

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144043.D
 Acq On : 22 Oct 2025 15:49
 Operator : RC/JU
 Sample : Q3399-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-ROLLOFF

Quant Time: Oct 22 16:09:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

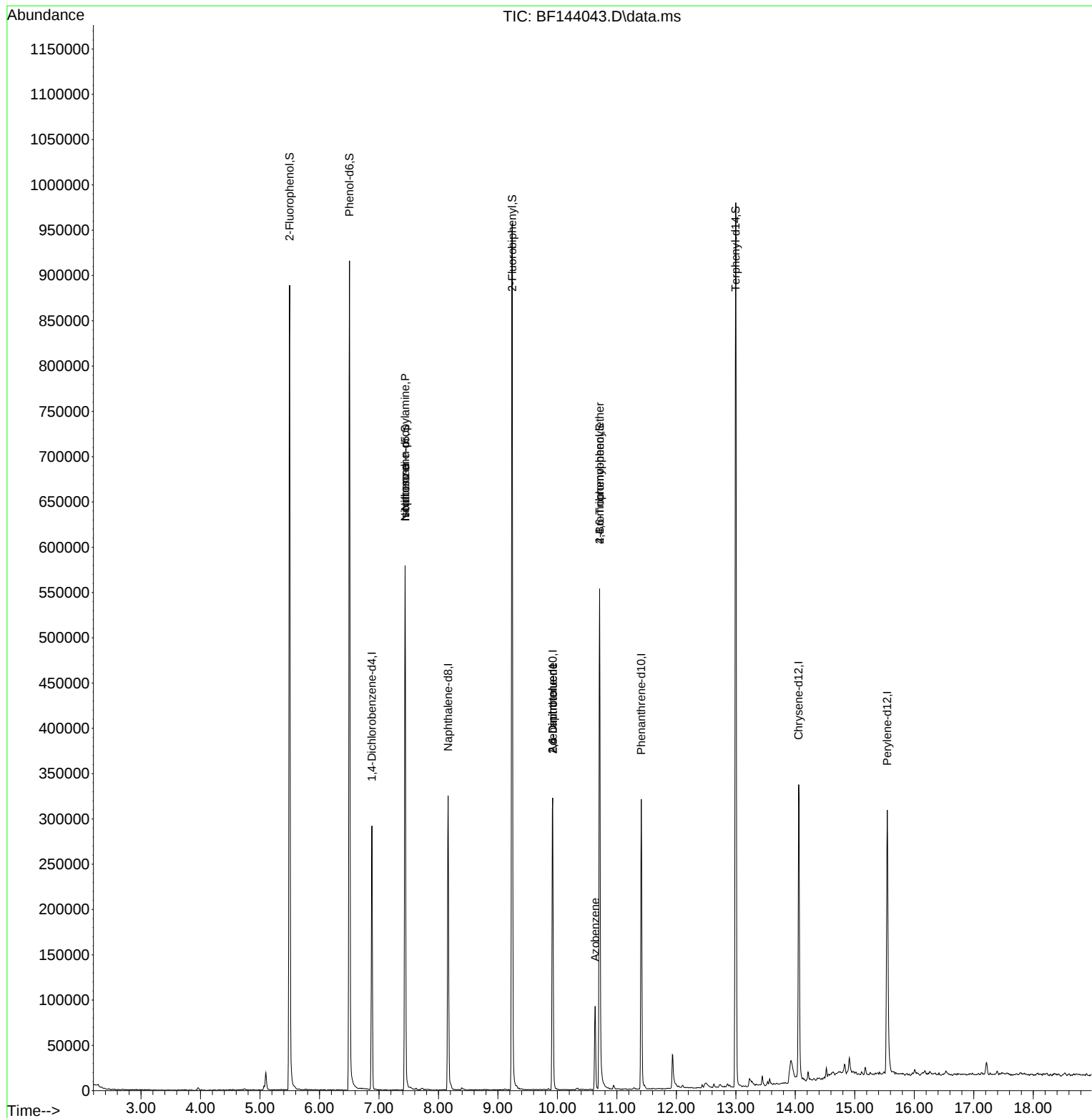
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	58583	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	215525	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	105907	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	183706	20.000	ng	0.00
76) Chrysene-d12	14.057	240	180151	20.000	ng	-0.01
86) Perylene-d12	15.545	264	216631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	345033	93.527	ng	0.00
7) Phenol-d6	6.504	99	395273	89.890	ng	-0.01
23) Nitrobenzene-d5	7.440	82	238932	67.353	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	112782	106.917	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	473311	70.913	ng	-0.01
79) Terphenyl-d14	12.998	244	512429	48.614	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	35693	11.858	ng	# 77
25) Isophorone	7.440	82	203468	27.202	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	13531	10.850	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	13531	7.974	ng	# 26
63) Azobenzene	10.633	77	24485	3.750	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6752	3.326	ng	# 1

