

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102325\
 Data File : BF144054.D
 Acq On : 23 Oct 2025 13:55
 Operator : RC/JU
 Sample : Q3400-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-0760450

Quant Time: Oct 23 14:16:04 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)

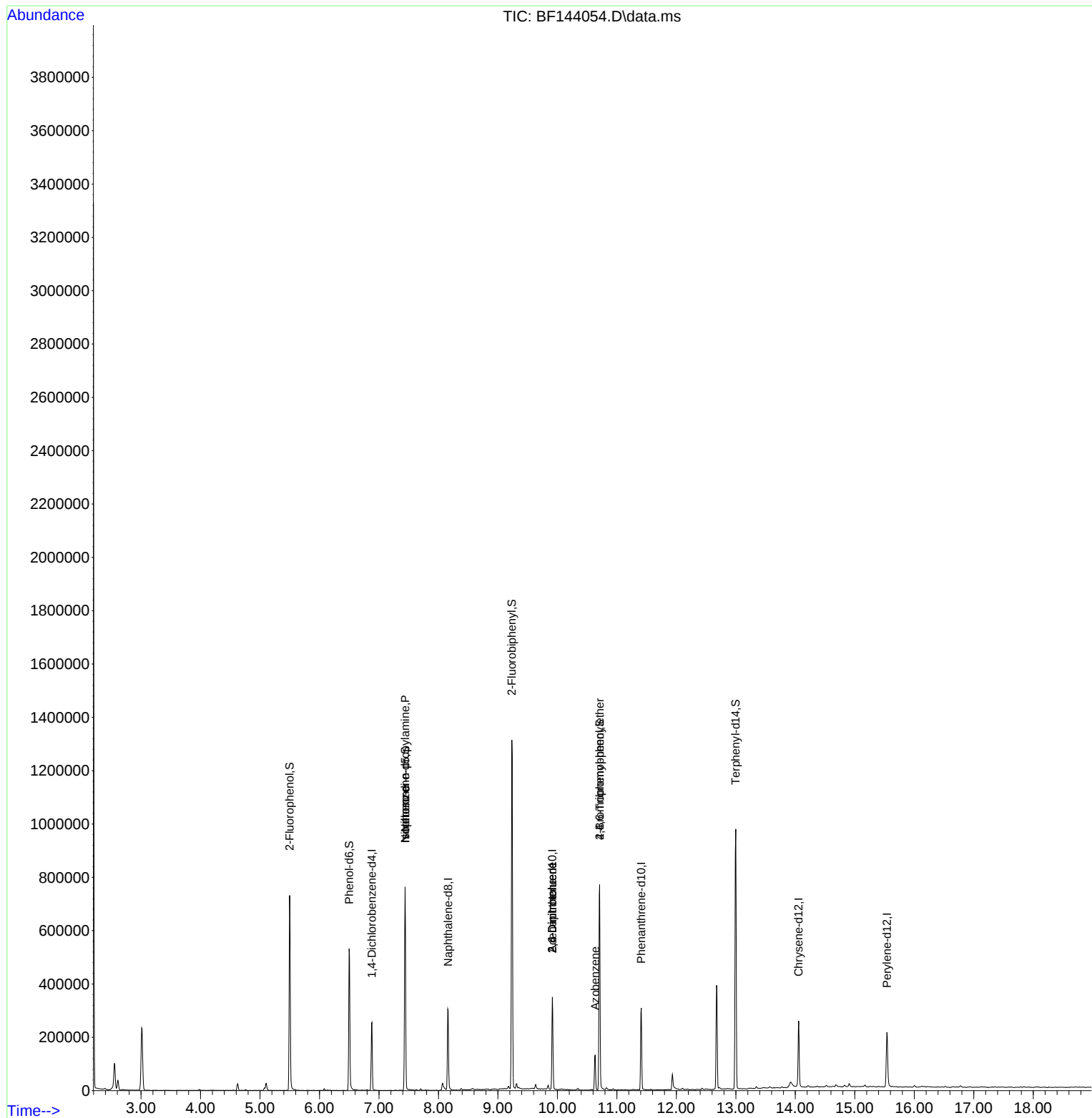
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	53169	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	198994	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	105823	20.000	ng	-0.01
64) Phenanthrene-d10	11.410	188	171138	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	129622	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	150519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	263744	78.772	ng	0.00
7) Phenol-d6	6.498	99	223538	56.012	ng	-0.02
23) Nitrobenzene-d5	7.440	82	313974	95.859	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	150648	142.927	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	609498	91.390	ng	-0.02
79) Terphenyl-d14	12.998	244	511712	67.470	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	48244	17.660	ng	# 81
25) Isophorone	7.440	82	260612	37.736	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	13197	10.590	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	13197	7.783	ng	# 26
63) Azobenzene	10.633	77	33809	5.182	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8559	4.525	ng	# 1

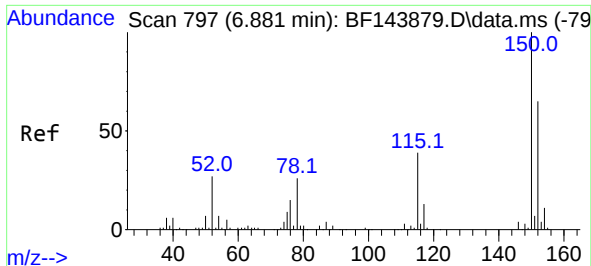
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102325\
Data File : BF144054.D
Acq On : 23 Oct 2025 13:55
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

