

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122123\
 Data File : BF136673.D
 Acq On : 21 Dec 2023 17:18
 Operator : CG\JU
 Sample : 05887-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-121423

Quant Time: Dec 21 22:44:30 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)

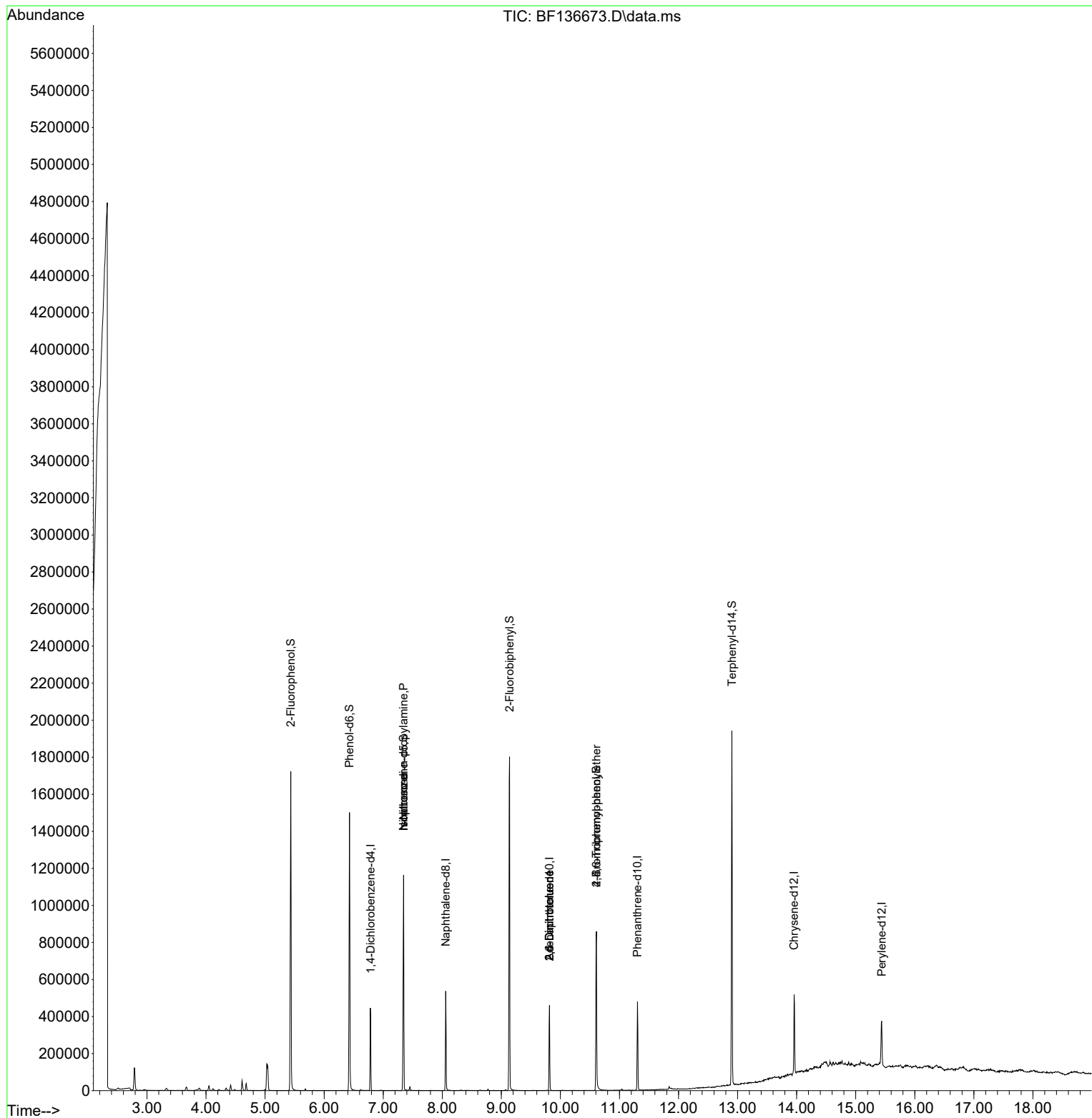
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	65072	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	216914	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	88623	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	166616	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	145262	20.000	ng	-0.01
86) Perylene-d12	15.439	264	118011	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	454861	109.066	ng	0.00
7) Phenol-d6	6.428	99	495169	91.630	ng	-0.01
23) Nitrobenzene-d5	7.345	82	338701	79.901	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	119665	114.651	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	584040	88.637	ng	-0.01
79) Terphenyl-d14	12.904	244	666579	64.127	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	44428	13.562	ng	# 74
25) Isophorone	7.345	82	338698	43.911	ng	# 65
51) 2,6-Dinitrotoluene	9.816	165	11644	7.926	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	11644	6.105	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	7114	3.845	ng	# 1

