

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143279.D
 Acq On : 01 Aug 2025 13:31
 Operator : RC/JU
 Sample : PB169060TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169060TB

Quant Time: Aug 01 14:00:00 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)

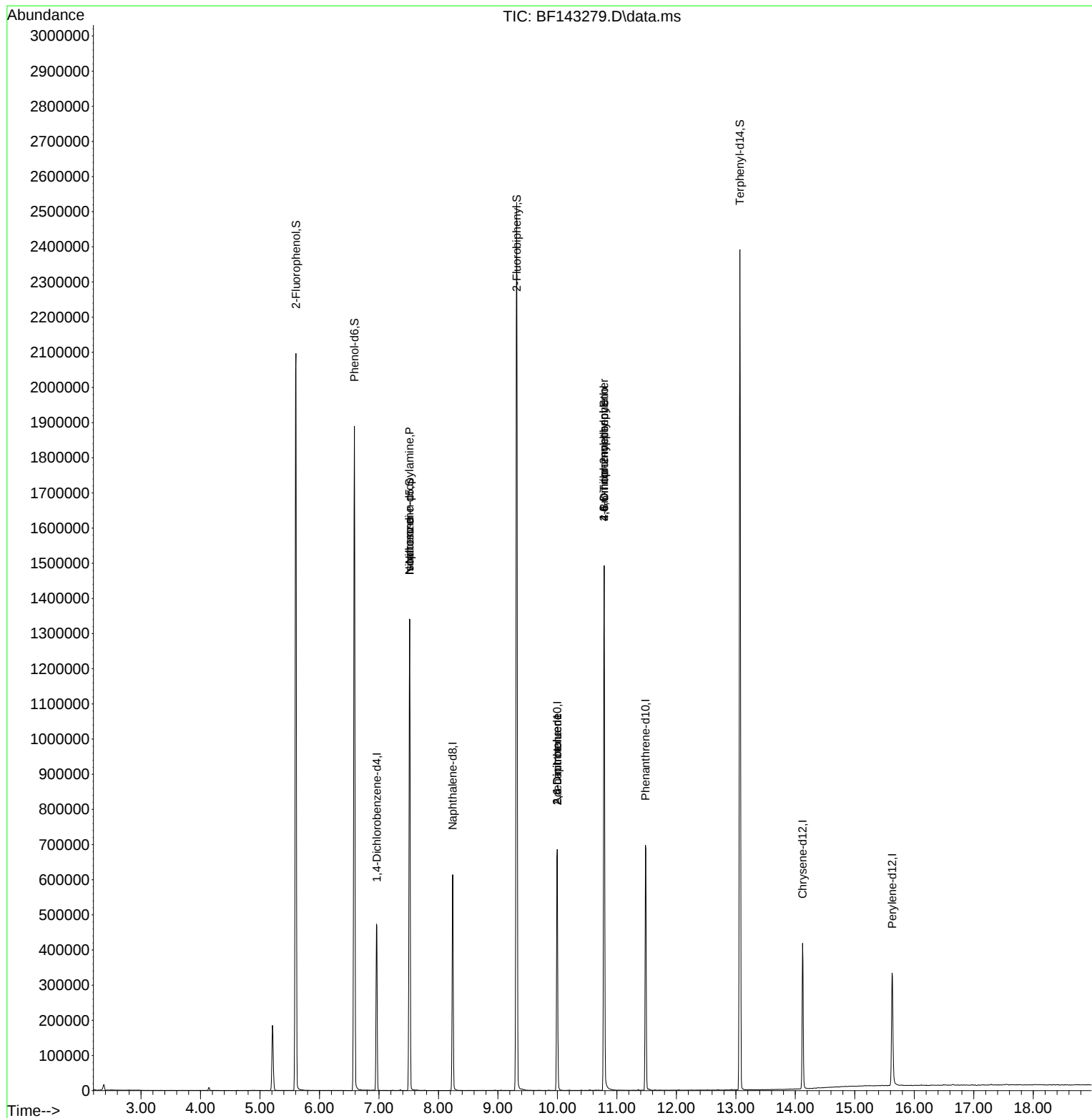
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	100481	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	391541	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	213366	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	367940	20.000	ng	0.00
76) Chrysene-d12	14.121	240	208592	20.000	ng	0.00
86) Perylene-d12	15.627	264	214248	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	813294	128.085	ng	0.02
7) Phenol-d6	6.587	99	917265	114.770	ng	0.00
23) Nitrobenzene-d5	7.516	82	619218	78.833	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	276691	125.529	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1185301	75.975	ng	0.00
79) Terphenyl-d14	13.069	244	1173746	83.736	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.516	70	83553	16.295	ng	# 79
25) Isophorone	7.516	82	615010	44.353	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	27172	9.604	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	27172	7.655	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.786	198	481	5.634	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	17108	3.902	ng	# 1