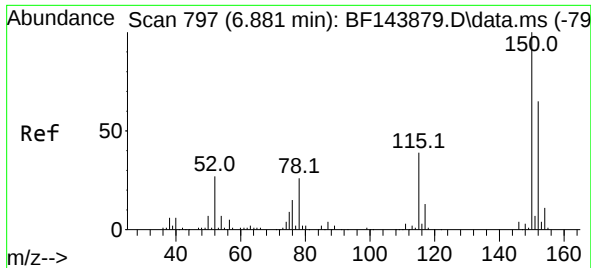
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 06 15:29:47 2025
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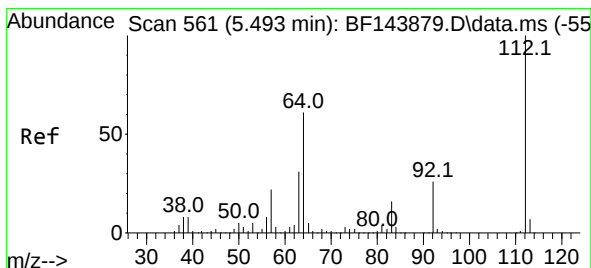
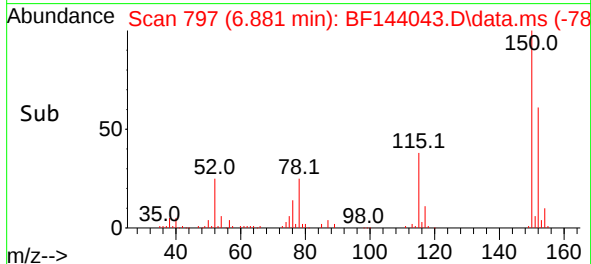
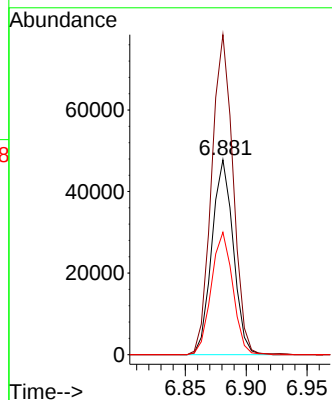
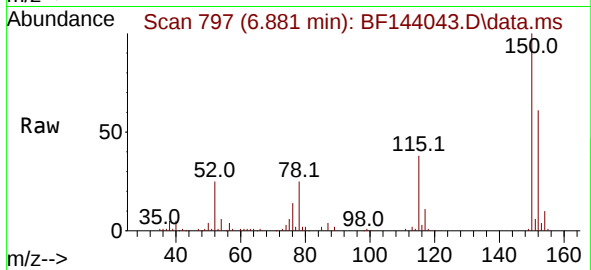




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

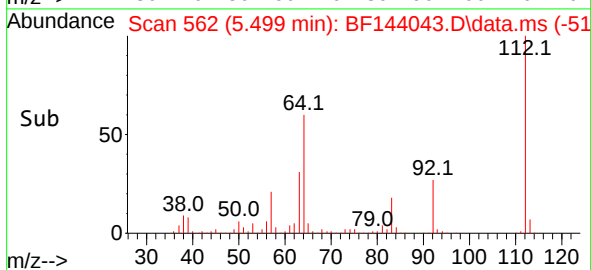
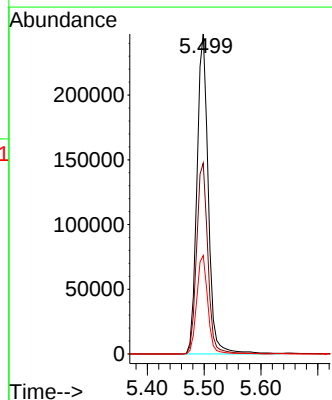
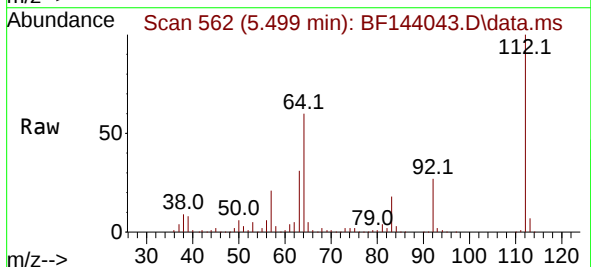
Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:152 Resp: 58583
Ion Ratio Lower Upper
152 100
150 164.2 124.4 186.6
115 62.8 48.1 72.1



#5
2-Fluorophenol
Concen: 93.527 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion:112 Resp: 345033
Ion Ratio Lower Upper
112 100
64 59.6 49.1 73.7
63 30.8 24.5 36.7

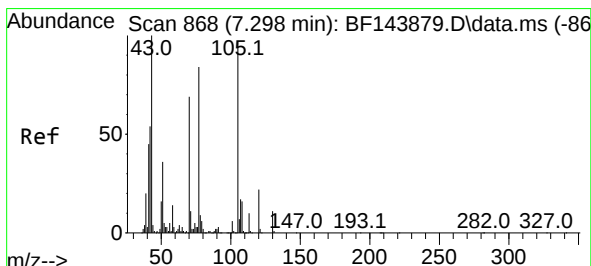
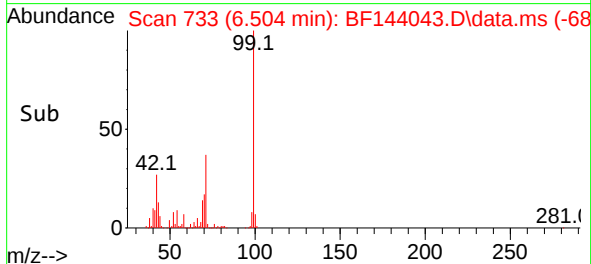
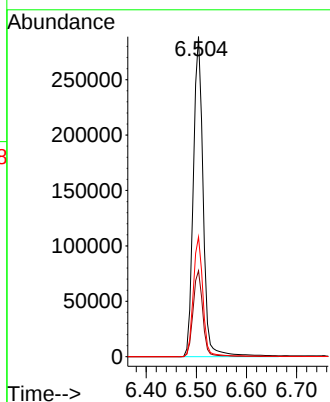
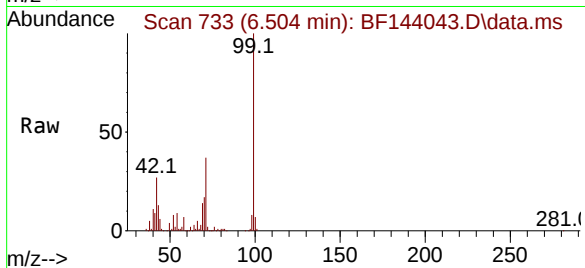




