

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120723\
 Data File : BF136453.D
 Acq On : 07 Dec 2023 18:29
 Operator : CG\JU
 Sample : 05599-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LKWD-BACKFILL-03

Quant Time: Dec 08 00:41:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

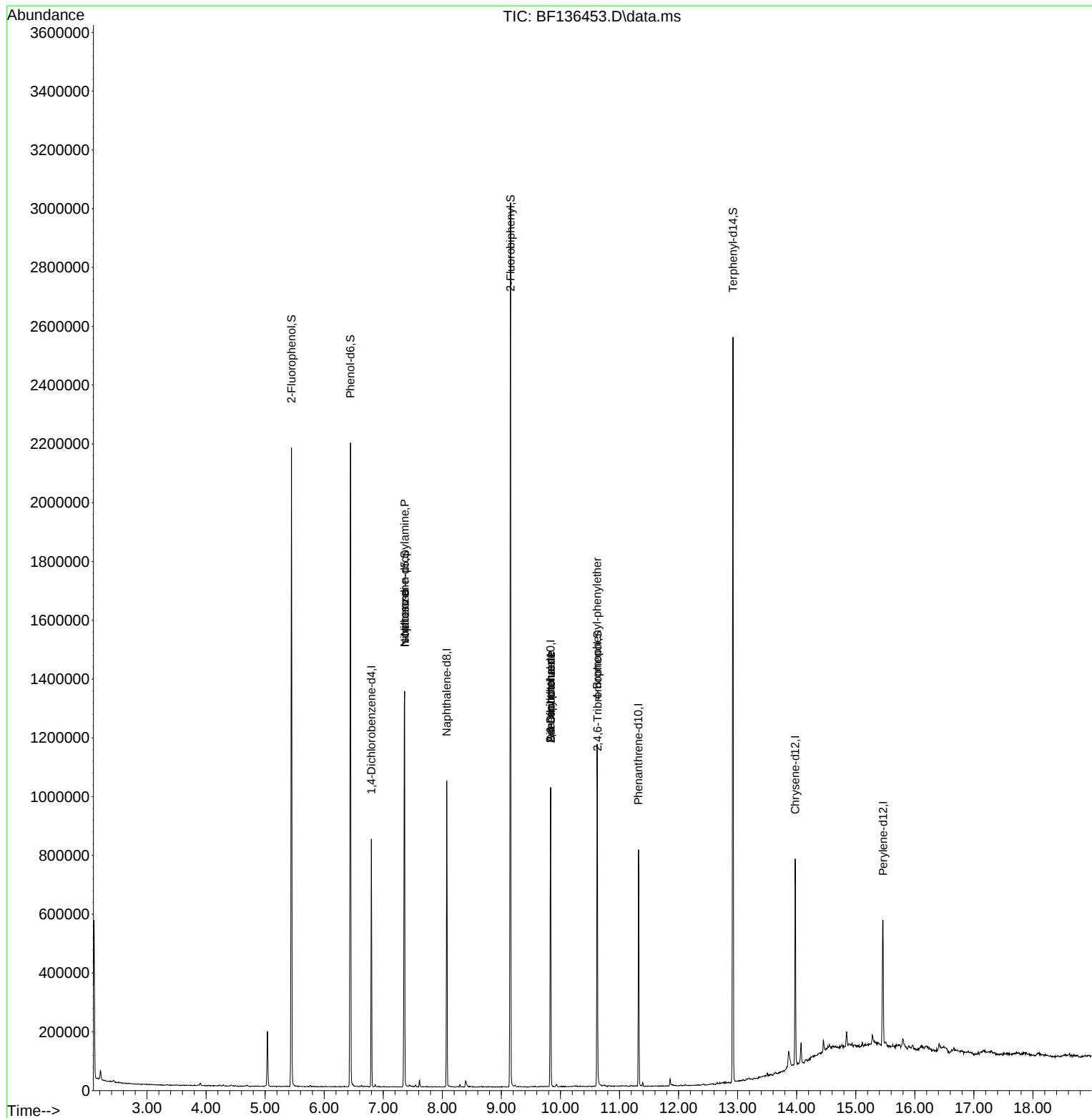
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	115660	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	439040	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	192492	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	292728	20.000	ng	0.00
76) Chrysene-d12	13.974	240	236582	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	211004	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	606105	77.392	ng	0.01
7) Phenol-d6	6.445	99	762264	78.011	ng	0.00
23) Nitrobenzene-d5	7.363	82	473693	58.327	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	150030	63.212	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	931786	66.051	ng	0.00
79) Terphenyl-d14	12.921	244	832715	46.392	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.445	77	1214	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.363	70	61238	10.864	ng	# 74
25) Isophorone	7.363	82	473689	32.465	ng	# 65
50) Dimethylphthalate	9.833	163	38982	2.751	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	24420	7.659	ng	# 29
57) 2,4-Dinitrotoluene	9.833	165	24420	5.790	ng	# 28
67) 4-Bromophenyl-phenylether	10.621	248	9145	2.687	ng	# 1
77) Benzidine	12.921	184	9300	Below Cal	#	94

