

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143164.D
 Acq On : 18 Jul 2025 13:52
 Operator : RC/JU
 Sample : PB168904BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168904BL

Quant Time: Jul 18 14:13:27 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)

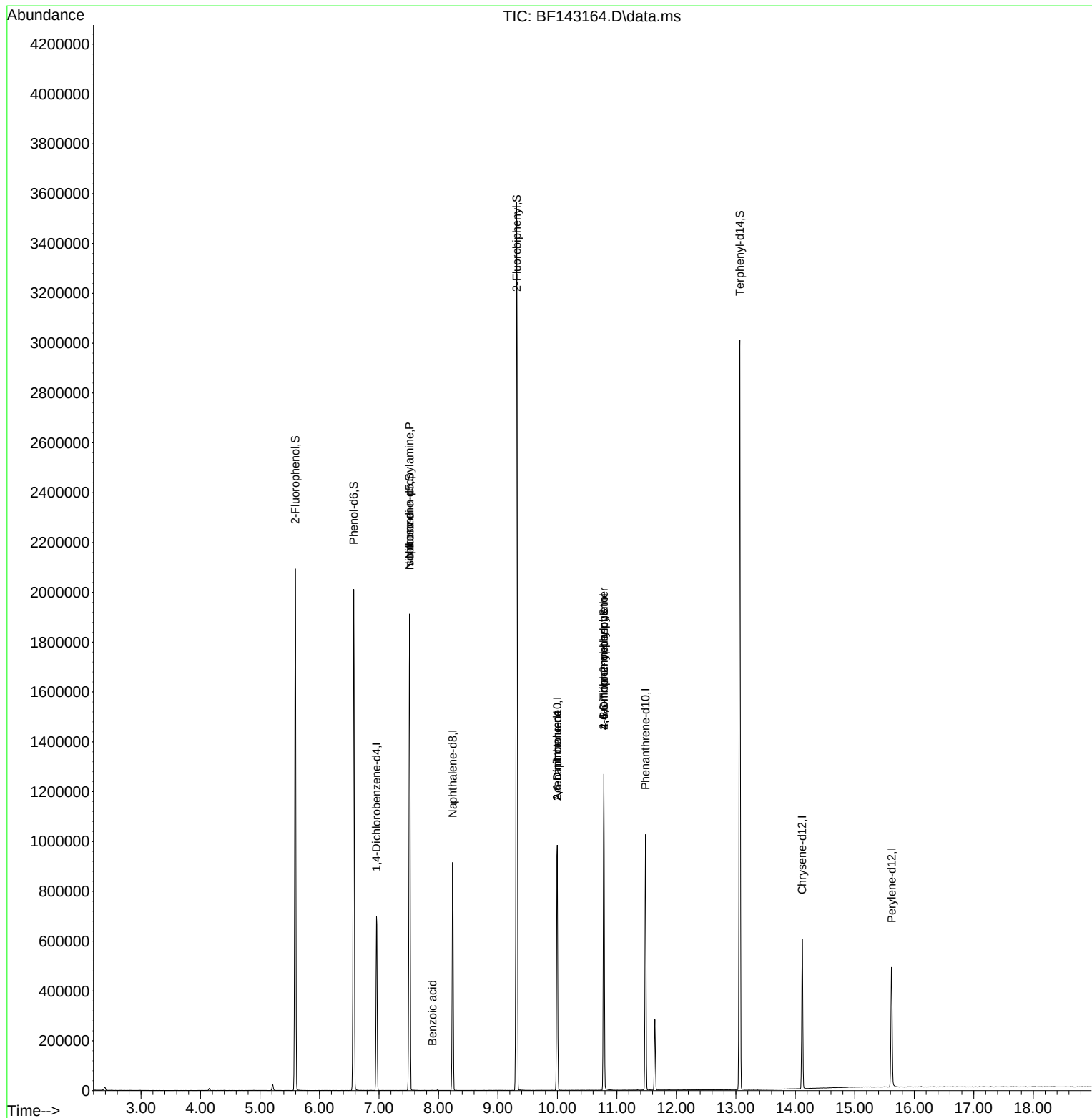
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	144227	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	555488	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293300	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	504948	20.000	ng	0.00
76) Chrysene-d12	14.116	240	280403	20.000	ng	0.00
86) Perylene-d12	15.621	264	285721	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	754293	82.761	ng	0.00
7) Phenol-d6	6.575	99	952370	83.019	ng	-0.01
23) Nitrobenzene-d5	7.516	82	883646	79.294	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	210370	69.430	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1626010	75.819	ng	0.00
79) Terphenyl-d14	13.069	244	1559712	82.774	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	119518	16.239	ng	# 78
25) Isophorone	7.516	82	878105	44.636	ng	# 66
32) Benzoic acid	7.898	122	244	5.220	ng	# 77
51) 2,6-Dinitrotoluene	9.998	165	37346	9.603	ng	# 22
57) 2,4-Dinitrotoluene	9.998	165	37346	7.654	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.780	198	291	5.510	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	13325	2.214	ng	# 1

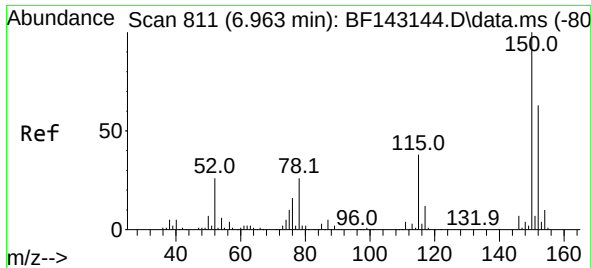
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
Data File : BF143164.D
Acq On : 18 Jul 2025 13:52
Operator : RC/JU
Sample : PB168904BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168904BL

Quant Time: Jul 18 14:13:27 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

