

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136545.D
 Acq On : 13 Dec 2023 19:13
 Operator : CG\JU
 Sample : 05726-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Dec 14 01:44:14 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)

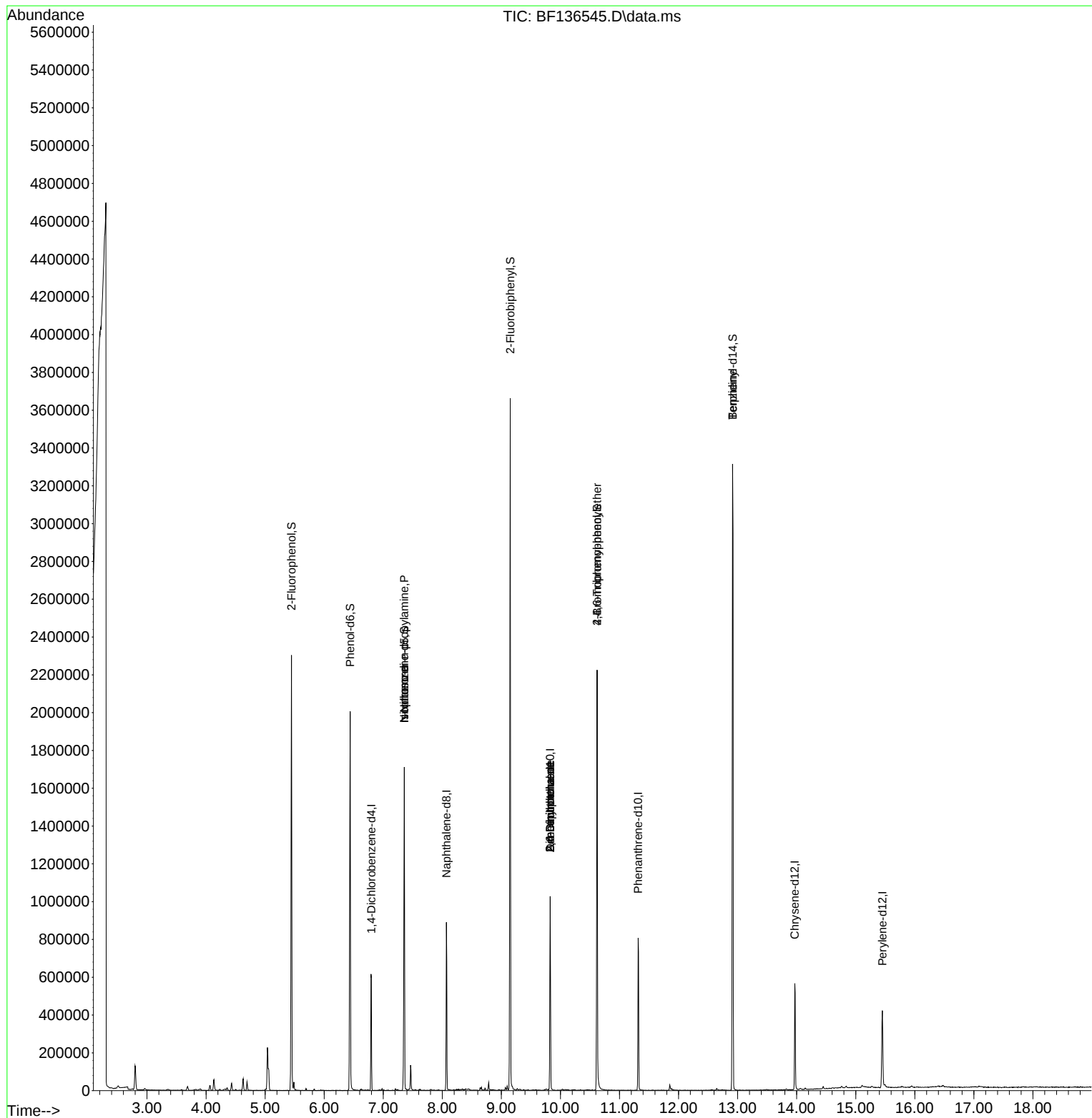
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	94999	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	377745	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	188482	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	304894	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	194998	20.000	ng	-0.01
86) Perylene-d12	15.451	264	207645	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	635630	98.813	ng	0.01
7) Phenol-d6	6.439	99	704279	87.753	ng	0.00
23) Nitrobenzene-d5	7.357	82	529824	75.825	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	288240	124.028	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1092772	79.110	ng	-0.01
79) Terphenyl-d14	12.916	244	1281417	86.614	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.439	77	1136	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	68886	14.879	ng	# 77
25) Isophorone	7.357	82	529819	42.204	ng	# 65
50) Dimethylphthalate	9.827	163	37951	2.735	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	23673	7.583	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	23673	5.732	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	17256	4.868	ng	# 1
77) Benzidine	12.916	184	14388	4.199	ng	# 91

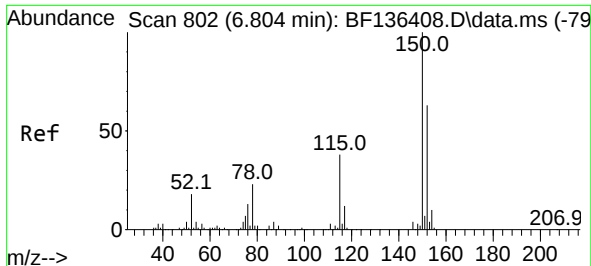
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

