

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143190.D
 Acq On : 22 Jul 2025 15:52
 Operator : RC/JU
 Sample : PB168954BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168954BL

Quant Time: Jul 22 16:39:17 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)

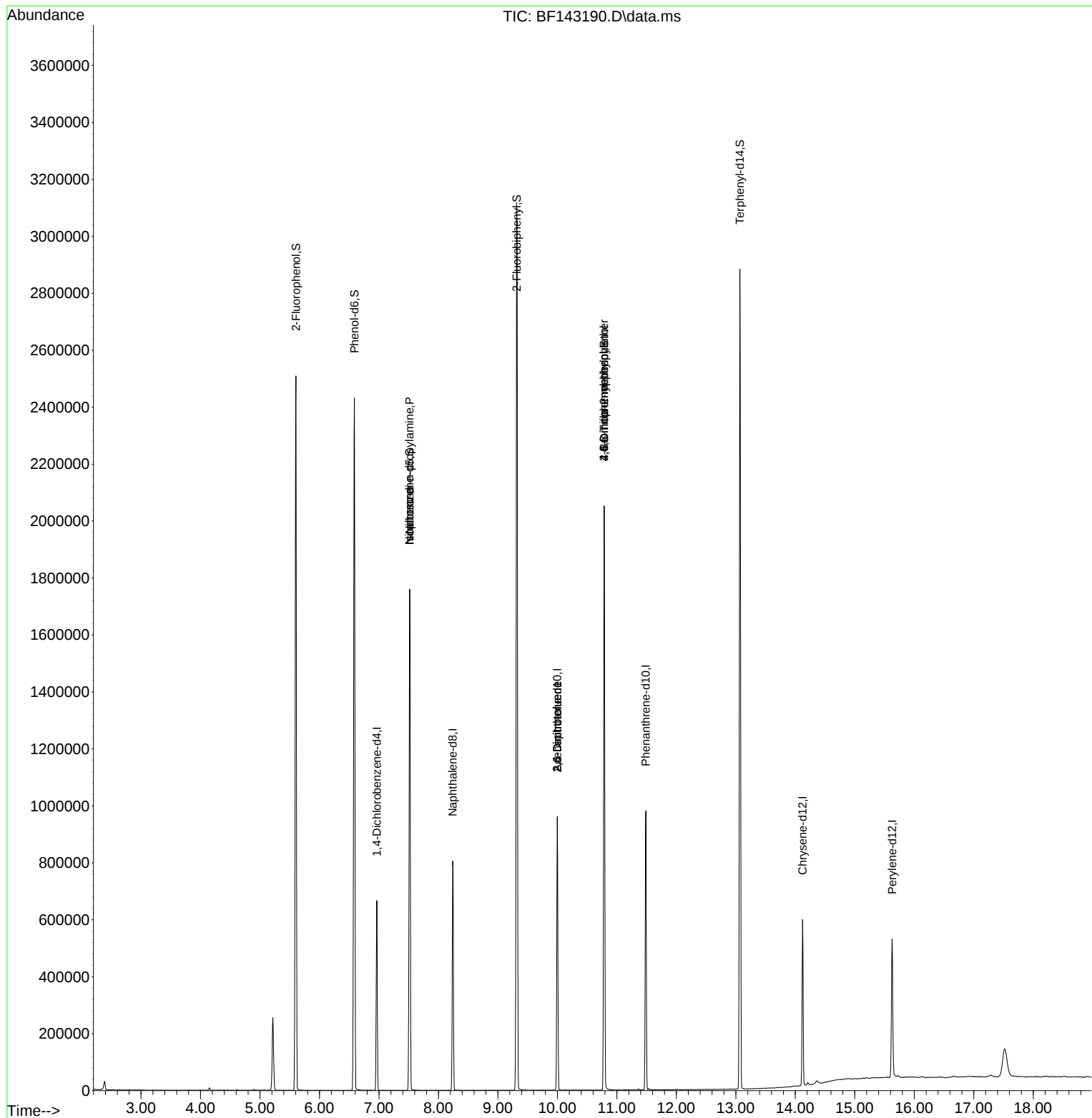
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	132474	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	517206	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	278568	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	486814	20.000	ng	0.00
76) Chrysene-d12	14.121	240	272386	20.000	ng	0.00
86) Perylene-d12	15.627	264	282193	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	954778	114.053	ng	0.02
7) Phenol-d6	6.587	99	1218388	115.630	ng	0.00
23) Nitrobenzene-d5	7.516	82	805087	77.592	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	368725	128.129	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1492676	73.283	ng	0.00
79) Terphenyl-d14	13.069	244	1417024	77.415	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	109767	16.237	ng	# 80
25) Isophorone	7.516	82	801686	43.768	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	36675	9.929	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	36675	7.914	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.786	198	670	5.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	22468	3.873	ng	# 1

