

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143218.D
 Acq On : 23 Jul 2025 18:26
 Operator : RC/JU
 Sample : Q2649-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Jul 24 01:18:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

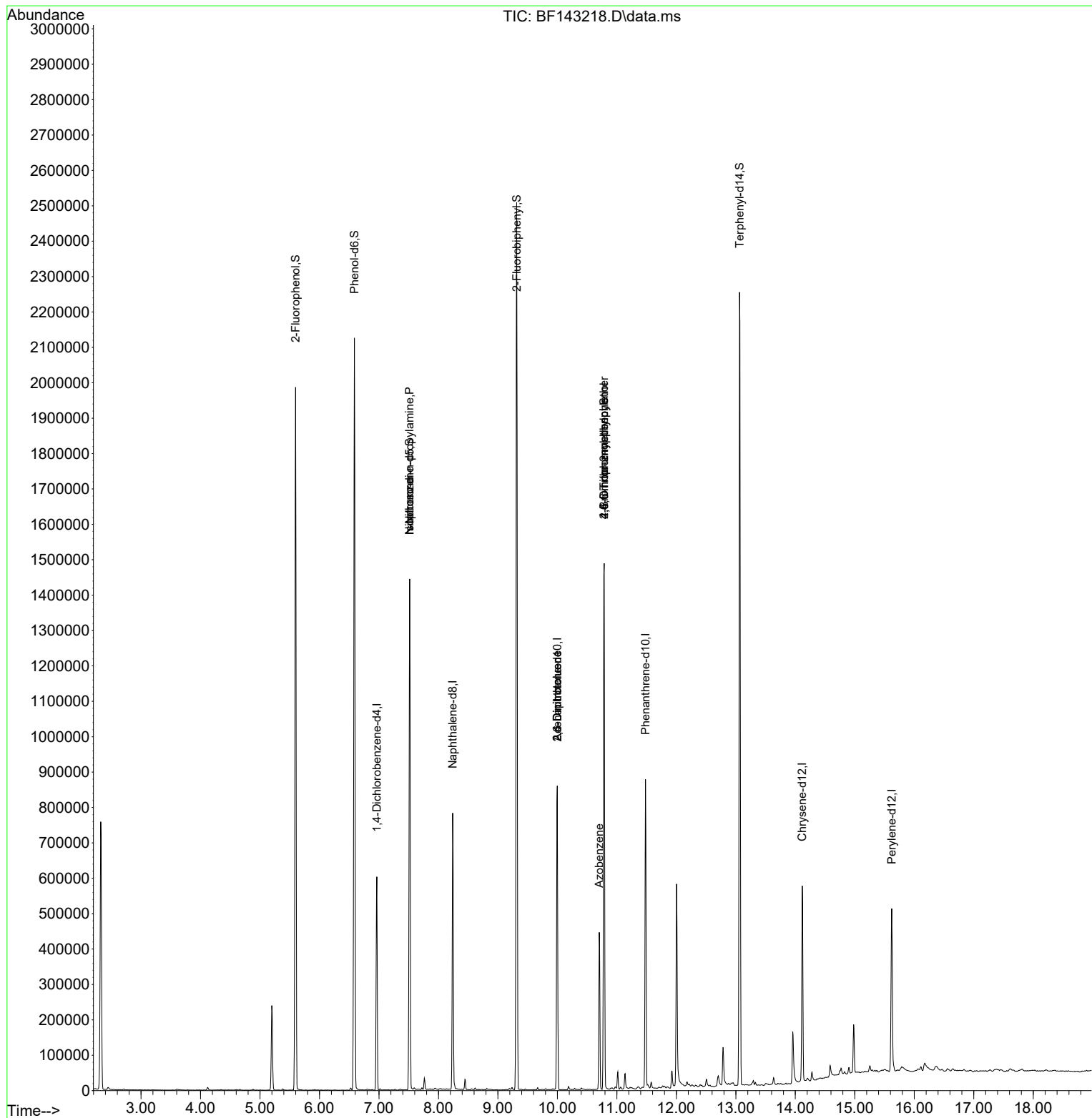
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	121916	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	474359	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	257619	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	428065	20.000	ng	0.00
76) Chrysene-d12	14.115	240	263467	20.000	ng	0.00
86) Perylene-d12	15.621	264	263533	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	729683	94.713	ng	0.01
7) Phenol-d6	6.587	99	1008179	103.967	ng	0.00
23) Nitrobenzene-d5	7.516	82	633129	66.531	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	267879	100.655	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1090829	57.909	ng	0.00
79) Terphenyl-d14	13.063	244	1109894	62.689	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	86492	13.902	ng	# 78
25) Isophorone	7.516	82	630340	37.522	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	33320	9.754	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	33320	7.775	ng	# 20
63) Azobenzene	10.704	77	111923	6.470	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	519	5.618	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	16579	3.250	ng	# 1