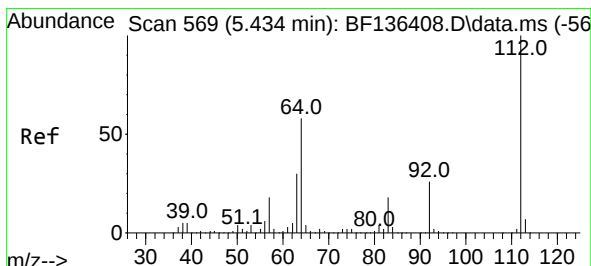
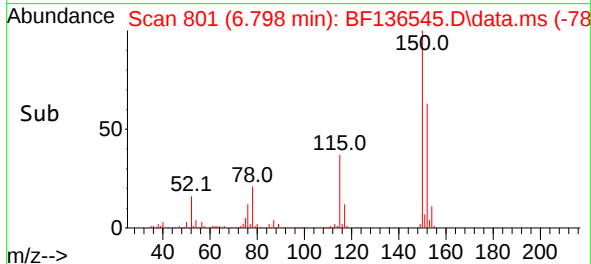
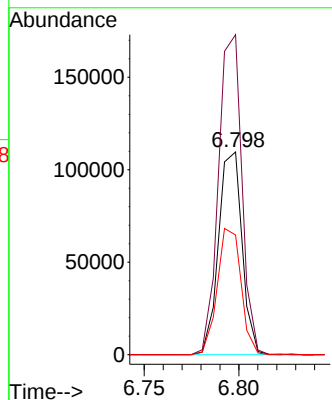
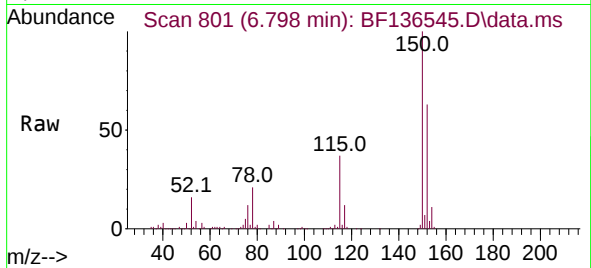




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

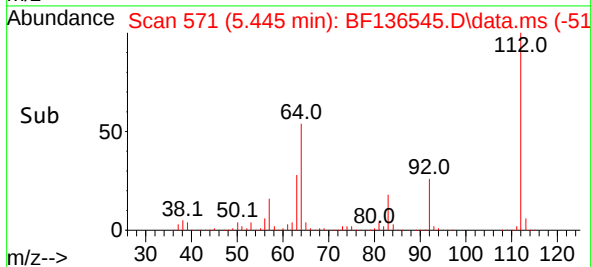
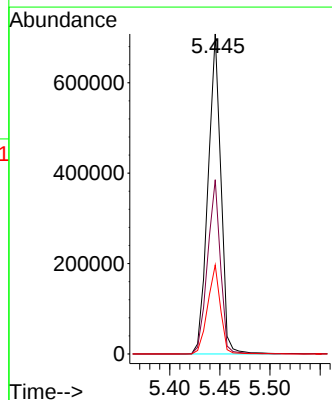
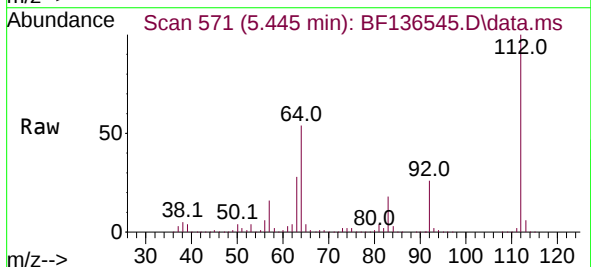
Instrument :
BNA_F
ClientSampleId :
WC-2

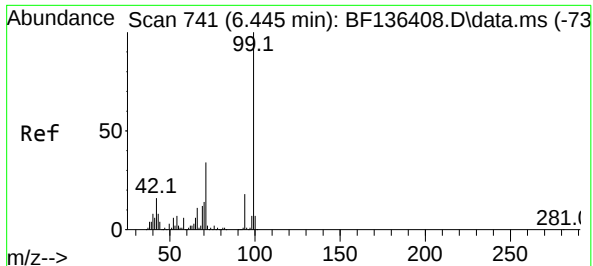
Tgt Ion:152 Resp: 94999
Ion Ratio Lower Upper
152 100
150 157.8 126.4 189.6
115 59.0 48.2 72.4



#5
2-Fluorophenol
Concen: 98.813 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.012 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion:112 Resp: 635630
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 27.8 23.9 35.9

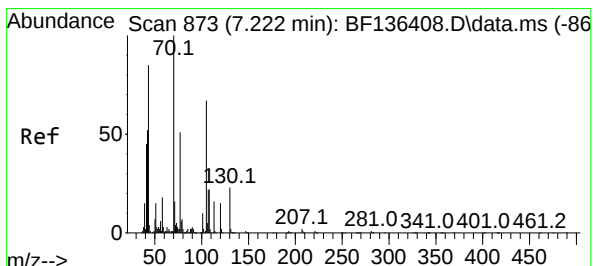
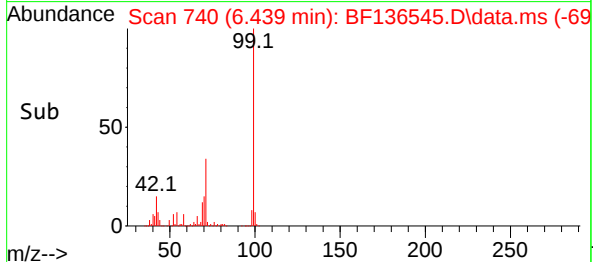
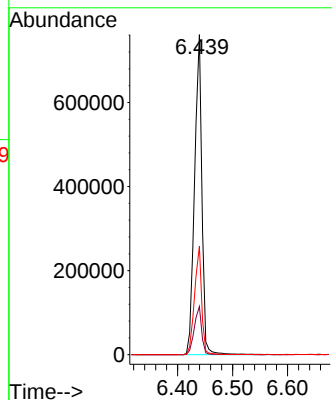
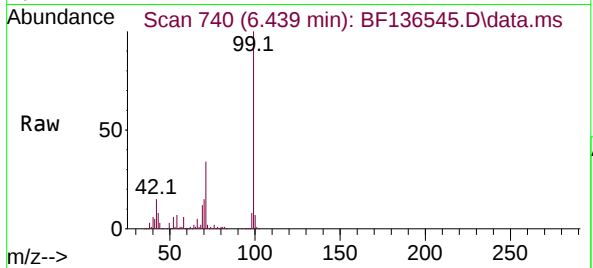




