

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142138.D
 Acq On : 27 Mar 2025 21:41
 Operator : RC/JU
 Sample : Q1648-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Mar 28 01:57:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

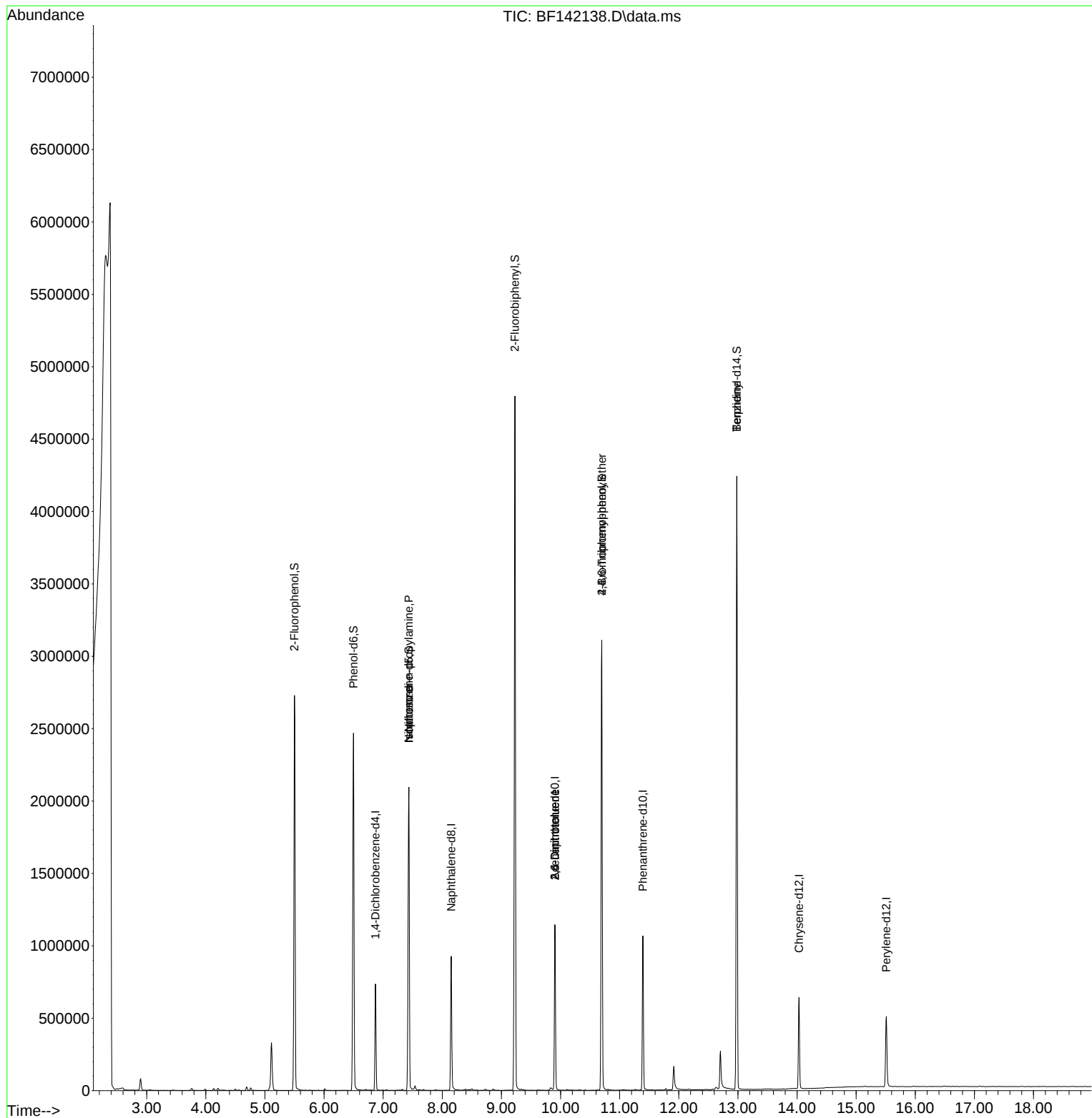
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	156414	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	619327	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	346437	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	544343	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	325817	20.000	ng	0.00
86) Perylene-d12	15.510	264	311989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1127531	120.309	ng	0.00
7) Phenol-d6	6.498	99	1284742	107.667	ng	0.00
23) Nitrobenzene-d5	7.434	82	1034049	93.960	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	625401	142.298	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2191922	96.222	ng	-0.01
79) Terphenyl-d14	12.980	244	2084953	94.609	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	143165	18.672	ng	# 77
25) Isophorone	7.434	82	1021842	52.528	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	44130	8.737	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	44131	6.689	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	37948	5.551	ng	# 1
77) Benzidine	12.980	184	29132	6.409	ng	# 94