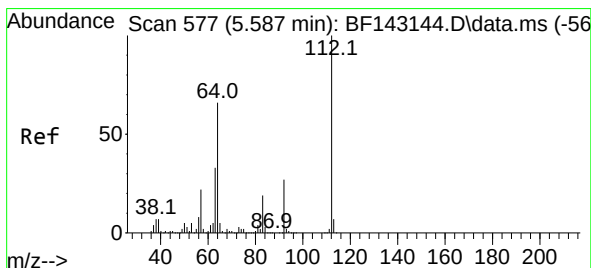
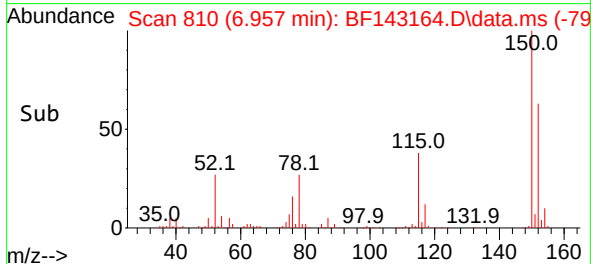
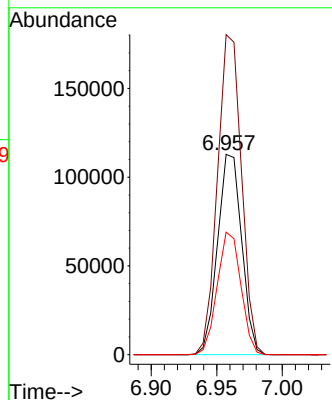
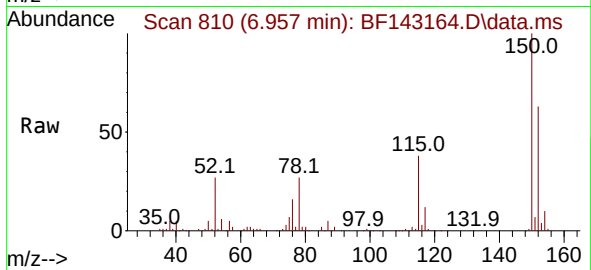




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

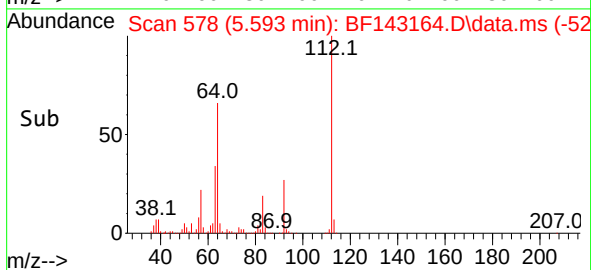
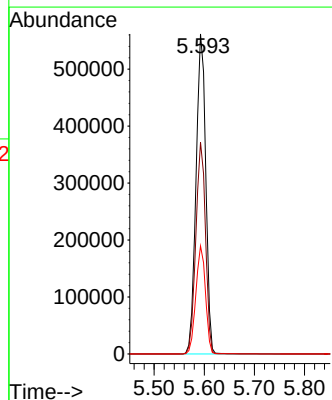
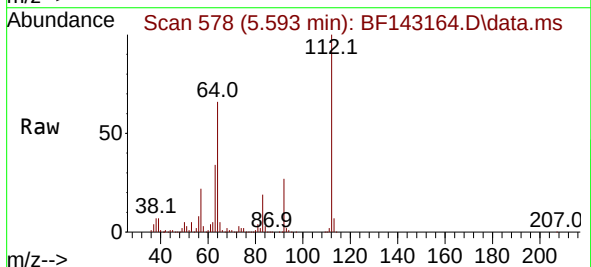
Instrument :
BNA_F
ClientSampleId :
PB168904BL

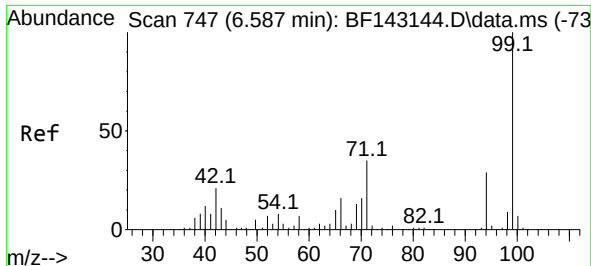
Tgt Ion:152 Resp: 144227
Ion Ratio Lower Upper
152 100
150 159.8 128.2 192.4
115 61.2 47.9 71.9



#5
2-Fluorophenol
Concen: 82.761 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:112 Resp: 754293
Ion Ratio Lower Upper
112 100
64 66.2 53.1 79.7
63 33.7 26.6 40.0

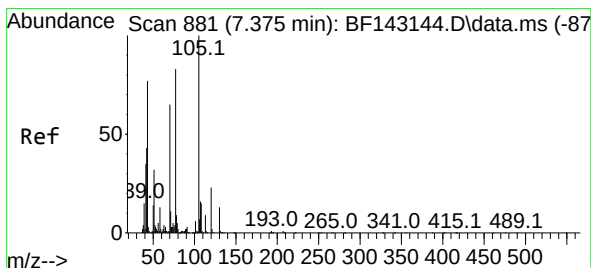
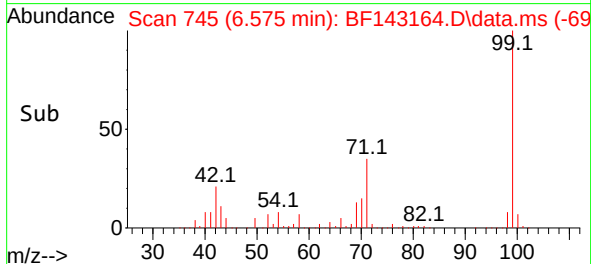
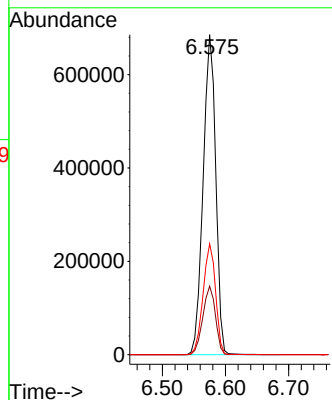
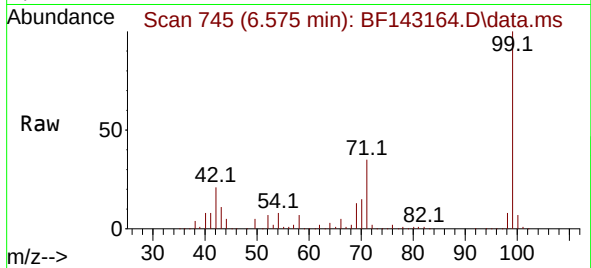




