

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143172.D
 Acq On : 21 Jul 2025 15:29
 Operator : RC/JU
 Sample : Q2651-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 6-5

Quant Time: Jul 21 15:50:38 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)

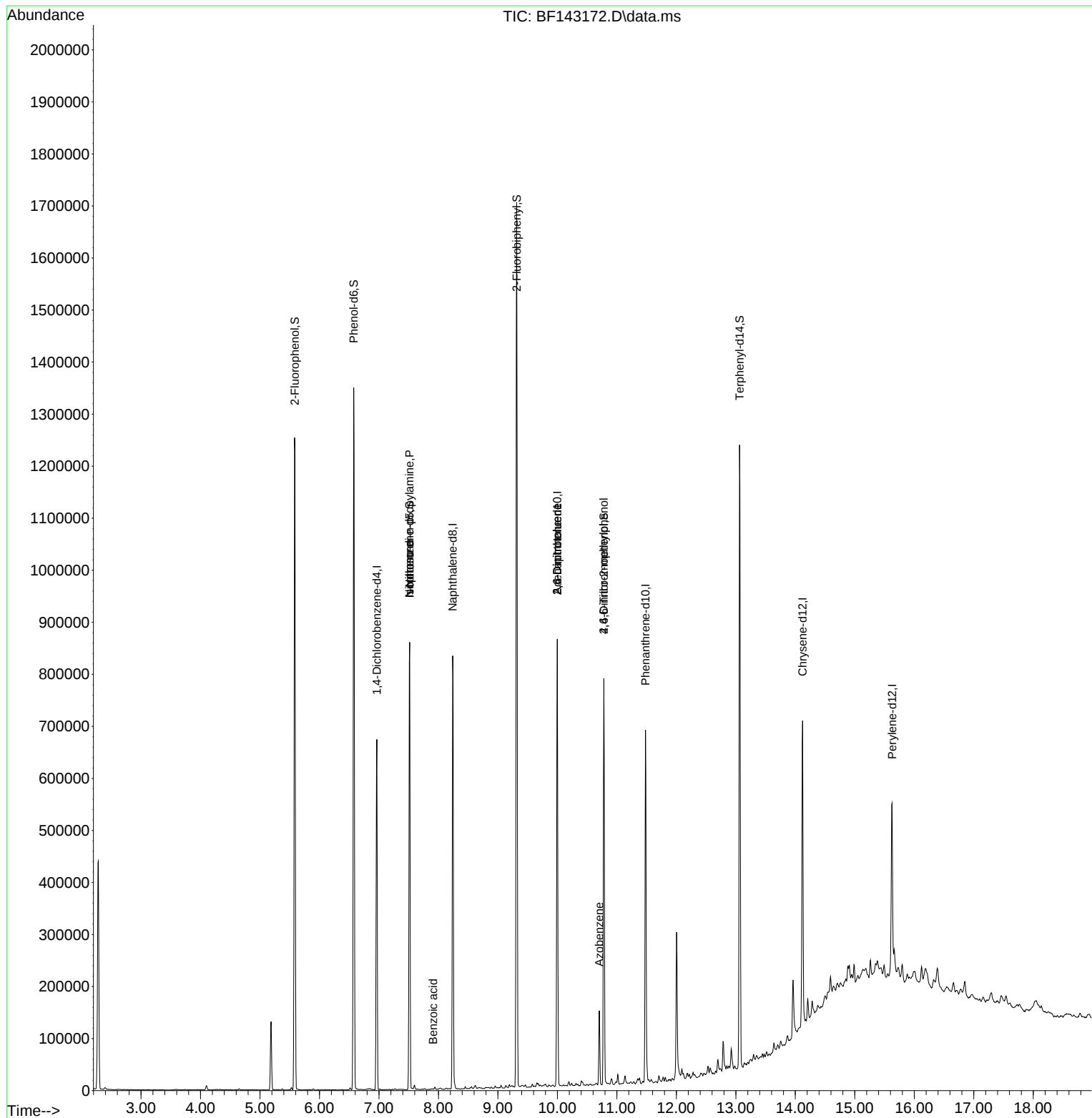
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	136248	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	503155	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	241899	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	333011	20.000	ng	0.00
76) Chrysene-d12	14.121	240	275833	20.000	ng	0.00
86) Perylene-d12	15.627	264	194420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	448111	52.046	ng	0.00
7) Phenol-d6	6.575	99	598801	55.255	ng	-0.01
23) Nitrobenzene-d5	7.516	82	359984	35.663	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	124775	49.931	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	715547	40.455	ng	0.00
79) Terphenyl-d14	13.063	244	570002	30.751	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	49288	7.089	ng	# 78
25) Isophorone	7.516	82	358599	20.124	ng	# 66
32) Benzoic acid	7.910	122	59	5.189	ng	# 85
51) 2,6-Dinitrotoluene	9.998	165	31816	9.919	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	31816	7.906	ng	# 21
63) Azobenzene	10.704	77	34949	2.152	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	212	5.520	ng	# 1

