

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143460.D
 Acq On : 19 Aug 2025 16:58
 Operator : RC/JU
 Sample : Q2888-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Quant Time: Aug 19 17:24:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

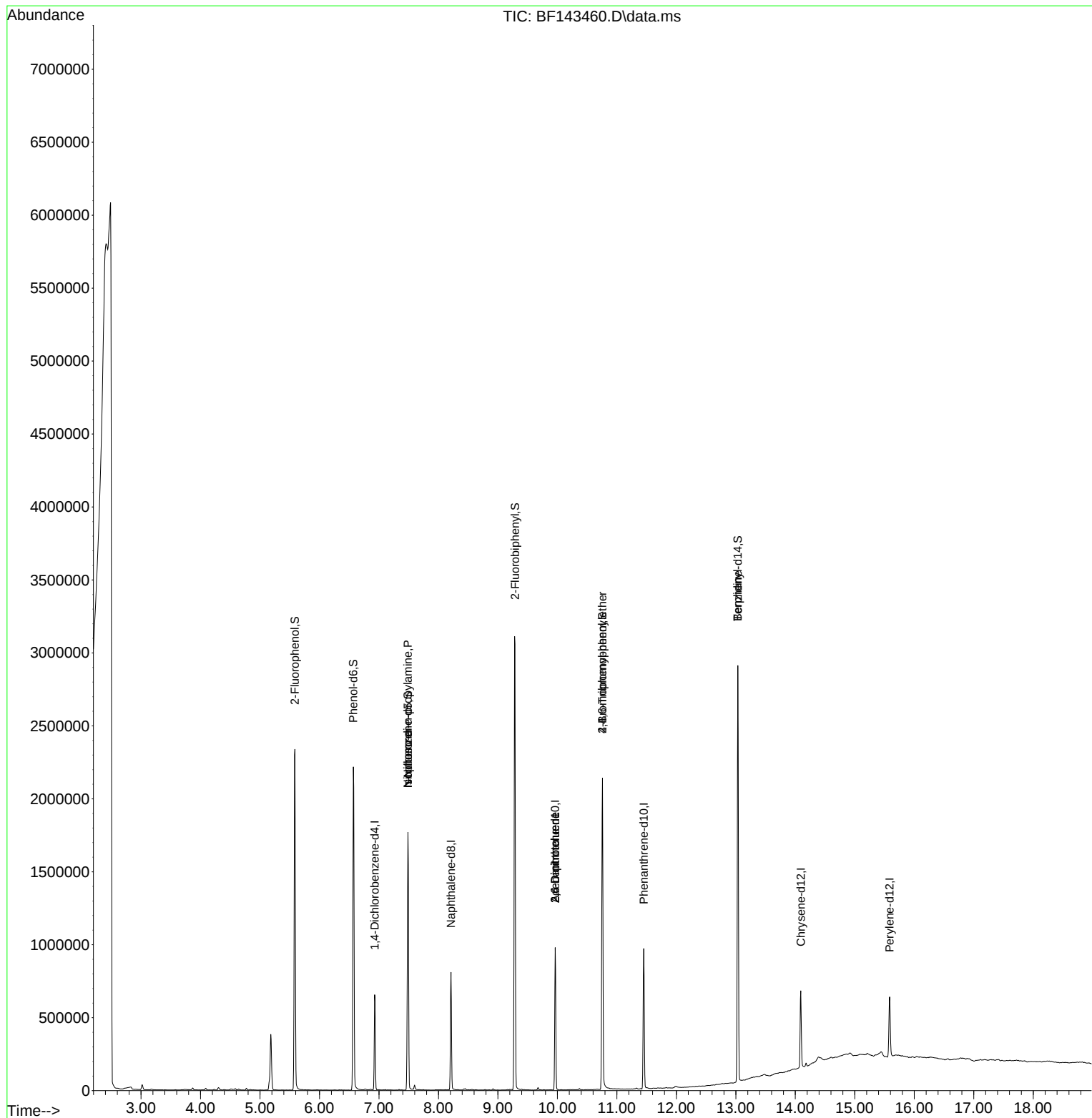
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	138508	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	506924	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	290732	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	478241	20.000	ng	0.00
76) Chrysene-d12	14.092	240	269638	20.000	ng	0.00
86) Perylene-d12	15.586	264	265582	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	877862	110.175	ng	0.03
7) Phenol-d6	6.569	99	1049676	104.535	ng	0.01
23) Nitrobenzene-d5	7.487	82	808998	94.699	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	401312	155.082	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1463822	84.687	ng	0.00
79) Terphenyl-d14	13.033	244	1410844	87.896	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	109527	17.619	ng	# 78
25) Isophorone	7.487	82	802163	49.061	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	37841	10.590	ng	# 24
57) 2,4-Dinitrotoluene	9.963	165	37841	7.943	ng	# 24
67) 4-Bromophenyl-phenylether	10.757	248	26831	4.751	ng	# 1
77) Benzidine	13.033	184	17815	2.213	ng	# 93