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

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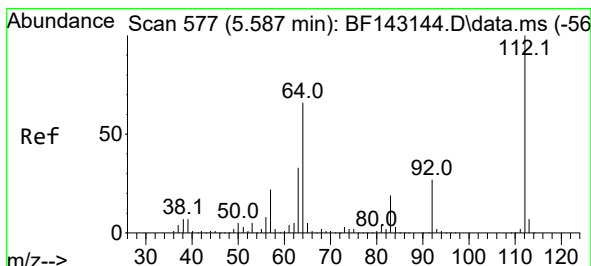
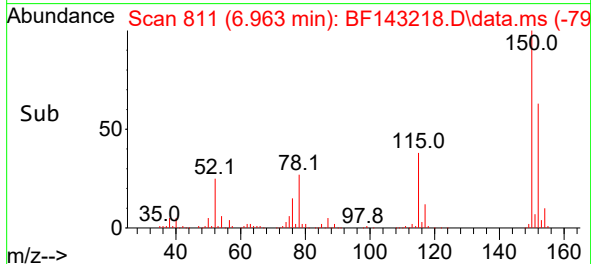
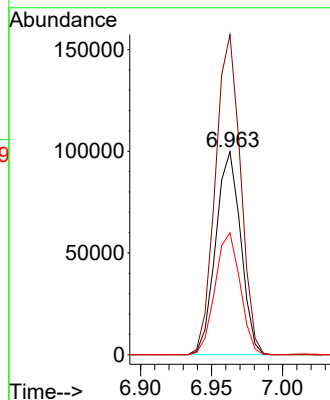
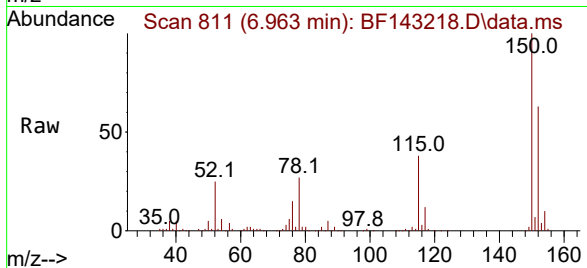




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

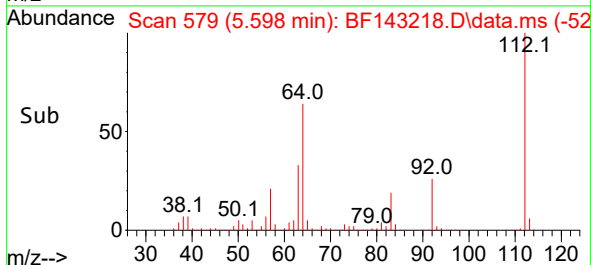
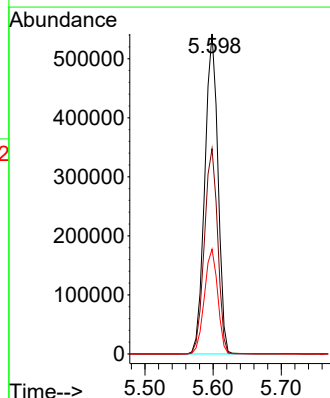
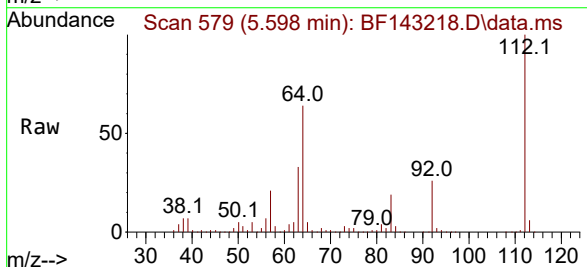
Instrument :
BNA_F
ClientSampleId :
WC-3

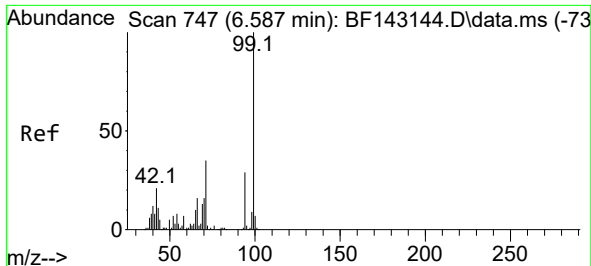
Tgt Ion:152 Resp: 121916
Ion Ratio Lower Upper
152 100
150 157.6 128.2 192.4
115 60.0 47.9 71.9



#5
2-Fluorophenol
Concen: 94.713 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion:112 Resp: 729683
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 32.7 26.6 40.0

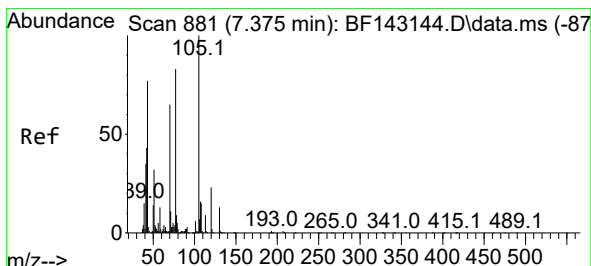
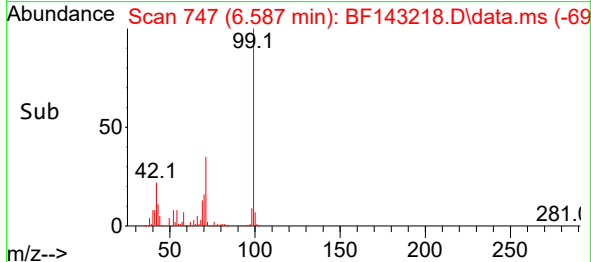
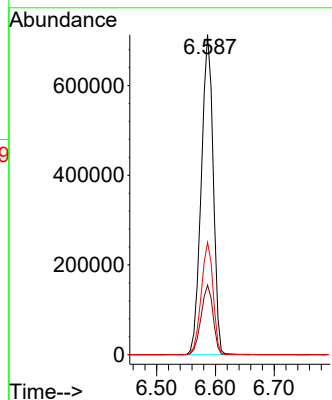
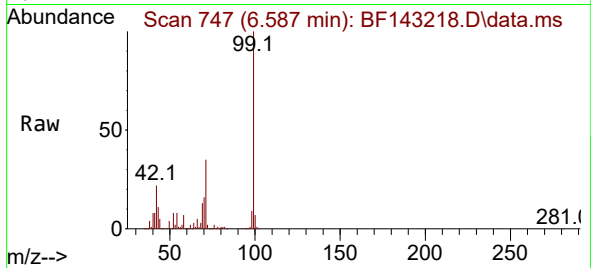




#7
Phenol-d6
Concen: 103.967 ng
RT: 6.587 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

