

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136753.D
 Acq On : 27 Dec 2023 12:21
 Operator : CG\JU
 Sample : 05921-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-303-20231218

Quant Time: Dec 27 12:48:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

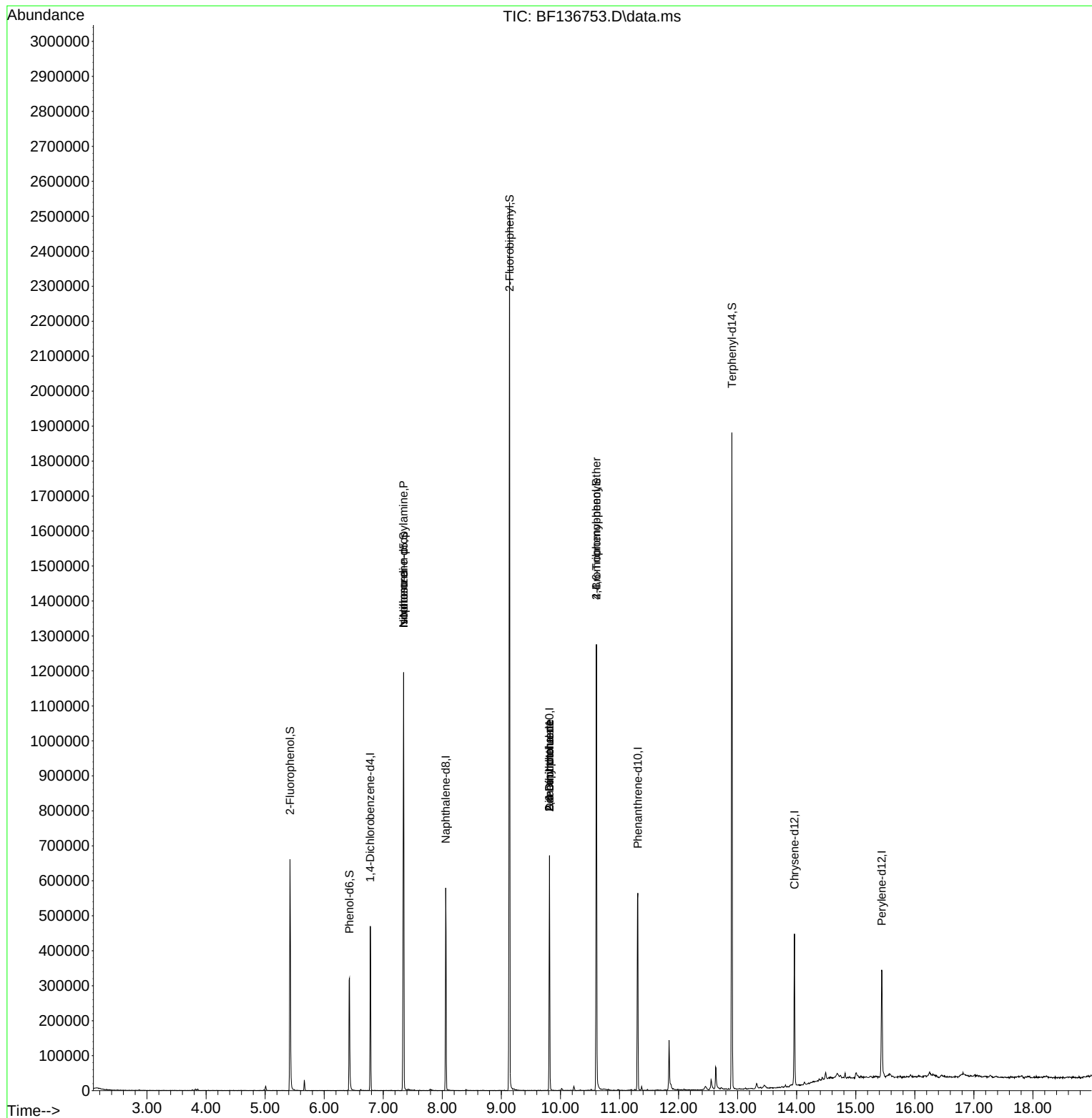
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	65967	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	246961	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	124623	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	222958	20.000	ng	0.00
76) Chrysene-d12	13.963	240	134529	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	153000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	171299	40.517	ng	0.00
7) Phenol-d6	6.428	99	117539	21.455	ng	-0.01
23) Nitrobenzene-d5	7.345	82	379188	78.569	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	158295	107.851	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	749193	80.856	ng	-0.01
79) Terphenyl-d14	12.904	244	658961	68.452	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	49250	14.830	ng	# 76
25) Isophorone	7.345	82	379184	43.179	ng	# 65
50) Dimethylphthalate	9.816	163	24905	2.736	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	15636	7.569	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	15636	5.830	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	9455	3.818	ng	# 1