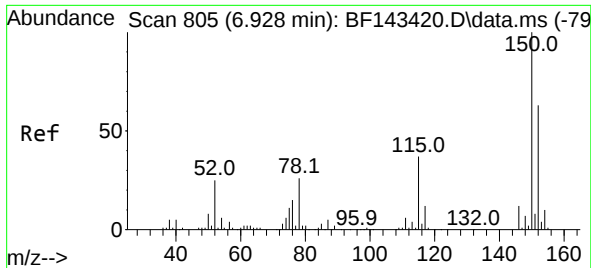
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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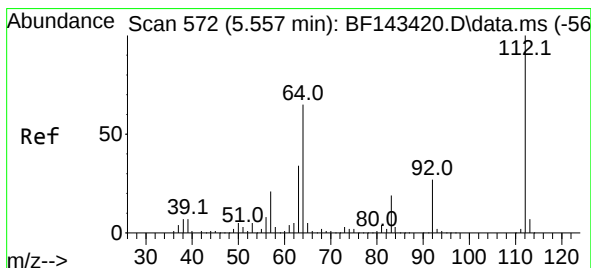
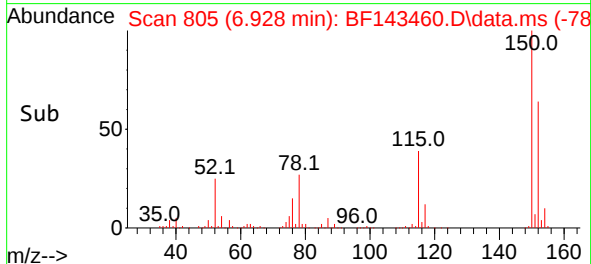
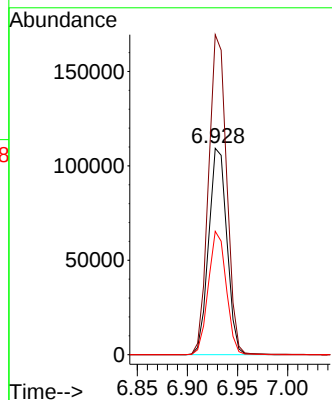
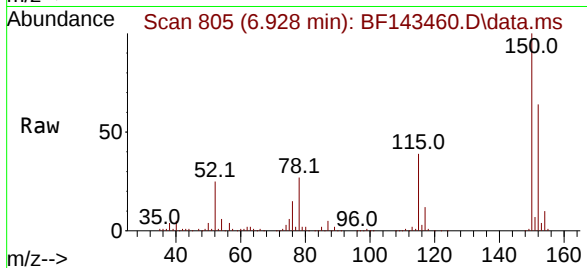




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143460.D
 Acq: 19 Aug 2025 16:58

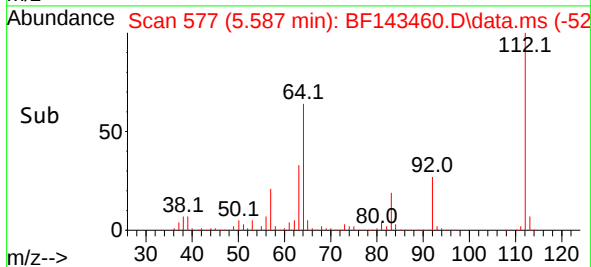
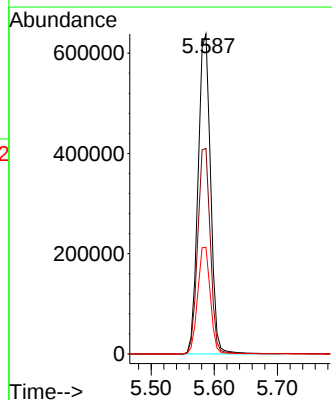
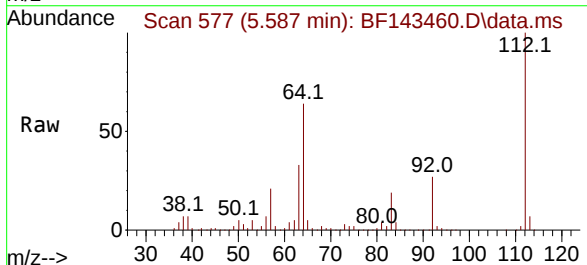
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

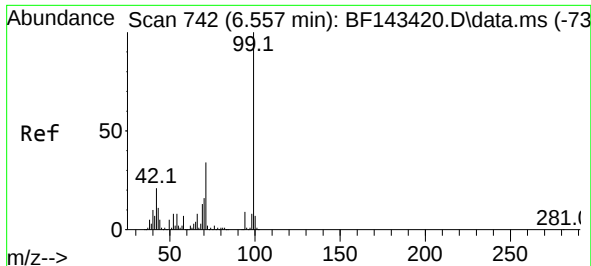
Tgt Ion:152 Resp: 138508
 Ion Ratio Lower Upper
 152 100
 150 155.1 127.4 191.2
 115 59.8 47.5 71.3



#5
 2-Fluorophenol
 Concen: 110.175 ng
 RT: 5.587 min Scan# 577
 Delta R.T. 0.029 min
 Lab File: BF143460.D
 Acq: 19 Aug 2025 16:58

Tgt Ion:112 Resp: 877862
 Ion Ratio Lower Upper
 112 100
 64 64.2 52.2 78.2
 63 33.3 27.0 40.6