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

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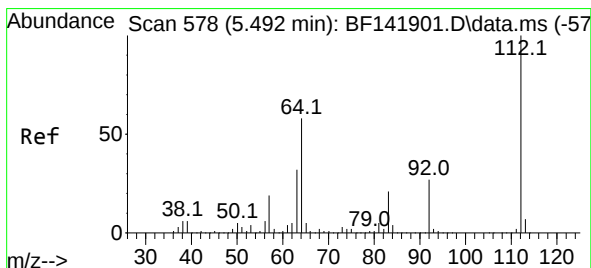
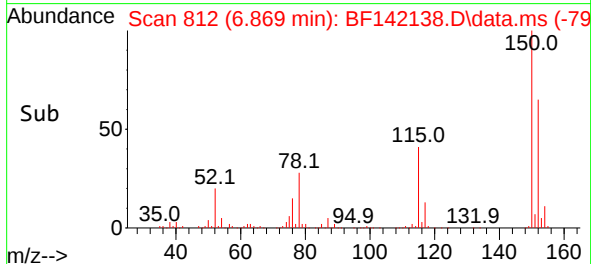
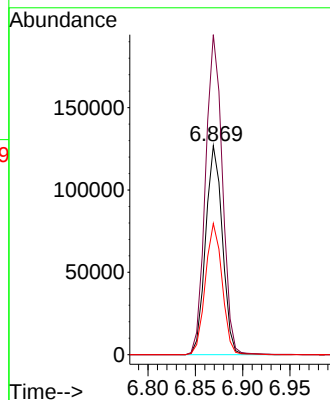
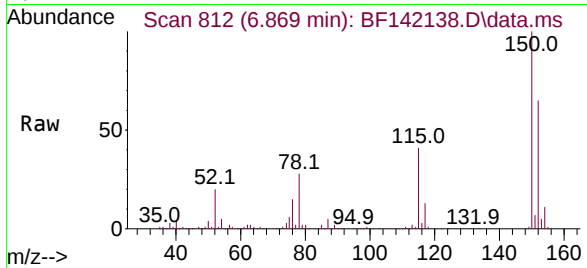




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

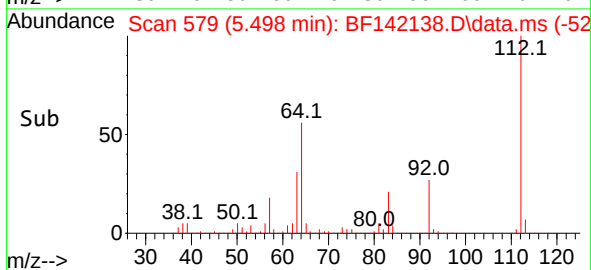
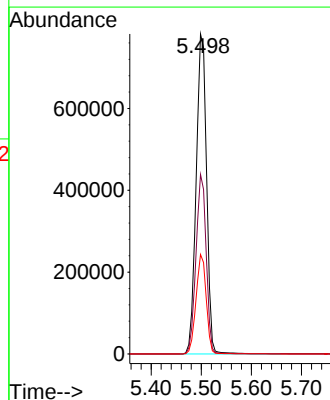
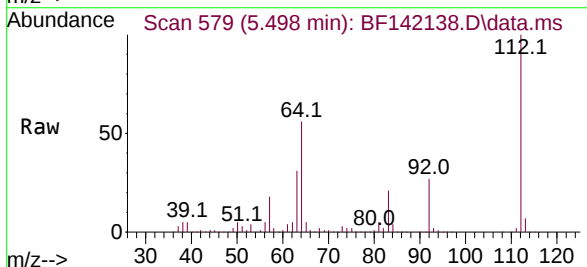
Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 156414
Ion Ratio Lower Upper
152 100
150 153.2 127.4 191.2
115 62.8 51.9 77.9



#5
2-Fluorophenol
Concen: 120.309 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Tgt Ion:112 Resp: 1127531
Ion Ratio Lower Upper
112 100
64 56.1 46.5 69.7
63 31.1 25.4 38.2



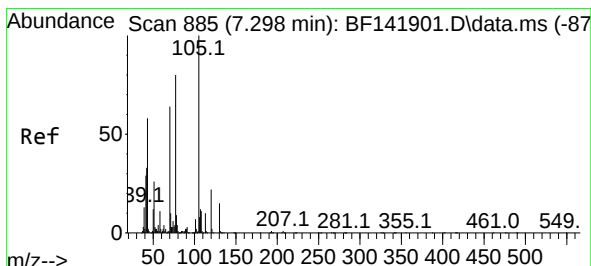
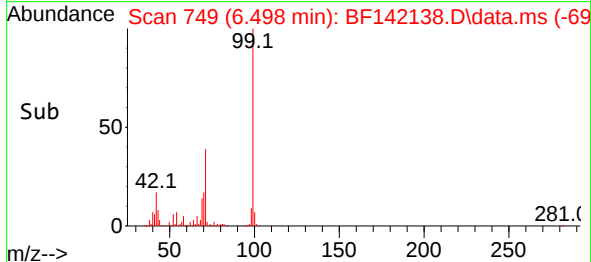
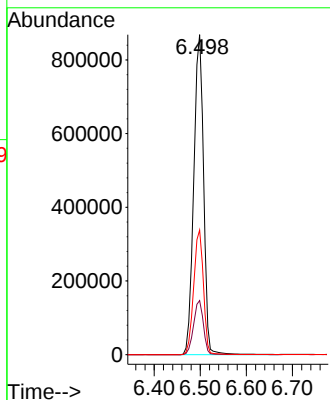
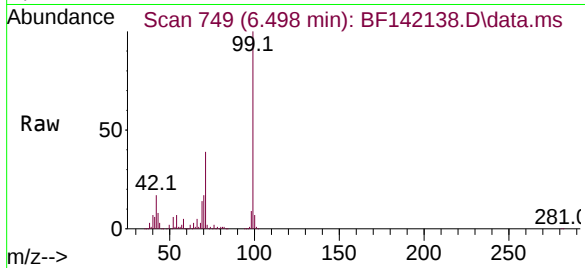