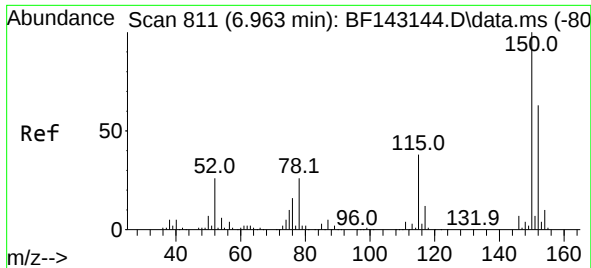
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
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Misc :
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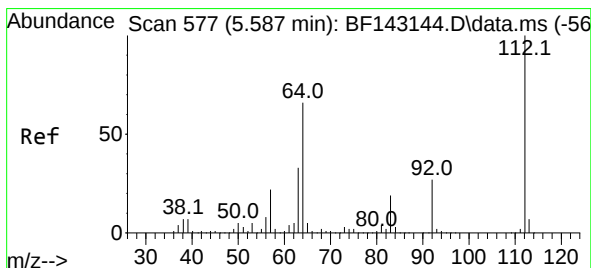
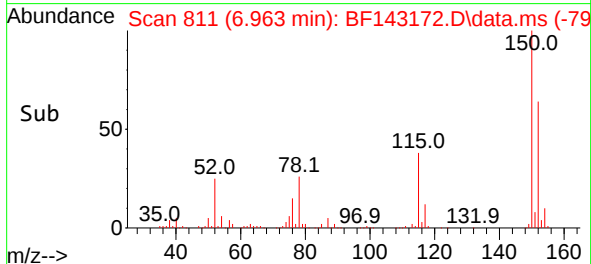
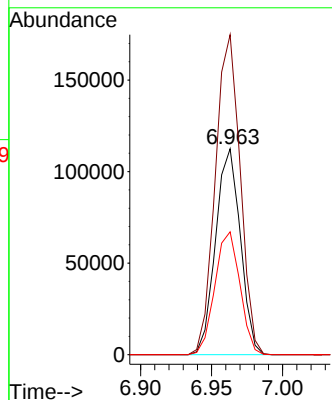
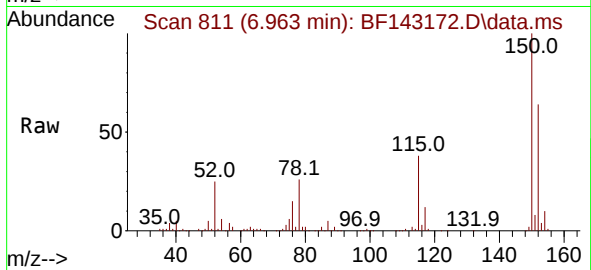




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

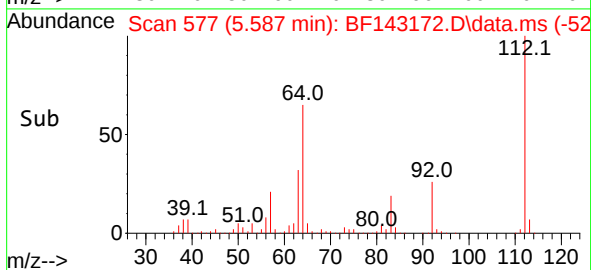
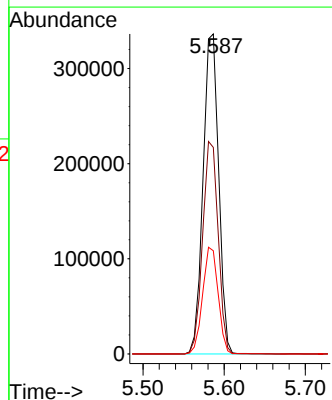
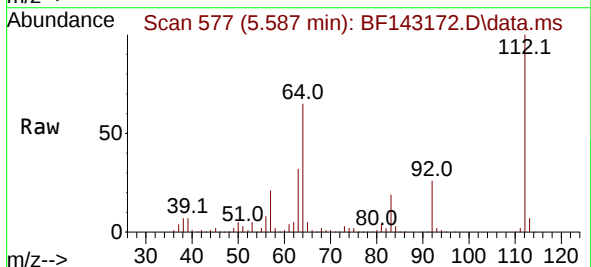
Instrument :
BNA_F
ClientSampleId :
MH 6-5

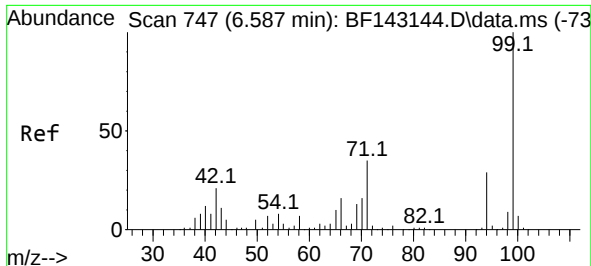
Tgt Ion:152 Resp: 136248
Ion Ratio Lower Upper
152 100
150 155.4 128.2 192.4
115 59.7 47.9 71.9



#5
2-Fluorophenol
Concen: 52.046 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion:112 Resp: 448111
Ion Ratio Lower Upper
112 100
64 64.5 53.1 79.7
63 32.2 26.6 40.0

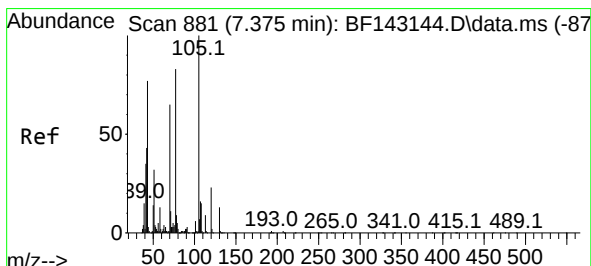
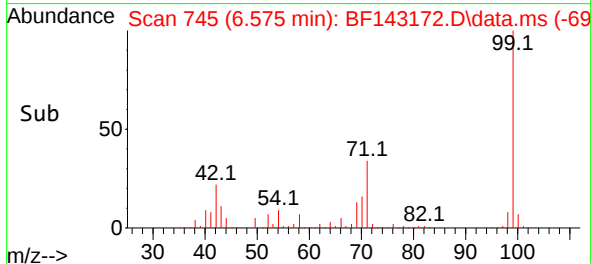
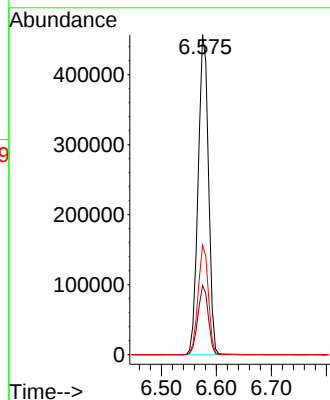
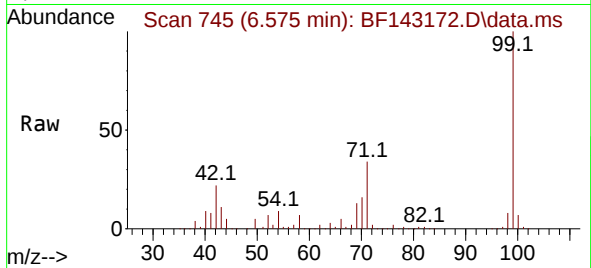




