

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142934.D
 Acq On : 01 Jul 2025 00:45
 Operator : RC/JU
 Sample : Q2452-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-2

Quant Time: Jul 01 01:26:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

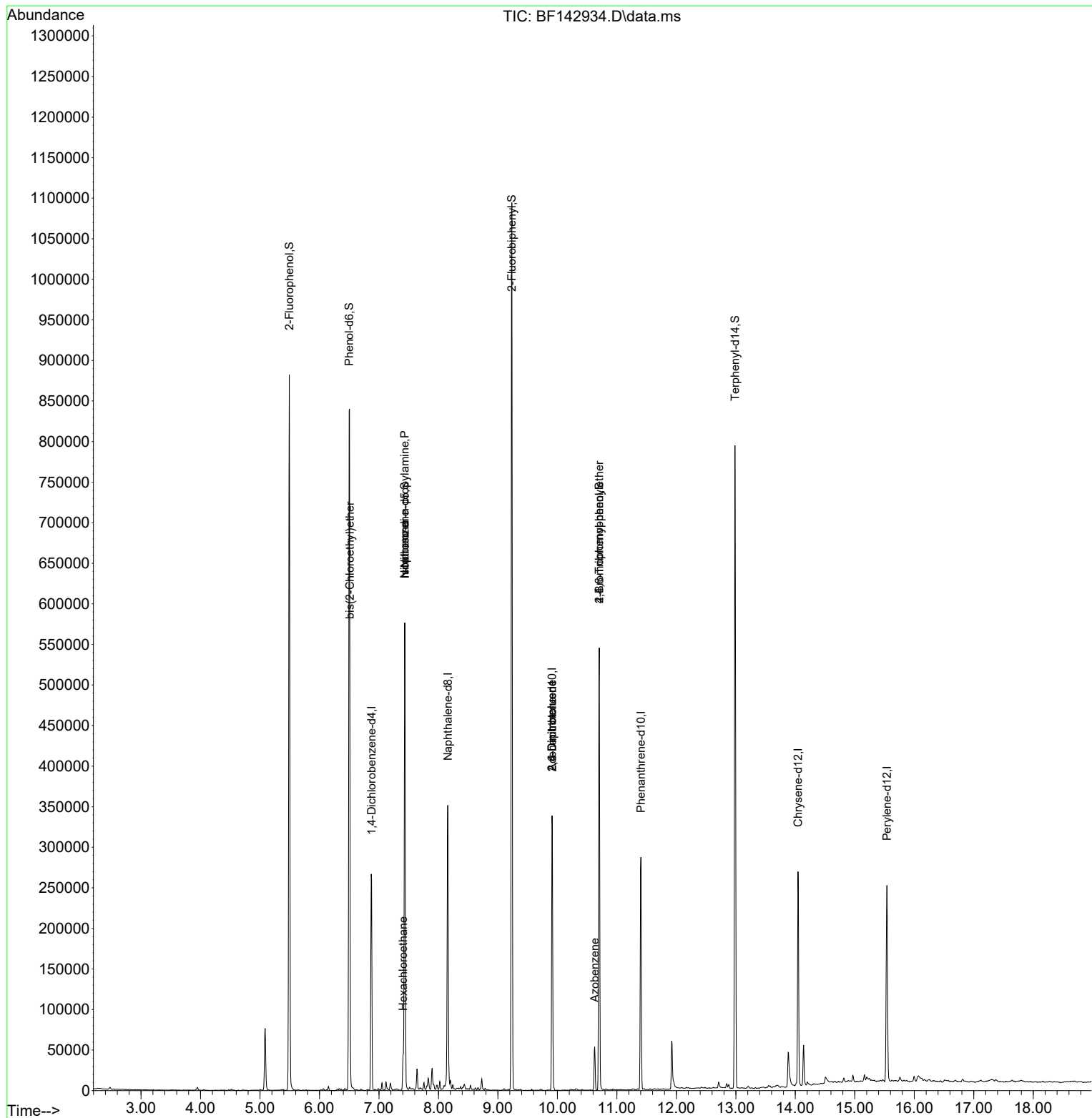
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	60946	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219777	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	105629	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	155279	20.000	ng	0.00
76) Chrysene-d12	14.045	240	129147	20.000	ng	-0.01
86) Perylene-d12	15.539	264	141626	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	334051	91.256	ng	0.00
7) Phenol-d6	6.498	99	391546	90.661	ng	-0.01
23) Nitrobenzene-d5	7.434	82	235176	58.694	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	92248	84.865	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	492572	61.260	ng	-0.01
79) Terphenyl-d14	12.986	244	381490	40.814	ng	-0.01
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	6.510	93	11348	3.307	ng	# 27
18) Hexachloroethane	7.404	117	3559	2.284	ng	# 1
19) n-Nitroso-di-n-propyla...	7.434	70	31542	12.557	ng	# 76
25) Isophorone	7.434	82	233727	36.363	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	13126	8.742	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	13126	6.581	ng	# 27
63) Azobenzene	10.628	77	13288	2.218	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6146	3.478	ng	# 1

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

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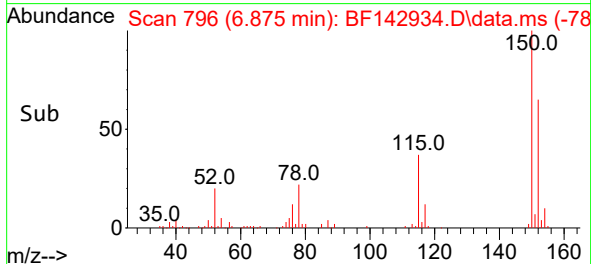
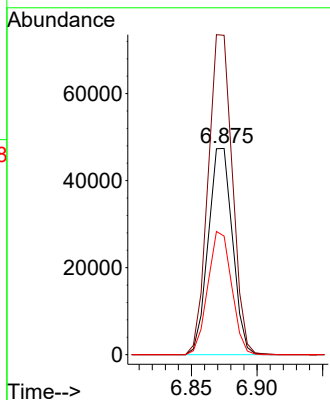
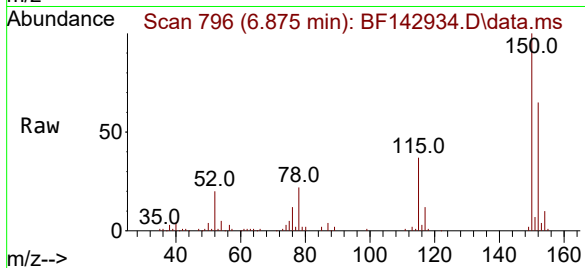