#7
Phenol-d6
Concen: 87.753 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

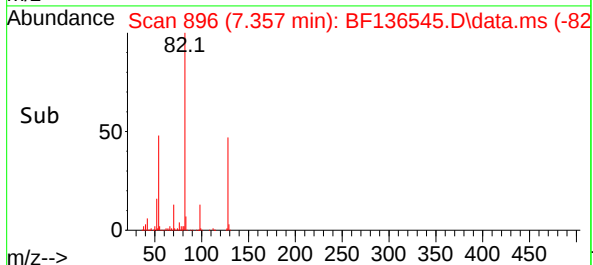
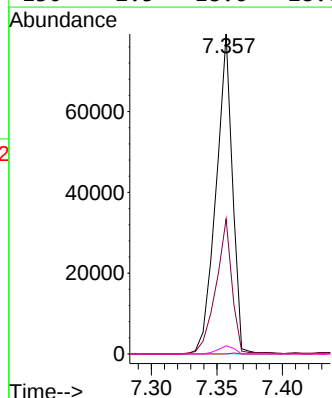
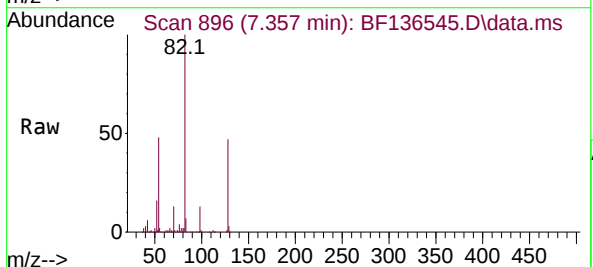
Instrument :
BNA_F
ClientSampleId :
WC-2

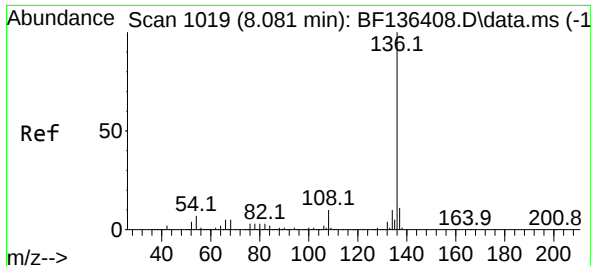
Tgt Ion: 99 Resp: 704279
Ion Ratio Lower Upper
99 100
42 15.1 12.8 19.2
71 33.9 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.879 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion: 70 Resp: 68886
Ion Ratio Lower Upper
70 100
42 42.2 41.4 62.0
101 0.0 8.2 12.4#
130 2.5 18.6 28.0#



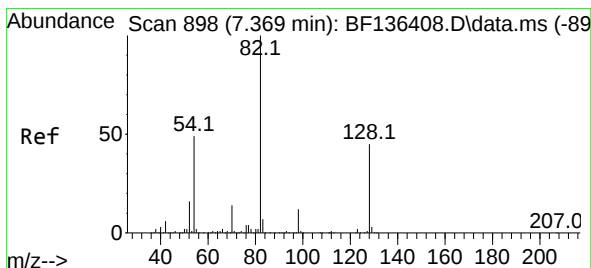
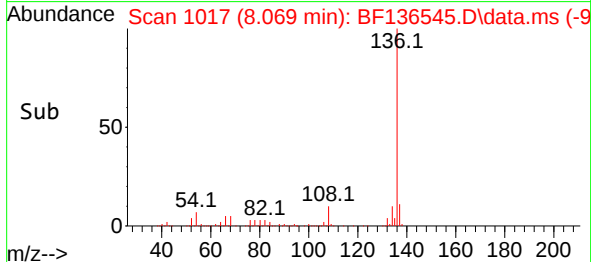
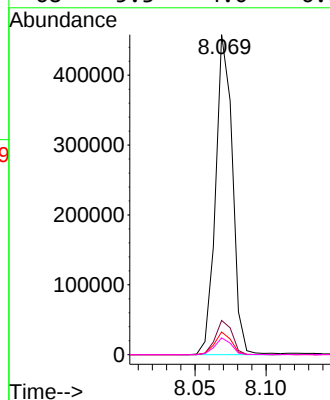
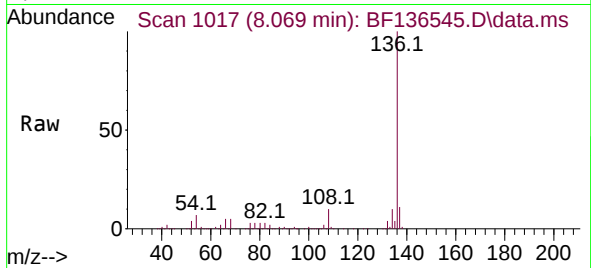