#7
Phenol-d6
Concen: 83.019 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

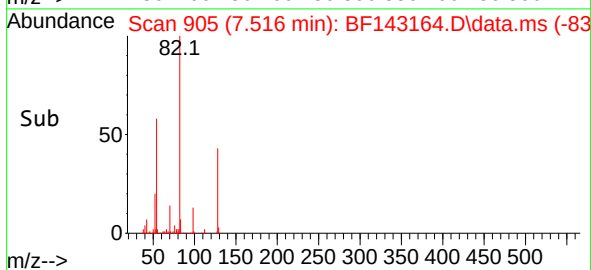
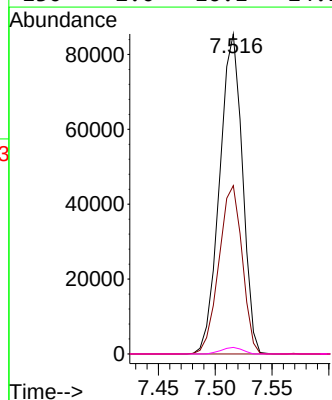
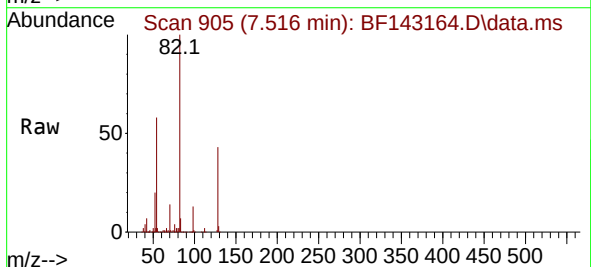
Instrument :
BNA_F
ClientSampleId :
PB168904BL

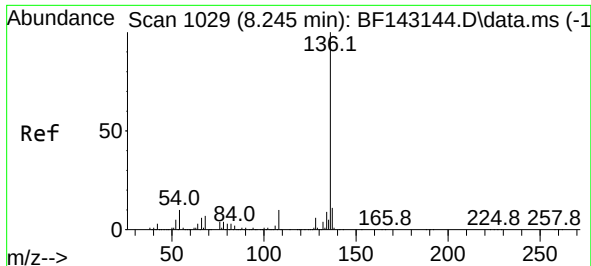
Tgt Ion: 99 Resp: 952370
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 34.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.239 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion: 70 Resp: 119518
Ion Ratio Lower Upper
70 100
42 52.6 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

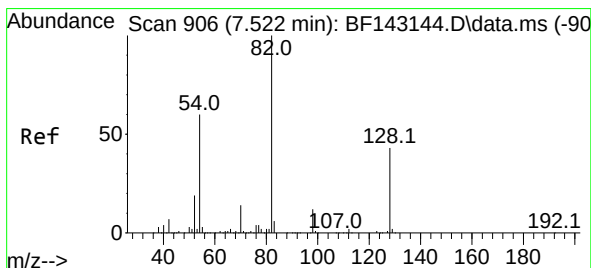
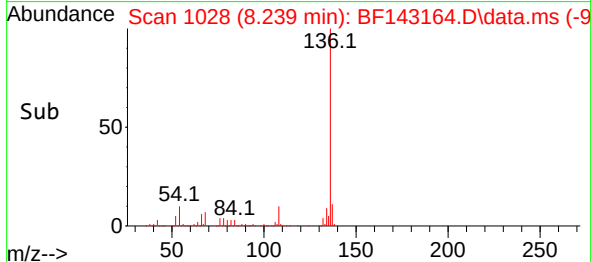
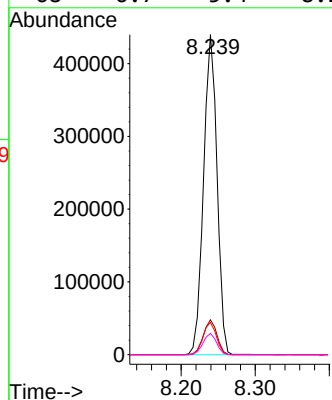
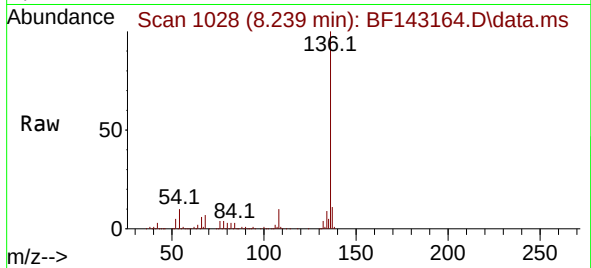




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

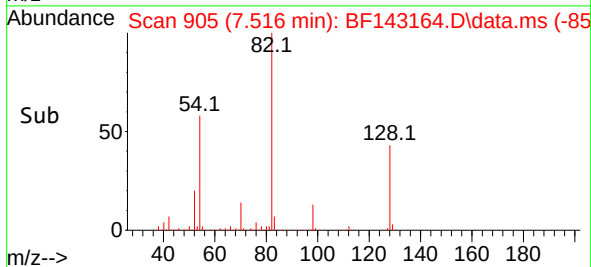
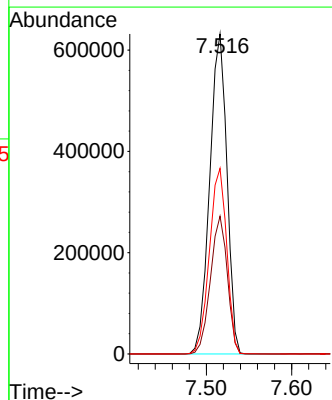
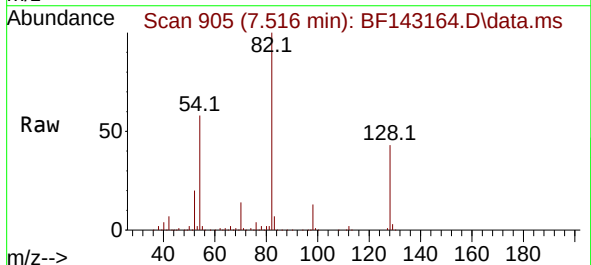
Instrument :
BNA_F
ClientSampleId :
PB168904BL