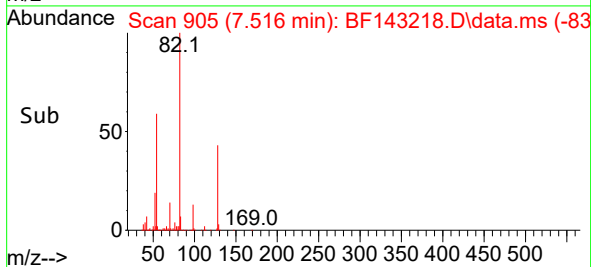
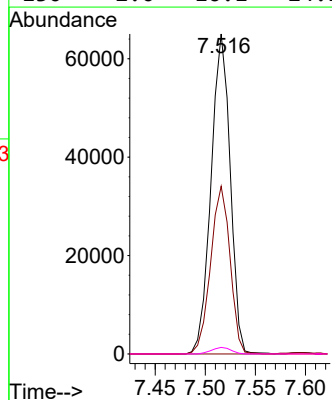
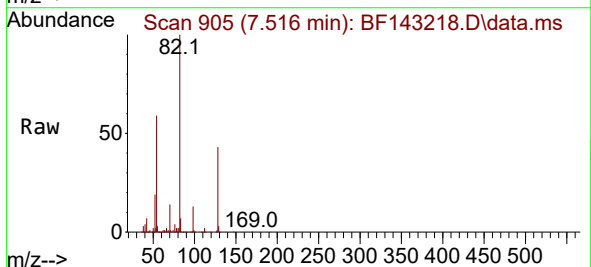
Instrument :
BNA_F
ClientSampleId :
WC-3

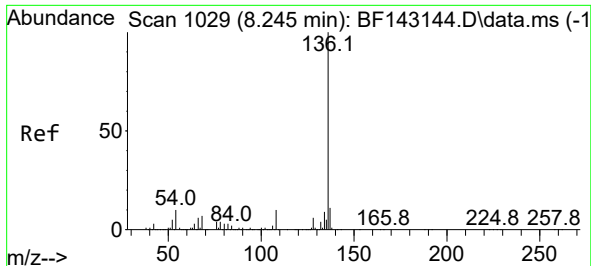
Tgt Ion: 99 Resp: 1008179
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 35.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.902 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion: 70 Resp: 86492
Ion Ratio Lower Upper
70 100
42 52.4 52.5 78.7#
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

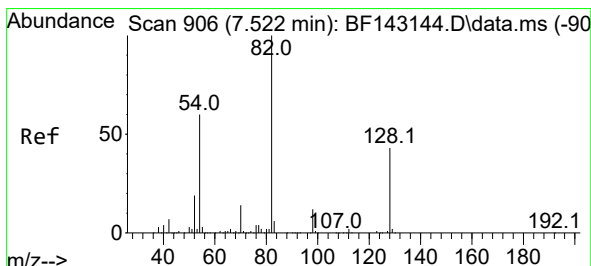
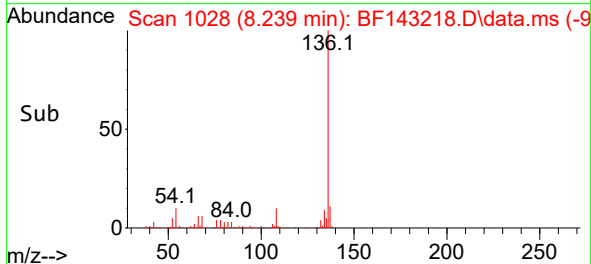
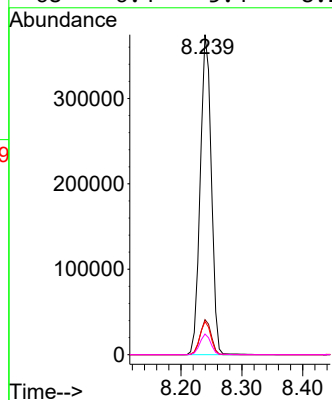
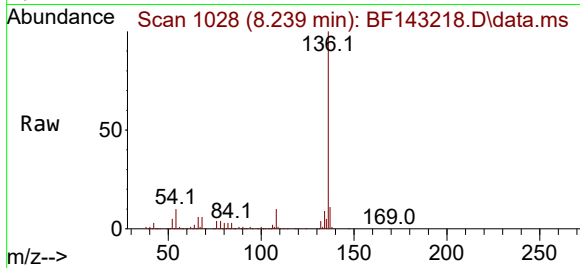




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

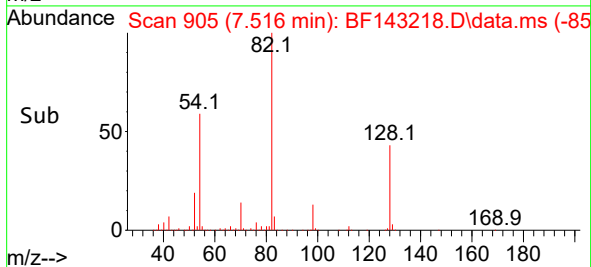
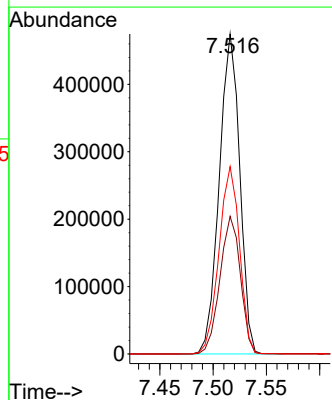
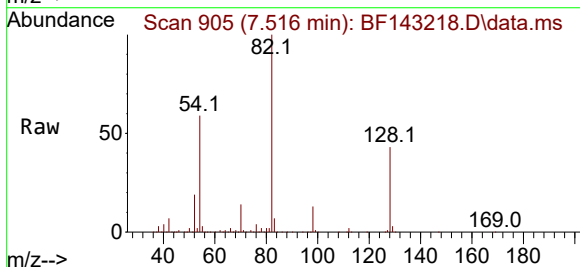
Instrument :
BNA_F
ClientSampleId :
WC-3

