

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
 Data File : BF144238.D
 Acq On : 12 Nov 2025 19:50
 Operator : RC/JU
 Sample : Q3604-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Nov 13 10:42:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

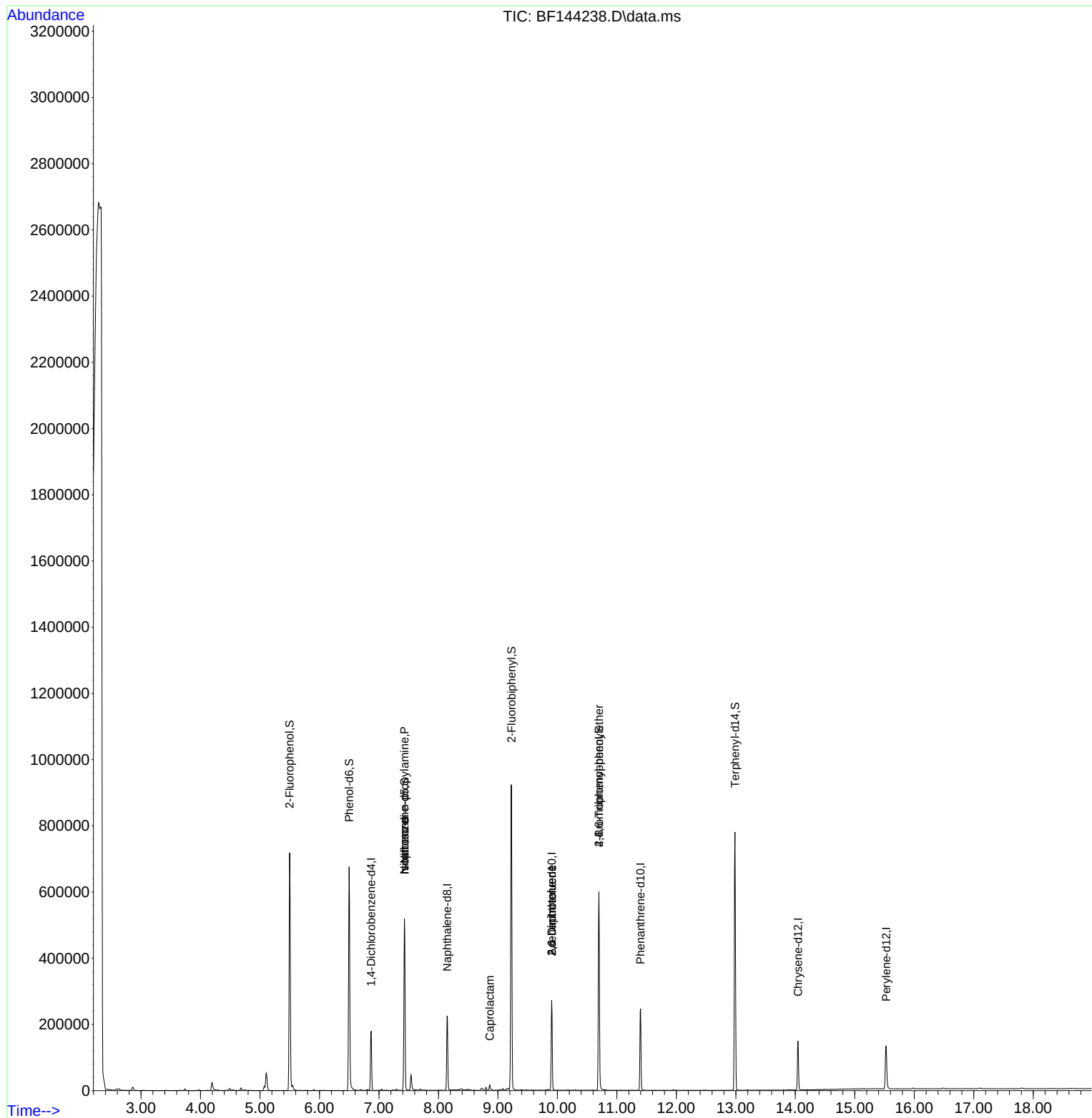
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	38704	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	149327	20.000	ng	#-0.01
39) Acenaphthene-d10	9.904	164	83545	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	140163	20.000	ng	0.00
76) Chrysene-d12	14.045	240	78393	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	90826	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	280445	113.389	ng	0.00
7) Phenol-d6	6.498	99	308106	109.942	ng	0.00
23) Nitrobenzene-d5	7.428	82	224372	86.780	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	125388	119.600	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	454119	80.281	ng	0.00
79) Terphenyl-d14	12.986	244	418346	84.766	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	32561	17.650	ng	# 81
25) Isophorone	7.428	82	224369	45.878	ng	# 66
35) Caprolactam	8.863	113	1566	2.381	ng	# 17
51) 2,6-Dinitrotoluene	9.904	165	10769	9.612	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	10769	7.180	ng	# 27
67) 4-Bromophenyl-phenylether	10.698	248	7147	3.995	ng	# 1

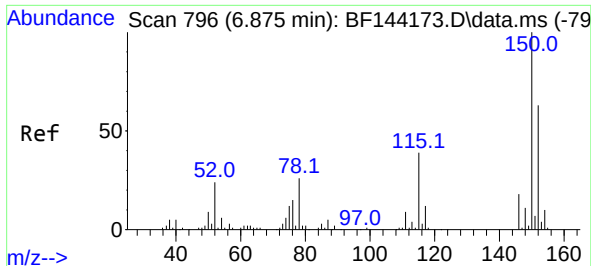
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111225\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