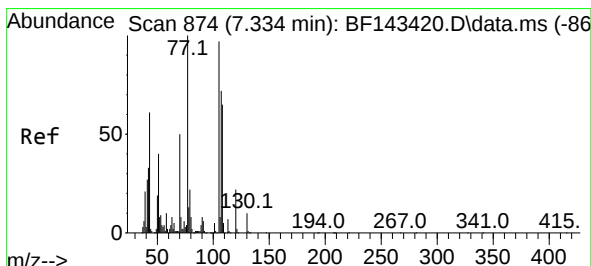
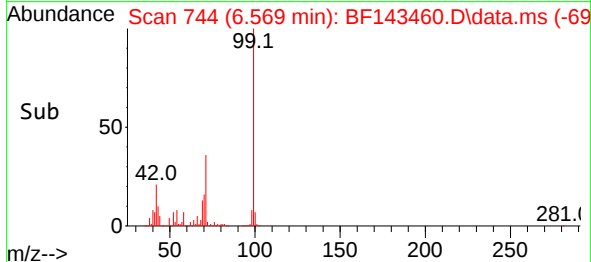
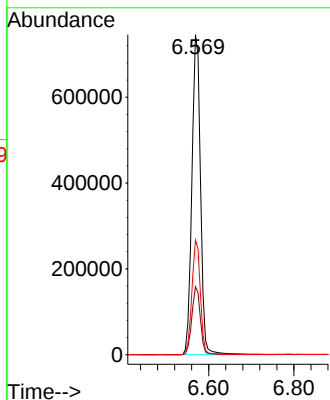
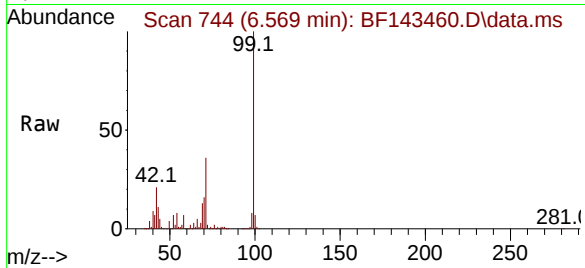


#7
Phenol-d6
Concen: 104.535 ng
RT: 6.569 min Scan# 742
Delta R.T. 0.012 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

Instrument :
BNA_F
ClientSampleId :
VNJ-210

Tgt Ion: 99 Resp: 1049676

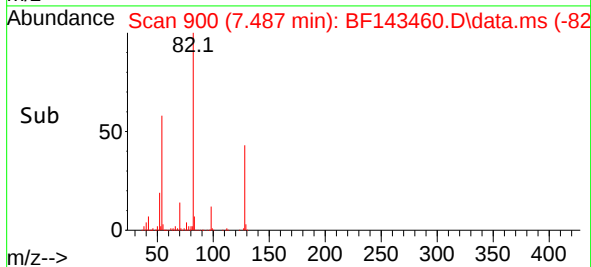
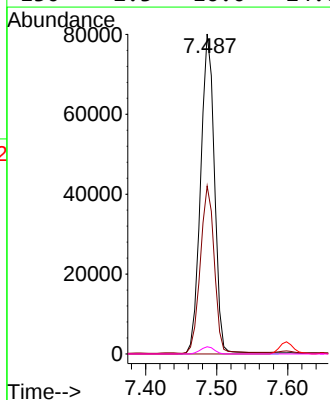
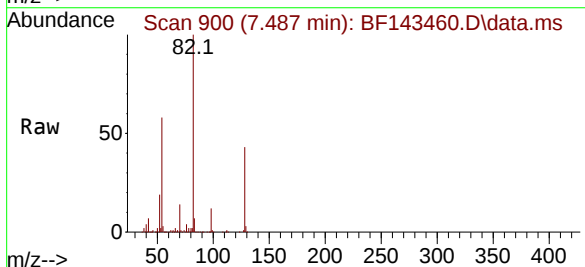
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.6
71	35.8	27.4	41.2

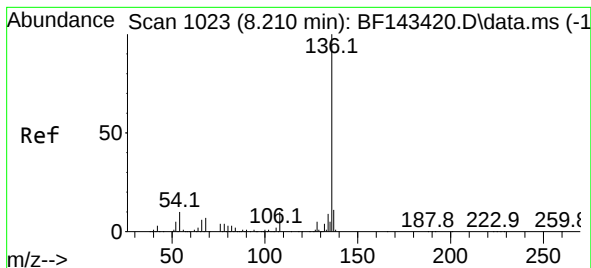


#19
n-Nitroso-di-n-propylamine
Concen: 17.619 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.153 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

Tgt Ion: 70 Resp: 109527

Ion	Ratio	Lower	Upper
70	100		
42	52.5	52.5	78.7
101	0.0	7.9	11.9#
130	2.3	16.0	24.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion:136 Resp: 506924

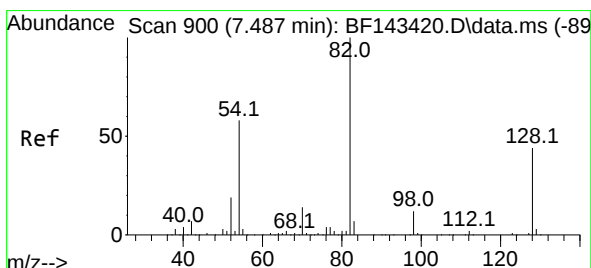
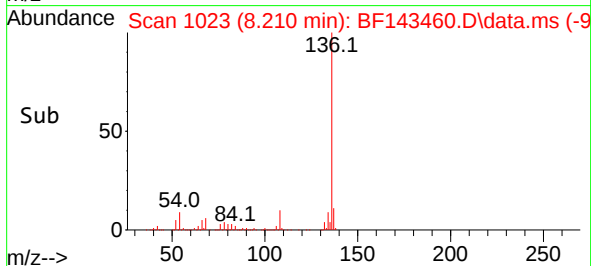
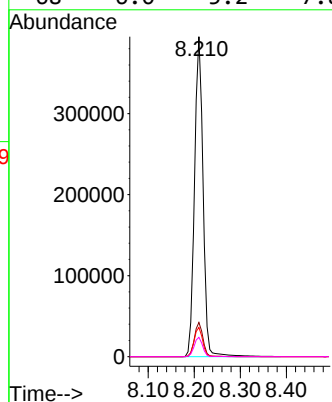
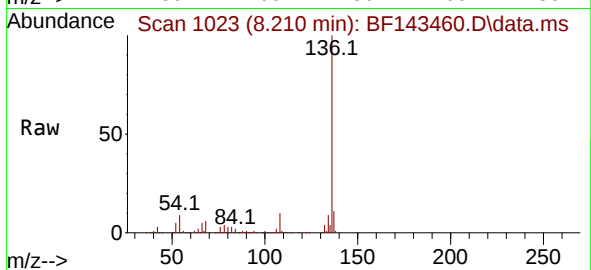
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.1 7.8 11.8

