

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143178.D
 Acq On : 22 Jul 2025 09:15
 Operator : RC/JU
 Sample : PB168929BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168929BL

Quant Time: Jul 22 11:12:51 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)

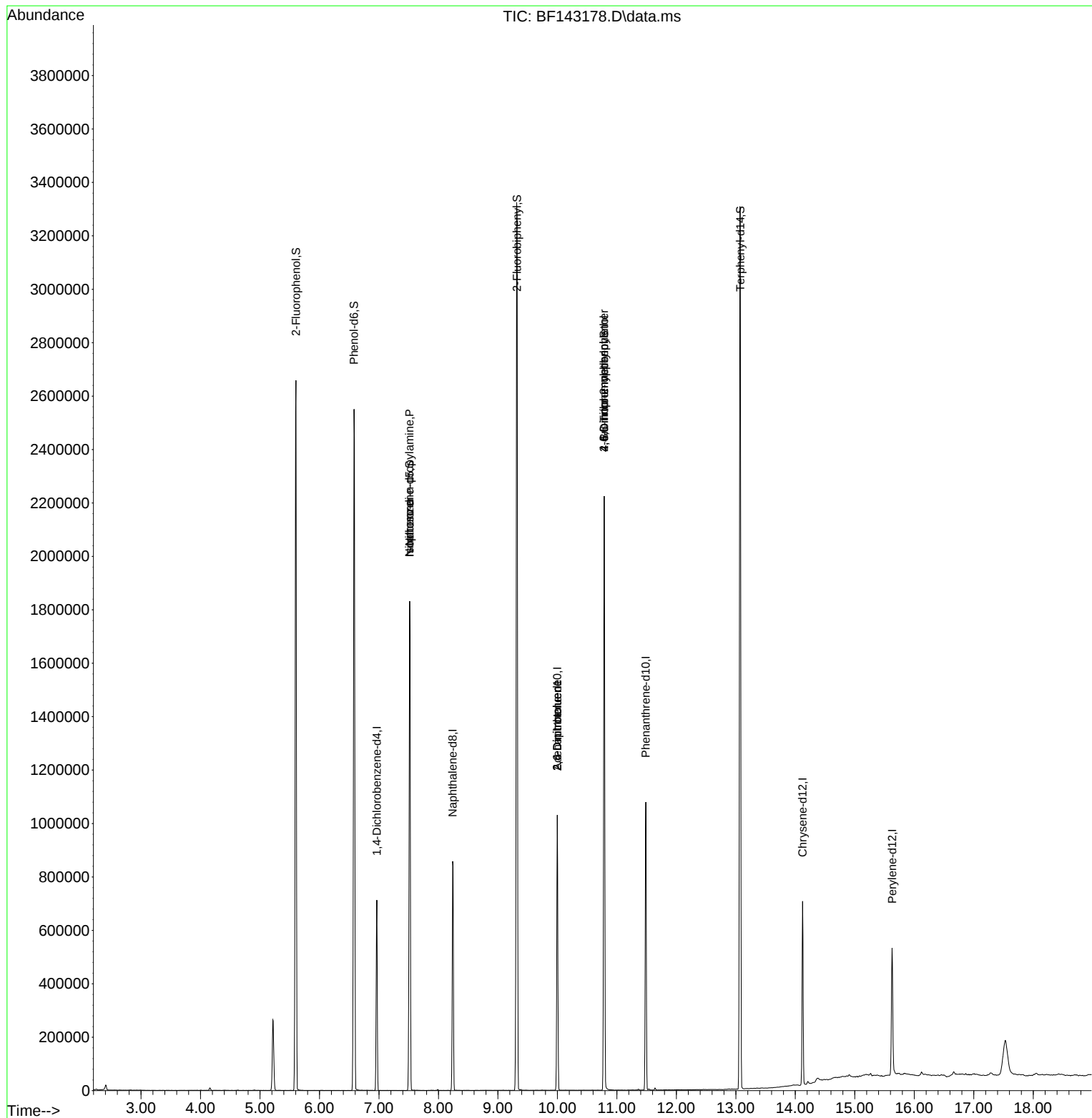
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	144783	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	553185	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	297105	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	537789	20.000	ng	0.00
76) Chrysene-d12	14.121	240	319412	20.000	ng	0.00
86) Perylene-d12	15.627	264	277367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1037560	113.404	ng	0.02
7) Phenol-d6	6.581	99	1297756	112.692	ng	0.00
23) Nitrobenzene-d5	7.516	82	867504	78.170	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	402512	131.143	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1596254	73.478	ng	0.00
79) Terphenyl-d14	13.075	244	1717493	80.016	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	118125	15.988	ng	# 80
25) Isophorone	7.516	82	863642	44.084	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	37139	9.427	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	37139	7.514	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.786	198	690	5.630	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	23781	3.711	ng	# 1