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

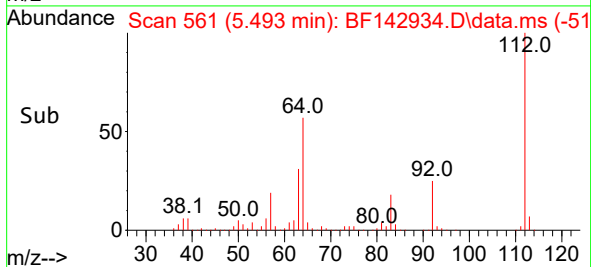
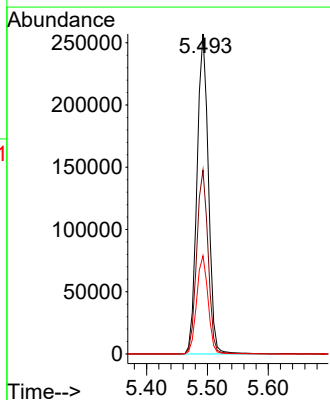
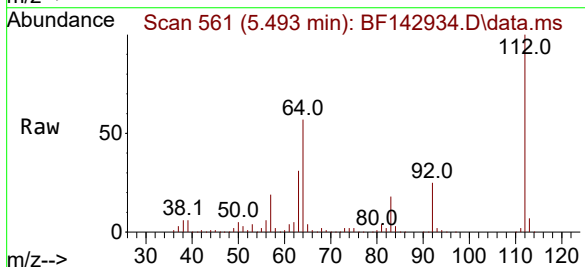
Instrument :
BNA_F
ClientSampleId :
EP-2

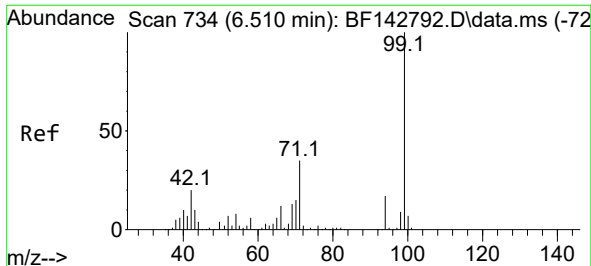
Tgt Ion:152 Resp: 60946
Ion Ratio Lower Upper
152 100
150 154.8 127.2 190.8
115 57.4 46.6 69.8



#5
2-Fluorophenol
Concen: 91.256 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Tgt Ion:112 Resp: 334051
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 30.7 25.7 38.5





#7

Phenol-d6

Concen: 90.661 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142934.D

Acq: 01 Jul 2025 00:45

Instrument :

BNA_F

ClientSampleId :

EP-2

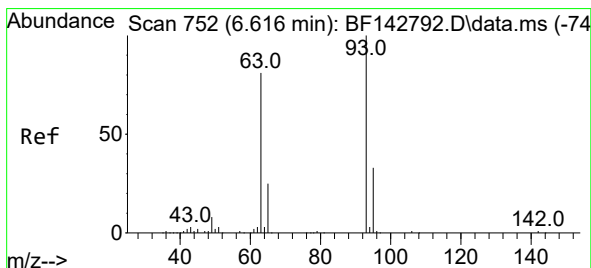
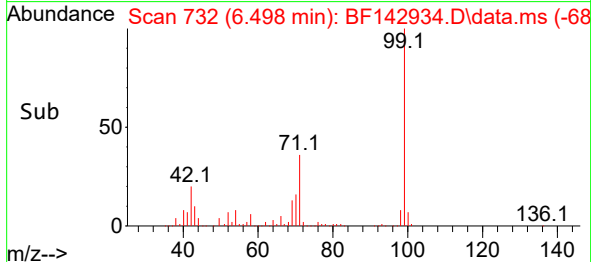
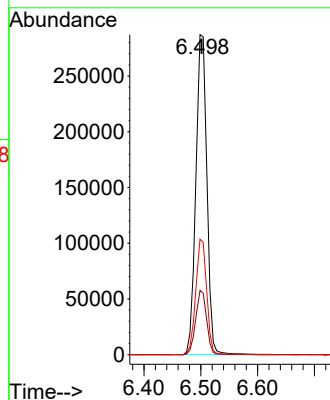
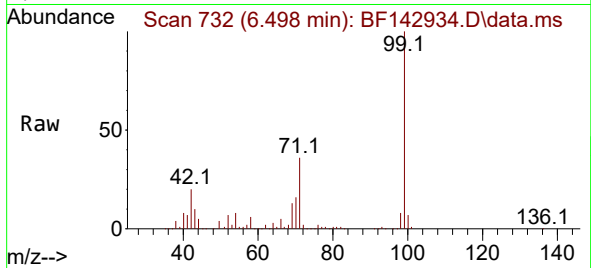
Tgt Ion: 99 Resp: 391546

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 36.1 27.8 41.8



#11

bis(2-Chloroethyl)ether

Concen: 3.307 ng

RT: 6.510 min Scan# 734

Delta R.T. -0.106 min

Lab File: BF142934.D

Acq: 01 Jul 2025 00:45

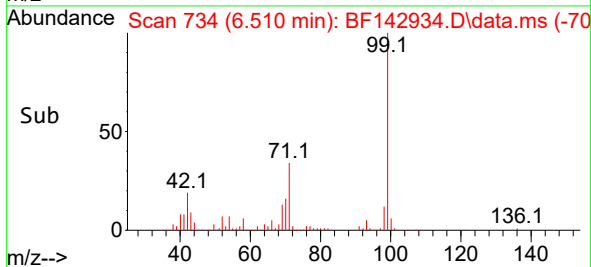
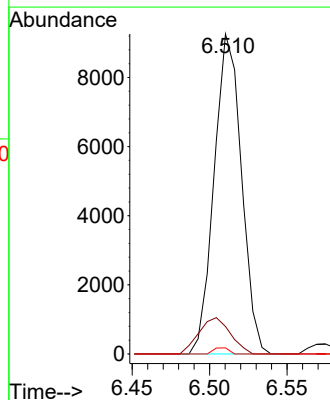
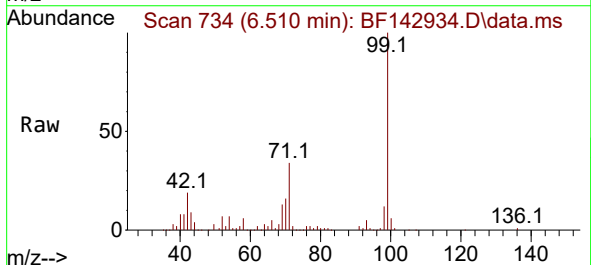
Tgt Ion: 93 Resp: 11348