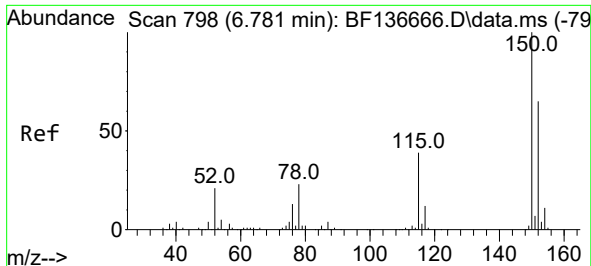
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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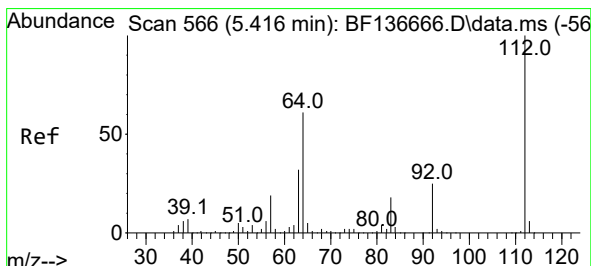
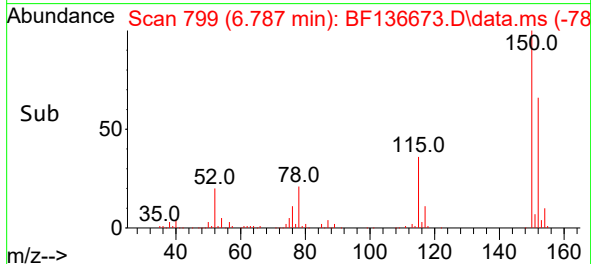
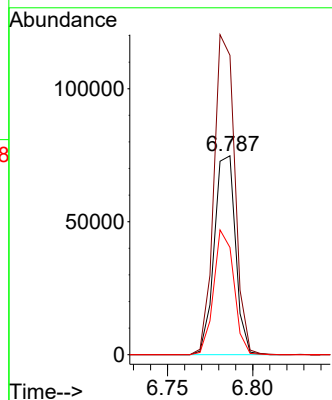
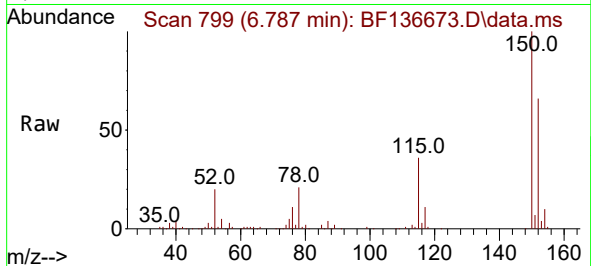




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

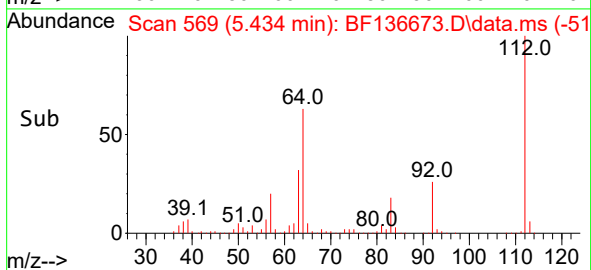
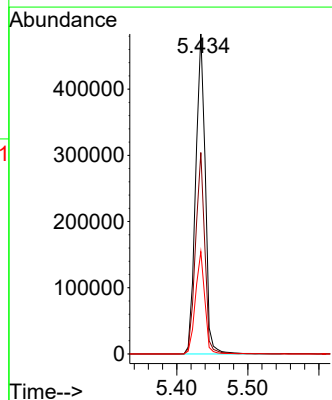
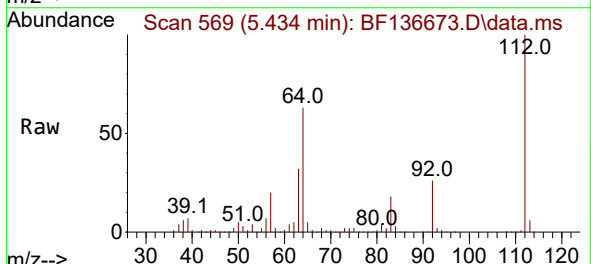
Instrument :
BNA_F
ClientSampleId :
WC-121423

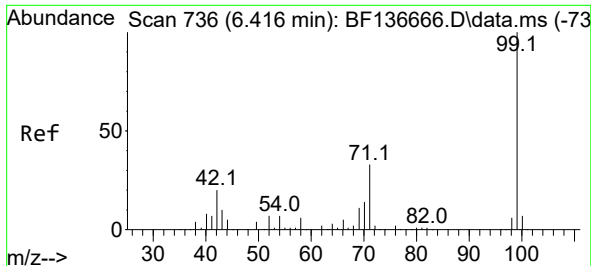
Tgt Ion:152 Resp: 65072
Ion Ratio Lower Upper
152 100
150 150.4 127.0 190.6
115 53.9 49.0 73.4



#5
2-Fluorophenol
Concen: 109.066 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

Tgt Ion:112 Resp: 454861
Ion Ratio Lower Upper
112 100
64 62.9 51.1 76.7
63 32.0 26.1 39.1