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

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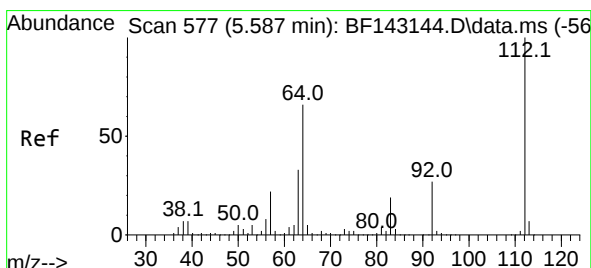
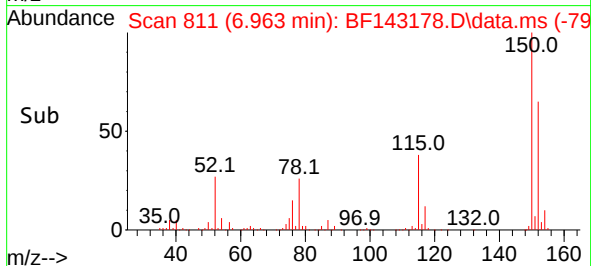
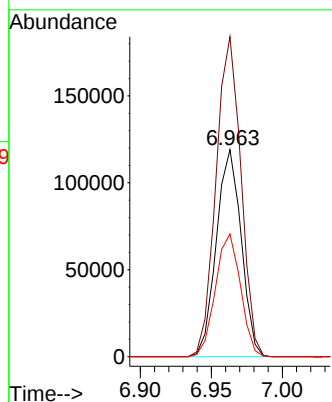
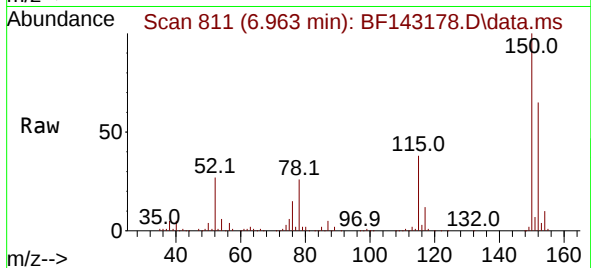




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

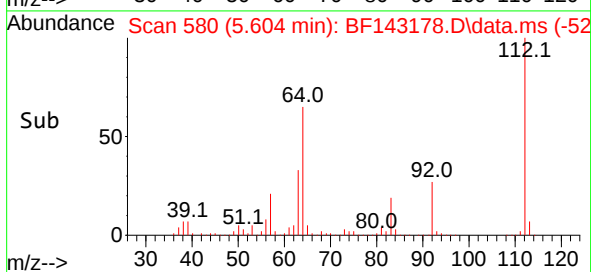
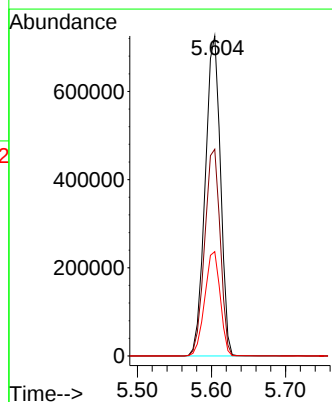
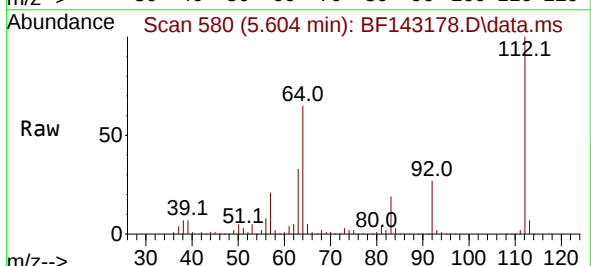
Instrument :
BNA_F
ClientSampleId :
PB168929BL

Tgt Ion:152 Resp: 144783
Ion Ratio Lower Upper
152 100
150 154.6 128.2 192.4
115 59.3 47.9 71.9



#5
2-Fluorophenol
Concen: 113.404 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion:112 Resp: 1037560
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 32.6 26.6 40.0

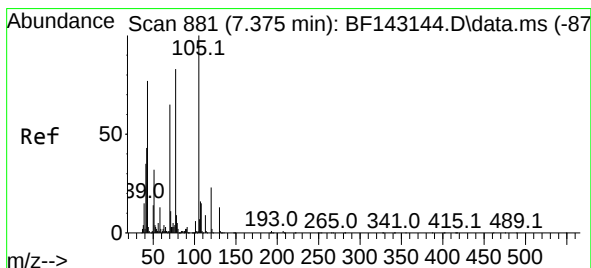
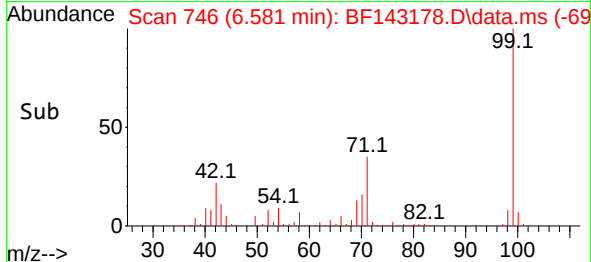
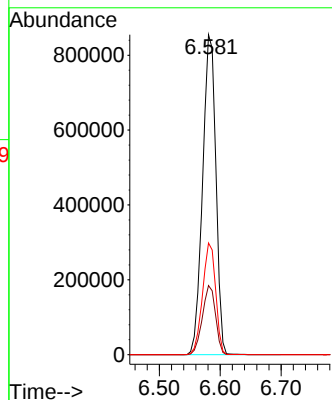
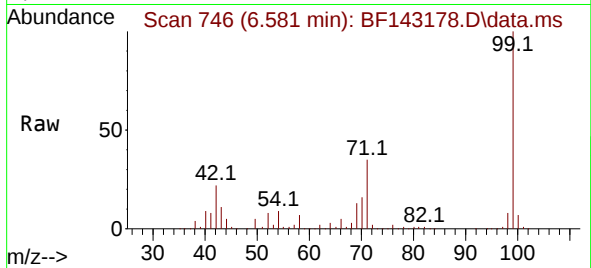




