

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
 Data File : BF142012.D
 Acq On : 20 Mar 2025 15:37
 Operator : RC/JU
 Sample : Q1606-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

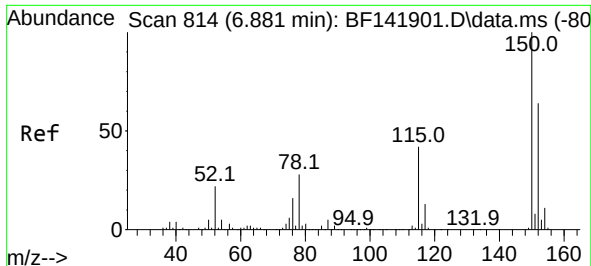
Instrument :
 BNA_F
 ClientSampleId :
 RBR251346

Quant Time: Mar 20 15:57:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140353	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	519571	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	250016	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	312261	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	280750	20.000	ng	0.00
86) Perylene-d12	15.504	264	322115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	964426	114.681	ng	0.00
7) Phenol-d6	6.498	99	1180115	110.216	ng	0.00
23) Nitrobenzene-d5	7.434	82	763846	82.734	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	273751	86.308	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1397012	84.978	ng	-0.01
79) Terphenyl-d14	12.980	244	1013907	53.393	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	107621	15.642	ng	# 77
25) Isophorone	7.434	82	747566	45.807	ng	# 64
31) Naphthalene	8.175	128	155713	5.834	ng	# 99
51) 2,6-Dinitrotoluene	9.910	165	33157	9.096	ng	# 26
54) 2,4-Dinitrophenol	9.928	184	183	6.655	ng	# 1
57) 2,4-Dinitrotoluene	9.910	165	33172	6.967	ng	# 27
63) Azobenzene	10.622	77	113294	6.980	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	17487	4.459	ng	# 1
77) Benzidine	12.980	184	14104	3.601	ng	# 88

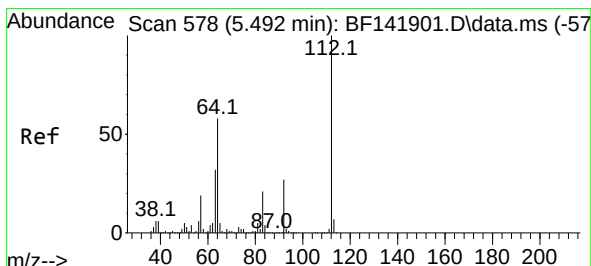
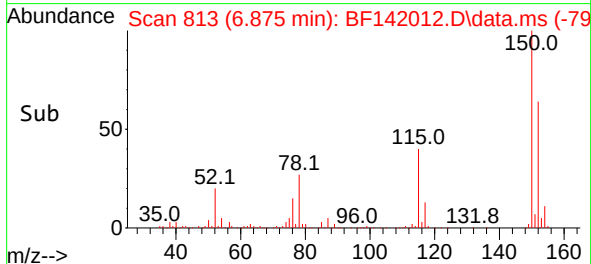
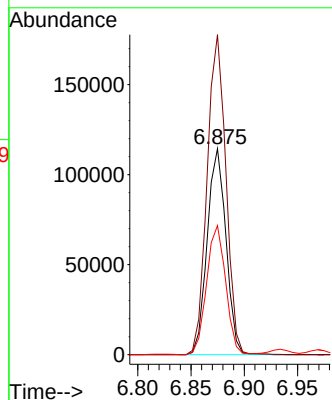
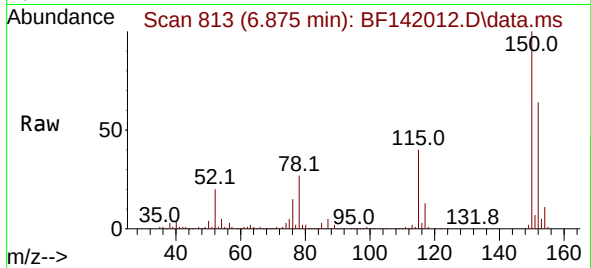
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

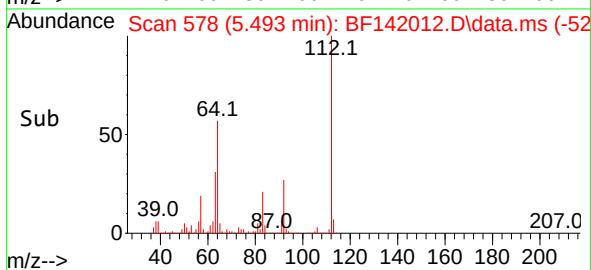
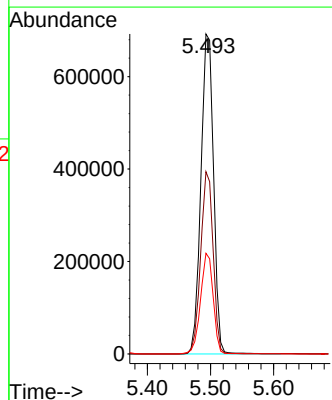
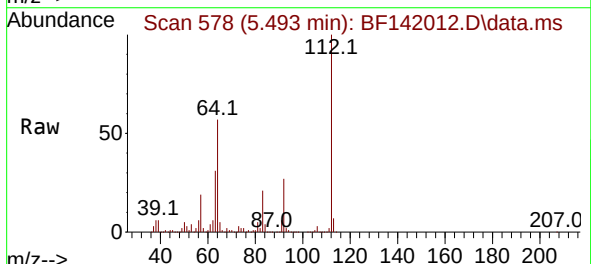
Instrument :
BNA_F
ClientSampleId :
RBR251346

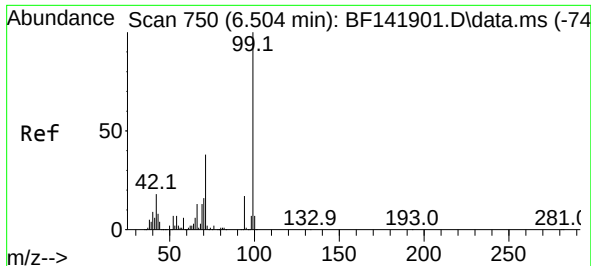
Tgt Ion:152 Resp: 140353
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.2
115 62.6 51.9 77.9



