

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
 Data File : BF141259.D
 Acq On : 24 Jan 2025 13:50
 Operator : RC/JU
 Sample : Q1169-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 REGULATOR-BUILDING-GRAVEL

Quant Time: Jan 25 01:00:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

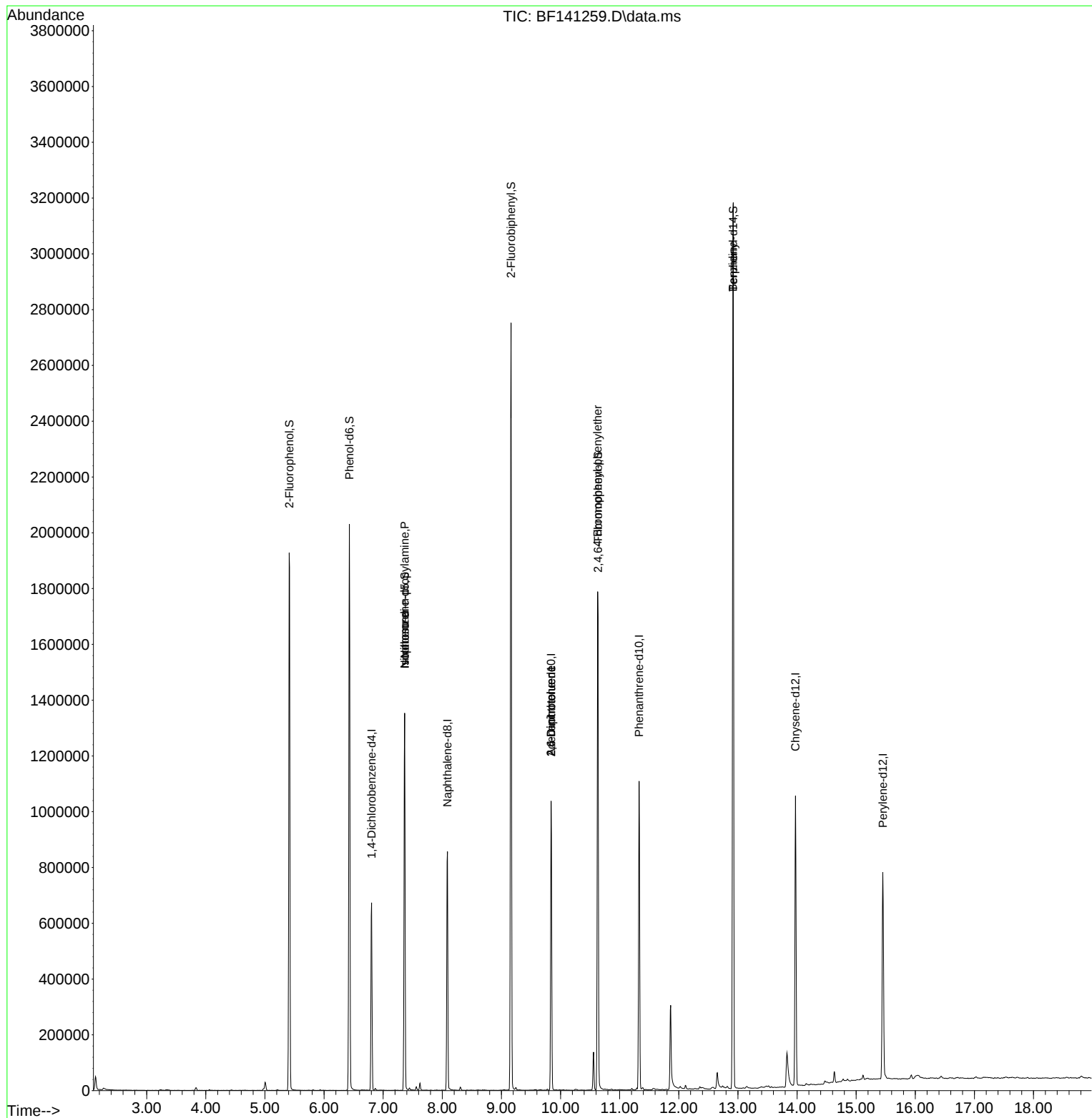
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	143745	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	561027	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	310487	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	556409	20.000	ng	-0.02
76) Chrysene-d12	13.974	240	494908	20.000	ng	-0.01
86) Perylene-d12	15.451	264	439720	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	767640	82.497	ng	-0.02
7) Phenol-d6	6.428	99	964755	81.850	ng	-0.02
23) Nitrobenzene-d5	7.363	82	605645	57.224	ng	-0.02
42) 2,4,6-Tribromophenol	10.634	330	342469	96.803	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1227033	60.348	ng	-0.02
79) Terphenyl-d14	12.922	244	1654829	49.698	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	80383	11.577	ng	# 75
25) Isophorone	7.363	82	600168	33.182	ng	# 65
51) 2,6-Dinitrotoluene	9.839	165	40917	8.441	ng	# 27
57) 2,4-Dinitrotoluene	9.839	165	40917	6.550	ng	# 24
67) 4-Bromophenyl-phenylether	10.628	248	20458	3.194	ng	# 1
77) Benzidine	12.916	184	20906	2.278	ng	# 92