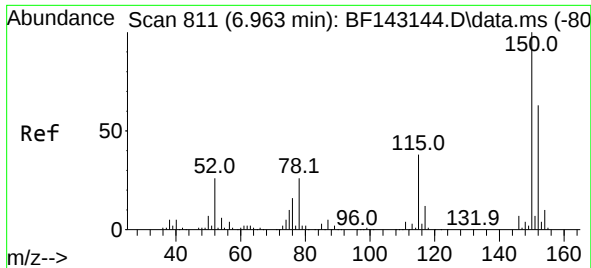
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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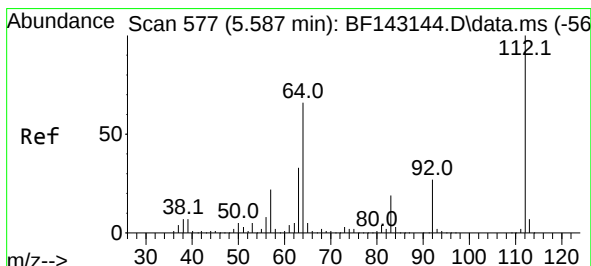
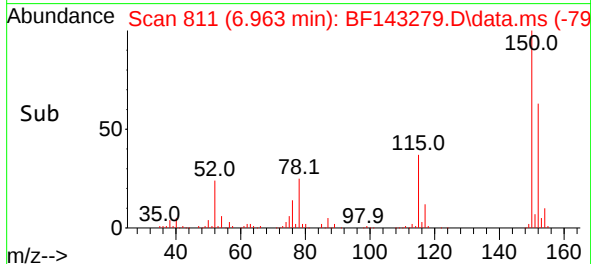
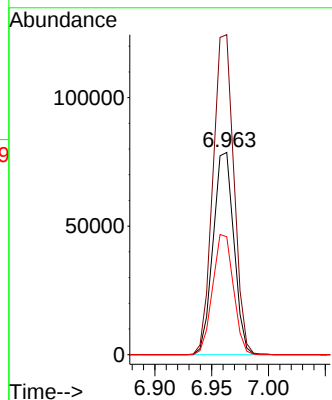
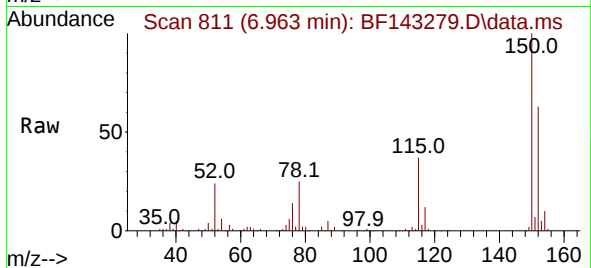




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

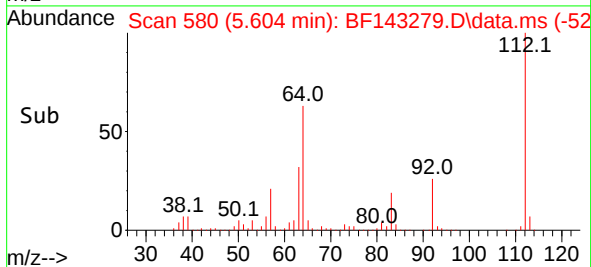
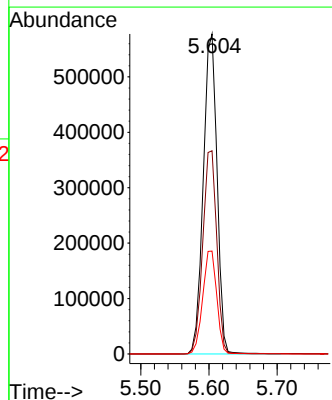
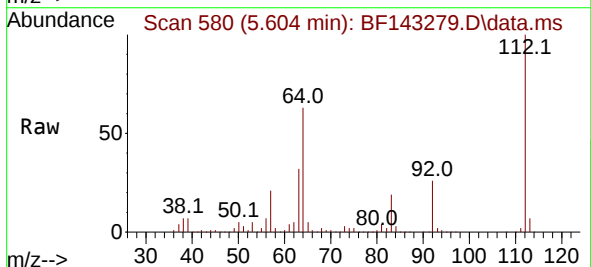
Instrument :
BNA_F
ClientSampleId :
PB169060TB

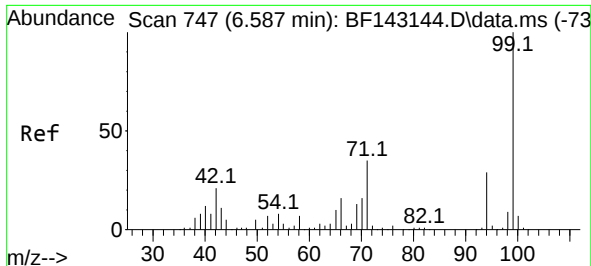
Tgt Ion:152 Resp: 100481
Ion Ratio Lower Upper
152 100
150 158.2 128.2 192.4
115 58.3 47.9 71.9



#5
2-Fluorophenol
Concen: 128.085 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

Tgt Ion:112 Resp: 813294
Ion Ratio Lower Upper
112 100
64 63.5 53.1 79.7
63 32.2 26.6 40.0

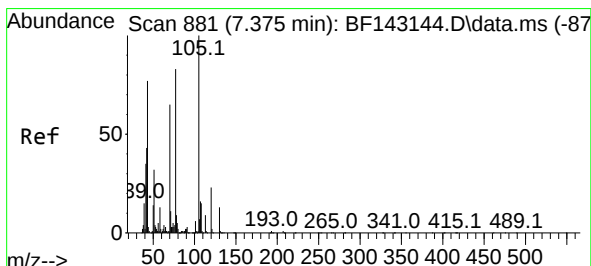
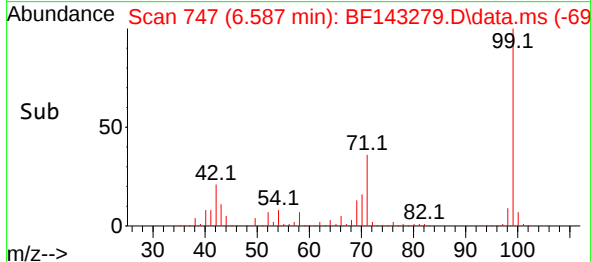
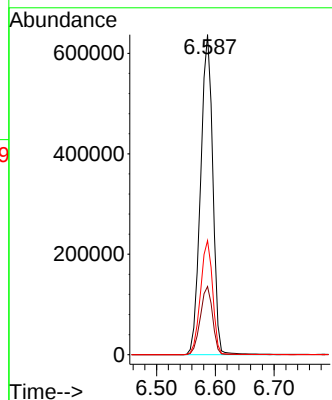
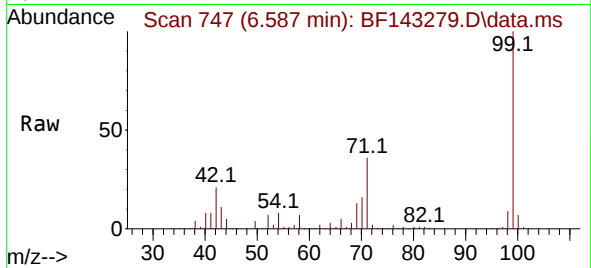