#7
Phenol-d6
Concen: 55.255 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

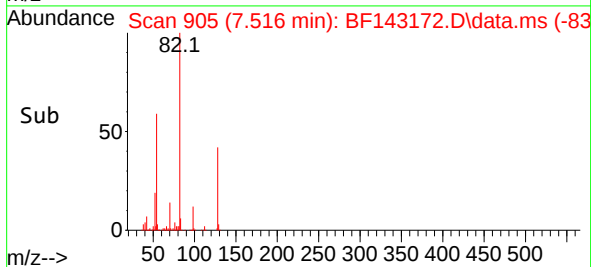
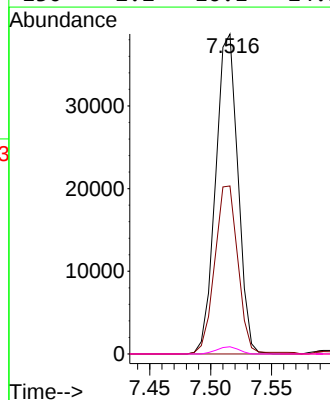
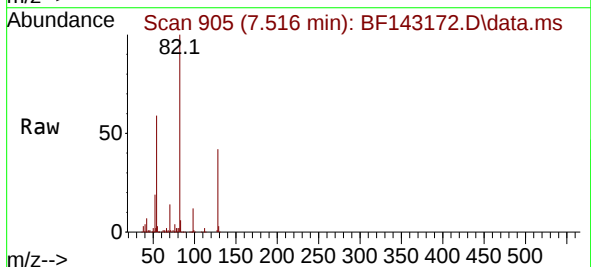
Instrument :
BNA_F
ClientSampleId :
MH 6-5

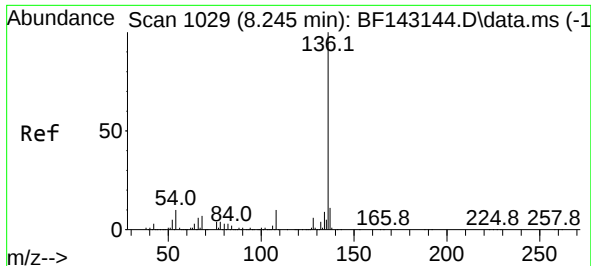
Tgt Ion: 99 Resp: 598801
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.089 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion: 70 Resp: 49288
Ion Ratio Lower Upper
70 100
42 52.5 52.5 78.7
101 0.0 7.6 11.4#
130 2.2 16.1 24.1#

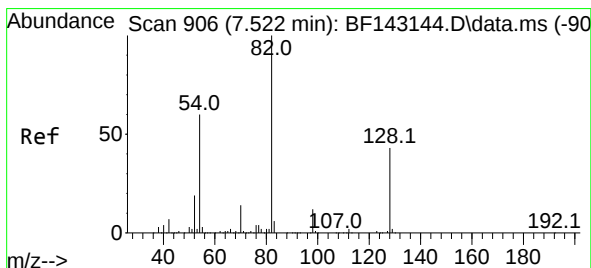
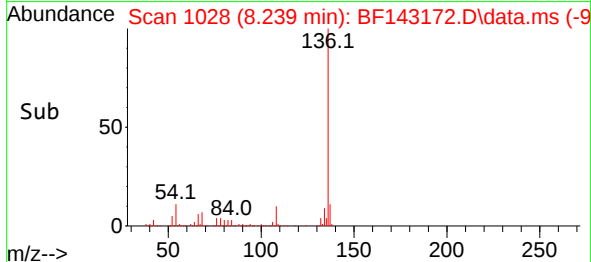
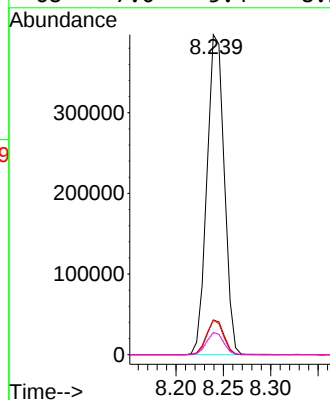
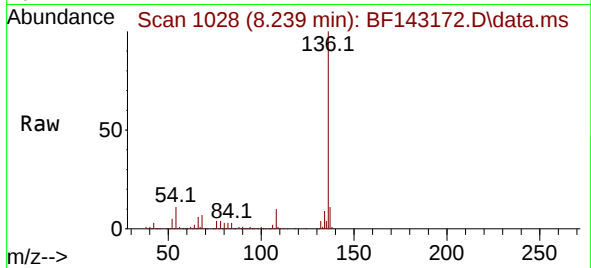