68 6.0 5.2 7.8



#23

Nitrobenzene-d5

Concen: 94.699 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

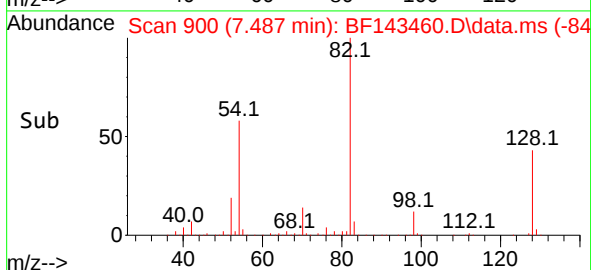
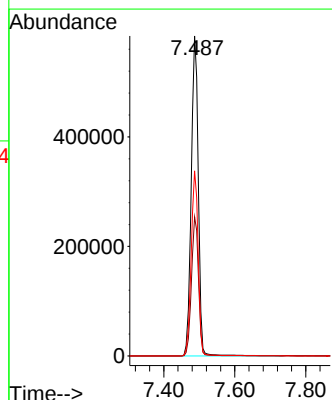
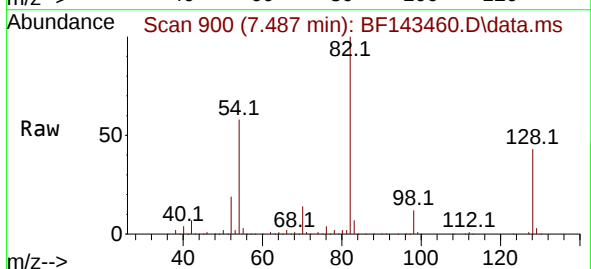
Tgt Ion: 82 Resp: 808998

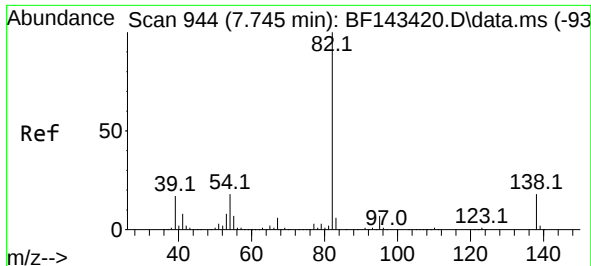
Ion Ratio Lower Upper

82 100

128 43.4 34.6 52.0

54 57.8 46.0 69.0

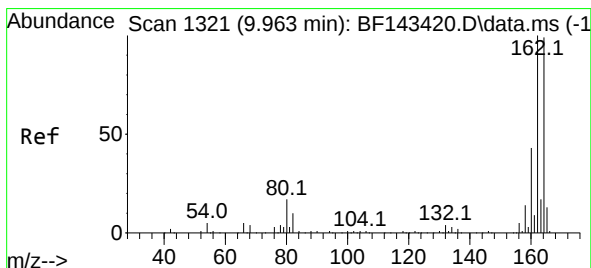
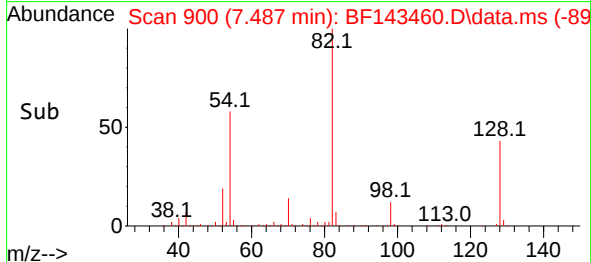
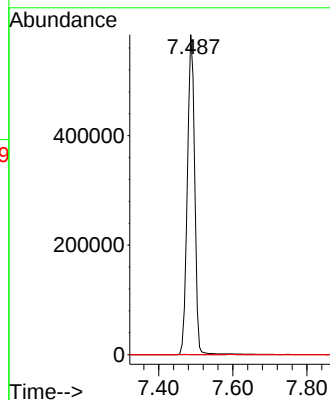
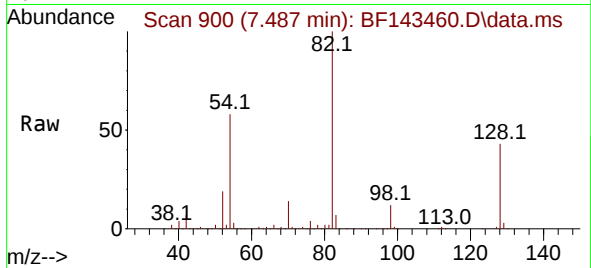




#25
Isophorone
Concen: 49.061 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

