

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101725\
 Data File : BF143988.D
 Acq On : 17 Oct 2025 16:47
 Operator : RC/JU
 Sample : Q3352-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Oct 17 17:06:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

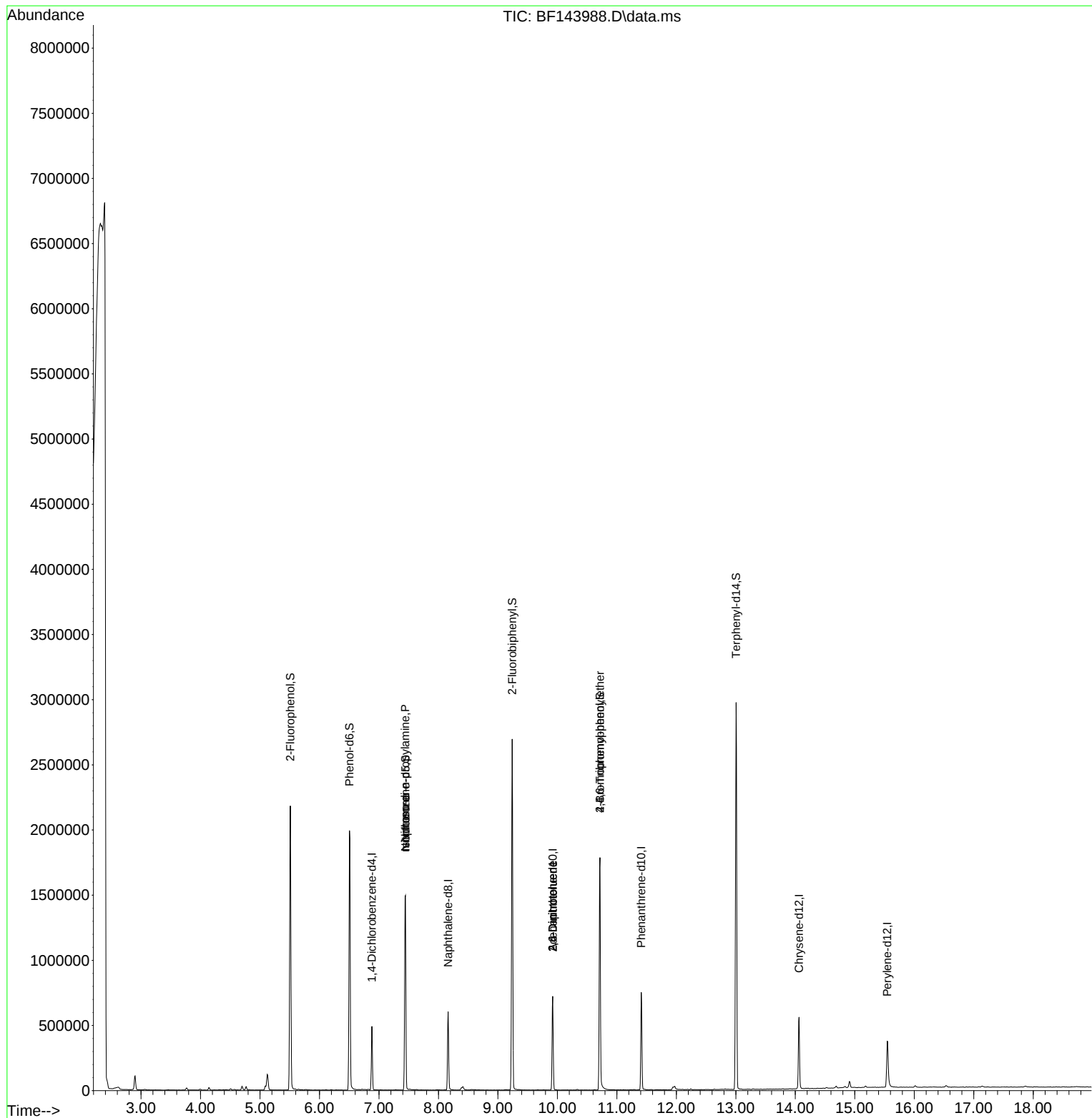
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	98021	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	381785	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	220375	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	402098	20.000	ng	0.00
76) Chrysene-d12	14.063	240	290546	20.000	ng	0.00
86) Perylene-d12	15.545	264	267365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	853415	138.257	ng	0.01
7) Phenol-d6	6.504	99	953313	129.570	ng	-0.01
23) Nitrobenzene-d5	7.445	82	694835	110.572	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	387303	176.450	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1324372	95.357	ng	-0.01
79) Terphenyl-d14	13.004	244	1657935	97.525	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	103437	20.539	ng	# 78
25) Isophorone	7.445	82	611456	46.147	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	27861	10.736	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	27861	7.891	ng	# 26
67) 4-Bromophenyl-phenylether	10.716	248	22297	5.018	ng	# 1