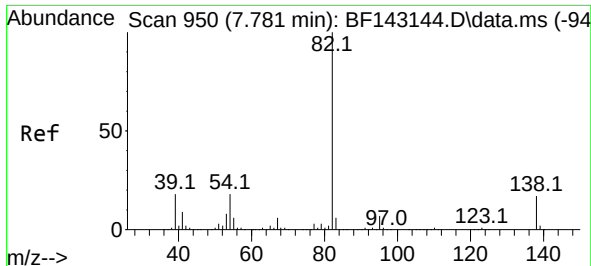
Tgt	Ion:136	Resp:	555488
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 79.294 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion: 82	Resp: 883646
Ion Ratio	Lower Upper
82 100	
128 43.1	33.6 50.4
54 58.0	47.1 70.7

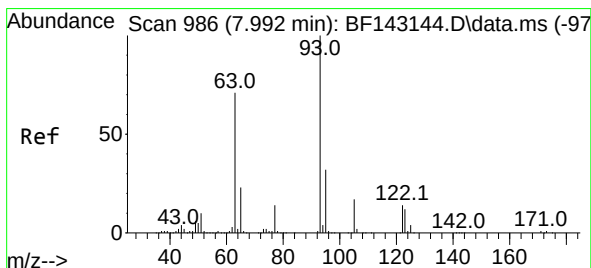
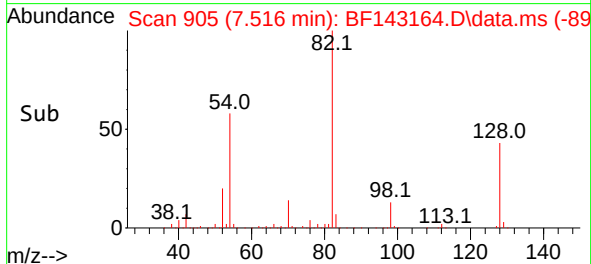
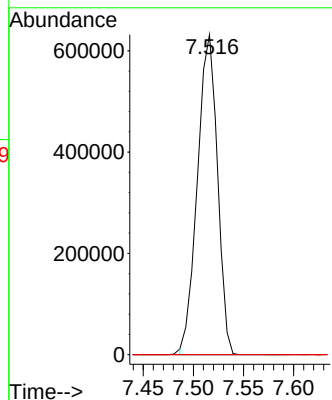
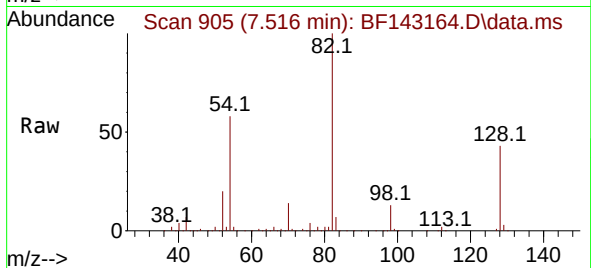




#25
Isophorone
Concen: 44.636 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

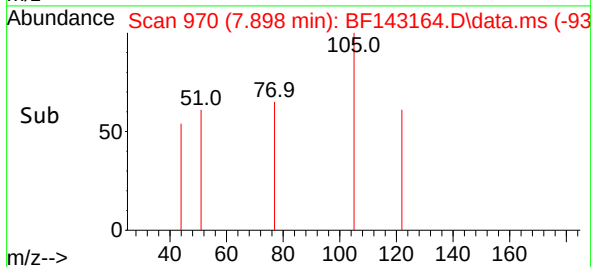
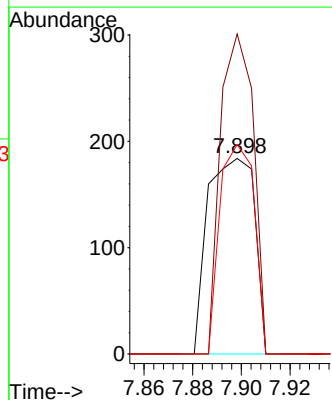
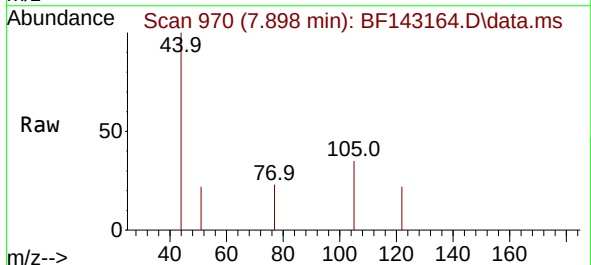
Instrument :
BNA_F
ClientSampleId :
PB168904BL

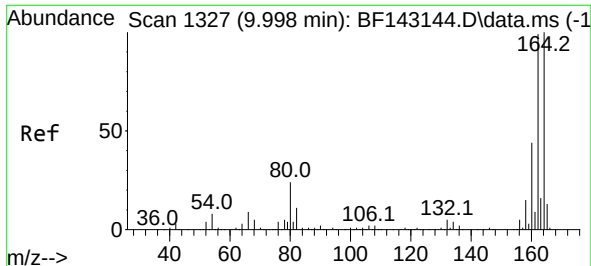
Tgt Ion: 82 Resp: 878105
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.220 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.094 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:122 Resp: 244
Ion Ratio Lower Upper
122 100
105 163.6 104.8 144.8#
77 107.1 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: BF143164.D