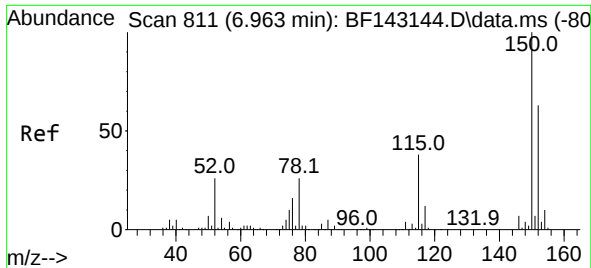
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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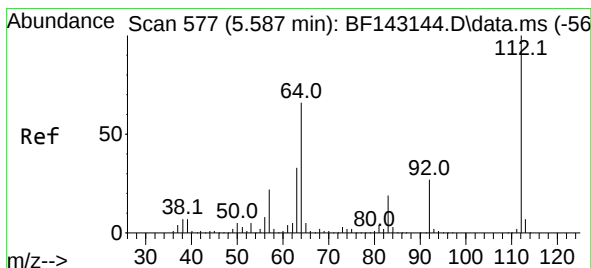
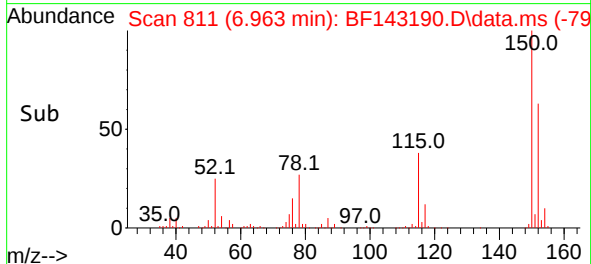
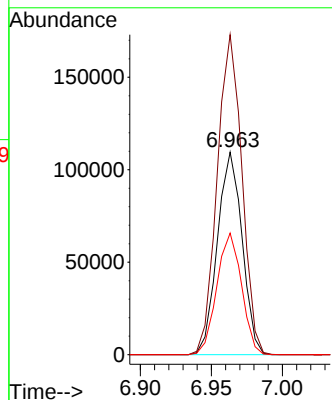
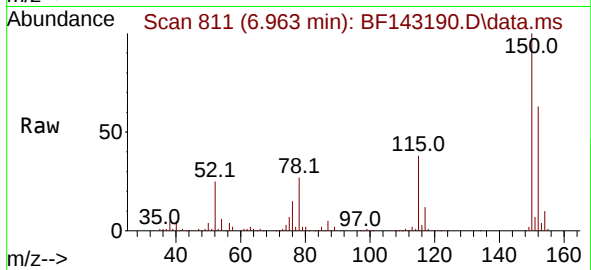




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

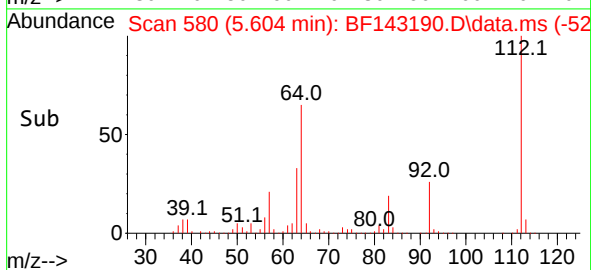
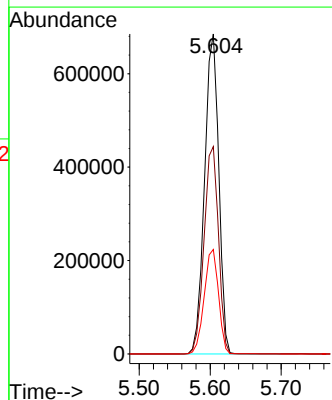
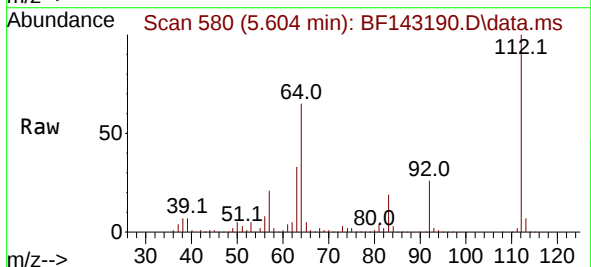
Instrument :
BNA_F
ClientSampleId :
PB168954BL

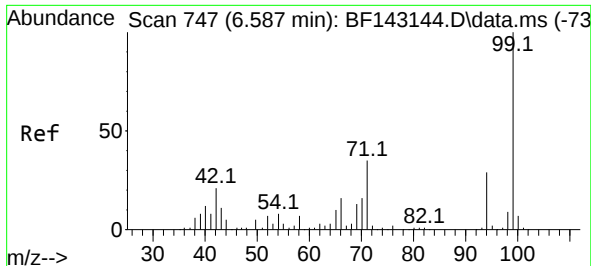
Tgt Ion:152 Resp: 132474
Ion Ratio Lower Upper
152 100
150 158.0 128.2 192.4
115 60.0 47.9 71.9



#5
2-Fluorophenol
Concen: 114.053 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:112 Resp: 954778
Ion Ratio Lower Upper
112 100
64 64.8 53.1 79.7
63 32.7 26.6 40.0

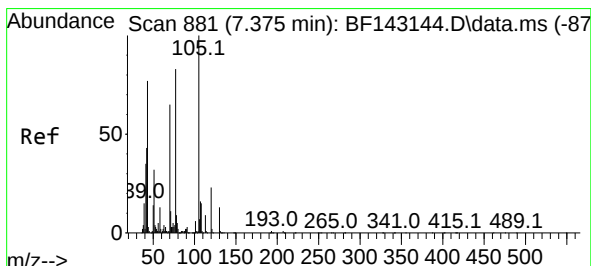
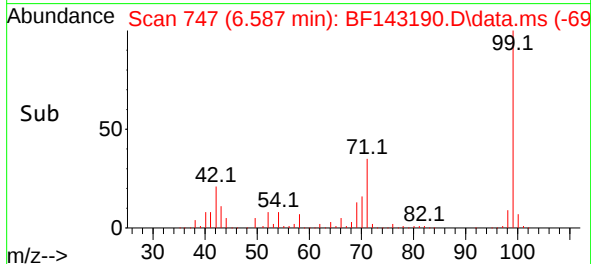
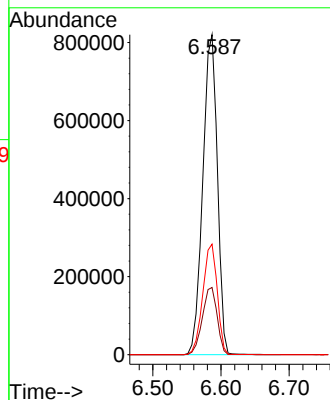
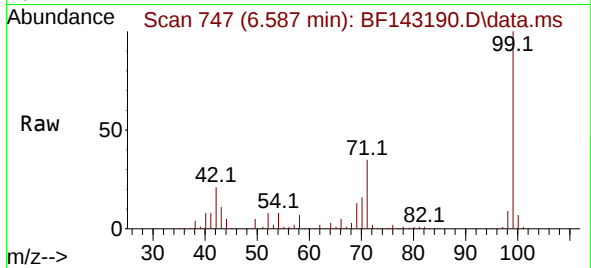