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

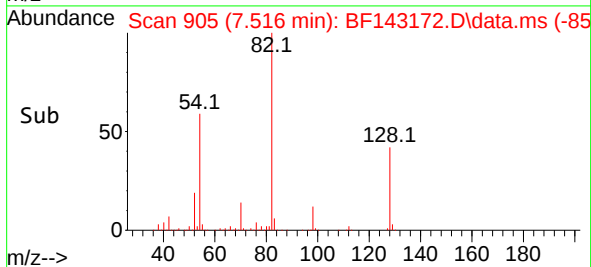
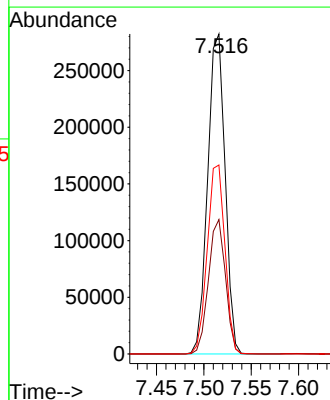
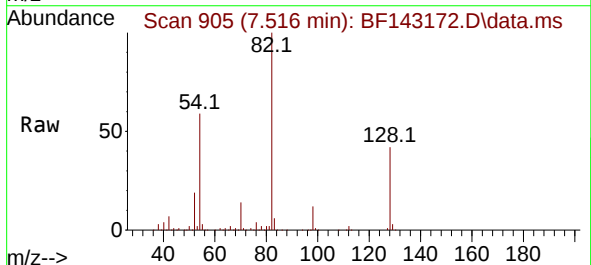
Instrument :
BNA_F
ClientSampleId :
MH 6-5

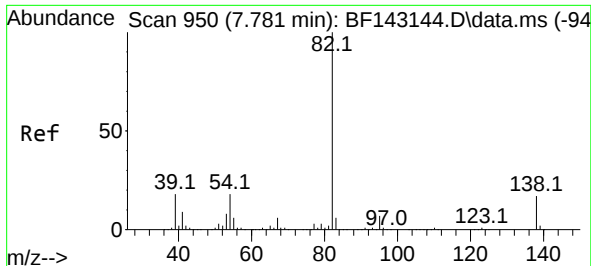
Tgt Ion:	136	Resp:	503155
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	10.8	8.2	12.2
68	7.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 35.663 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion:	82	Resp:	359984
Ion Ratio	Lower	Upper	
82	100		
128	42.0	33.6	50.4
54	59.1	47.1	70.7

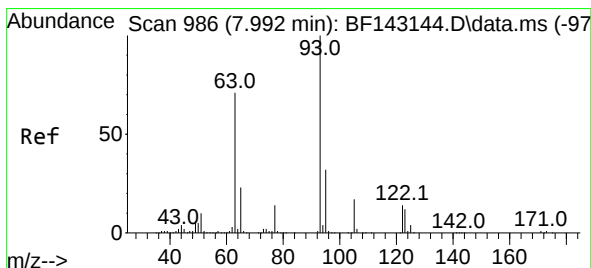
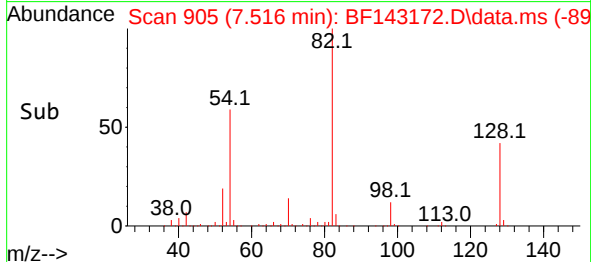
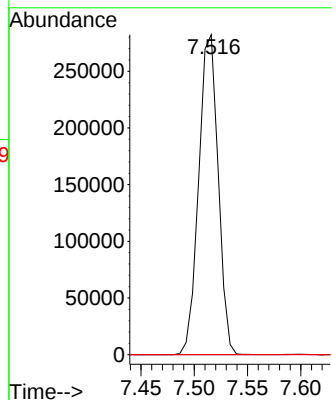
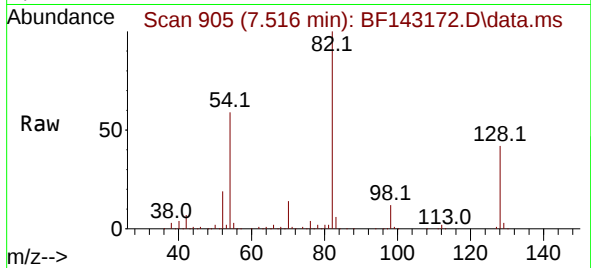




#25
Isophorone
Concen: 20.124 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

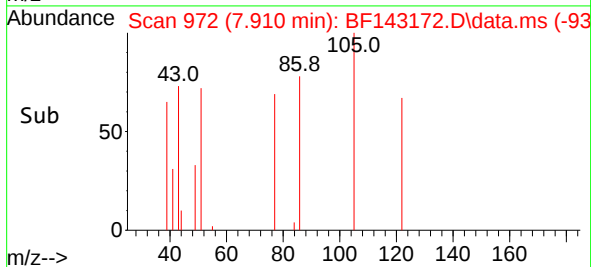
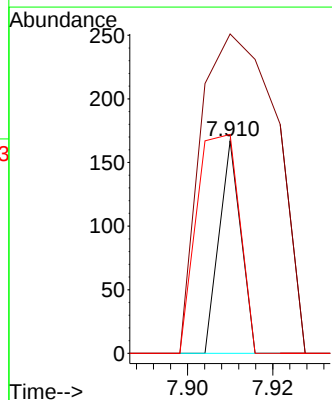
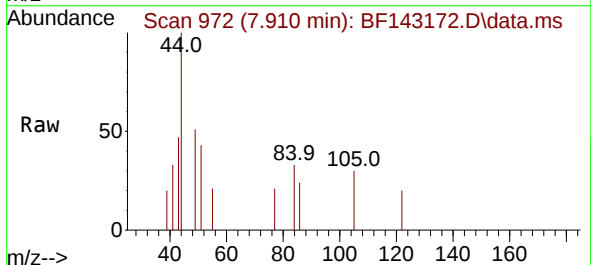
Instrument :
BNA_F
ClientSampleId :
MH 6-5