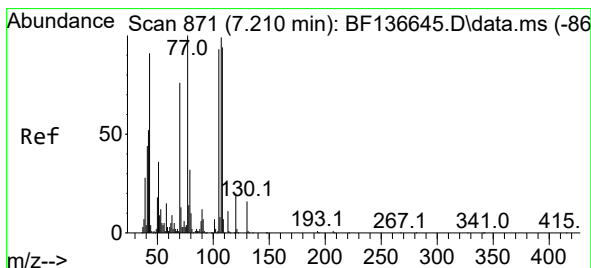
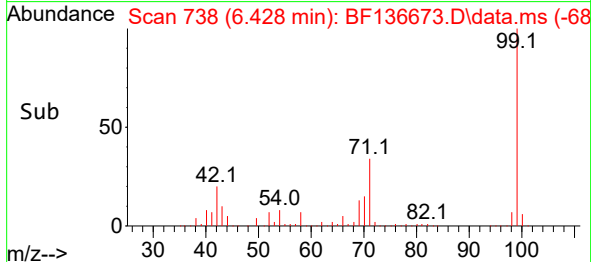
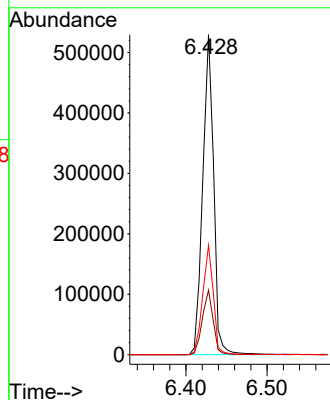
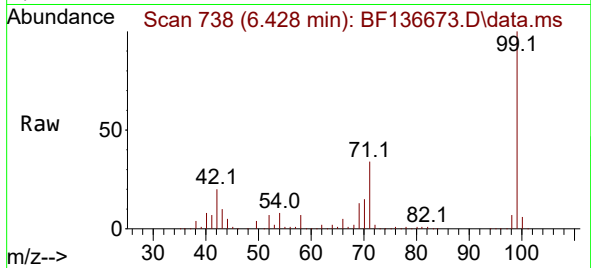




#7
Phenol-d6
Concen: 91.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

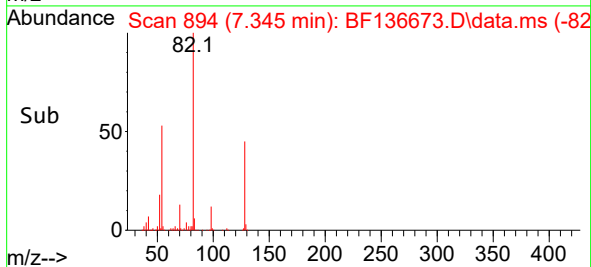
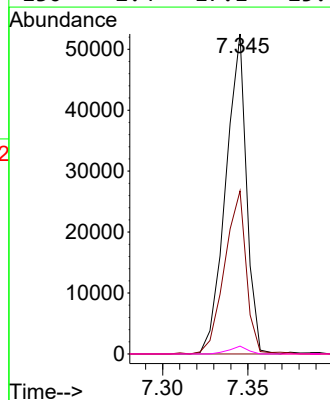
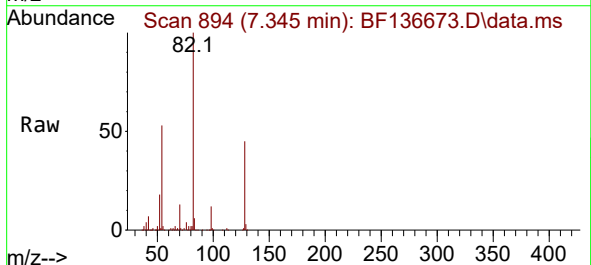
Instrument :
BNA_F
ClientSampleId :
WC-121423

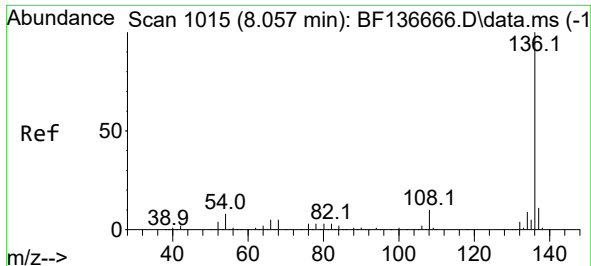
Tgt Ion: 99 Resp: 495169
Ion Ratio Lower Upper
99 100
42 20.1 16.1 24.1
71 34.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.562 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

Tgt Ion: 70 Resp: 44428
Ion Ratio Lower Upper
70 100
42 51.0 54.2 81.4#
101 0.0 7.6 11.4#
130 2.4 17.1 25.7#

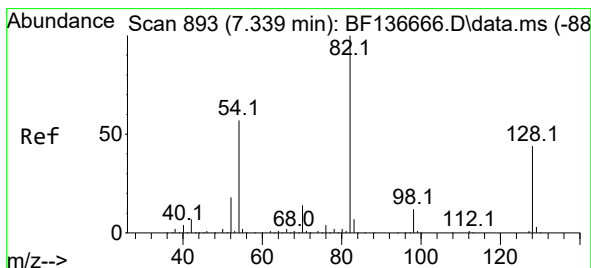
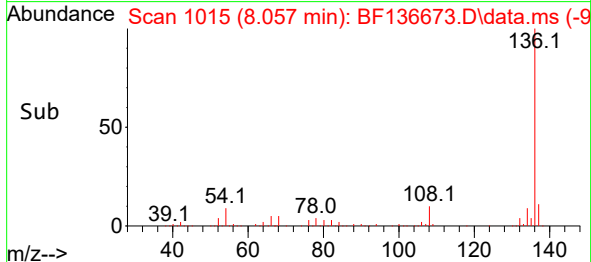
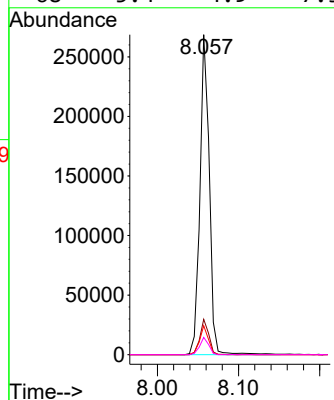
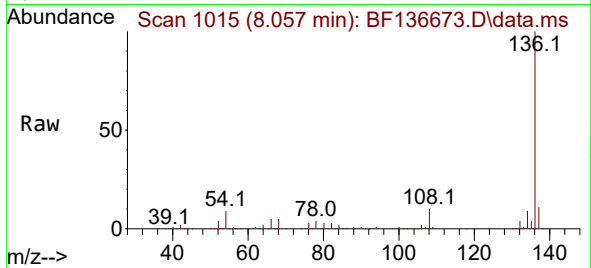