#5
2-Fluorophenol
Concen: 114.681 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

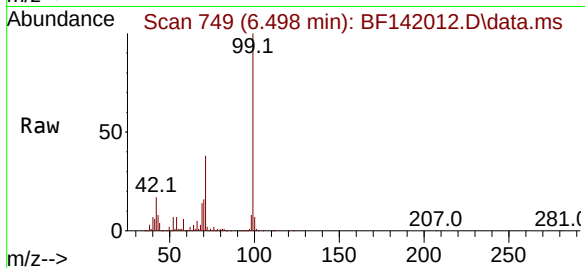
Tgt Ion:112 Resp: 964426
Ion Ratio Lower Upper
112 100
64 56.9 46.5 69.7
63 31.5 25.4 38.2





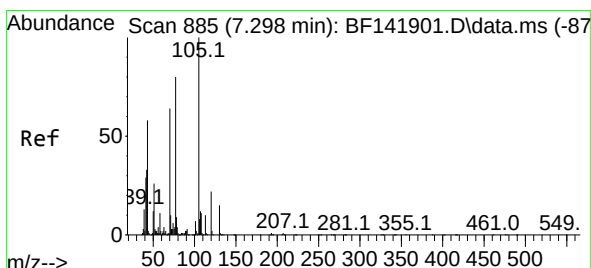
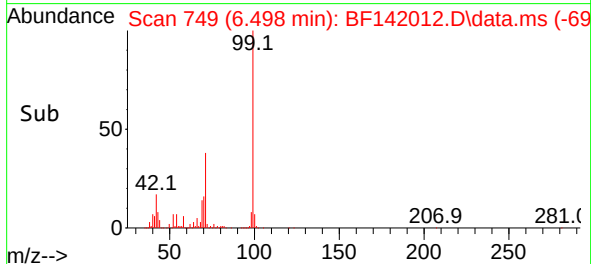
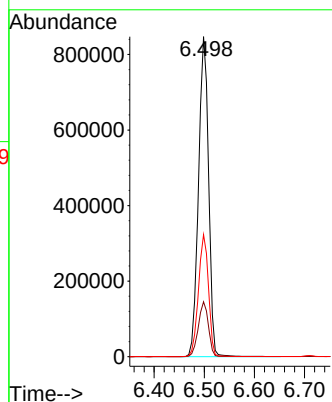
#7
Phenol-d6
Concen: 110.216 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Instrument :
BNA_F
ClientSampleId :
RBR251346



Tgt Ion: 99 Resp: 1180115

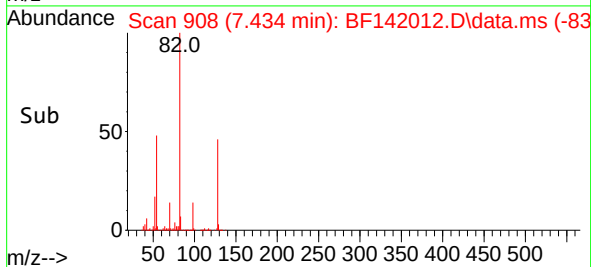
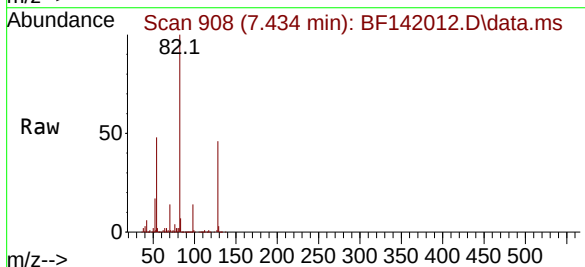
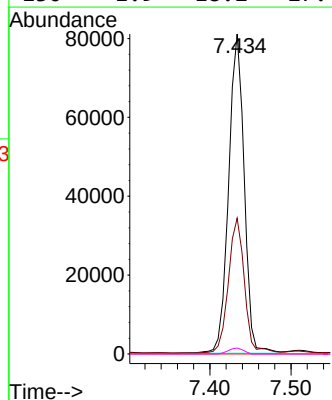
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	38.2	30.8	46.2

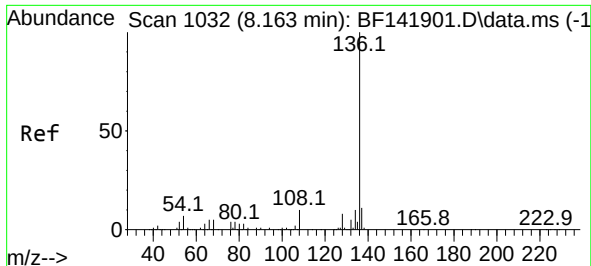


#19
n-Nitroso-di-n-propylamine
Concen: 15.642 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion: 70 Resp: 107621

Ion	Ratio	Lower	Upper
70	100		
42	42.5	41.4	62.0
101	0.0	8.2	12.2#
130	1.9	18.2	27.4#