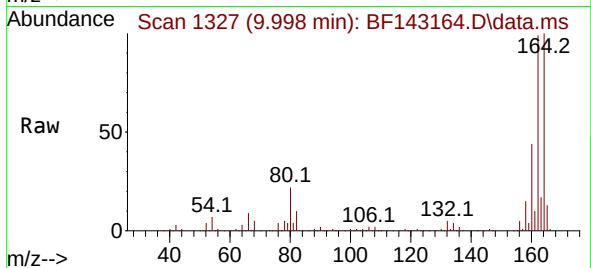
Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL



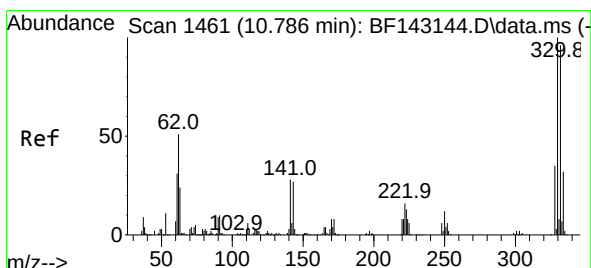
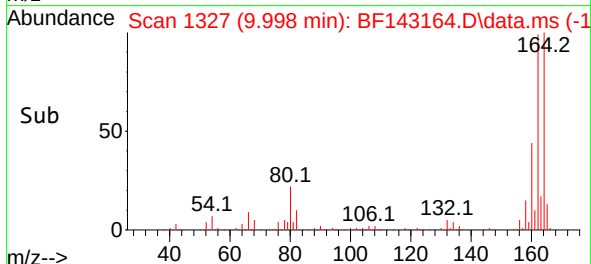
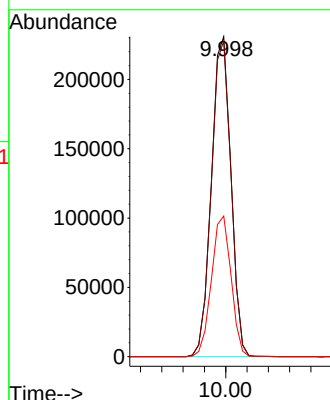
Tgt Ion:164 Resp: 293300

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 43.9 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 69.430 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

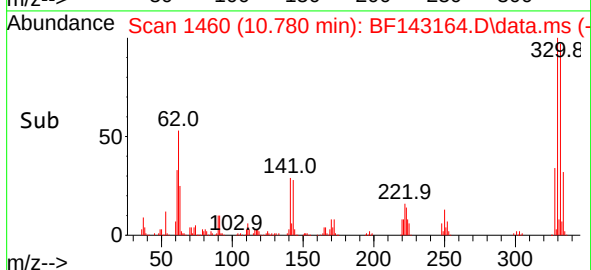
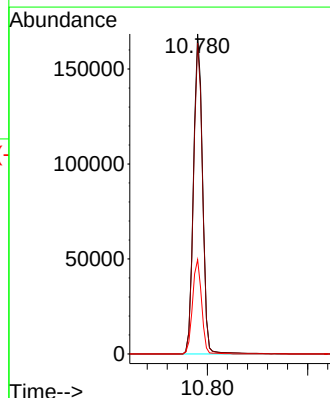
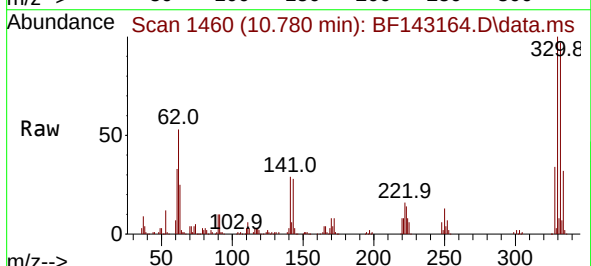
Tgt Ion:330 Resp: 210370

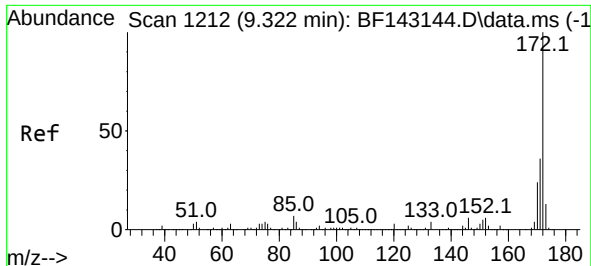
Ion Ratio Lower Upper

330 100

332 97.4 76.7 115.1

141 29.5 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 75.819 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL

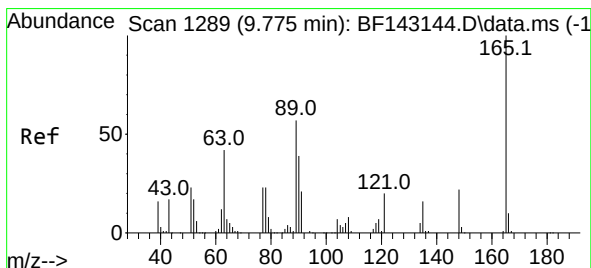
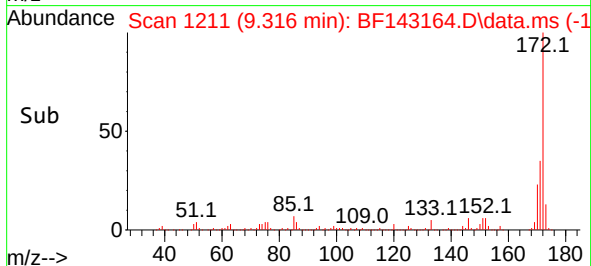
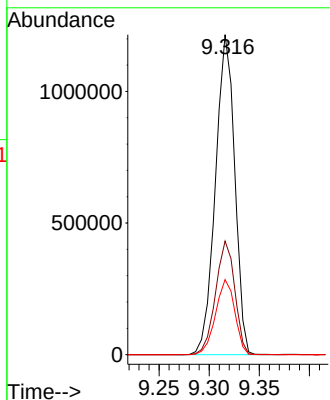
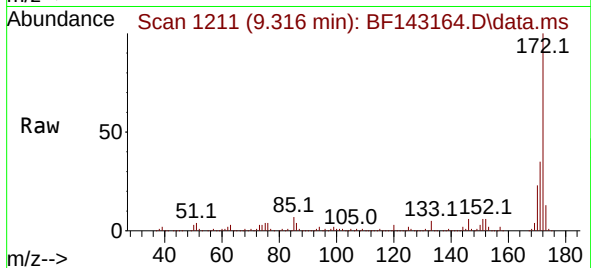
Tgt Ion:172 Resp: 1626010