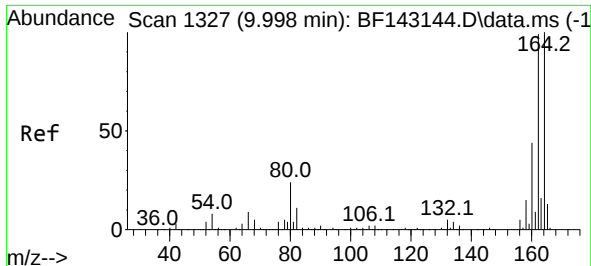
Tgt Ion: 82 Resp: 358599
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.189 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 150.3 104.8 144.8#
77 103.0 77.6 117.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

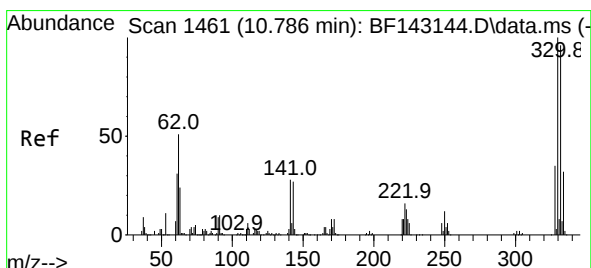
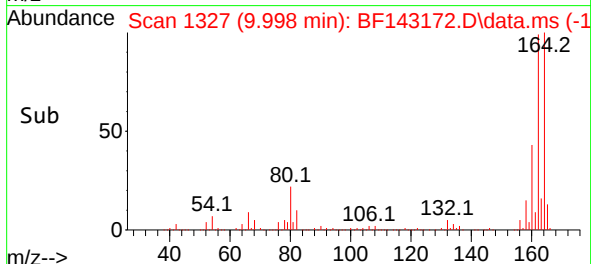
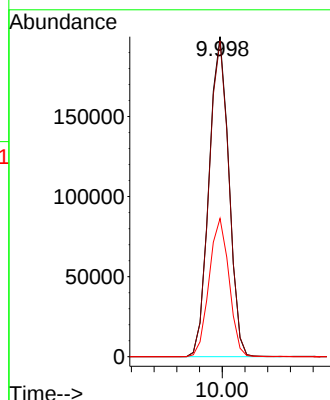
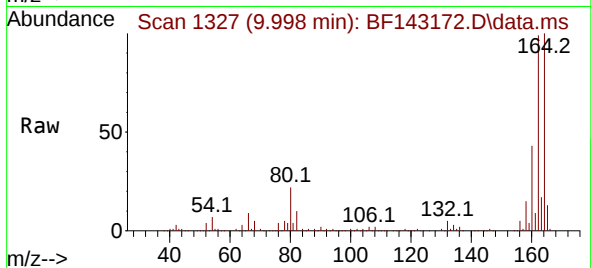
Tgt Ion:164 Resp: 241899

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 43.2 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 49.931 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

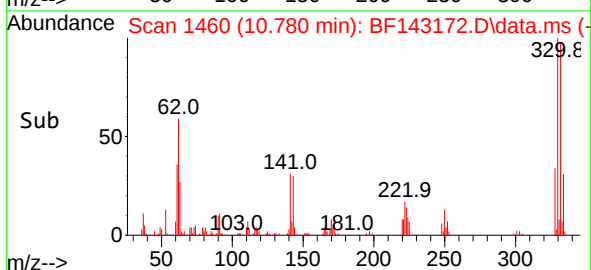
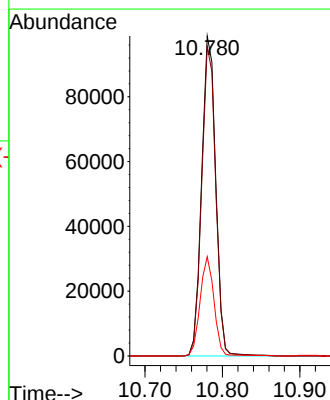
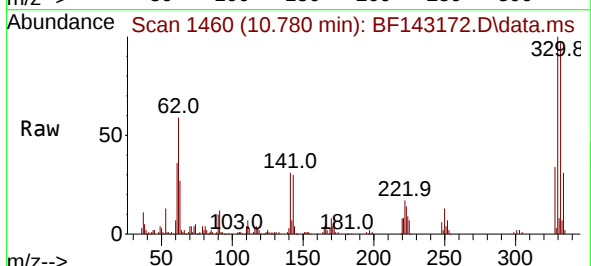
Tgt Ion:330 Resp: 124775

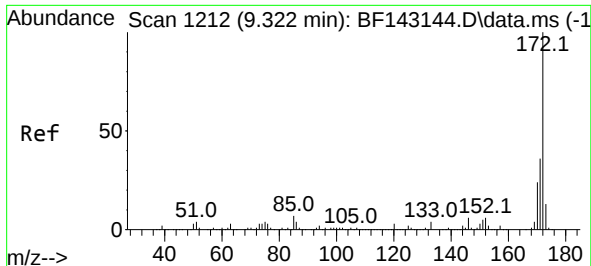
Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 30.8 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 40.455 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