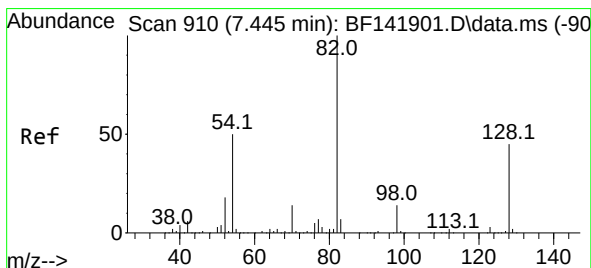
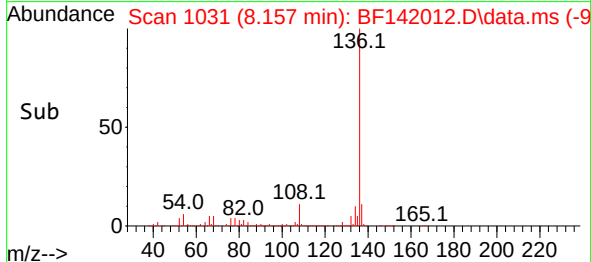
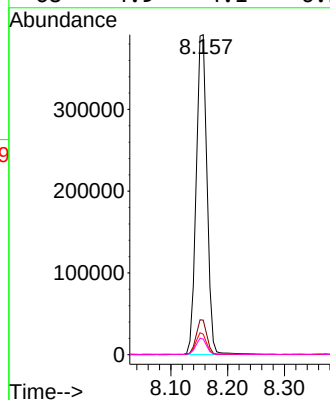
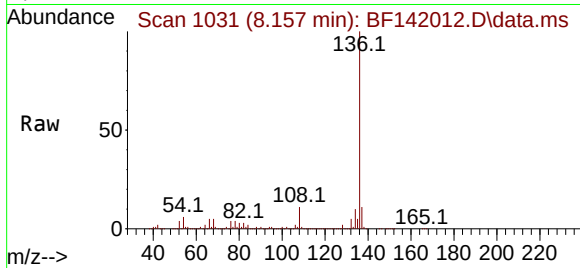


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Instrument :
BNA_F
ClientSampleId :
RBR251346

Tgt Ion:136 Resp: 519571

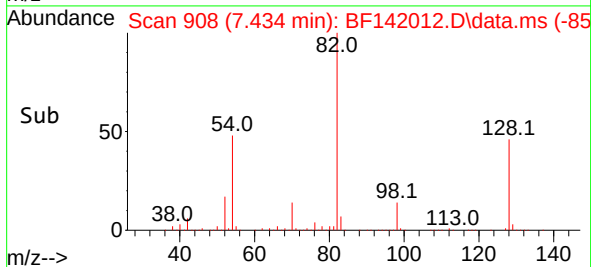
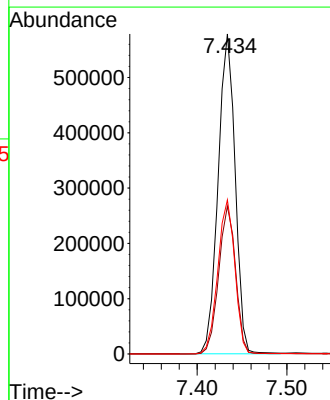
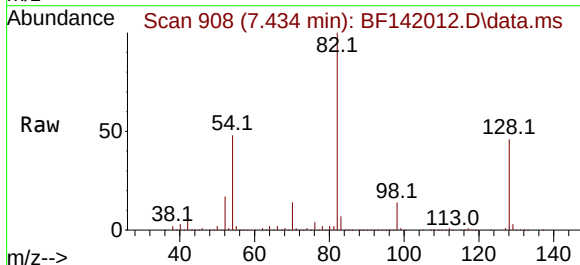
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.8	8.8
68	4.9	4.1	6.1

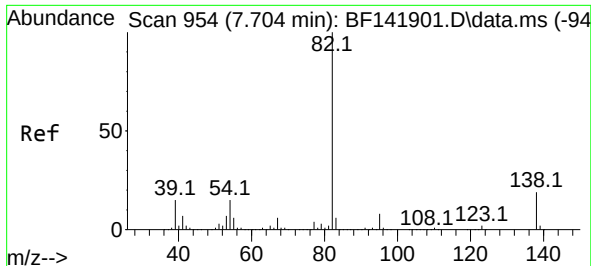


#23
Nitrobenzene-d5
Concen: 82.734 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion: 82 Resp: 763846

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.0	54.0
54	48.1	39.6	59.4

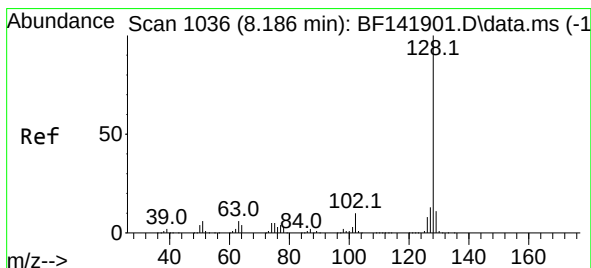
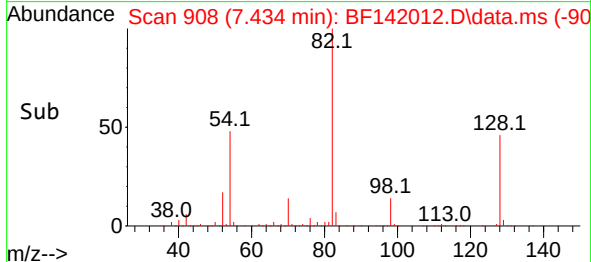
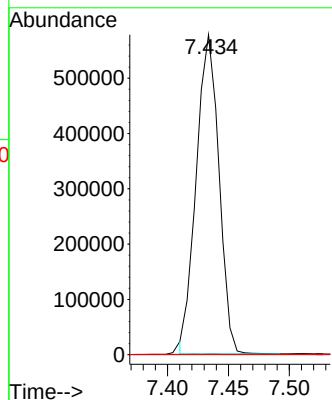
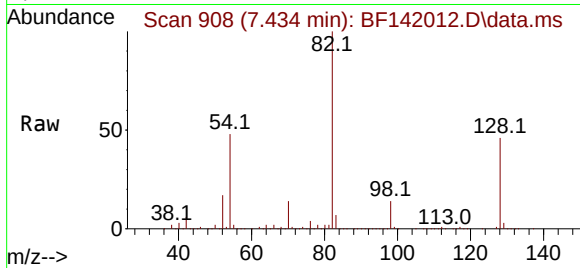




#25
Isophorone
Concen: 45.807 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