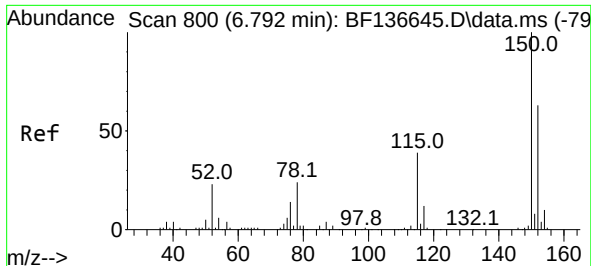
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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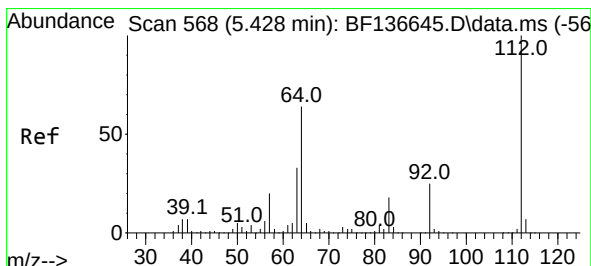
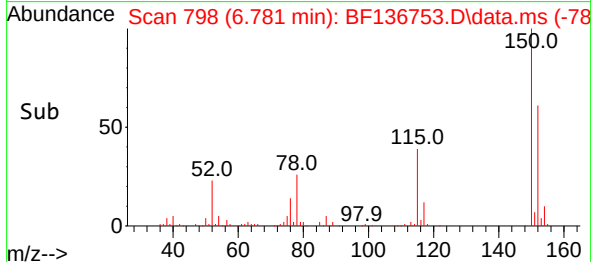
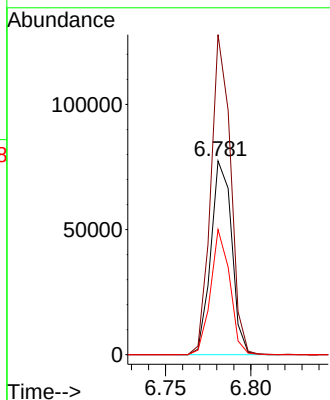
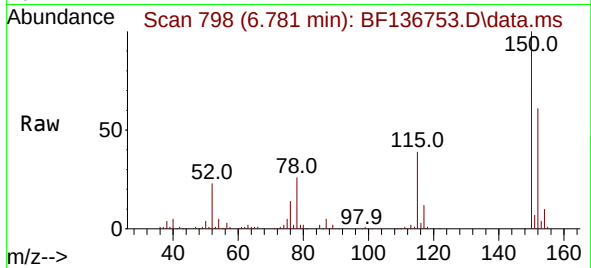




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

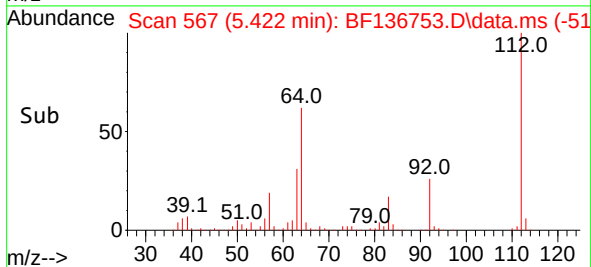
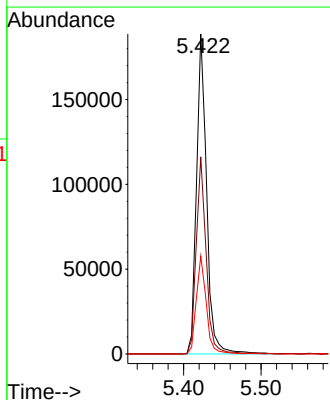
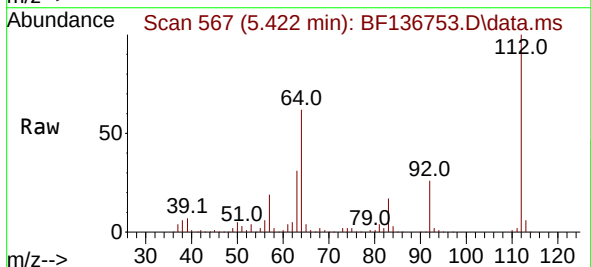
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

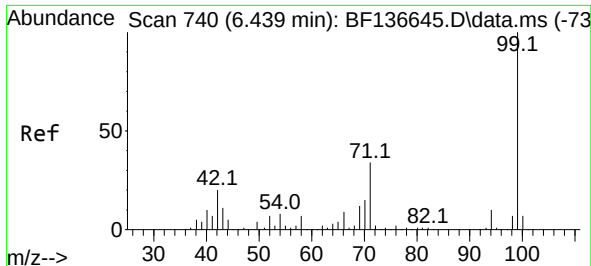
Tgt Ion:152 Resp: 65967
Ion Ratio Lower Upper
152 100
150 165.1 127.0 190.6
115 64.6 49.0 73.4



#5
2-Fluorophenol
Concen: 40.517 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

Tgt Ion:112 Resp: 171299
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 30.6 26.1 39.1

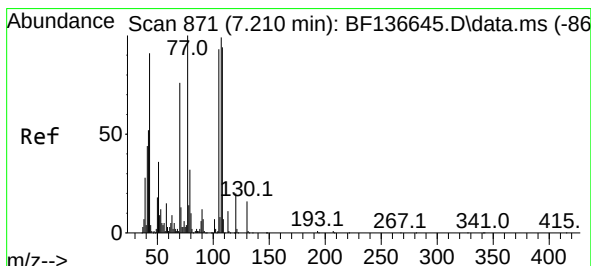
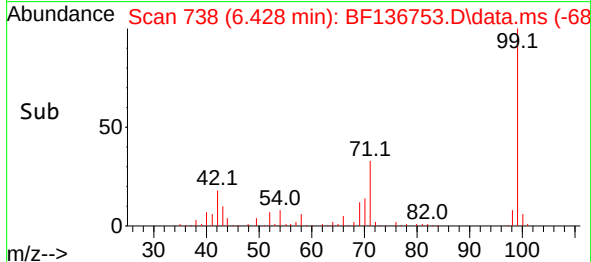
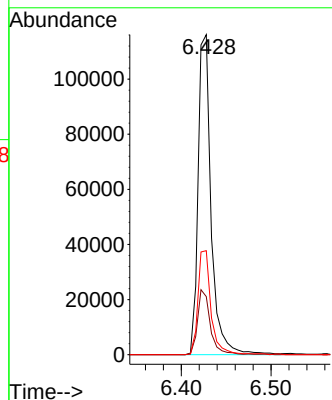
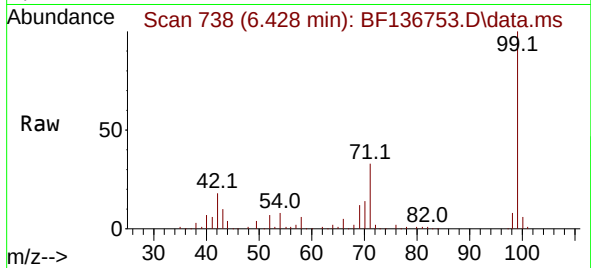