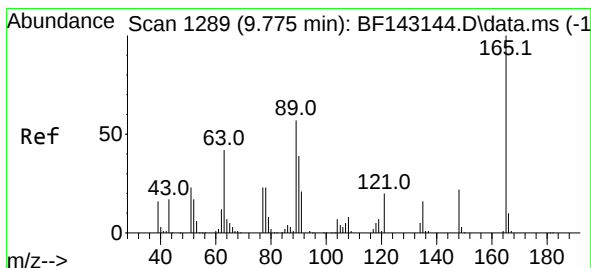
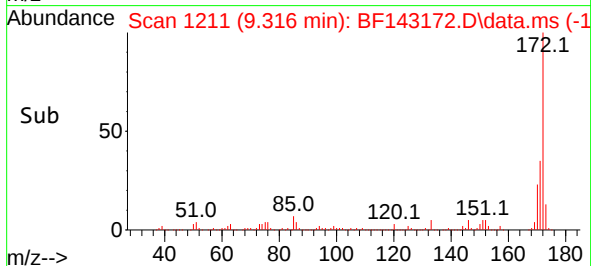
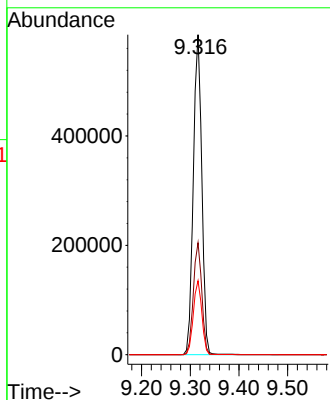
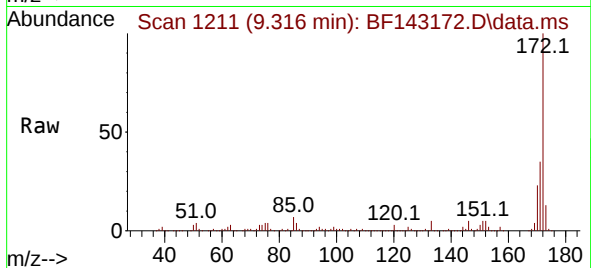
Tgt Ion:172 Resp: 715547

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.919 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

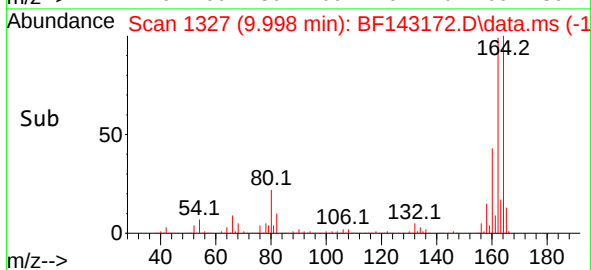
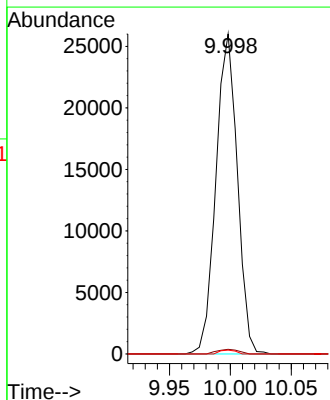
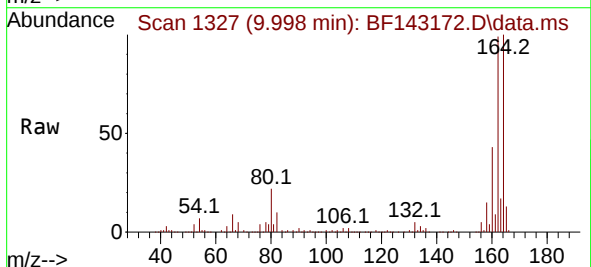
Tgt Ion:165 Resp: 31816

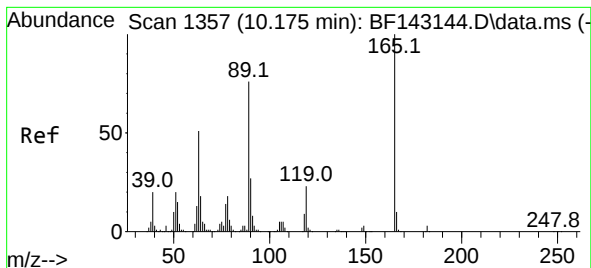
Ion Ratio Lower Upper

165 100

63 1.5 49.4 74.2#

89 1.2 46.2 69.2#

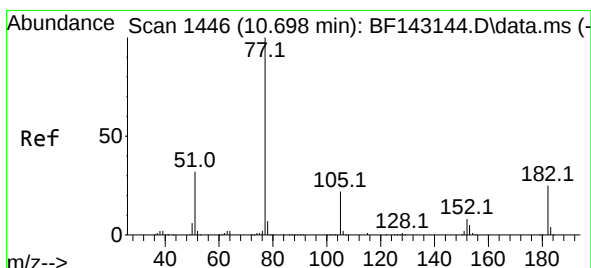
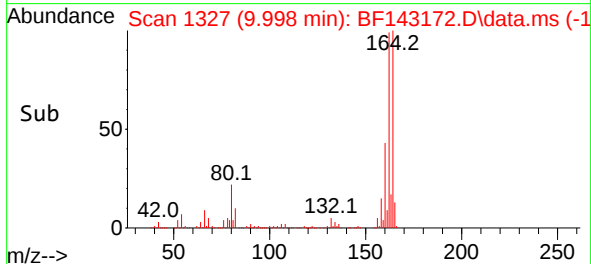
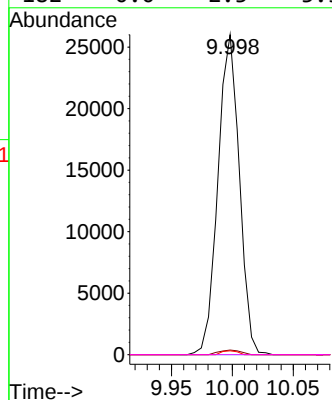
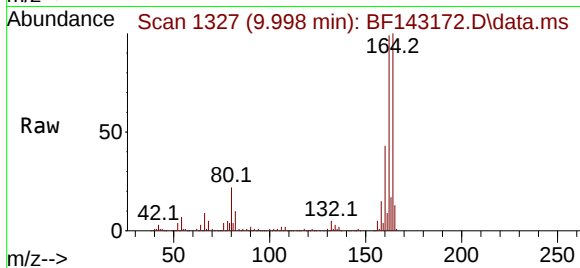




#57
2,4-Dinitrotoluene
Concen: 7.906 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