#7
Phenol-d6
Concen: 89.890 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

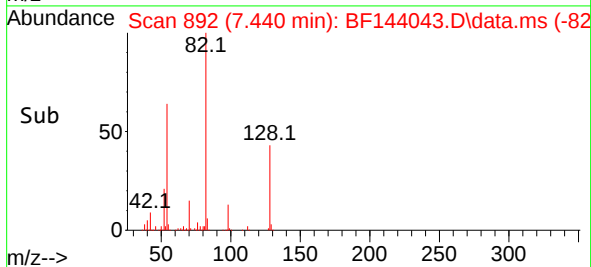
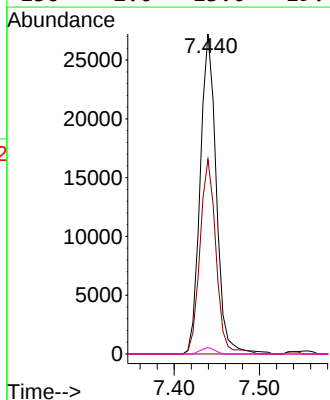
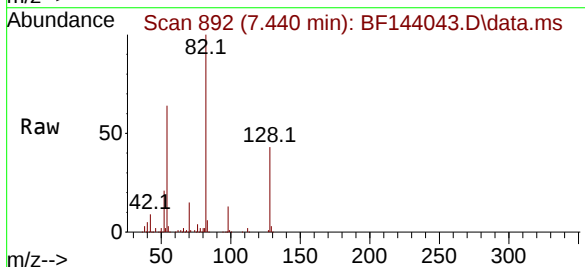
Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

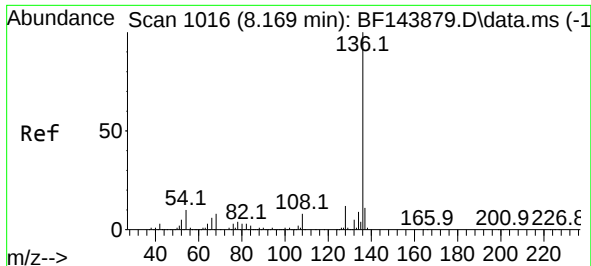
Tgt Ion: 99 Resp: 395273
Ion Ratio Lower Upper
99 100
42 26.8 21.0 31.4
71 37.4 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.858 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion: 70 Resp: 35693
Ion Ratio Lower Upper
70 100
42 60.9 62.8 94.2#
101 0.0 6.7 10.1#
130 2.0 13.0 19.4#



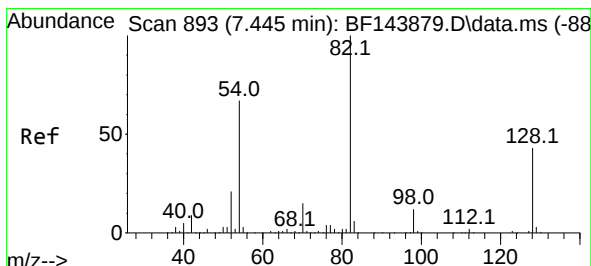
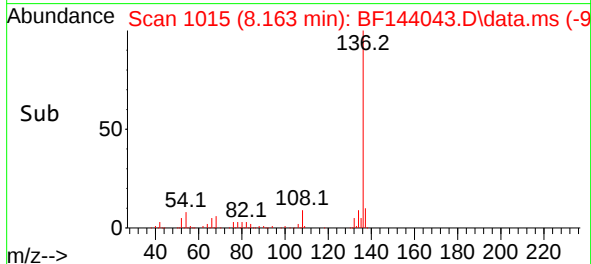
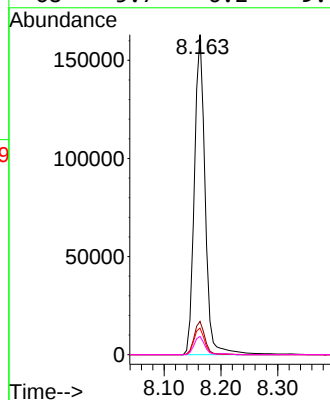
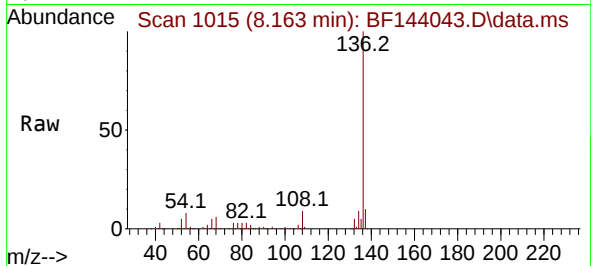