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 377745

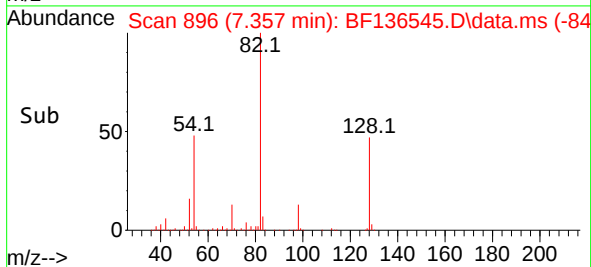
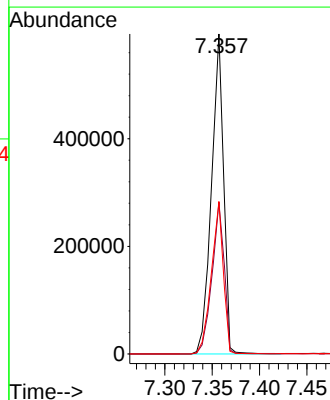
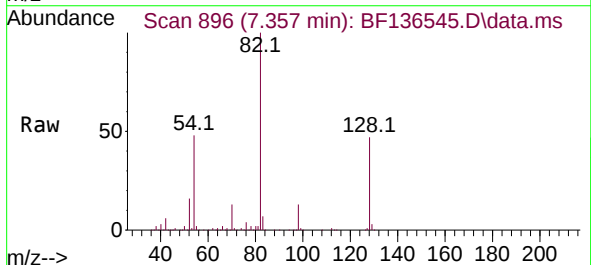
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.1	5.7	8.5
68	5.3	4.0	6.0

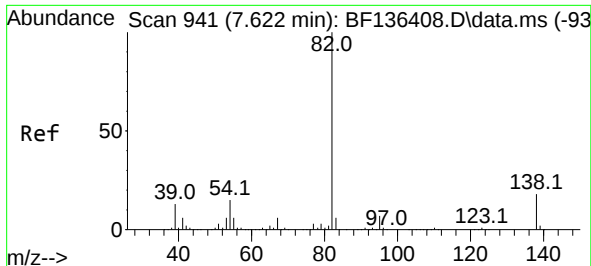


#23
Nitrobenzene-d5
Concen: 75.825 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion: 82 Resp: 529824

Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.3	54.5
54	47.7	39.0	58.6

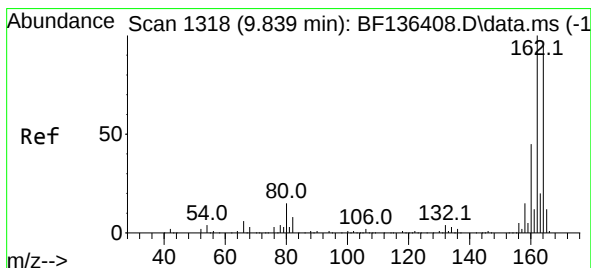
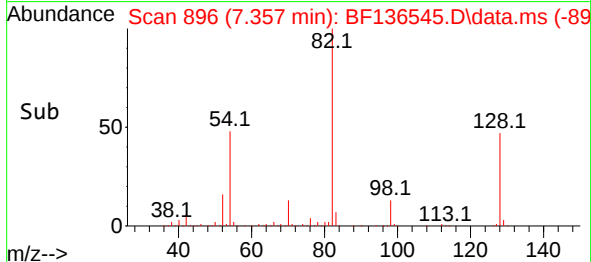
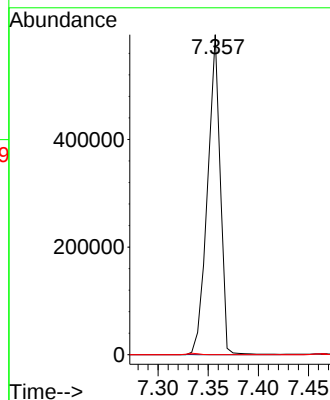
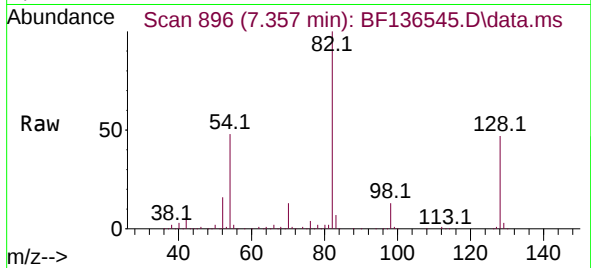




#25
Isophorone
Concen: 42.204 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

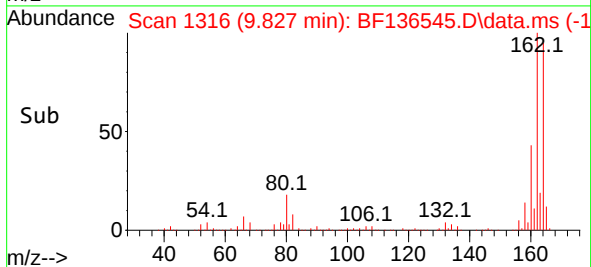
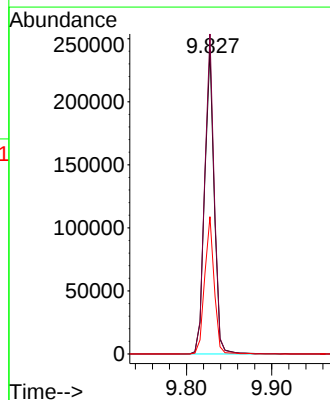
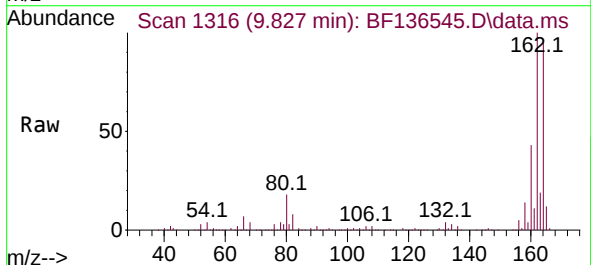
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 82 Resp: 529819
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: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion:164 Resp: 188482
Ion Ratio Lower Upper
164 100
162 105.3 84.4 126.6
160 45.2 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 124.028 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136545.D

Acq: 13 Dec 2023 19:13

Instrument :