#7
Phenol-d6
Concen: 115.630 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

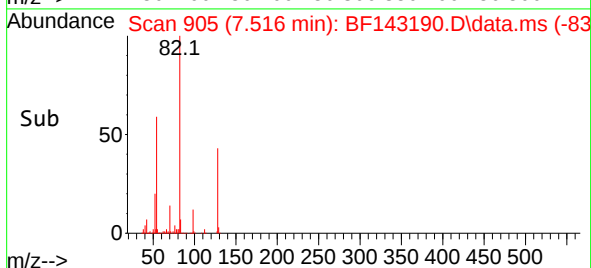
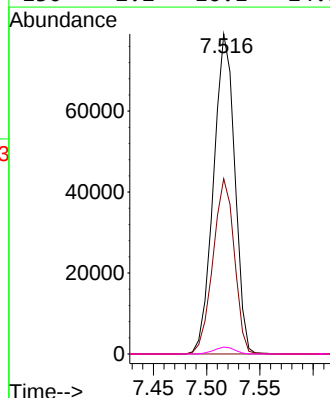
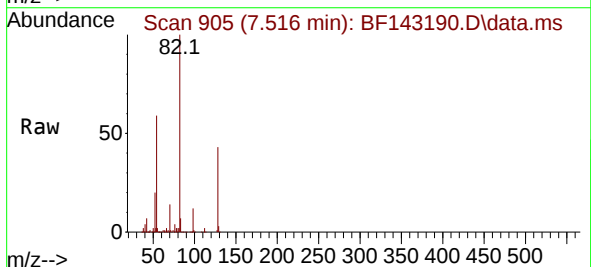
Instrument :
BNA_F
ClientSampleId :
PB168954BL

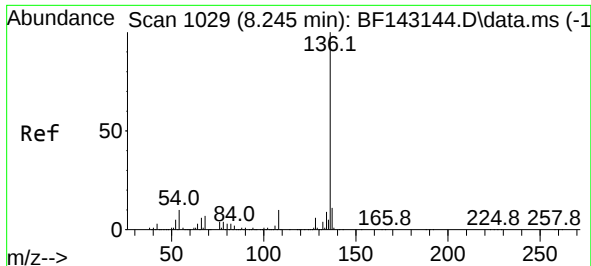
Tgt Ion: 99 Resp: 1218388
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 34.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.237 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion: 70 Resp: 109767
Ion Ratio Lower Upper
70 100
42 54.8 52.5 78.7
101 0.0 7.6 11.4#
130 2.2 16.1 24.1#

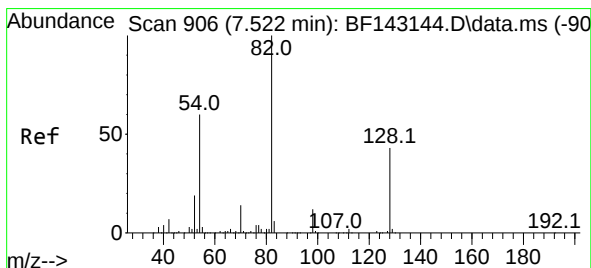
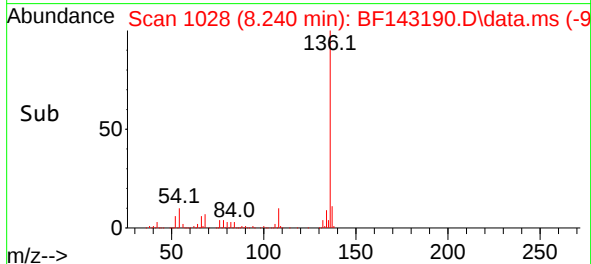
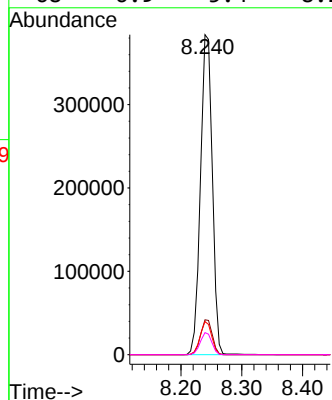
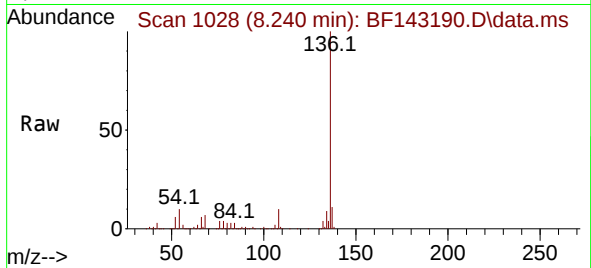