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

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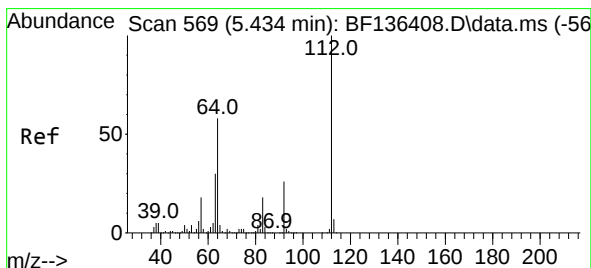
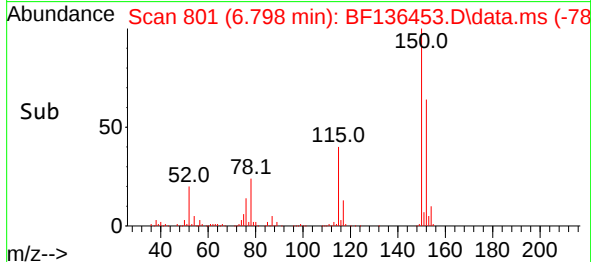
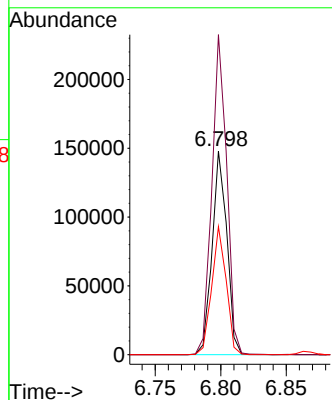
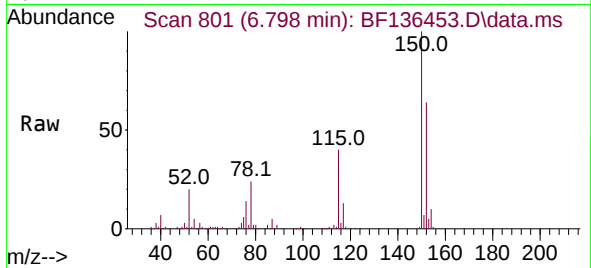




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

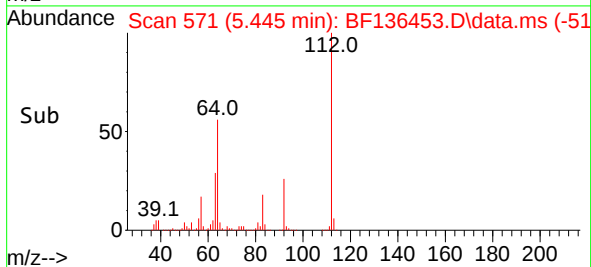
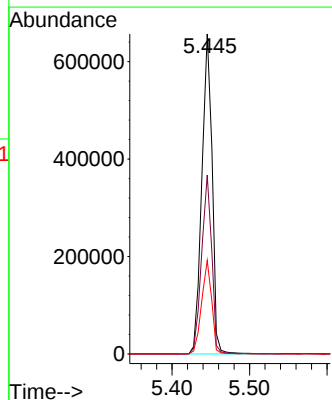
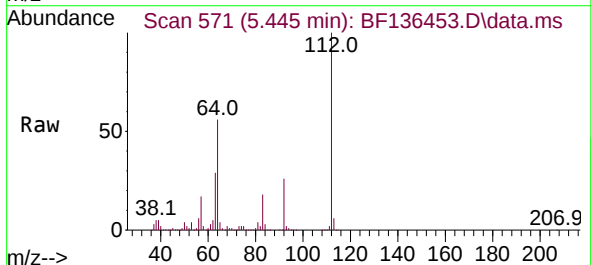
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-03

Tgt Ion:152 Resp: 115660
Ion Ratio Lower Upper
152 100
150 157.3 126.4 189.6
115 62.9 48.2 72.4



#5
2-Fluorophenol
Concen: 77.392 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion:112 Resp: 606105
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 29.2 23.9 35.9

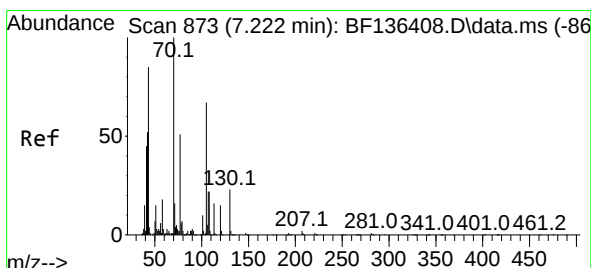
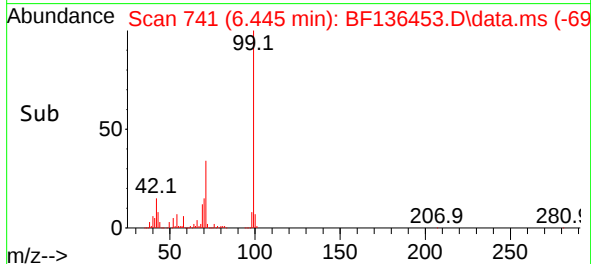
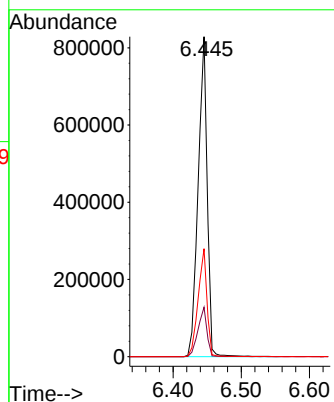
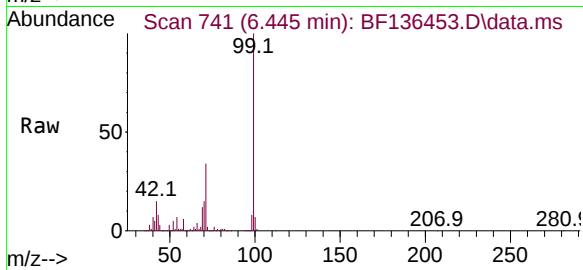