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

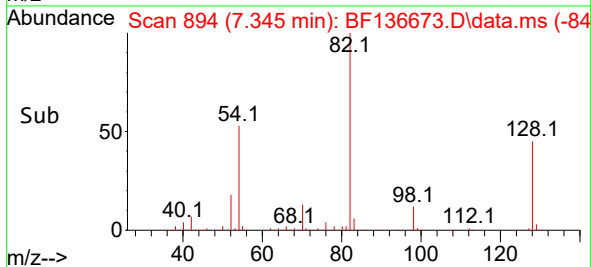
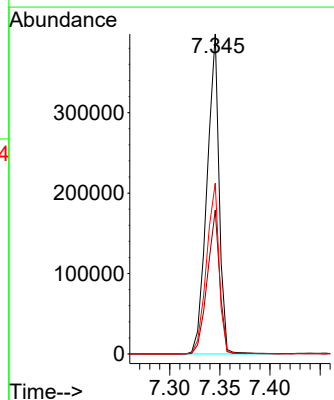
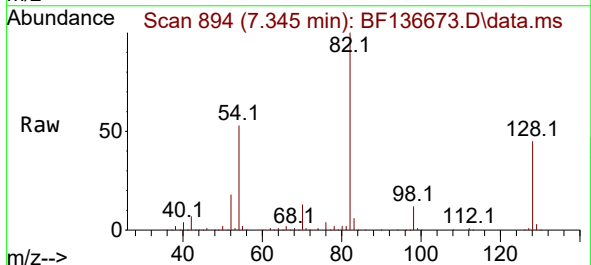
Instrument :
BNA_F
ClientSampleId :
WC-121423

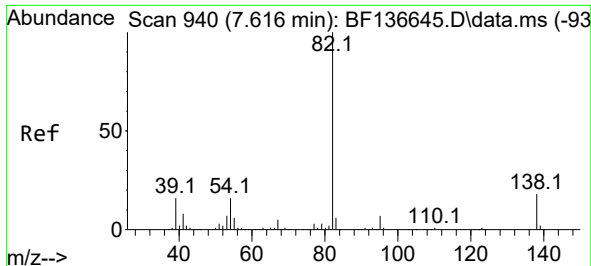
Tgt Ion:	136	Resp:	216914
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.0	7.2	10.8
68	5.4	4.9	7.3



#23
Nitrobenzene-d5
Concen: 79.901 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

Tgt Ion:	82	Resp:	338701
Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.3	52.9
54	53.3	44.5	66.7

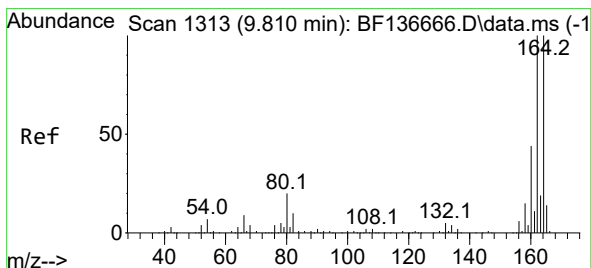
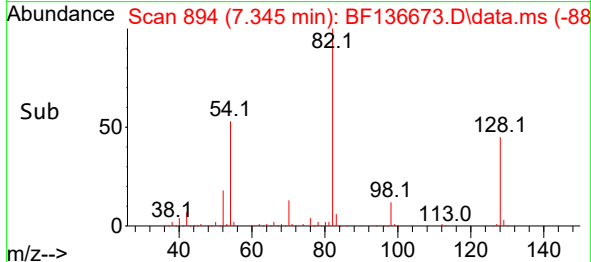
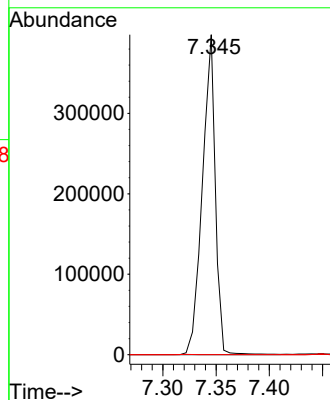
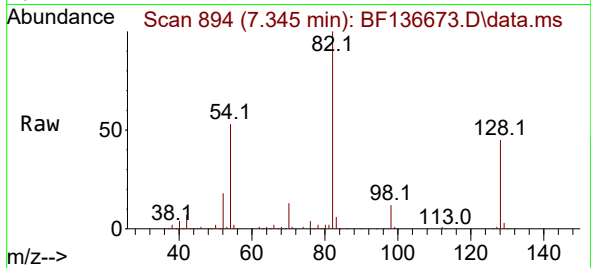