#7
Phenol-d6
Concen: 114.770 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

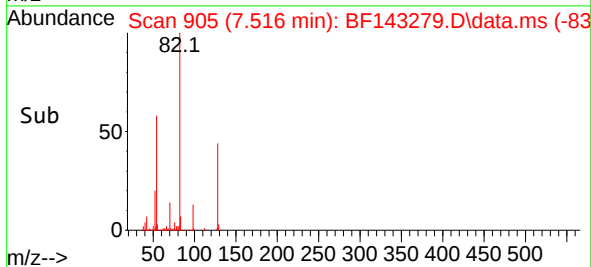
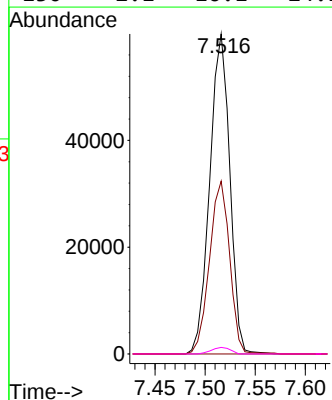
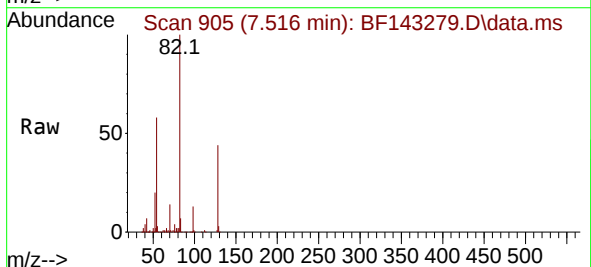
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ClientSampleId :
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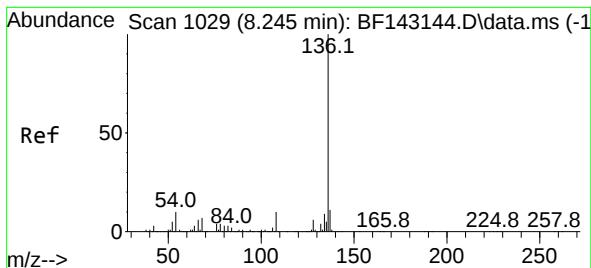
Tgt Ion: 99 Resp: 917265
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 35.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.295 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

Tgt Ion: 70 Resp: 83553
Ion Ratio Lower Upper
70 100
42 54.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.240 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF143279.D

Acq: 01 Aug 2025 13:31

Instrument :

BNA_F

ClientSampleId :

PB169060TB

Tgt Ion:136 Resp: 391541

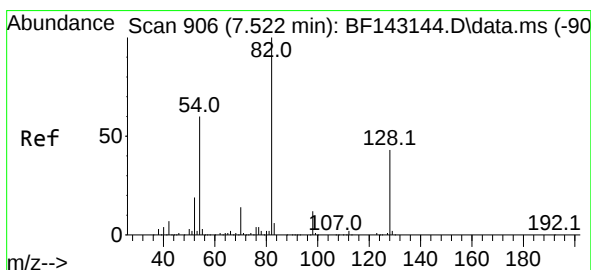
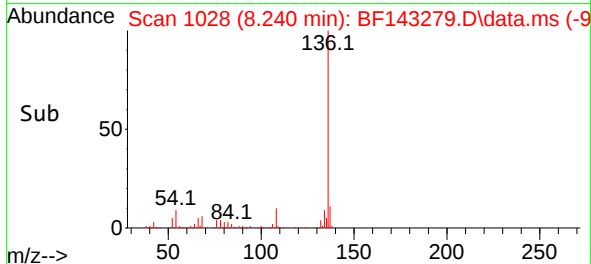
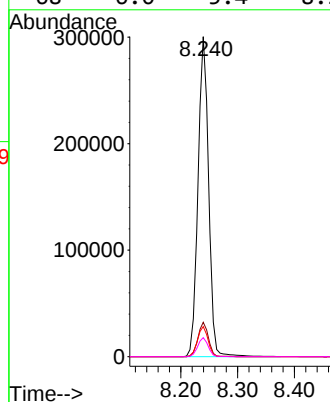
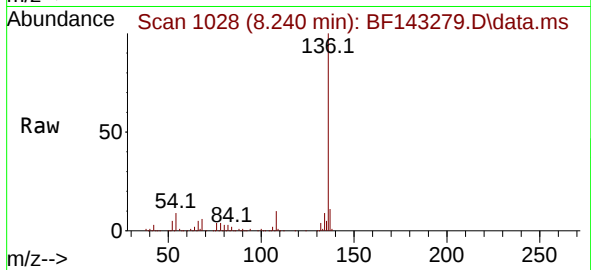
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.4 8.2 12.2