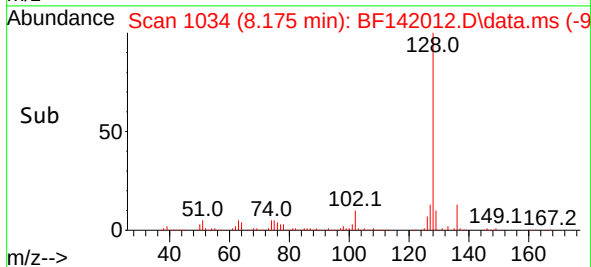
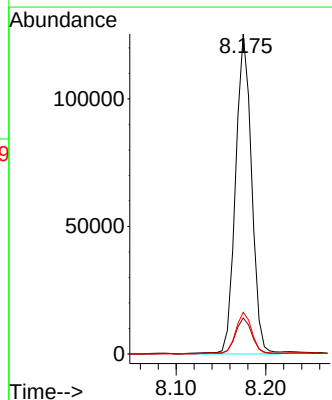
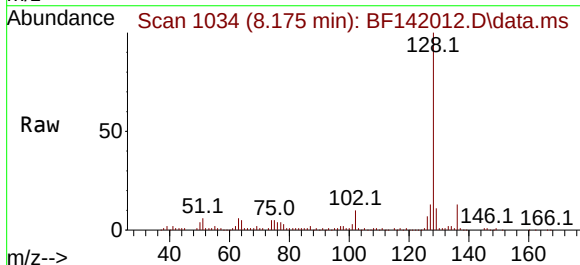
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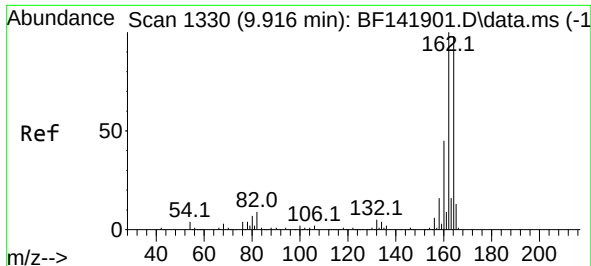
Tgt Ion: 82 Resp: 747566
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 5.834 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion:128 Resp: 155713
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.0 10.8 16.2

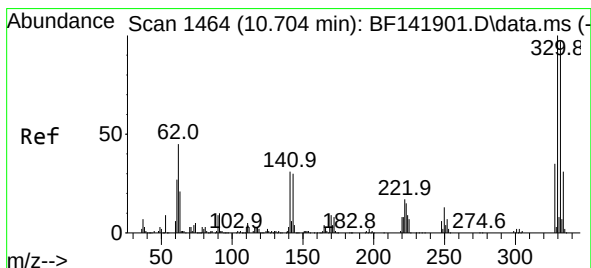
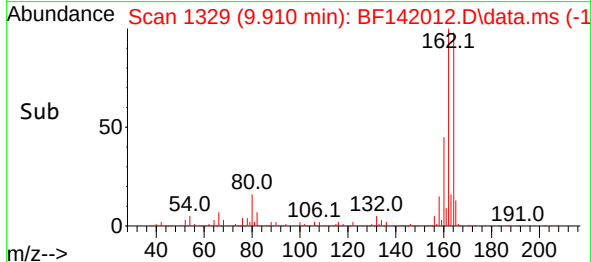
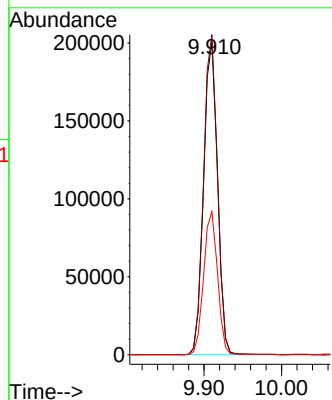
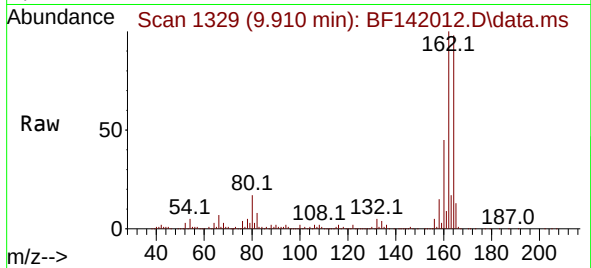




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

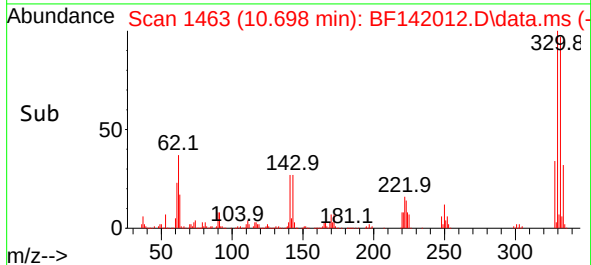
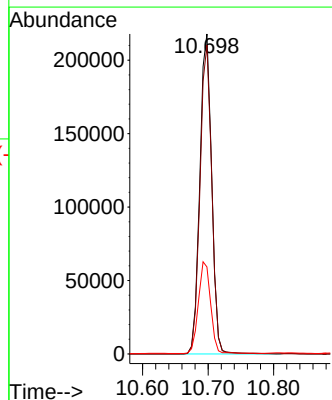
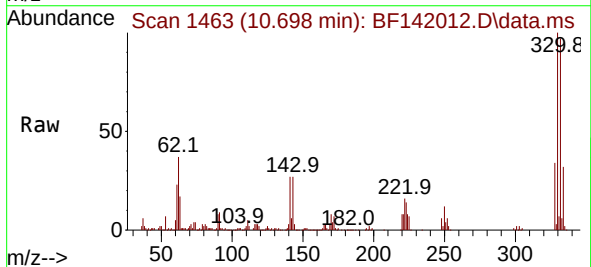
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ClientSampleId :
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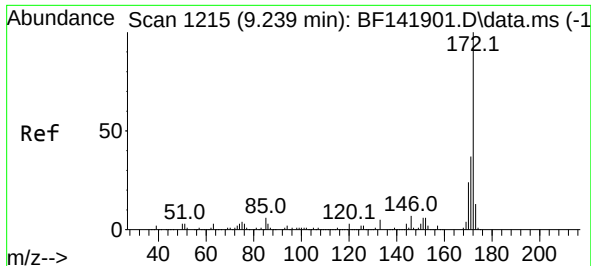
Tgt Ion:164 Resp: 250016
Ion Ratio Lower Upper
164 100
162 102.2 81.8 122.6
160 45.7 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 86.308 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion:330 Resp: 273751
Ion Ratio Lower Upper
330 100
332 96.1 77.6 116.4
141 29.6 24.7 37.1