#7
Phenol-d6
Concen: 21.455 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

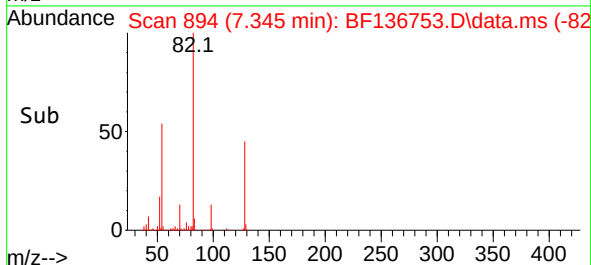
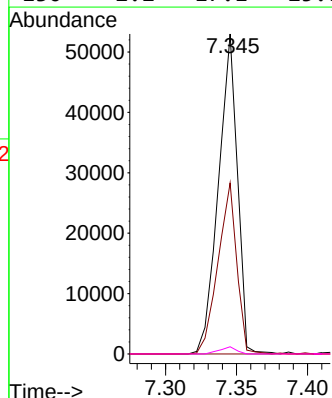
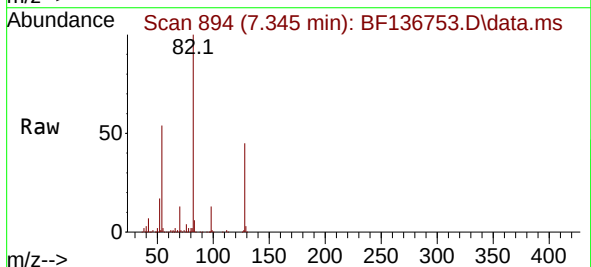
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

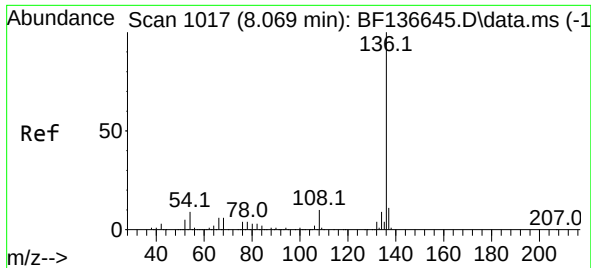
Tgt Ion: 99 Resp: 117539
Ion Ratio Lower Upper
99 100
42 18.2 16.1 24.1
71 32.5 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.830 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

Tgt Ion: 70 Resp: 49250
Ion Ratio Lower Upper
70 100
42 53.4 54.2 81.4#
101 0.0 7.6 11.4#
130 2.2 17.1 25.7#

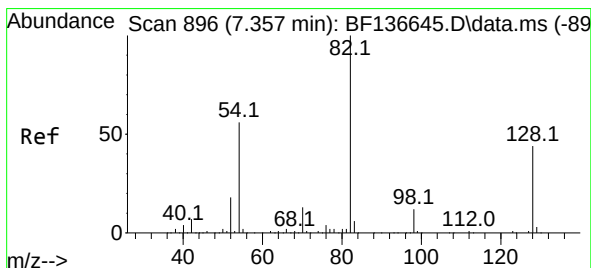
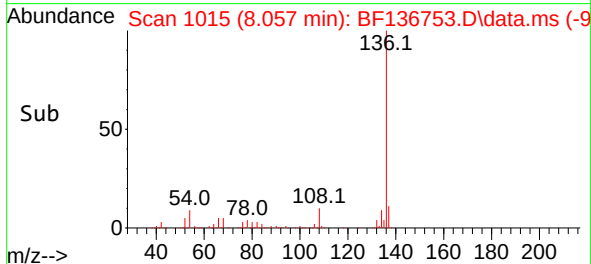
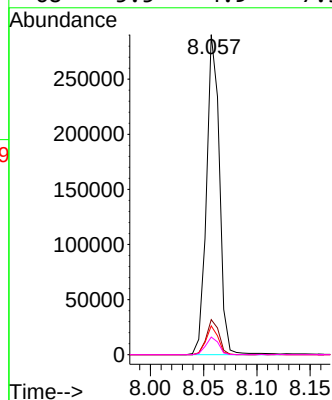
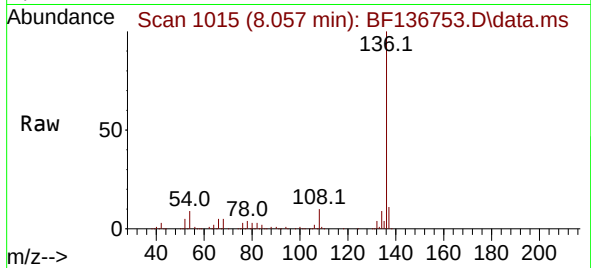