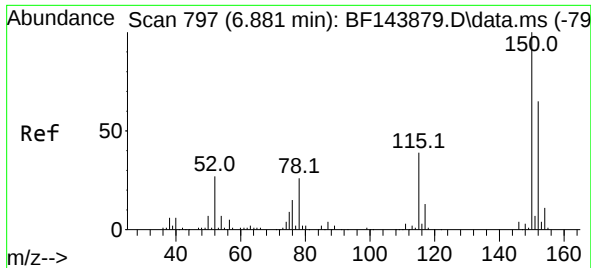
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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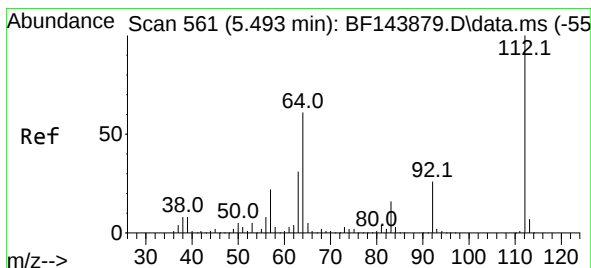
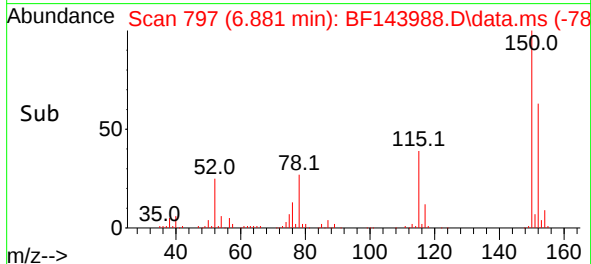
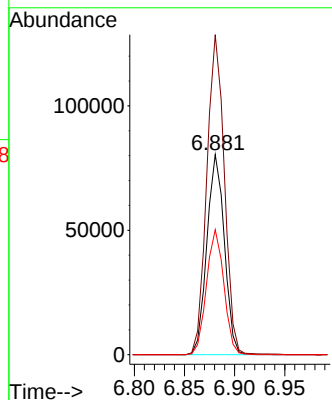
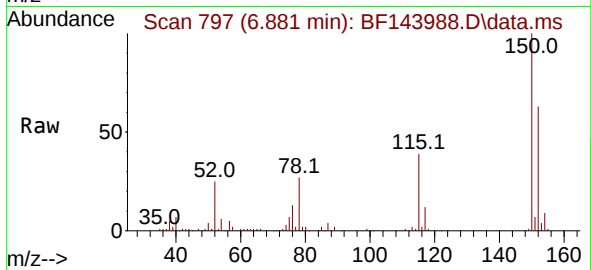




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

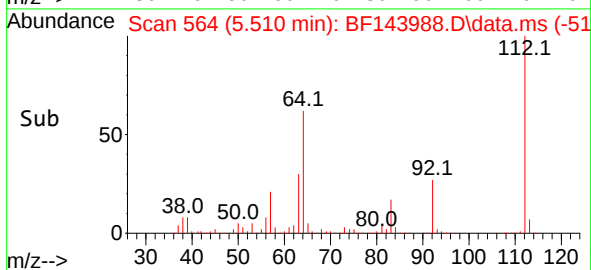
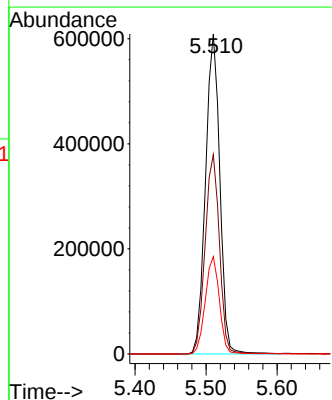
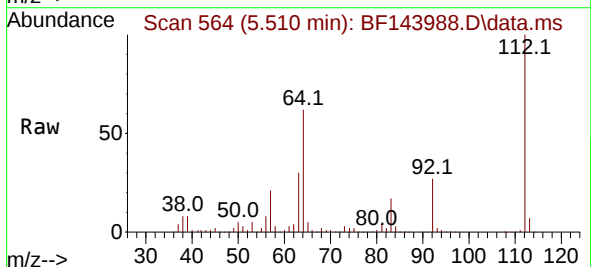
Instrument :
BNA_F
ClientSampleId :
TP-3

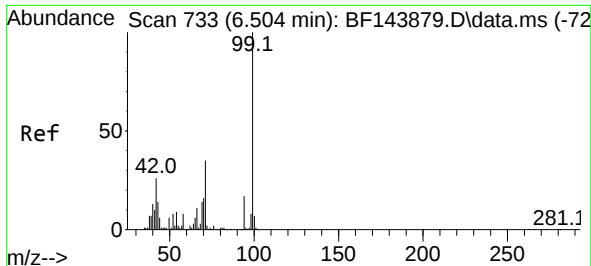
Tgt Ion:152 Resp: 98021
Ion Ratio Lower Upper
152 100
150 159.8 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 138.257 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

Tgt Ion:112 Resp: 853415
Ion Ratio Lower Upper
112 100
64 62.3 49.1 73.7
63 30.4 24.5 36.7