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.4 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.603 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

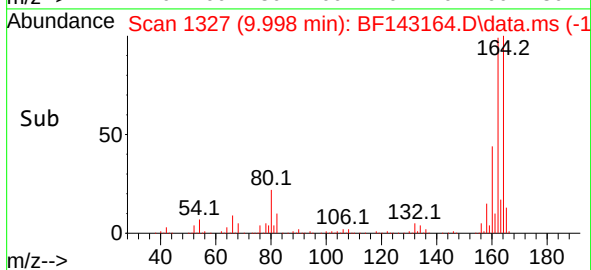
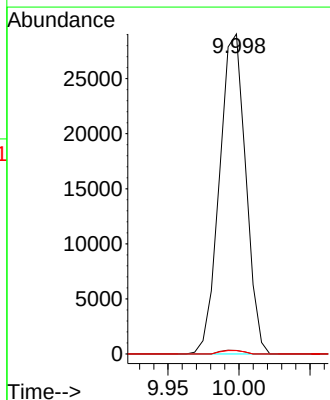
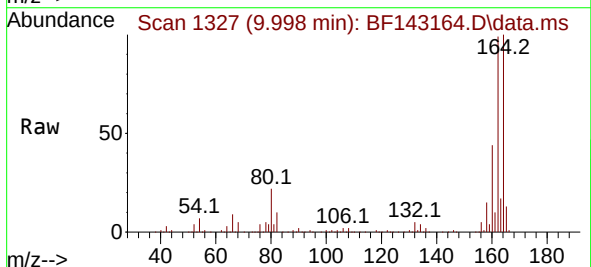
Tgt Ion:165 Resp: 37346

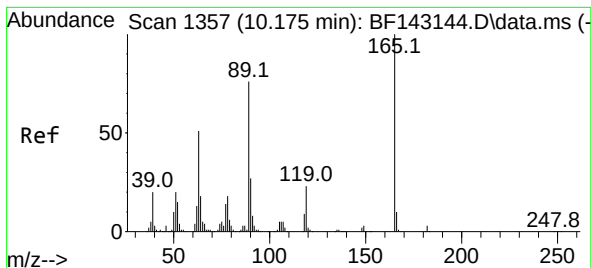
Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.2#

89 1.0 46.2 69.2#

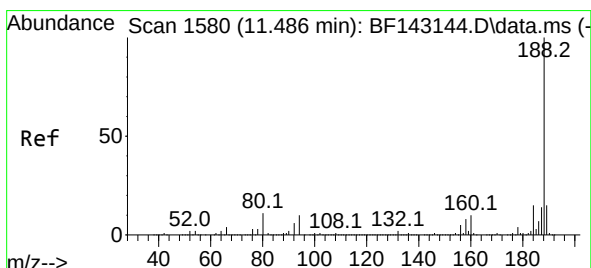
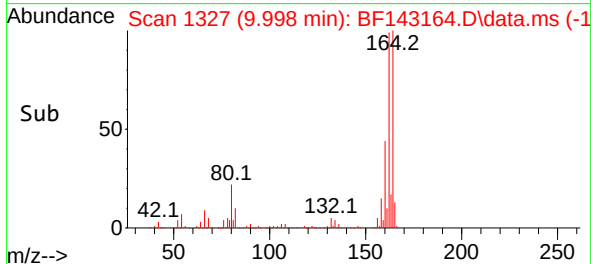
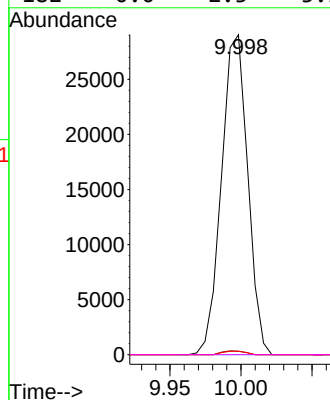
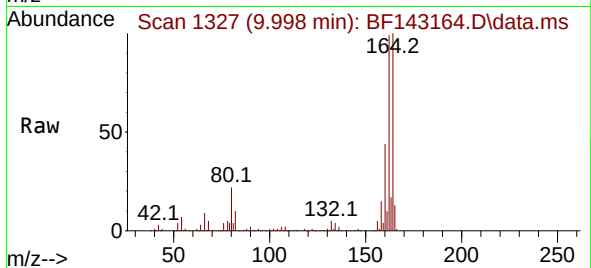




#57
2,4-Dinitrotoluene
Concen: 7.654 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