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

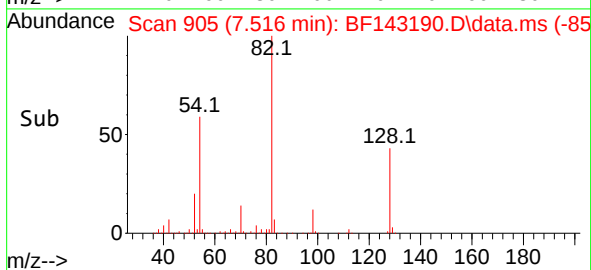
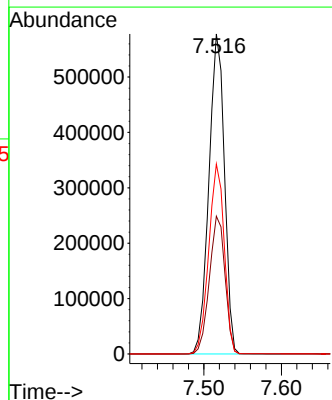
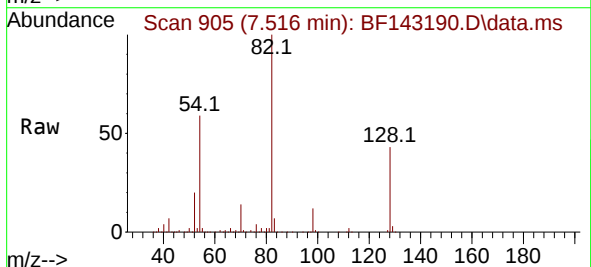
Instrument :
BNA_F
ClientSampleId :
PB168954BL

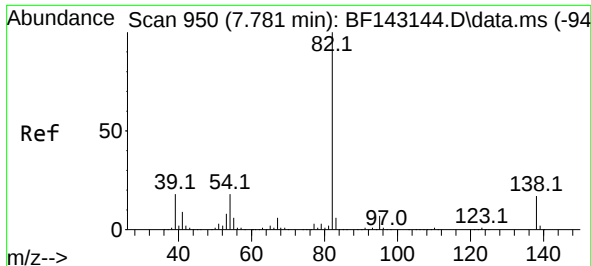
Tgt Ion:	136	Resp:	517206
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.3	8.2	12.2
68	6.9	5.4	8.2



#23
Nitrobenzene-d5
Concen: 77.592 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

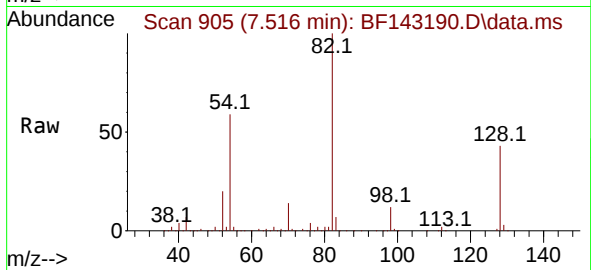
Tgt Ion:	82	Resp:	805087
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	59.4	47.1	70.7



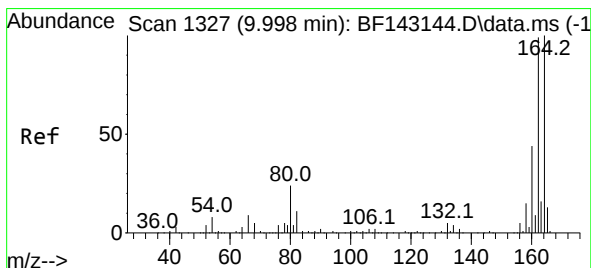
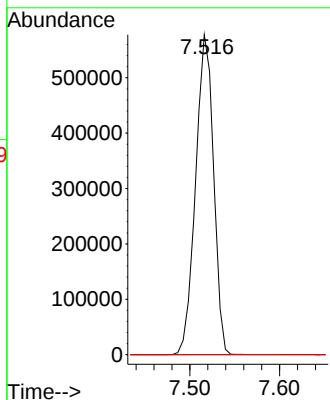
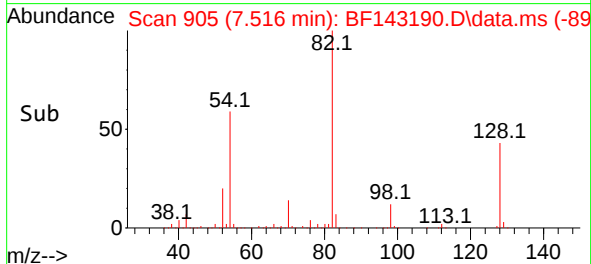


#25
Isophorone
Concen: 43.768 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

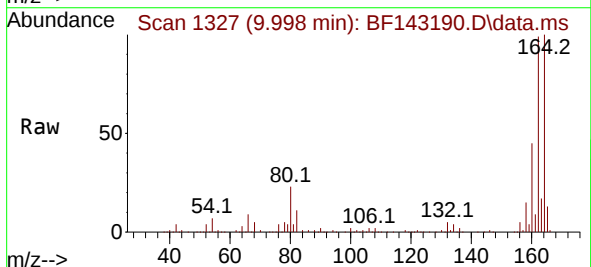
Instrument :
BNA_F
ClientSampleId :
PB168954BL