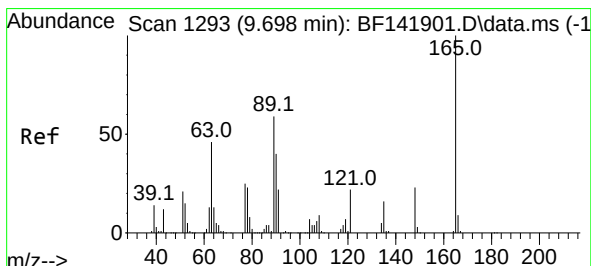
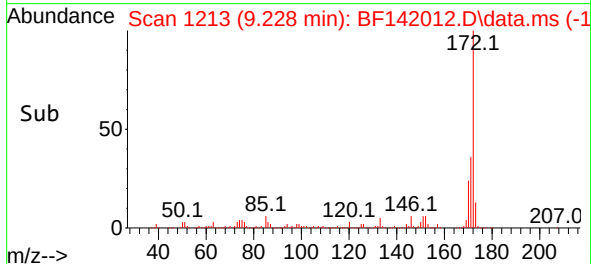
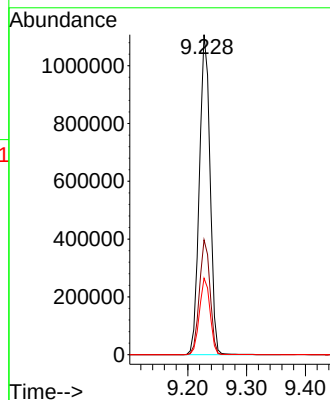
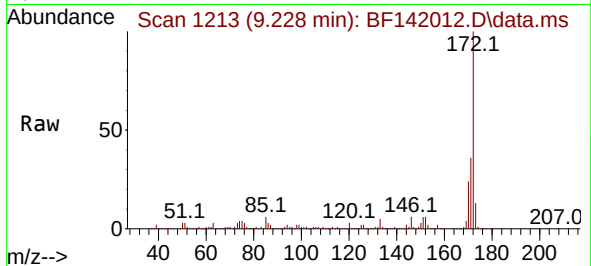




#45
2-Fluorobiphenyl
Concen: 84.978 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

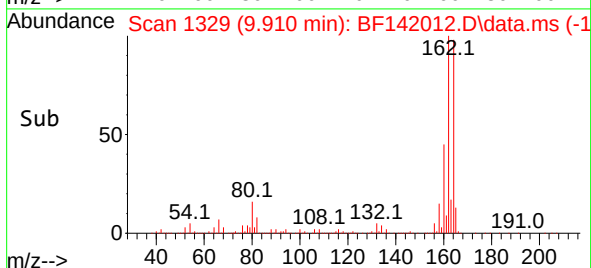
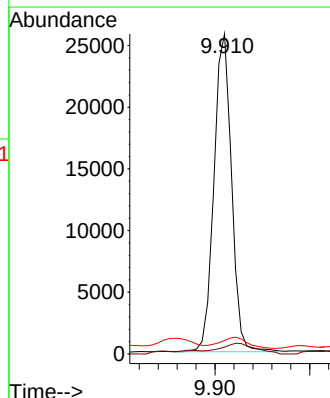
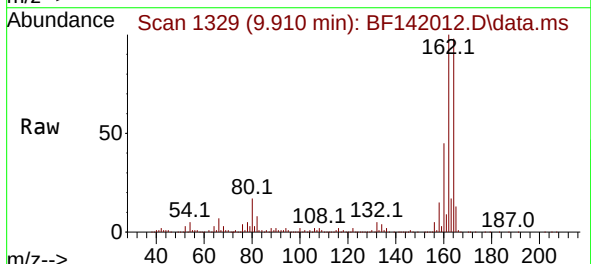
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BNA_F
ClientSampleId :
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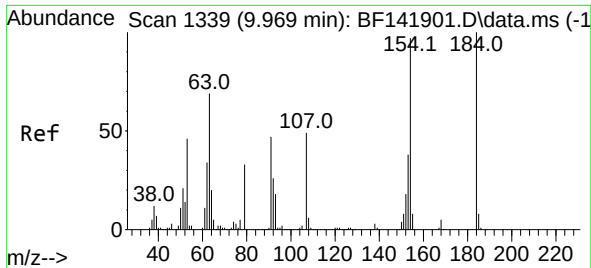
Tgt Ion:172 Resp: 1397012
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.9 19.4 29.0



#51
2,6-Dinitrotoluene
Concen: 9.096 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion:165 Resp: 33157
Ion Ratio Lower Upper
165 100
63 2.2 47.0 70.4#
89 4.2 47.4 71.2#