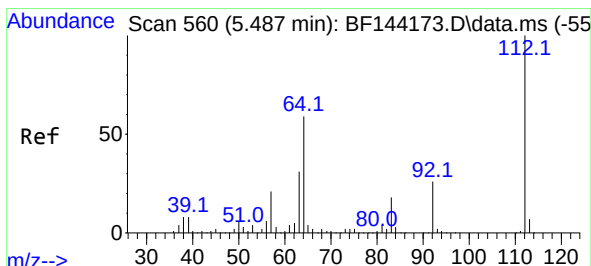
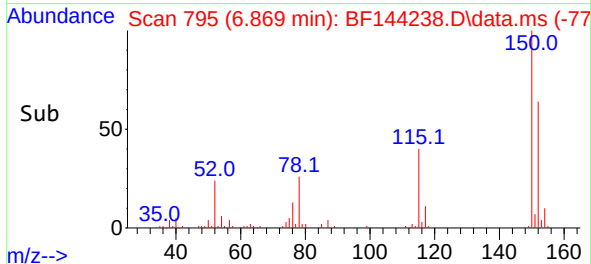
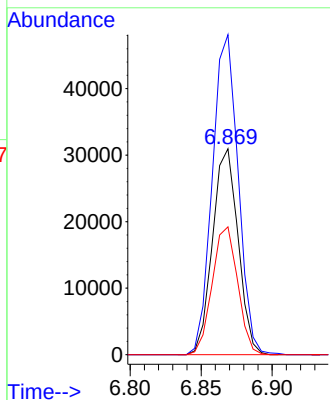
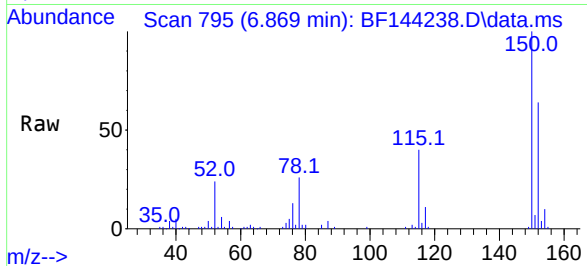




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

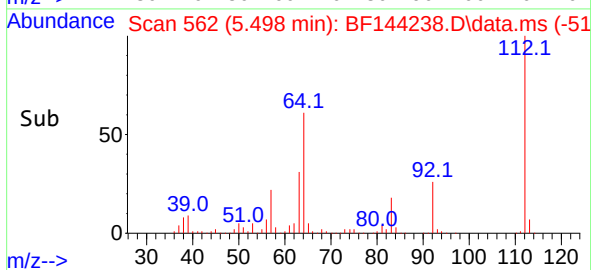
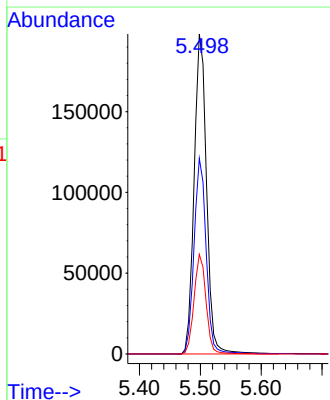
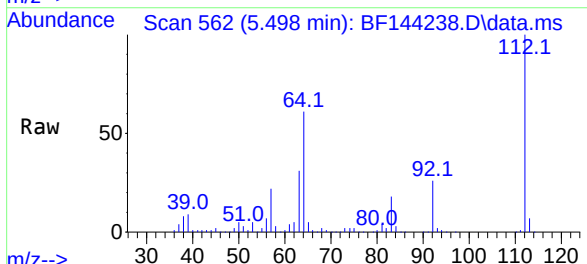
Instrument :
BNA_F
ClientSampleId :
S-1

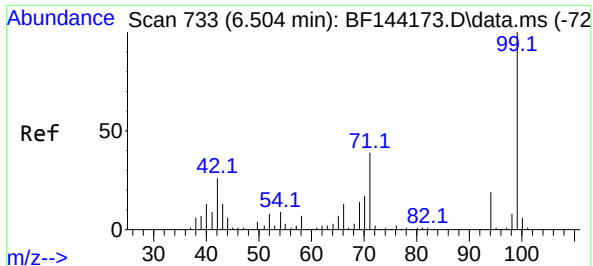
Tgt Ion:152 Resp: 38704
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.0
115 62.1 49.5 74.3



#5
2-Fluorophenol
Concen: 113.389 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:112 Resp: 280445
Ion Ratio Lower Upper
112 100
64 61.1 47.2 70.8
63 31.1 24.4 36.6

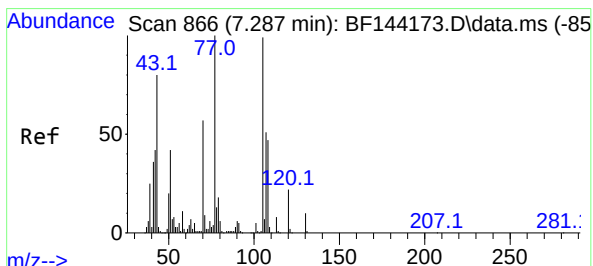
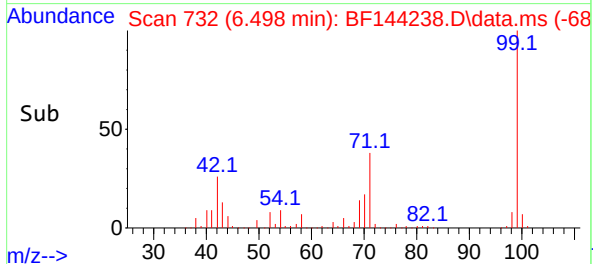
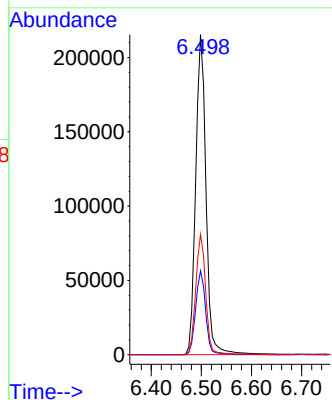
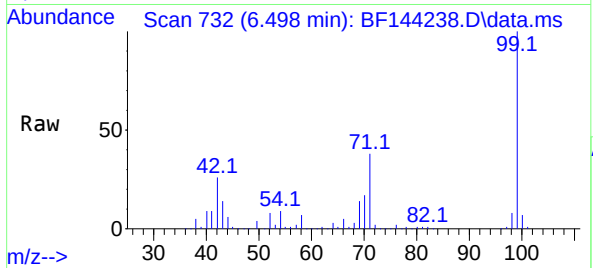