#7
Phenol-d6
Concen: 78.011 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

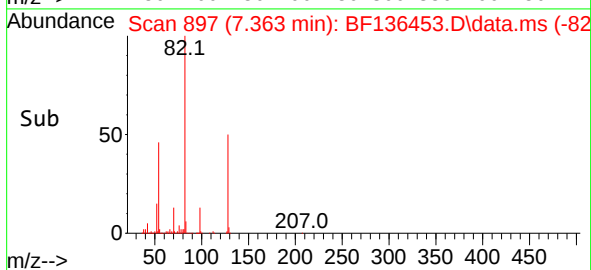
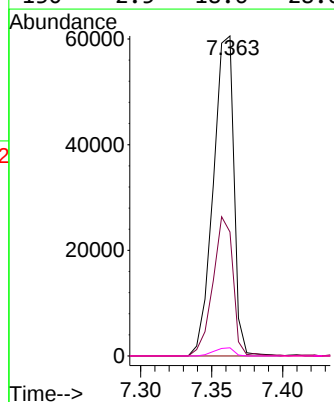
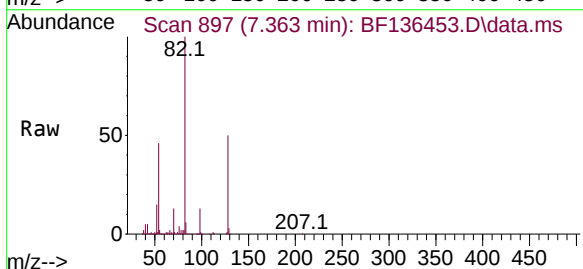
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ClientSampleId :
LKWD-BACKFILL-03

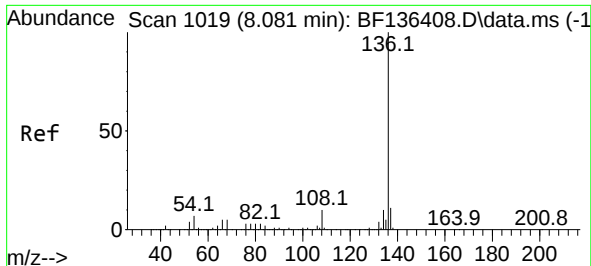
Tgt Ion: 99 Resp: 762264
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.7 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.864 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion: 70 Resp: 61238
Ion Ratio Lower Upper
70 100
42 38.7 41.4 62.0#
101 0.0 8.2 12.4#
130 2.5 18.6 28.0#

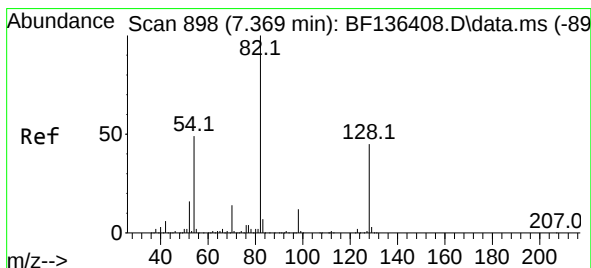
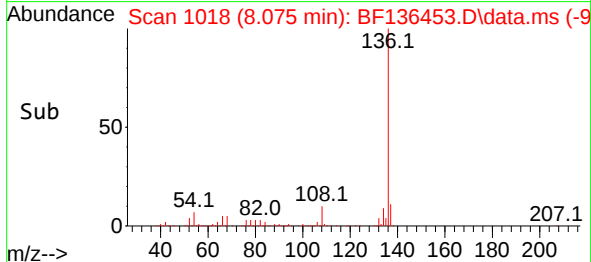
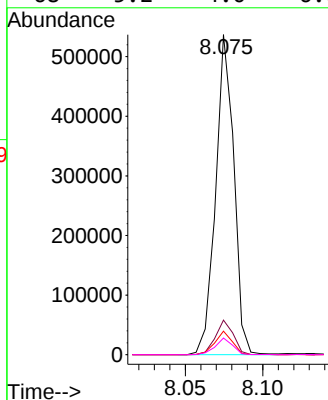
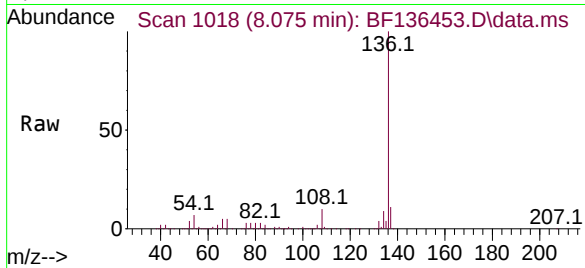