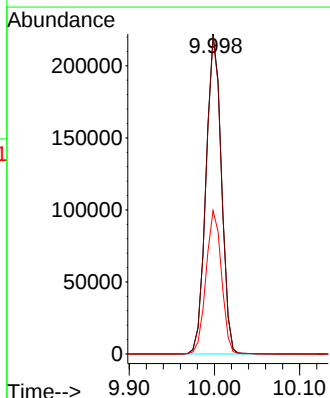
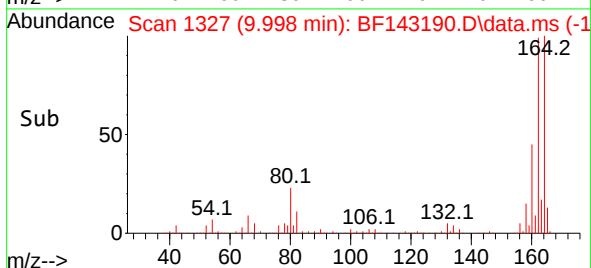
Tgt Ion: 82 Resp: 801686
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#

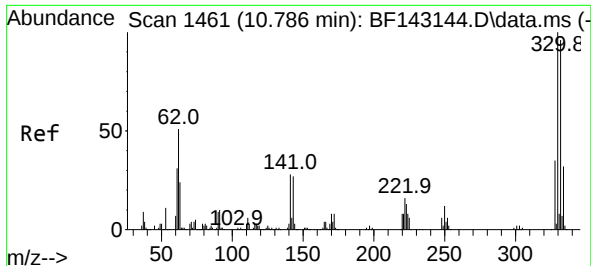


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52



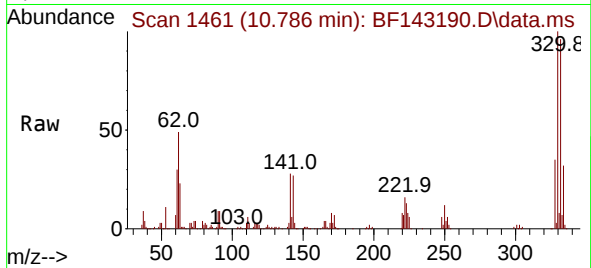
Tgt Ion:164 Resp: 278568
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.6
160 44.8 35.1 52.7



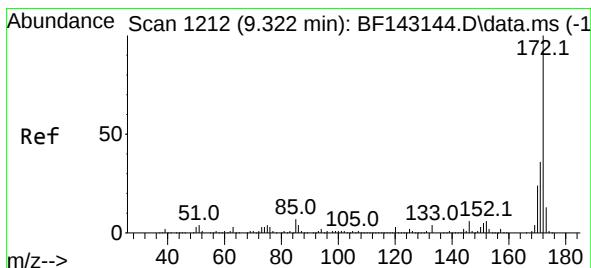
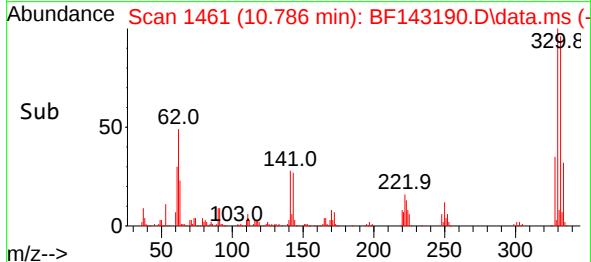
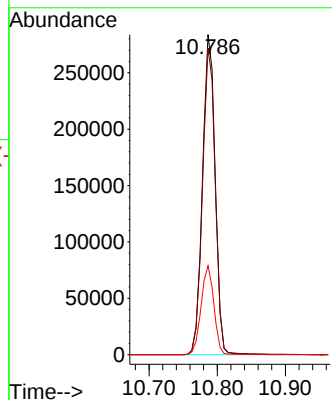


#42
 2,4,6-Tribromophenol
 Concen: 128.129 ng
 RT: 10.786 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: BF143190.D
 Acq: 22 Jul 2025 15:52

Instrument :
 BNA_F
 ClientSampleId :
 PB168954BL

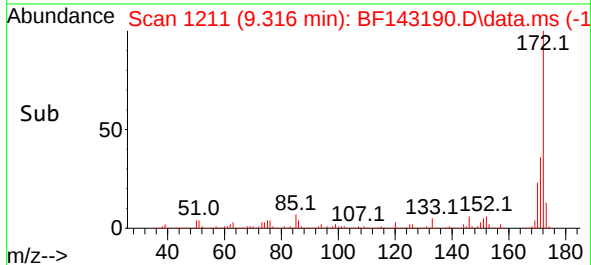
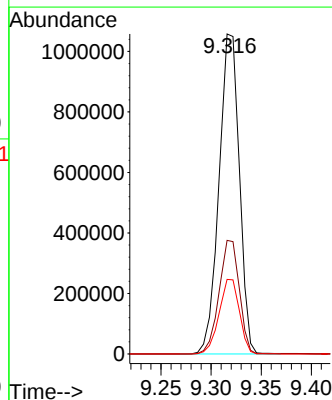
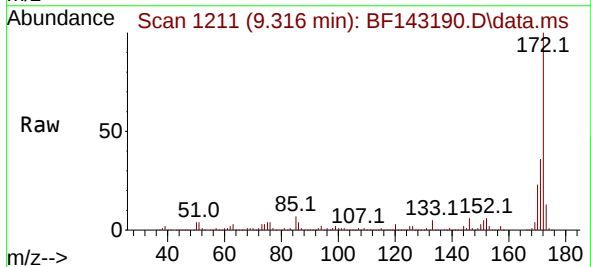


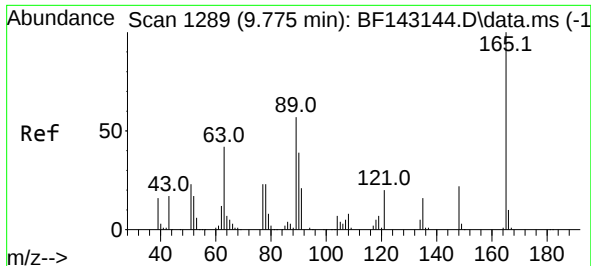
Tgt Ion:330 Resp: 368725
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.7 115.1
 141 27.9 23.3 34.9