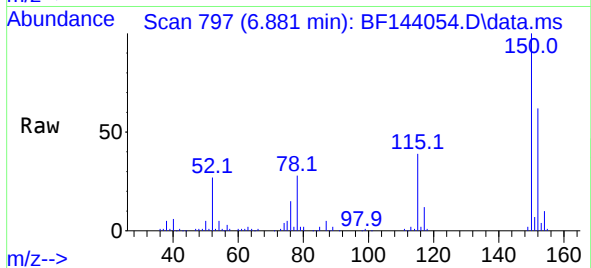
Quant Time: Oct 23 14:16:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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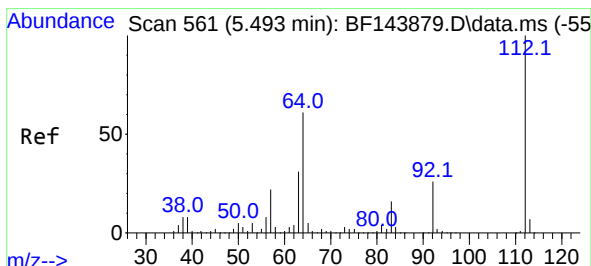
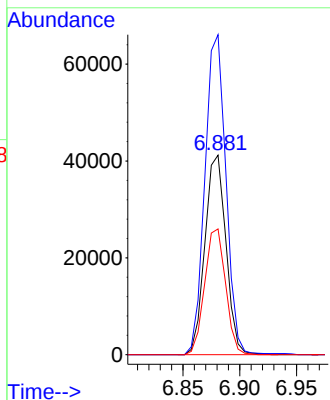
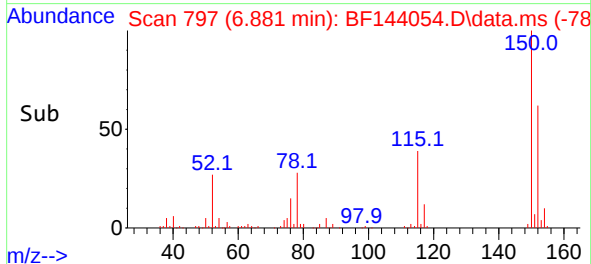


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

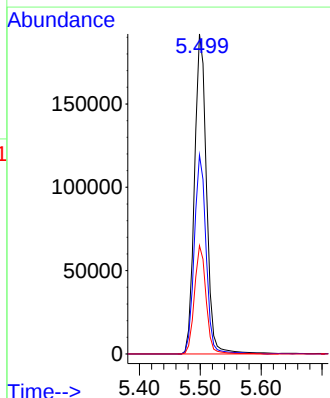
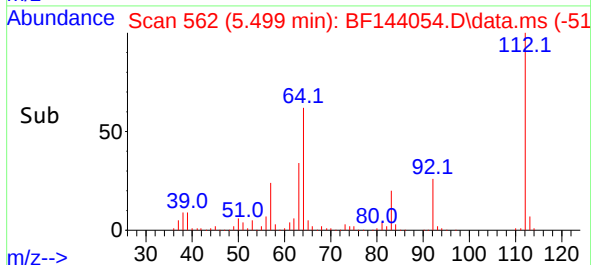
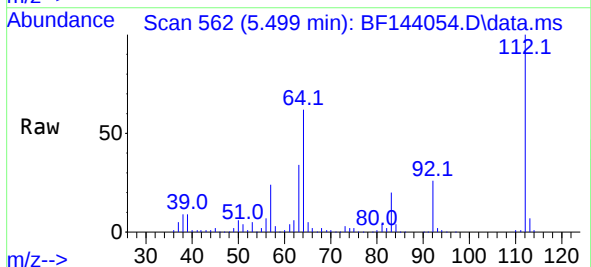


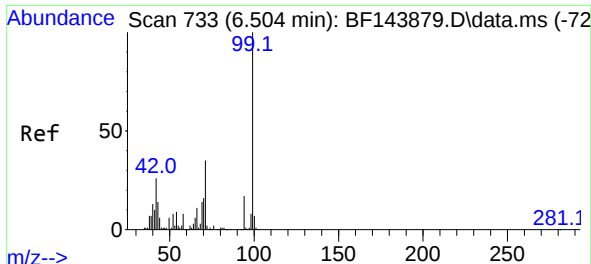
Tgt Ion:152 Resp: 53169
Ion Ratio Lower Upper
152 100
150 160.4 124.4 186.6
115 63.0 48.1 72.1



#5
2-Fluorophenol
Concen: 78.772 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Tgt Ion:112 Resp: 263744
Ion Ratio Lower Upper
112 100
64 62.1 49.1 73.7
63 33.8 24.5 36.7



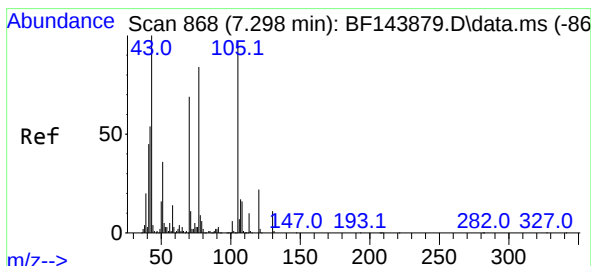
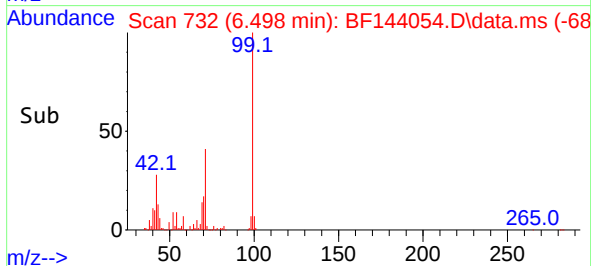
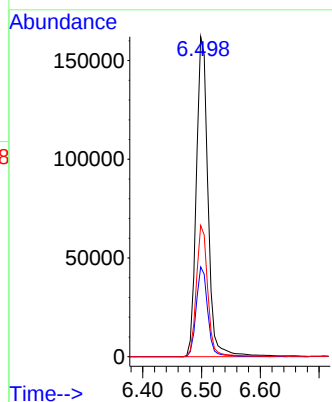
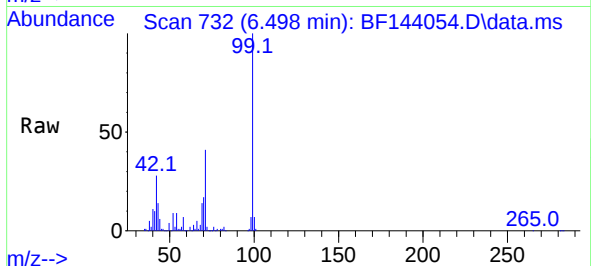