68 6.0 5.4 8.2



#23

Nitrobenzene-d5

Concen: 78.833 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143279.D

Acq: 01 Aug 2025 13:31

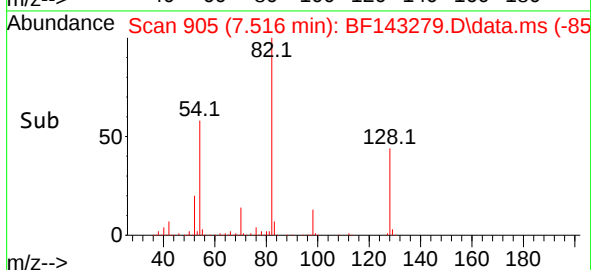
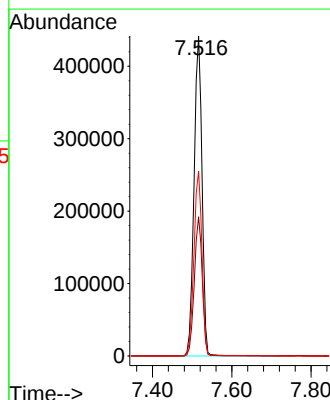
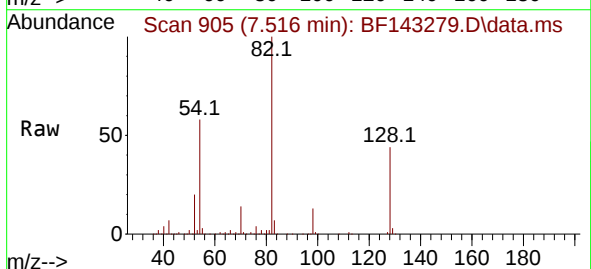
Tgt Ion: 82 Resp: 619218

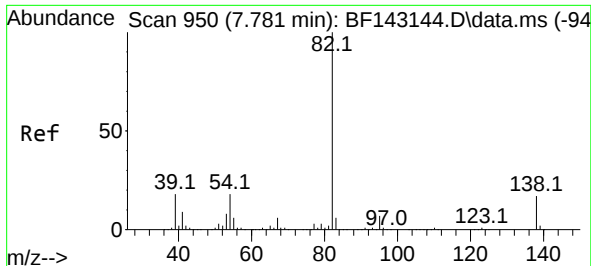
Ion Ratio Lower Upper

82 100

128 43.5 33.6 50.4

54 57.8 47.1 70.7

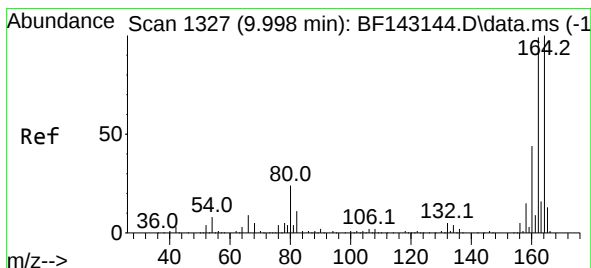
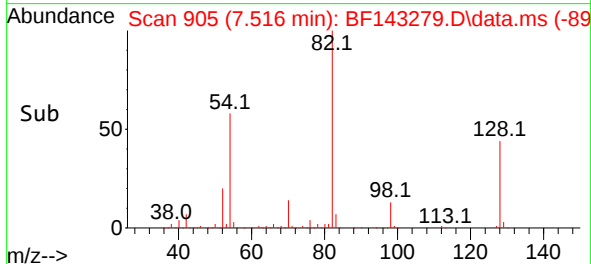
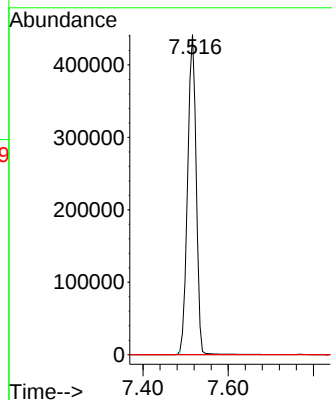
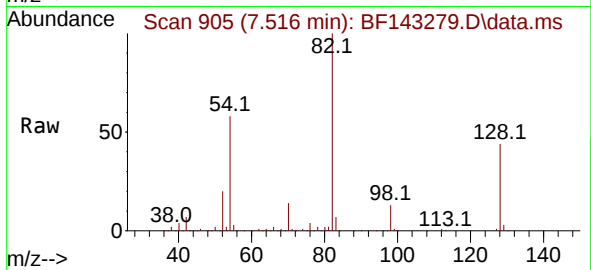




#25
Isophorone
Concen: 44.353 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