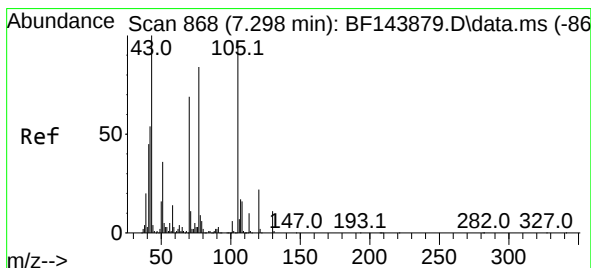
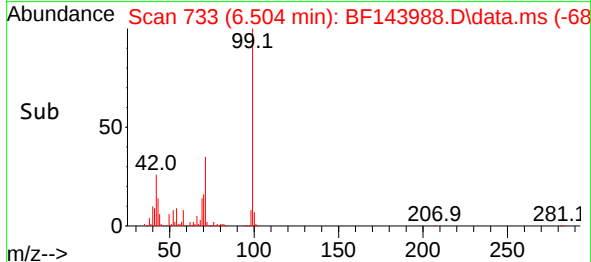
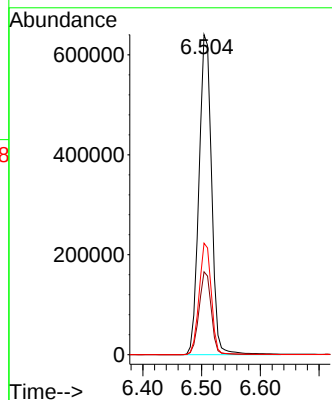
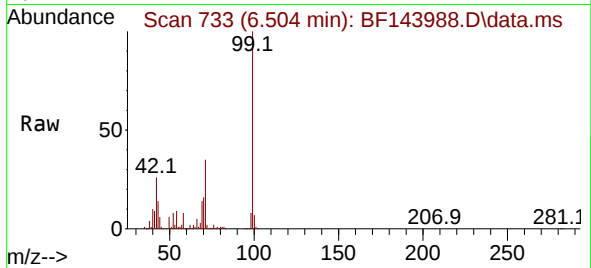




#7
Phenol-d6
Concen: 129.570 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

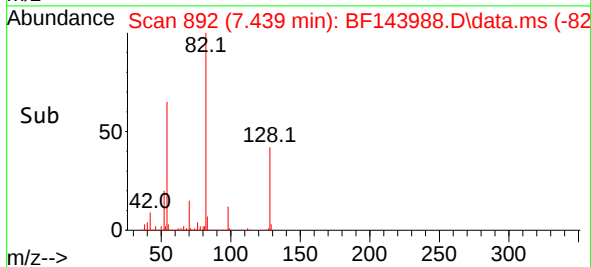
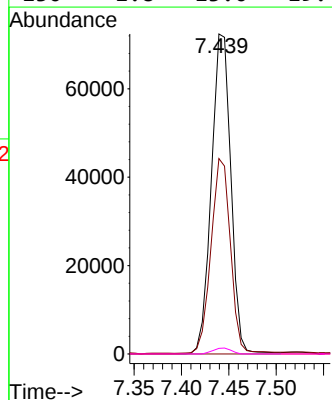
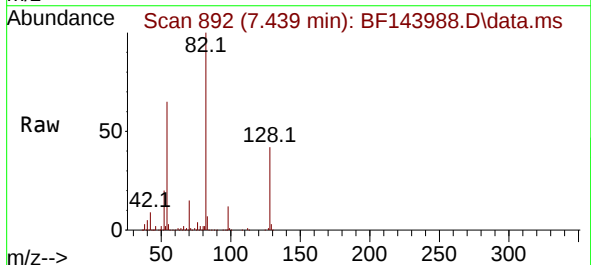
Instrument :
BNA_F
ClientSampleId :
TP-3

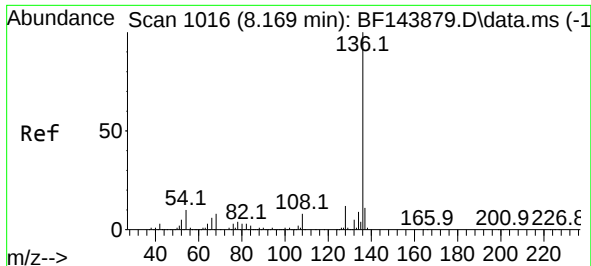
Tgt Ion: 99 Resp: 953313
Ion Ratio Lower Upper
99 100
42 25.9 21.0 31.4
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.539 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

Tgt Ion: 70 Resp: 103437
Ion Ratio Lower Upper
70 100
42 61.0 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



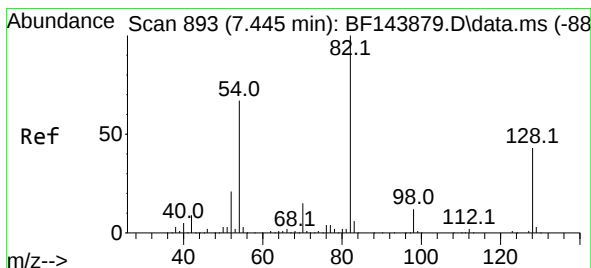
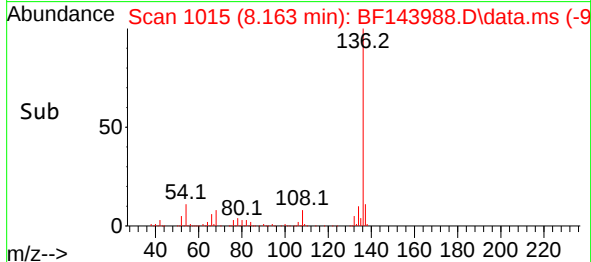
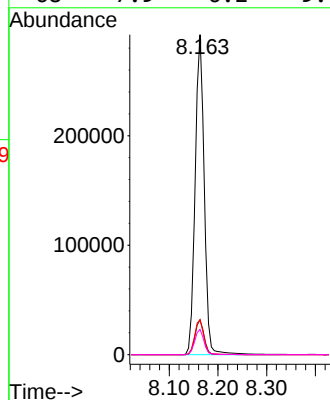
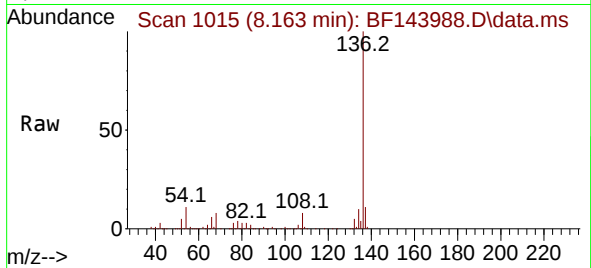