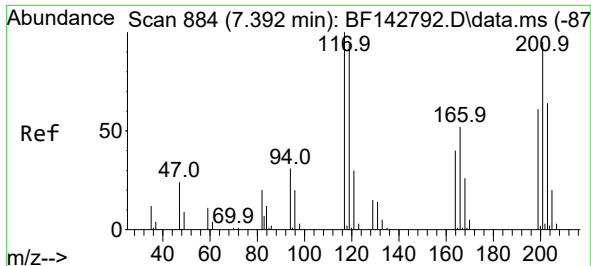
Ion Ratio Lower Upper

93 100

63 8.6 60.3 100.3#

95 1.9 12.5 52.5#

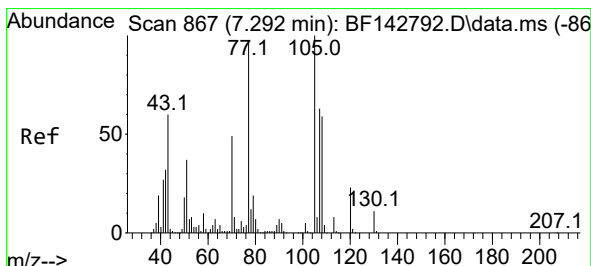
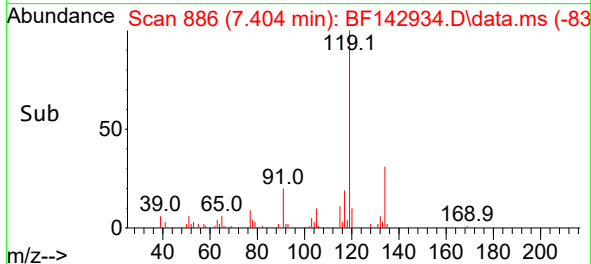
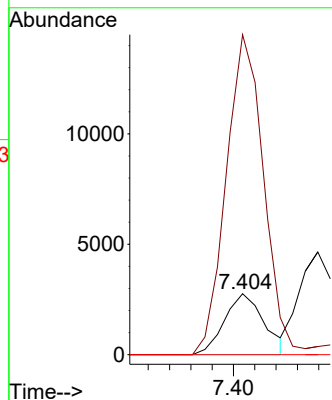
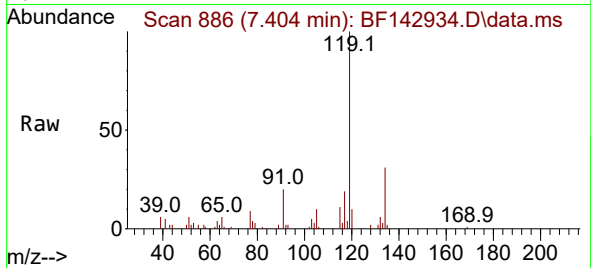




#18
Hexachloroethane
Concen: 2.284 ng
RT: 7.404 min Scan# 811
Delta R.T. 0.012 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

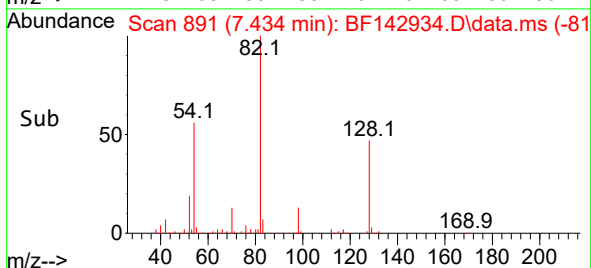
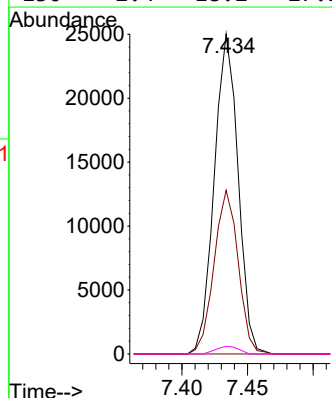
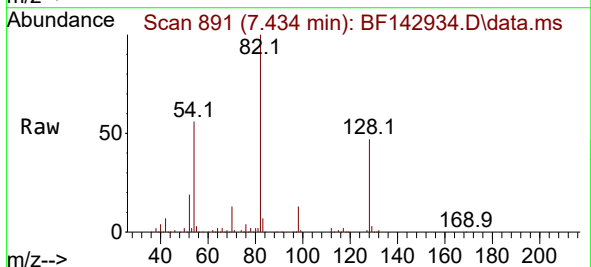
Instrument :
BNA_F
ClientSampleId :
EP-2

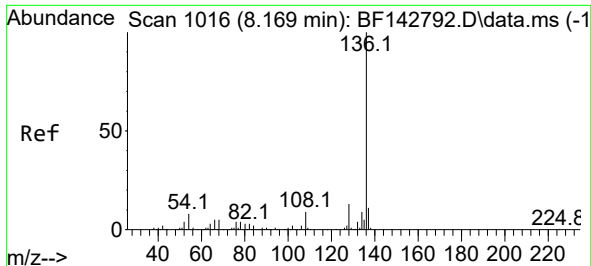
Tgt Ion:117 Resp: 3559
Ion Ratio Lower Upper
117 100
119 524.8 75.4 113.0#
201 0.0 75.9 113.9#