#25
Isophorone
Concen: 43.911 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

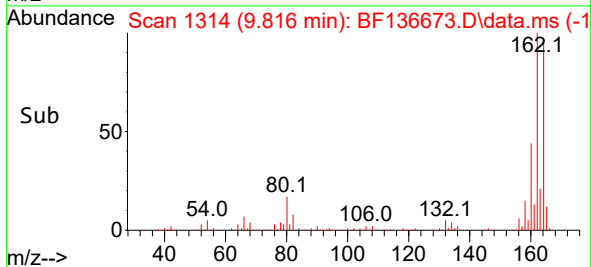
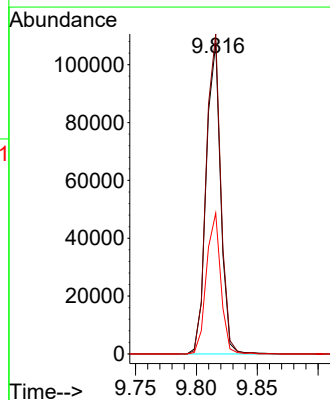
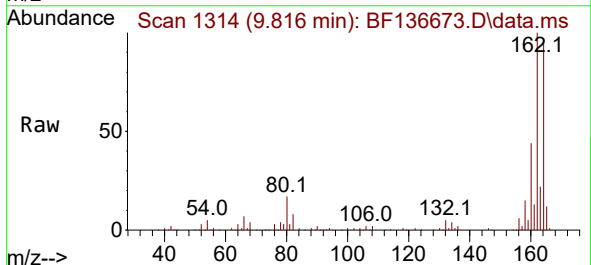
Instrument :
BNA_F
ClientSampleId :
WC-121423

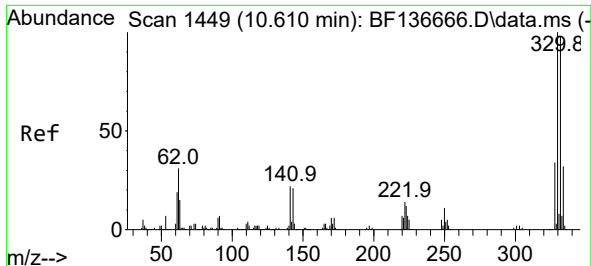
Tgt Ion: 82 Resp: 338698
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

Tgt Ion: 164 Resp: 88623
Ion Ratio Lower Upper
164 100
162 102.8 81.6 122.4
160 45.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 114.651 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136673.D

Acq: 21 Dec 2023 17:18

Instrument :

BNA_F

ClientSampleId :

WC-121423

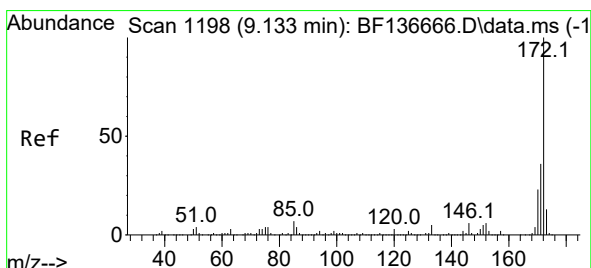
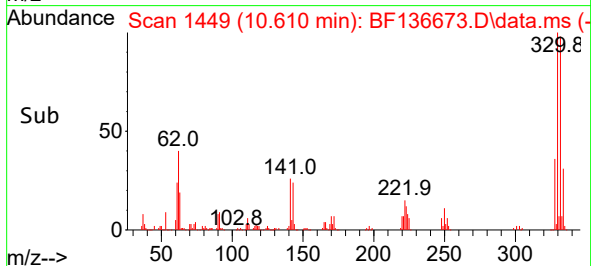
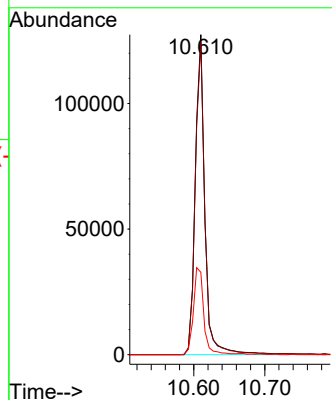
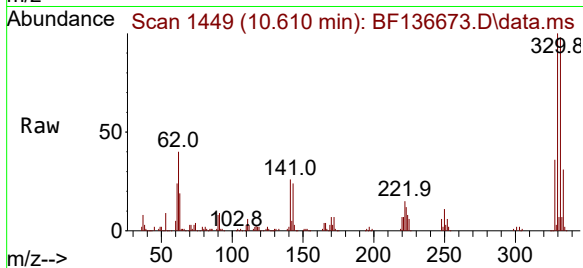
Tgt Ion:330 Resp: 119665

Ion Ratio Lower Upper

330 100

332 98.2 77.4 116.0

141 29.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 88.637 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136673.D