#7
Phenol-d6
Concen: 56.012 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

Tgt Ion: 99 Resp: 223538

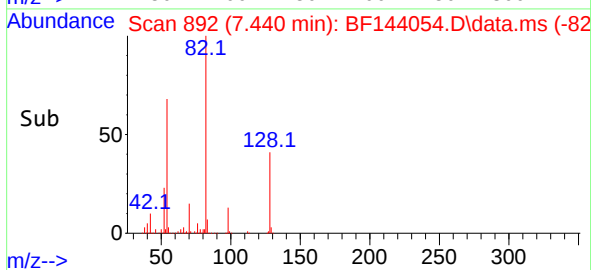
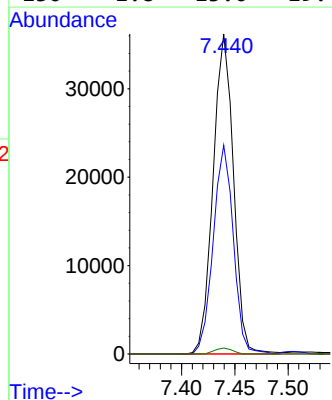
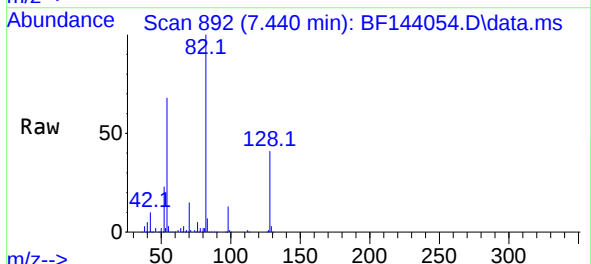
Ion	Ratio	Lower	Upper
99	100		
42	28.1	21.0	31.4
71	41.0	27.8	41.8

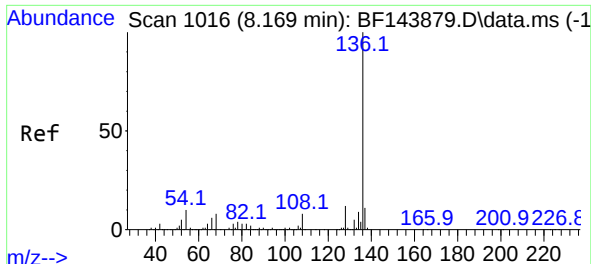


#19
n-Nitroso-di-n-propylamine
Concen: 17.660 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Tgt Ion: 70 Resp: 48244

Ion	Ratio	Lower	Upper
70	100		
42	65.3	62.8	94.2
101	0.0	6.7	10.1#
130	1.8	13.0	19.4#



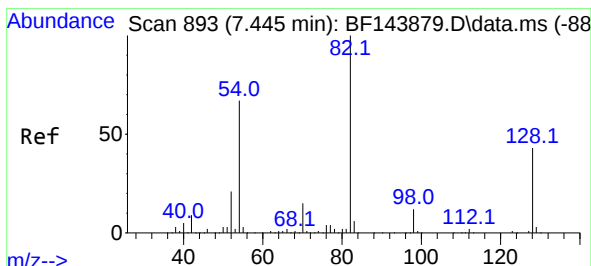
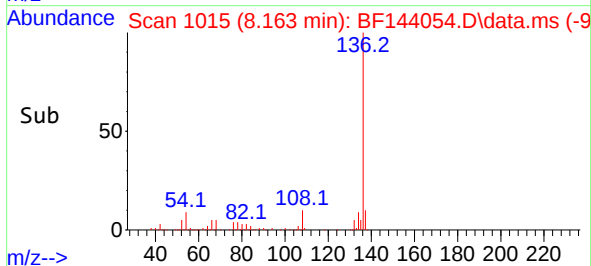
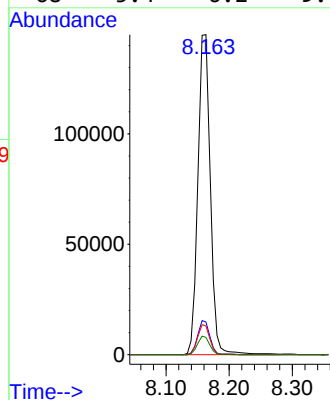
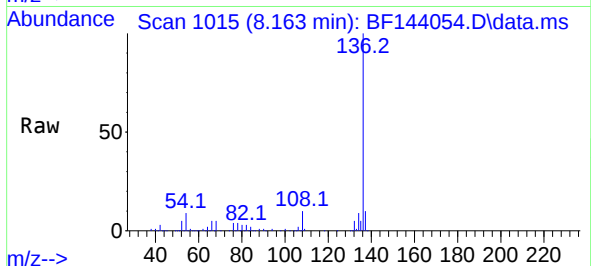