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

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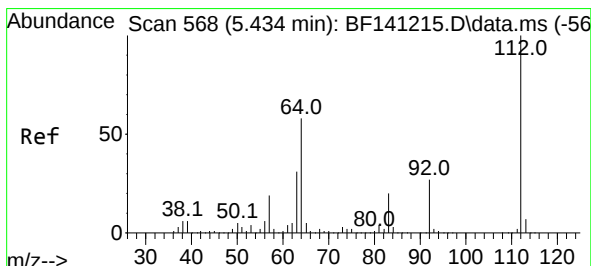
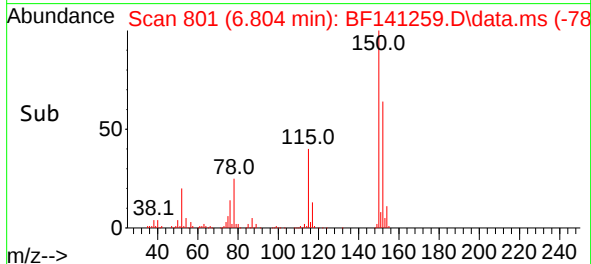
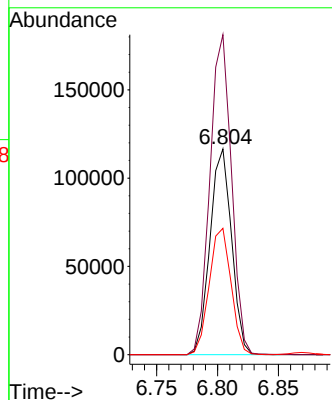
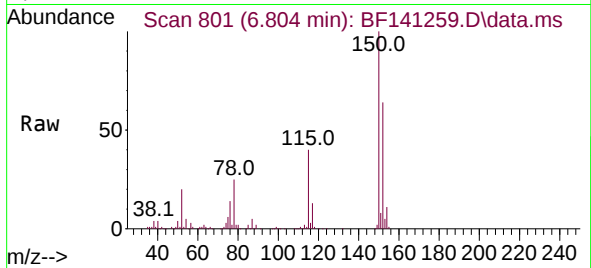




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

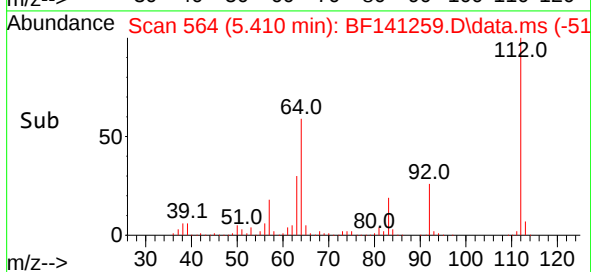
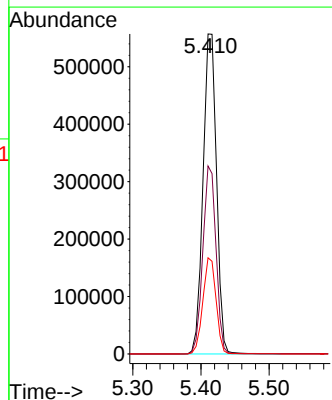
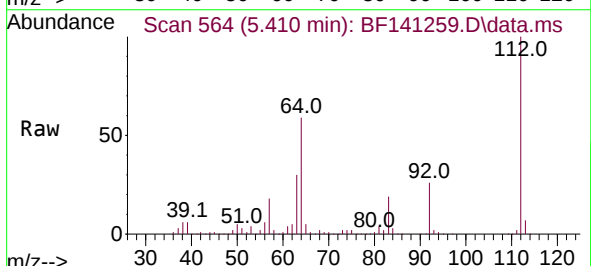
Instrument :
BNA_F
ClientSampleId :
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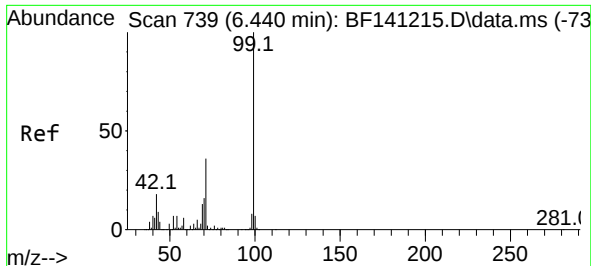
Tgt Ion:152 Resp: 143745
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.8
115 61.4 51.4 77.2



#5
2-Fluorophenol
Concen: 82.497 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.018 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion:112 Resp: 767640
Ion Ratio Lower Upper
112 100
64 58.7 47.3 70.9
63 30.1 24.2 36.2

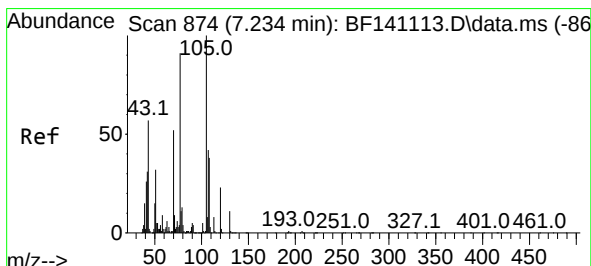
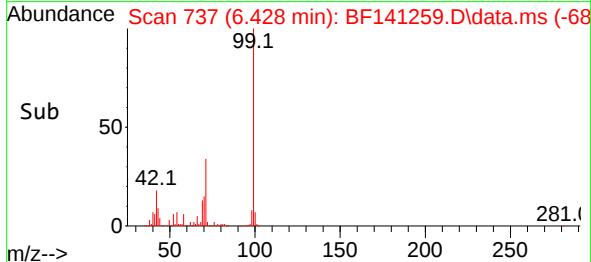
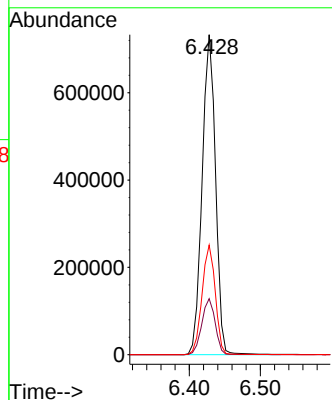
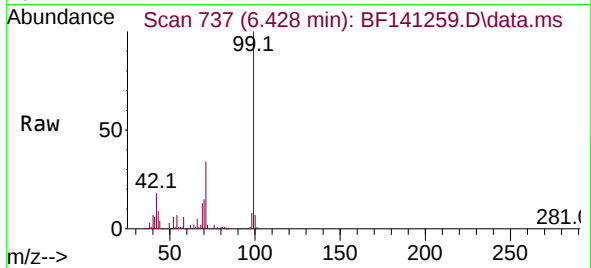