#19
n-Nitroso-di-n-propylamine
Concen: 12.557 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Tgt Ion: 70 Resp: 31542
Ion Ratio Lower Upper
70 100
42 51.1 52.1 78.1#
101 0.0 8.2 12.2#
130 2.4 18.2 27.2#



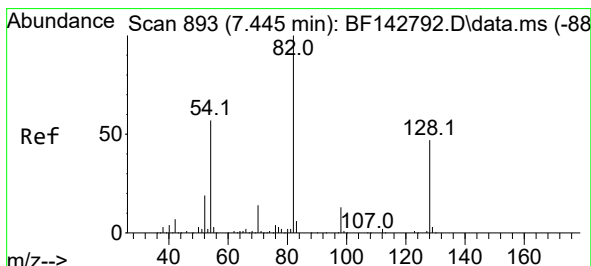
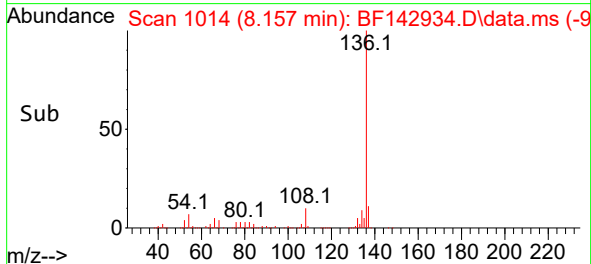
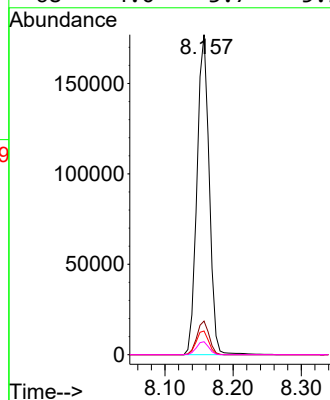
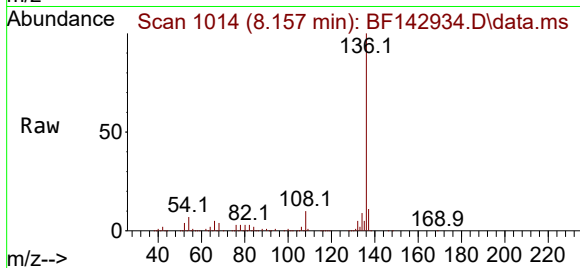


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Instrument :
BNA_F
ClientSampleId :
EP-2

Tgt Ion:136 Resp: 219777

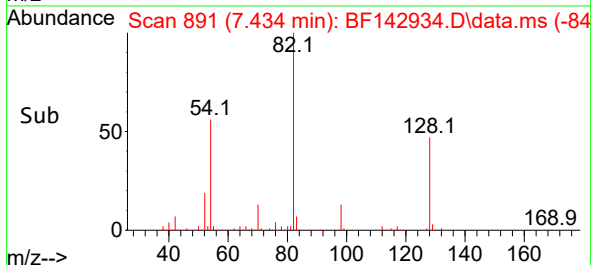
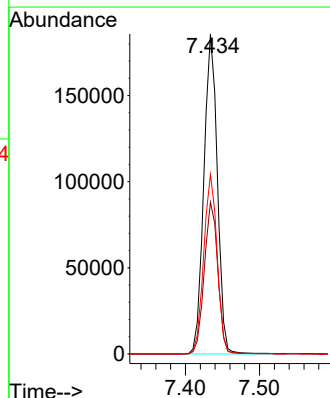
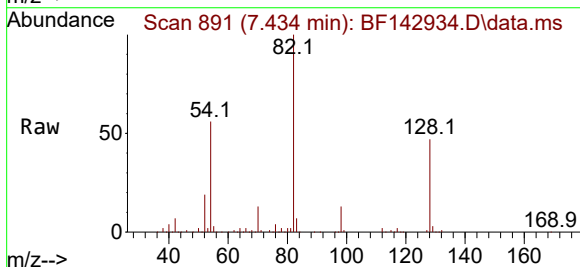
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.4	6.3	9.5
68	4.0	3.7	5.5

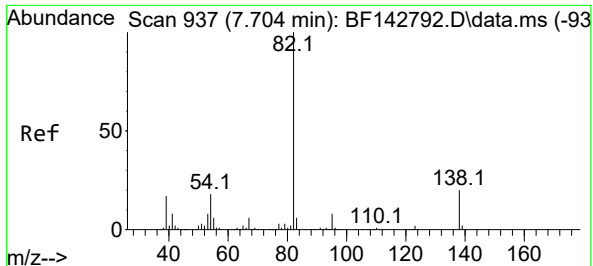


#23
Nitrobenzene-d5
Concen: 58.694 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Tgt Ion: 82 Resp: 235176

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.7	56.5
54	56.1	45.7	68.5

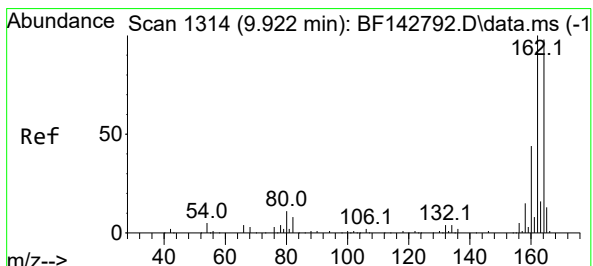
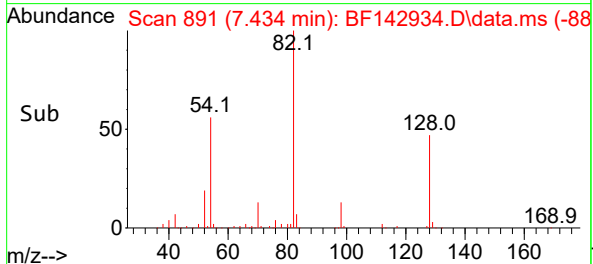
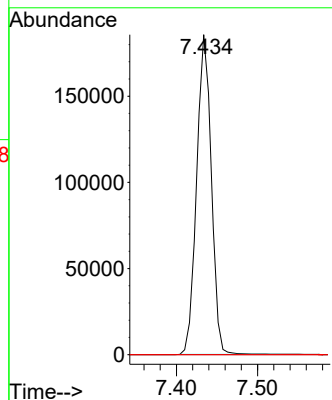
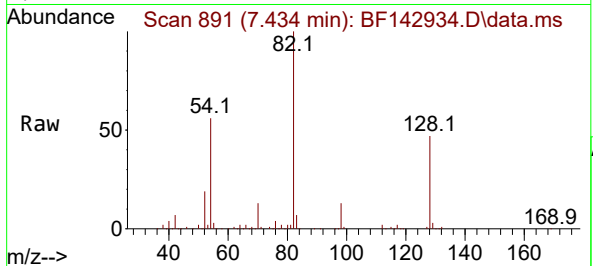