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

Tgt Ion:136 Resp: 198994

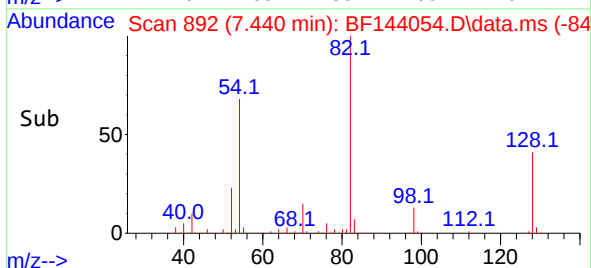
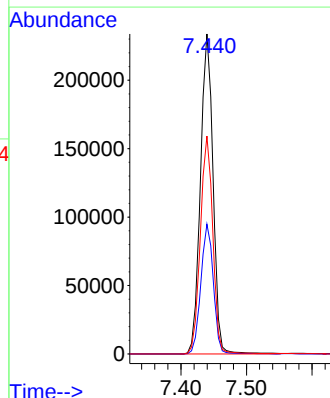
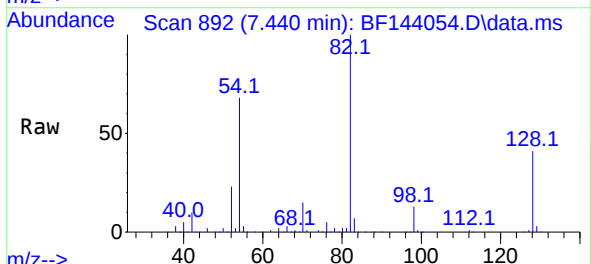
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.5	12.7
54	9.0	8.2	12.4
68	5.4	6.2	9.4

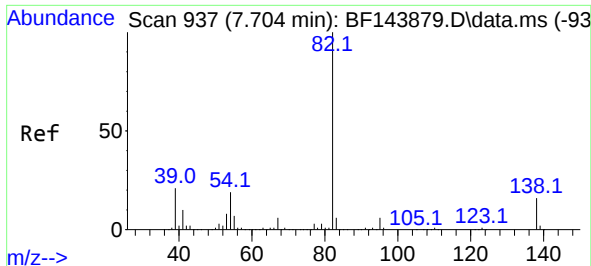


#23
Nitrobenzene-d5
Concen: 95.859 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Tgt Ion: 82 Resp: 313974

Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.0	51.0
54	68.1	53.2	79.8

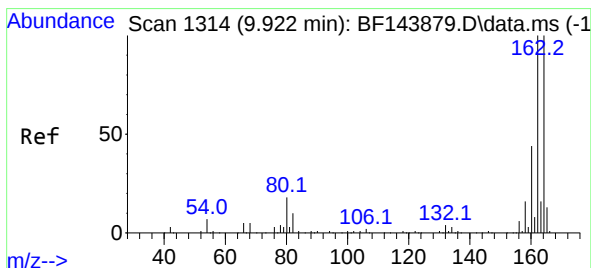
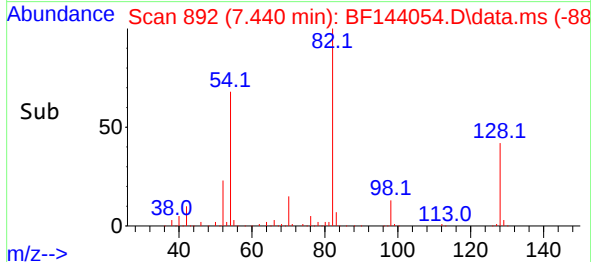
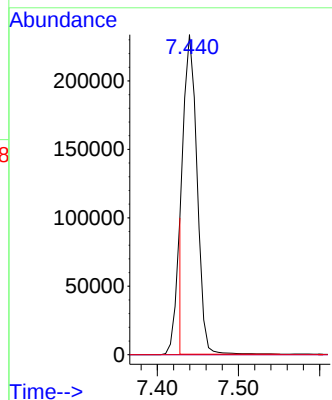
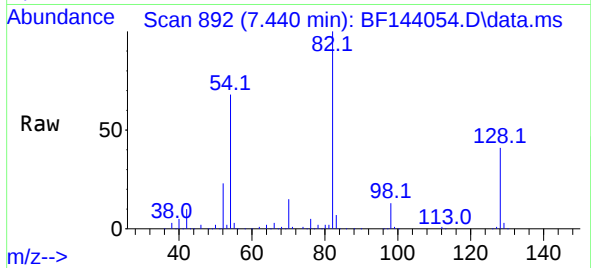




#25
Isophorone
Concen: 37.736 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

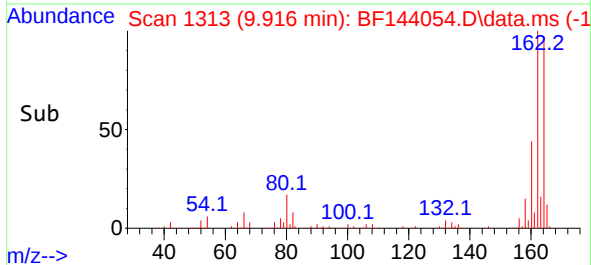
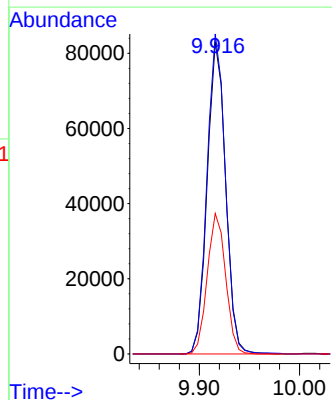
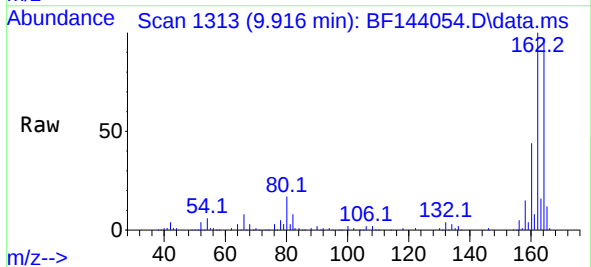
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