#7
Phenol-d6
Concen: 109.942 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

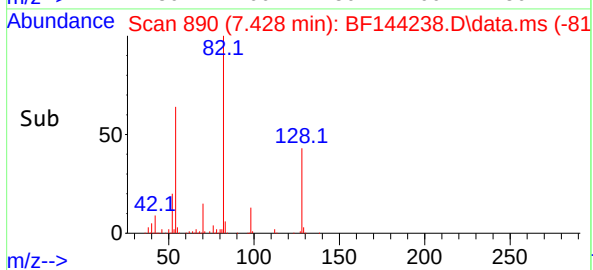
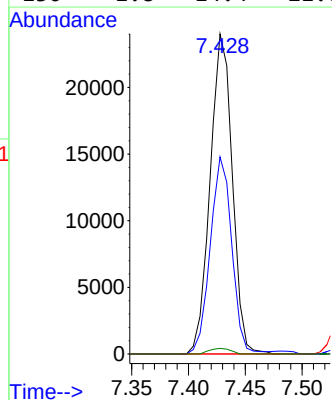
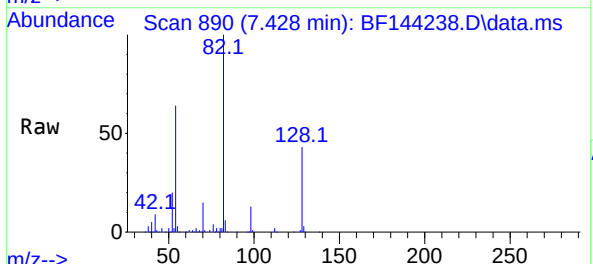
Instrument :
BNA_F
ClientSampleId :
S-1

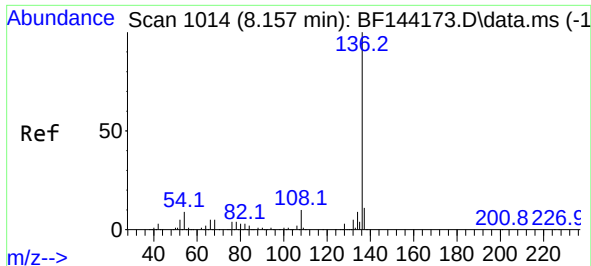
Tgt Ion: 99 Resp: 308106
Ion Ratio Lower Upper
99 100
42 26.2 20.9 31.3
71 37.6 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.650 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion: 70 Resp: 32561
Ion Ratio Lower Upper
70 100
42 61.6 58.3 87.5
101 0.0 7.0 10.6#
130 1.8 14.4 21.6#



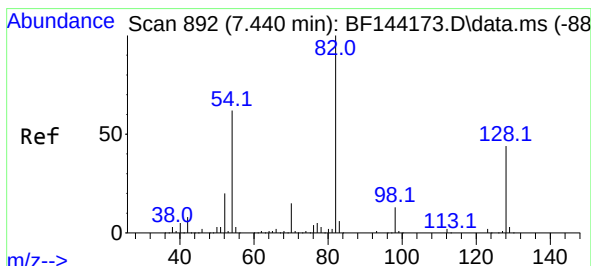
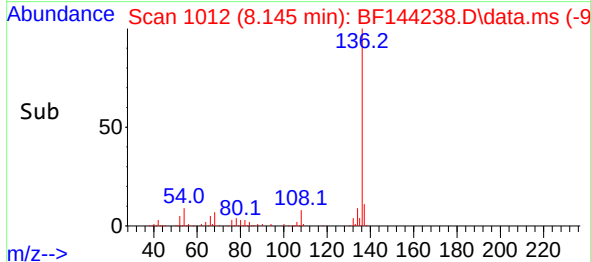
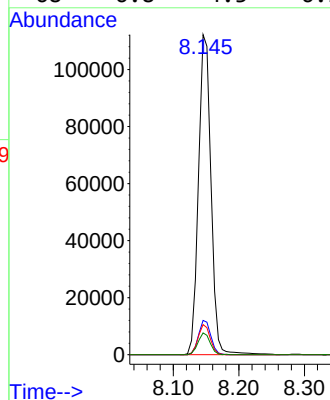
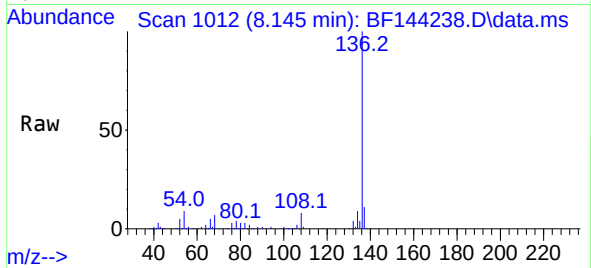