#7
Phenol-d6
Concen: 112.692 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

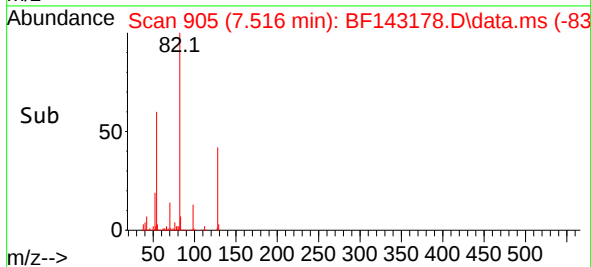
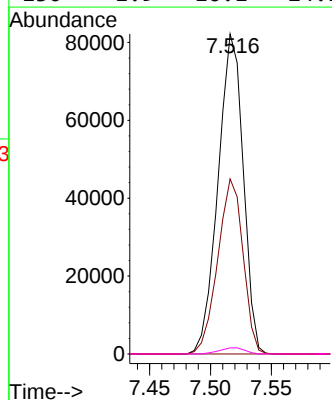
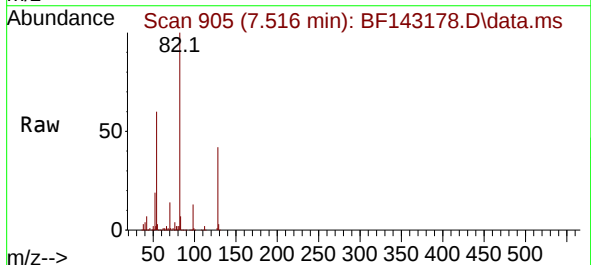
Instrument :
BNA_F
ClientSampleId :
PB168929BL

Tgt Ion: 99 Resp: 1297756
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 34.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.988 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion: 70 Resp: 118125
Ion Ratio Lower Upper
70 100
42 54.7 52.5 78.7
101 0.0 7.6 11.4#
130 1.9 16.1 24.1#

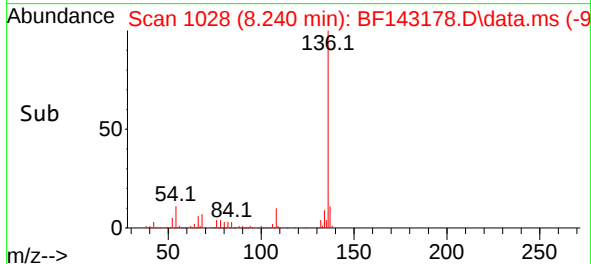
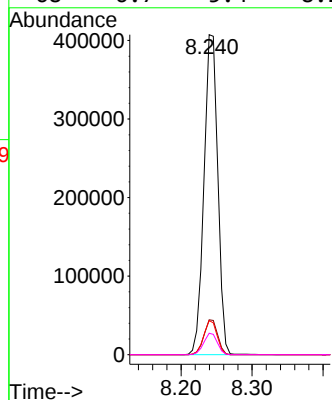
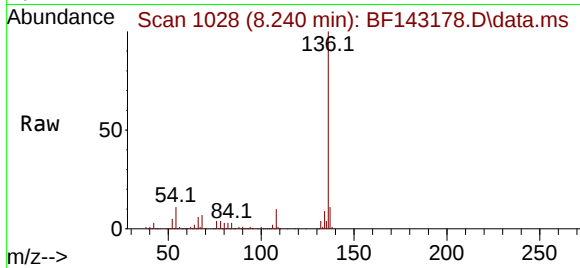




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

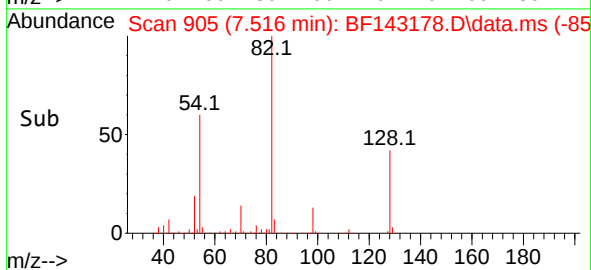
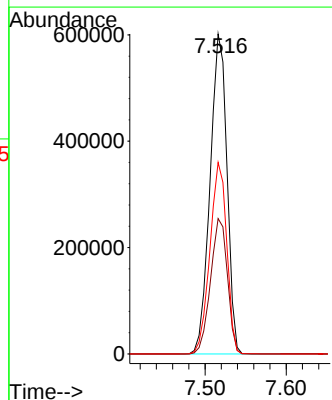
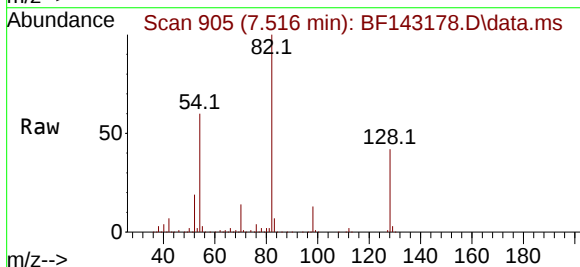
Instrument :
BNA_F
ClientSampleId :
PB168929BL