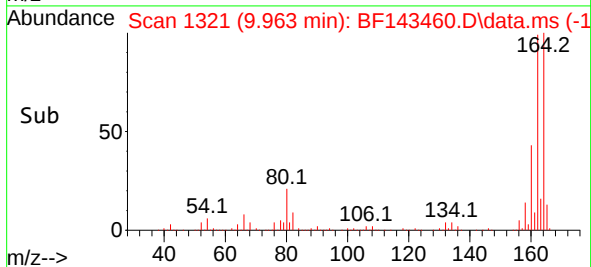
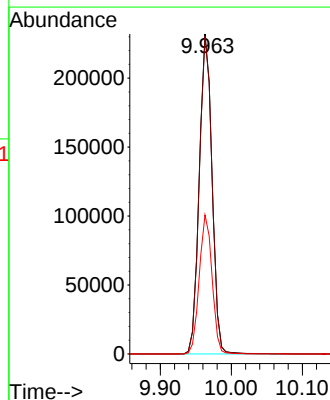
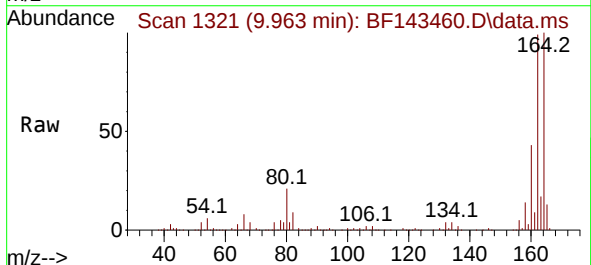
Instrument :
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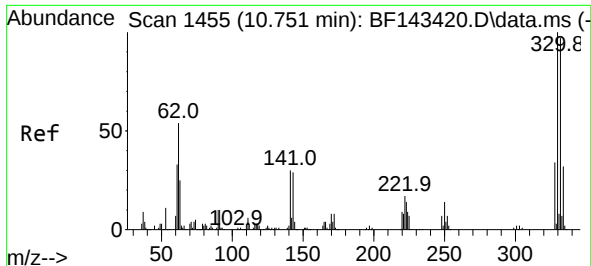
Tgt Ion: 82 Resp: 802163
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

Tgt Ion:164 Resp: 290732
Ion Ratio Lower Upper
164 100
162 99.3 80.6 121.0
160 43.4 34.6 51.8

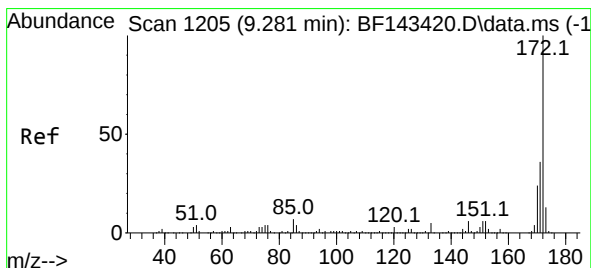
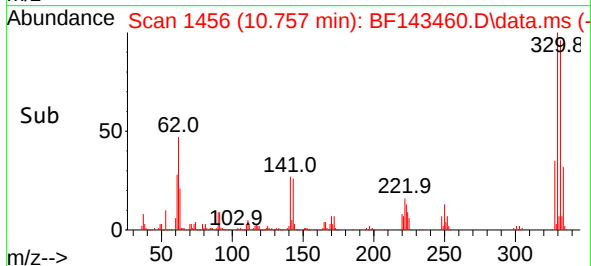
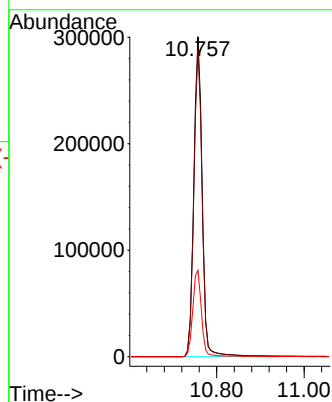
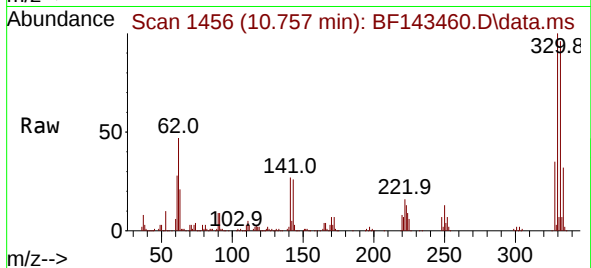




#42
2,4,6-Tribromophenol
Concen: 155.082 ng
RT: 10.757 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

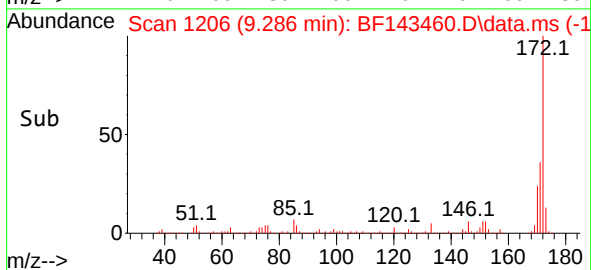
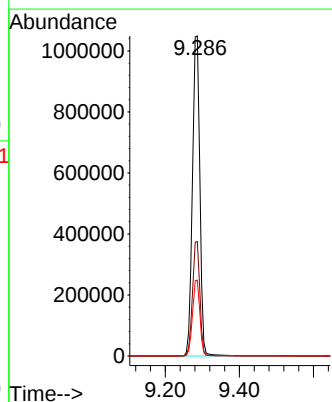
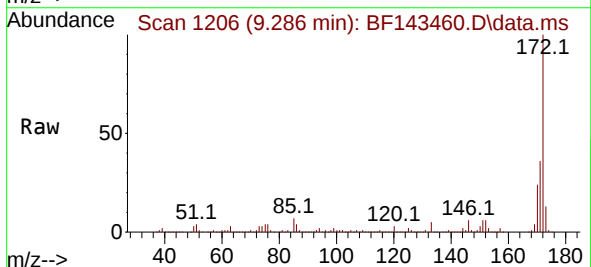
Instrument :
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ClientSampleId :
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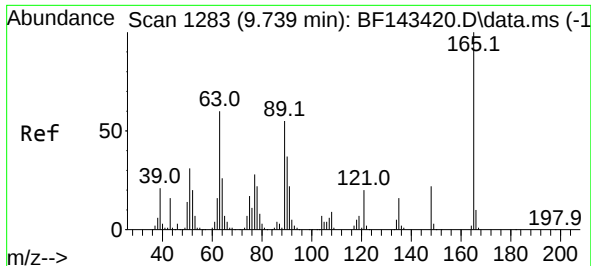
Tgt Ion:330 Resp: 401312
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.2
141 28.4 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 84.687 ng
RT: 9.286 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