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

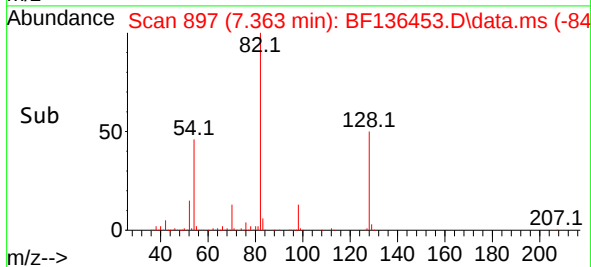
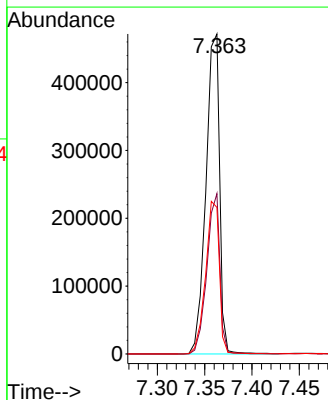
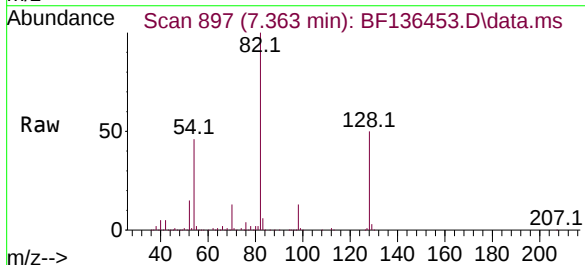
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-03

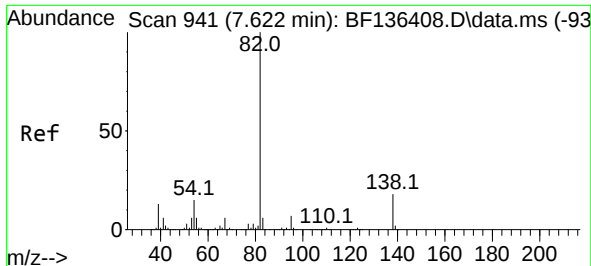
Tgt Ion:136 Resp: 439040
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.4 5.7 8.5
68 5.2 4.0 6.0



#23
Nitrobenzene-d5
Concen: 58.327 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion: 82 Resp: 473693
Ion Ratio Lower Upper
82 100
128 50.1 36.3 54.5
54 45.8 39.0 58.6

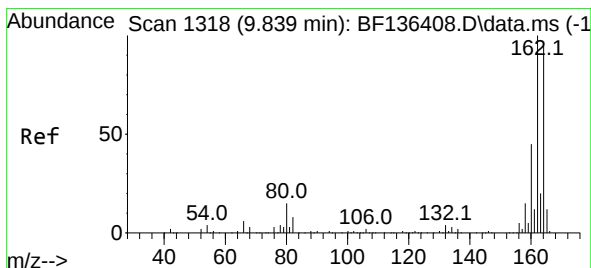
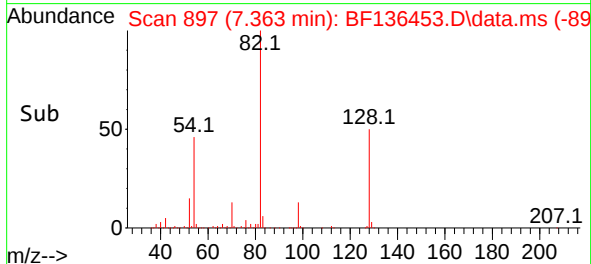
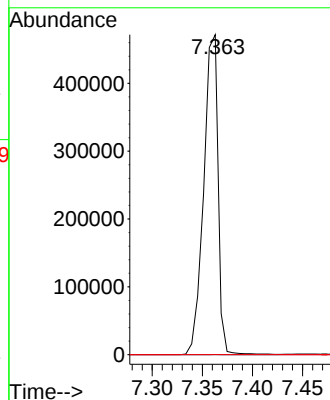
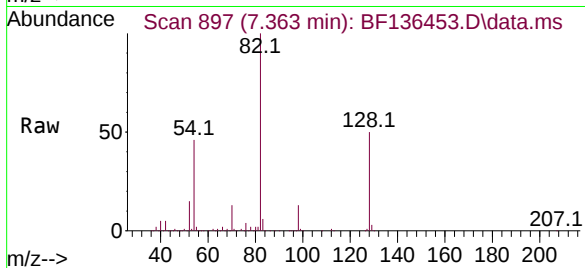




#25
Isophorone
Concen: 32.465 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

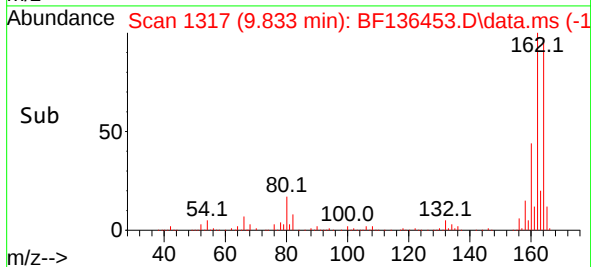
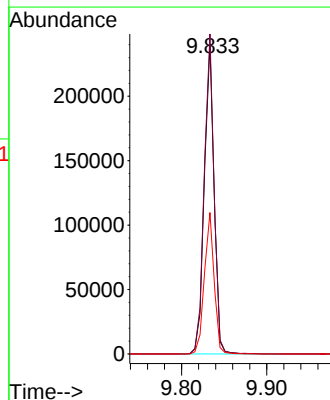
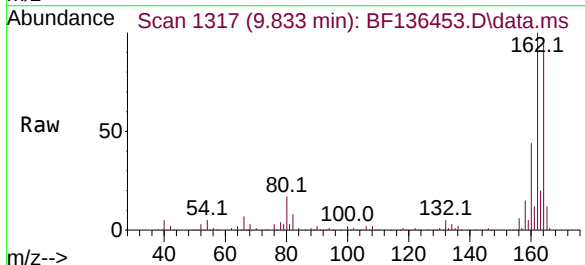
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-03

