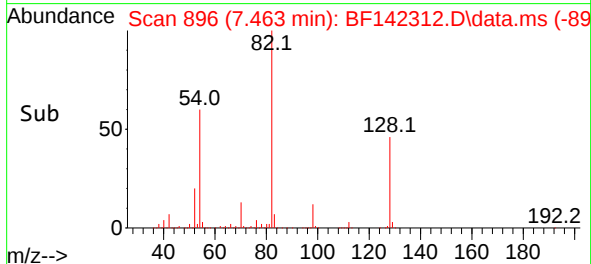
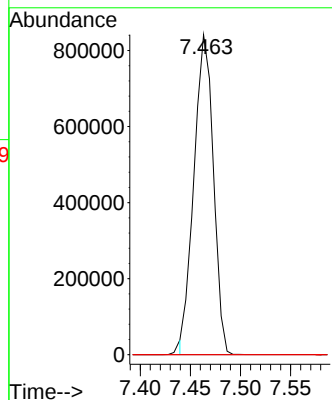
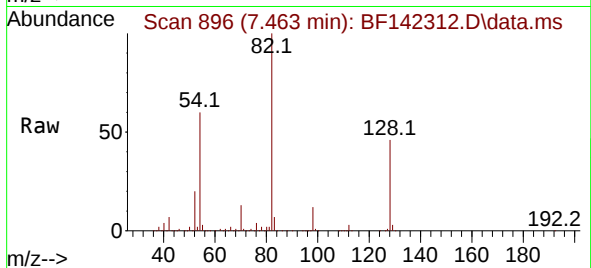




#25
Isophorone
Concen: 42.234 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

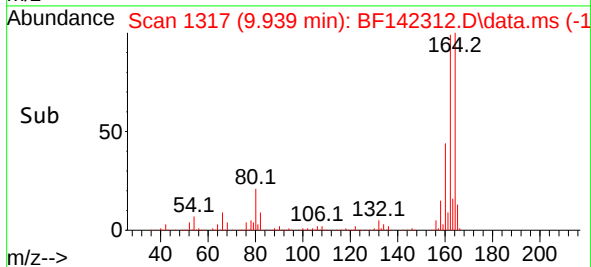
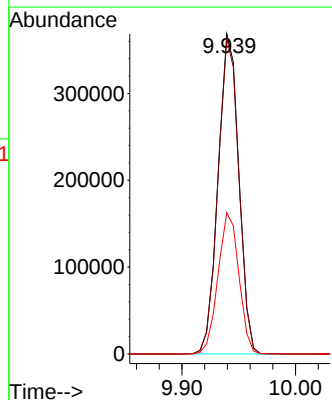
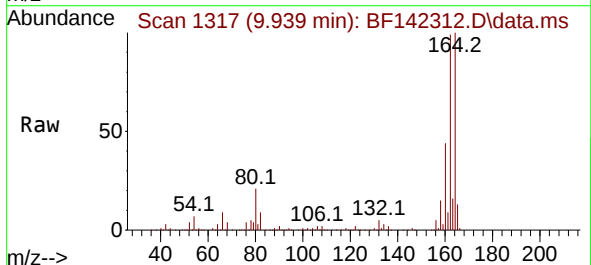
Instrument :
BNA_F
ClientSampleId :
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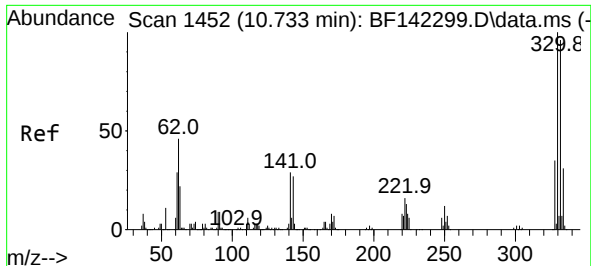
Tgt Ion: 82 Resp: 1135202
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

Tgt Ion:164 Resp: 468007
Ion Ratio Lower Upper
164 100
162 98.6 79.2 118.8
160 44.2 35.3 52.9