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136 Resp: 381785

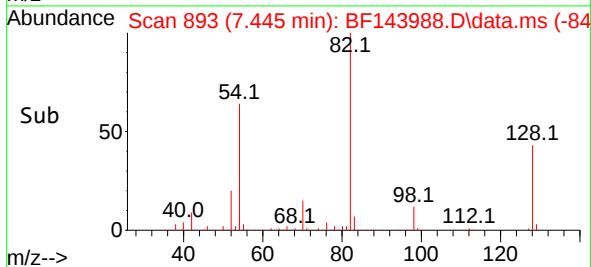
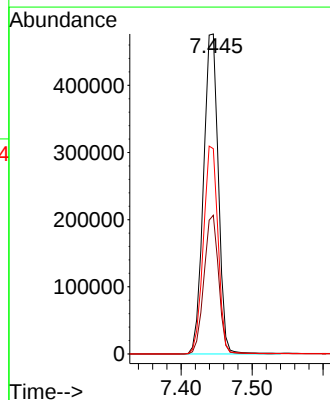
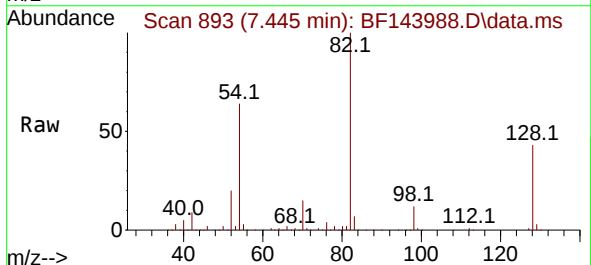
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.0	8.2	12.4
68	7.9	6.2	9.4

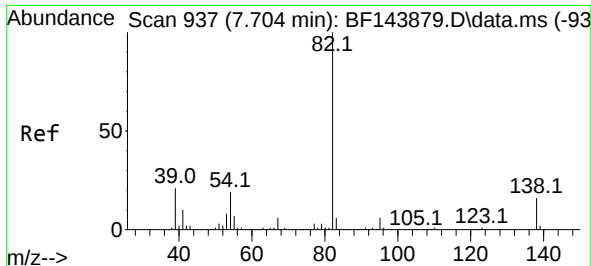


#23
Nitrobenzene-d5
Concen: 110.572 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

Tgt Ion: 82 Resp: 694835

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	64.1	53.2	79.8

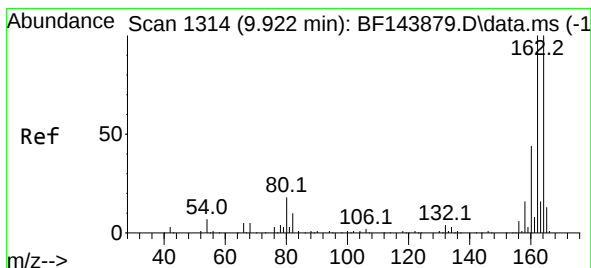
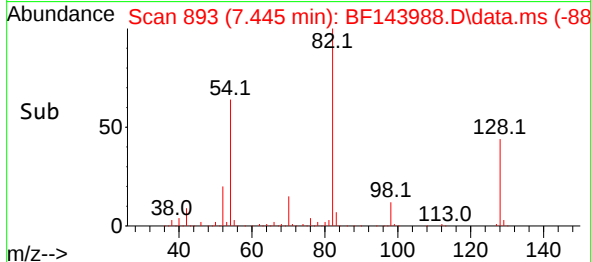
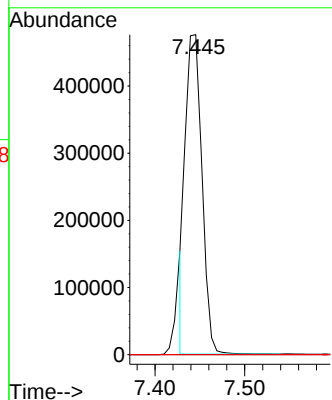
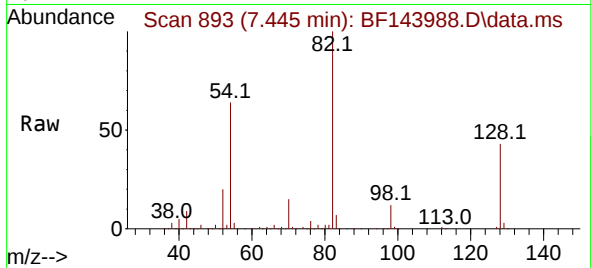




#25
Isophorone
Concen: 46.147 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