#7
Phenol-d6
Concen: 107.667 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion: 99 Resp: 1284742

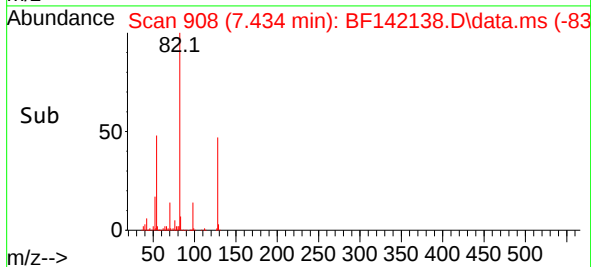
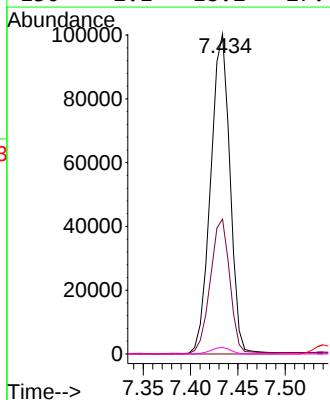
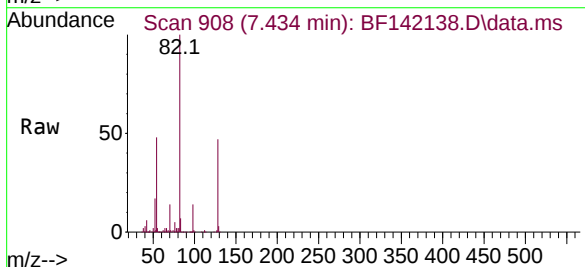
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	39.0	30.8	46.2

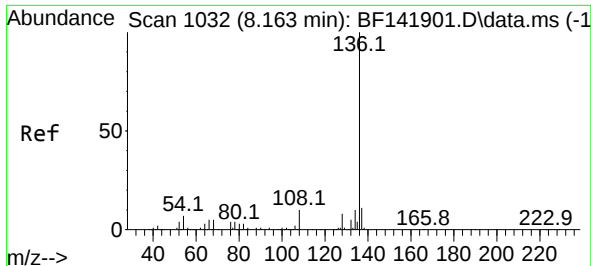


#19
n-Nitroso-di-n-propylamine
Concen: 18.672 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Tgt Ion: 70 Resp: 143165

Ion	Ratio	Lower	Upper
70	100		
42	42.2	41.4	62.0
101	0.0	8.2	12.2#
130	2.1	18.2	27.4#



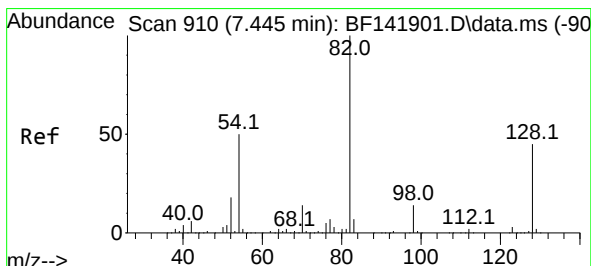
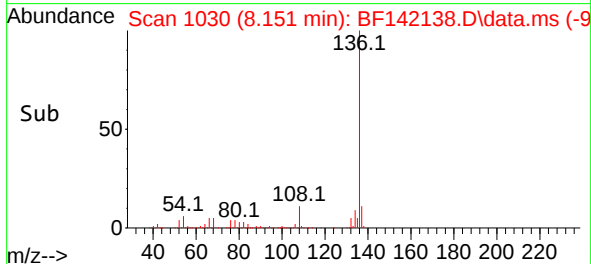
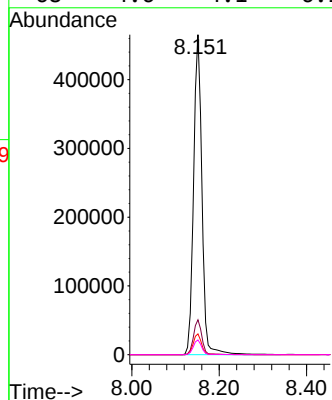
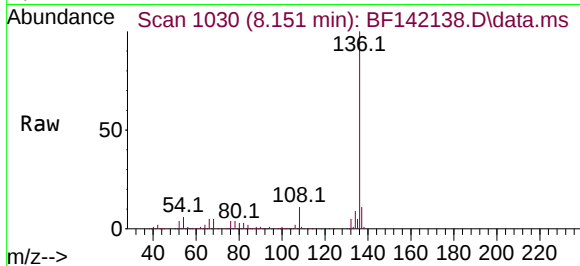