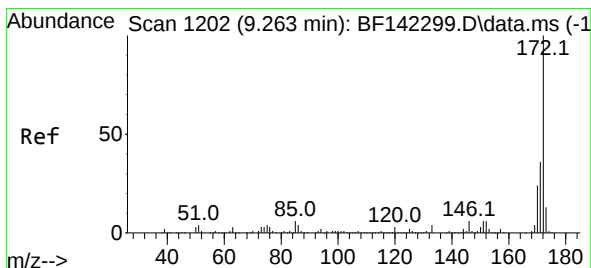
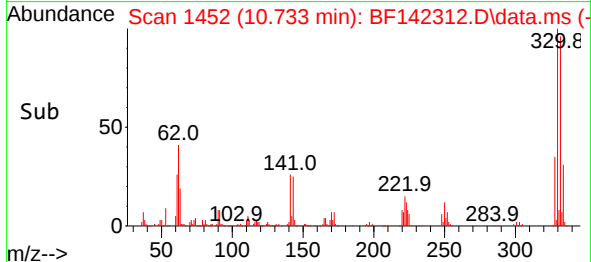
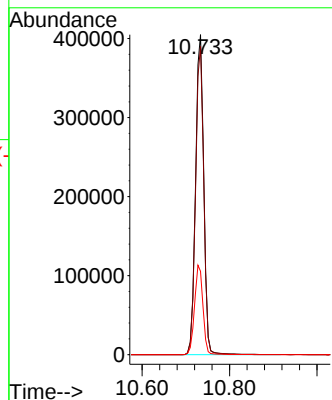
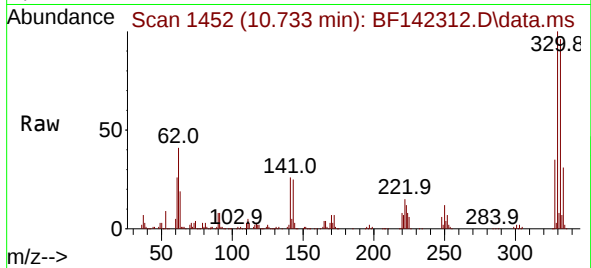




#42
 2,4,6-Tribromophenol
 Concen: 116.705 ng
 RT: 10.733 min Scan# 1452
 Delta R.T. -0.000 min
 Lab File: BF142312.D
 Acq: 12 May 2025 11:16

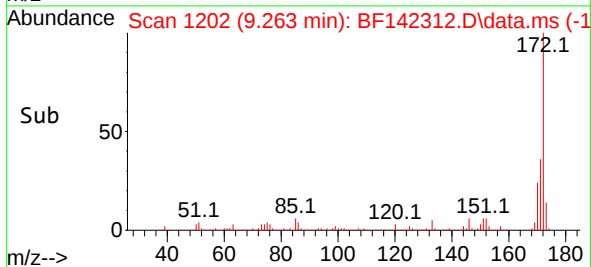
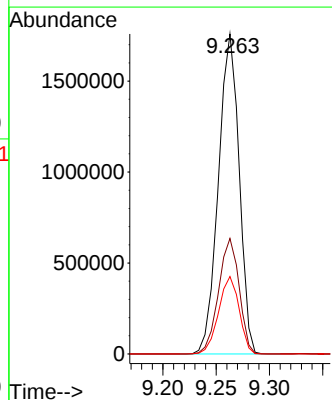
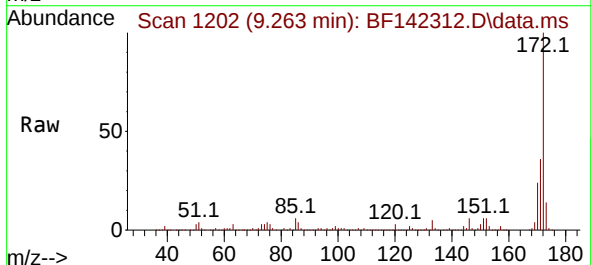
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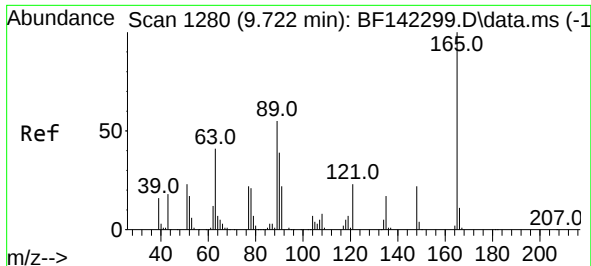
Tgt Ion:330 Resp: 527335
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.8 115.2
 141 28.8 24.9 37.3