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

Tgt Ion:136 Resp: 215525

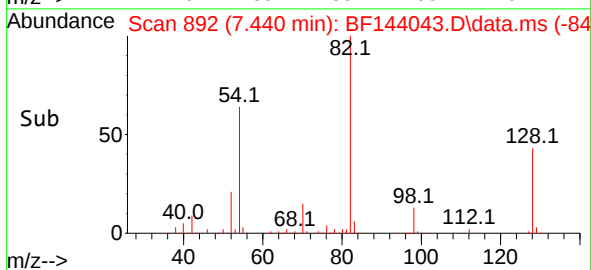
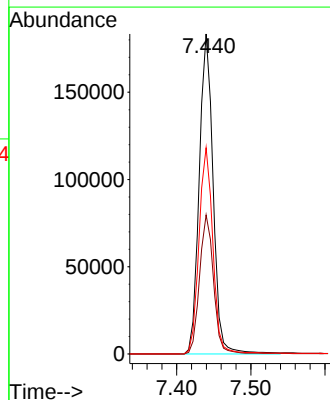
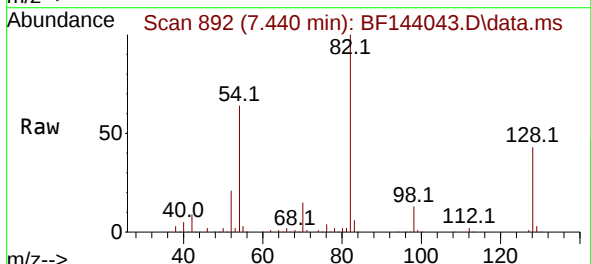
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	8.3	8.2	12.4
68	5.7	6.2	9.4

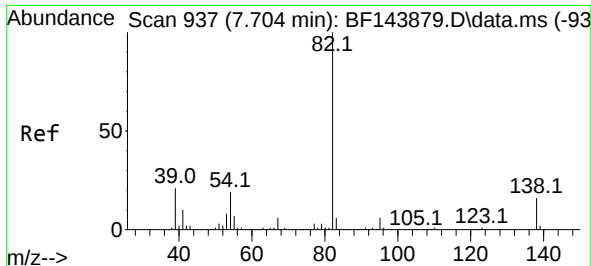


#23
Nitrobenzene-d5
Concen: 67.353 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion: 82 Resp: 238932

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	64.4	53.2	79.8

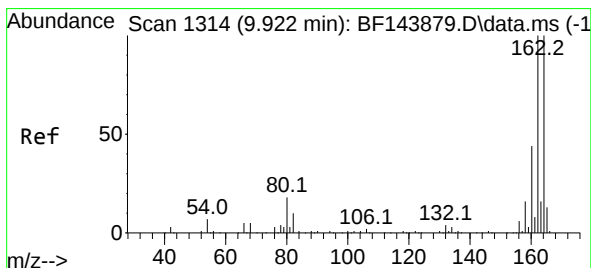
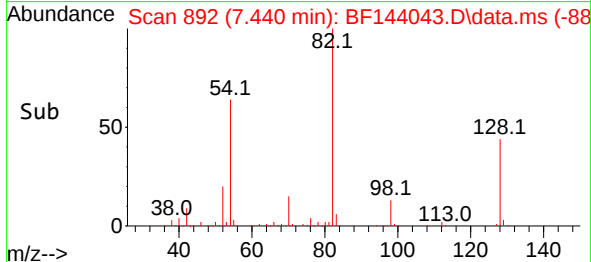
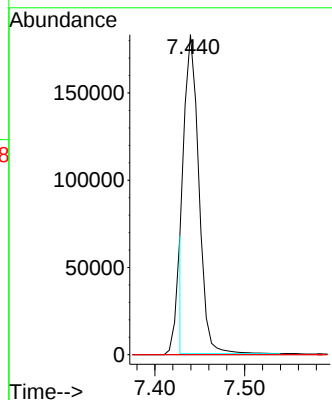
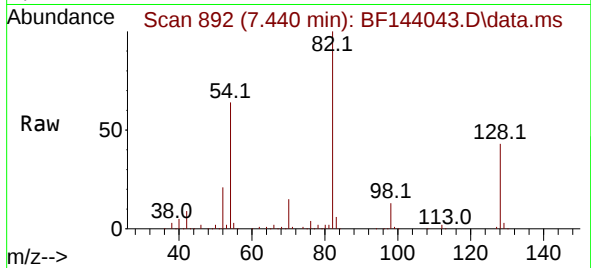




#25
Isophorone
Concen: 27.202 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

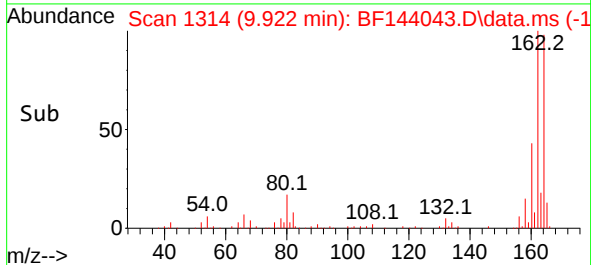
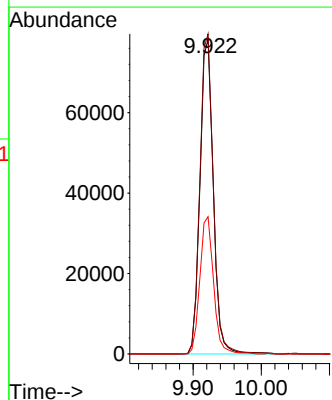
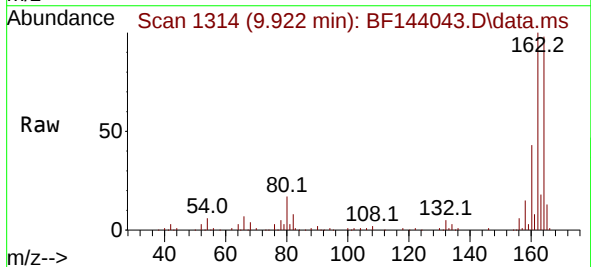
Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