#7
Phenol-d6
Concen: 81.850 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

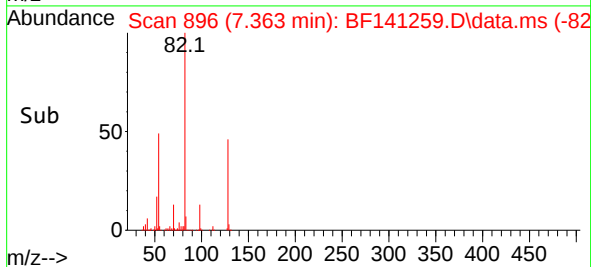
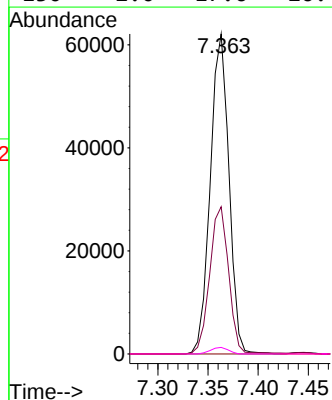
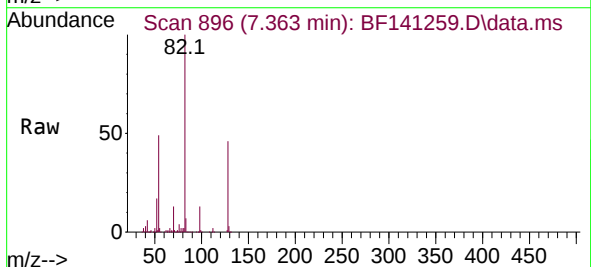
Instrument :
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ClientSampleId :
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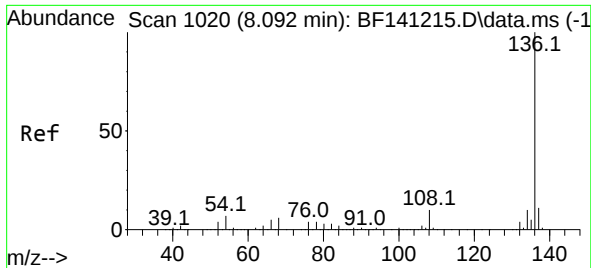
Tgt Ion: 99 Resp: 964755
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.4
71 34.3 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.577 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.130 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion: 70 Resp: 80383
Ion Ratio Lower Upper
70 100
42 46.0 47.8 71.6#
101 0.0 7.9 11.9#
130 2.0 17.6 26.4#

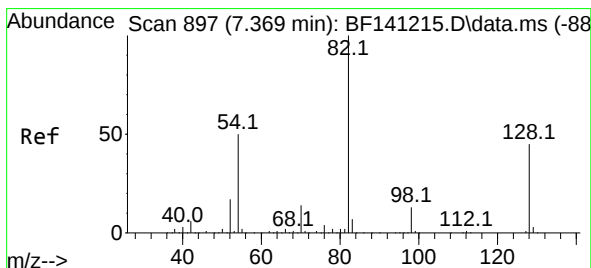
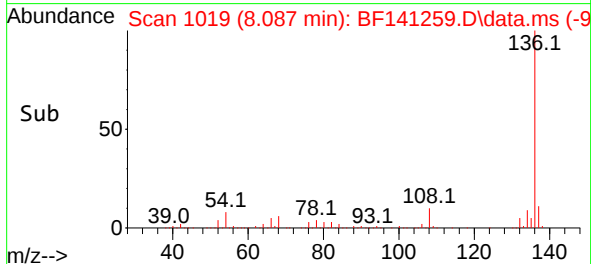
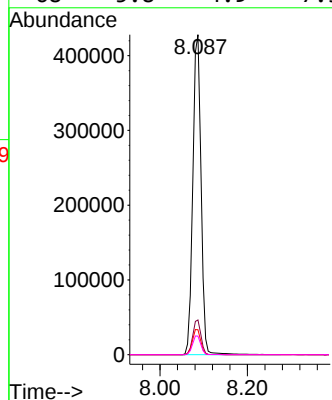
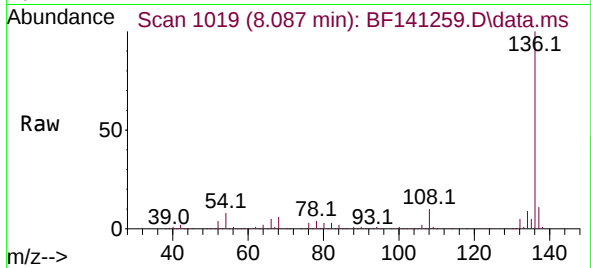