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:136 Resp: 619327

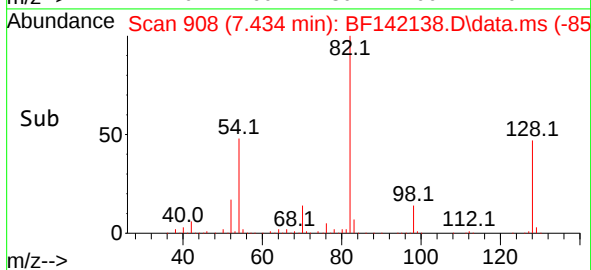
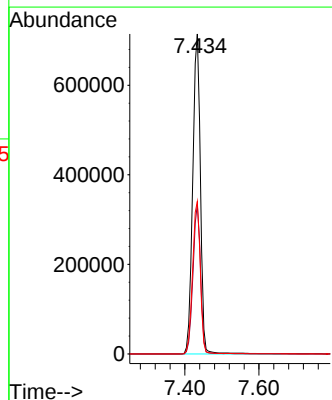
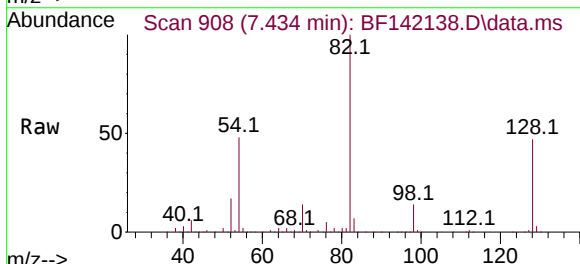
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 93.960 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Tgt Ion: 82 Resp: 1034049

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.0	54.0
54	47.7	39.6	59.4

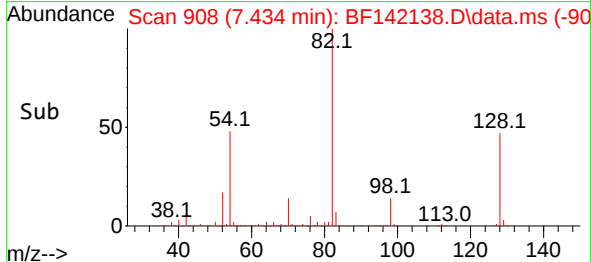
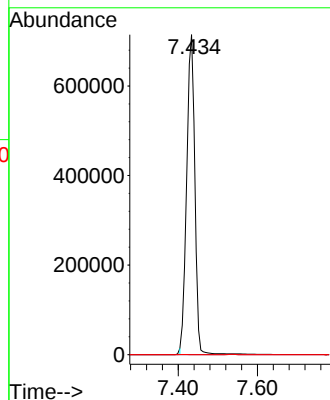
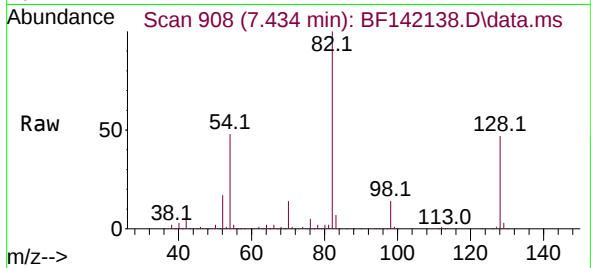




#25
Isophorone
Concen: 52.528 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

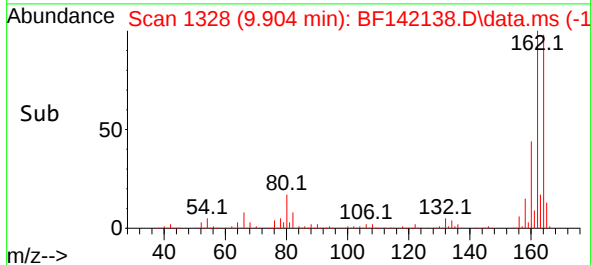
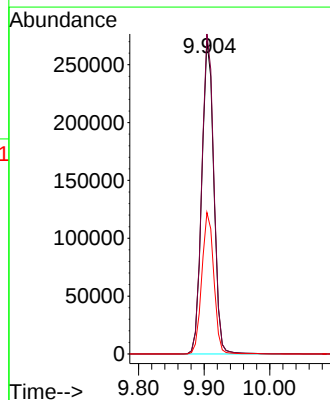
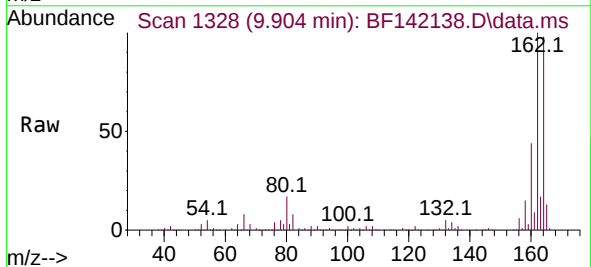
Instrument :
BNA_F
ClientSampleId :
TP-6

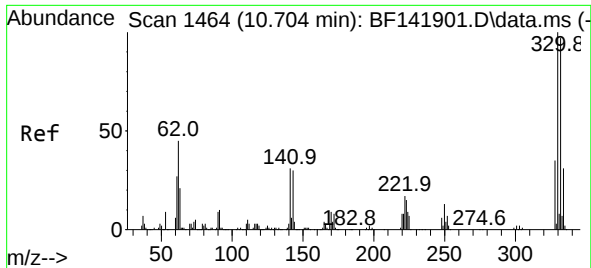
Tgt Ion: 82 Resp: 1021842
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Tgt Ion: 164 Resp: 346437
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 45.2 36.7 55.1