Tgt Ion:	136	Resp:	553185
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.7	8.2	12.2
68	6.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 78.170 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

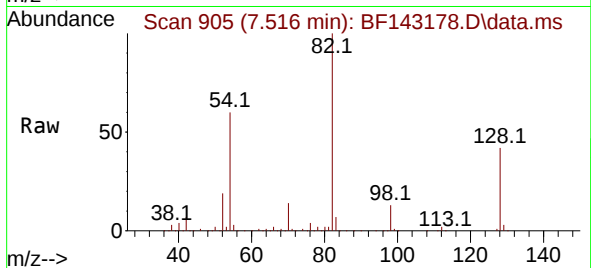
Tgt Ion:	82	Resp:	867504
Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.6	50.4
54	59.8	47.1	70.7



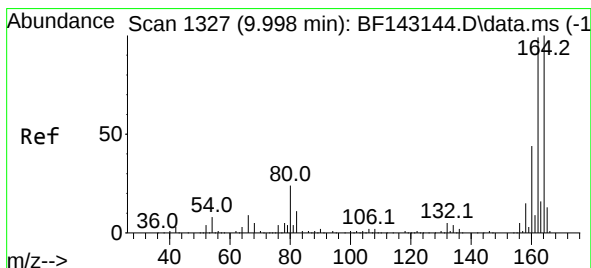
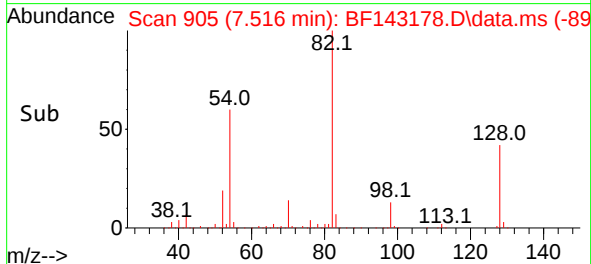
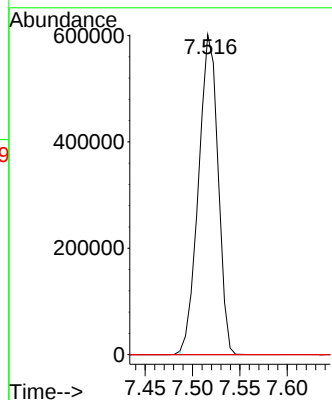


#25
Isophorone
Concen: 44.084 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Instrument :
BNA_F
ClientSampleId :
PB168929BL

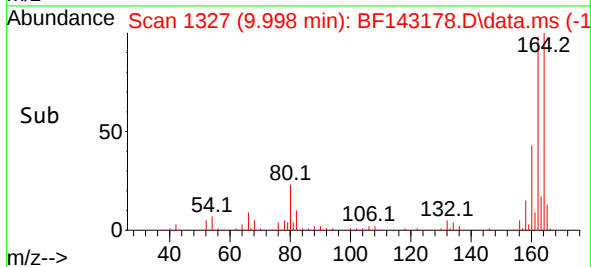
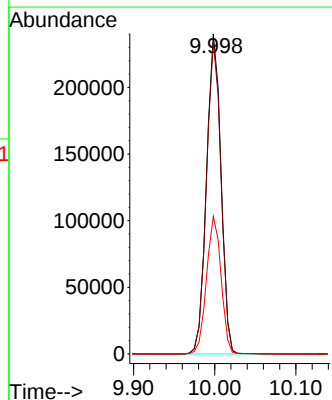
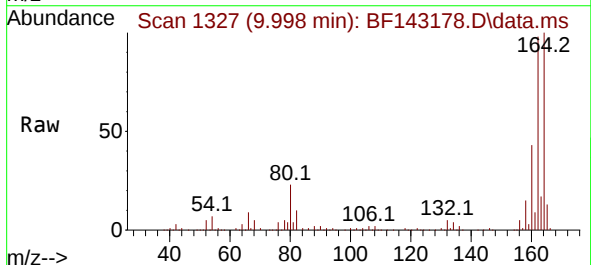


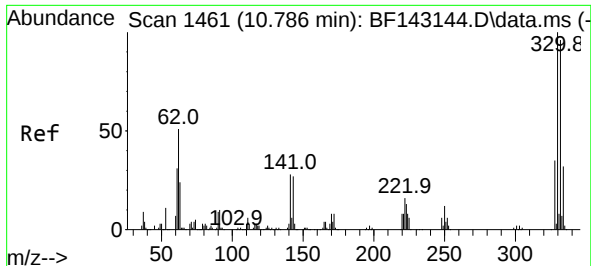
Tgt Ion: 82 Resp: 863642
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion:164 Resp: 297105
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 43.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 131.143 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143178.D