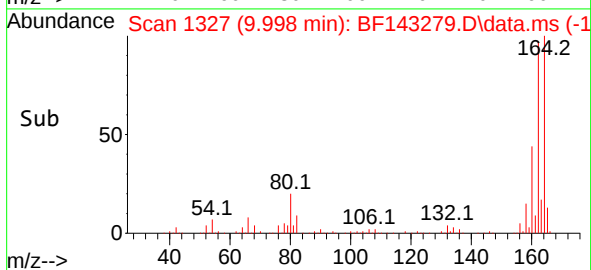
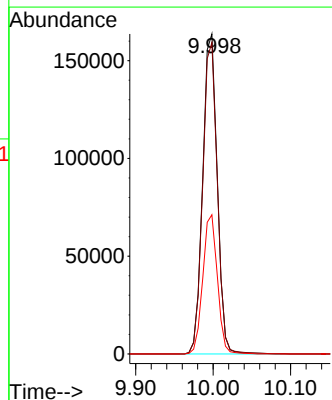
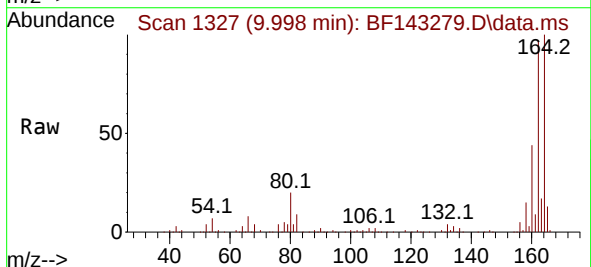
Instrument :
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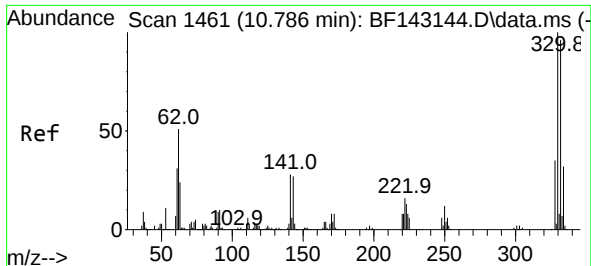
Tgt Ion: 82 Resp: 615010
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

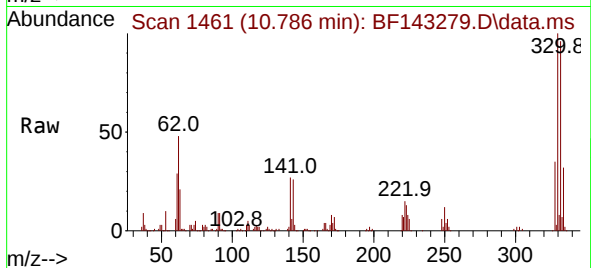
Tgt Ion:164 Resp: 213366
Ion Ratio Lower Upper
164 100
162 97.3 79.0 118.6
160 43.5 35.1 52.7



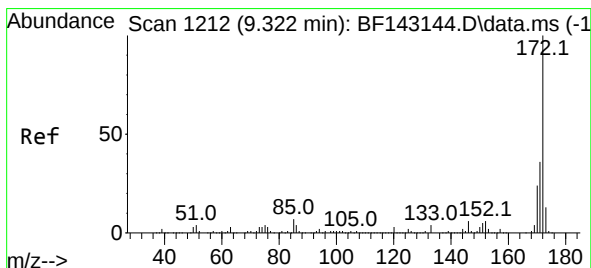
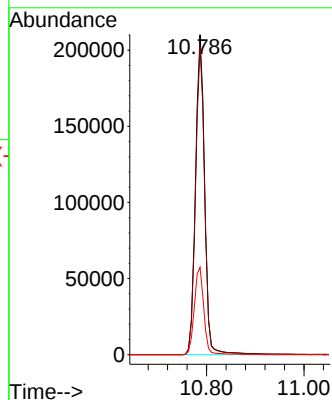
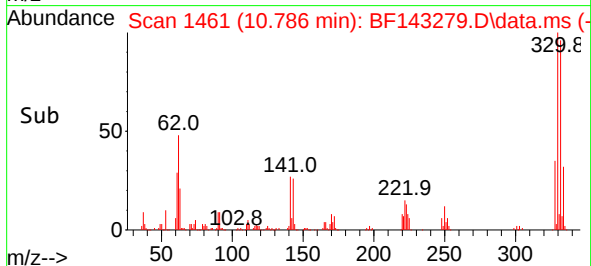


#42
 2,4,6-Tribromophenol
 Concen: 125.529 ng
 RT: 10.786 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: BF143279.D
 Acq: 01 Aug 2025 13:31

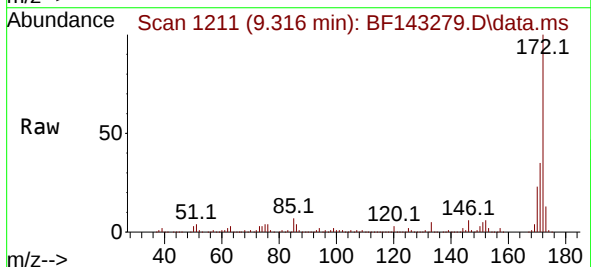
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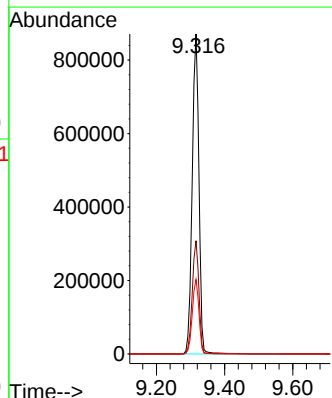
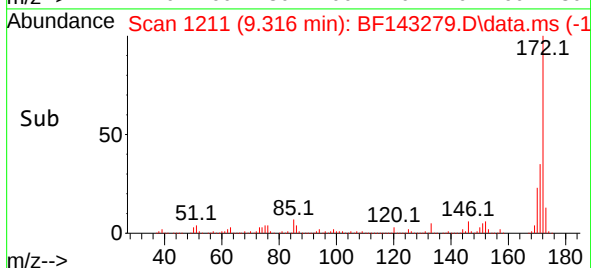
Tgt Ion:330 Resp: 276691
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.7 115.1
 141 28.3 23.3 34.9