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

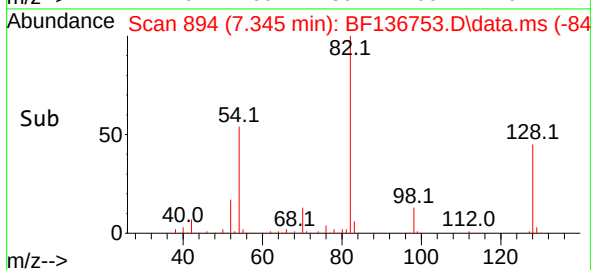
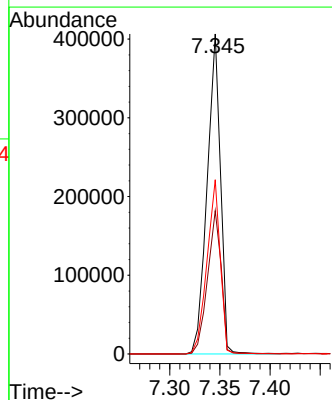
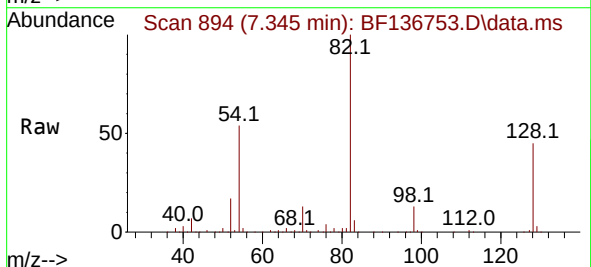
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

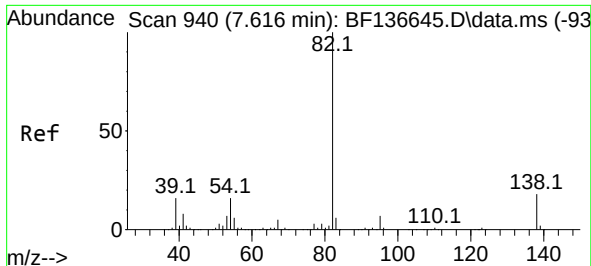
Tgt Ion:136 Resp: 246961
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.0 7.2 10.8
68 5.5 4.9 7.3



#23
Nitrobenzene-d5
Concen: 78.569 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

Tgt Ion: 82 Resp: 379188
Ion Ratio Lower Upper
82 100
128 44.8 35.3 52.9
54 54.4 44.5 66.7

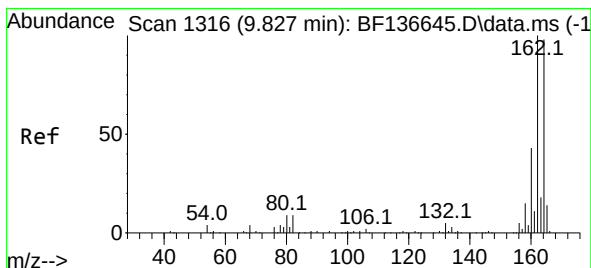
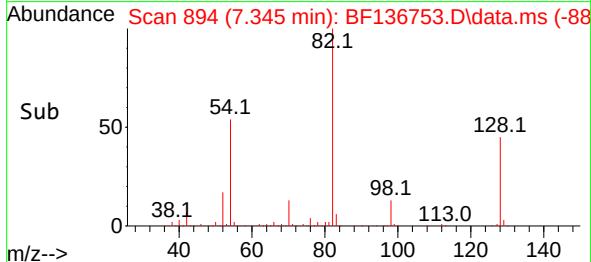
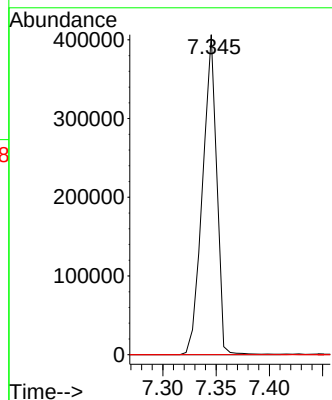
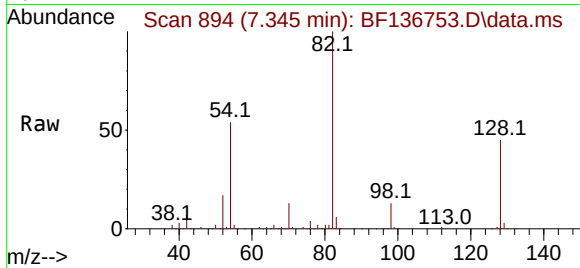




#25
Isophorone
Concen: 43.179 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

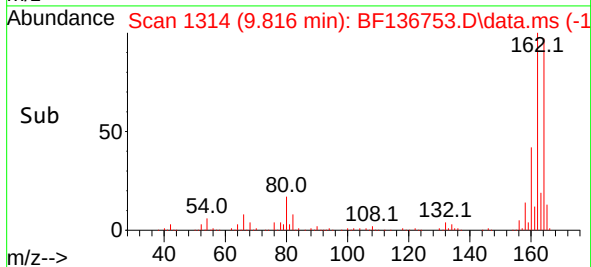
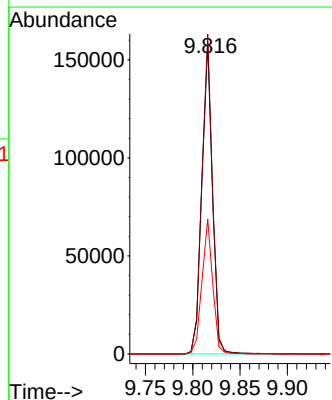
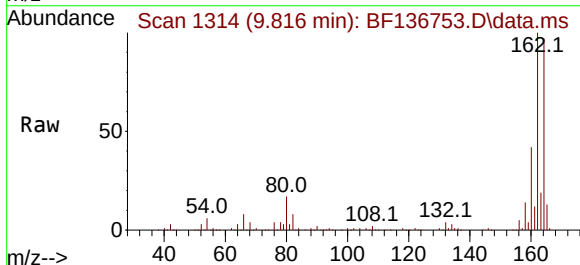
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