Acq: 21 Dec 2023 17:18

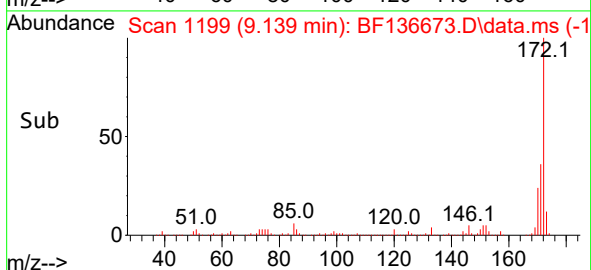
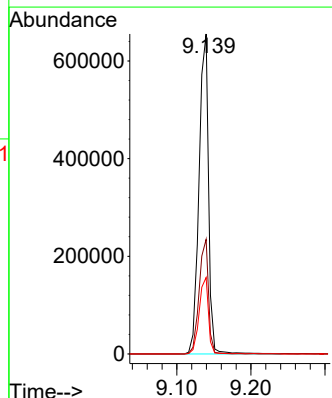
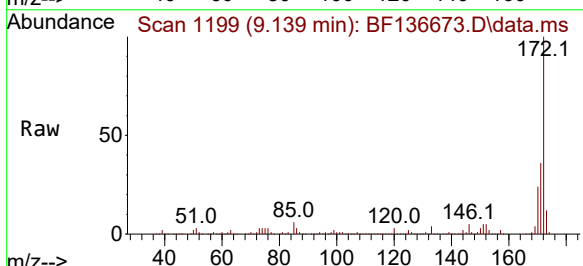
Tgt Ion:172 Resp: 584040

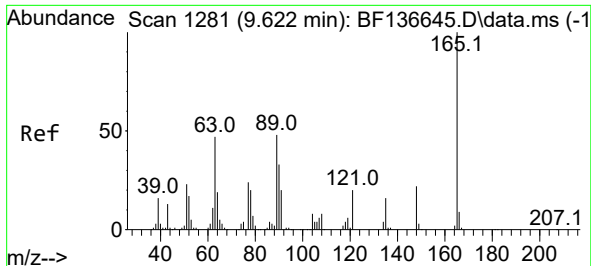
Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

170 23.9 19.0 28.4

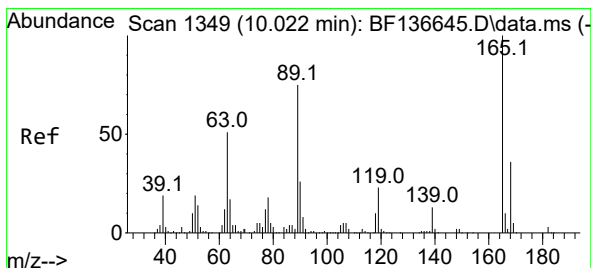
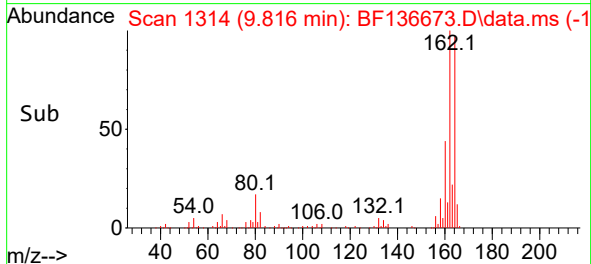
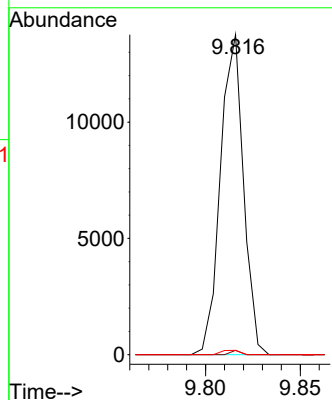
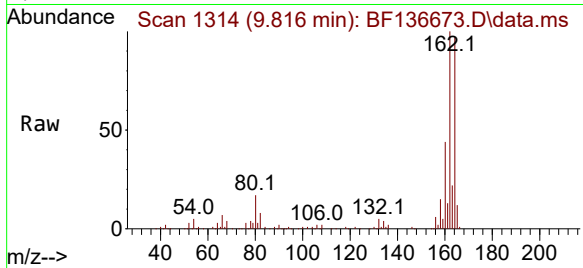




#51
2,6-Dinitrotoluene
Concen: 7.926 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

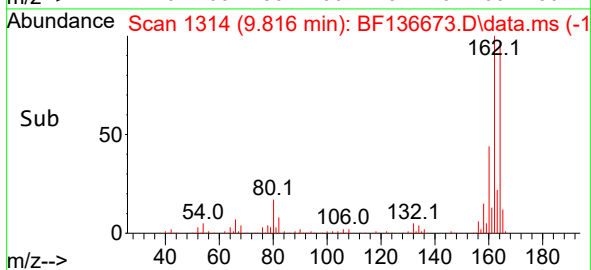
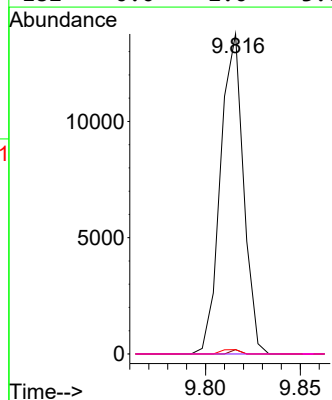
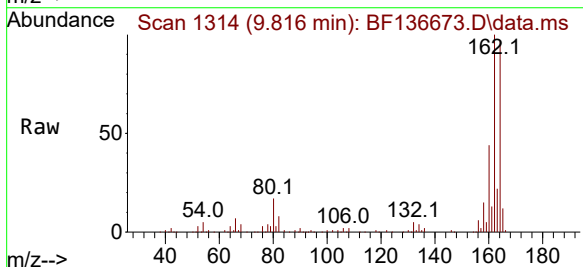
Instrument :
BNA_F
ClientSampleId :
WC-121423