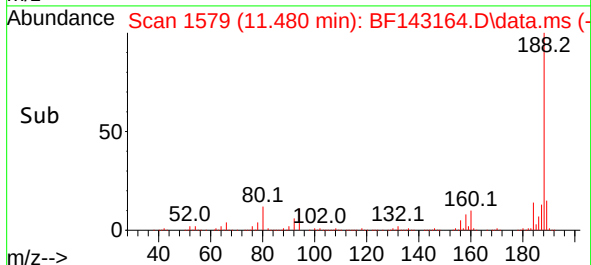
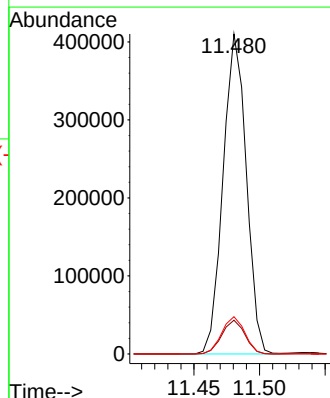
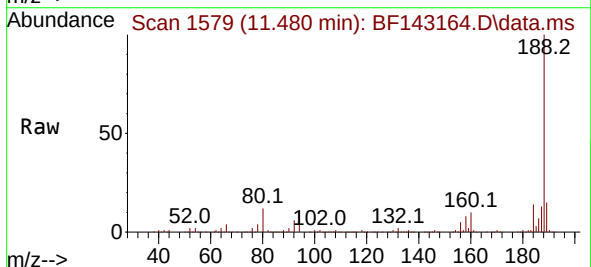
Instrument :
BNA_F
ClientSampleId :
PB168904BL

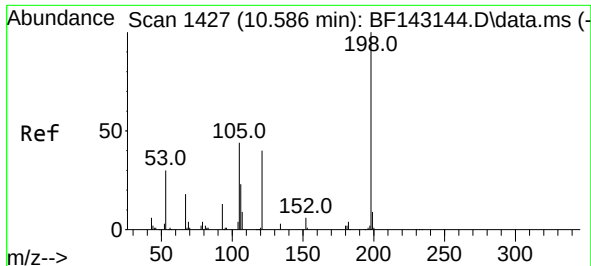
Tgt Ion:165 Resp: 37346
Ion Ratio Lower Upper
165 100
63 1.1 41.0 61.4#
89 1.0 61.1 91.7#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143164.D
Acq: 18 Jul 2025 13:52

Tgt Ion:188 Resp: 504948
Ion Ratio Lower Upper
188 100
94 10.5 8.3 12.5
80 11.7 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 5.510 ng

RT: 10.780 min Scan# 14

Delta R.T. 0.194 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL

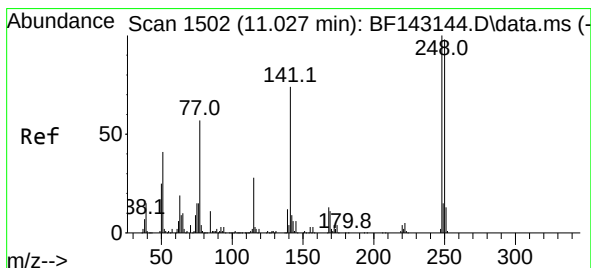
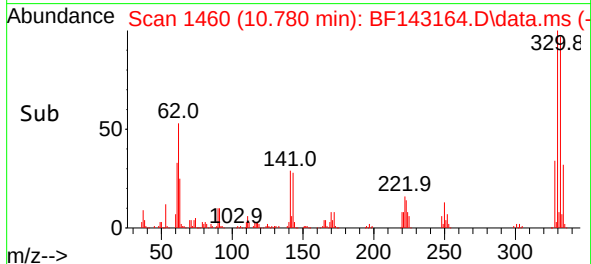
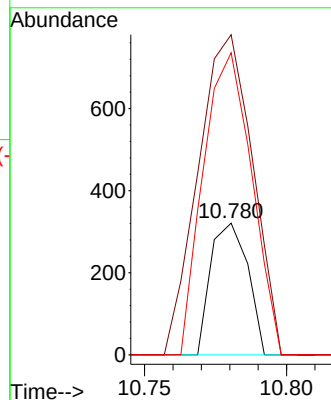
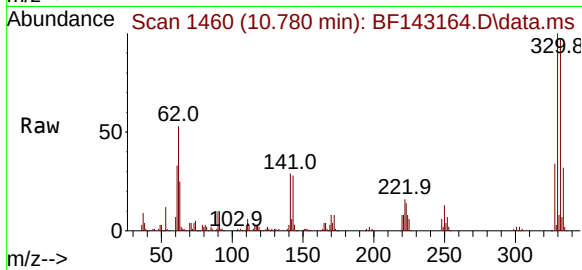
Tgt Ion:198 Resp: 291

Ion Ratio Lower Upper

198 100

51 243.0 37.2 77.2#

105 229.3 24.8 64.8#



#67

4-Bromophenyl-phenylether

Concen: 2.214 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.247 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

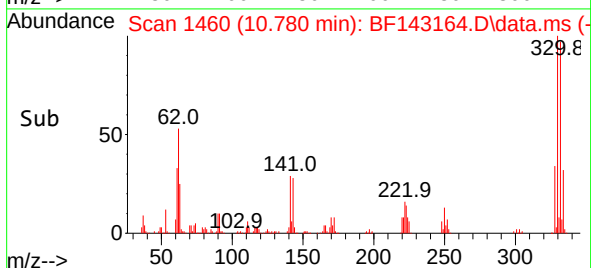
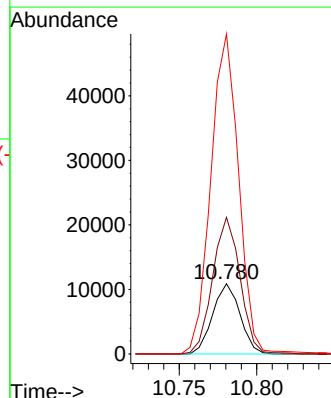
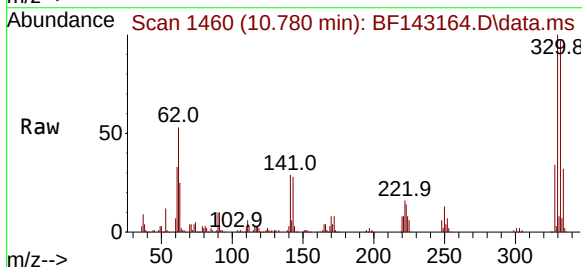
Tgt Ion:248 Resp: 13325