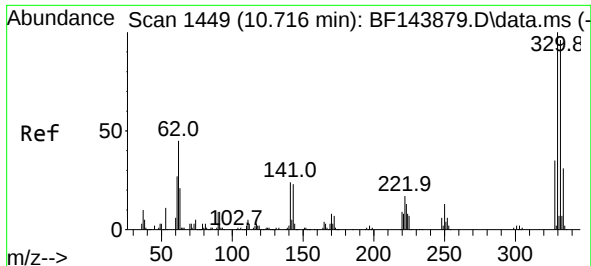
Tgt Ion: 82 Resp: 203468
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion:164 Resp: 105907
Ion Ratio Lower Upper
164 100
162 101.7 80.2 120.2
160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 106.917 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144043.D

Acq: 22 Oct 2025 15:49

Instrument :

BNA_F

ClientSampleId :

COMP-ROLLOFF

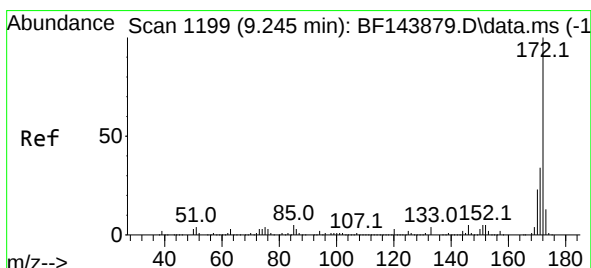
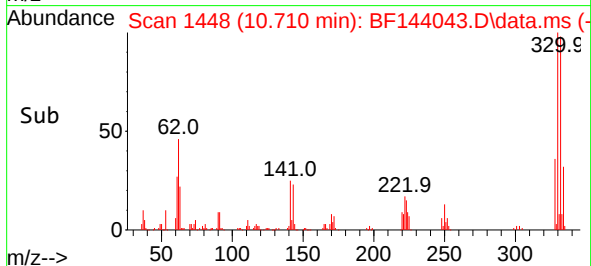
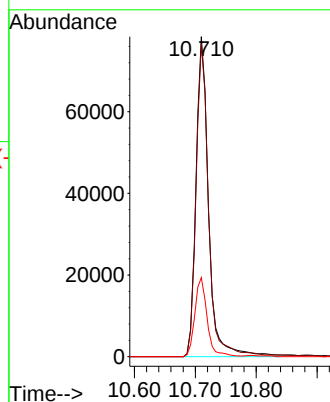
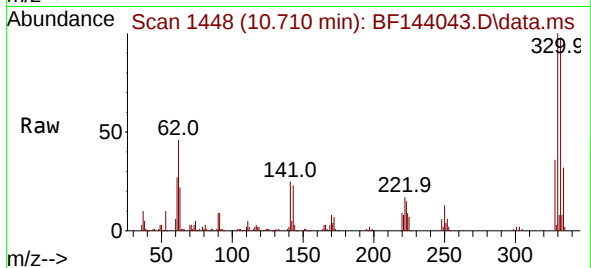
Tgt Ion:330 Resp: 112782

Ion Ratio Lower Upper

330 100

332 98.0 76.9 115.3

141 24.1 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 70.913 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF144043.D

Acq: 22 Oct 2025 15:49

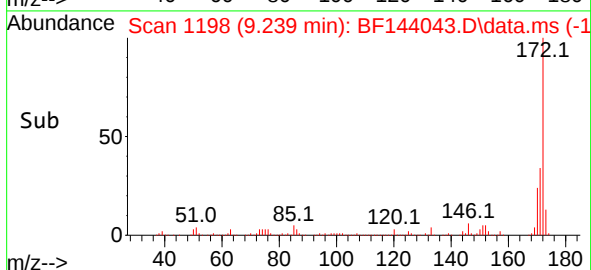
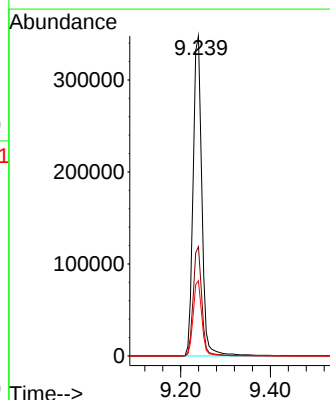
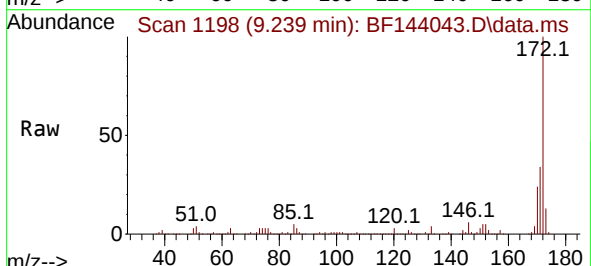
Tgt Ion:172 Resp: 473311

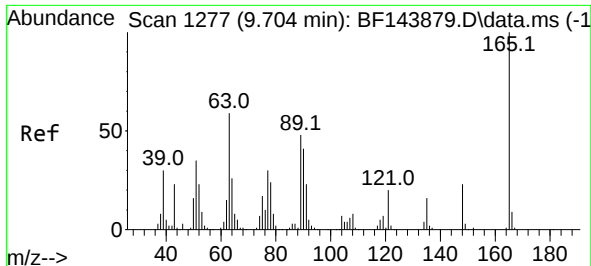
Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.0