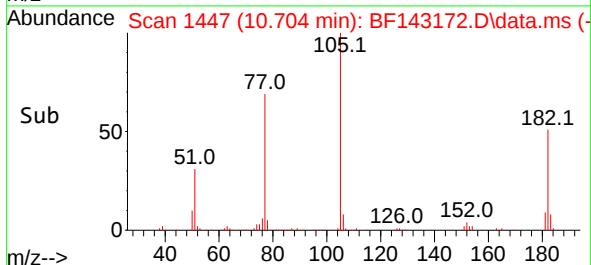
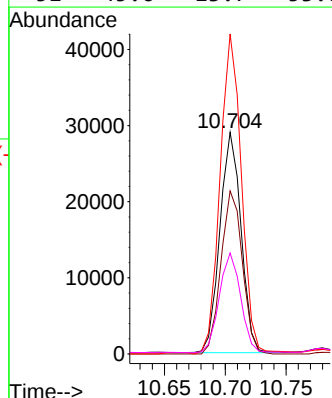
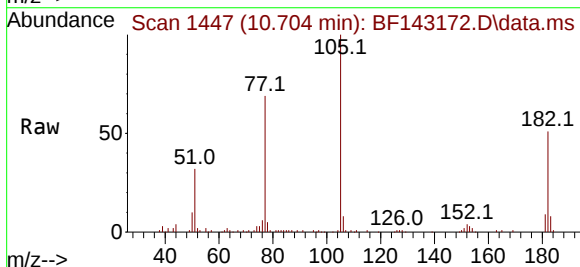
Instrument :
BNA_F
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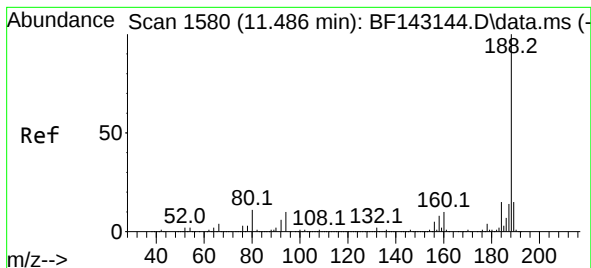
Tgt Ion:165 Resp: 31816
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.152 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion: 77 Resp: 34949
Ion Ratio Lower Upper
77 100
182 73.6 4.6 44.6#
105 144.4 1.4 41.4#
51 45.6 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

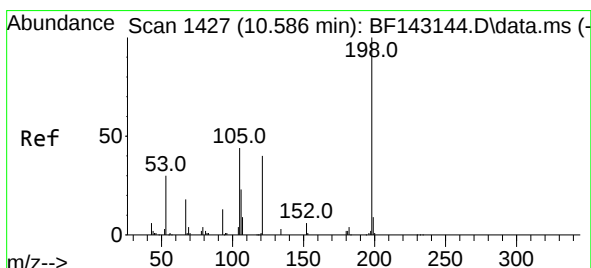
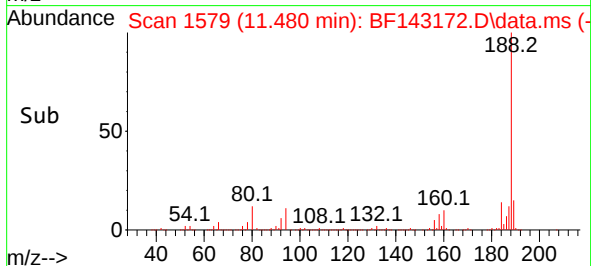
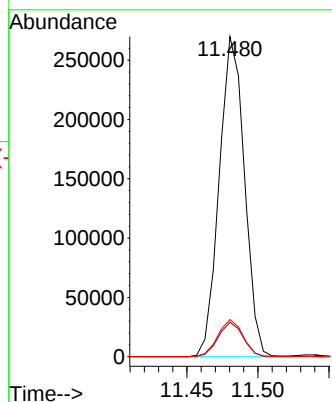
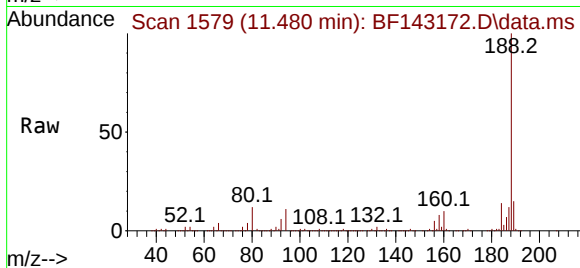
Tgt Ion:188 Resp: 333011

Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.6 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.520 ng

RT: 10.780 min Scan# 1460

Delta R.T. 0.194 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

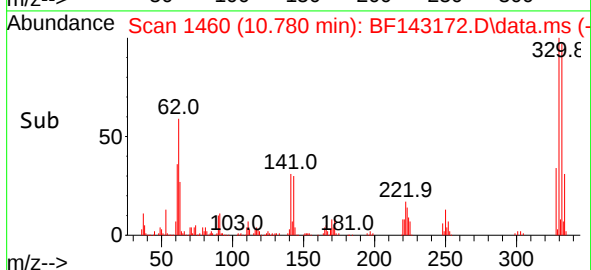
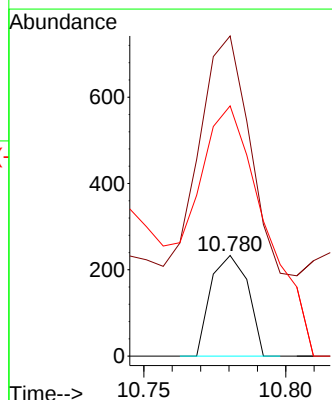
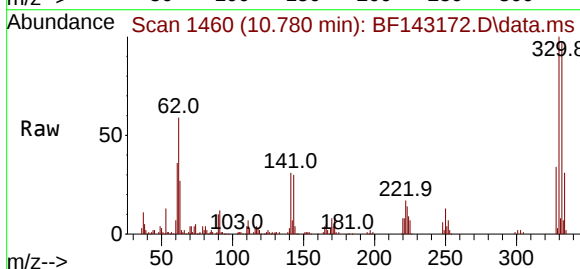
Tgt Ion:198 Resp: 212