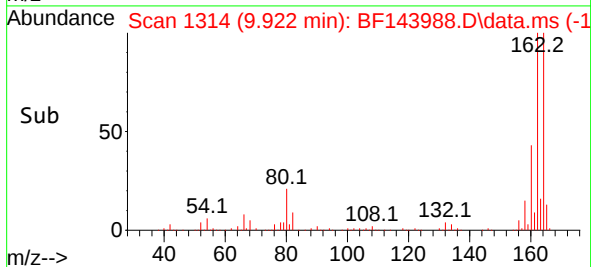
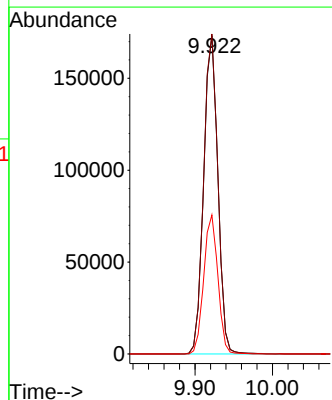
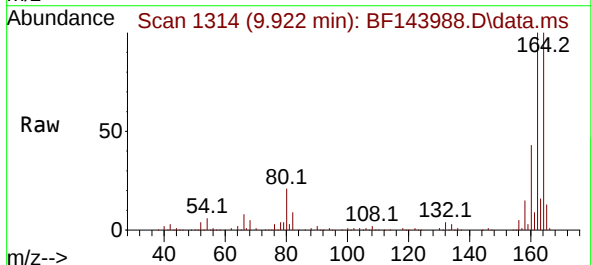
Instrument :
BNA_F
ClientSampleId :
TP-3

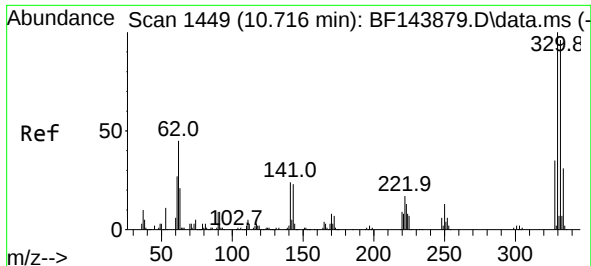
Tgt Ion: 82 Resp: 611456
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

Tgt Ion: 164 Resp: 220375
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.2
160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 176.450 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143988.D

Acq: 17 Oct 2025 16:47

Instrument :

BNA_F

ClientSampleId :

TP-3

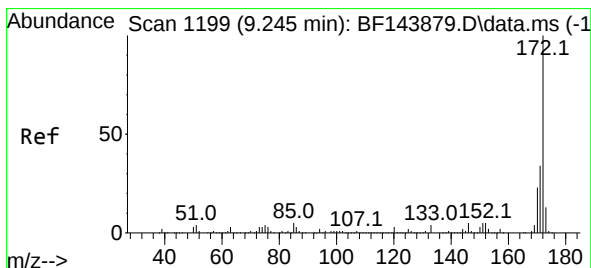
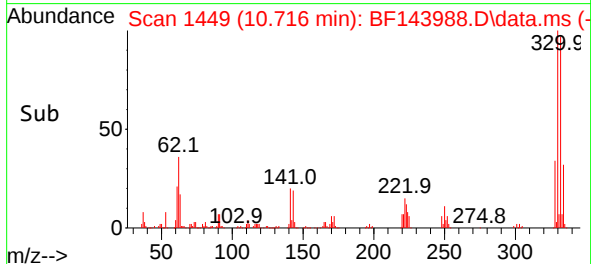
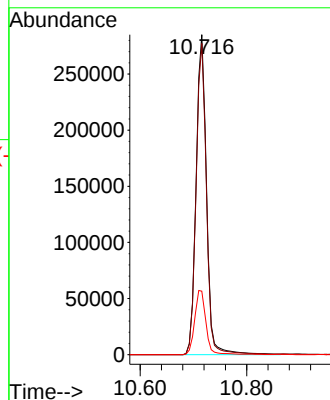
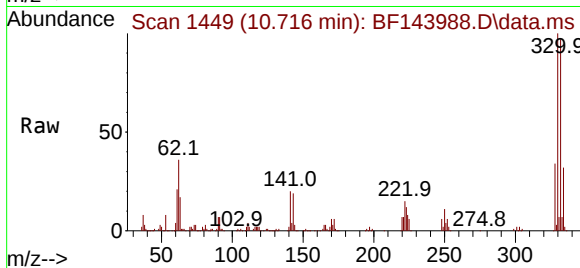
Tgt Ion:330 Resp: 387303

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

141 21.8 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 95.357 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143988.D

Acq: 17 Oct 2025 16:47

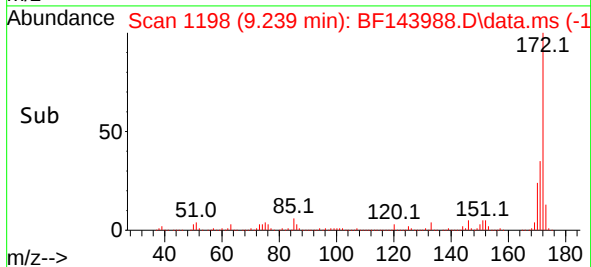
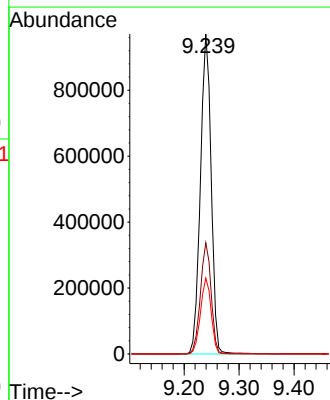
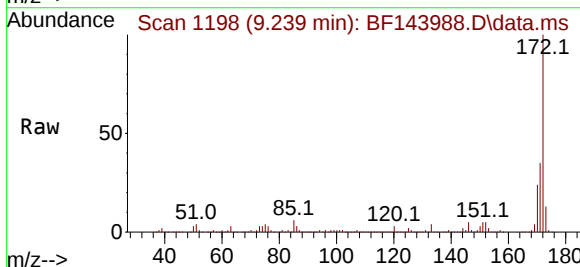
Tgt Ion:172 Resp: 1324372