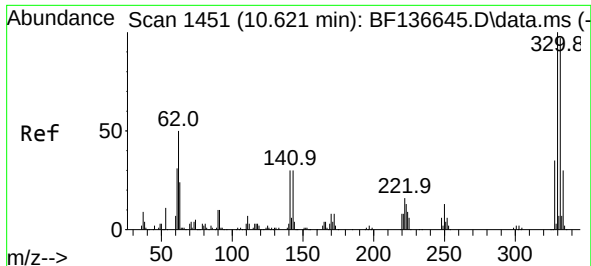
Tgt Ion: 82 Resp: 379184
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

Tgt Ion:164 Resp: 124623
Ion Ratio Lower Upper
164 100
162 103.0 81.6 122.4
160 43.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 107.851 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136753.D

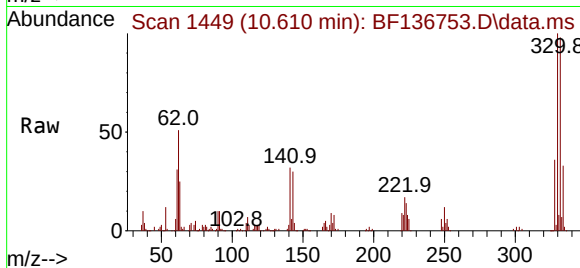
Acq: 27 Dec 2023 12:21

Instrument :

BNA_F

ClientSampleId :

SP-303-20231218



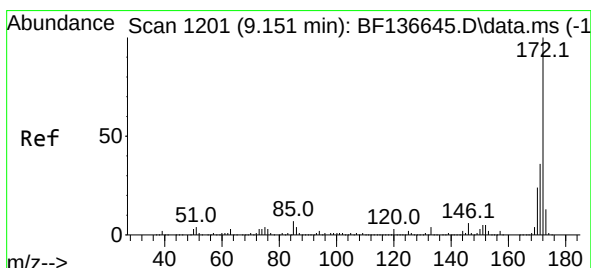
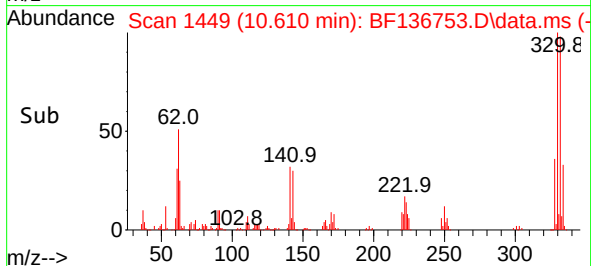
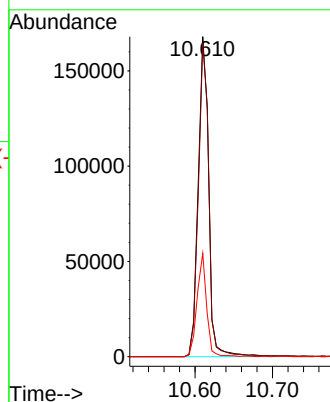
Tgt Ion:330 Resp: 158295

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.0

141 29.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 80.856 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136753.D

Acq: 27 Dec 2023 12:21

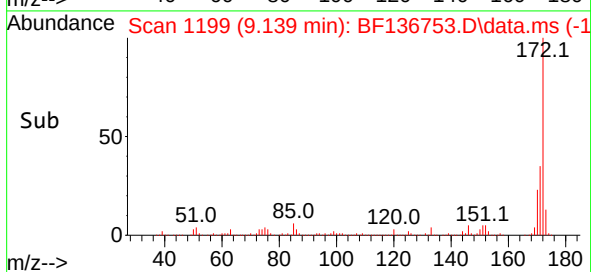
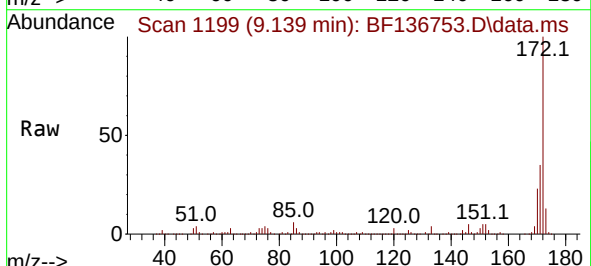
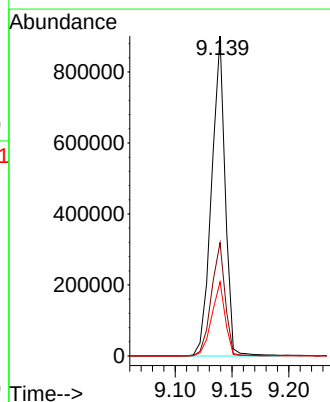
Tgt Ion:172 Resp: 749193