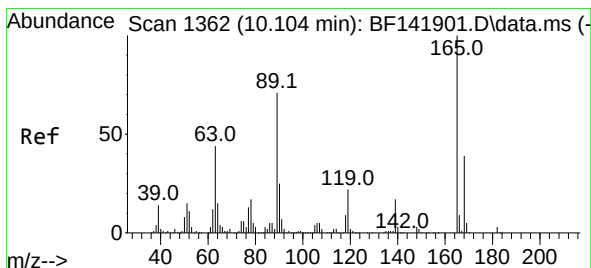
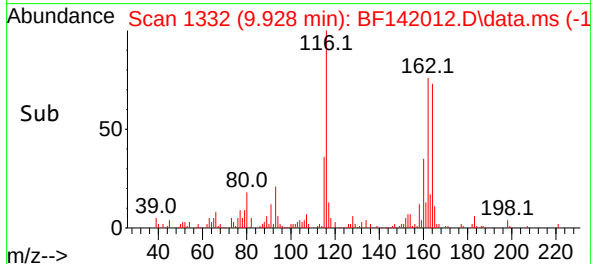
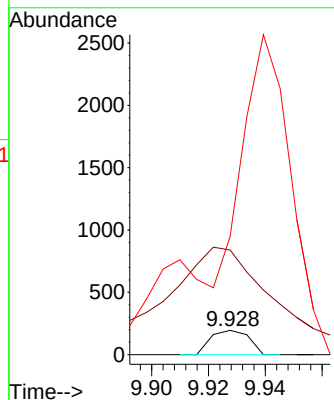
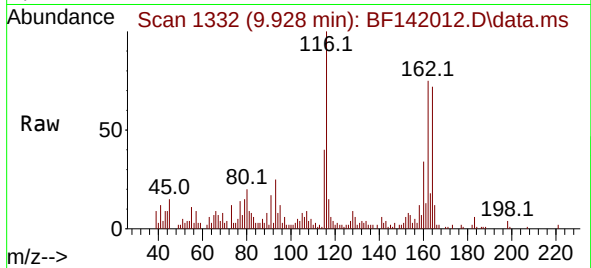




#54
2,4-Dinitrophenol
Concen: 6.655 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

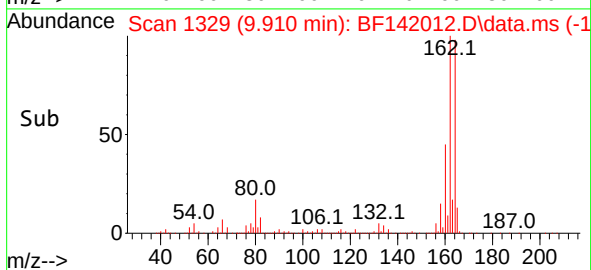
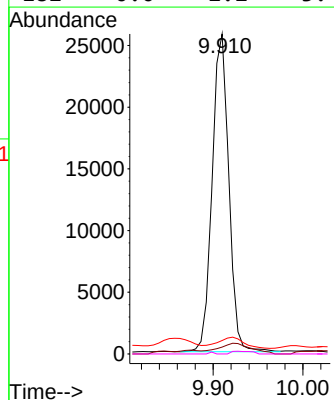
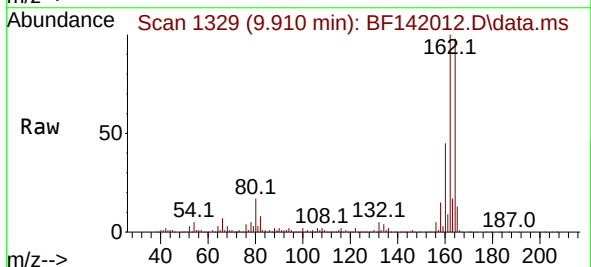
Instrument :
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ClientSampleId :
RBR251346

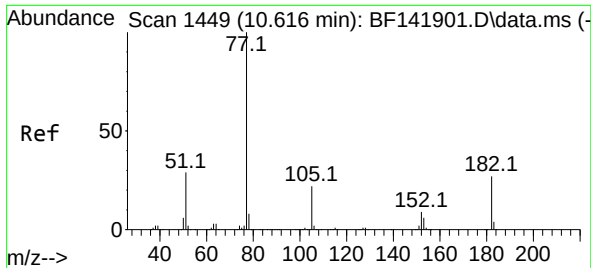
Tgt Ion:184 Resp: 183
Ion Ratio Lower Upper
184 100
63 430.3 60.2 90.4#
154 486.2 132.9 199.3#



#57
2,4-Dinitrotoluene
Concen: 6.967 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion:165 Resp: 33172
Ion Ratio Lower Upper
165 100
63 2.2 35.4 53.2#
89 4.2 56.6 84.8#
182 0.0 2.2 3.4#

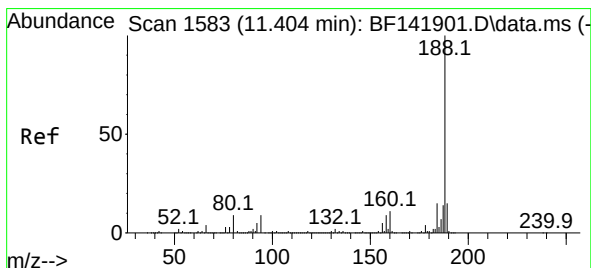
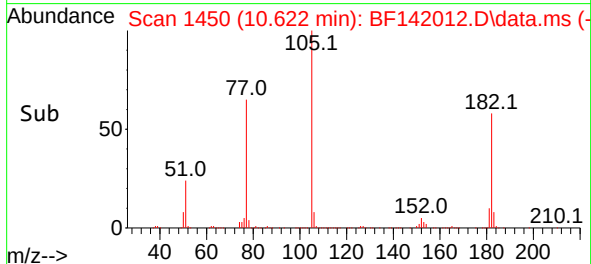
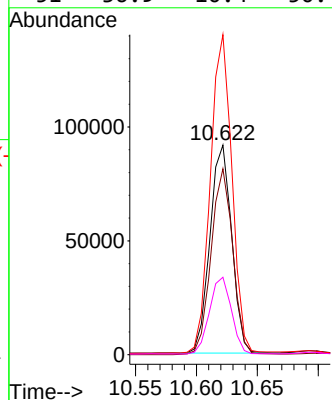
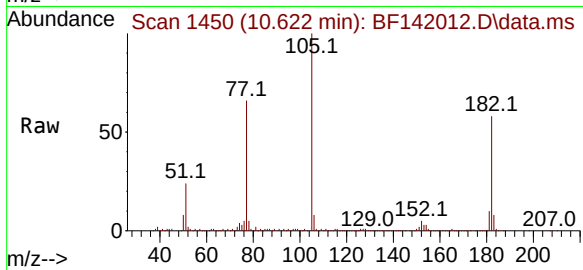




#63
Azobenzene
Concen: 6.980 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