Tgt Ion:172 Resp: 1463822
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.7 19.0 28.6

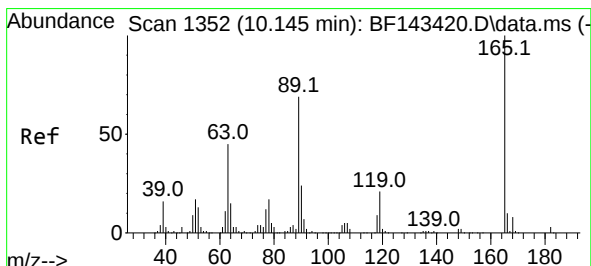
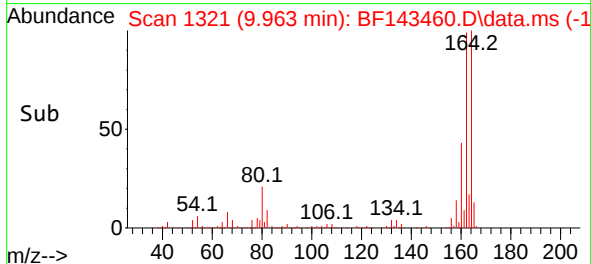
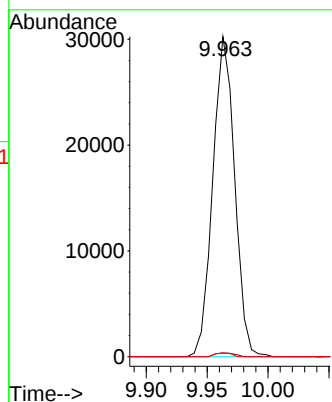
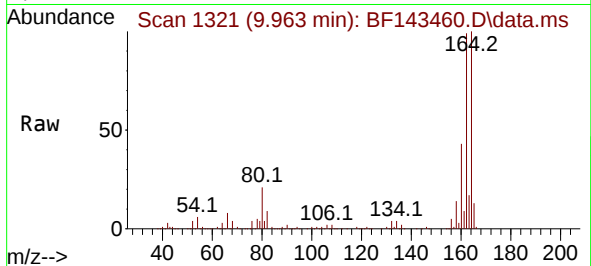




#51
2,6-Dinitrotoluene
Concen: 10.590 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.223 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

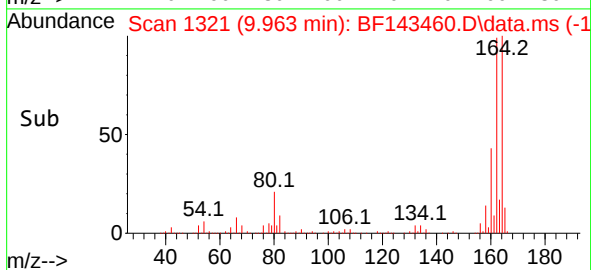
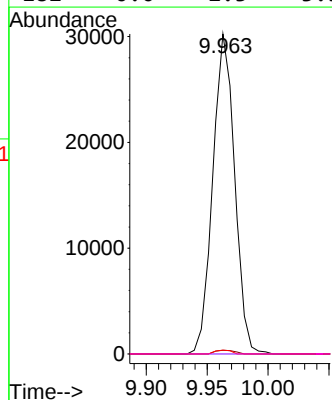
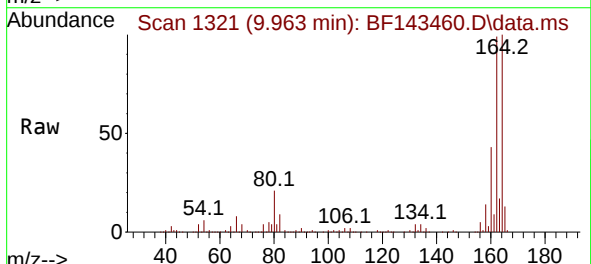
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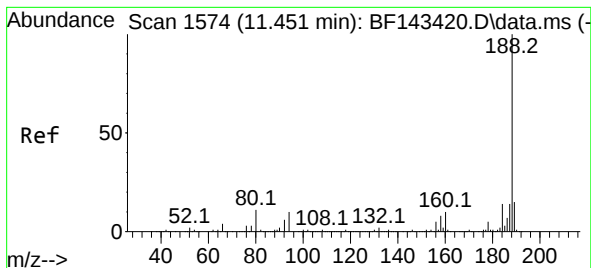
Tgt Ion:165 Resp: 37841
Ion Ratio Lower Upper
165 100
63 1.2 48.2 72.2#
89 1.2 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 7.943 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.182 min
Lab File: BF143460.D
Acq: 19 Aug 2025 16:58

Tgt Ion:165 Resp: 37841
Ion Ratio Lower Upper
165 100
63 1.2 37.0 55.6#
89 1.2 55.4 83.0#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

Instrument :

BNA_F

ClientSampleId :