#45
 2-Fluorobiphenyl
 Concen: 72.432 ng
 RT: 9.263 min Scan# 1202
 Delta R.T. -0.000 min
 Lab File: BF142312.D
 Acq: 12 May 2025 11:16

Tgt Ion:172 Resp: 2377383
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 42.8
 170 24.2 19.0 28.4

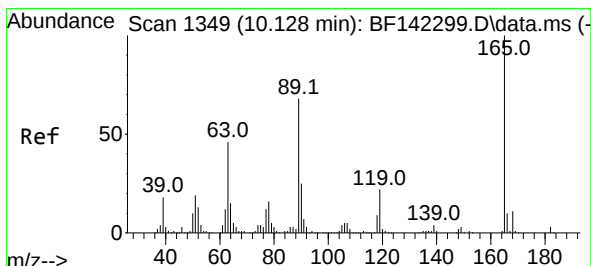
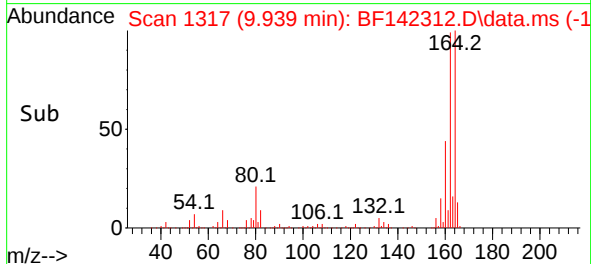
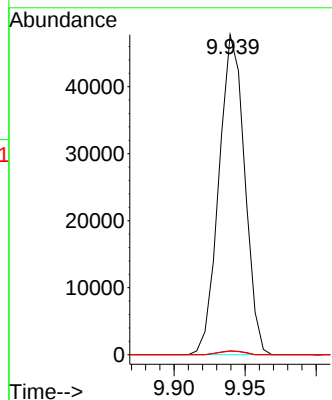
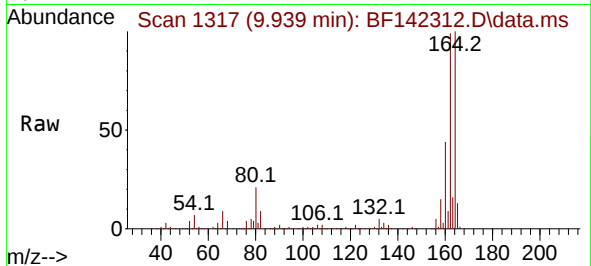




#51
2,6-Dinitrotoluene
Concen: 10.697 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