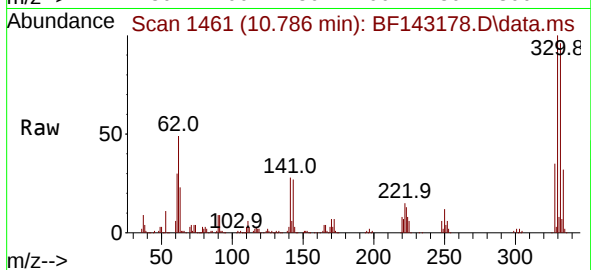
Acq: 22 Jul 2025 09:15

Instrument :

BNA_F

ClientSampleId :

PB168929BL



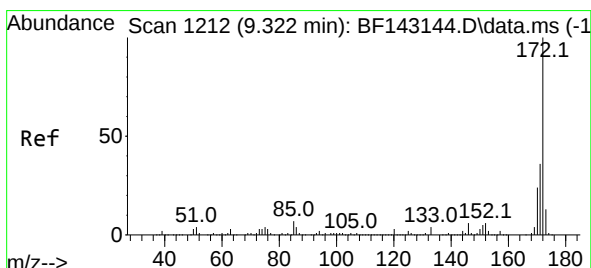
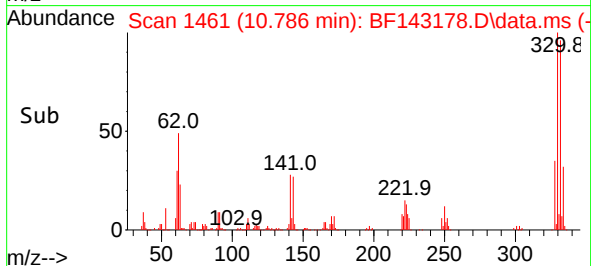
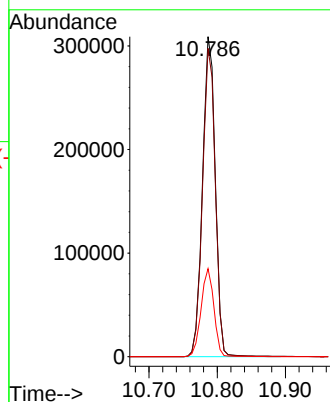
Tgt Ion:330 Resp: 402512

Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 27.6 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 73.478 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143178.D

Acq: 22 Jul 2025 09:15

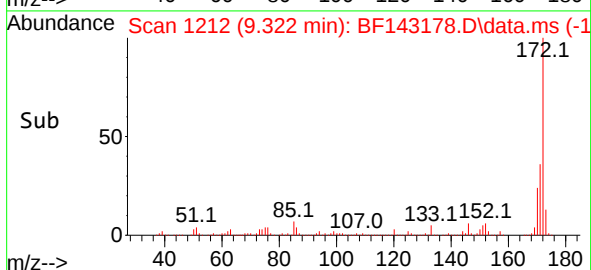
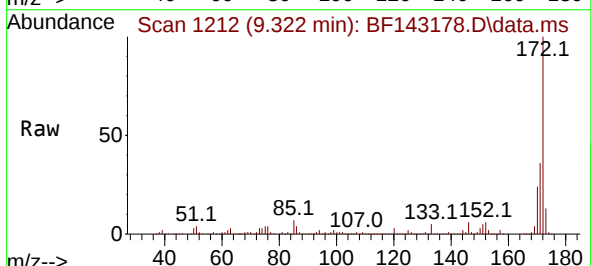
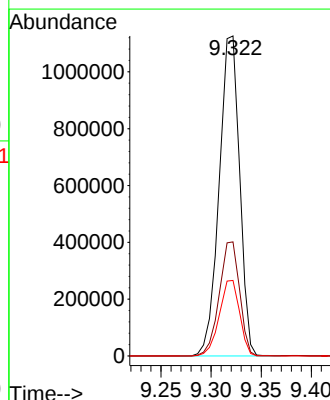
Tgt Ion:172 Resp: 1596254

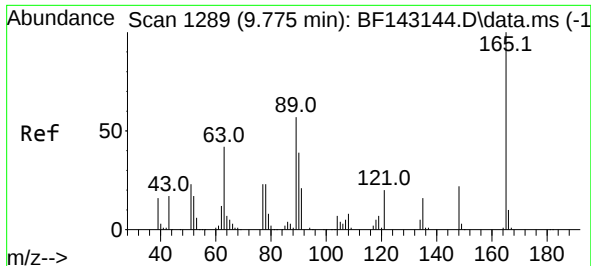
Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.6 18.8 28.2