#45
 2-Fluorobiphenyl
 Concen: 73.283 ng
 RT: 9.316 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF143190.D
 Acq: 22 Jul 2025 15:52

Tgt Ion:172 Resp: 1492676
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.6 42.8
 170 23.3 18.8 28.2

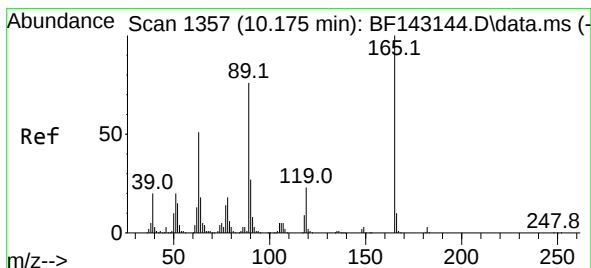
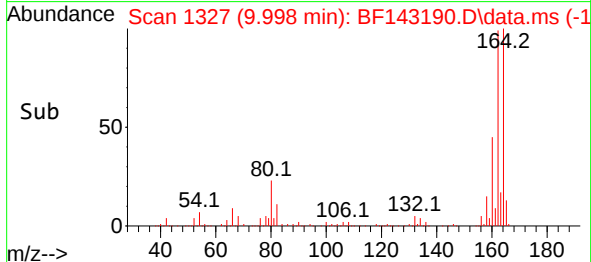
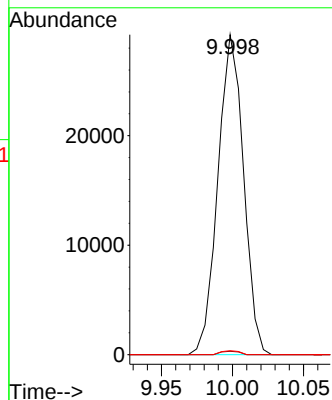
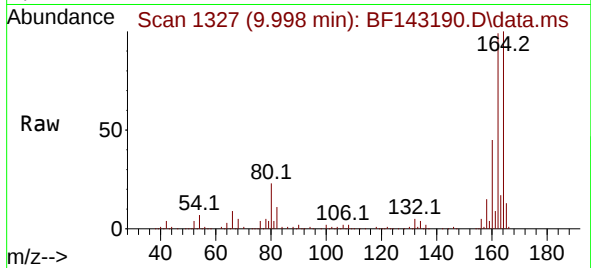




#51
2,6-Dinitrotoluene
Concen: 9.929 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

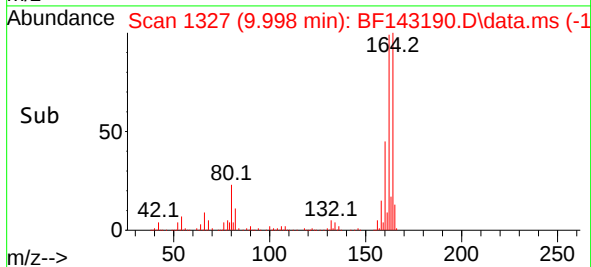
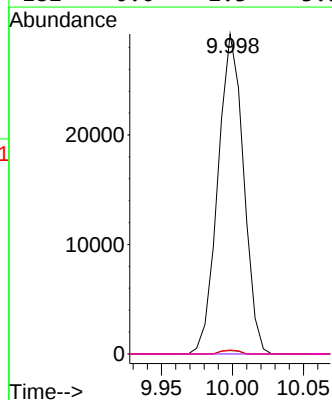
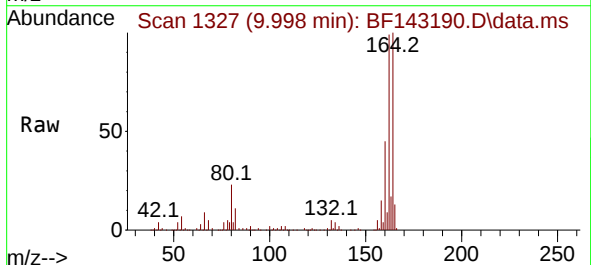
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ClientSampleId :
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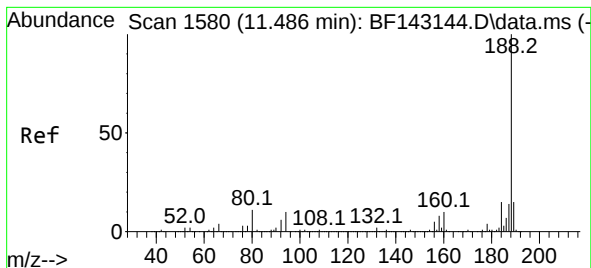
Tgt Ion:165 Resp: 36675
Ion Ratio Lower Upper
165 100
63 1.1 49.4 74.2#
89 1.2 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.914 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:165 Resp: 36675
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143190.D

Acq: 22 Jul 2025 15:52

Instrument :

BNA_F

ClientSampleId :