VNJ-210

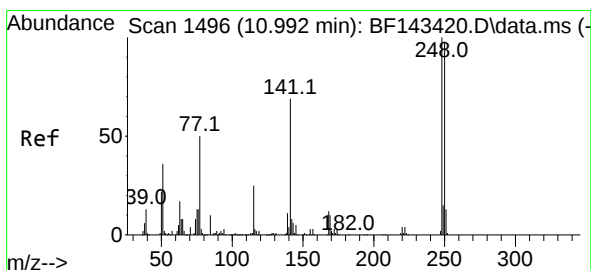
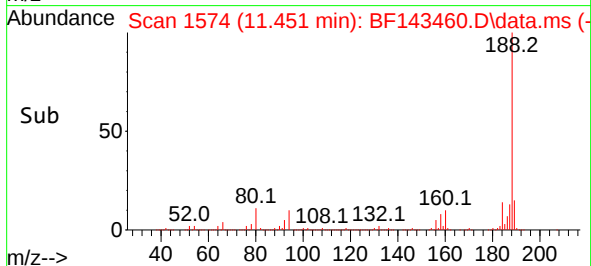
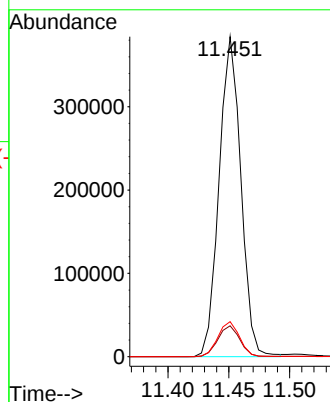
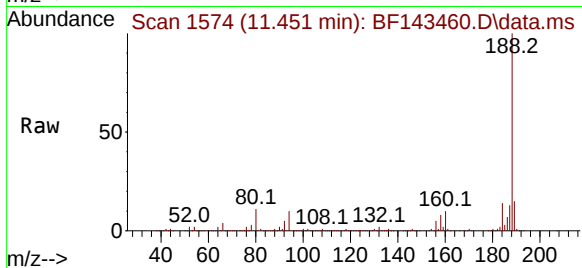
Tgt Ion:188 Resp: 478241

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

80 10.9 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 4.751 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.235 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

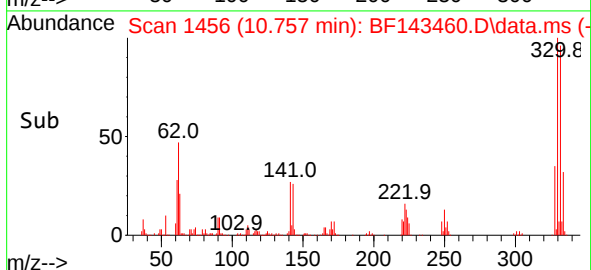
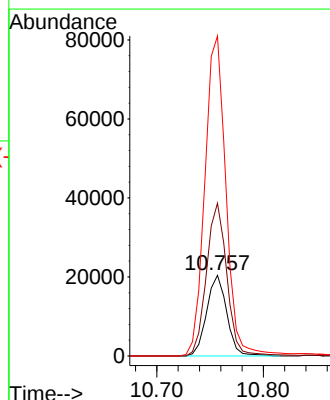
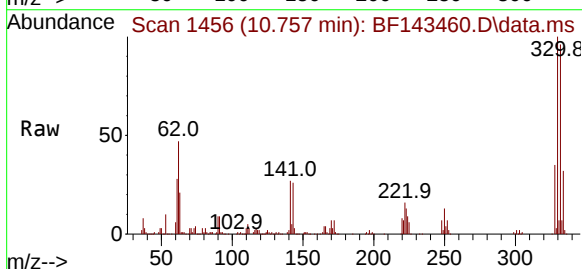
Tgt Ion:248 Resp: 26831

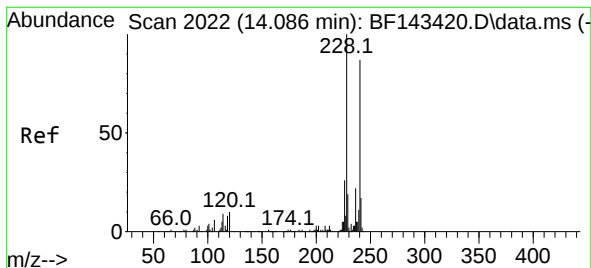
Ion Ratio Lower Upper

248 100

250 189.5 78.6 118.0#

141 396.6 54.9 82.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

Instrument :

BNA_F

ClientSampleId :

VNJ-210

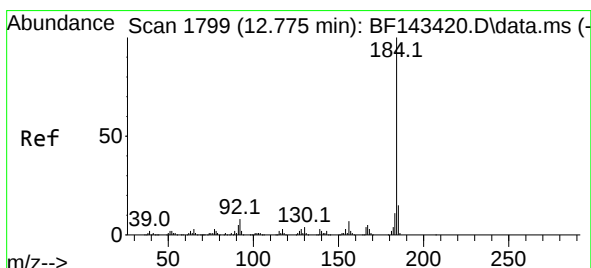
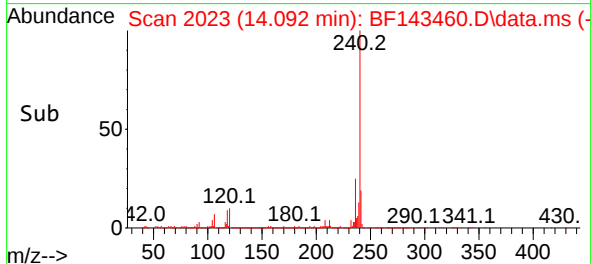
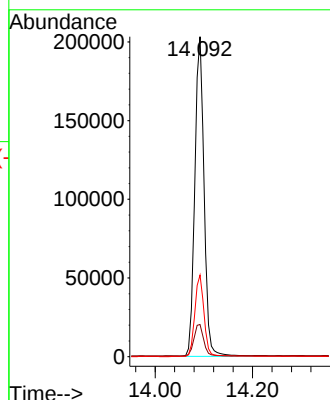
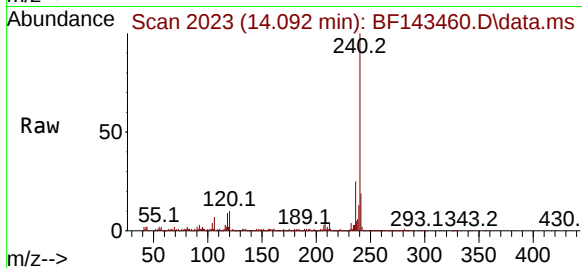
Tgt Ion:240 Resp: 269638