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

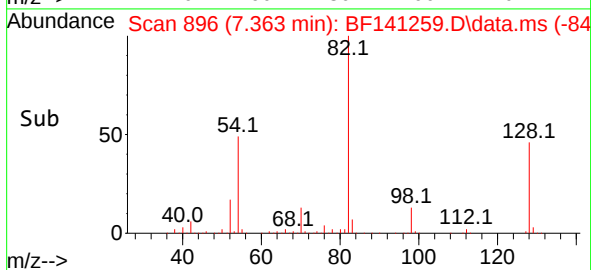
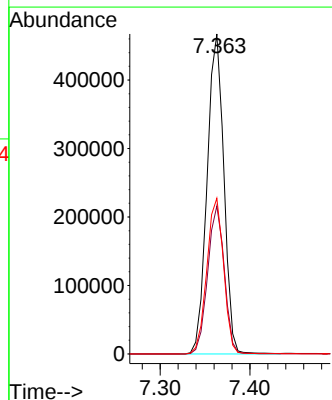
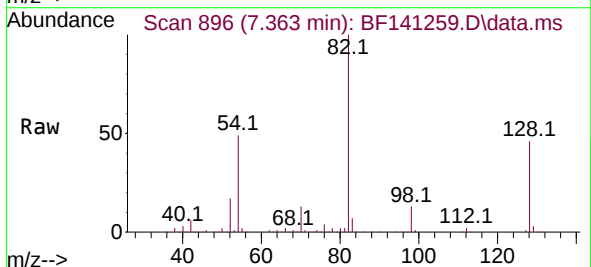
Instrument :
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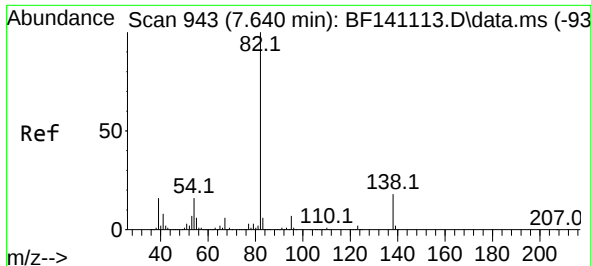
Tgt	Ion:136	Resp:	561027
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	6.3	9.5
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 57.224 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.023 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion: 82	Resp: 605645
Ion Ratio	Lower Upper
82 100	
128 46.2	36.1 54.1
54 48.7	41.0 61.4

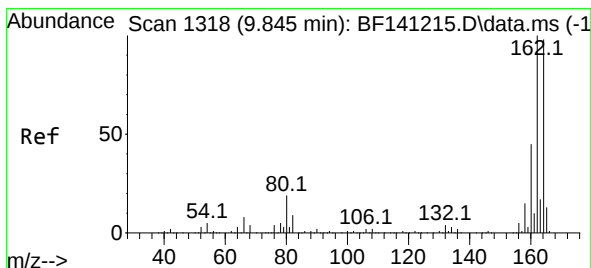
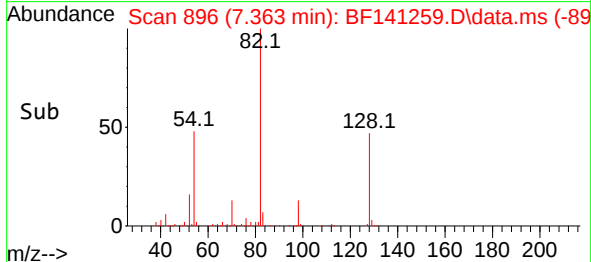
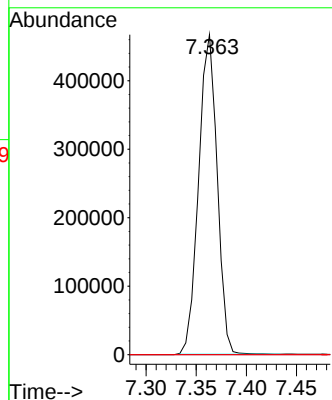
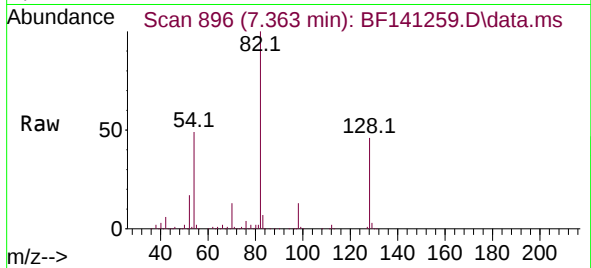




#25
Isophorone
Concen: 33.182 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

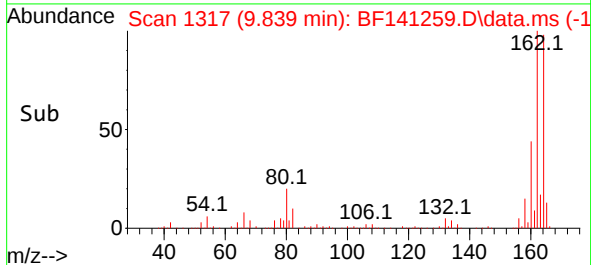
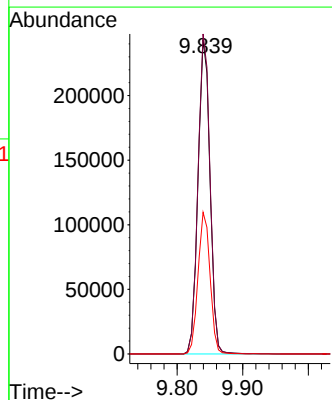
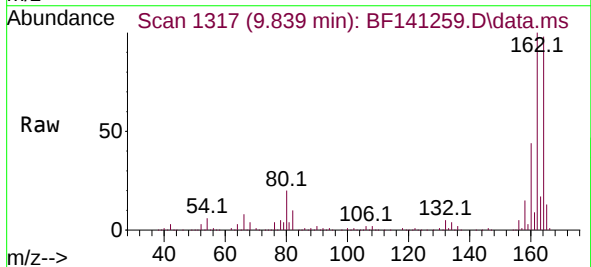
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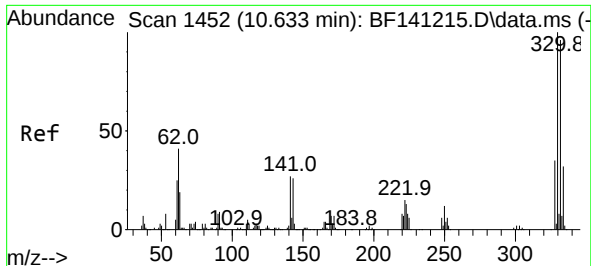
Tgt Ion: 82 Resp: 600168
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.023 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion:164 Resp: 310487
Ion Ratio Lower Upper
164 100
162 101.8 81.0 121.4
160 45.1 36.1 54.1