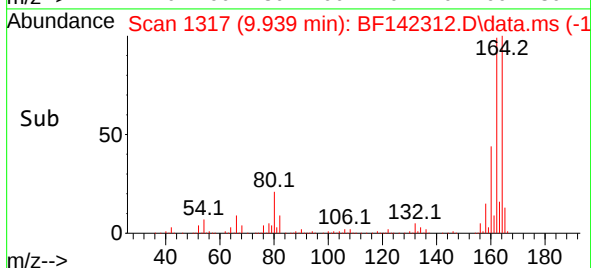
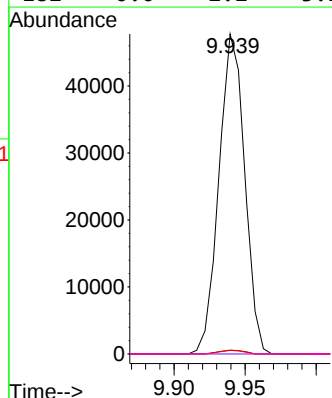
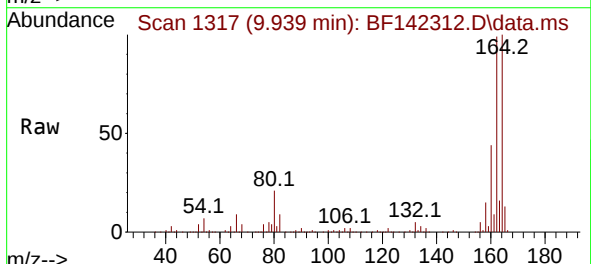
Instrument :
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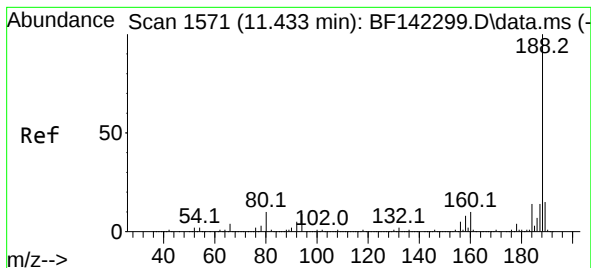
Tgt Ion:165 Resp: 60170
Ion Ratio Lower Upper
165 100
63 1.2 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.339 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

Tgt Ion:165 Resp: 60170
Ion Ratio Lower Upper
165 100
63 1.2 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142312.D

Acq: 12 May 2025 11:16

Instrument :

BNA_F

ClientSampleId :

PB167936BL

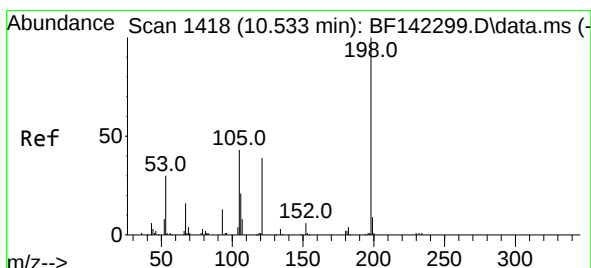
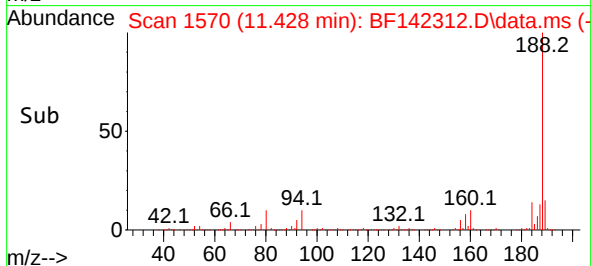
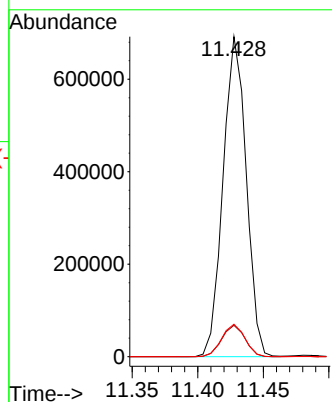
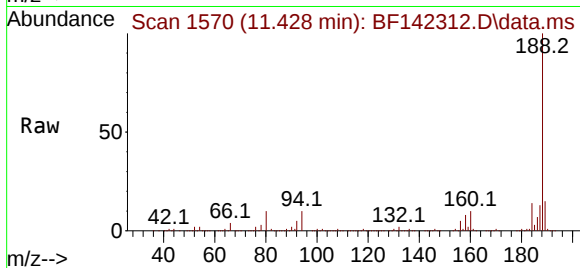
Tgt Ion:188 Resp: 850111

Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 10.2 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.422 ng