170 23.5 18.6 28.0

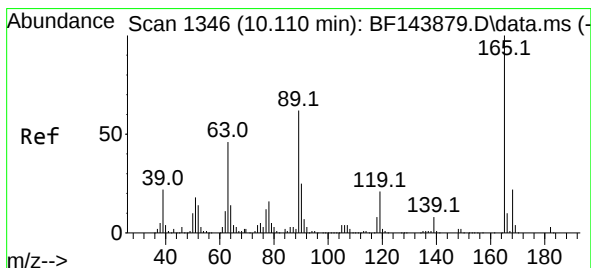
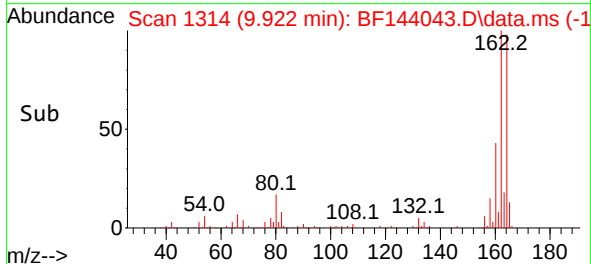
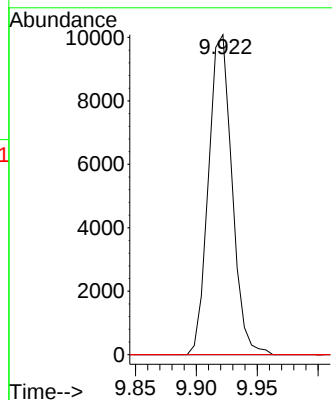
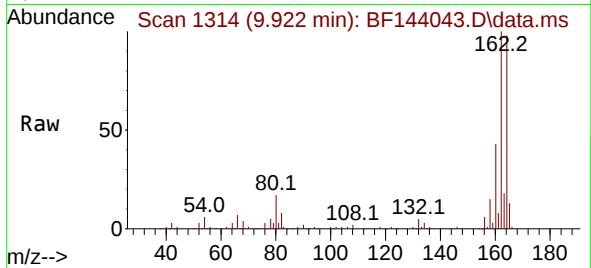




#51
2,6-Dinitrotoluene
Concen: 10.850 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

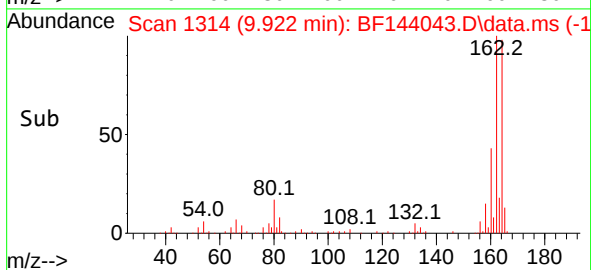
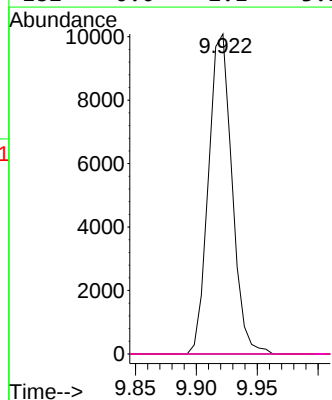
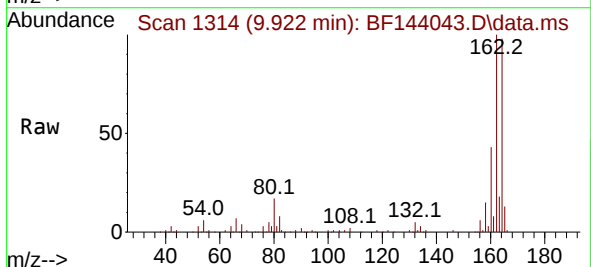
Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

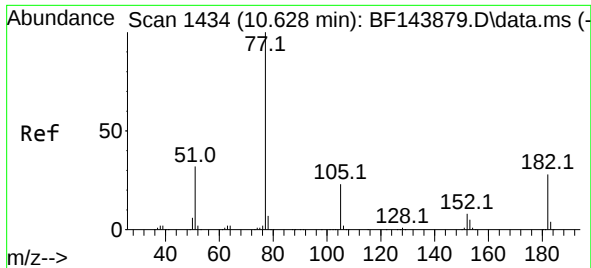
Tgt Ion:165 Resp: 13531
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.974 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion:165 Resp: 13531
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