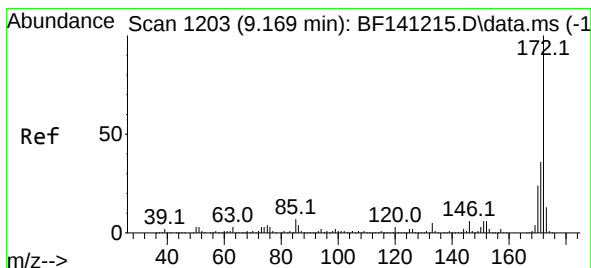
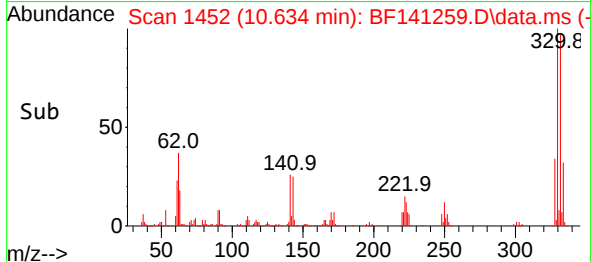
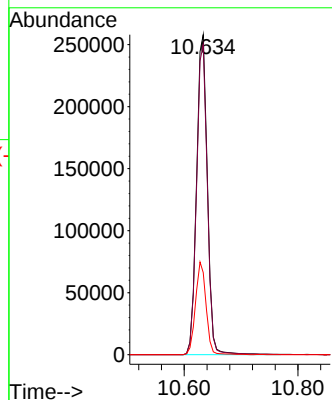
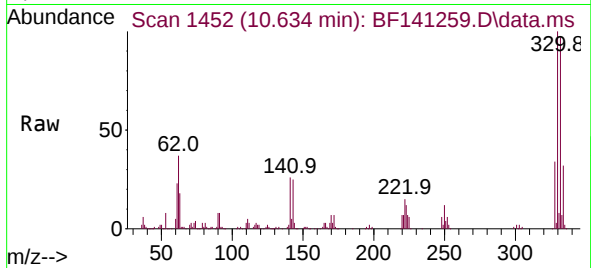




#42
2,4,6-Tribromophenol
Concen: 96.803 ng
RT: 10.634 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

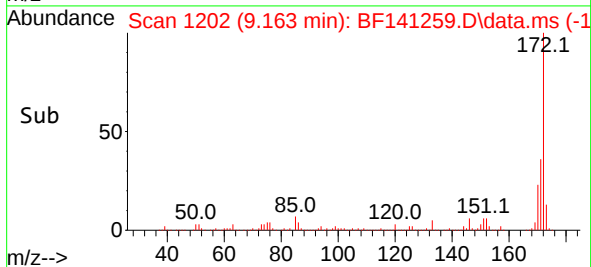
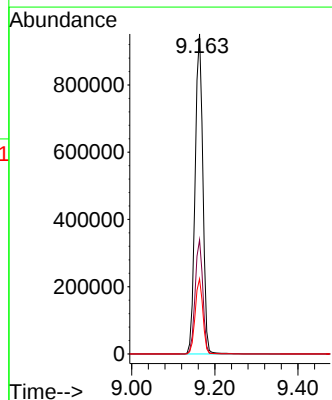
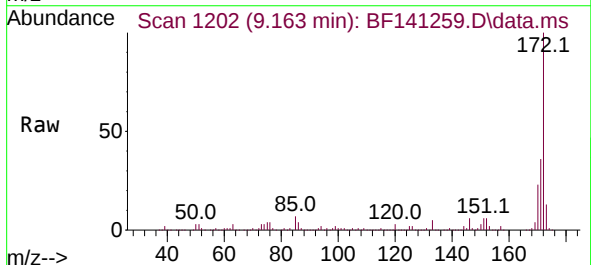
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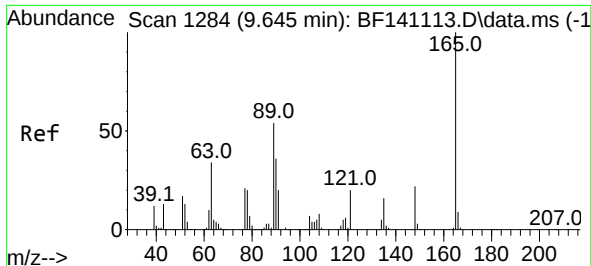
Tgt Ion:330 Resp: 342469
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 28.4 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 60.348 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion:172 Resp: 1227033
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.4 19.0 28.6