BNA_F

ClientSampleId :

WC-2

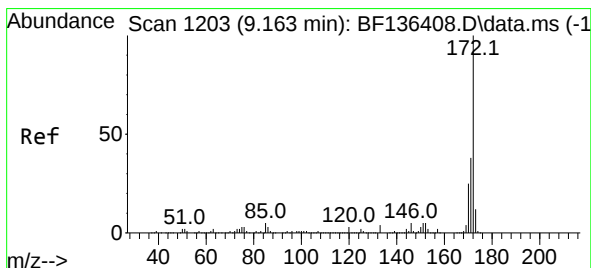
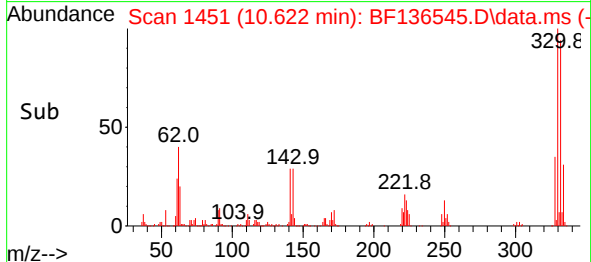
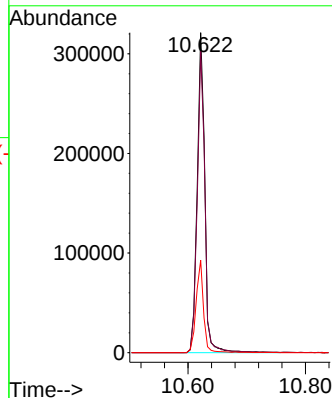
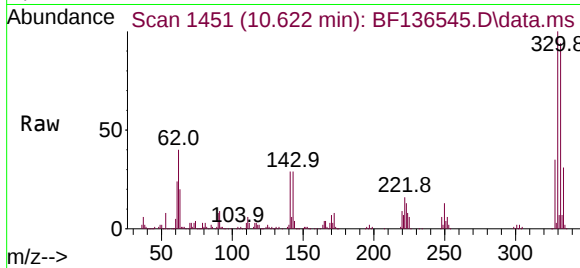
Tgt Ion:330 Resp: 288240

Ion Ratio Lower Upper

330 100

332 94.9 76.4 114.6

141 28.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 79.110 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136545.D

Acq: 13 Dec 2023 19:13

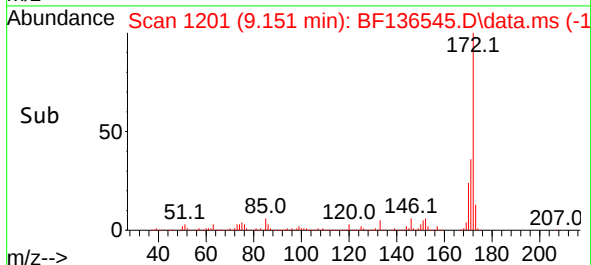
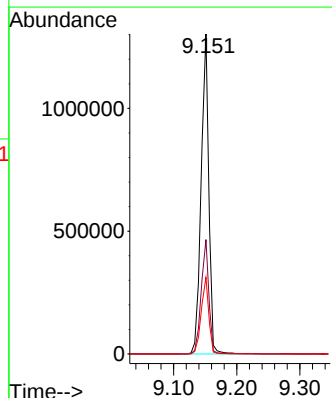
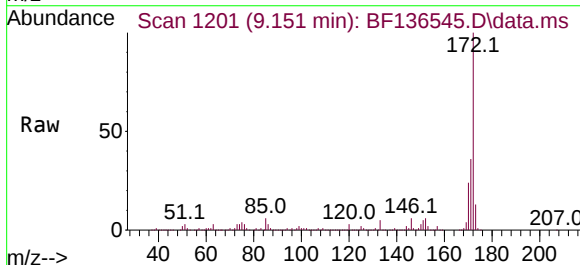
Tgt Ion:172 Resp: 1092772

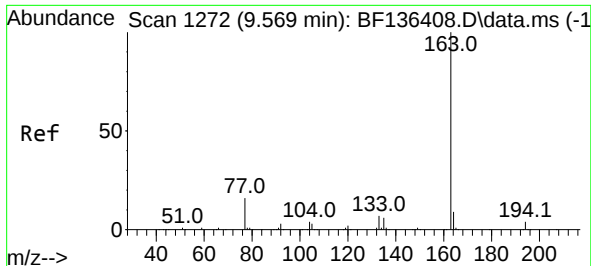
Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 24.0 19.9 29.9

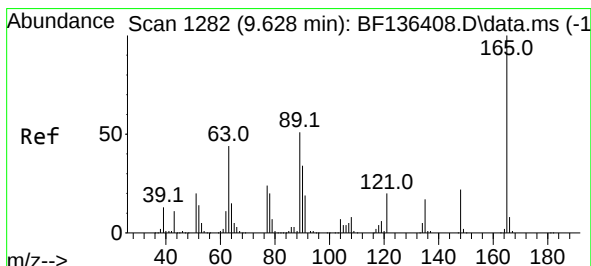
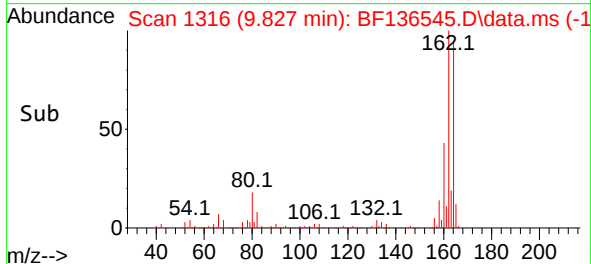
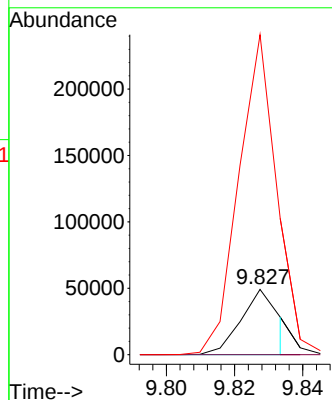
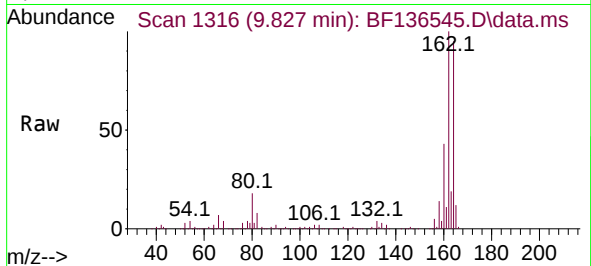