Tgt Ion: 82 Resp: 473689
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion:164 Resp: 192492
Ion Ratio Lower Upper
164 100
162 103.2 84.4 126.6
160 45.6 37.6 56.4

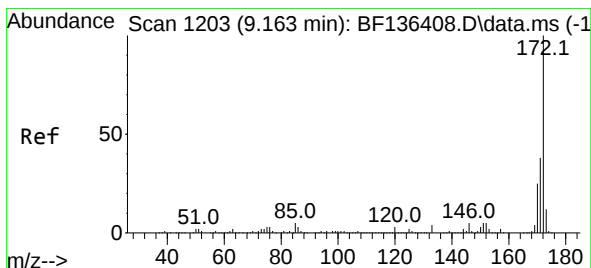
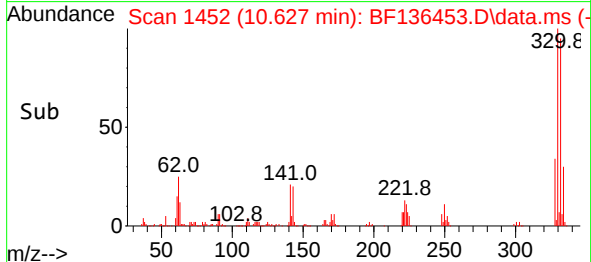
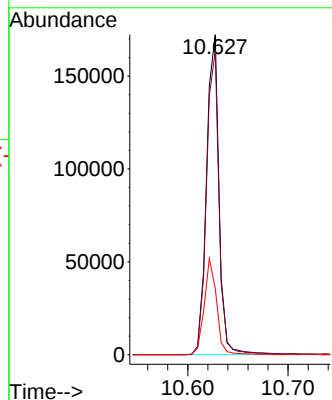
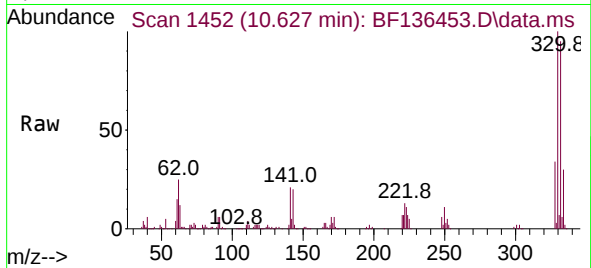




#42
2,4,6-Tribromophenol
Concen: 63.212 ng
RT: 10.627 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

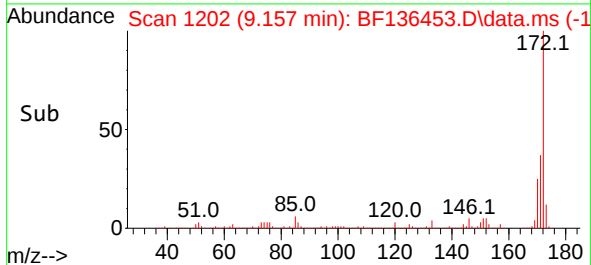
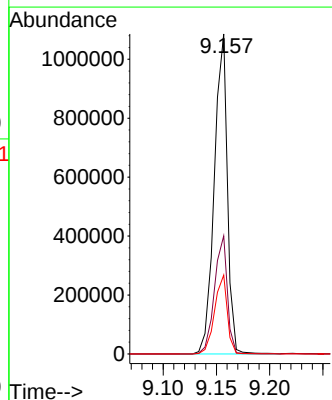
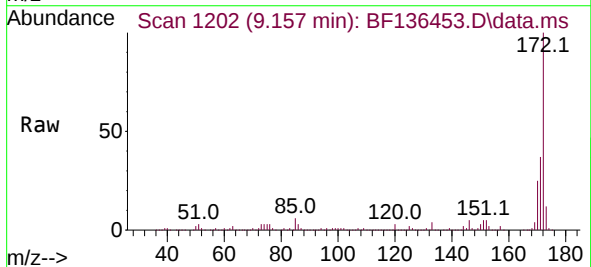
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ClientSampleId :
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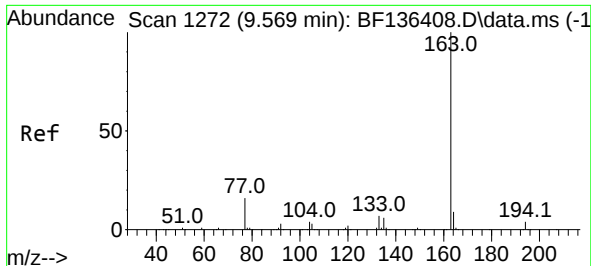
Tgt Ion:330 Resp: 150030
Ion Ratio Lower Upper
330 100
332 95.7 76.4 114.6
141 29.7 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 66.051 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion:172 Resp: 931786
Ion Ratio Lower Upper
172 100
171 36.9 30.5 45.7
170 24.7 19.9 29.9