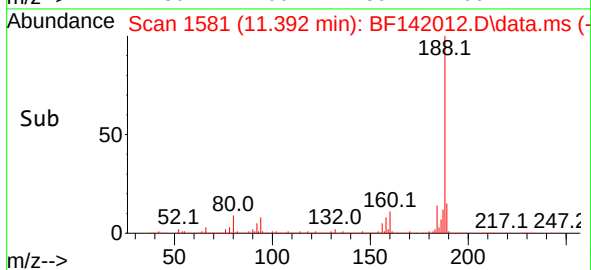
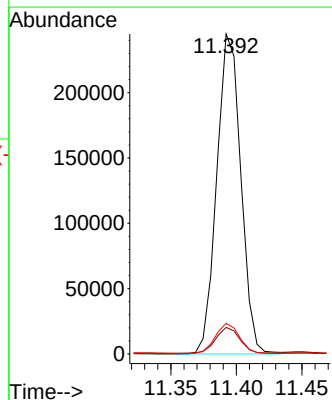
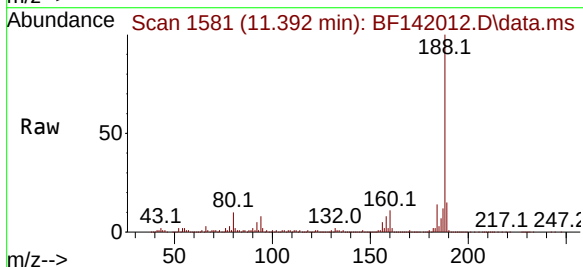
Instrument :
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ClientSampleId :
RBR251346

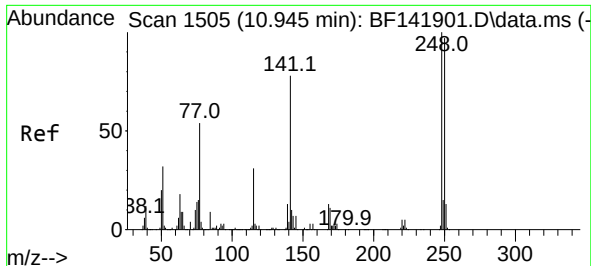
Tgt Ion: 77	Resp: 113294
Ion Ratio	Lower Upper
77	100
182	88.7 6.6 46.6#
105	152.6 1.3 41.3#
51	36.9 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion: 188	Resp: 312261
Ion Ratio	Lower Upper
188	100
94	8.3 6.8 10.2
80	9.6 7.6 11.4

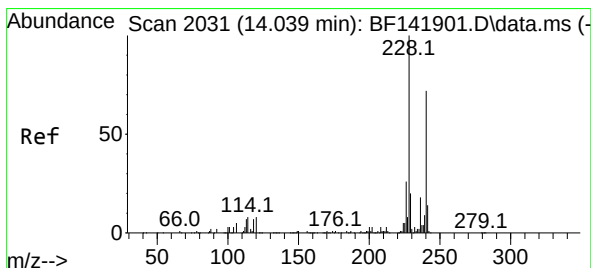
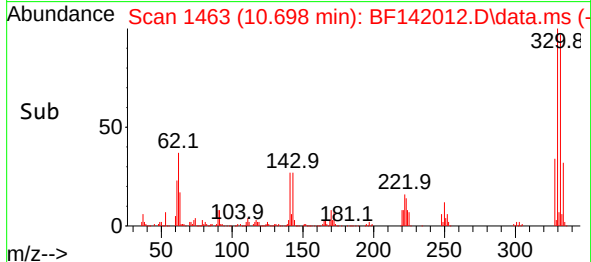
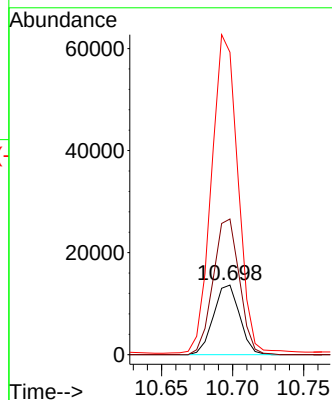
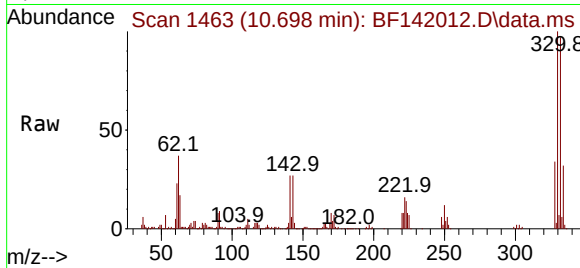




#67
4-Bromophenyl-phenylether
Concen: 4.459 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

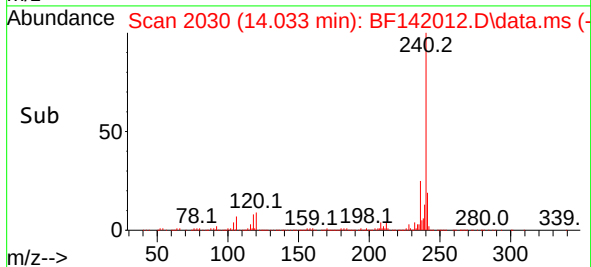
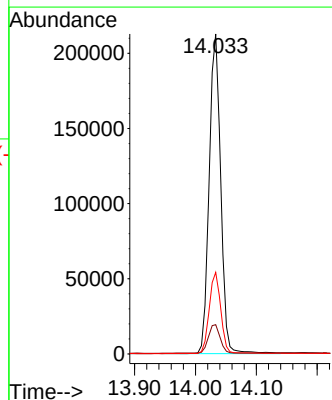
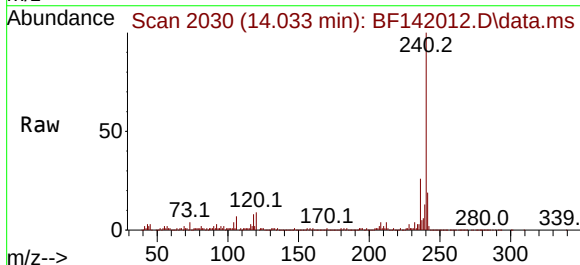
Instrument :
BNA_F
ClientSampleId :
RBR251346