#50
Dimethylphthalate
Concen: 2.735 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

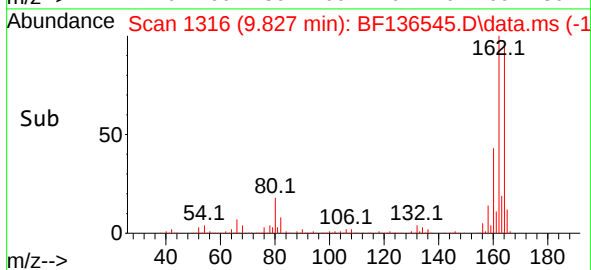
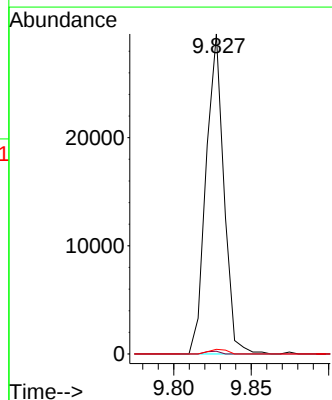
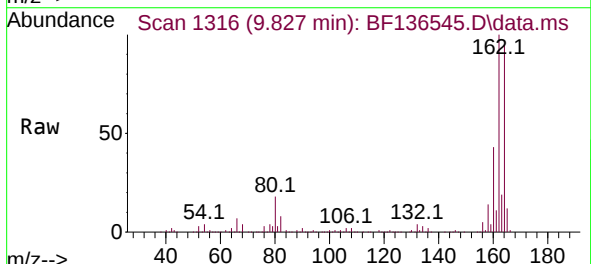
Instrument :
BNA_F
ClientSampleId :
WC-2

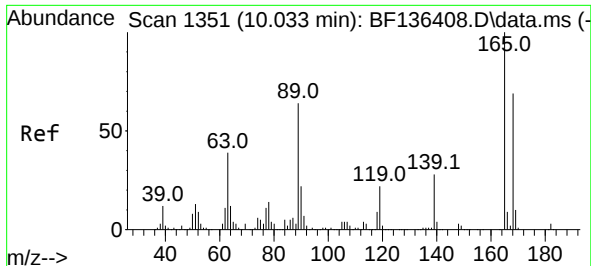
Tgt Ion:163 Resp: 37951
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 489.6 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.583 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion:165 Resp: 23673
Ion Ratio Lower Upper
165 100
63 0.8 40.4 60.6#
89 1.5 40.6 60.8#

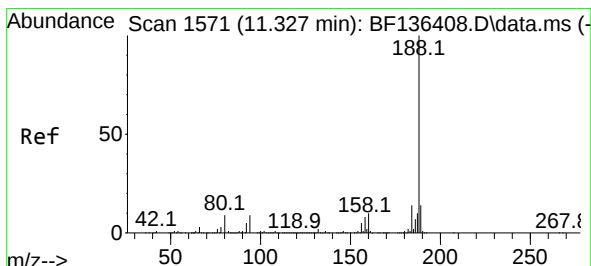
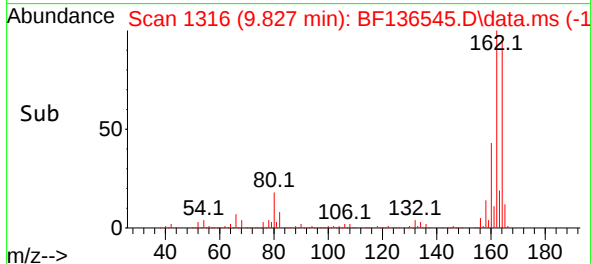
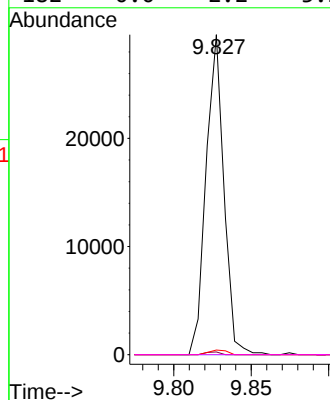
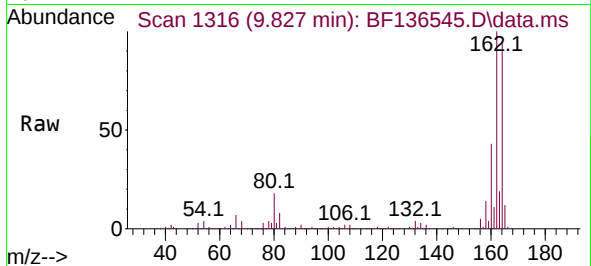




#57
2,4-Dinitrotoluene
Concen: 5.732 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