RT: 10.728 min Scan# 1451

Delta R.T. 0.195 min

Lab File: BF142312.D

Acq: 12 May 2025 11:16

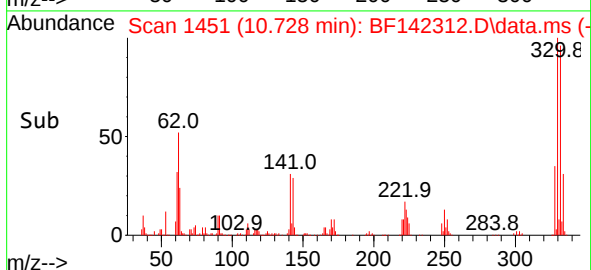
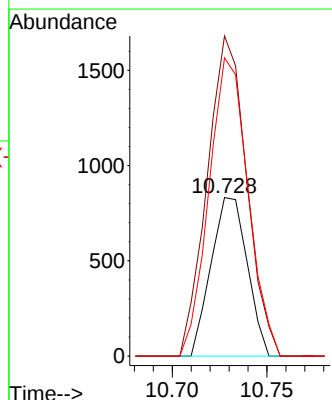
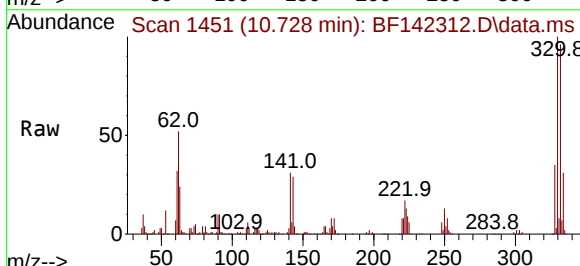
Tgt Ion:198 Resp: 1105

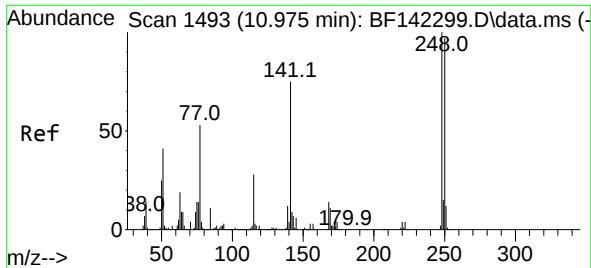
Ion Ratio Lower Upper

198 100

51 202.0 32.9 72.9#

105 188.2 23.7 63.7#

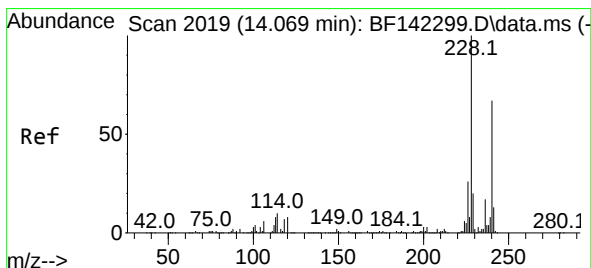
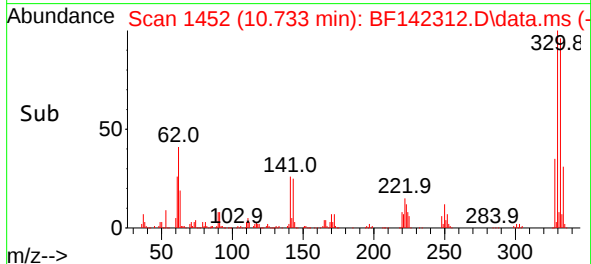
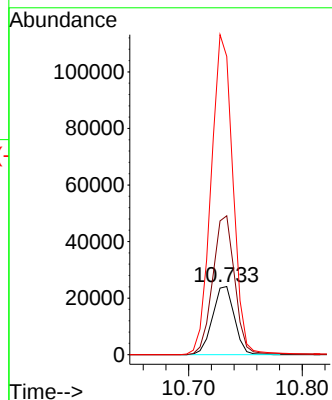
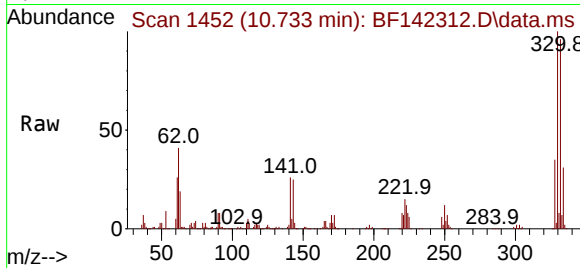