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:136 Resp: 149327

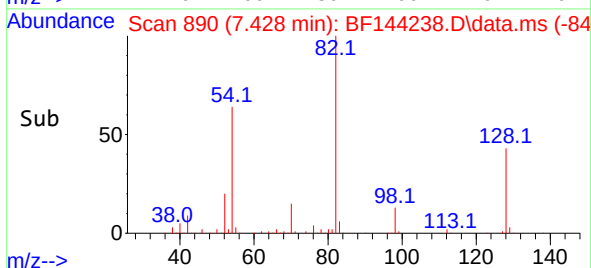
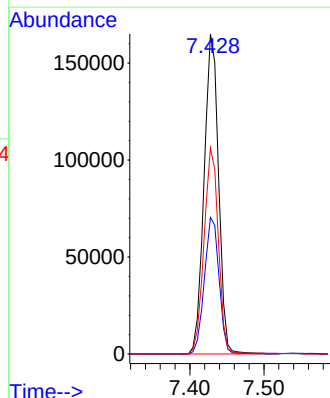
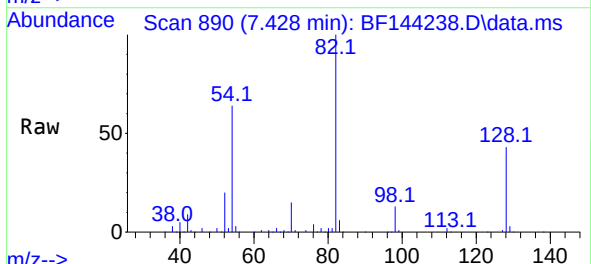
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.4	7.0	10.6
68	6.8	4.3	6.5

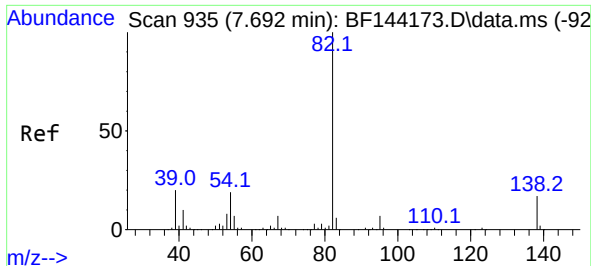


#23
Nitrobenzene-d5
Concen: 86.780 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion: 82 Resp: 224372

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.7	52.1
54	64.4	49.5	74.3

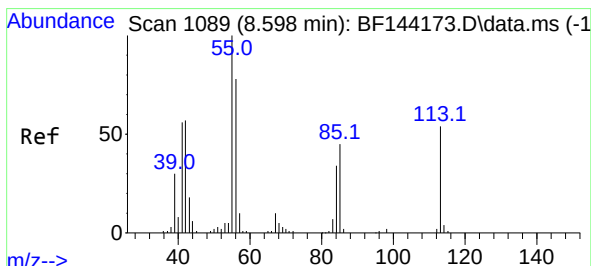
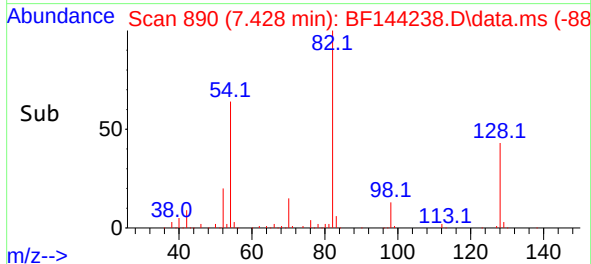
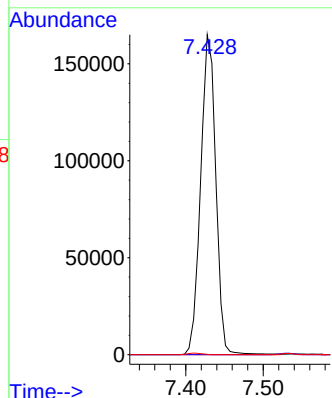
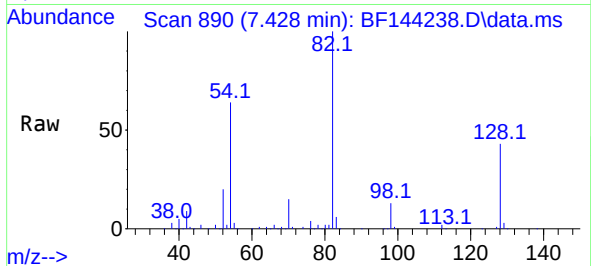




#25
Isophorone
Concen: 45.878 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

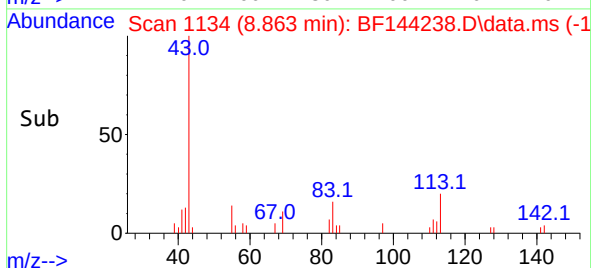
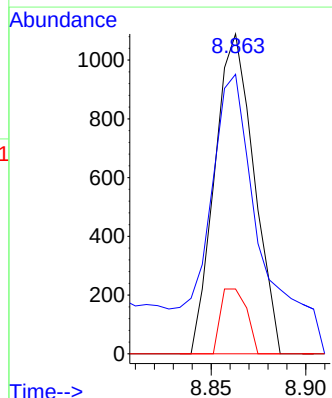
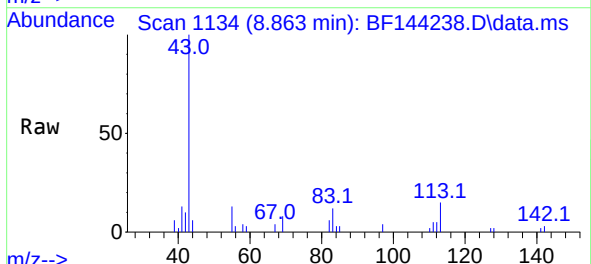
Instrument :
BNA_F
ClientSampleId :
S-1