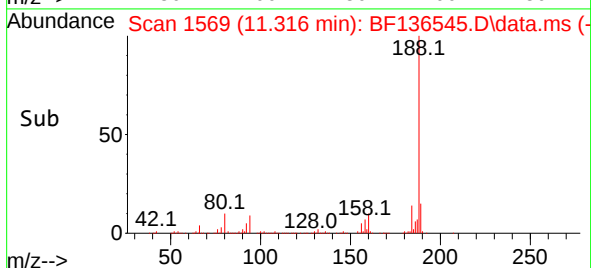
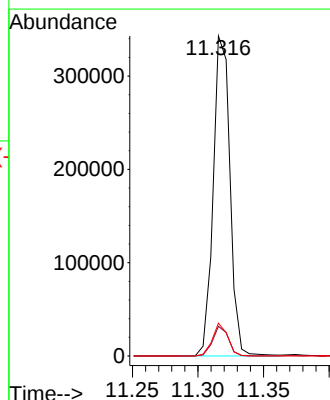
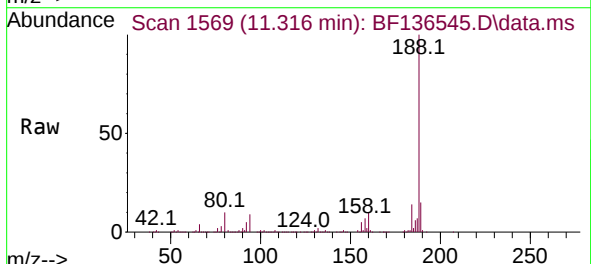
Instrument :
BNA_F
ClientSampleId :
WC-2

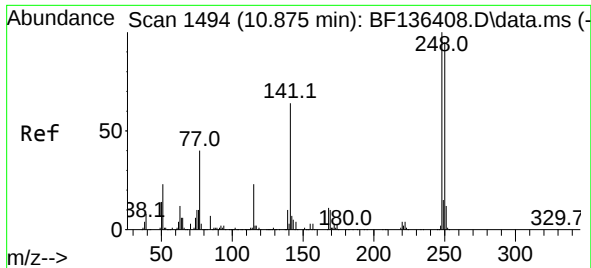
Tgt Ion:165 Resp: 23673
Ion Ratio Lower Upper
165 100
63 0.8 31.4 47.2#
89 1.5 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion:188 Resp: 304894
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.3 7.2 10.8

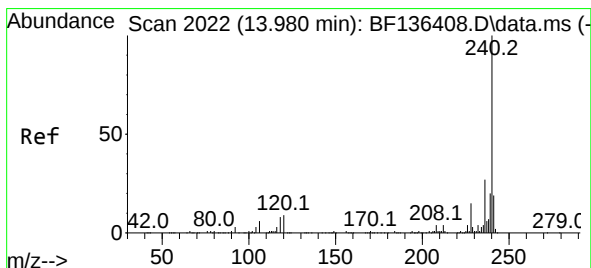
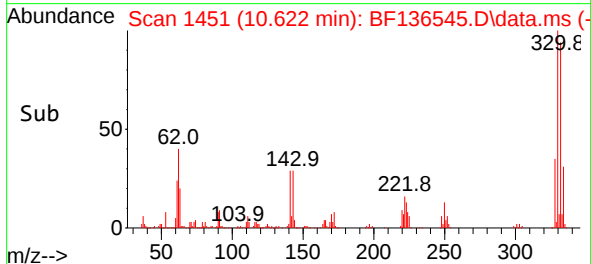
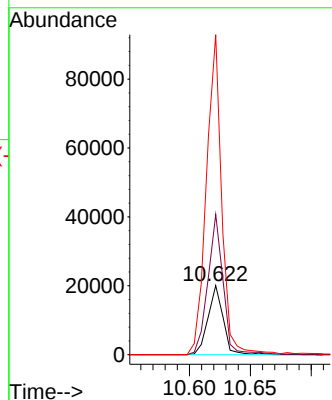
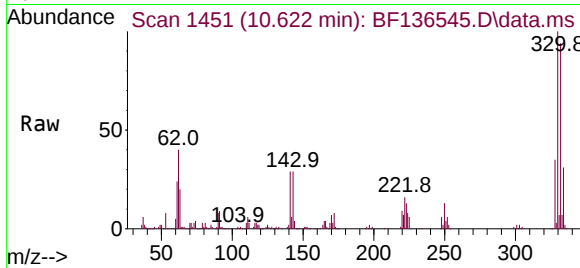




#67
4-Bromophenyl-phenylether
Concen: 4.868 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

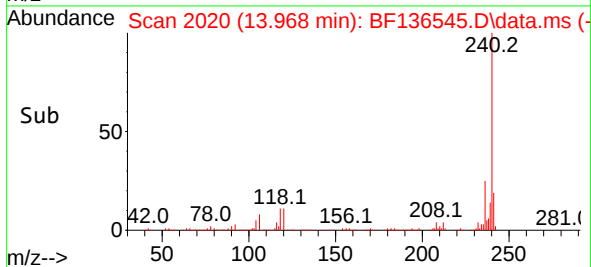
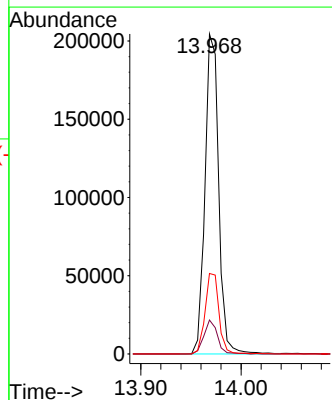
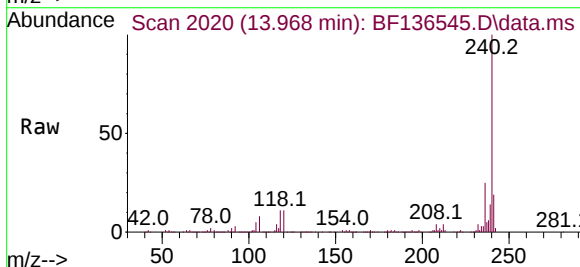
Instrument :
BNA_F
ClientSampleId :
WC-2