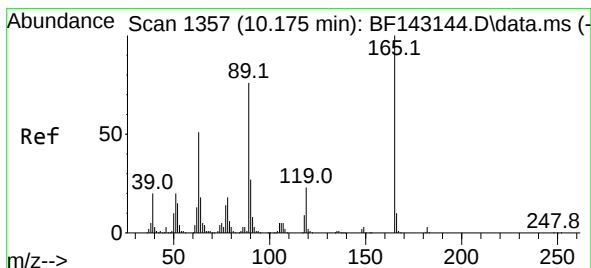
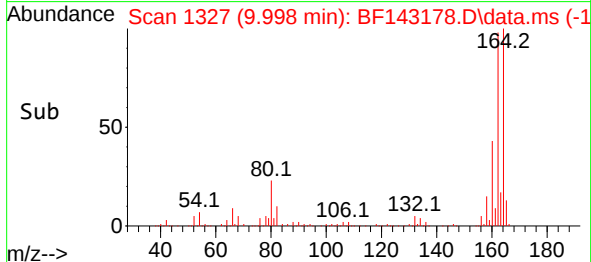
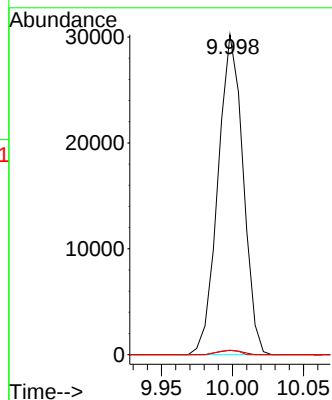
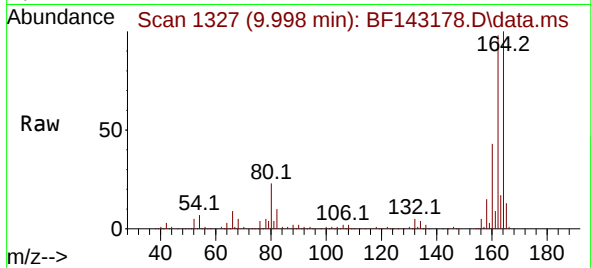




#51
2,6-Dinitrotoluene
Concen: 9.427 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

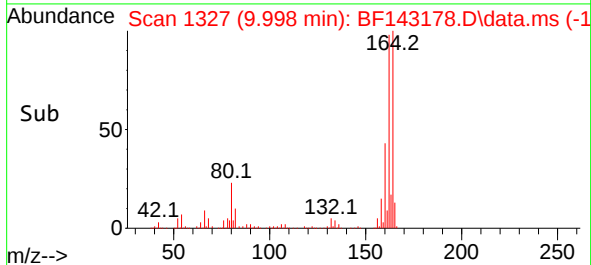
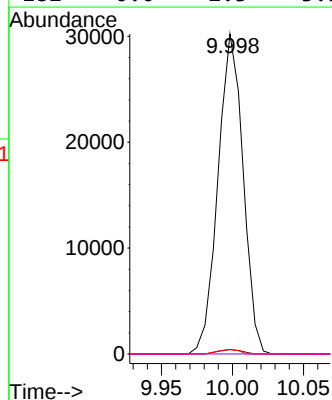
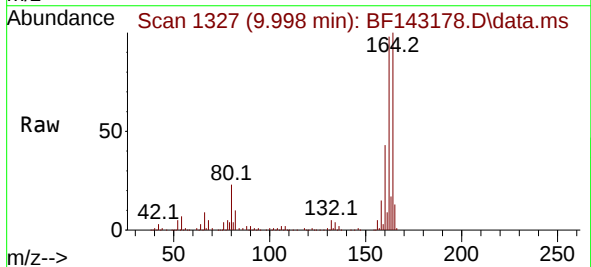
Instrument :
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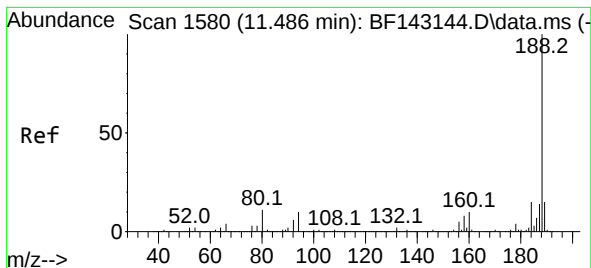
Tgt Ion:165 Resp: 37139
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.2#
89 1.4 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.514 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion:165 Resp: 37139
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.4#
89 1.4 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: BF143178.D

Acq: 22 Jul 2025 09:15

Instrument :

BNA_F

ClientSampleId :

PB168929BL

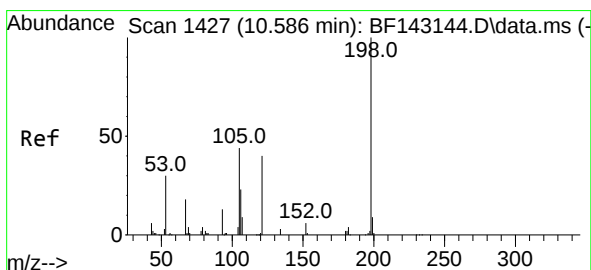
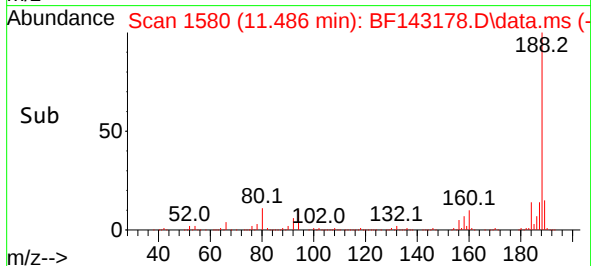
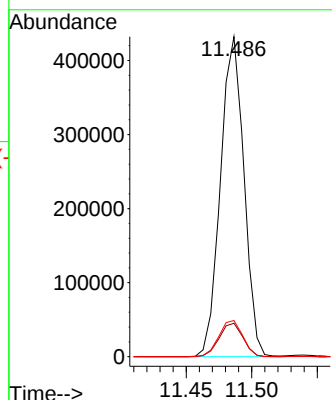
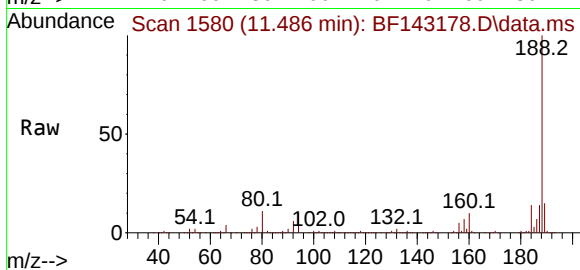
Tgt Ion:188 Resp: 537789