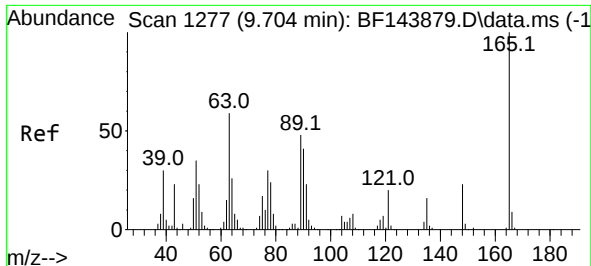
Ion Ratio Lower Upper

172 100

171 34.7 27.4 41.0

170 23.7 18.6 28.0

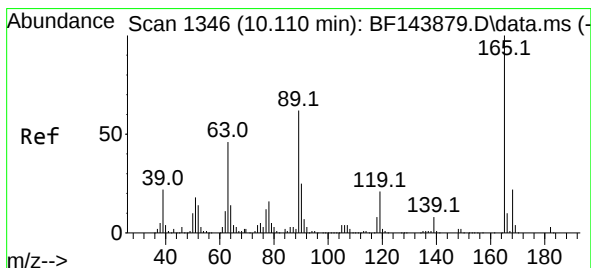
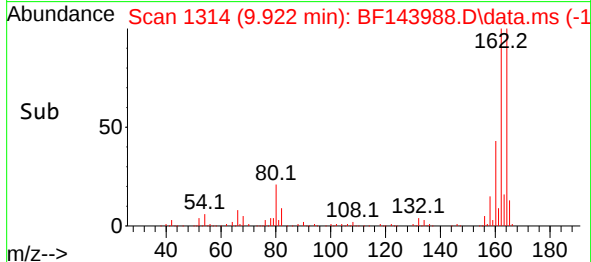
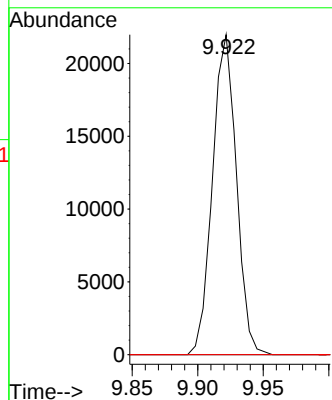
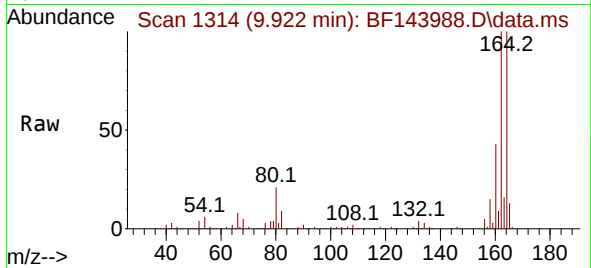




#51
2,6-Dinitrotoluene
Concen: 10.736 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

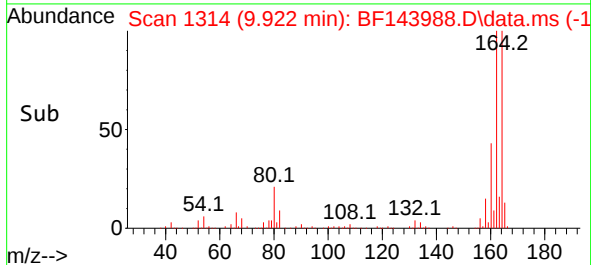
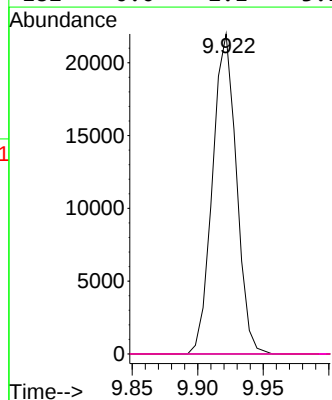
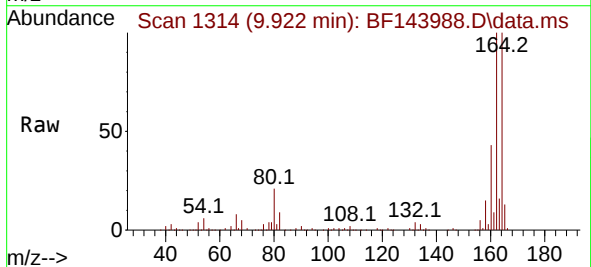
Instrument :
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ClientSampleId :
TP-3