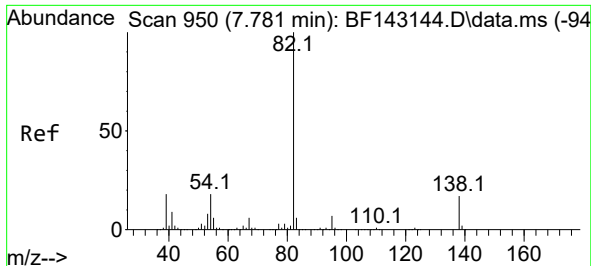
Tgt Ion:136	Resp: 474359
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 10.4	8.2 12.2
68 6.4	5.4 8.2



#23
Nitrobenzene-d5
Concen: 66.531 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion: 82	Resp: 633129
Ion Ratio	Lower Upper
82 100	
128 43.0	33.6 50.4
54 58.6	47.1 70.7

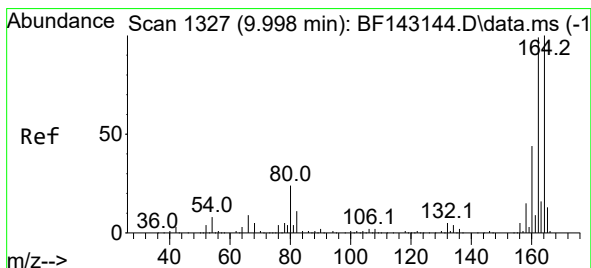
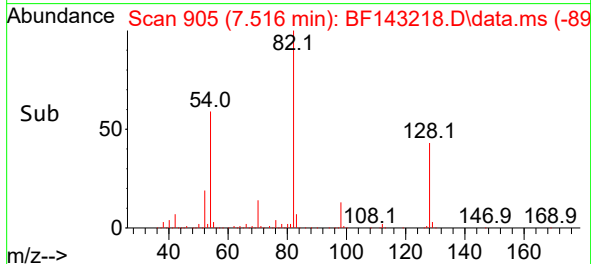
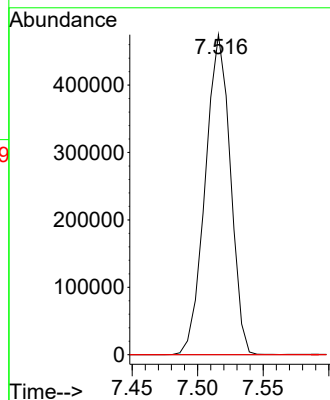
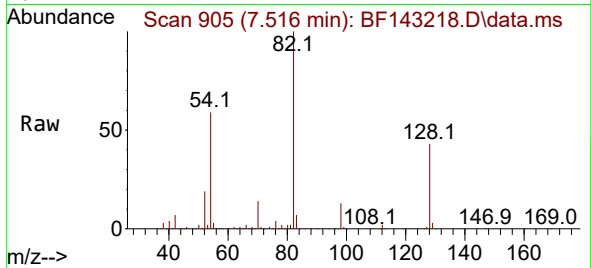




#25
Isophorone
Concen: 37.522 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

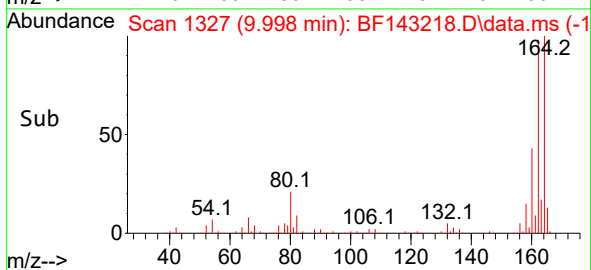
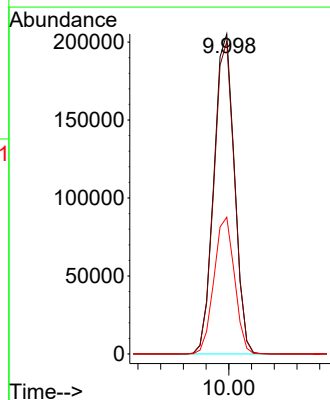
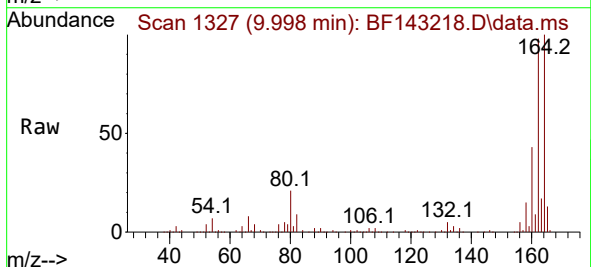
Instrument :
BNA_F
ClientSampleId :
WC-3

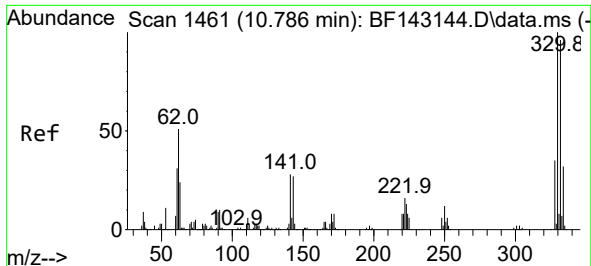
Tgt Ion: 82 Resp: 630340
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion:164 Resp: 257619
Ion Ratio Lower Upper
164 100
162 97.6 79.0 118.6
160 42.7 35.1 52.7