#25
Isophorone
Concen: 36.363 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

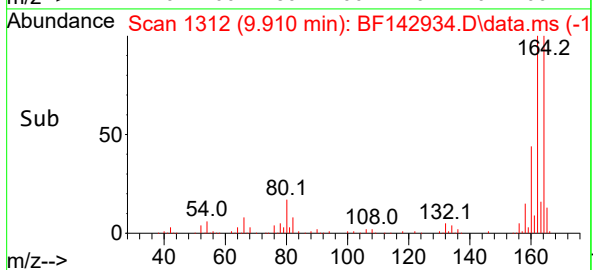
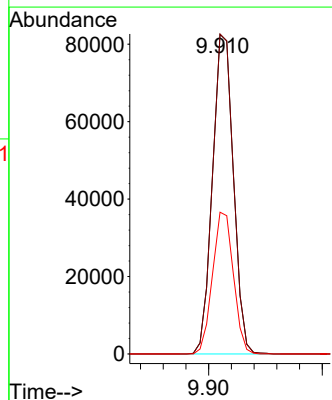
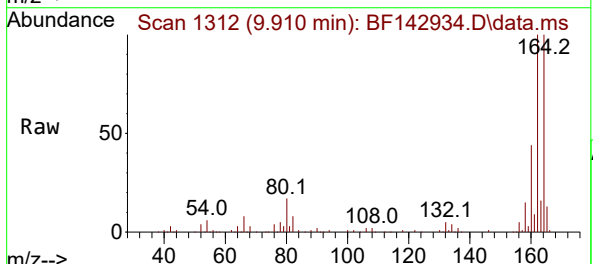
Instrument :
BNA_F
ClientSampleId :
EP-2

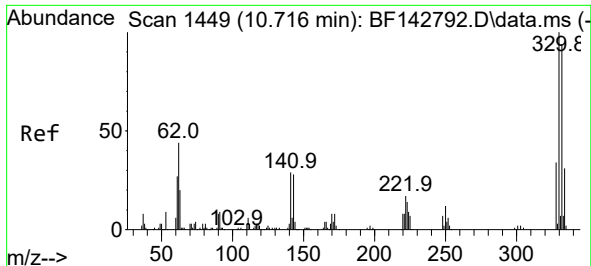
Tgt Ion: 82 Resp: 233727
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Tgt Ion:164 Resp: 105629
Ion Ratio Lower Upper
164 100
162 100.1 81.8 122.8
160 44.4 36.0 54.0

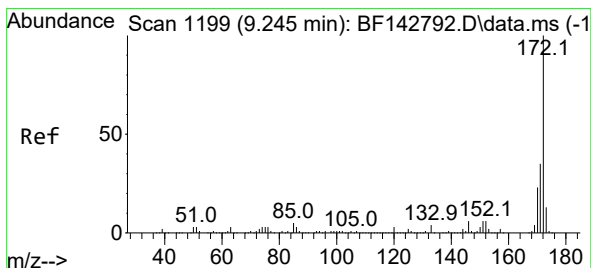
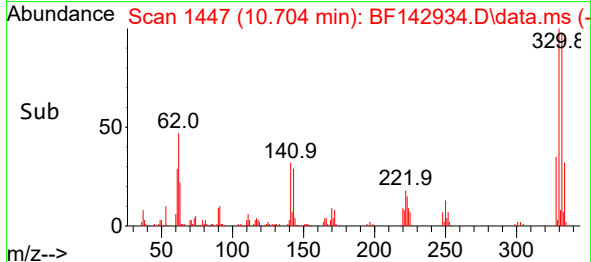
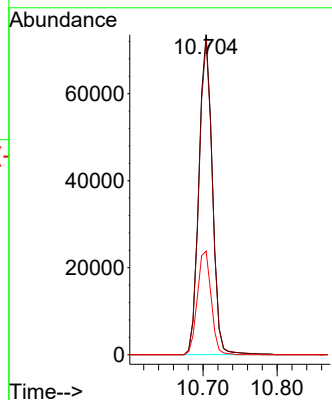
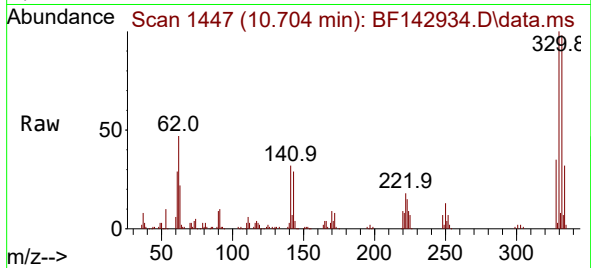




#42
2,4,6-Tribromophenol
Concen: 84.865 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

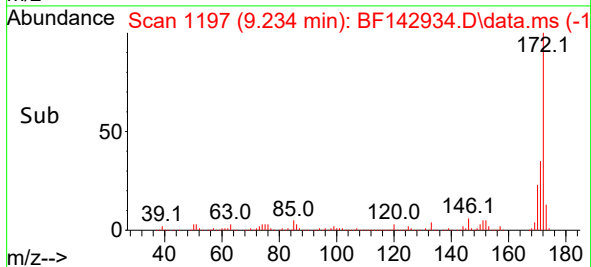
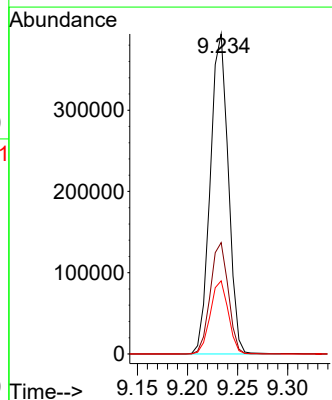
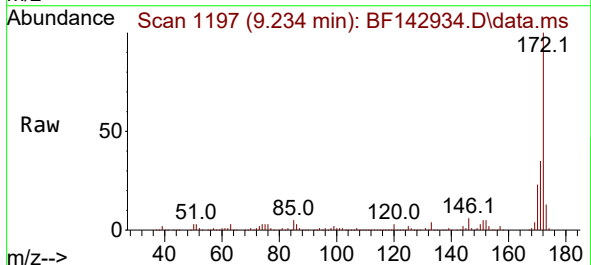
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ClientSampleId :
EP-2