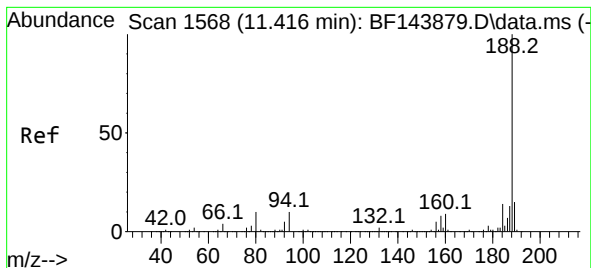
Tgt Ion:165 Resp: 27861
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.891 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143988.D
Acq: 17 Oct 2025 16:47

Tgt Ion:165 Resp: 27861
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143988.D

Acq: 17 Oct 2025 16:47

Instrument :

BNA_F

ClientSampleId :

TP-3

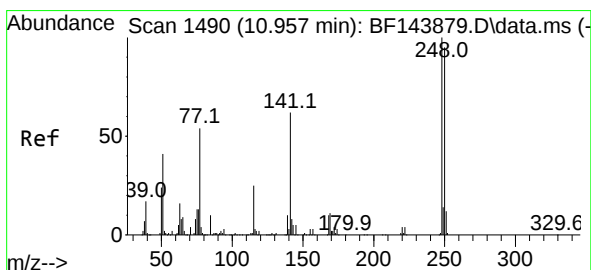
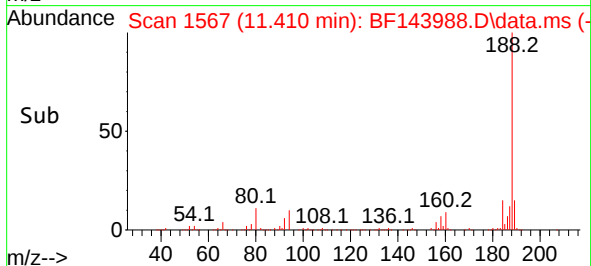
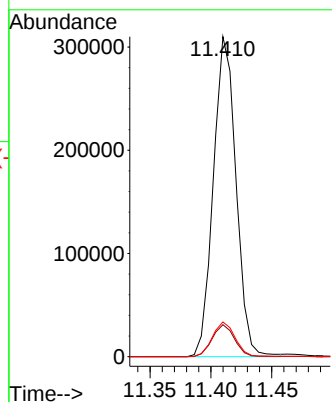
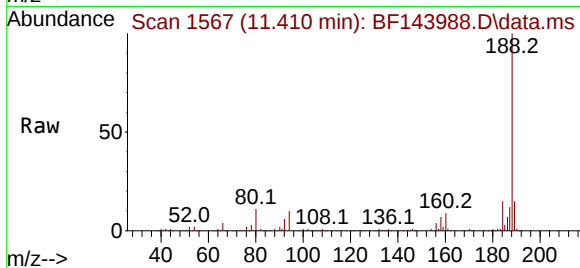
Tgt Ion:188 Resp: 402098

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

80 10.8 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 5.018 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.247 min

Lab File: BF143988.D

Acq: 17 Oct 2025 16:47

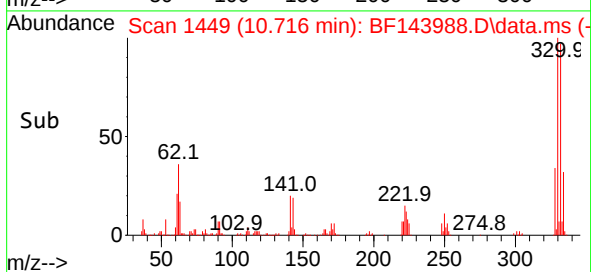
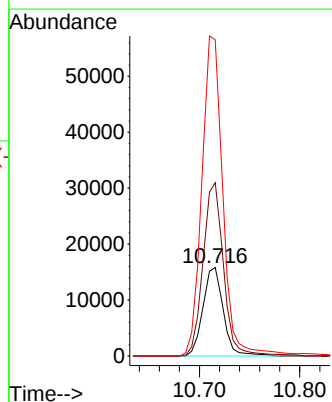
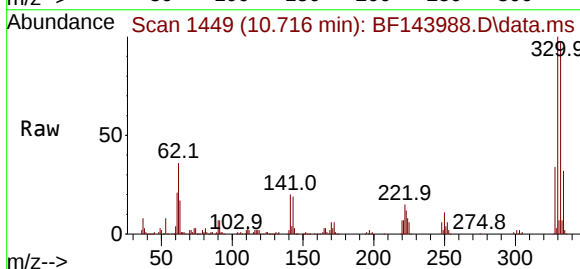
Tgt Ion:248 Resp: 22297

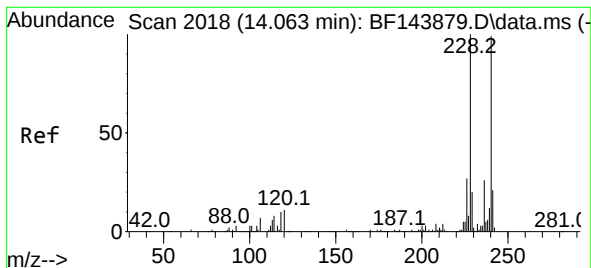
Ion Ratio Lower Upper

248 100

250 195.8 76.3 114.5#

141 357.2 49.7 74.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.005 min

Lab File: BF143988.D

Acq: 17 Oct 2025 16:47

Instrument :

BNA_F

ClientSampleId :