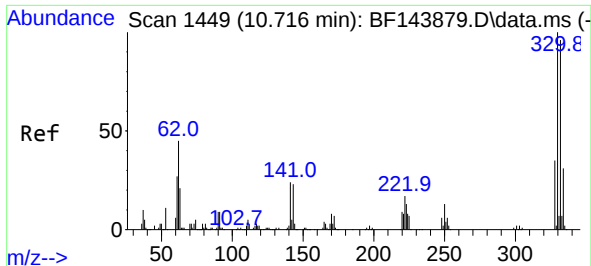
Tgt Ion: 82 Resp: 260612
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.011 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Tgt Ion:164 Resp: 105823
Ion Ratio Lower Upper
164 100
162 102.7 80.2 120.2
160 45.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 142.927 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF144054.D

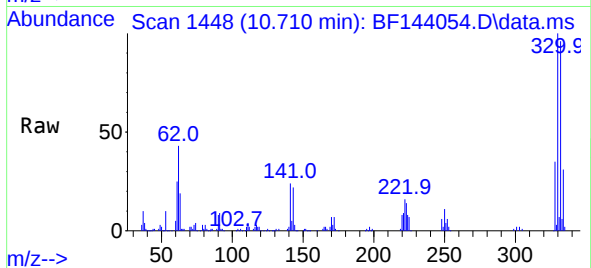
Acq: 23 Oct 2025 13:55

Instrument :

BNA_F

ClientSampleId :

FRAC-TANK-0760450



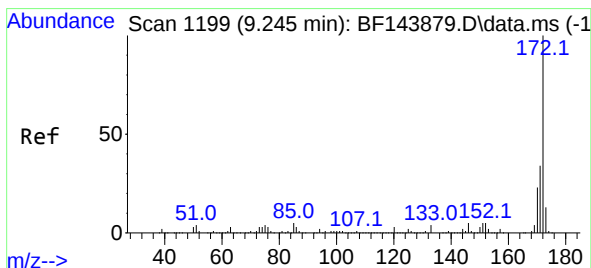
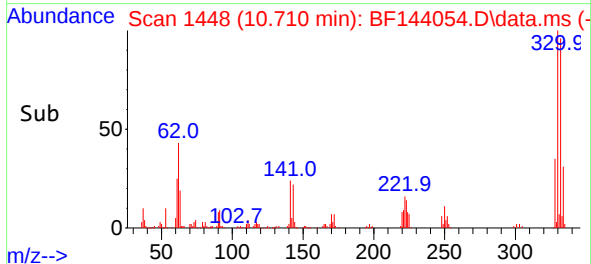
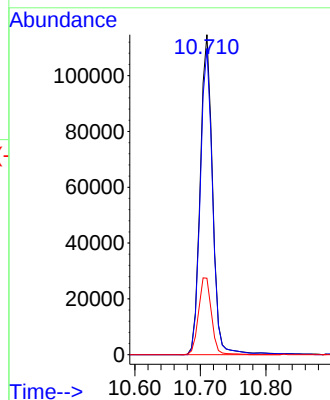
Tgt Ion:330 Resp: 150648

Ion Ratio Lower Upper

330 100

332 94.8 76.9 115.3

141 25.0 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 91.390 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF144054.D

Acq: 23 Oct 2025 13:55

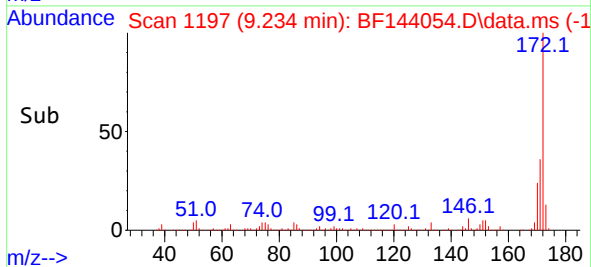
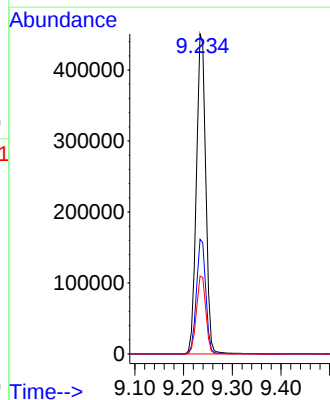
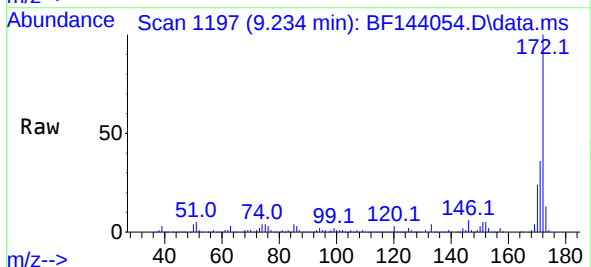
Tgt Ion:172 Resp: 609498