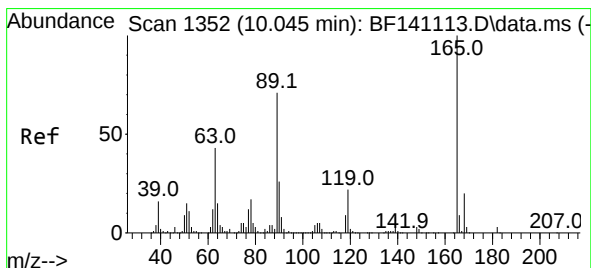
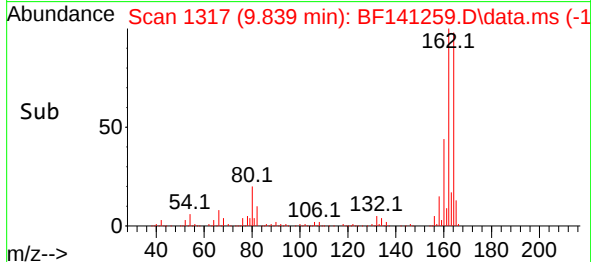
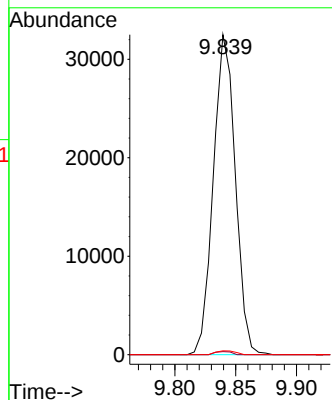
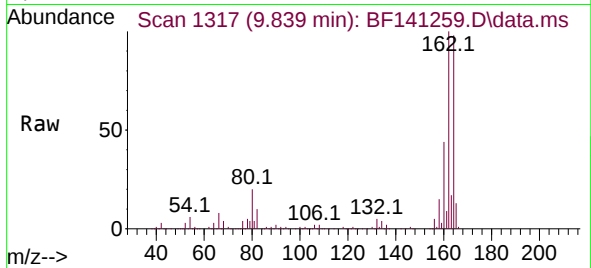




#51
2,6-Dinitrotoluene
Concen: 8.441 ng
RT: 9.839 min Scan# 1317
Delta R.T. 0.194 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

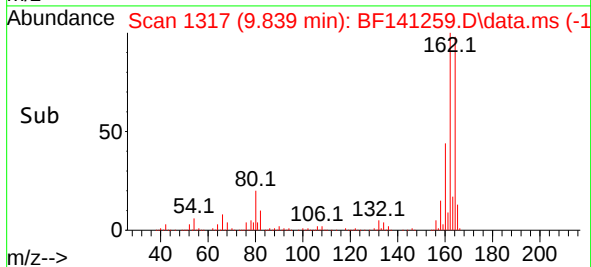
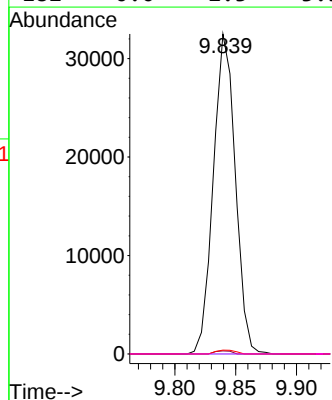
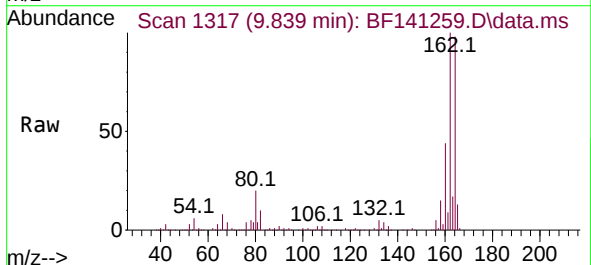
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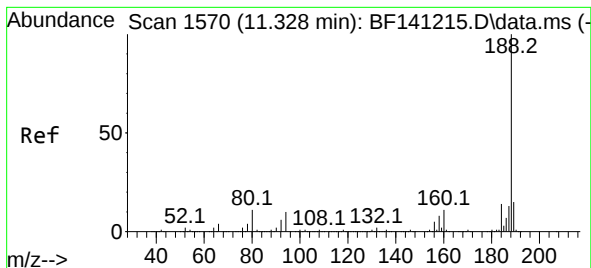
Tgt Ion:165 Resp: 40917
Ion Ratio Lower Upper
165 100
63 1.0 42.3 63.5#
89 1.2 43.1 64.7#



#57
2,4-Dinitrotoluene
Concen: 6.550 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.206 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion:165 Resp: 40917
Ion Ratio Lower Upper
165 100
63 1.0 35.0 52.4#
89 1.2 56.7 85.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141259.D

Acq: 24 Jan 2025 13:50

Instrument :

BNA_F

ClientSampleId :