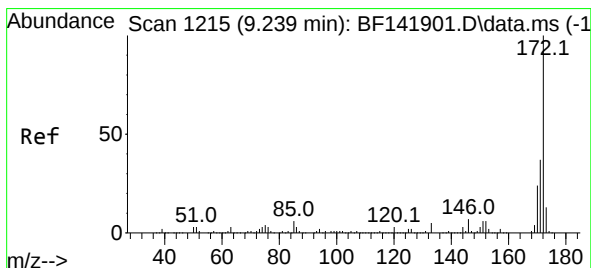
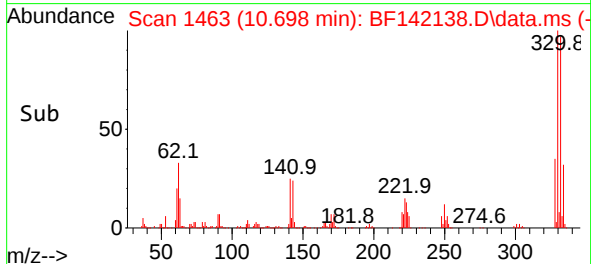
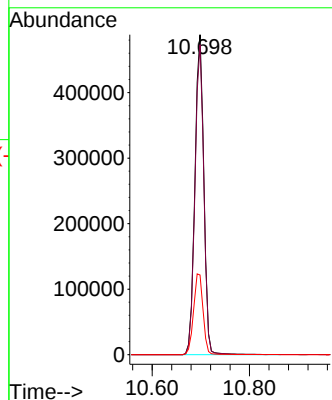
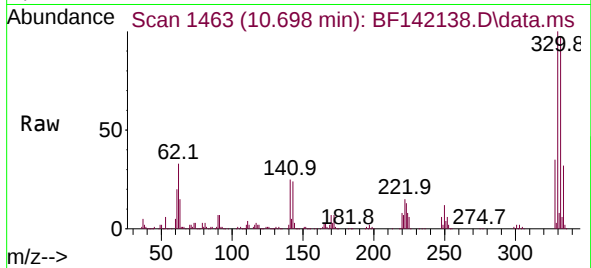




#42
 2,4,6-Tribromophenol
 Concen: 142.298 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142138.D
 Acq: 27 Mar 2025 21:41

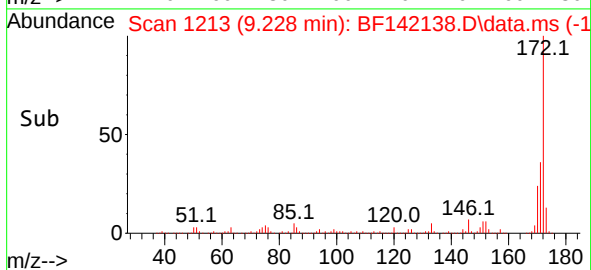
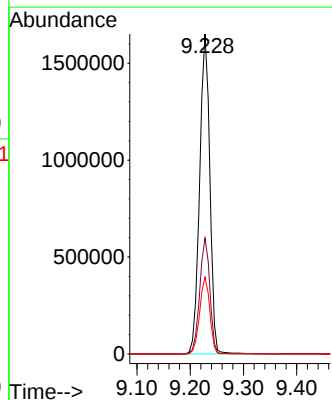
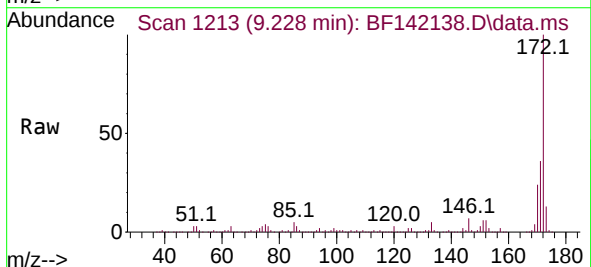
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion: 330 Resp: 625401
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.6 116.4
 141 26.9 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 96.222 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142138.D
 Acq: 27 Mar 2025 21:41

Tgt Ion: 172 Resp: 2191922
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 24.0 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.737 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF142138.D

Acq: 27 Mar 2025 21:41

Instrument :

BNA_F

ClientSampleId :