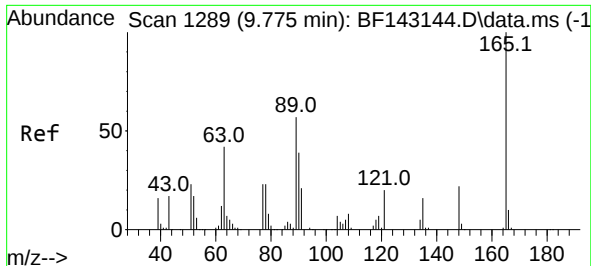


#45
 2-Fluorobiphenyl
 Concen: 75.975 ng
 RT: 9.316 min Scan# 1211
 Delta R.T. -0.006 min
 Lab File: BF143279.D
 Acq: 01 Aug 2025 13:31



Tgt Ion:172 Resp: 1185301
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.3 18.8 28.2

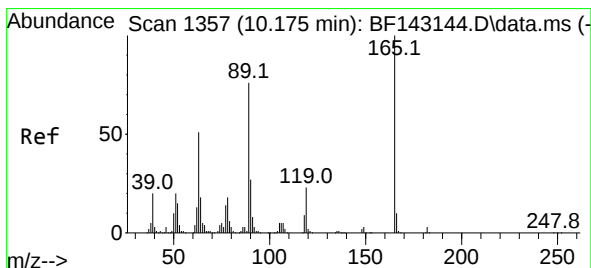
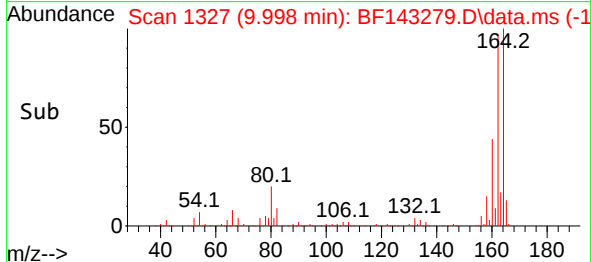
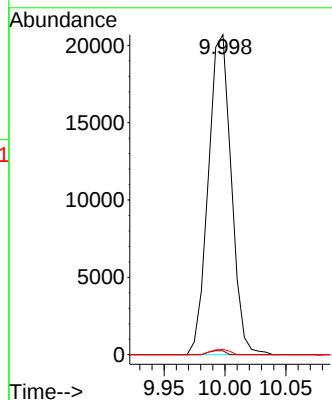
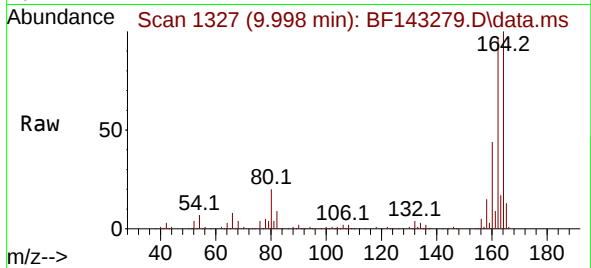




#51
2,6-Dinitrotoluene
Concen: 9.604 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

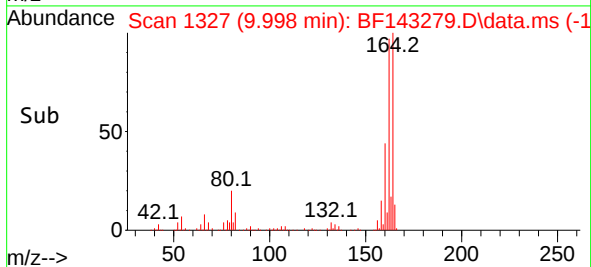
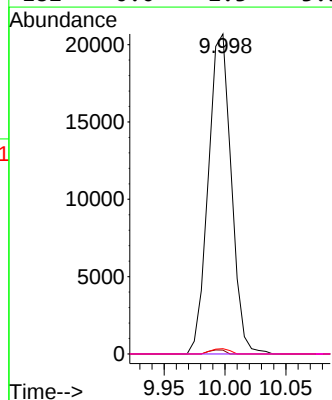
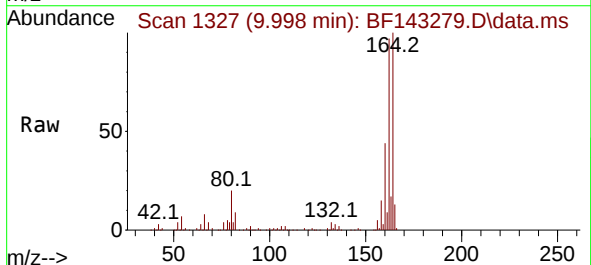
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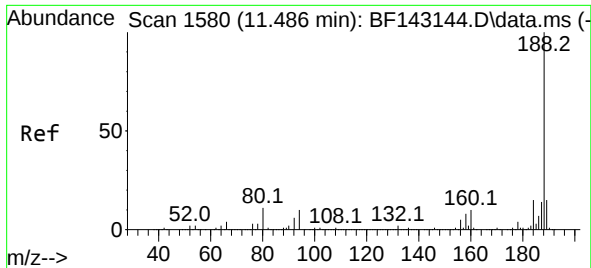
Tgt Ion:165 Resp: 27172
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.2#
89 1.6 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.655 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

Tgt Ion:165 Resp: 27172
Ion Ratio Lower Upper
165 100
63 1.2 41.0 61.4#
89 1.6 61.1 91.7#
182 0.0 2.3 3.5#