TP-3

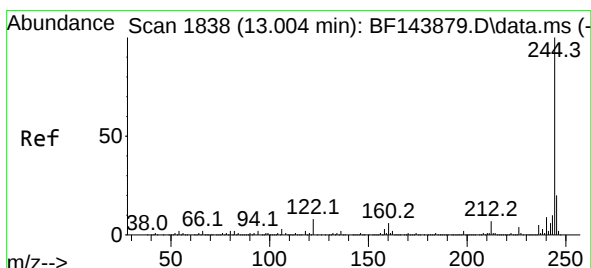
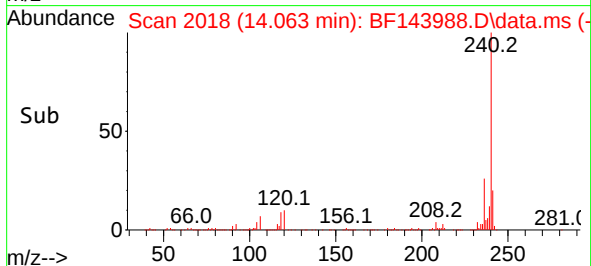
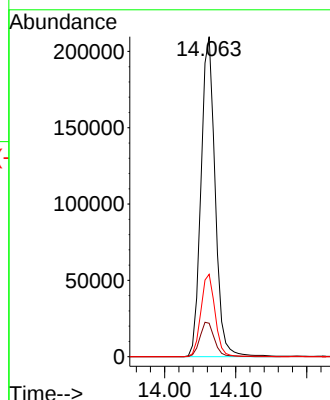
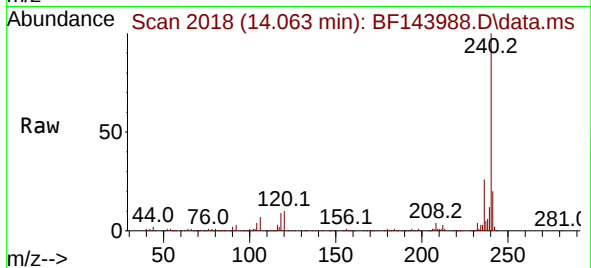
Tgt Ion:240 Resp: 290546

Ion Ratio Lower Upper

240 100

120 10.4 8.6 13.0

236 25.8 21.1 31.7



#79

Terphenyl-d14

Concen: 97.525 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143988.D

Acq: 17 Oct 2025 16:47

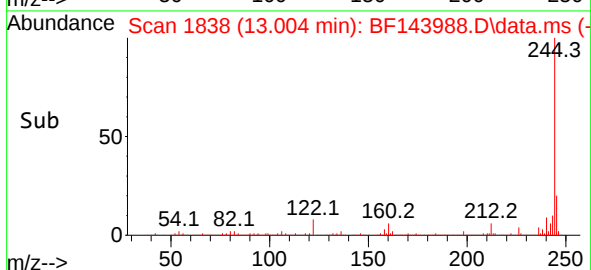
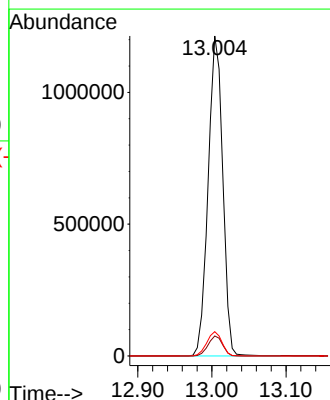
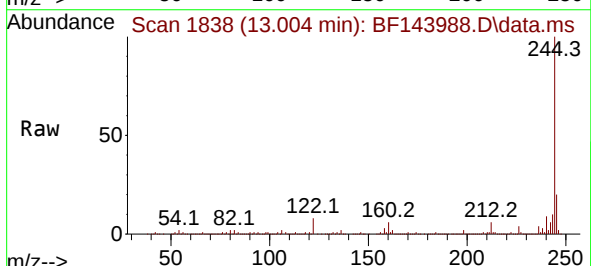
Tgt Ion:244 Resp: 1657935

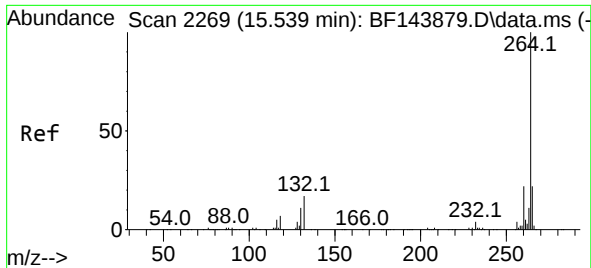
Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

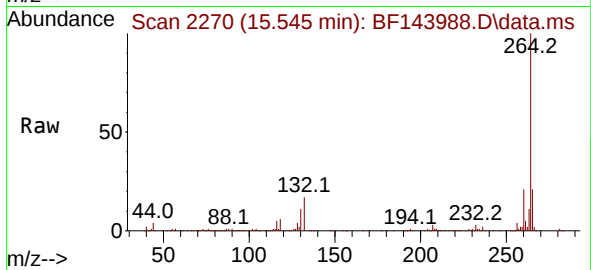
122 7.6 6.4 9.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143988.D
 Acq: 17 Oct 2025 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-3



Tgt Ion:264 Resp: 267365

Ion	Ratio	Lower	Upper
264	100		
260	21.1	17.8	26.8
265	20.7	17.5	26.3