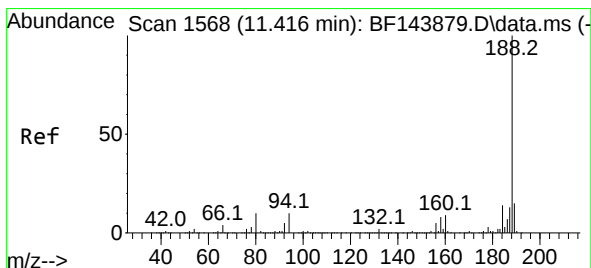
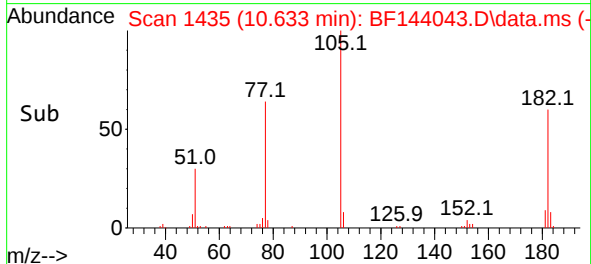
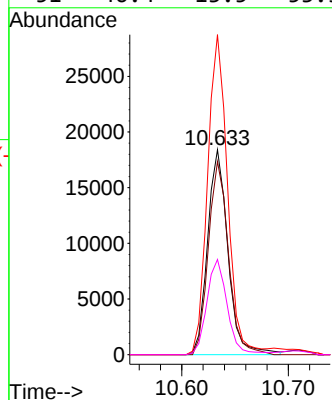
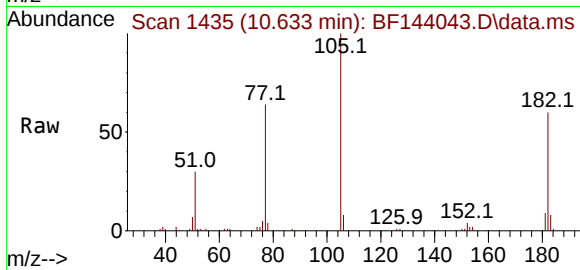




#63
Azobenzene
Concen: 3.750 ng
RT: 10.633 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

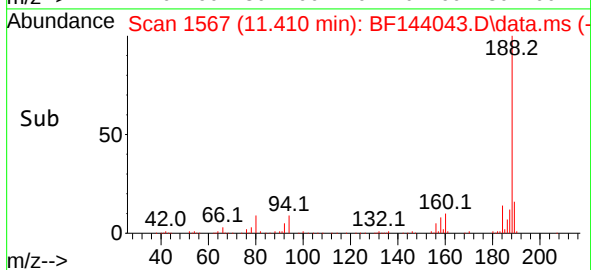
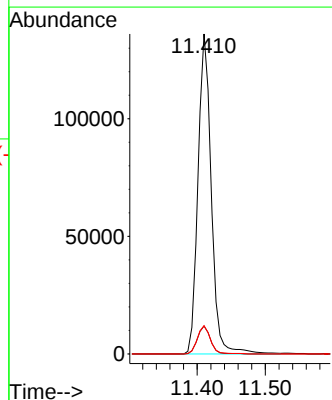
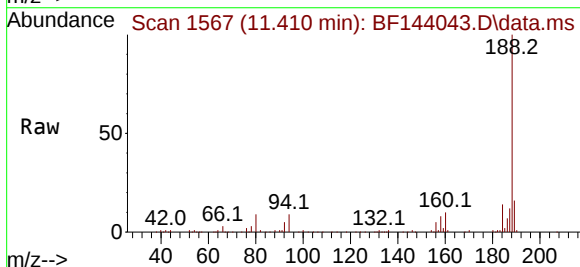
Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

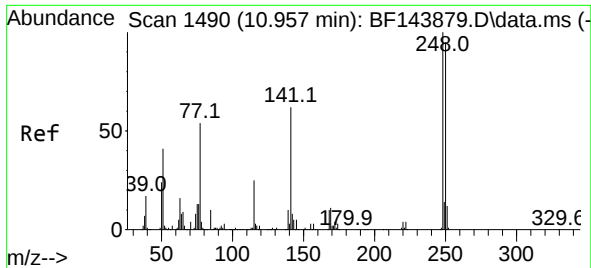
Tgt Ion: 77 Resp: 24485
Ion Ratio Lower Upper
77 100
182 94.2 7.3 47.3#
105 156.1 3.0 43.0#
51 46.4 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion: 188 Resp: 183706
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 8.9 7.9 11.9

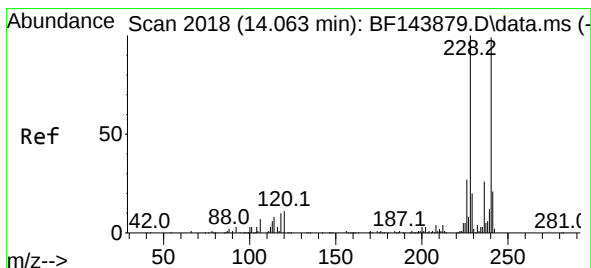
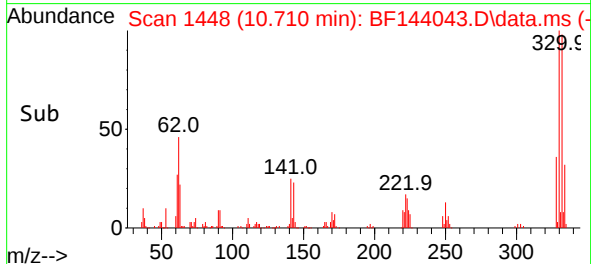
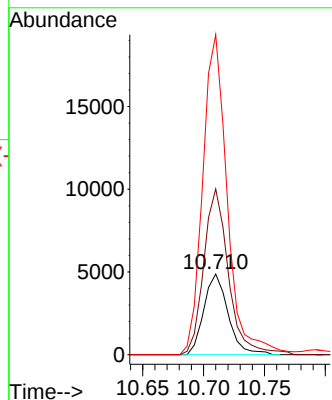
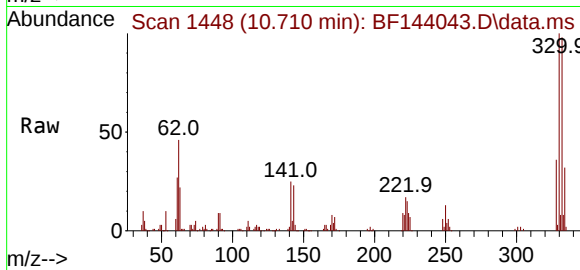