PB168954BL

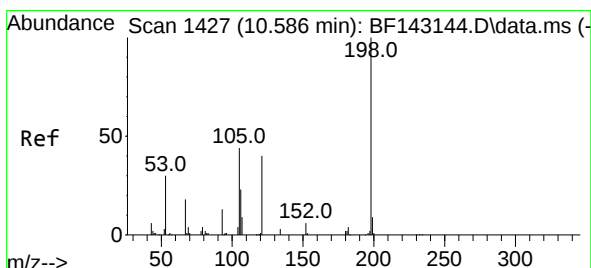
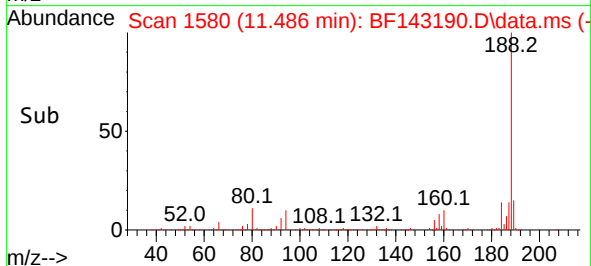
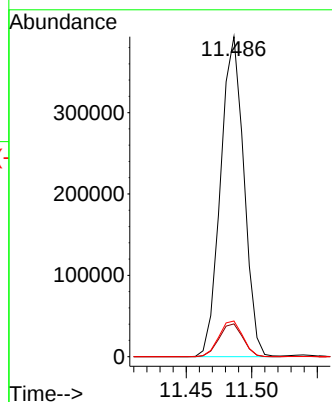
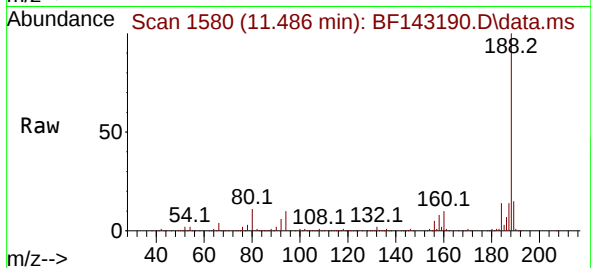
Tgt Ion:188 Resp: 486814

Ion Ratio Lower Upper

188 100

94 10.3 8.3 12.5

80 11.2 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.645 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143190.D

Acq: 22 Jul 2025 15:52

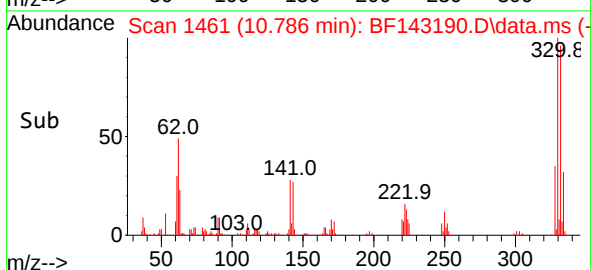
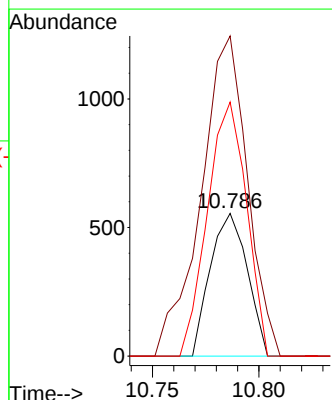
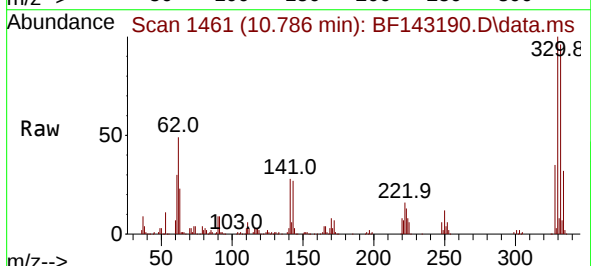
Tgt Ion:198 Resp: 670

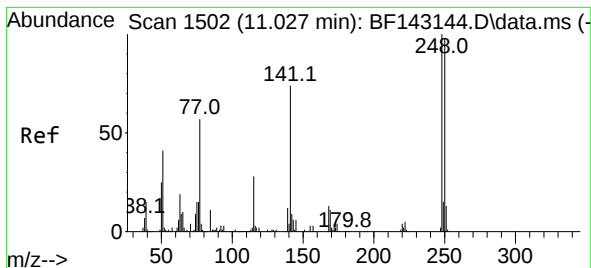
Ion Ratio Lower Upper

198 100

51 224.3 37.2 77.2#

105 178.0 24.8 64.8#

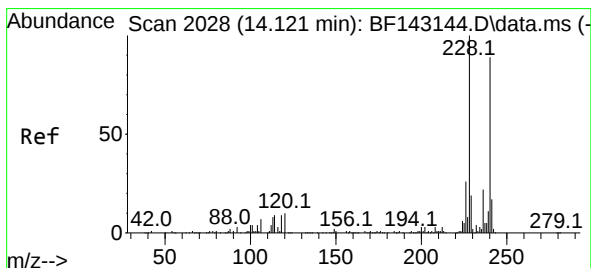
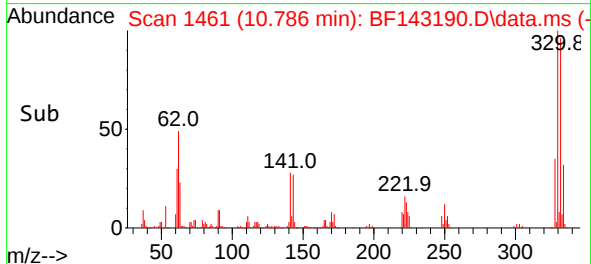
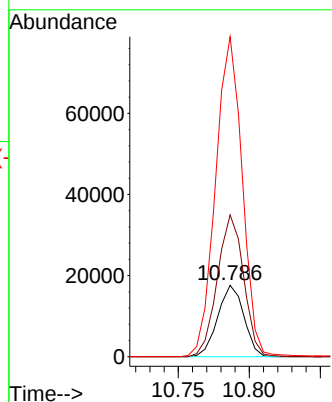
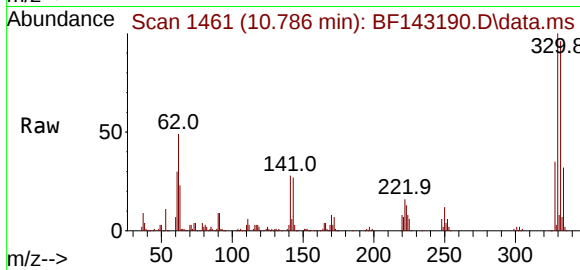