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.4

236 25.5 20.2 30.2



#77

Benzidine

Concen: 2.213 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.258 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

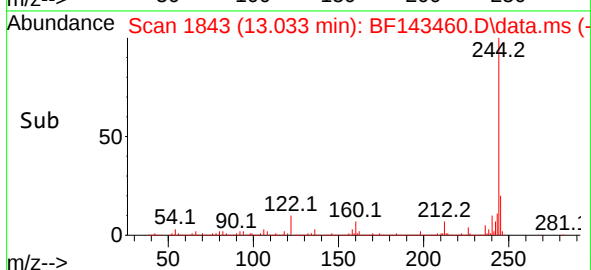
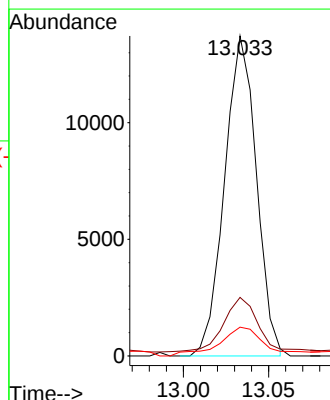
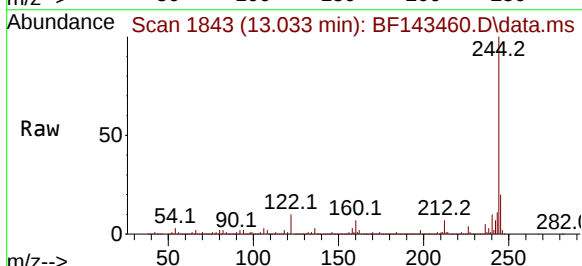
Tgt Ion:184 Resp: 17815

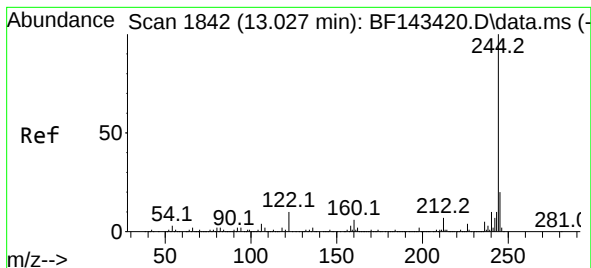
Ion Ratio Lower Upper

184 100

185 18.3 12.2 18.2#

183 9.0 9.2 13.8#





#79

Terphenyl-d14

Concen: 87.896 ng

RT: 13.033 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

Instrument :

BNA_F

ClientSampleId :

VNJ-210

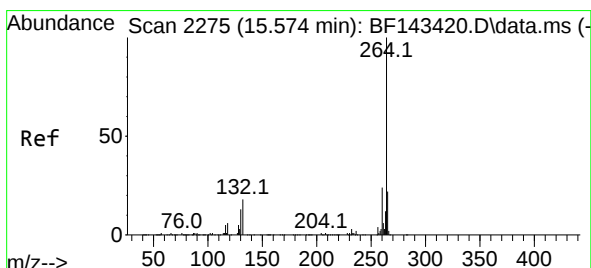
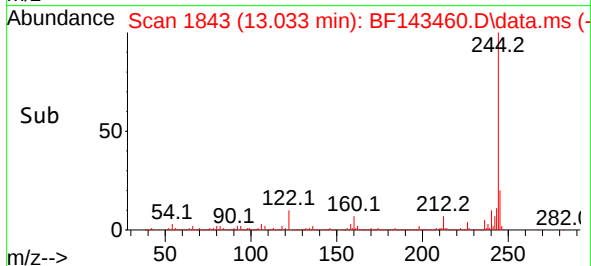
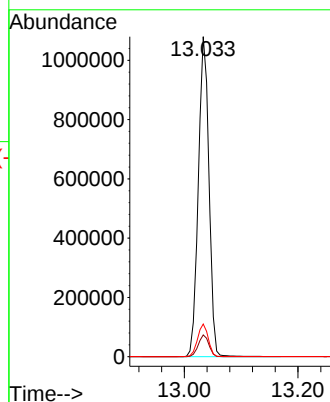
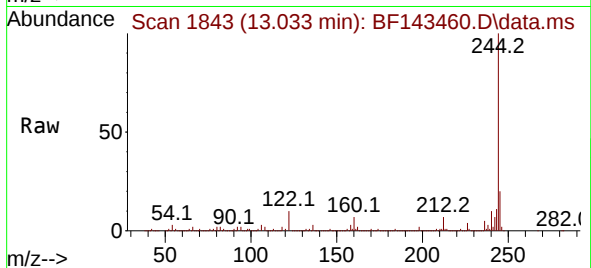
Tgt Ion:244 Resp: 1410844

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

122 10.2 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF143460.D

Acq: 19 Aug 2025 16:58

Tgt Ion:264 Resp: 265582

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.0 17.4 26.0