#67
4-Bromophenyl-phenylether
Concen: 3.349 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

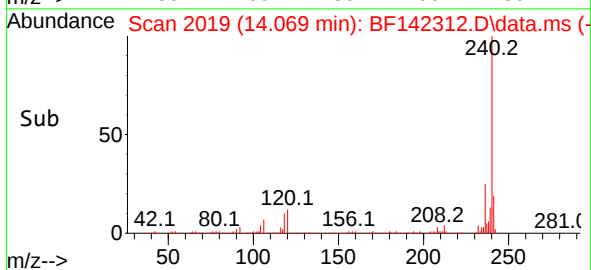
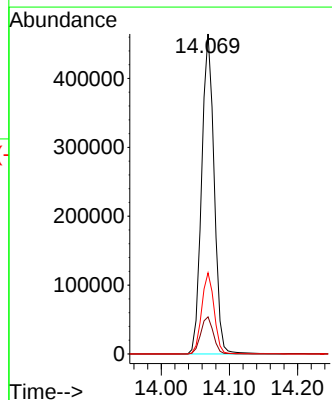
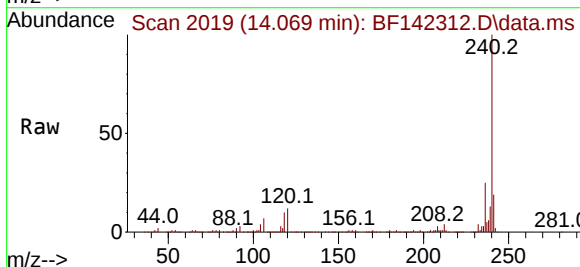
Instrument :
BNA_F
ClientSampleId :
PB167936BL

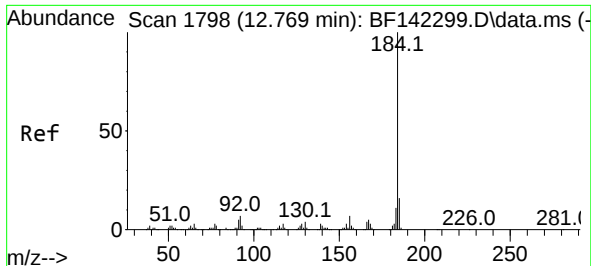
Tgt Ion:248 Resp: 32269
Ion Ratio Lower Upper
248 100
250 203.6 77.9 116.9#
141 437.2 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

Tgt Ion:240 Resp: 592515
Ion Ratio Lower Upper
240 100
120 11.6 9.7 14.5
236 25.4 20.0 30.0

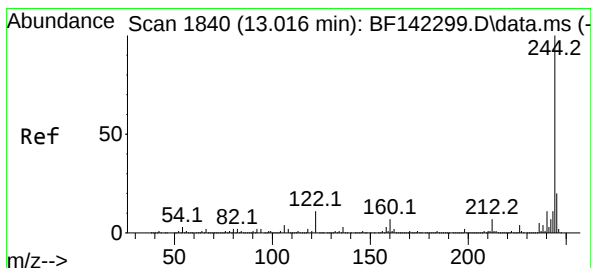
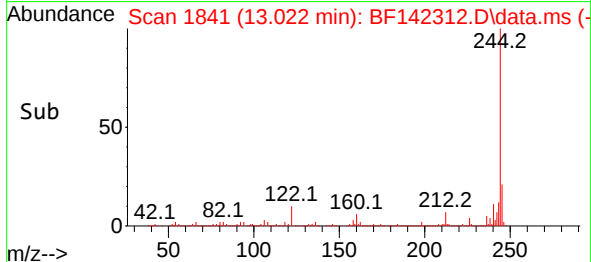
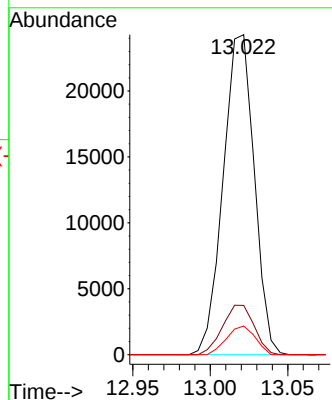
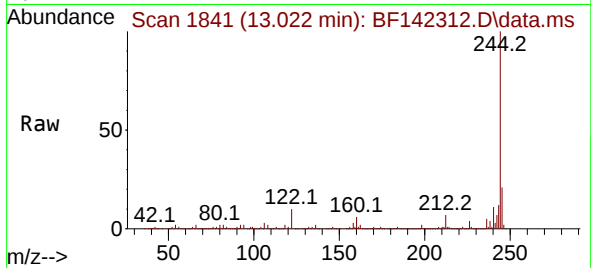