#67
4-Bromophenyl-phenylether
Concen: 3.326 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

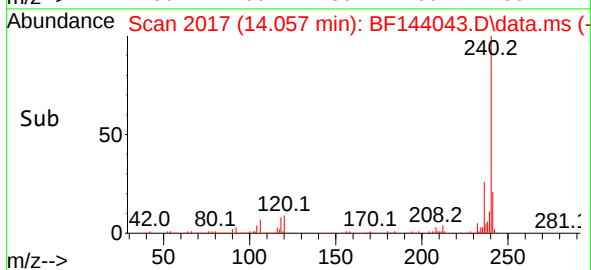
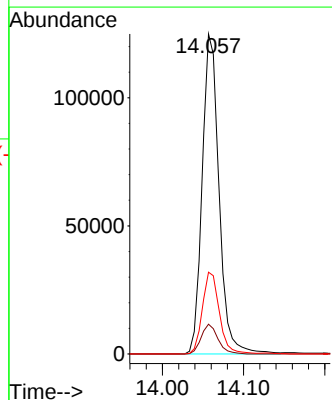
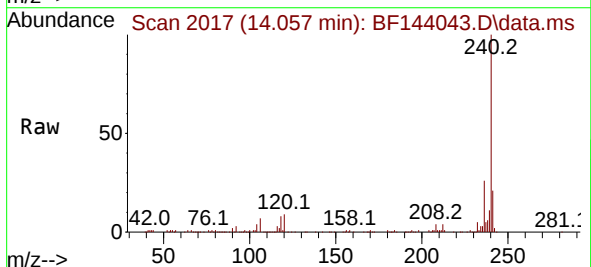
Instrument :
BNA_F
ClientSampleId :
COMP-ROLLOFF

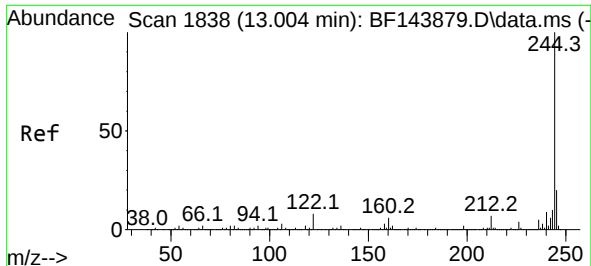
Tgt Ion:248 Resp: 6752
Ion Ratio Lower Upper
248 100
250 205.3 76.3 114.5#
141 396.4 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144043.D
Acq: 22 Oct 2025 15:49

Tgt Ion:240 Resp: 180151
Ion Ratio Lower Upper
240 100
120 9.3 8.6 13.0
236 25.6 21.1 31.7

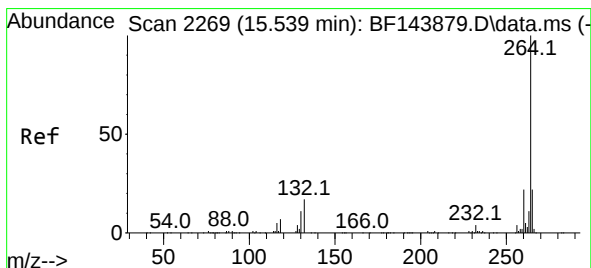
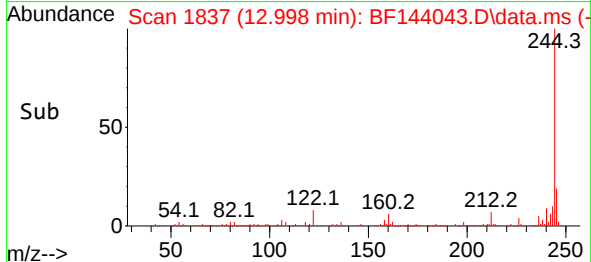
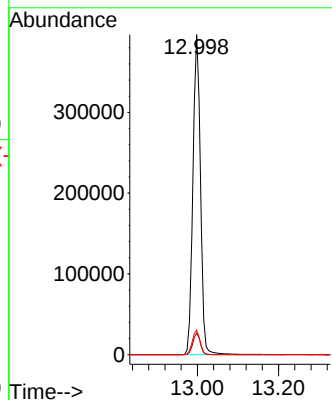
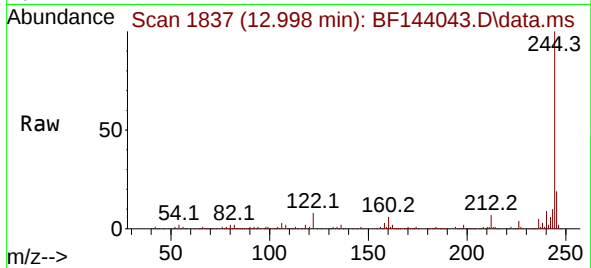




#79
 Terphenyl-d14
 Concen: 48.614 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144043.D
 Acq: 22 Oct 2025 15:49

Instrument :
 BNA_F
 ClientSampleId :
 COMP-ROLLOFF

Tgt Ion:244 Resp: 512429
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 7.6 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF144043.D
 Acq: 22 Oct 2025 15:49

Tgt Ion:264 Resp: 216631
 Ion Ratio Lower Upper
 264 100
 260 21.7 17.8 26.8
 265 21.8 17.5 26.3