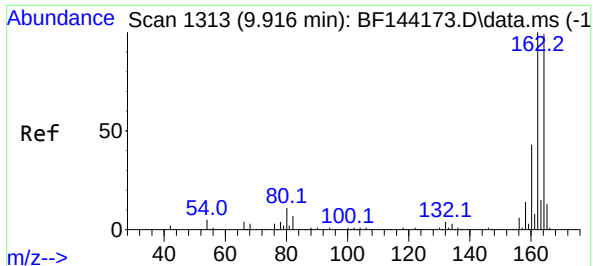
Tgt Ion: 82 Resp: 224369
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.1 13.7 20.5#



#35
Caprolactam
Concen: 2.381 ng
RT: 8.863 min Scan# 1134
Delta R.T. 0.241 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion: 113 Resp: 1566
Ion Ratio Lower Upper
113 100
55 87.4 166.8 206.8#
56 20.3 125.9 165.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144238.D

Acq: 12 Nov 2025 19:50

Instrument :

BNA_F

ClientSampleId :

S-1

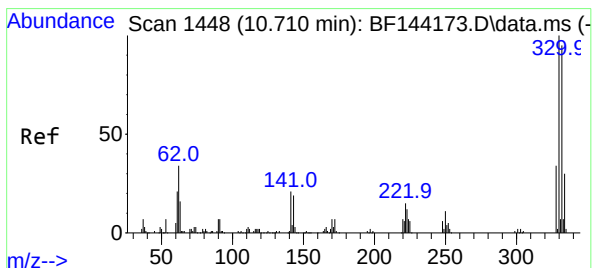
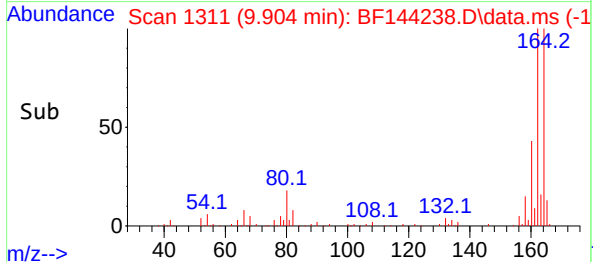
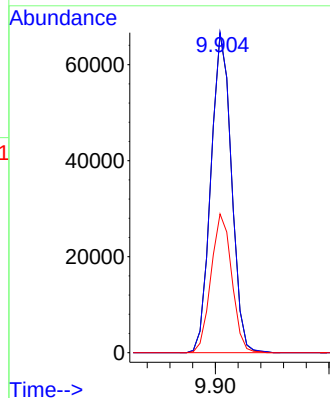
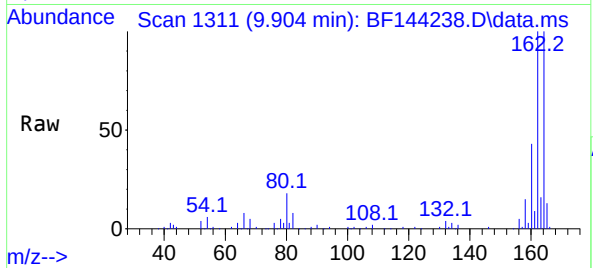
Tgt Ion:164 Resp: 83545

Ion Ratio Lower Upper

164 100

162 100.2 81.1 121.7

160 43.4 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 119.600 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF144238.D

Acq: 12 Nov 2025 19:50

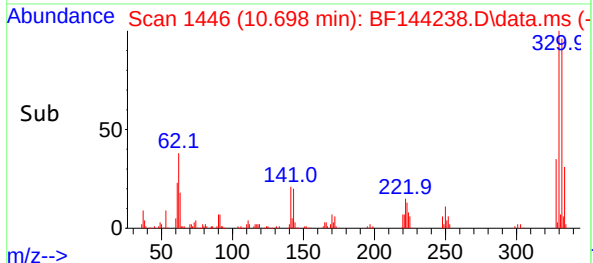
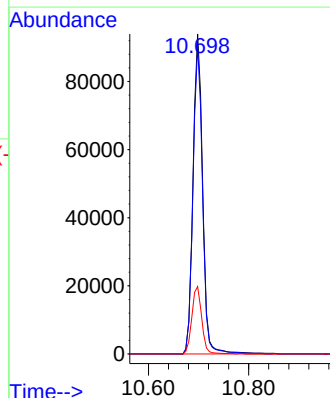
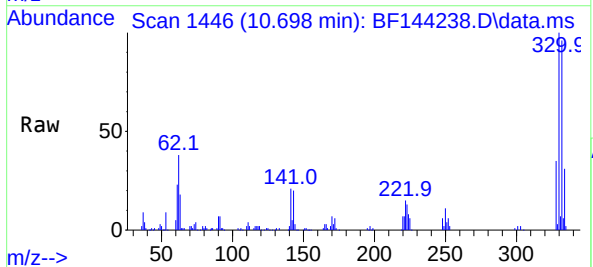
Tgt Ion:330 Resp: 125388