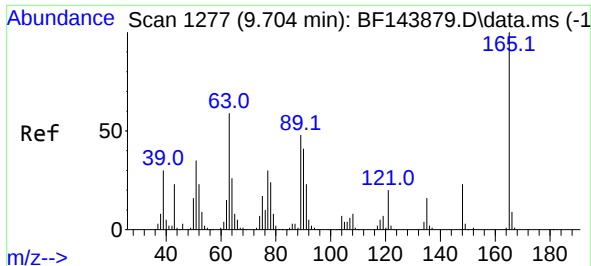
Ion Ratio Lower Upper

172 100

171 35.8 27.4 41.0

170 24.3 18.6 28.0

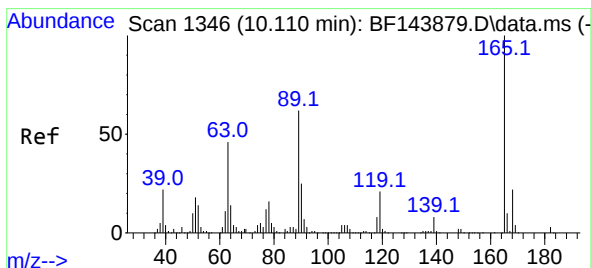
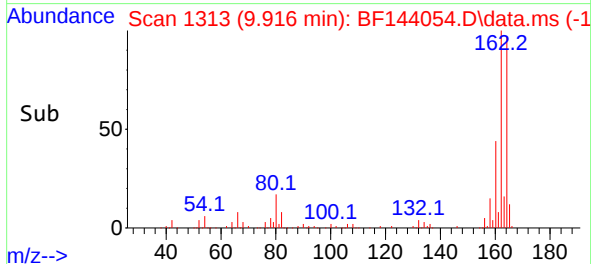
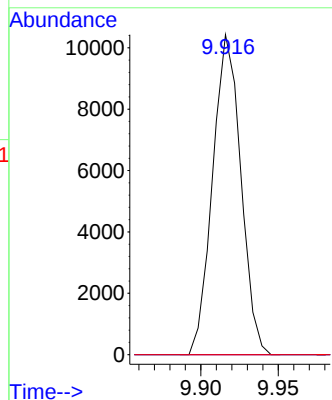
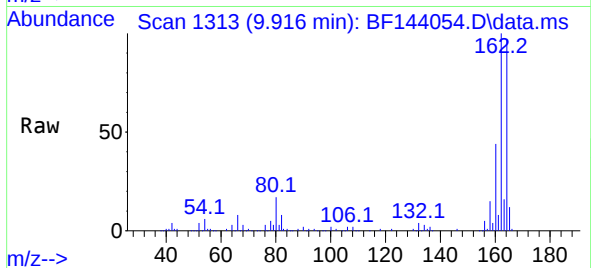




#51
2,6-Dinitrotoluene
Concen: 10.590 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

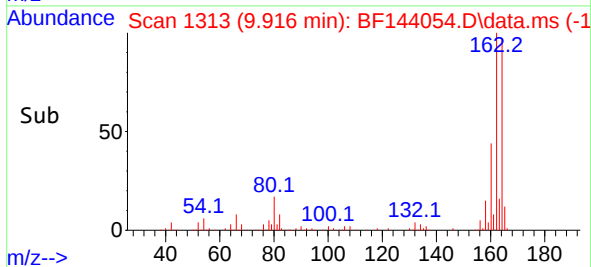
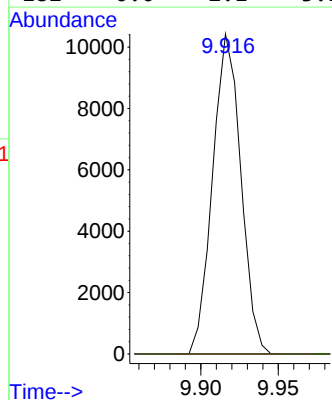
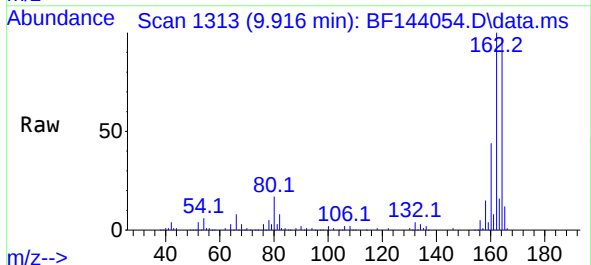
Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

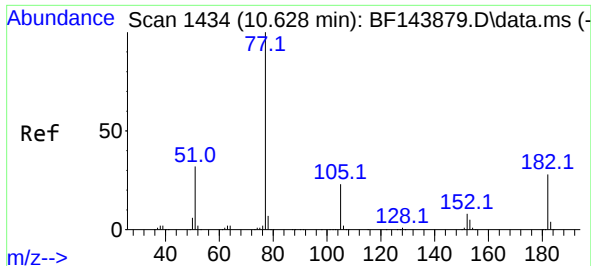
Tgt Ion:165 Resp: 13197
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.783 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.200 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

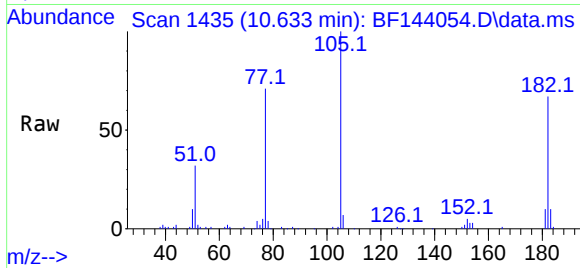
Tgt Ion:165 Resp: 13197
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#