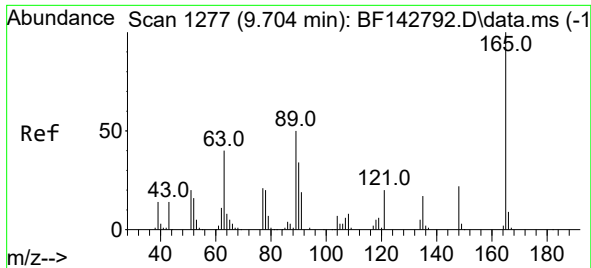
Tgt Ion: 330 Resp: 92248
Ion Ratio Lower Upper
330 100
332 97.9 75.0 112.6
141 33.3 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 61.260 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Tgt Ion: 172 Resp: 492572
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 22.8 18.5 27.7

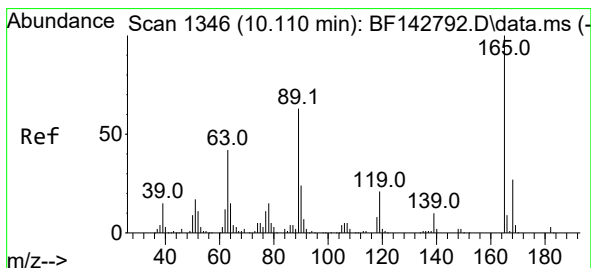
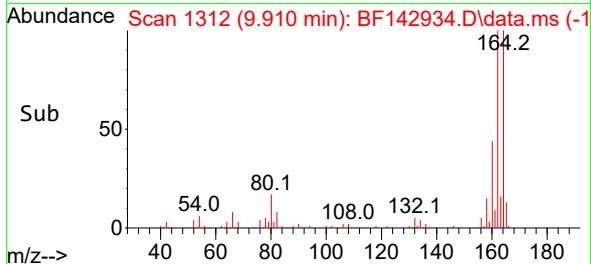
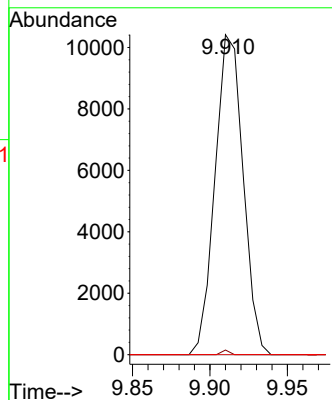
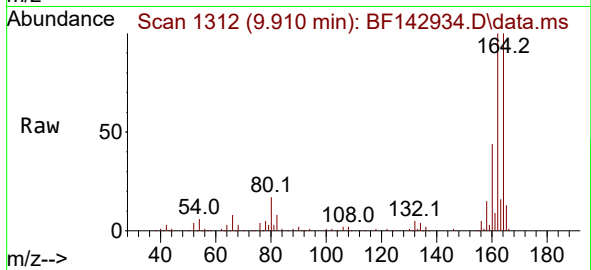




#51
2,6-Dinitrotoluene
Concen: 8.742 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

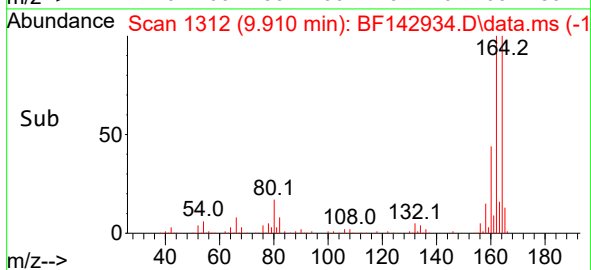
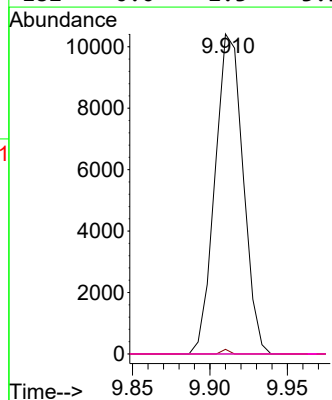
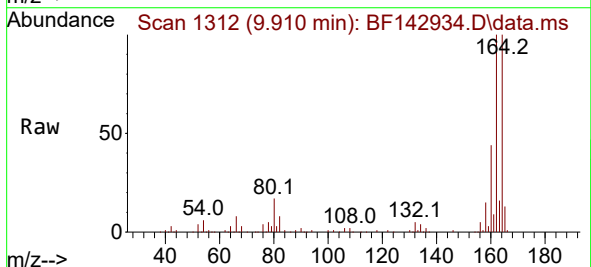
Instrument :
BNA_F
ClientSampleId :
EP-2

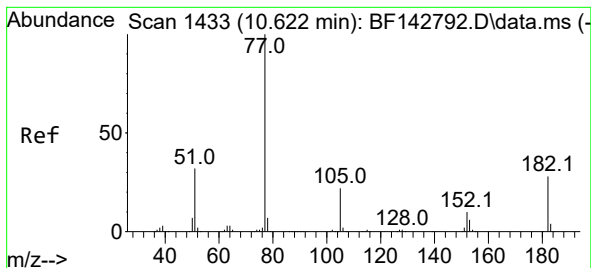
Tgt Ion:165 Resp: 13126
Ion Ratio Lower Upper
165 100
63 1.4 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.581 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

Tgt Ion:165 Resp: 13126
Ion Ratio Lower Upper
165 100
63 1.4 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.218 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142934.D