REGULATOR-BUILDING-GRAVEL

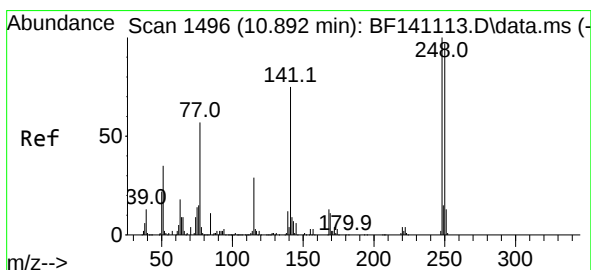
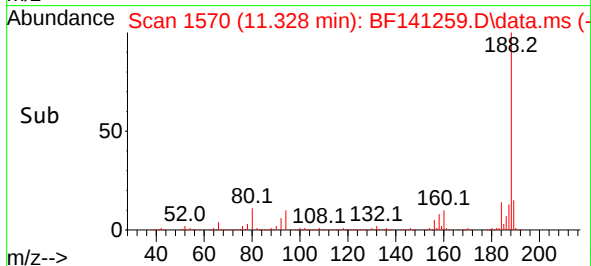
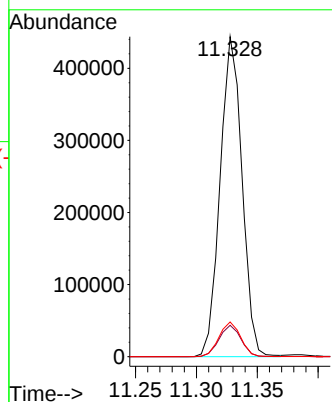
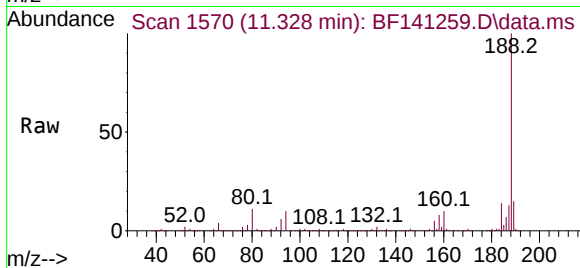
Tgt Ion:188 Resp: 556409

Ion Ratio Lower Upper

188 100

94 9.8 8.3 12.5

80 10.9 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.194 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.265 min

Lab File: BF141259.D

Acq: 24 Jan 2025 13:50

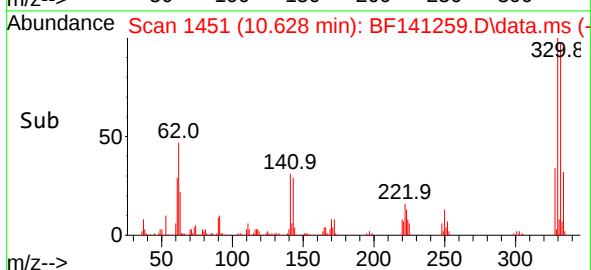
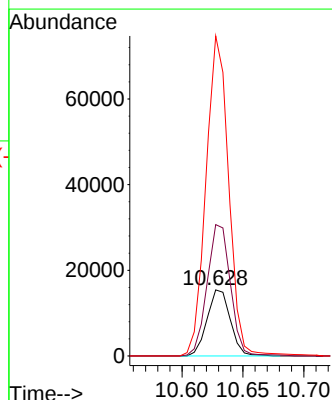
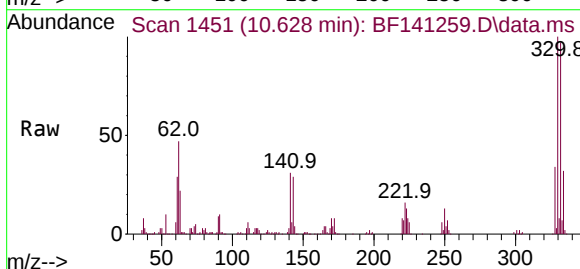
Tgt Ion:248 Resp: 20458

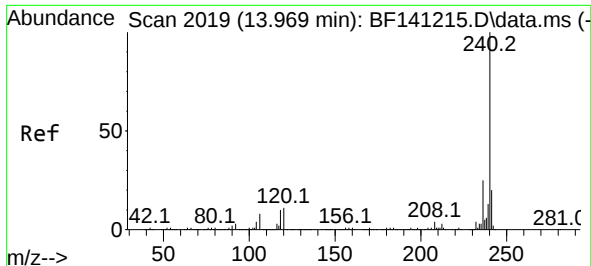
Ion Ratio Lower Upper

248 100

250 198.9 77.9 116.9#

141 484.7 59.9 89.9#

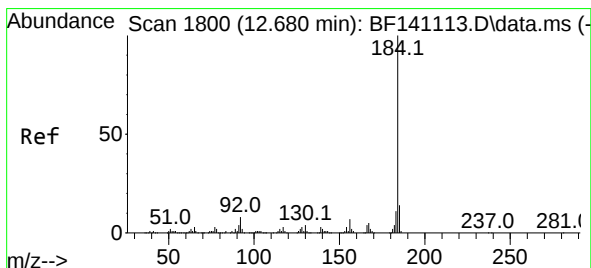
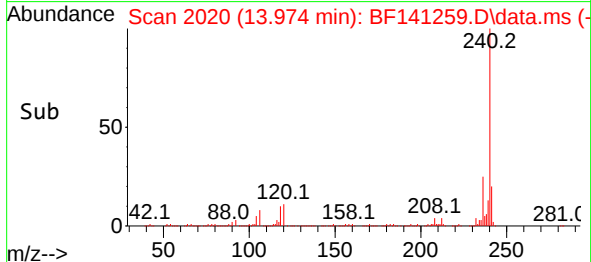
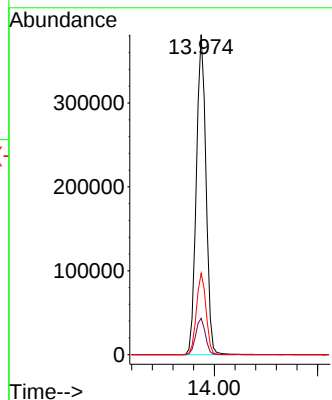
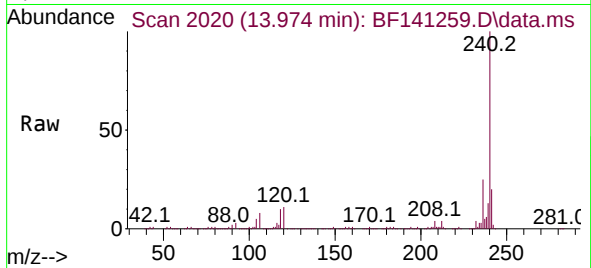