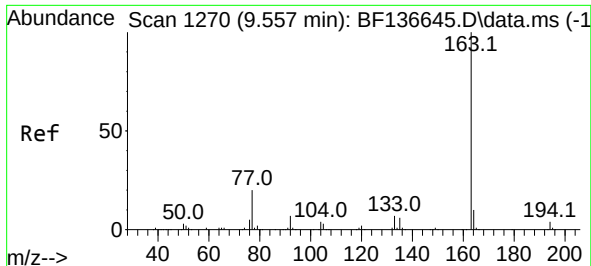
Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 23.1 19.0 28.4

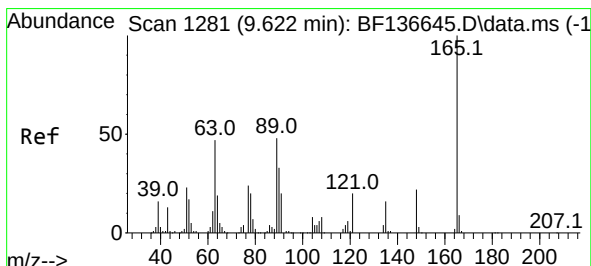
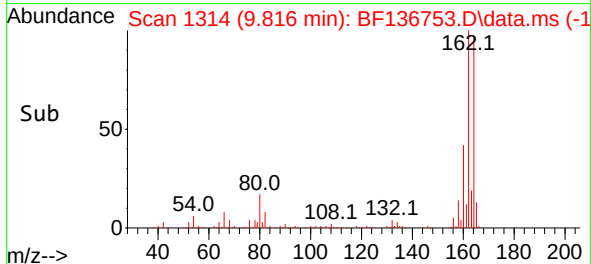
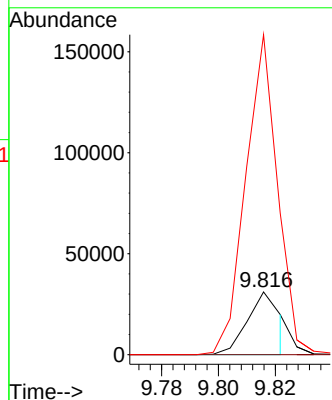
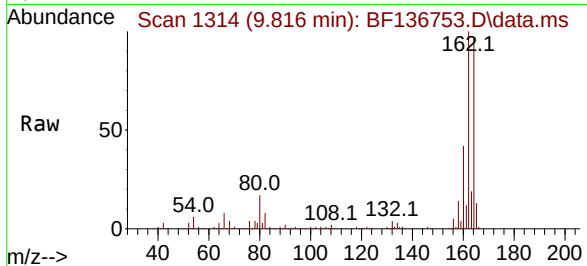




#50
Dimethylphthalate
Concen: 2.736 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

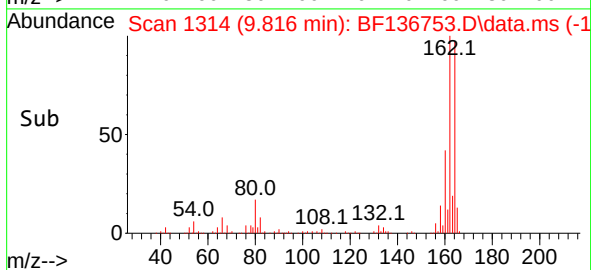
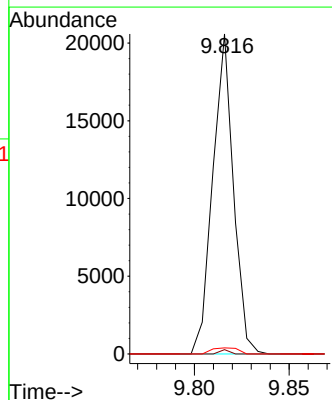
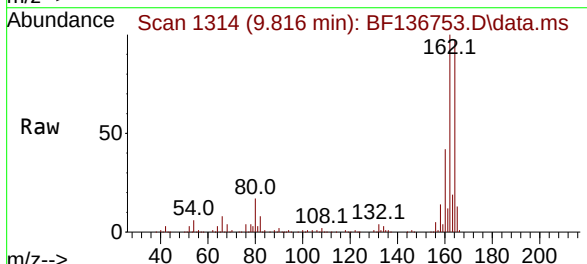
Instrument :
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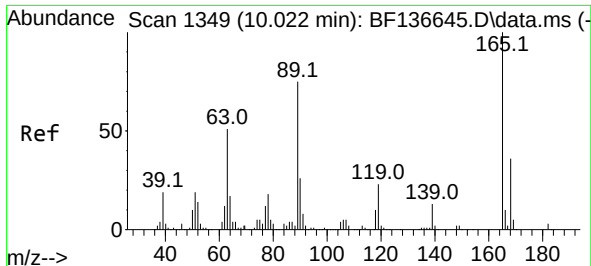
Tgt Ion:163 Resp: 24905
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 510.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.569 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

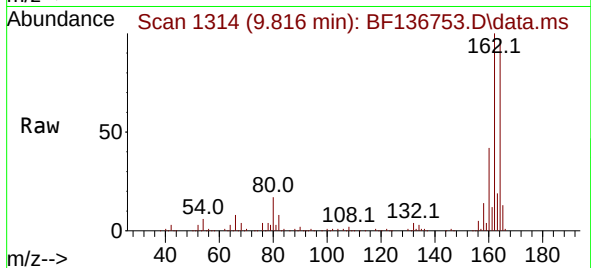
Tgt Ion:165 Resp: 15636
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.9 38.8 58.2#