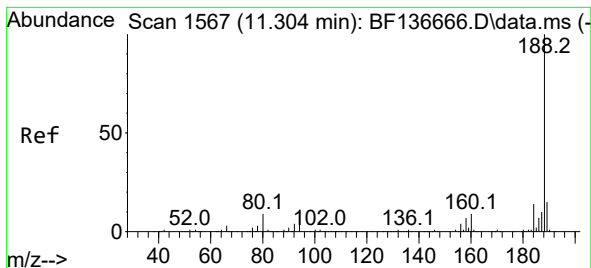
Tgt Ion:165 Resp: 11644
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.3 38.8 58.2#



#57
2,4-Dinitrotoluene
Concen: 6.105 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136673.D
Acq: 21 Dec 2023 17:18

Tgt Ion:165 Resp: 11644
Ion Ratio Lower Upper
165 100
63 1.4 41.0 61.6#
89 1.3 59.9 89.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136673.D

Acq: 21 Dec 2023 17:18

Instrument :

BNA_F

ClientSampleId :

WC-121423

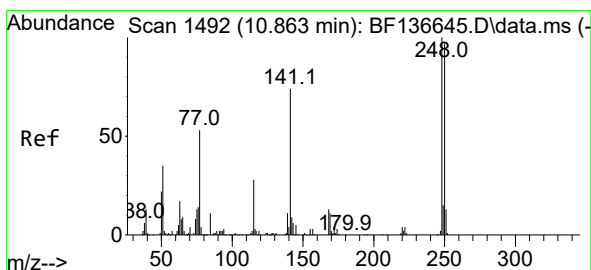
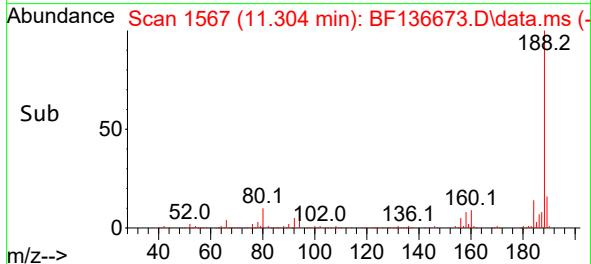
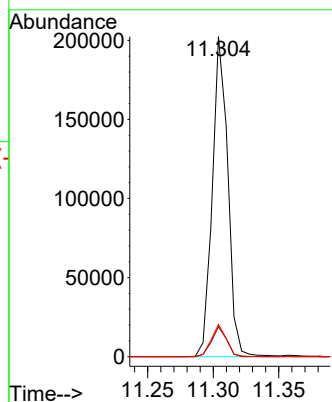
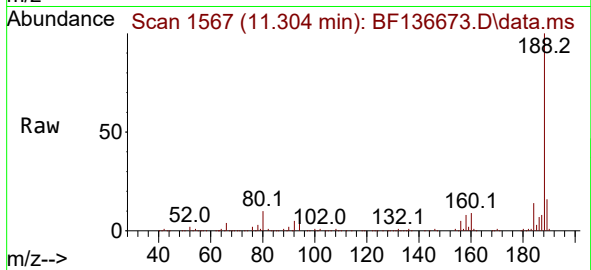
Tgt Ion:188 Resp: 166616

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 10.1 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.845 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136673.D

Acq: 21 Dec 2023 17:18

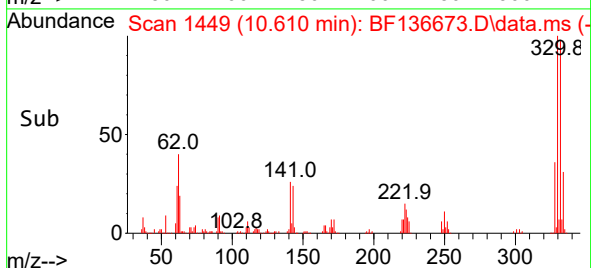
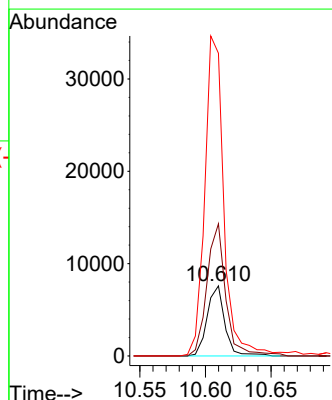
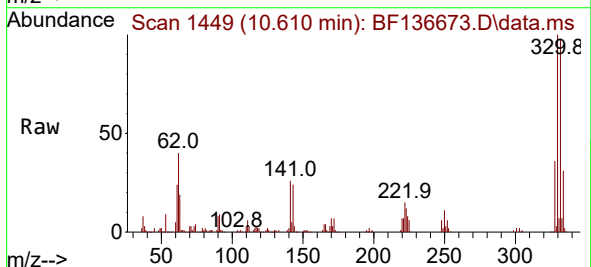
Tgt Ion:248 Resp: 7114