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

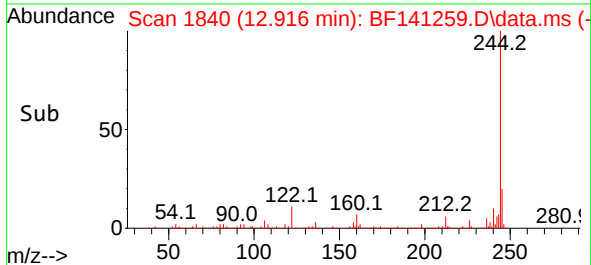
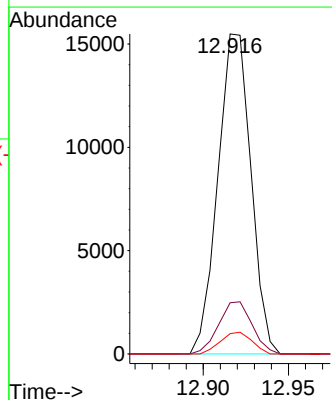
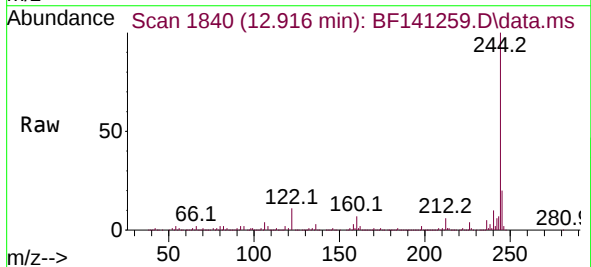
Instrument :
BNA_F
ClientSampleId :
REGULATOR-BUILDING-GRAVEL

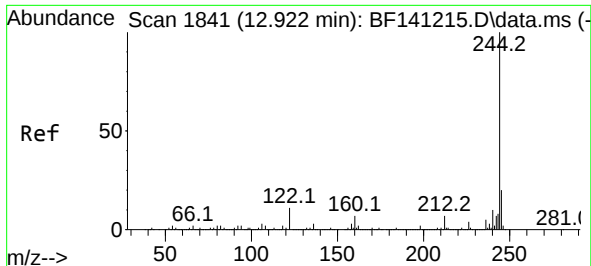
Tgt Ion:240 Resp: 494908
Ion Ratio Lower Upper
240 100
120 11.4 9.1 13.7
236 25.4 19.8 29.6



#77
Benidine
Concen: 2.278 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.235 min
Lab File: BF141259.D
Acq: 24 Jan 2025 13:50

Tgt Ion:184 Resp: 20906
Ion Ratio Lower Upper
184 100
185 16.0 11.4 17.0
183 6.3 9.2 13.8#

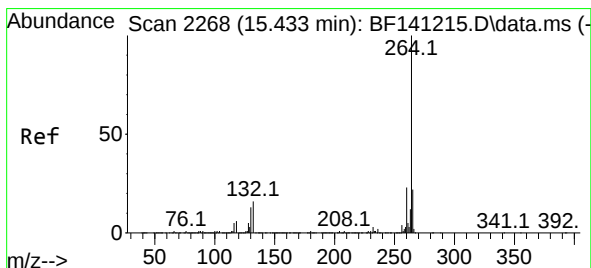
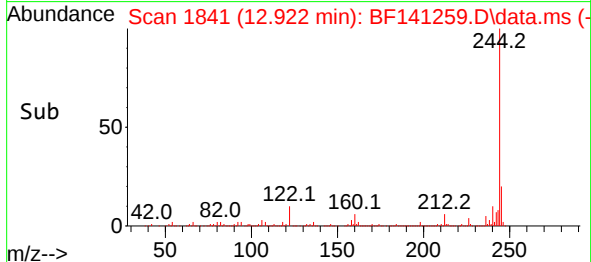
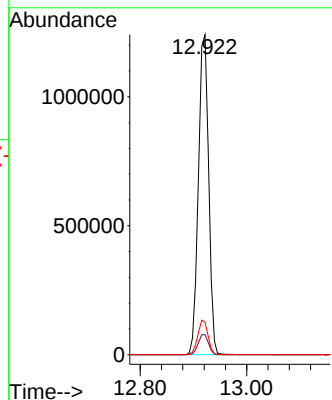
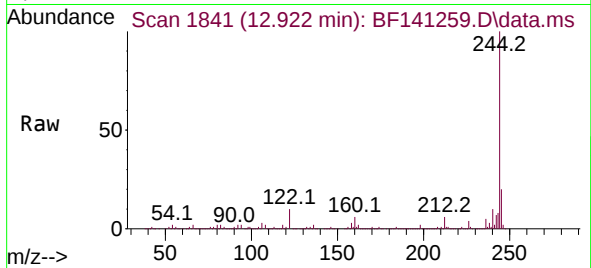




#79
 Terphenyl-d14
 Concen: 49.698 ng
 RT: 12.922 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF141259.D
 Acq: 24 Jan 2025 13:50

Instrument : BNA_F
 ClientSampleId : REGULATOR-BUILDING-GRAVEL

Tgt Ion:244 Resp: 1654829
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.2
 122 10.1 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2271
 Delta R.T. 0.012 min
 Lab File: BF141259.D
 Acq: 24 Jan 2025 13:50

Tgt Ion:264 Resp: 439720
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 21.5 17.4 26.0