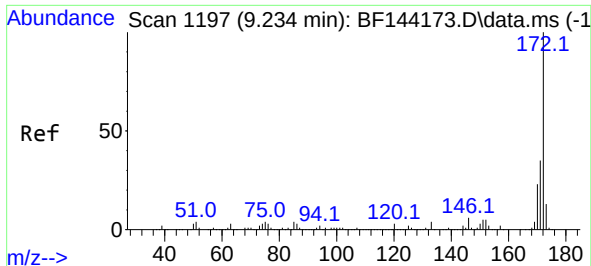
Ion Ratio Lower Upper

330 100

332 95.3 76.7 115.1

141 21.6 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 80.281 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF144238.D

Acq: 12 Nov 2025 19:50

Instrument :

BNA_F

ClientSampleId :

S-1

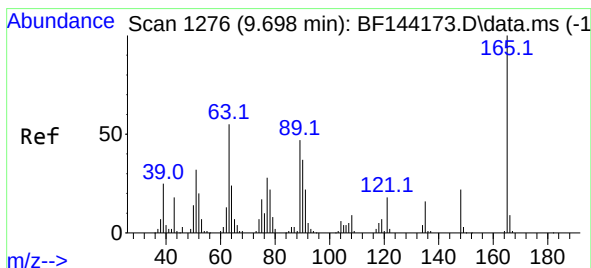
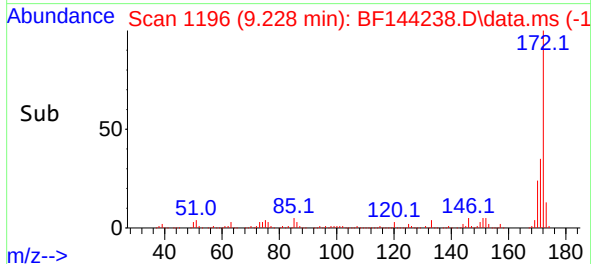
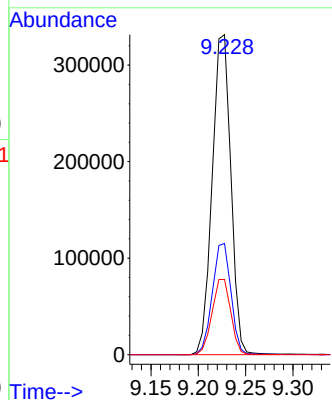
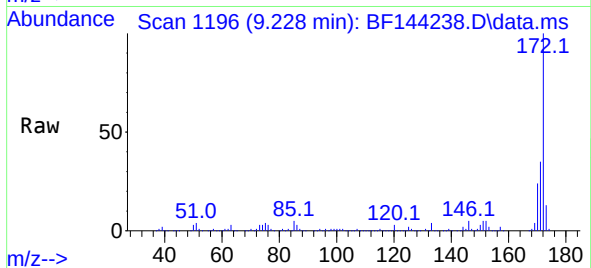
Tgt Ion:172 Resp: 454119

Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.5 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 9.612 ng

RT: 9.904 min Scan# 1311

Delta R.T. 0.212 min

Lab File: BF144238.D

Acq: 12 Nov 2025 19:50

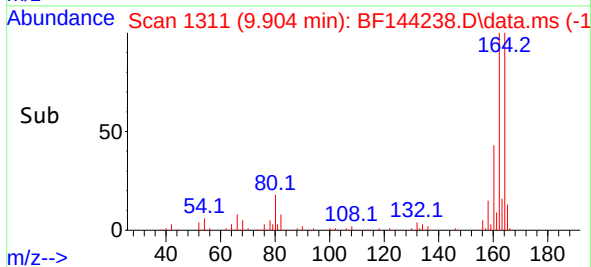
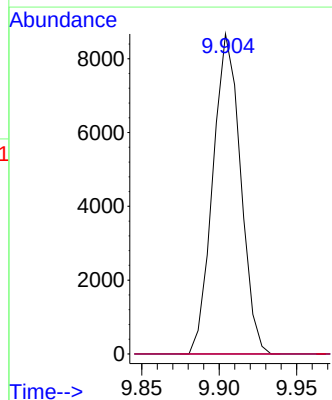
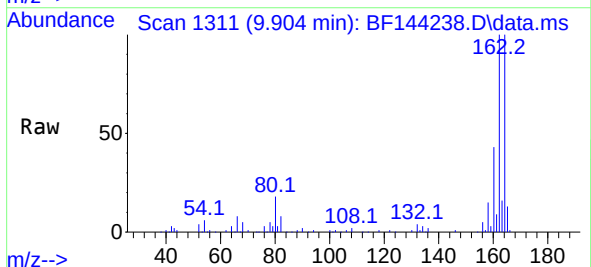
Tgt Ion:165 Resp: 10769

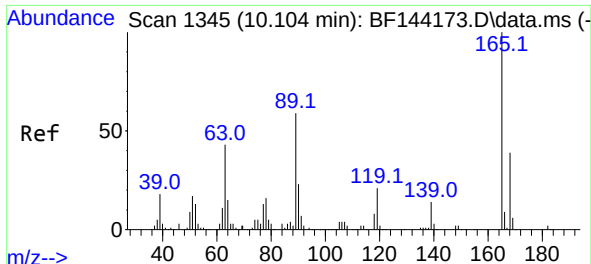
Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#