#67
4-Bromophenyl-phenylether
Concen: 3.873 ng
RT: 10.786 min Scan# 141
Delta R.T. -0.241 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

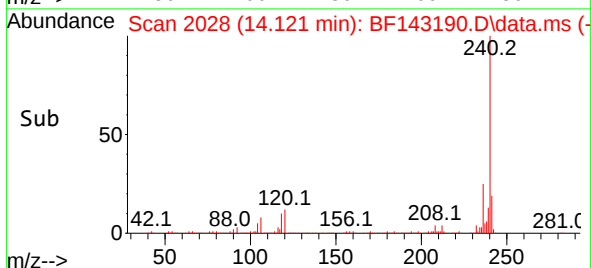
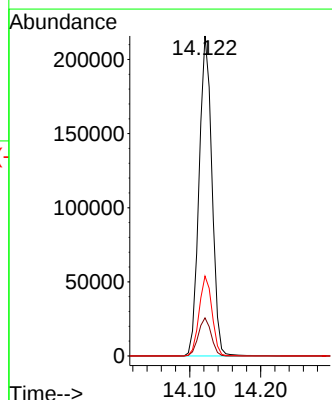
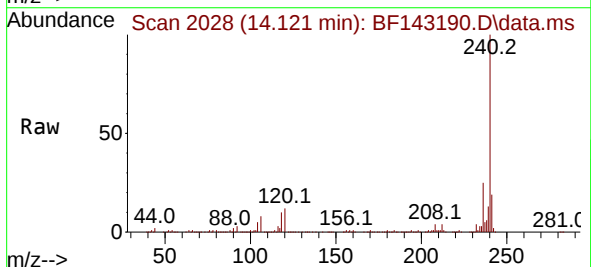
Instrument :
BNA_F
ClientSampleId :
PB168954BL

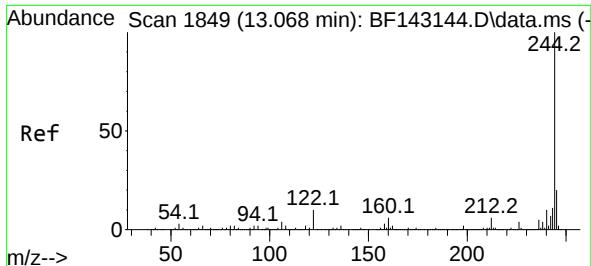
Tgt Ion:248 Resp: 22468
Ion Ratio Lower Upper
248 100
250 198.5 78.3 117.5#
141 448.3 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143190.D
Acq: 22 Jul 2025 15:52

Tgt Ion:240 Resp: 272386
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.0 20.2 30.4

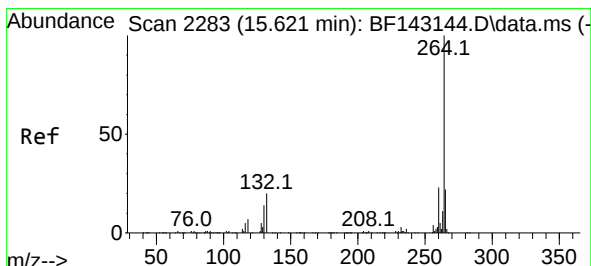
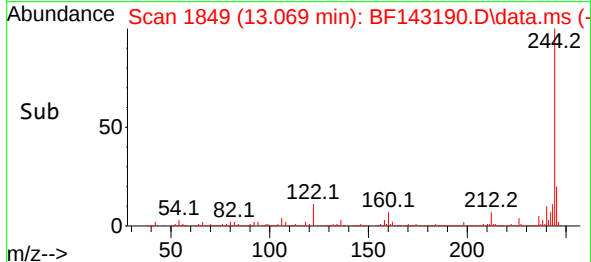
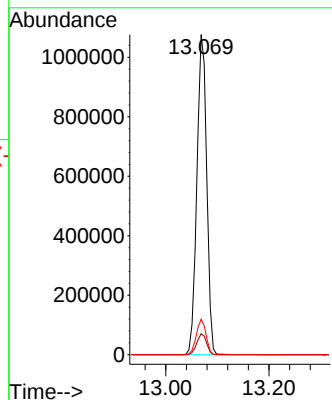
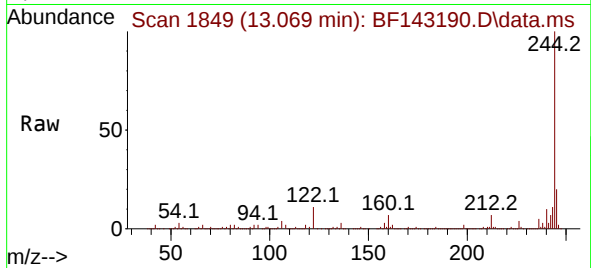




#79
 Terphenyl-d14
 Concen: 77.415 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143190.D
 Acq: 22 Jul 2025 15:52

Instrument :
 BNA_F
 ClientSampleId :
 PB168954BL

Tgt Ion:244 Resp: 1417024
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 11.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143190.D
 Acq: 22 Jul 2025 15:52

Tgt Ion:264 Resp: 282193
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.5 27.7
 265 21.3 17.4 26.2