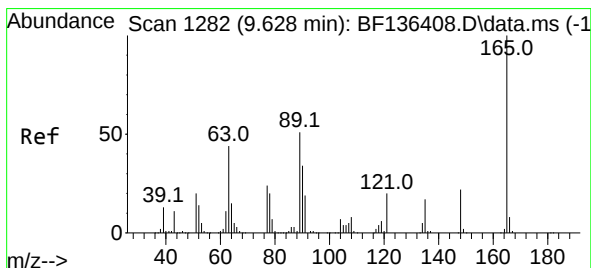
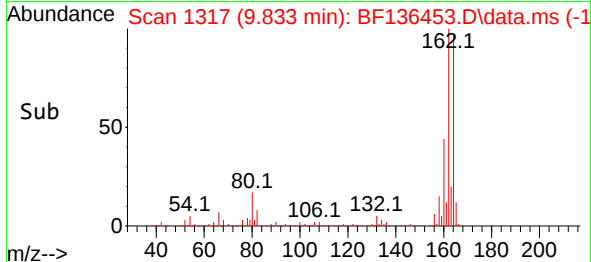
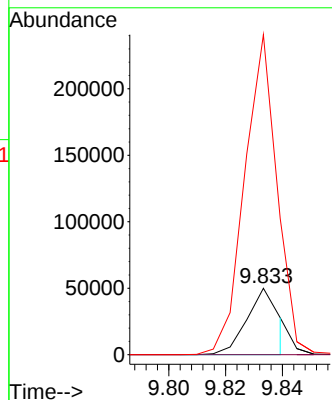
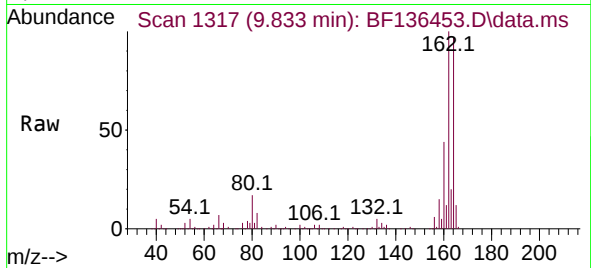




#50
Dimethylphthalate
Concen: 2.751 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

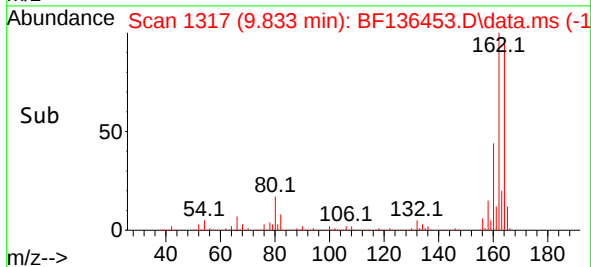
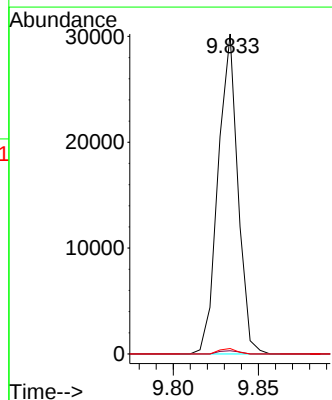
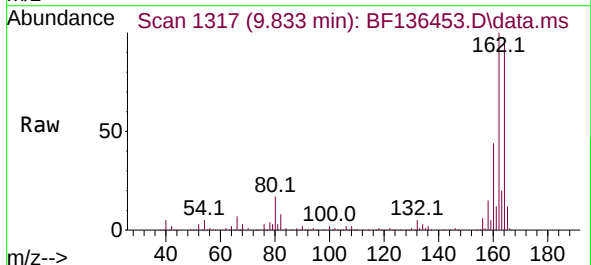
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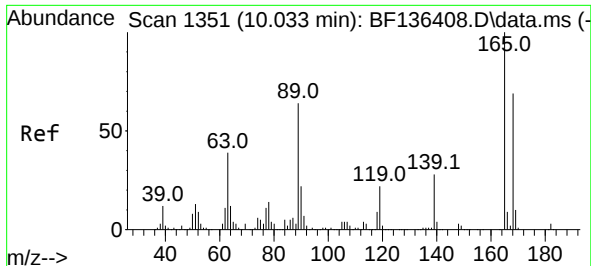
Tgt Ion:163 Resp: 38982
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 482.3 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.659 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion:165 Resp: 24420
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 1.7 40.6 60.8#

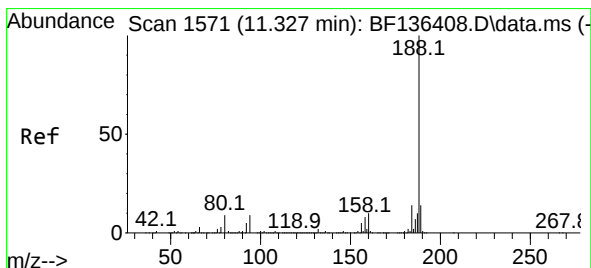
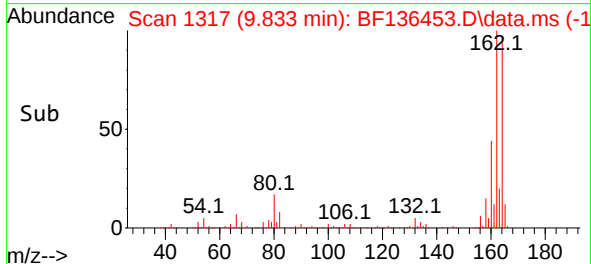
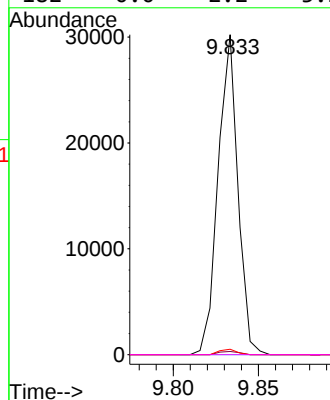
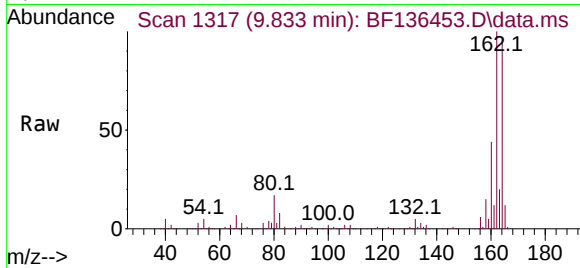