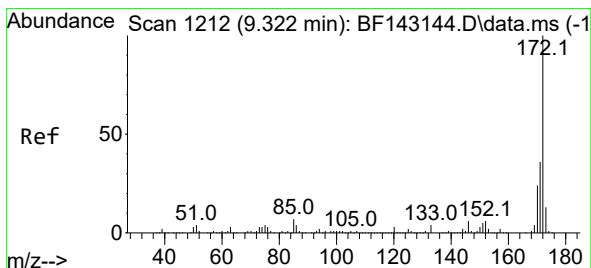
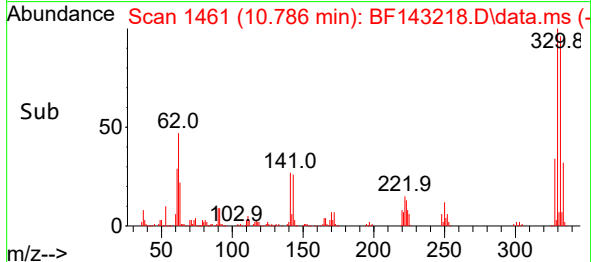
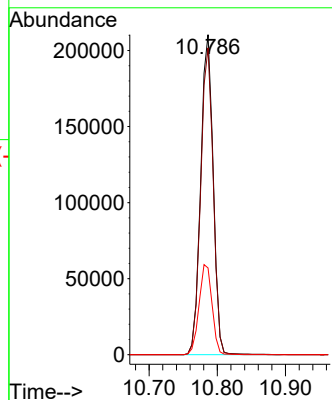
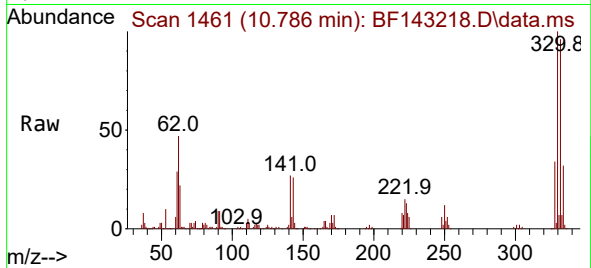




#42
2,4,6-Tribromophenol
Concen: 100.655 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

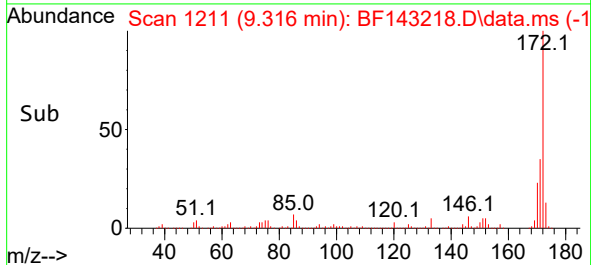
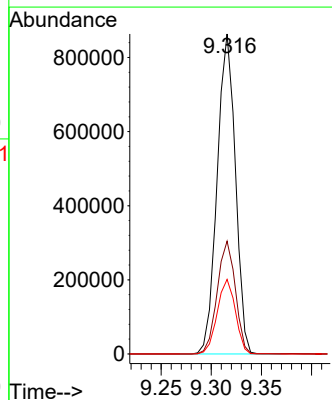
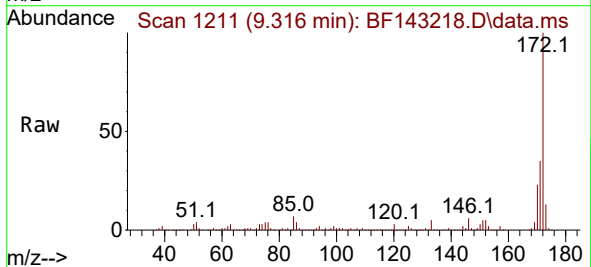
Instrument :
BNA_F
ClientSampleId :
WC-3

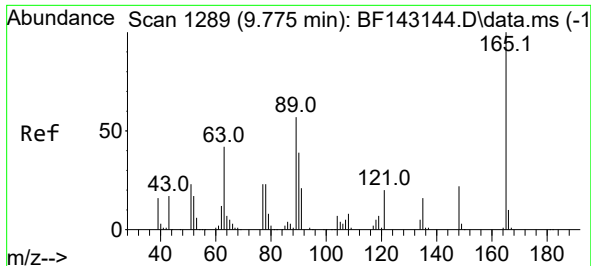
Tgt Ion:330 Resp: 267879
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 29.3 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 57.909 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion:172 Resp: 1090829
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.3 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.754 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143218.D

Acq: 23 Jul 2025 18:26

Instrument :

BNA_F

ClientSampleId :

WC-3

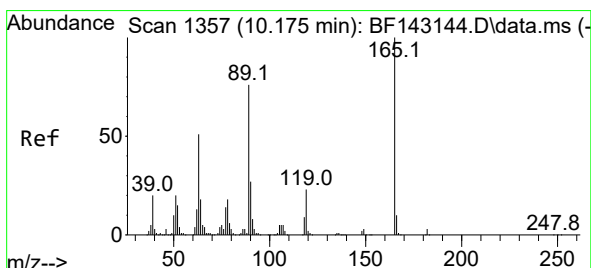
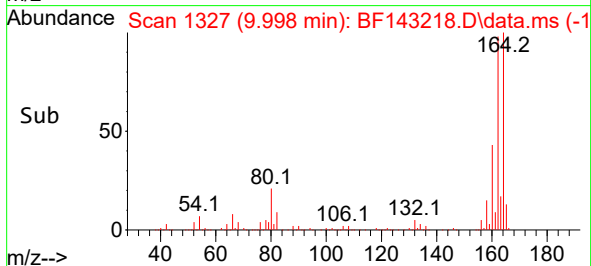
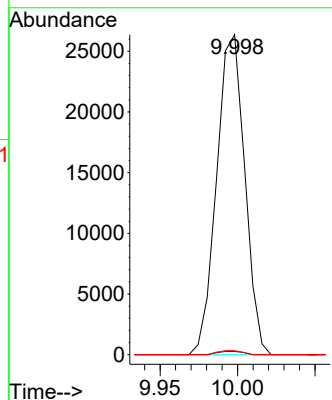
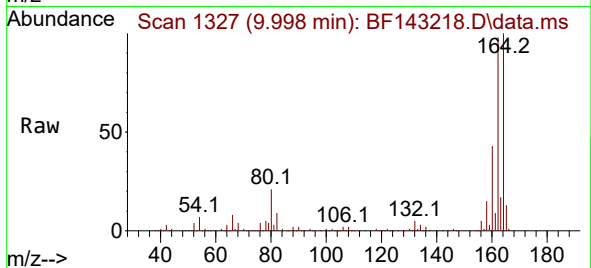
Tgt Ion:165 Resp: 33320