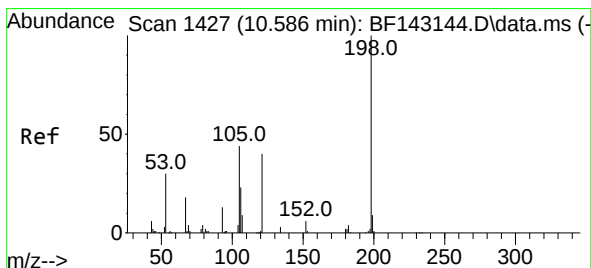
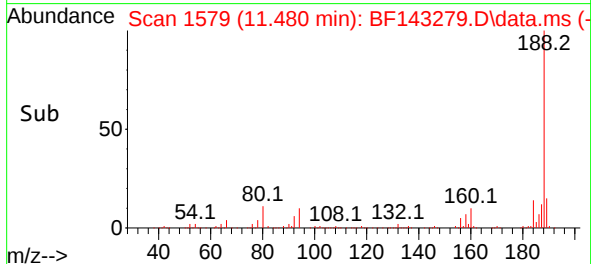
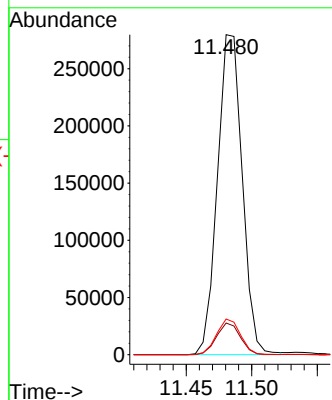
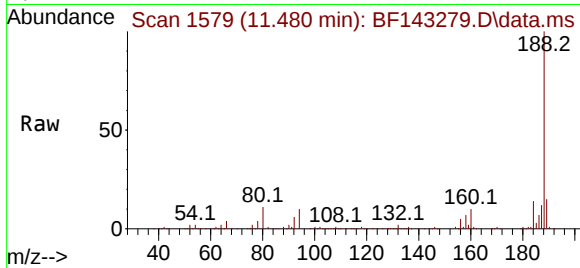




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

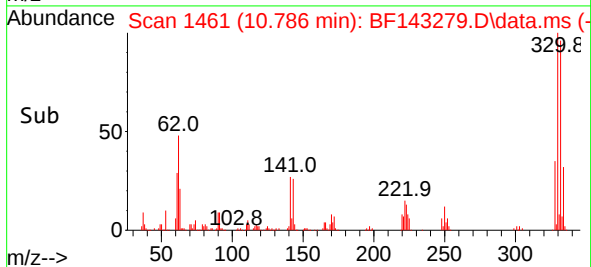
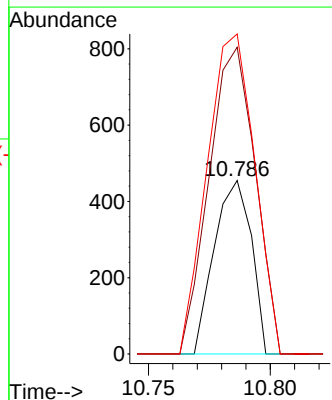
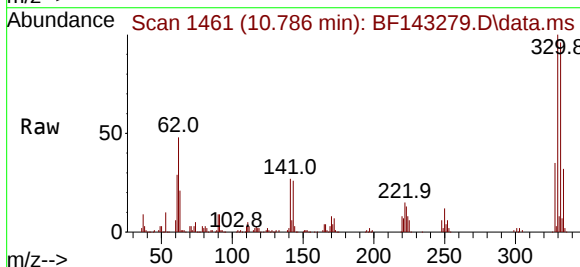
Instrument :
BNA_F
ClientSampleId :
PB169060TB

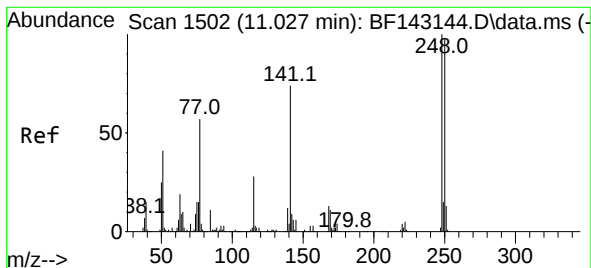
Tgt Ion:188 Resp: 367940
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 11.2 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.634 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

Tgt Ion:198 Resp: 481
Ion Ratio Lower Upper
198 100
51 176.7 37.2 77.2#
105 184.4 24.8 64.8#

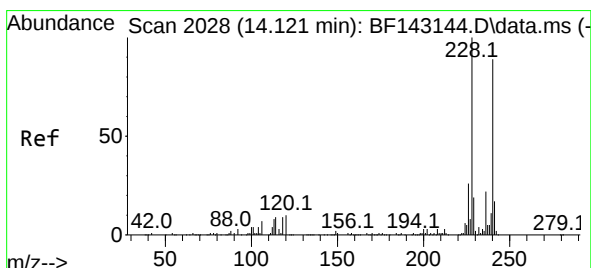
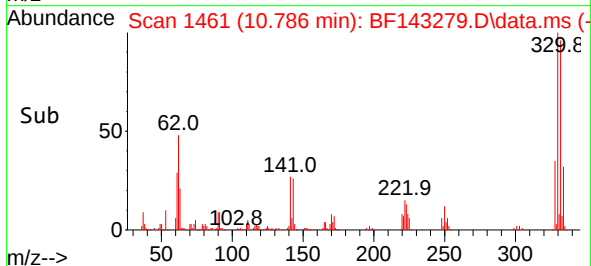
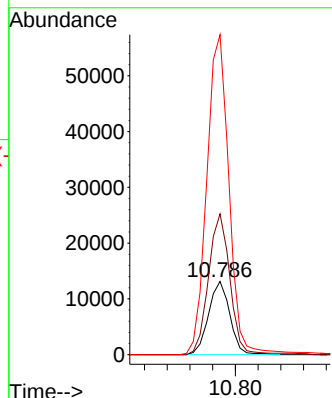
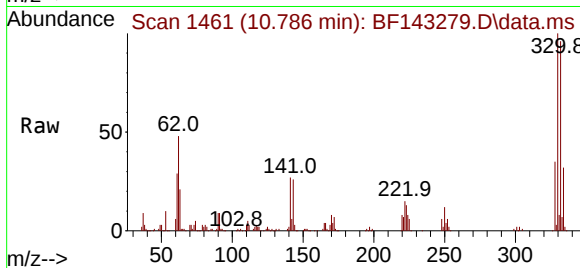