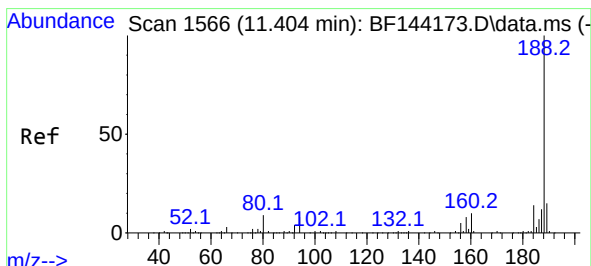
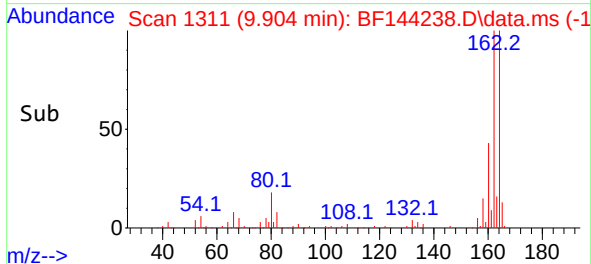
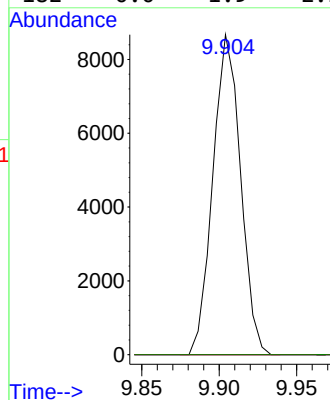
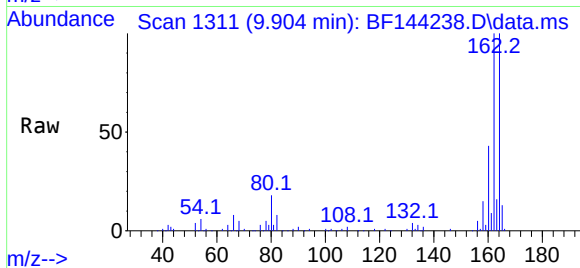




#57
2,4-Dinitrotoluene
Concen: 7.180 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

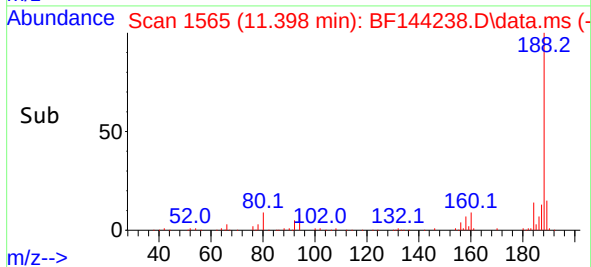
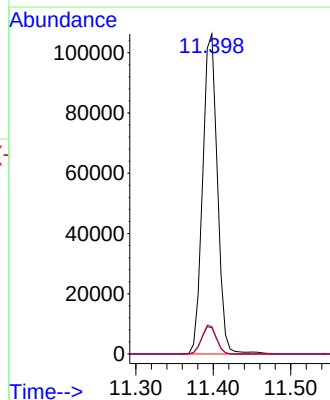
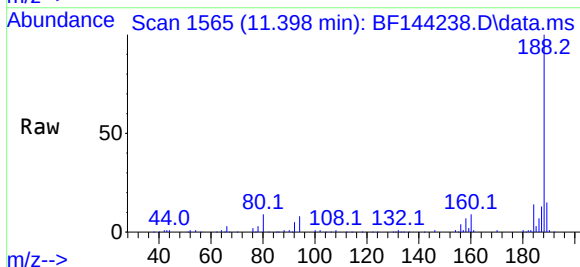
Instrument :
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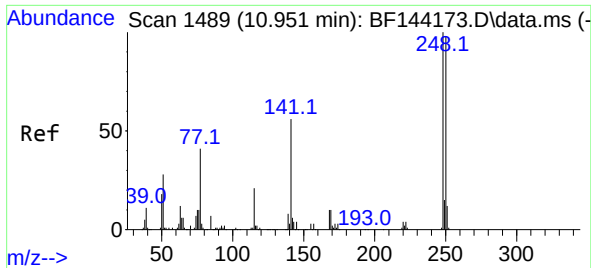
Tgt Ion:165	Resp:	10769
Ion Ratio	Lower	Upper
165	100	
63	0.0	35.5 53.3#
89	0.0	47.4 71.2#
182	0.0	1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:188	Resp:	140163
Ion Ratio	Lower	Upper
188	100	
94	8.2	6.2 9.2
80	8.6	6.9 10.3

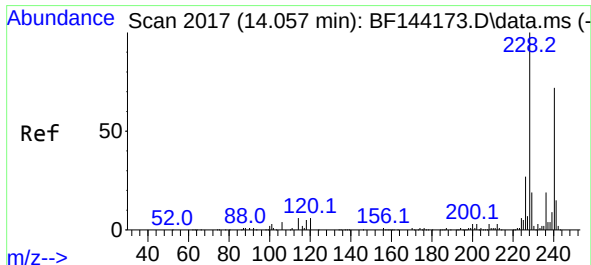
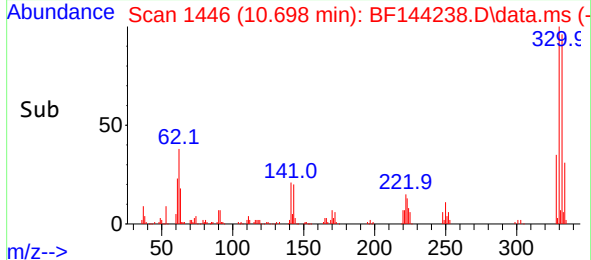
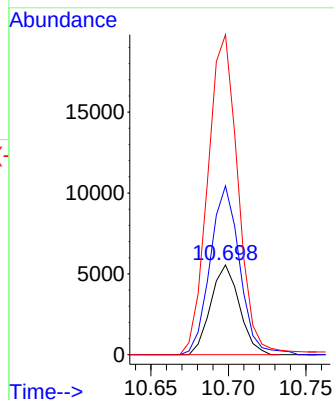
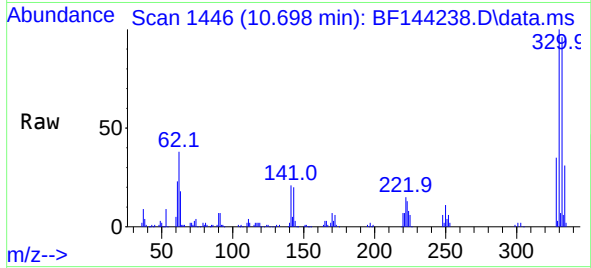