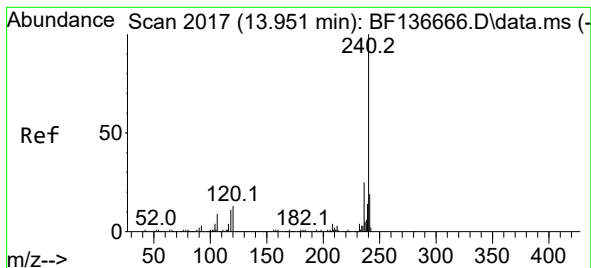
Ion Ratio Lower Upper

248 100

250 188.4 77.8 116.6#

141 431.5 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136673.D

Acq: 21 Dec 2023 17:18

Instrument :

BNA_F

ClientSampleId :

WC-121423

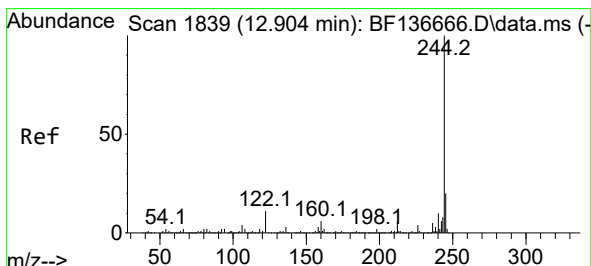
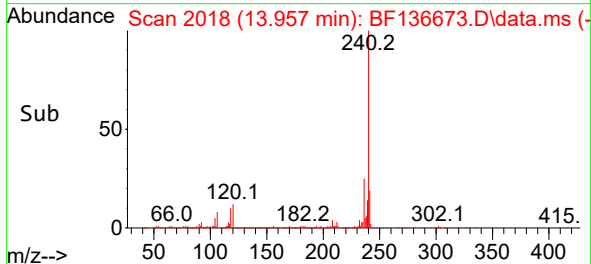
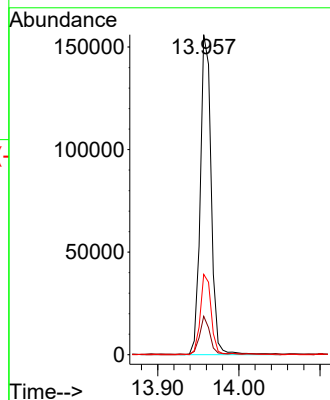
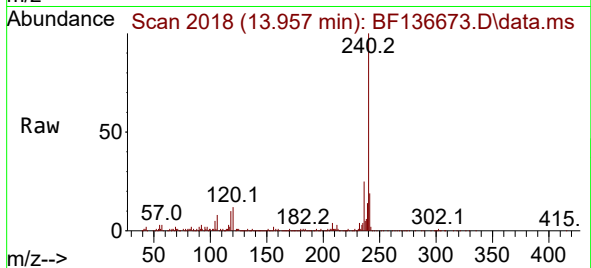
Tgt Ion:240 Resp: 145262

Ion Ratio Lower Upper

240 100

120 12.0 10.3 15.5

236 25.1 19.4 29.2



#79

Terphenyl-d14

Concen: 64.127 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136673.D

Acq: 21 Dec 2023 17:18

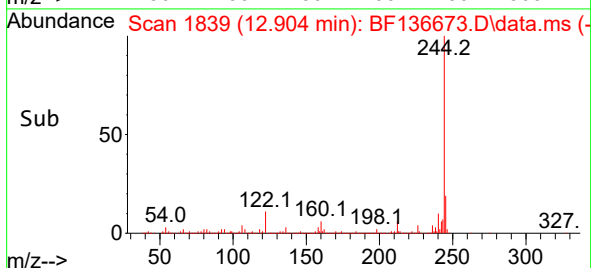
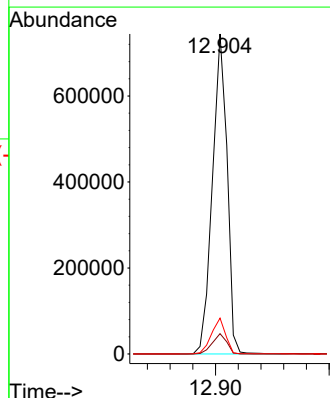
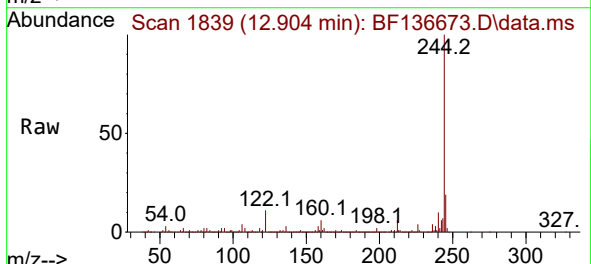
Tgt Ion:244 Resp: 666579

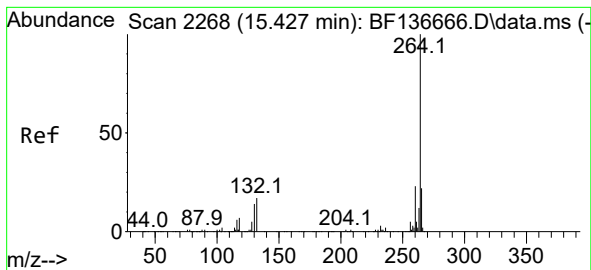
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 11.2 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF136673.D
 Acq: 21 Dec 2023 17:18

Instrument :
 BNA_F
 ClientSampleId :
 WC-121423

Tgt Ion:264 Resp: 118011
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.3 27.5
 265 21.8 17.0 25.6