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.3 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.630 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143178.D

Acq: 22 Jul 2025 09:15

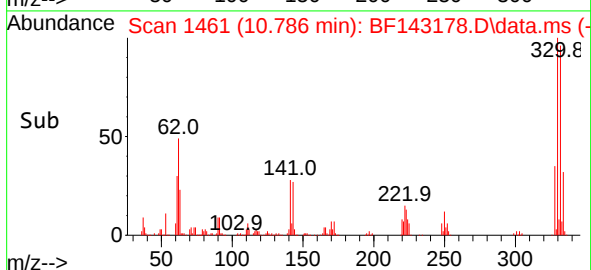
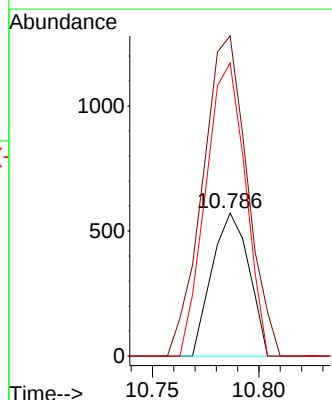
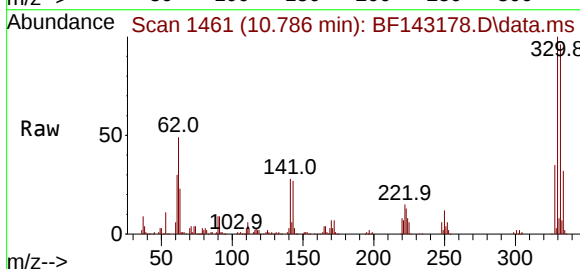
Tgt Ion:198 Resp: 690

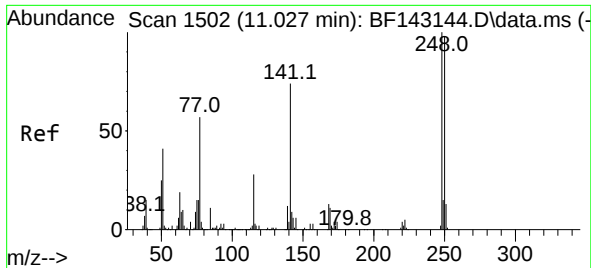
Ion Ratio Lower Upper

198 100

51 223.8 37.2 77.2#

105 204.9 24.8 64.8#

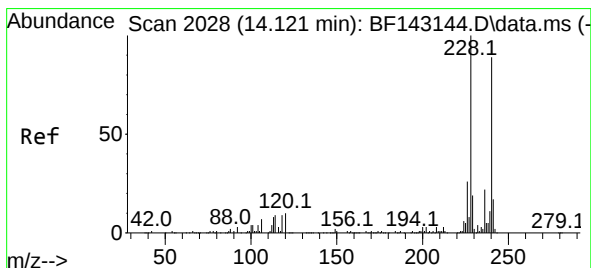
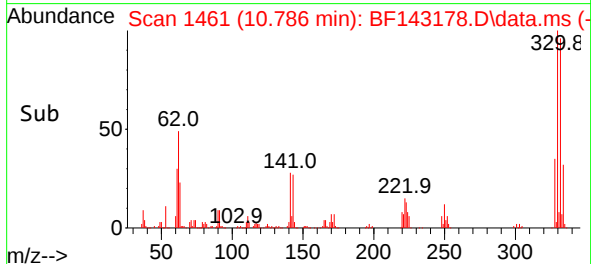
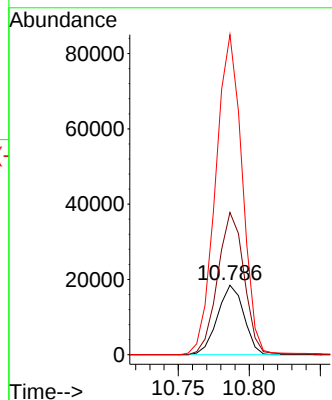
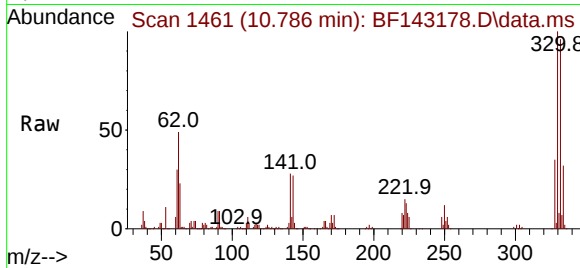