Ion Ratio Lower Upper

165 100

63 1.0 49.4 74.2#

89 1.3 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.775 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.177 min

Lab File: BF143218.D

Acq: 23 Jul 2025 18:26

Tgt Ion:165 Resp: 33320

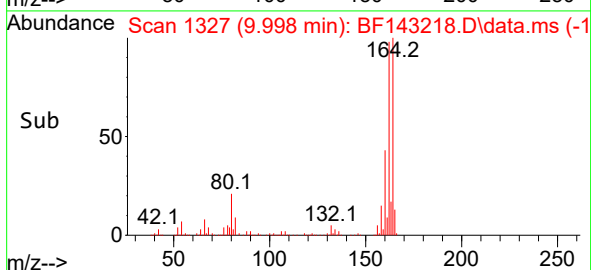
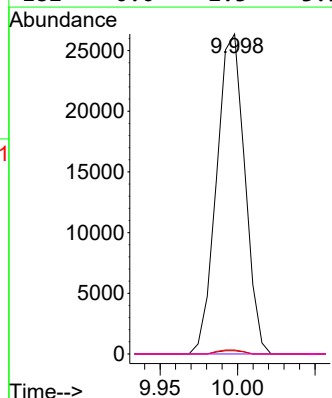
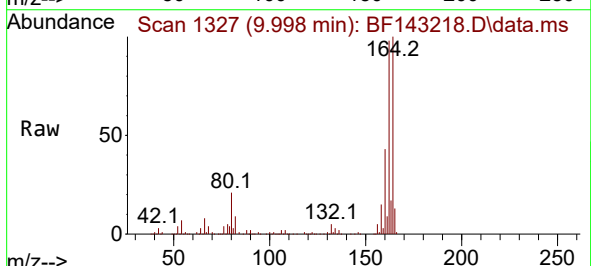
Ion Ratio Lower Upper

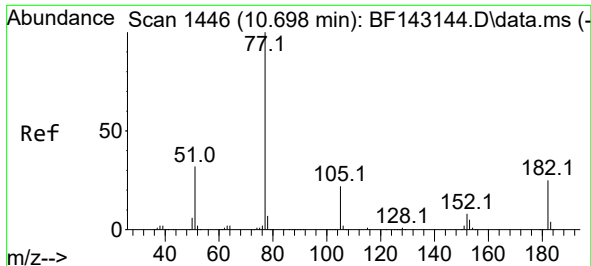
165 100

63 1.0 41.0 61.4#

89 1.3 61.1 91.7#

182 0.0 2.3 3.5#

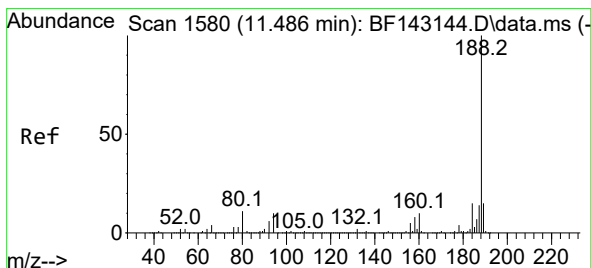
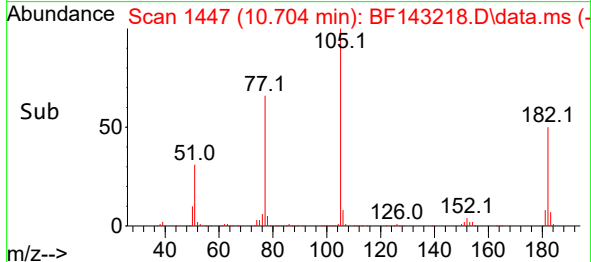
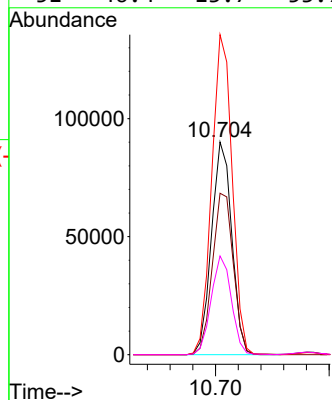
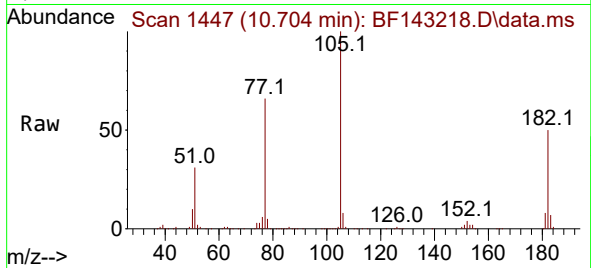




#63
Azobenzene
Concen: 6.470 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