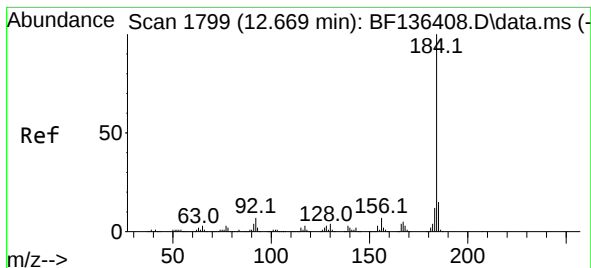
Tgt Ion:248 Resp: 17256
Ion Ratio Lower Upper
248 100
250 202.9 76.2 114.2#
141 463.0 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Tgt Ion:240 Resp: 194998
Ion Ratio Lower Upper
240 100
120 10.6 7.3 10.9
236 25.1 21.3 31.9





#77

Benzidine

Concen: 4.199 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.246 min

Lab File: BF136545.D

Acq: 13 Dec 2023 19:13

Instrument :

BNA_F

ClientSampleId :

WC-2

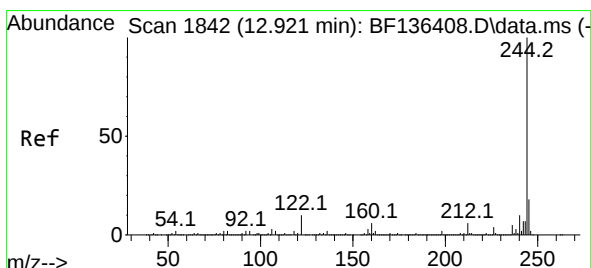
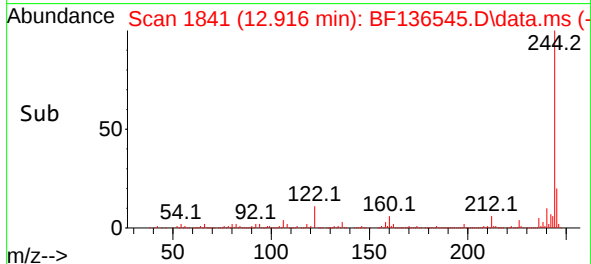
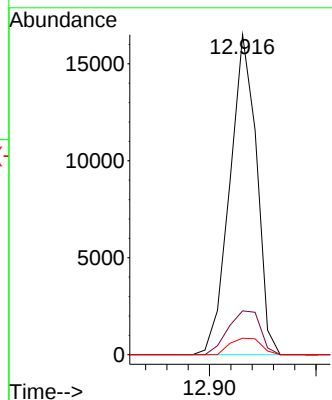
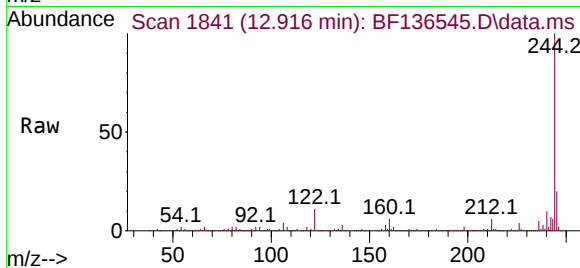
Tgt Ion:184 Resp: 14388

Ion Ratio Lower Upper

184 100

185 13.7 12.0 18.0

183 5.1 9.4 14.0#



#79

Terphenyl-d14

Concen: 86.614 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136545.D

Acq: 13 Dec 2023 19:13

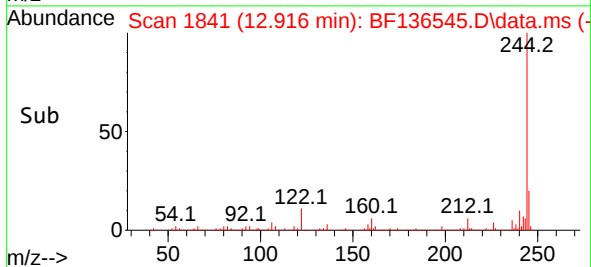
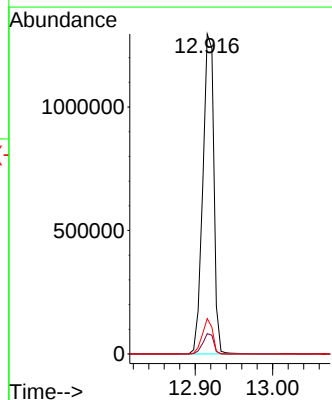
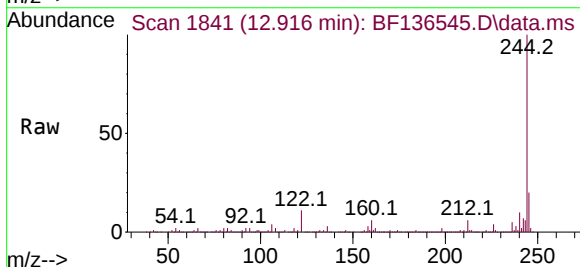
Tgt Ion:244 Resp: 1281417

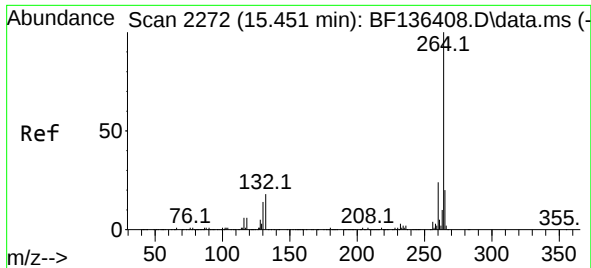
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 11.1 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136545.D
Acq: 13 Dec 2023 19:13

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:264 Resp: 207645

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.9	15.9	23.9