Acq: 01 Jul 2025 00:45

Instrument :

BNA_F

ClientSampleId :

EP-2

Tgt Ion: 77 Resp: 13288

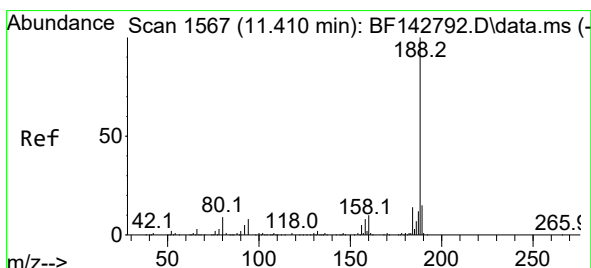
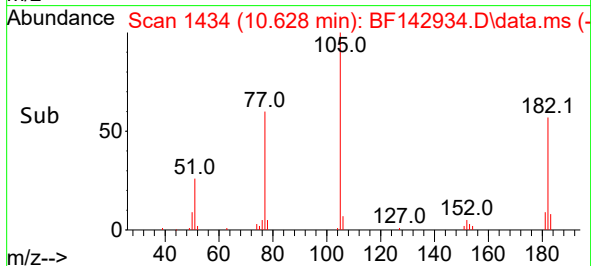
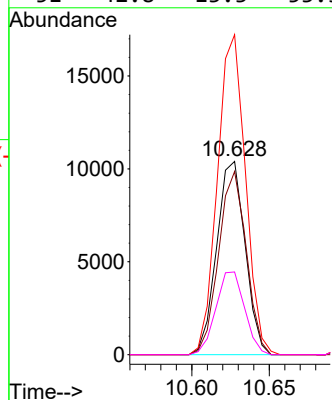
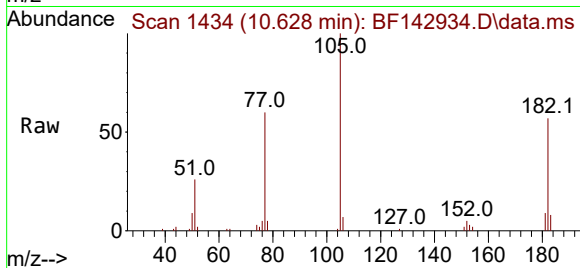
Ion Ratio Lower Upper

77 100

182 94.7 7.7 47.7#

105 165.5 1.9 41.9#

51 42.8 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142934.D

Acq: 01 Jul 2025 00:45

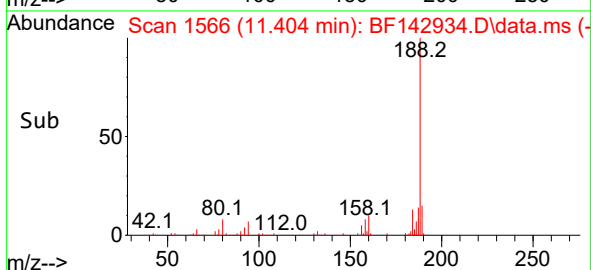
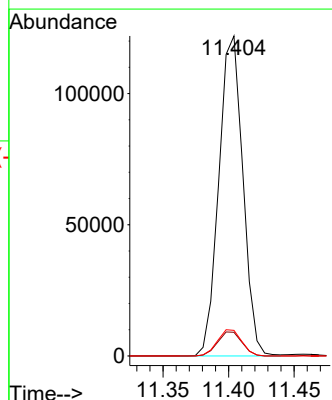
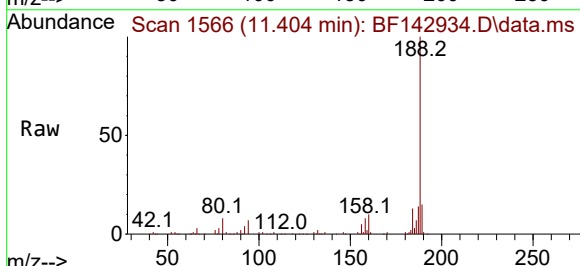
Tgt Ion: 188 Resp: 155279

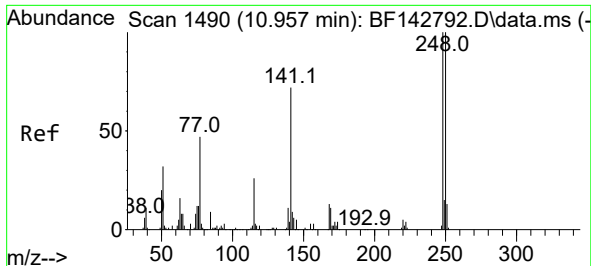
Ion Ratio Lower Upper

188 100

94 7.4 6.7 10.1

80 8.0 6.9 10.3

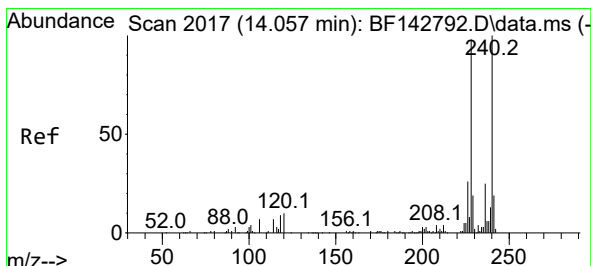
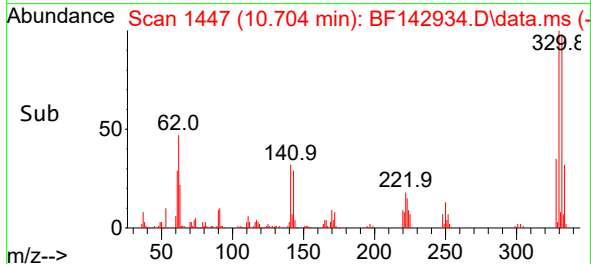
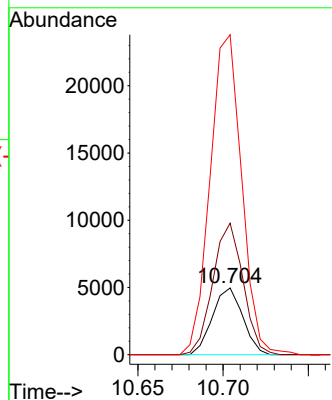
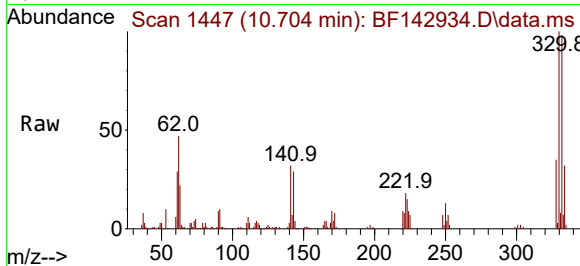