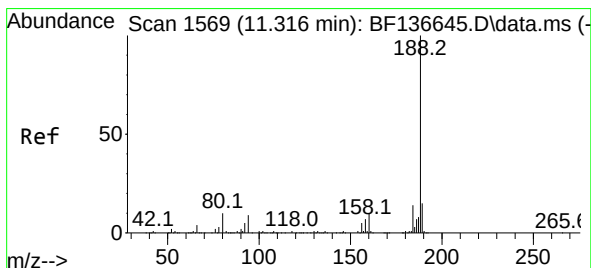
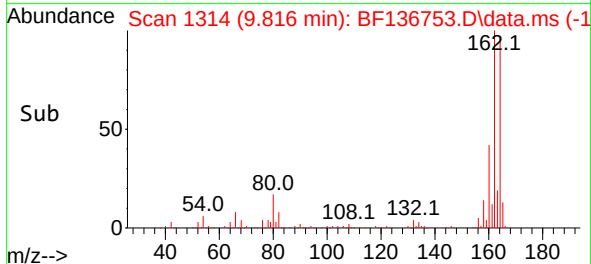
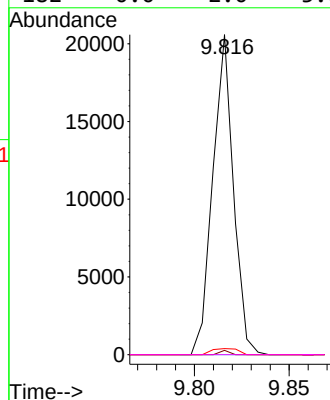


#57
2,4-Dinitrotoluene
Concen: 5.830 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

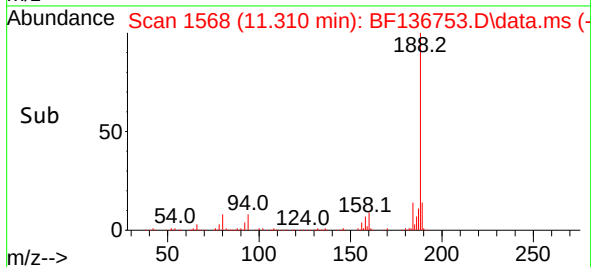
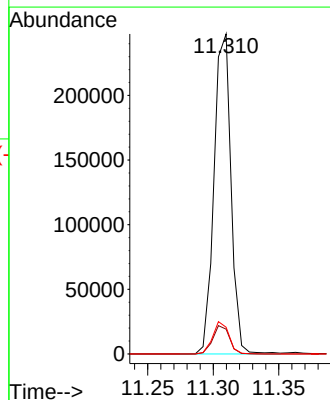
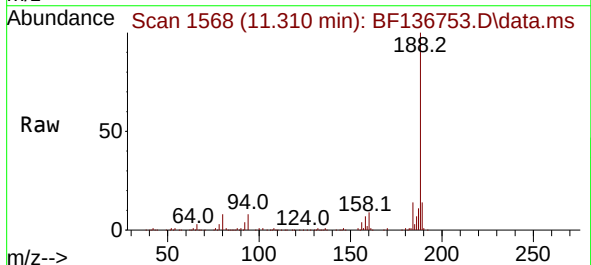


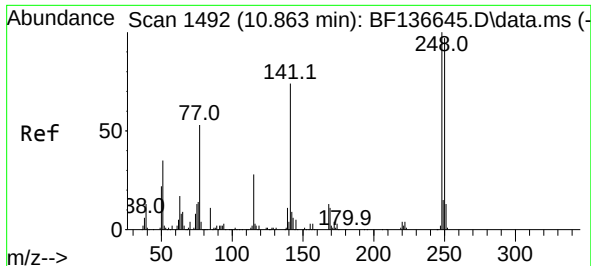
Tgt Ion:165 Resp: 15636
Ion Ratio Lower Upper
165 100
63 1.4 41.0 61.6#
89 1.9 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

Tgt Ion:188 Resp: 222958
Ion Ratio Lower Upper
188 100
94 7.8 7.5 11.3
80 8.3 8.1 12.1

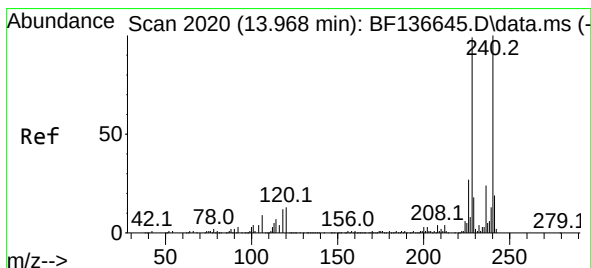
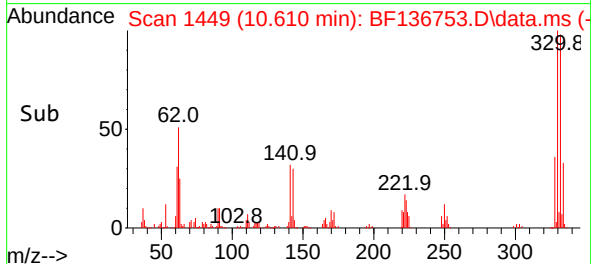
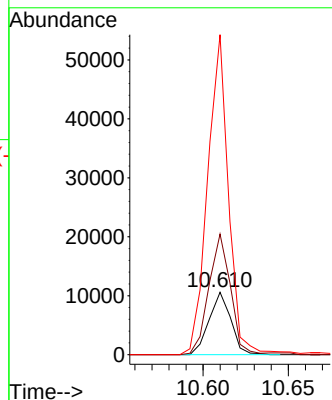
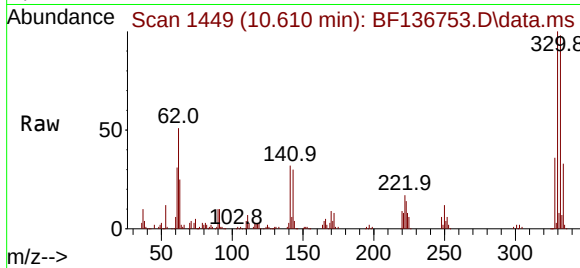