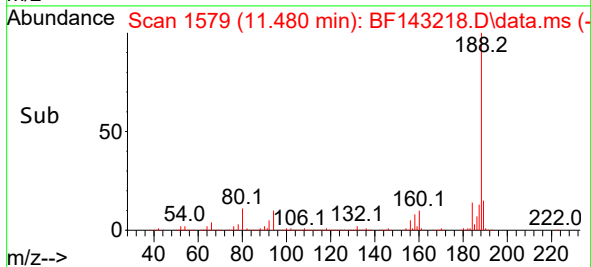
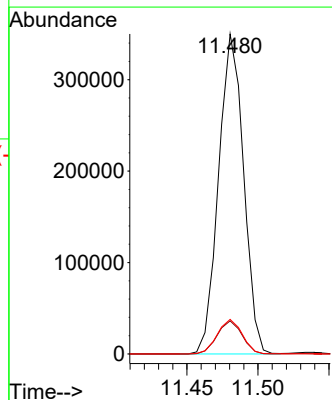
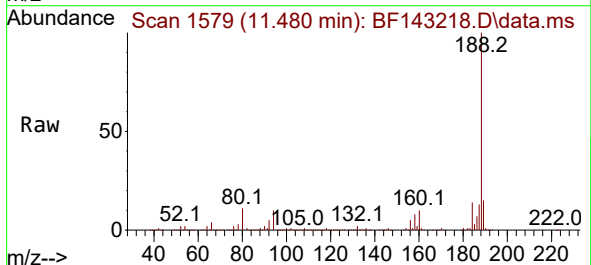
Instrument :
BNA_F
ClientSampleId :
WC-3

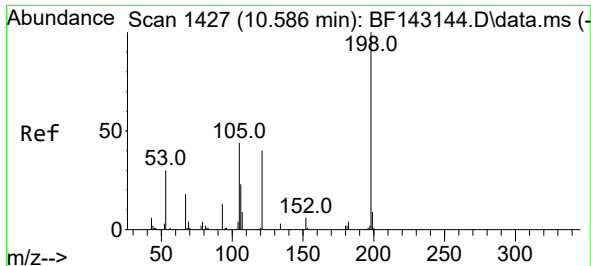
Tgt Ion: 77 Resp: 111923
Ion Ratio Lower Upper
77 100
182 75.9 4.6 44.6#
105 150.5 1.4 41.4#
51 46.4 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion: 188 Resp: 428065
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.8 9.0 13.6

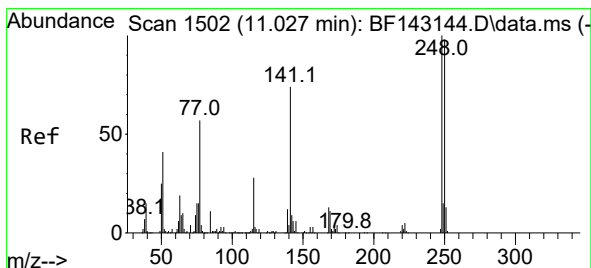
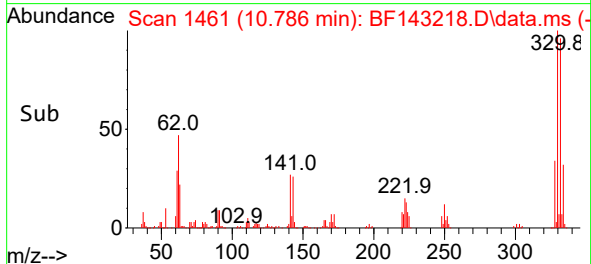
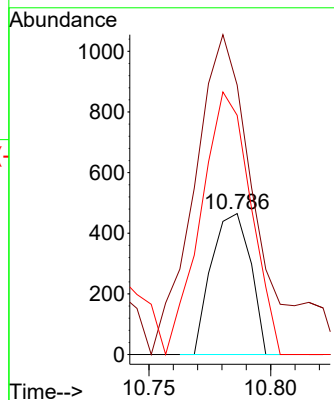
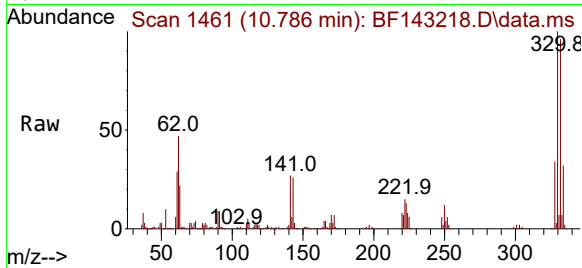




#65
4,6-Dinitro-2-methylphenol
Concen: 5.618 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

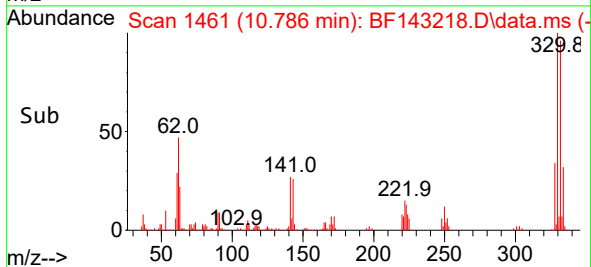
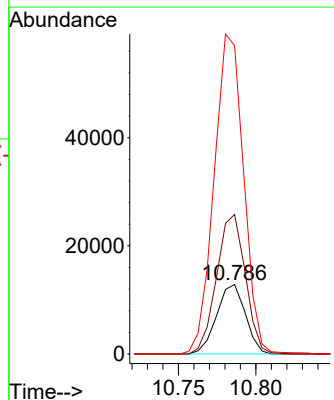
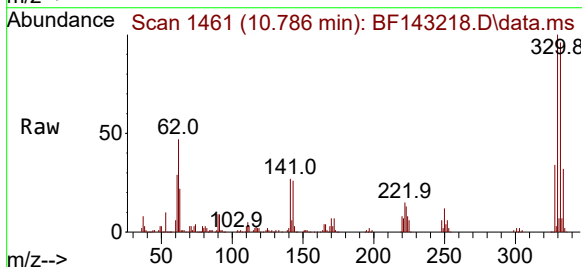
Instrument :
BNA_F
ClientSampleId :
WC-3