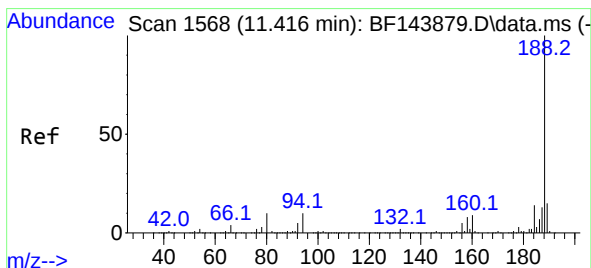
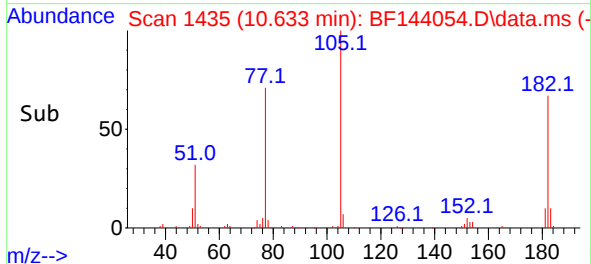
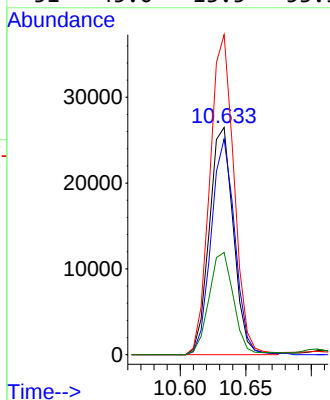


#63
Azobenzene
Concen: 5.182 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

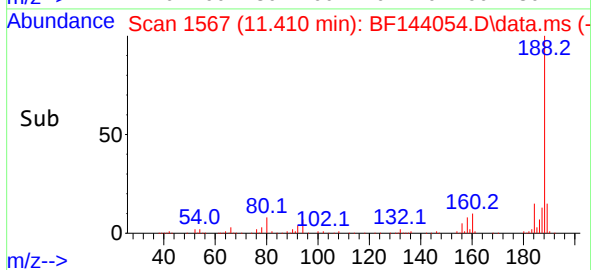
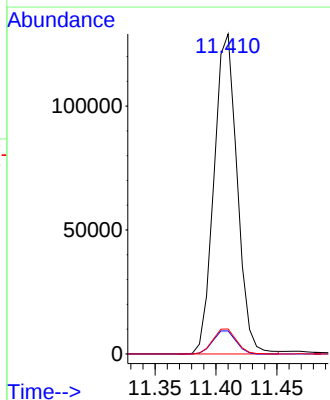
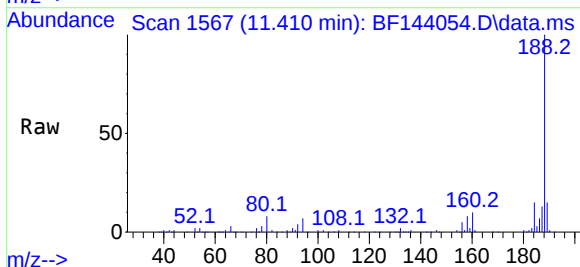


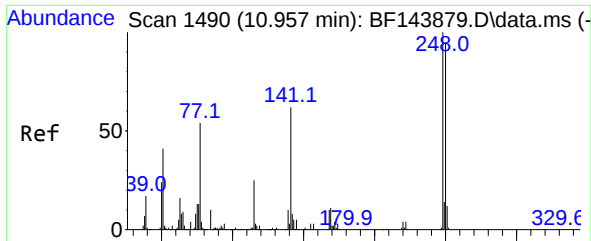
Tgt Ion: 77 Resp: 33809
Ion Ratio Lower Upper
77 100
182 95.0 7.3 47.3#
105 140.8 3.0 43.0#
51 45.0 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

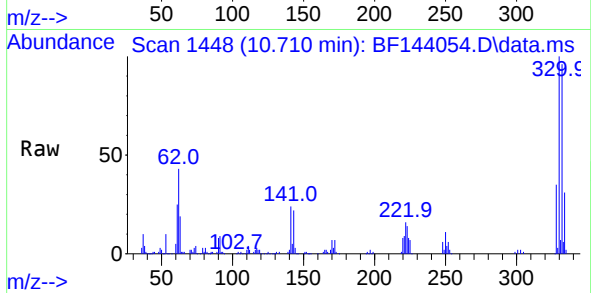
Tgt Ion: 188 Resp: 171138
Ion Ratio Lower Upper
188 100
94 7.2 7.8 11.6#
80 7.8 7.9 11.9#



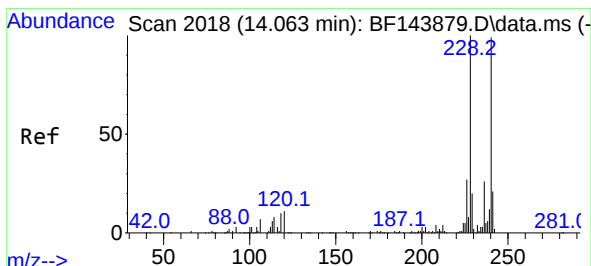
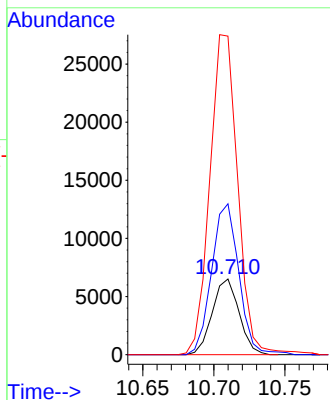
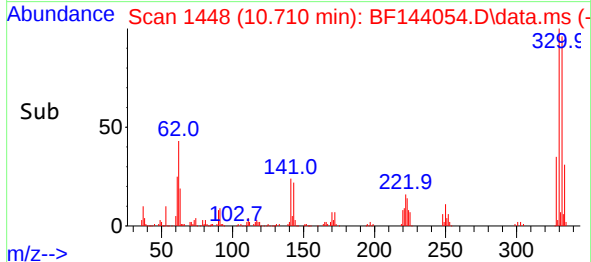