#67
4-Bromophenyl-phenylether
Concen: 3.818 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

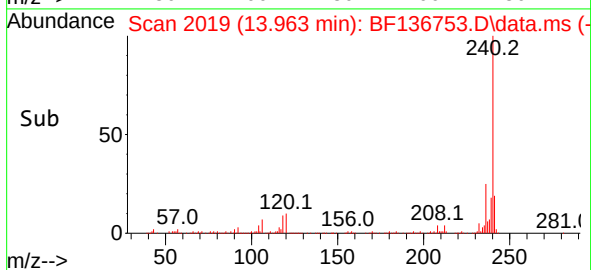
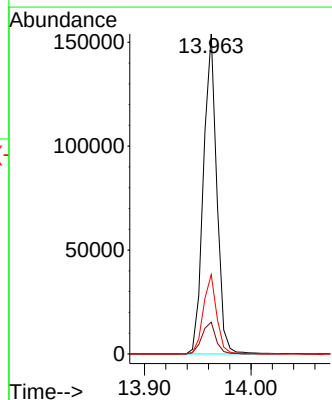
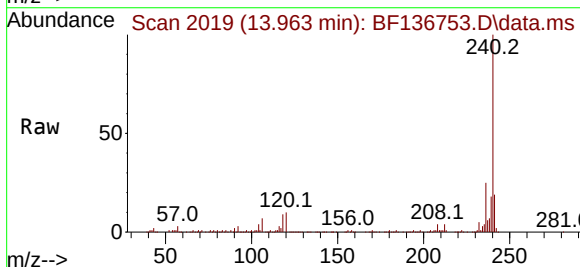
Instrument :
BNA_F
ClientSampleId :
SP-303-20231218

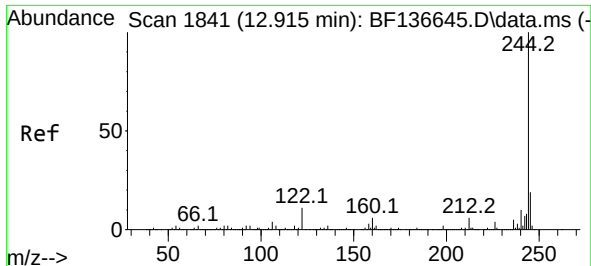
Tgt Ion:248 Resp: 9455
Ion Ratio Lower Upper
248 100
250 193.6 77.8 116.6#
141 513.3 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136753.D
Acq: 27 Dec 2023 12:21

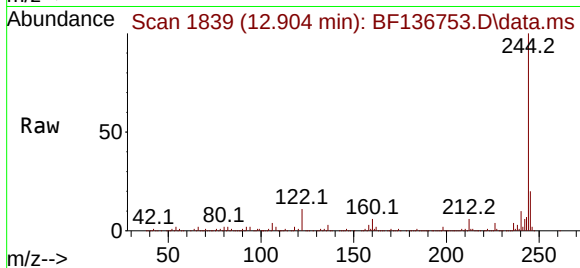
Tgt Ion:240 Resp: 134529
Ion Ratio Lower Upper
240 100
120 10.0 10.3 15.5#
236 24.8 19.4 29.2



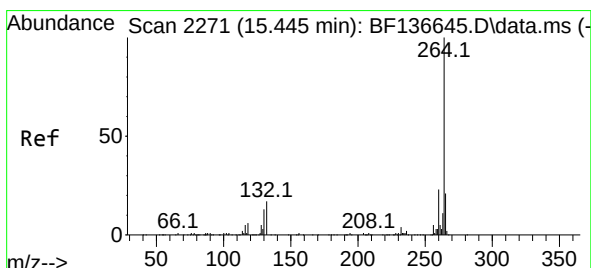
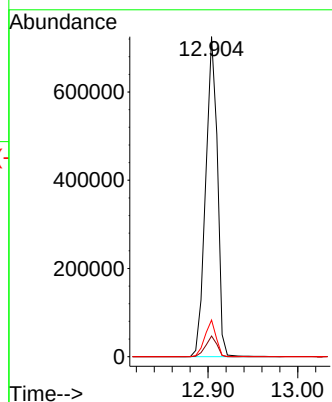
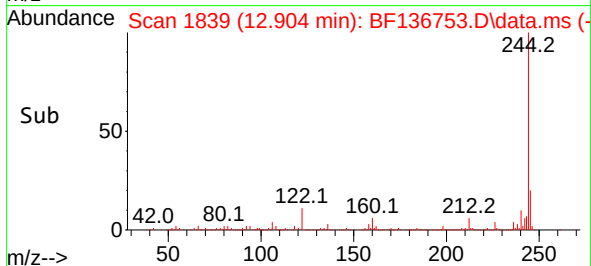


#79
 Terphenyl-d14
 Concen: 68.452 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136753.D
 Acq: 27 Dec 2023 12:21

Instrument :
 BNA_F
 ClientSampleId :
 SP-303-20231218



Tgt Ion:244 Resp: 658961
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 11.5 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.006 min
 Lab File: BF136753.D
 Acq: 27 Dec 2023 12:21

Tgt Ion:264 Resp: 153000
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.3 27.5
 265 20.7 17.0 25.6