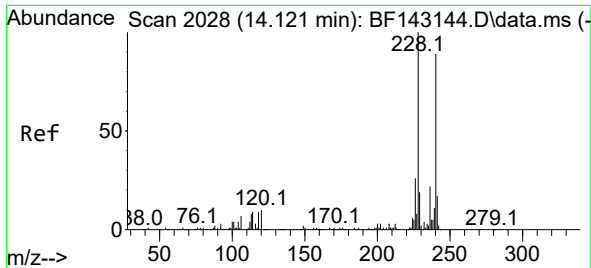
Tgt Ion:198 Resp: 519
Ion Ratio Lower Upper
198 100
51 191.2 37.2 77.2#
105 169.7 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 3.250 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

Tgt Ion:248 Resp: 16579
Ion Ratio Lower Upper
248 100
250 201.0 78.3 117.5#
141 444.4 59.2 88.8#

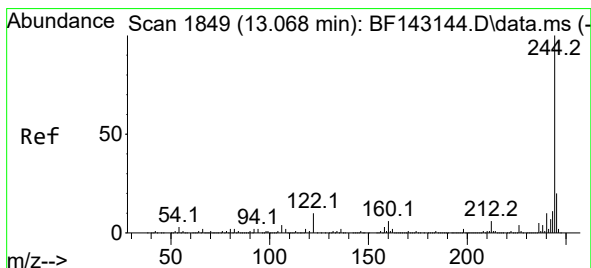
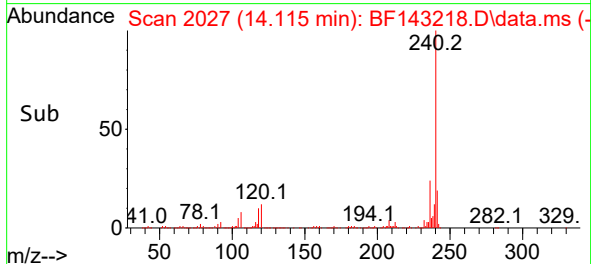
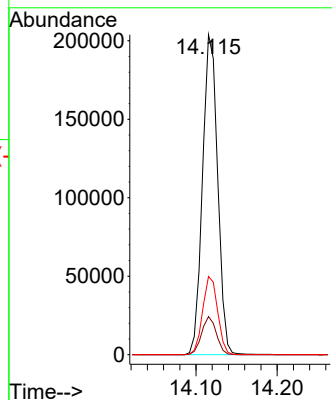
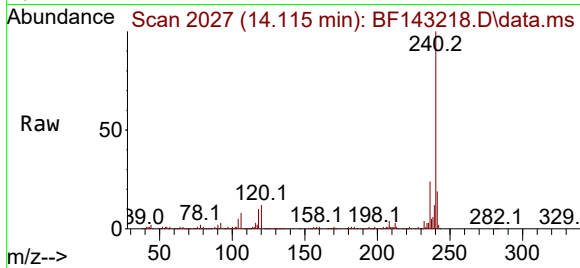




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

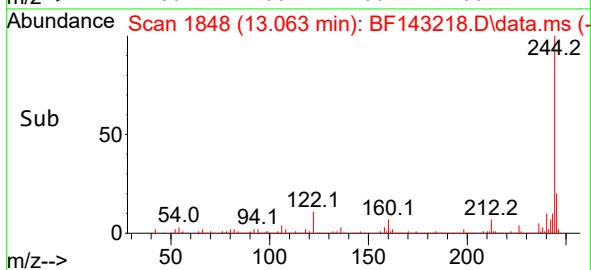
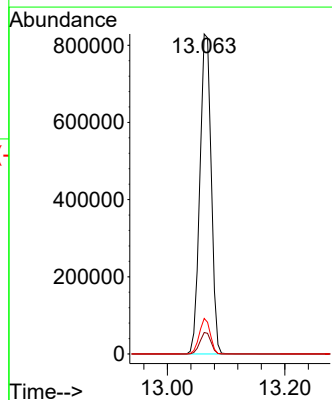
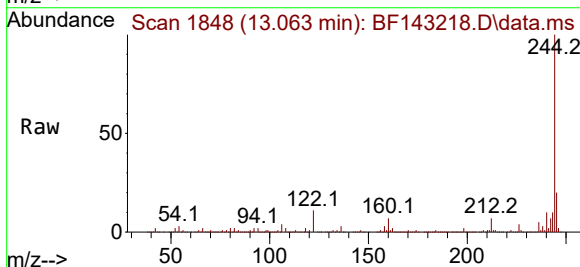
Instrument :
BNA_F
ClientSampleId :
WC-3

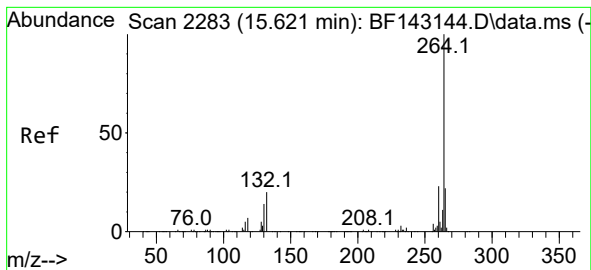
Tgt Ion:240 Resp: 263467
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 24.5 20.2 30.4



#79
Terphenyl-d14
Concen: 62.689 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143218.D
Acq: 23 Jul 2025 18:26

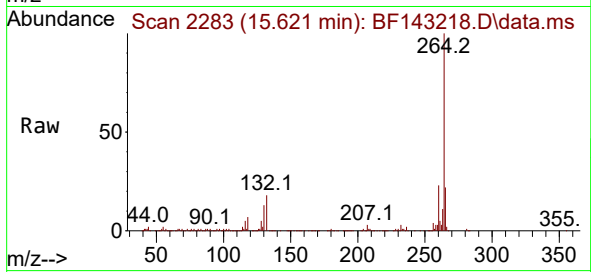
Tgt Ion:244 Resp: 1109894
Ion Ratio Lower Upper
244 100
212 6.7 5.2 7.8
122 11.1 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF143218.D
 Acq: 23 Jul 2025 18:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-3



Tgt Ion:264 Resp: 263533
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.5 27.7
 265 21.9 17.4 26.2