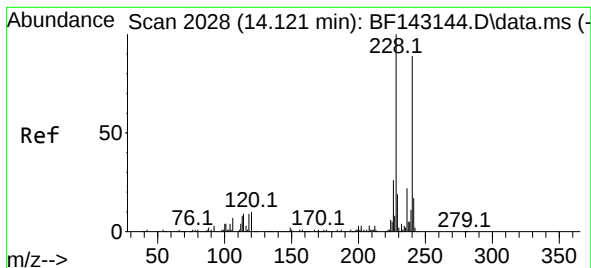
Ion Ratio Lower Upper

198 100

51 318.5 37.2 77.2#

105 248.9 24.8 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

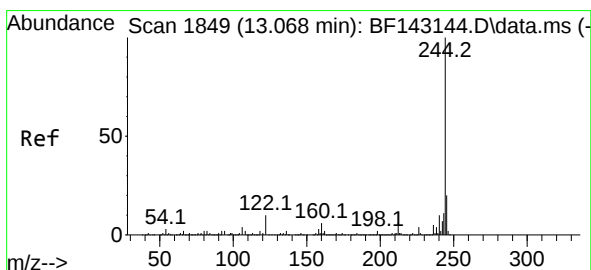
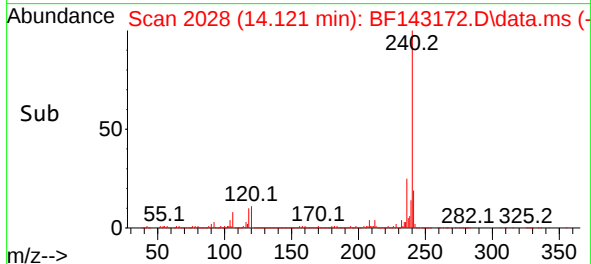
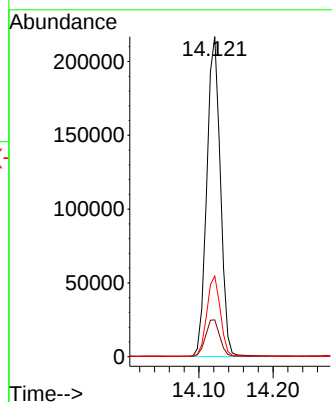
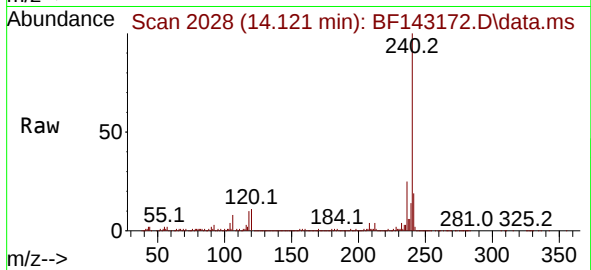
Tgt Ion:240 Resp: 275833

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 25.2 20.2 30.4



#79

Terphenyl-d14

Concen: 30.751 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

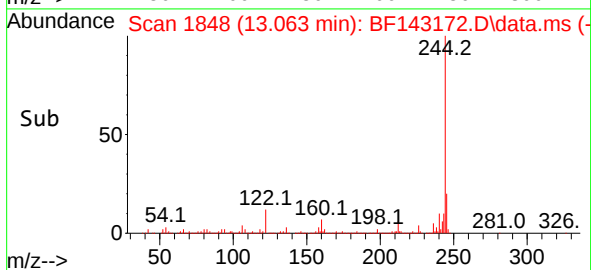
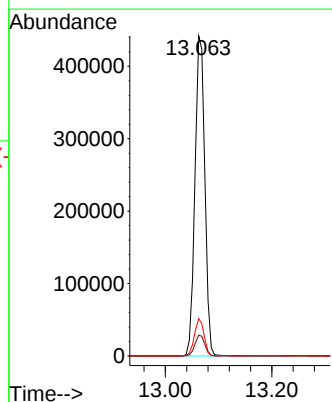
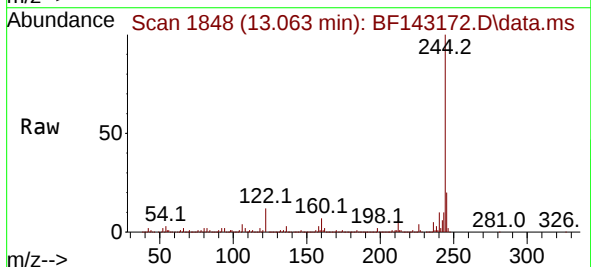
Tgt Ion:244 Resp: 570002

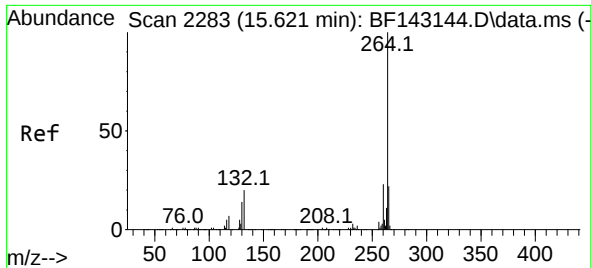
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

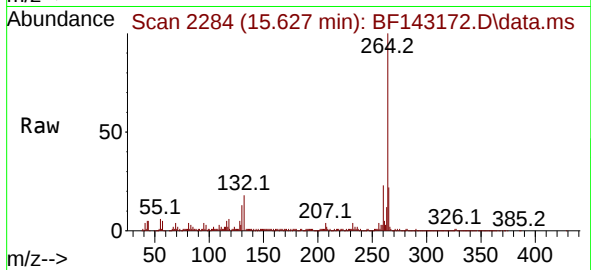
122 11.7 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Instrument :
BNA_F
ClientSampleId :
MH 6-5



Tgt Ion:264 Resp: 194420

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.5	17.4	26.2