TP-6

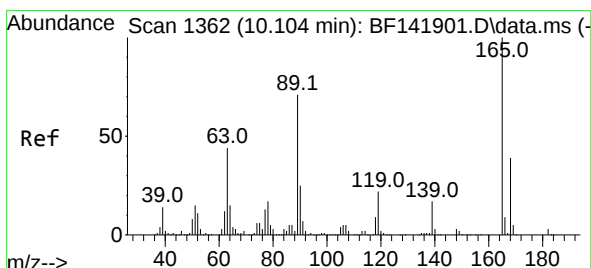
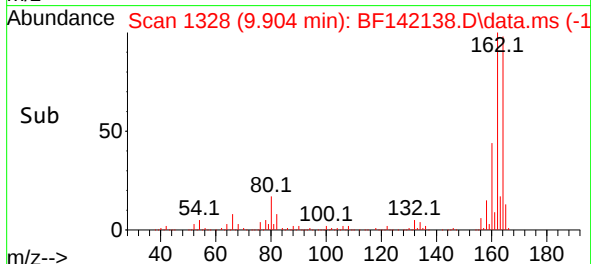
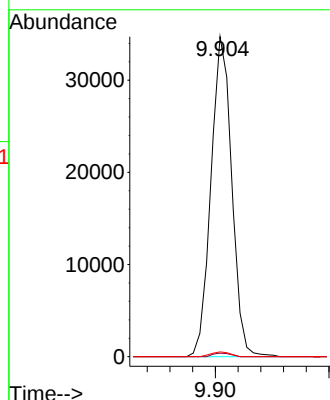
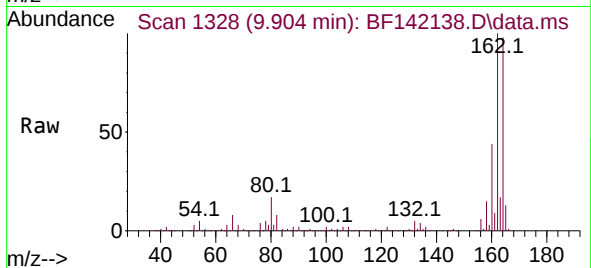
Tgt Ion:165 Resp: 44130

Ion Ratio Lower Upper

165 100

63 1.1 47.0 70.4#

89 1.5 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.689 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF142138.D

Acq: 27 Mar 2025 21:41

Tgt Ion:165 Resp: 44131

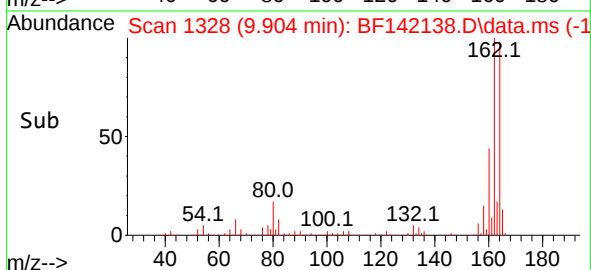
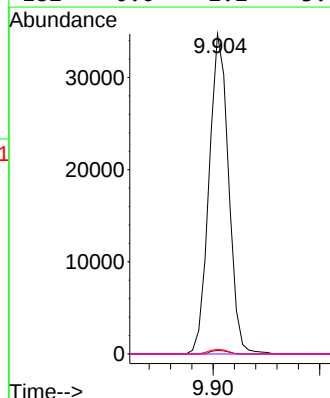
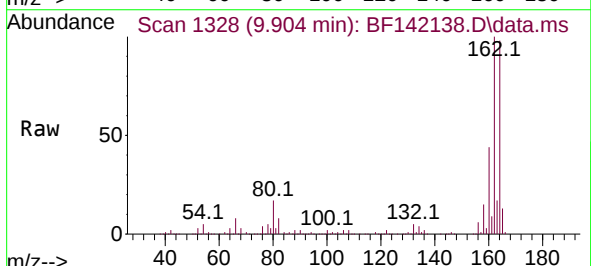
Ion Ratio Lower Upper

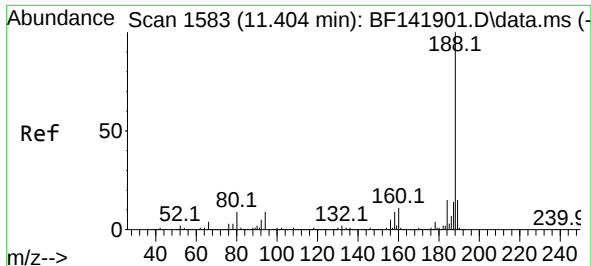
165 100

63 1.1 35.4 53.2#

89 1.5 56.6 84.8#

182 0.0 2.2 3.4#

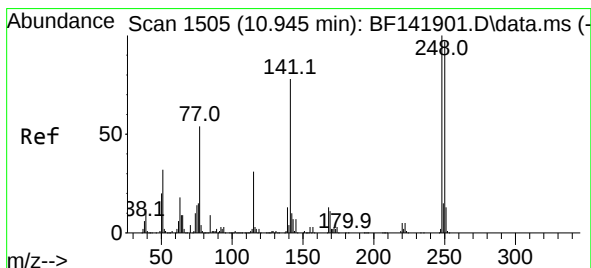
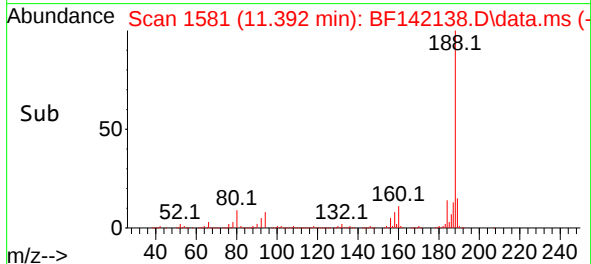
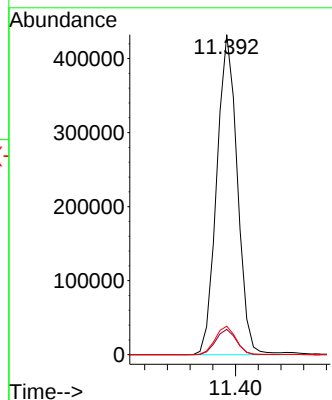
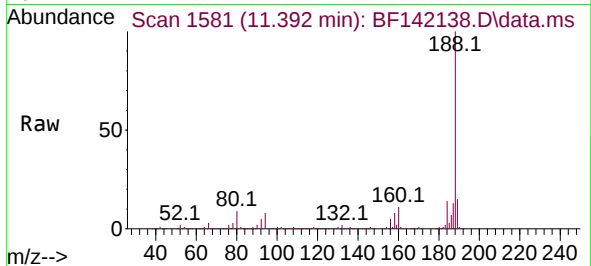