#57
2,4-Dinitrotoluene
Concen: 5.790 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

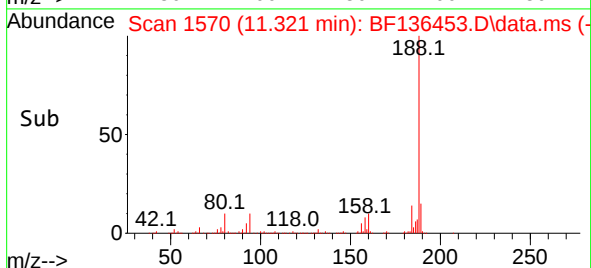
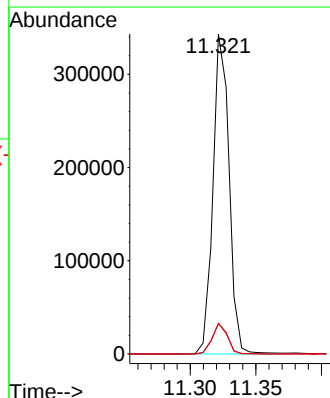
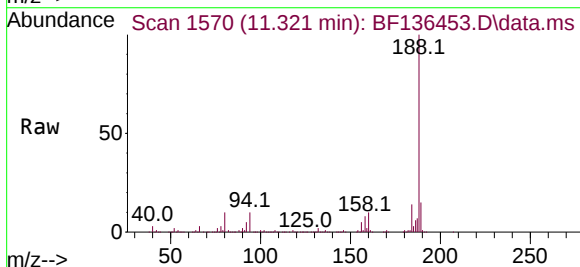
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ClientSampleId :
LKWD-BACKFILL-03

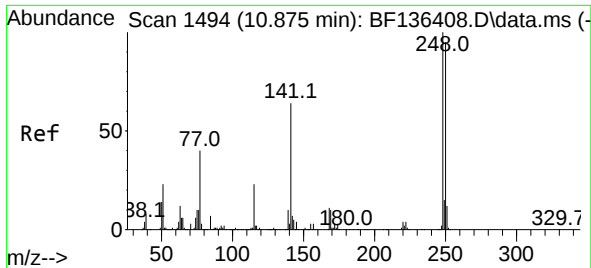
Tgt Ion:165 Resp: 24420
Ion Ratio Lower Upper
165 100
63 1.0 31.4 47.2#
89 1.7 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion:188 Resp: 292728
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 9.6 7.2 10.8

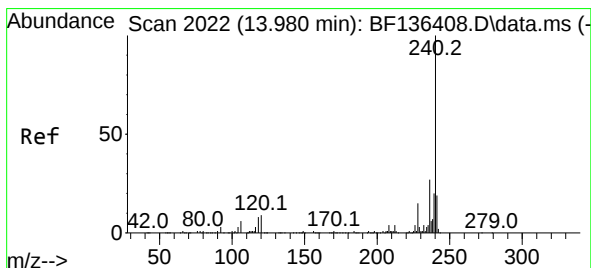
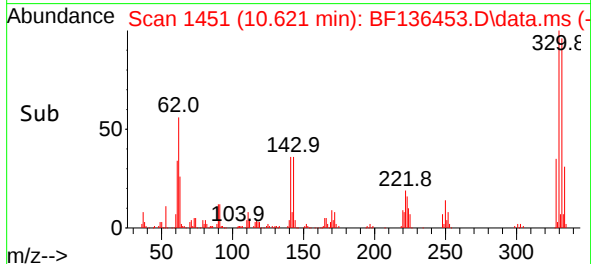
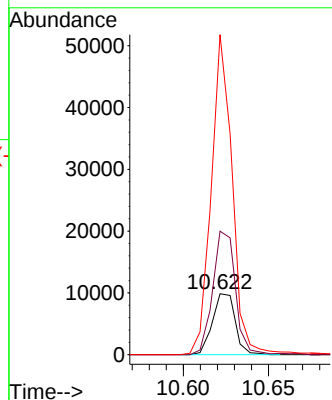
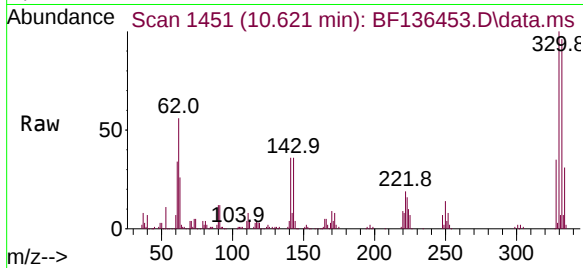