#67
4-Bromophenyl-phenylether
Concen: 3.902 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

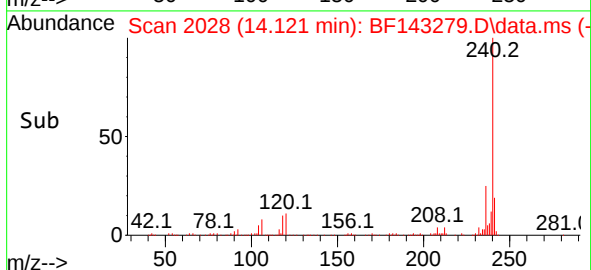
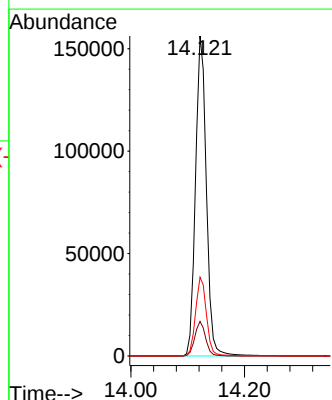
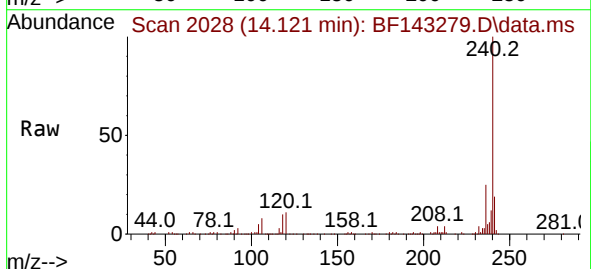
Instrument :
BNA_F
ClientSampleId :
PB169060TB

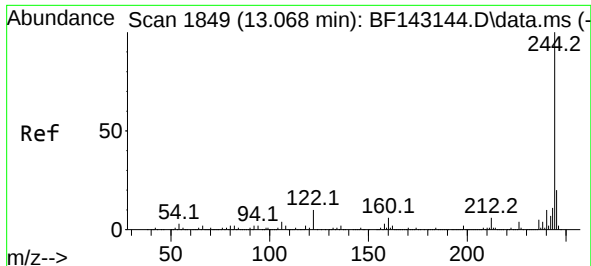
Tgt Ion:248 Resp: 17108
Ion Ratio Lower Upper
248 100
250 192.2 78.3 117.5#
141 436.8 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143279.D
Acq: 01 Aug 2025 13:31

Tgt Ion:240 Resp: 208592
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 24.6 20.2 30.4

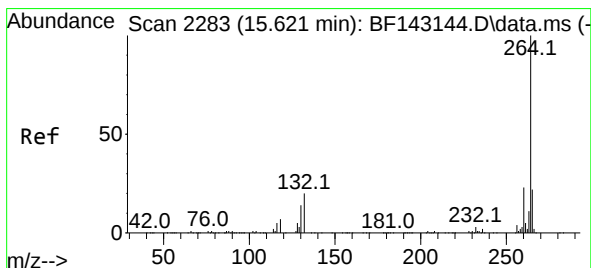
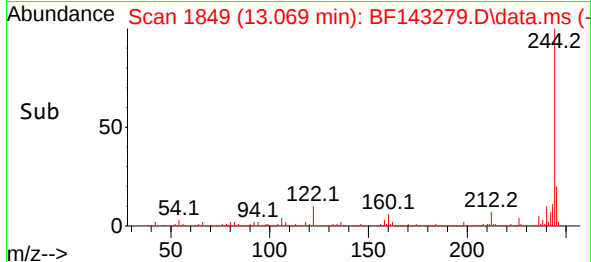
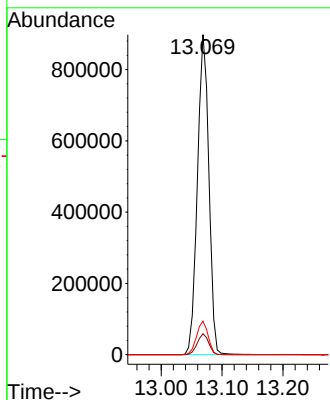
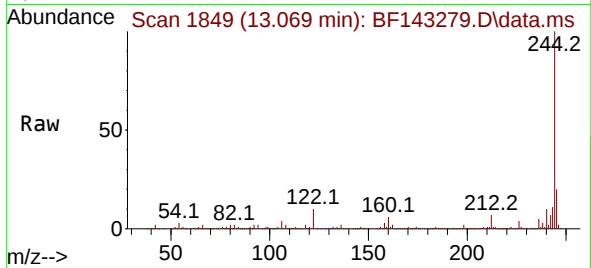




#79
 Terphenyl-d14
 Concen: 83.736 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143279.D
 Acq: 01 Aug 2025 13:31

Instrument :
 BNA_F
 ClientSampleId :
 PB169060TB

Tgt Ion:244 Resp: 1173746
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.4 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: BF143279.D
 Acq: 01 Aug 2025 13:31

Tgt Ion:264 Resp: 214248
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.5 27.7
 265 21.3 17.4 26.2