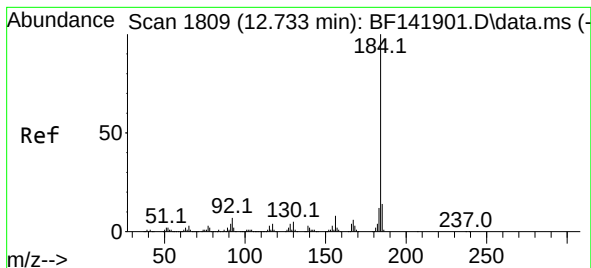
Tgt Ion:248 Resp: 17487
Ion Ratio Lower Upper
248 100
250 194.9 77.8 116.8#
141 434.3 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142012.D
Acq: 20 Mar 2025 15:37

Tgt Ion:240 Resp: 280750
Ion Ratio Lower Upper
240 100
120 9.1 8.4 12.6
236 25.5 20.5 30.7





#77

Benzidine

Concen: 3.601 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142012.D

Acq: 20 Mar 2025 15:37

Instrument :

BNA_F

ClientSampleId :

RBR251346

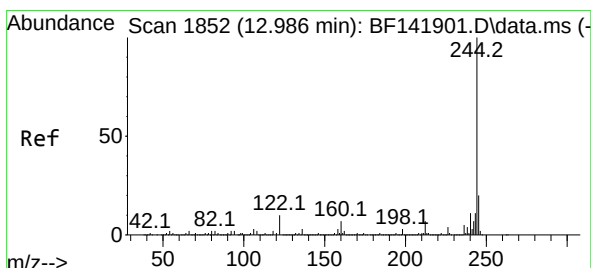
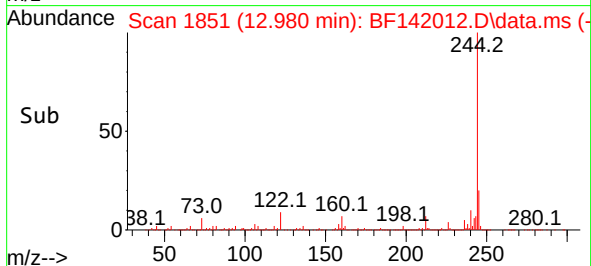
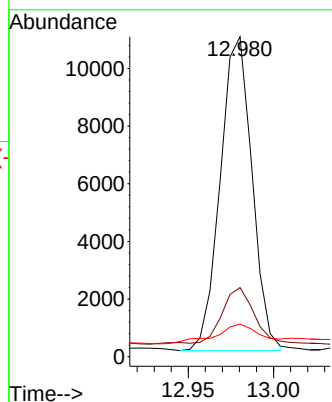
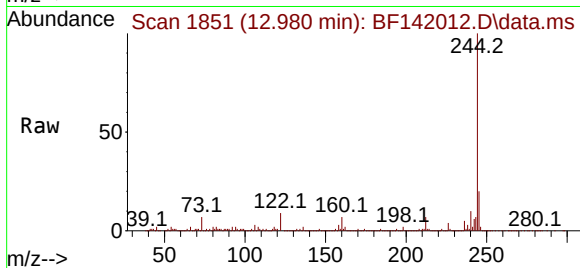
Tgt Ion:184 Resp: 14104

Ion Ratio Lower Upper

184 100

185 21.6 11.5 17.3#

183 10.2 9.7 14.5



#79

Terphenyl-d14

Concen: 53.393 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142012.D

Acq: 20 Mar 2025 15:37

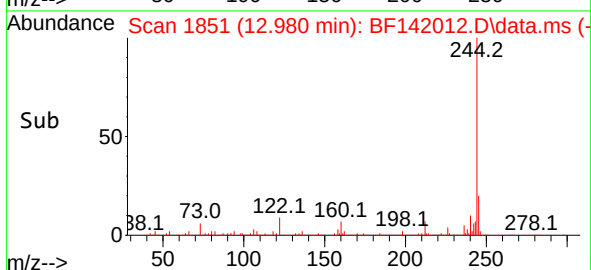
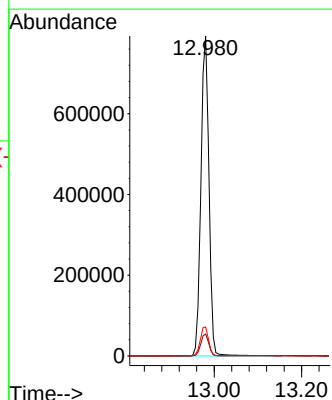
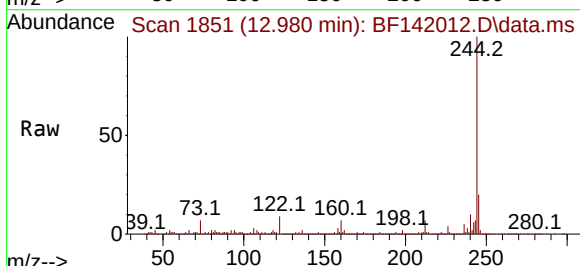
Tgt Ion:244 Resp: 1013907

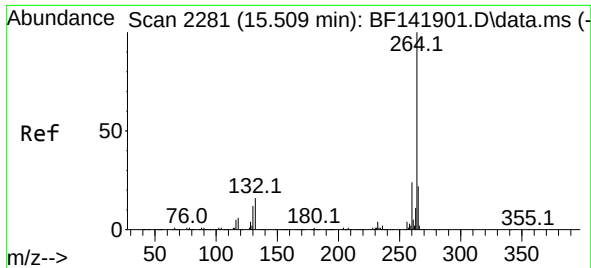
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.1 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142012.D
 Acq: 20 Mar 2025 15:37

Instrument :
 BNA_F
 ClientSampleId :
 RBR251346

Tgt Ion:264 Resp: 322115
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 22.0 17.5 26.3