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

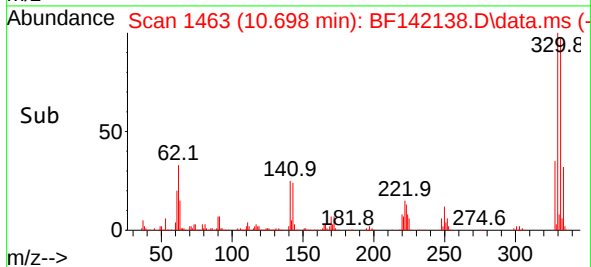
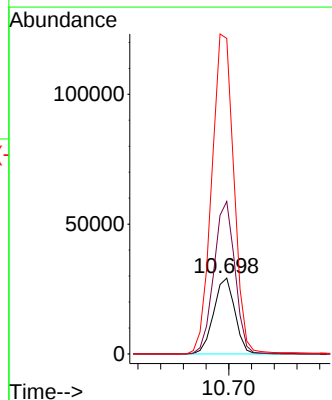
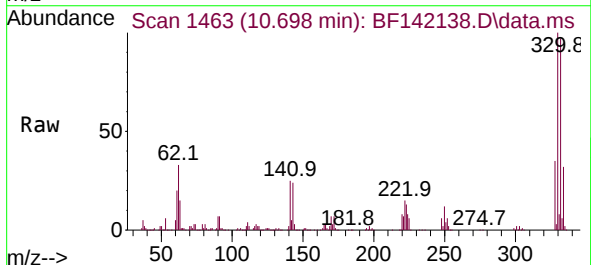
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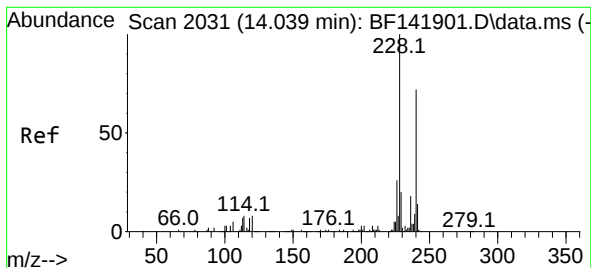
Tgt Ion:188 Resp: 544343
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.9 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.551 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Tgt Ion:248 Resp: 37948
Ion Ratio Lower Upper
248 100
250 201.1 77.8 116.8#
141 416.1 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142138.D

Acq: 27 Mar 2025 21:41

Instrument :

BNA_F

ClientSampleId :

TP-6

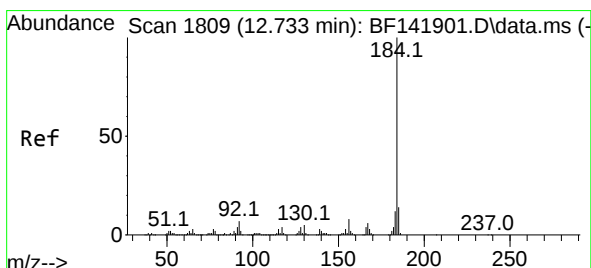
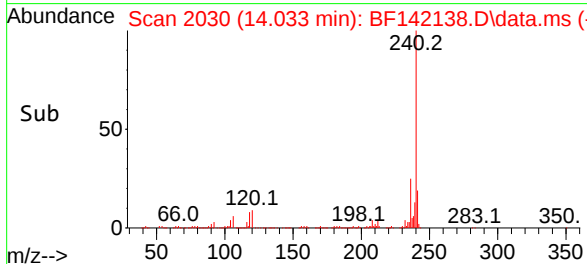
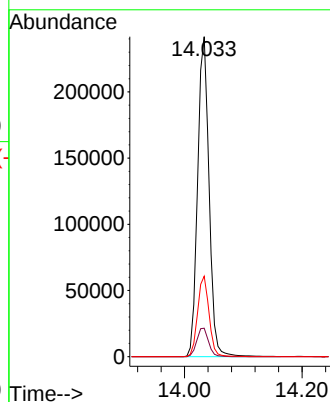
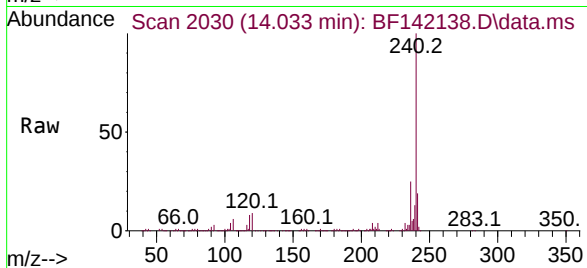
Tgt Ion:240 Resp: 325817