#67
4-Bromophenyl-phenylether
Concen: 4.525 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Instrument :
BNA_F
ClientSampleId :
FRAC-TANK-0760450

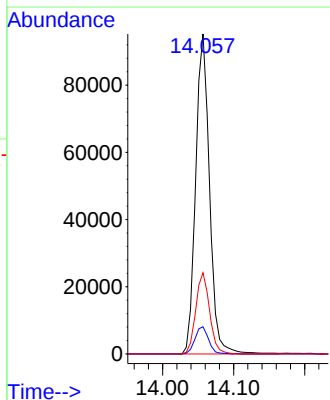
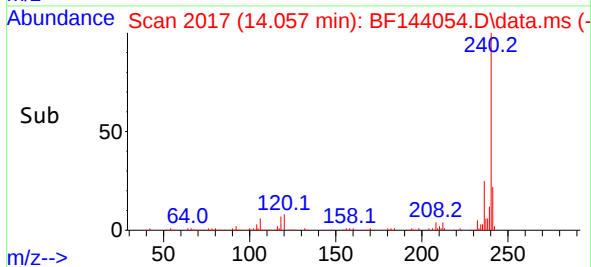
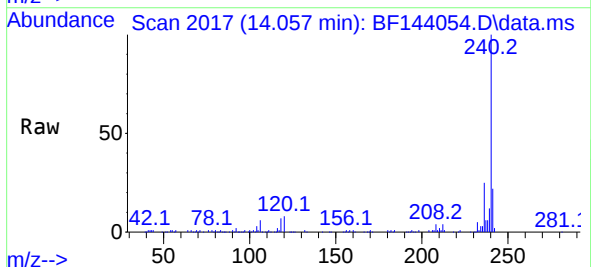


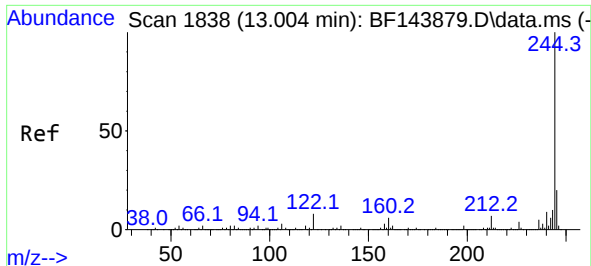
Tgt Ion:248 Resp: 8559
Ion Ratio Lower Upper
248 100
250 199.3 76.3 114.5#
141 420.6 49.7 74.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144054.D
Acq: 23 Oct 2025 13:55

Tgt Ion:240 Resp: 129622
Ion Ratio Lower Upper
240 100
120 8.5 8.6 13.0#
236 25.4 21.1 31.7

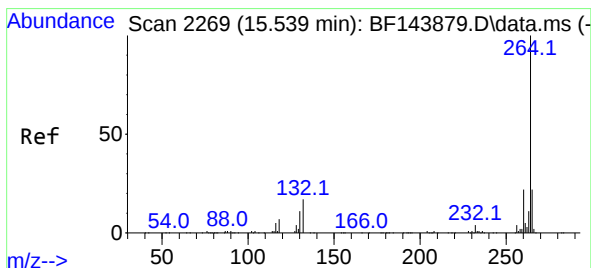
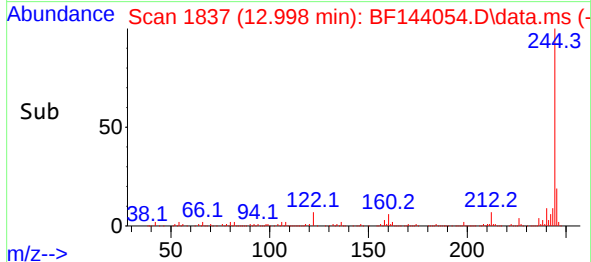
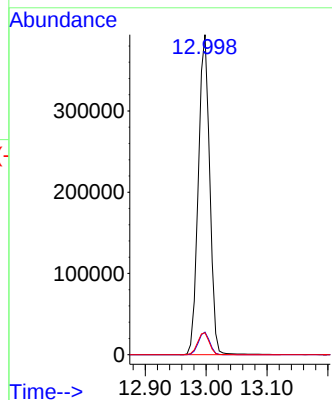
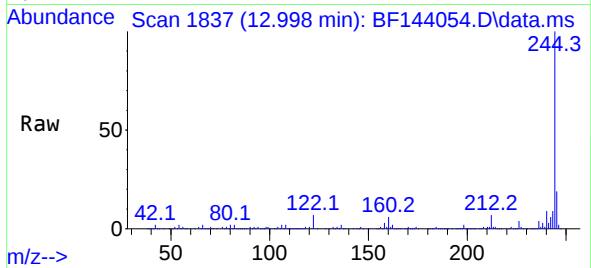




#79
 Terphenyl-d14
 Concen: 67.470 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF144054.D
 Acq: 23 Oct 2025 13:55

Instrument :
 BNA_F
 ClientSampleId :
 FRAC-TANK-0760450

Tgt Ion:244 Resp: 511712
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 6.9 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF144054.D
 Acq: 23 Oct 2025 13:55

Tgt Ion:264 Resp: 150519
 Ion Ratio Lower Upper
 264 100
 260 21.2 17.8 26.8
 265 20.7 17.5 26.3