#67
4-Bromophenyl-phenylether
Concen: 2.687 ng
RT: 10.621 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

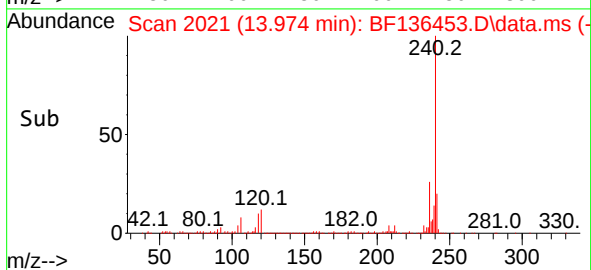
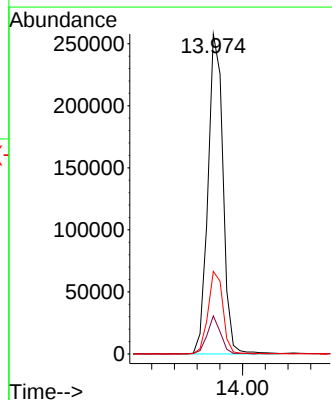
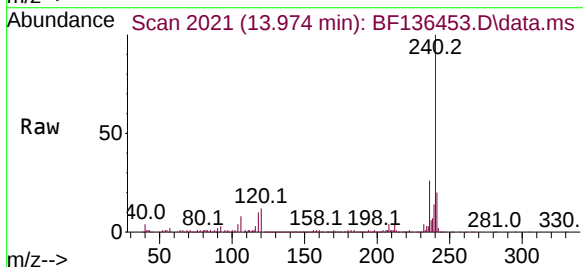
Instrument :
BNA_F
ClientSampleId :
LKWD-BACKFILL-03

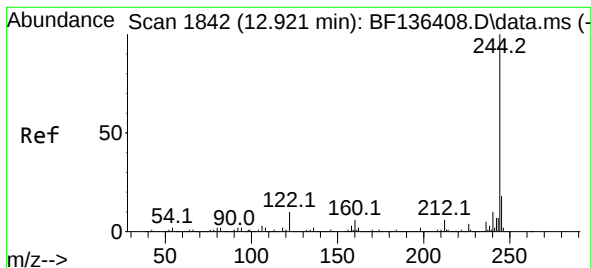
Tgt Ion:248 Resp: 9145
Ion Ratio Lower Upper
248 100
250 202.7 76.2 114.2#
141 525.2 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136453.D
Acq: 07 Dec 2023 18:29

Tgt Ion:240 Resp: 236582
Ion Ratio Lower Upper
240 100
120 11.9 7.3 10.9#
236 25.8 21.3 31.9





#79

Terphenyl-d14

Concen: 46.392 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF136453.D

Acq: 07 Dec 2023 18:29

Instrument :

BNA_F

ClientSampleId :

LKWD-BACKFILL-03

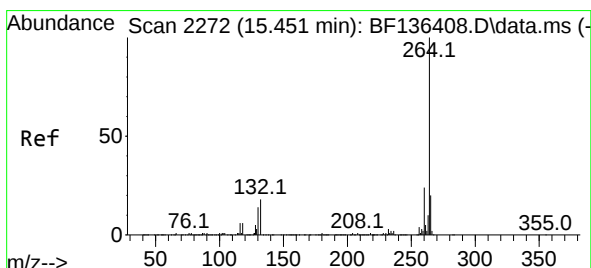
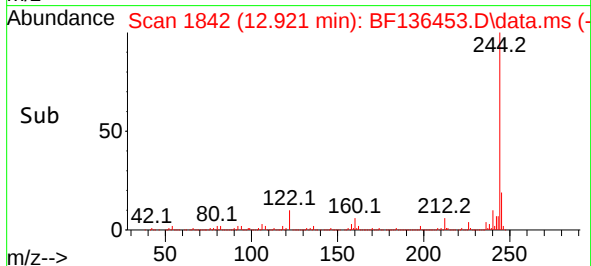
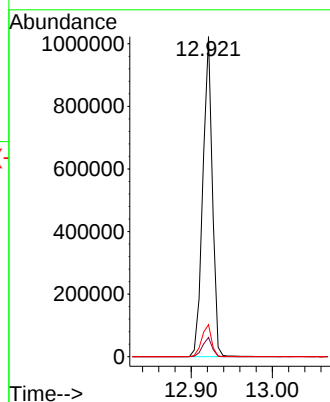
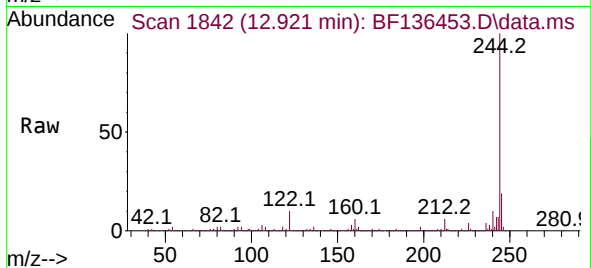
Tgt Ion:244 Resp: 832715

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 10.0 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. 0.012 min

Lab File: BF136453.D

Acq: 07 Dec 2023 18:29

Tgt Ion:264 Resp: 211004

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

265 20.4 15.9 23.9