#67
4-Bromophenyl-phenylether
Concen: 3.711 ng
RT: 10.786 min Scan# 141
Delta R.T. -0.241 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

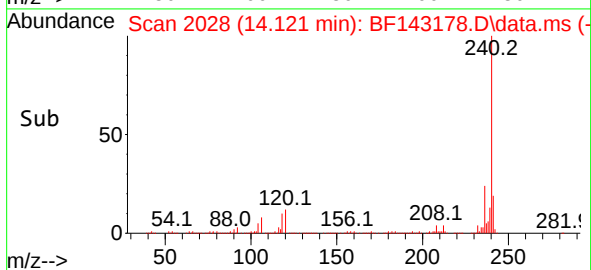
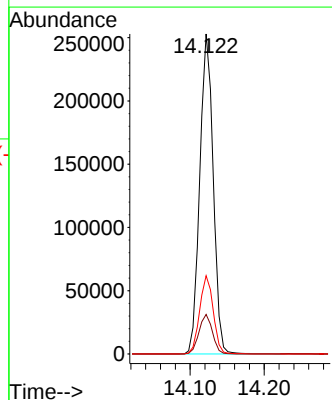
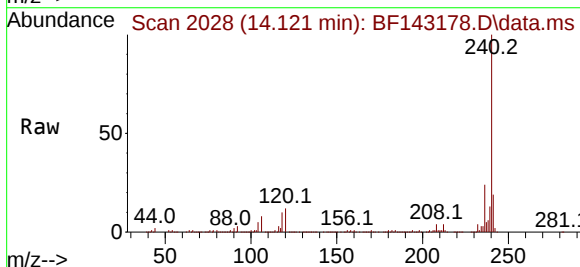
Instrument :
BNA_F
ClientSampleId :
PB168929BL

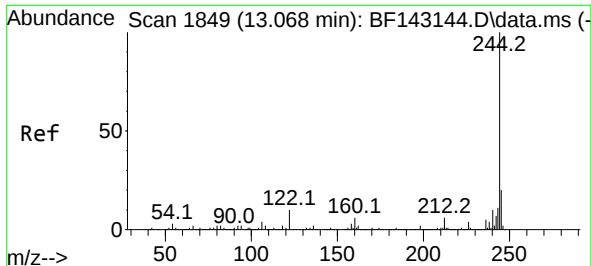
Tgt Ion:248 Resp: 23781
Ion Ratio Lower Upper
248 100
250 205.0 78.3 117.5#
141 460.9 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

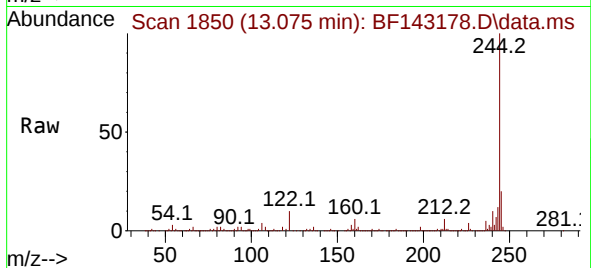
Tgt Ion:240 Resp: 319412
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 24.5 20.2 30.4



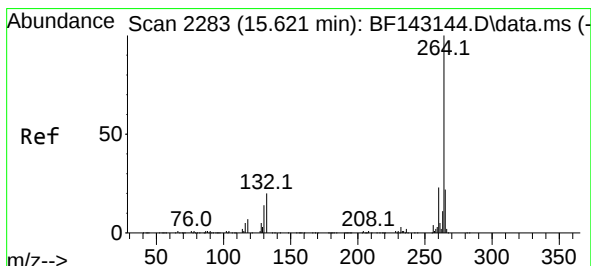
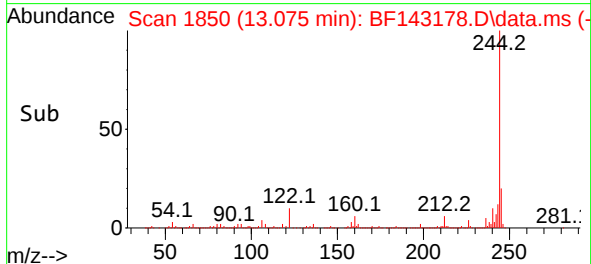
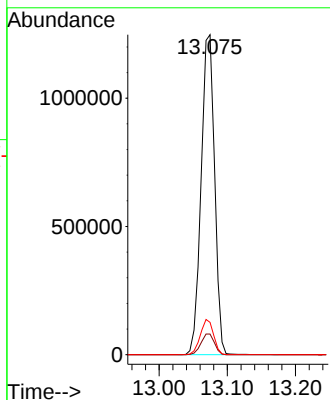


#79
 Terphenyl-d14
 Concen: 80.016 ng
 RT: 13.075 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: BF143178.D
 Acq: 22 Jul 2025 09:15

Instrument :
 BNA_F
 ClientSampleId :
 PB168929BL



Tgt Ion:244 Resp: 1717493
 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: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143178.D
 Acq: 22 Jul 2025 09:15

Tgt Ion:264 Resp: 277367
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.5 17.4 26.2