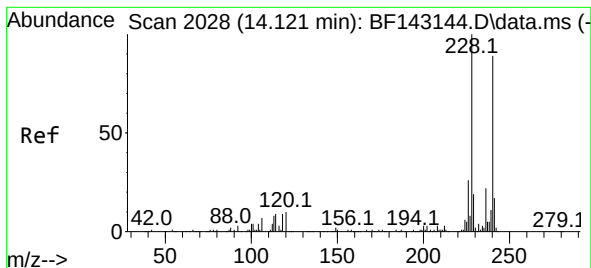
Ion Ratio Lower Upper

248 100

250 194.5 78.3 117.5#

141 455.8 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.116 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

Instrument :

BNA_F

ClientSampleId :

PB168904BL

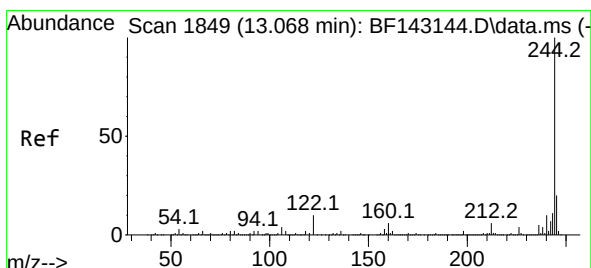
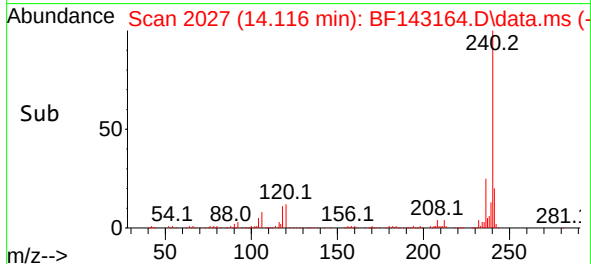
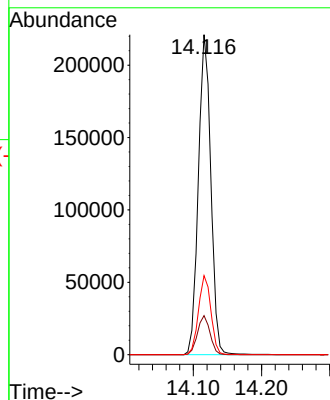
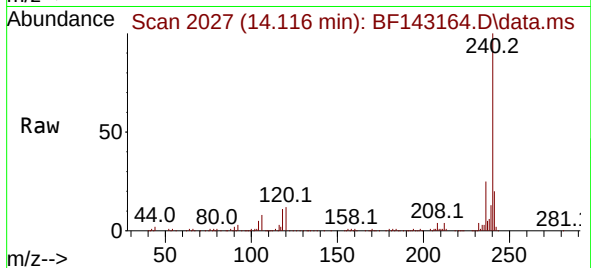
Tgt Ion:240 Resp: 280403

Ion Ratio Lower Upper

240 100

120 12.2 9.4 14.2

236 24.7 20.2 30.4



#79

Terphenyl-d14

Concen: 82.774 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143164.D

Acq: 18 Jul 2025 13:52

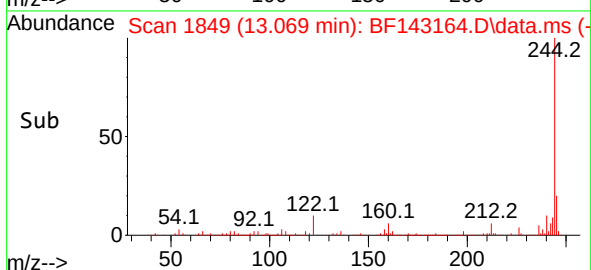
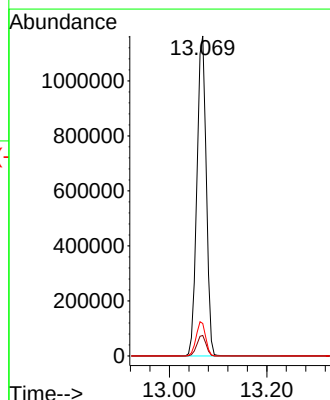
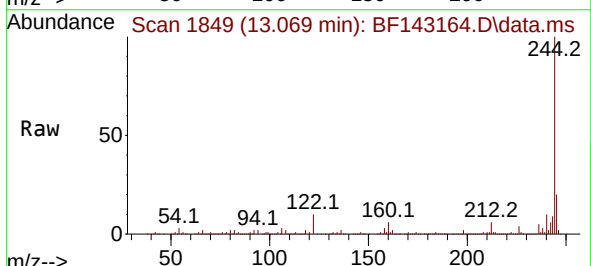
Tgt Ion:244 Resp: 1559712

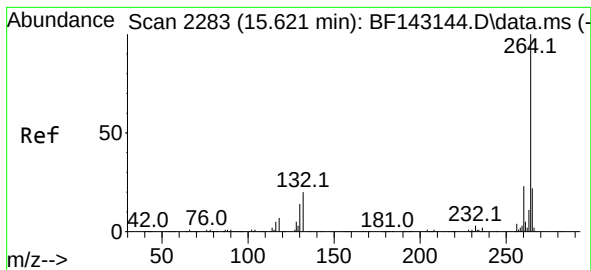
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

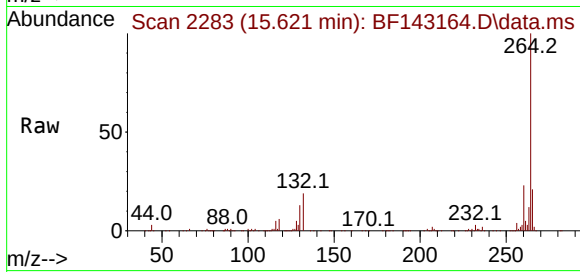
122 10.1 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143164.D
 Acq: 18 Jul 2025 13:52

Instrument :
 BNA_F
 ClientSampleId :
 PB168904BL



Tgt	Ion:264	Resp:	285721
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.4	17.4	26.2