#67
4-Bromophenyl-phenylether
Concen: 3.478 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

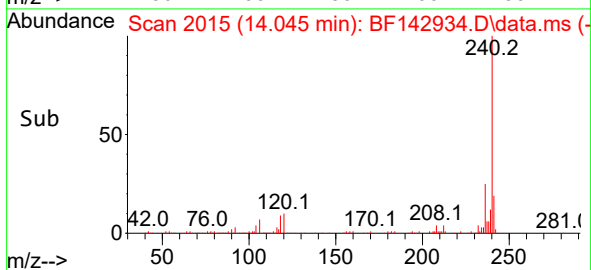
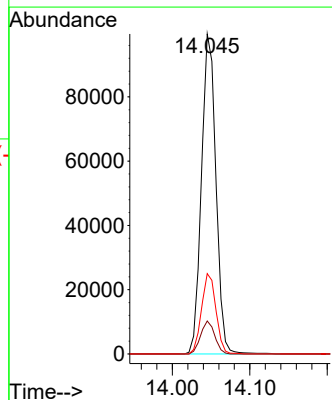
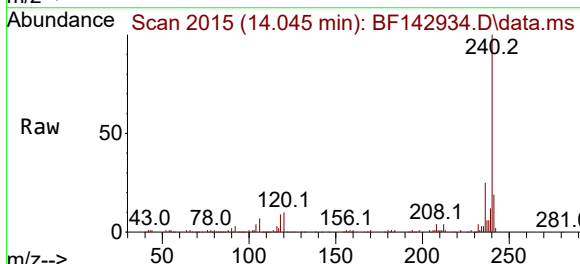
Instrument :
BNA_F
ClientSampleId :
EP-2

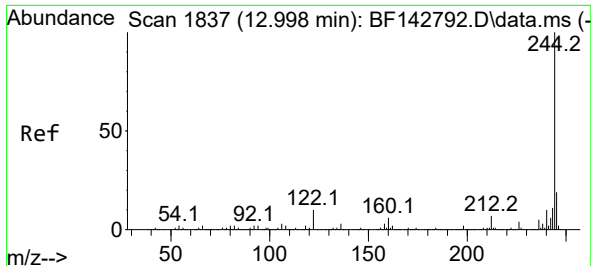
Tgt Ion:248 Resp: 6146
Ion Ratio Lower Upper
248 100
250 197.0 79.8 119.8#
141 479.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

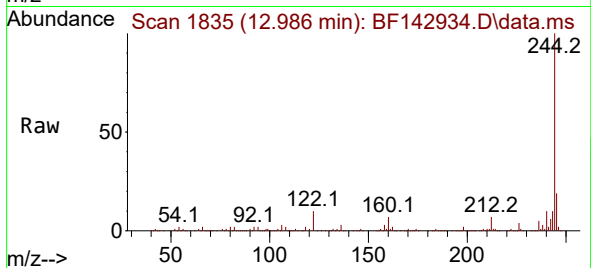
Tgt Ion:240 Resp: 129147
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.1 19.8 29.8



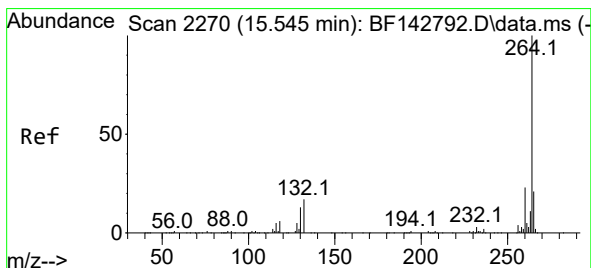
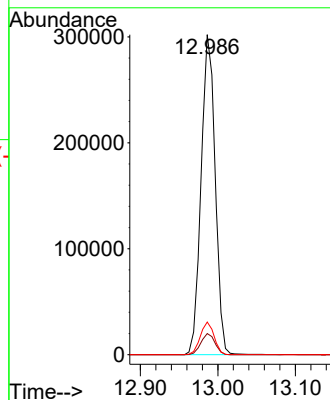
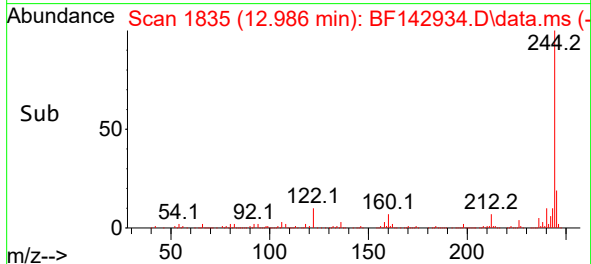


#79
Terphenyl-d14
Concen: 40.814 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45

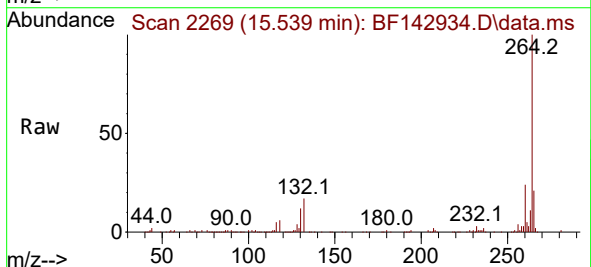
Instrument :
BNA_F
ClientSampleId :
EP-2



Tgt Ion:244 Resp: 381490
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.2 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142934.D
Acq: 01 Jul 2025 00:45



Tgt Ion:264 Resp: 141626
Ion Ratio Lower Upper
264 100
260 23.6 18.1 27.1
265 21.1 16.6 25.0