#67
4-Bromophenyl-phenylether
Concen: 3.995 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

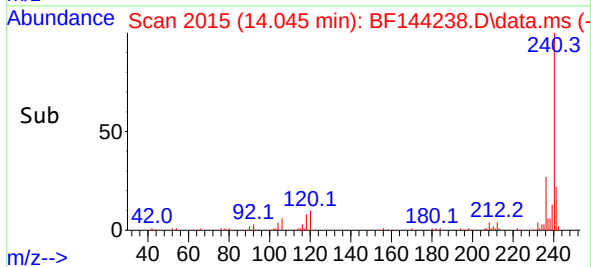
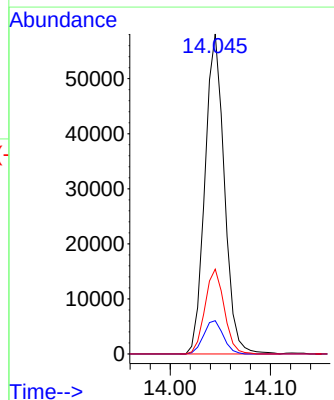
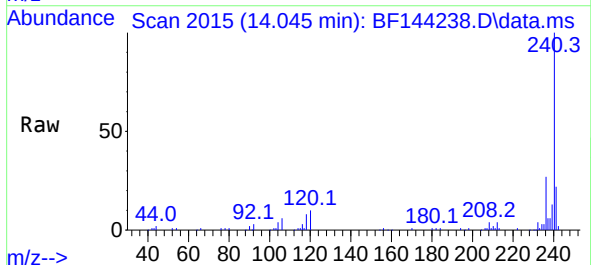
Instrument :
BNA_F
ClientSampleId :
S-1

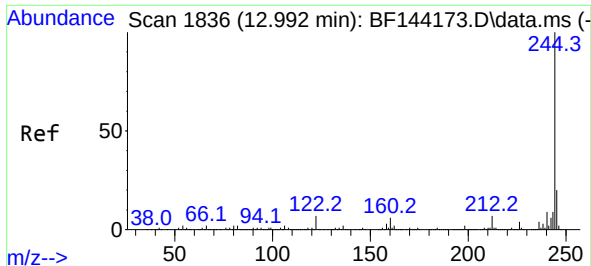
Tgt Ion:248 Resp: 7147
Ion Ratio Lower Upper
248 100
250 188.0 78.4 117.6#
141 356.5 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:240 Resp: 78393
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 26.5 21.4 32.2

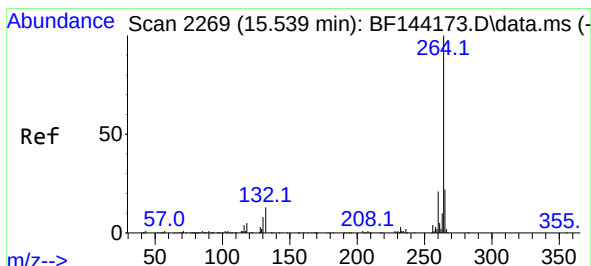
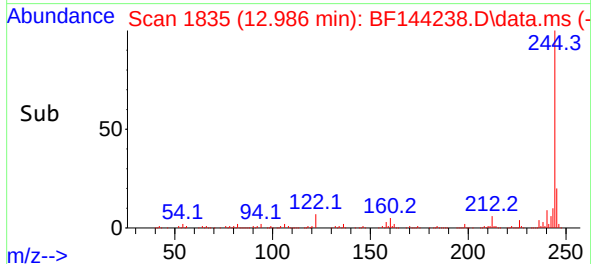
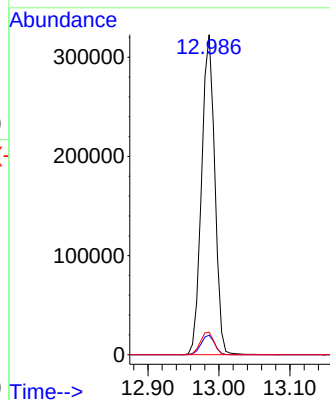
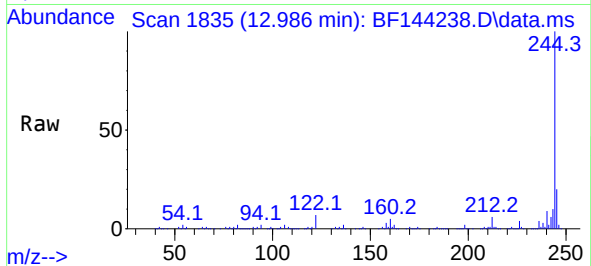




#79
Terphenyl-d14
Concen: 84.766 ng
RT: 12.986 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:244 Resp: 418346
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 7.0 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144238.D
Acq: 12 Nov 2025 19:50

Tgt Ion:264 Resp: 90826
Ion Ratio Lower Upper
264 100
260 22.4 17.1 25.7
265 21.8 17.4 26.0