#77
Benzidine
Concen: 3.144 ng
RT: 13.022 min Scan# 1841
Delta R.T. 0.253 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

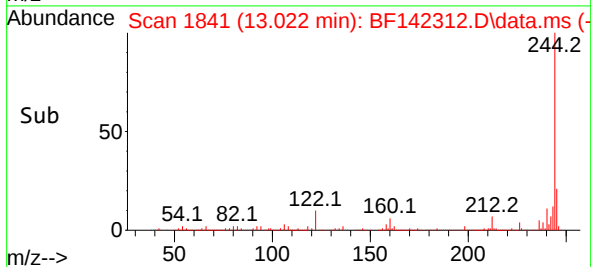
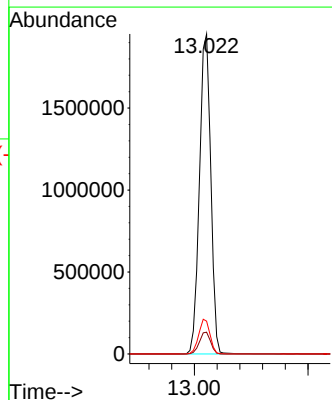
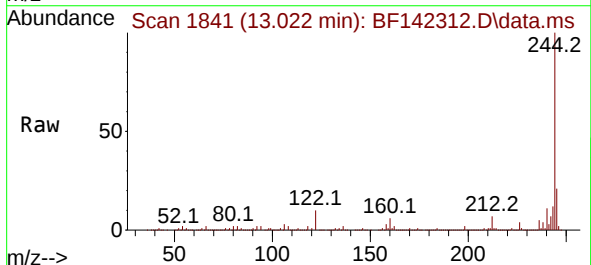
Instrument :
BNA_F
ClientSampleId :
PB167936BL

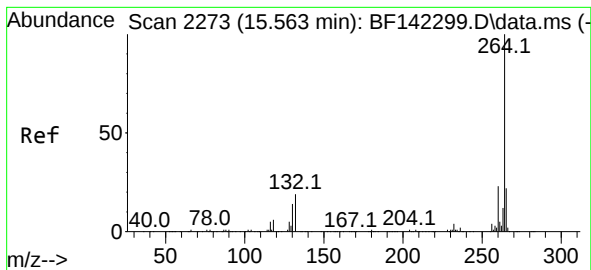
Tgt Ion:184 Resp: 33857
Ion Ratio Lower Upper
184 100
185 15.4 12.6 18.8
183 9.0 8.6 12.8



#79
Terphenyl-d14
Concen: 67.565 ng
RT: 13.022 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BF142312.D
Acq: 12 May 2025 11:16

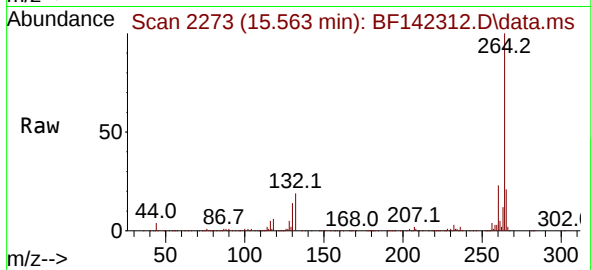
Tgt Ion:244 Resp: 2704772
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.3 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF142312.D
 Acq: 12 May 2025 11:16

Instrument :
 BNA_F
 ClientSampleId :
 PB167936BL



Tgt Ion:264 Resp: 419314
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 21.4 17.5 26.3