Ion Ratio Lower Upper

240 100

120 8.9 8.4 12.6

236 25.2 20.5 30.7



#77

Benidine

Concen: 6.409 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142138.D

Acq: 27 Mar 2025 21:41

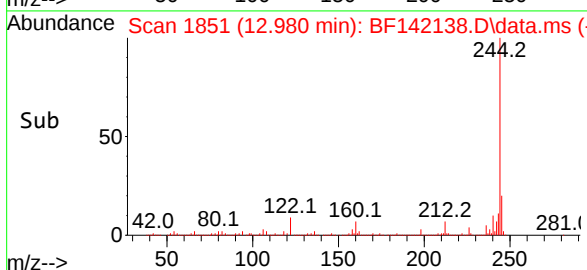
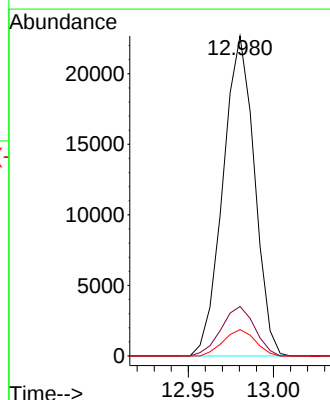
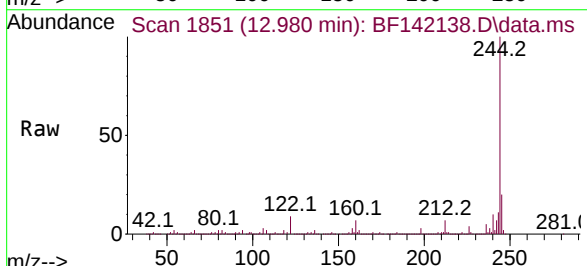
Tgt Ion:184 Resp: 29132

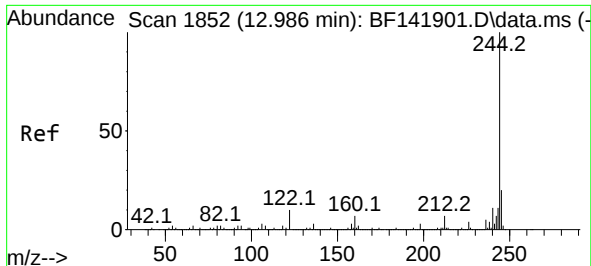
Ion Ratio Lower Upper

184 100

185 15.5 11.5 17.3

183 8.3 9.7 14.5#

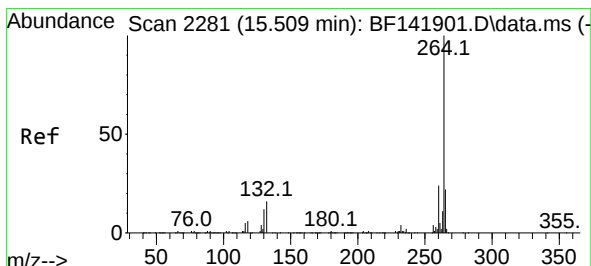
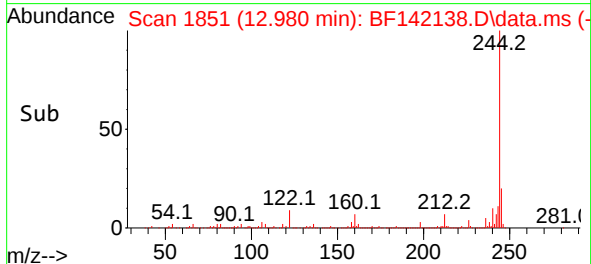
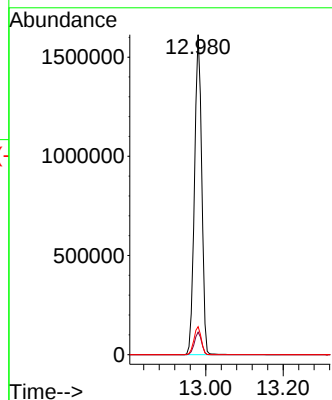
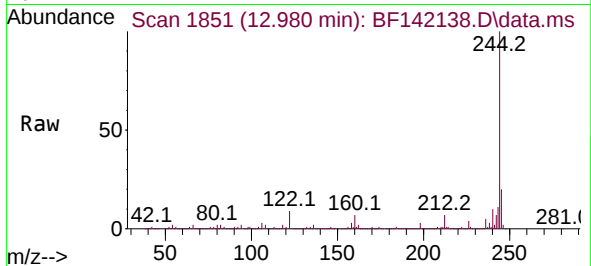




#79
Terphenyl-d14
Concen: 94.609 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:244 Resp: 2084953
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.8 7.7 11.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142138.D
Acq: 27 Mar 2025 21:41

Tgt Ion:264 Resp: 311989
Ion Ratio Lower Upper
264 100
260 22.9 19.1 28.7
265 21.3 17.5 26.3

