

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136720.D
 Acq On : 26 Dec 2023 15:35
 Operator : CG\JU
 Sample : 05993-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E8965C-S-002

Quant Time: Dec 26 16:04:06 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)

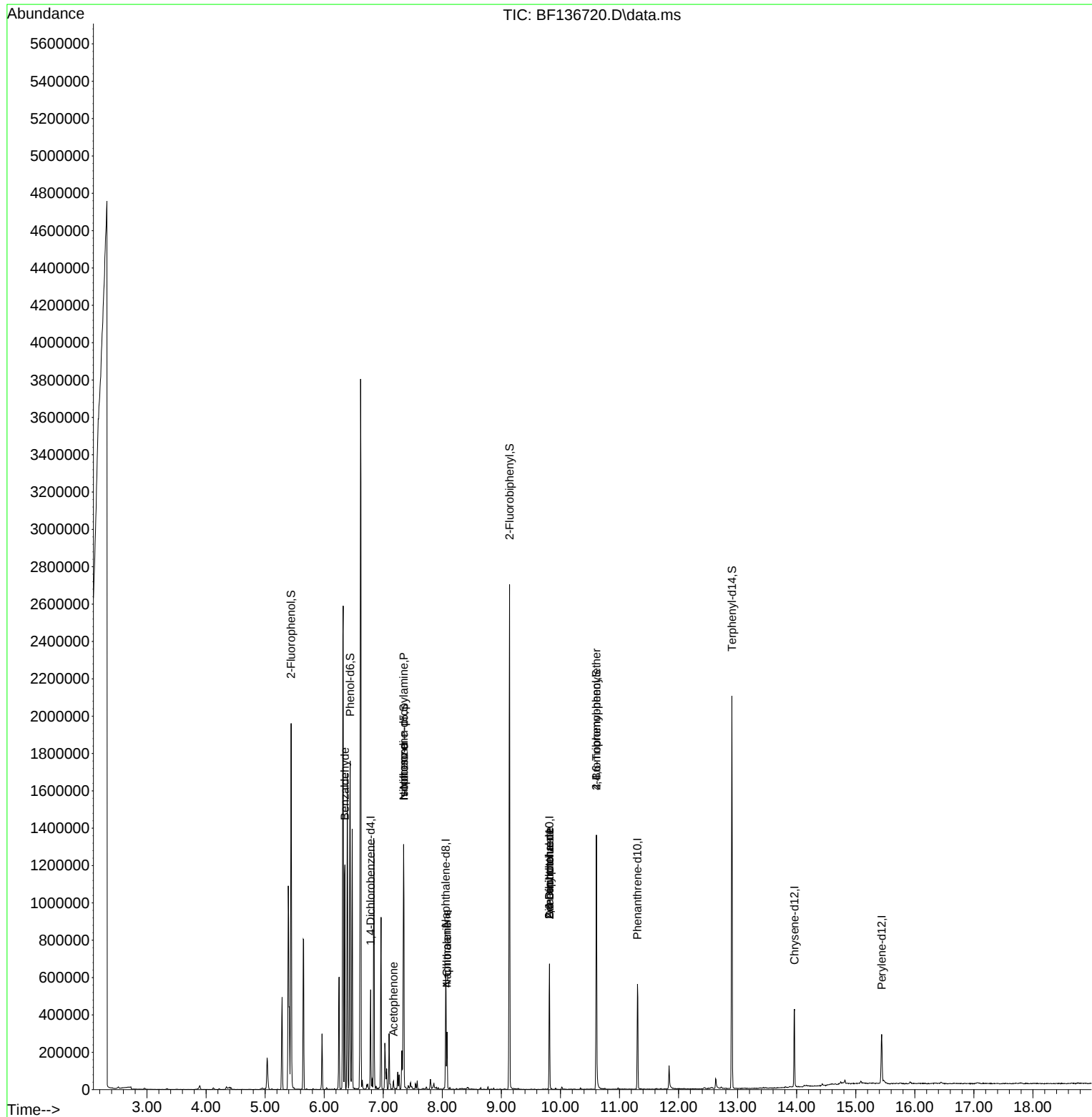
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72268	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	272595	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	125263	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	212626	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	147227	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	129335	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	523975	113.128	ng	0.01
7) Phenol-d6	6.440	99	593789	98.939	ng	0.00
23) Nitrobenzene-d5	7.345	82	435493	81.750	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	171335	116.140	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	821319	88.187	ng	-0.01
79) Terphenyl-d14	12.904	244	737582	70.011	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	47184	13.822	ng	# 1
19) n-Nitroso-di-n-propyla...	7.345	70	57960	15.931	ng	# 75
22) Acetophenone	7.175	105	16822	2.462	ng	# 51
25) Isophorone	7.345	82	435561	44.934	ng	# 65
31) Naphthalene	8.081	128	118236	7.895	ng	# 99
33) 4-Chloroaniline	8.081	127	15062	2.724	ng	# 33
50) Dimethylphthalate	9.816	163	25773	2.817	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	16878	8.128	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	16878	6.261	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	10297	4.361	ng	# 1

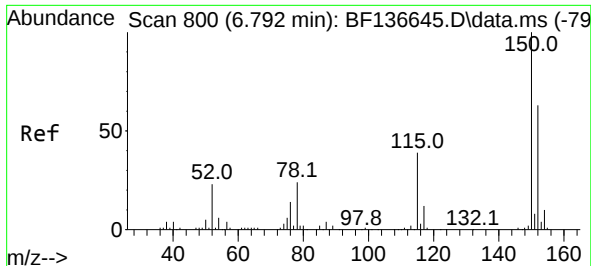
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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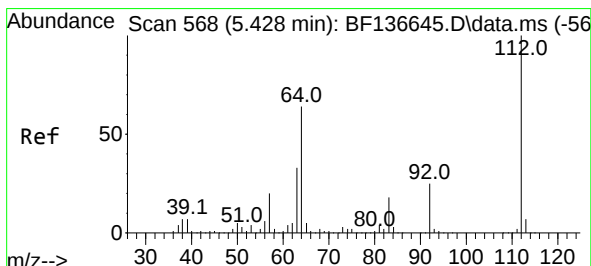
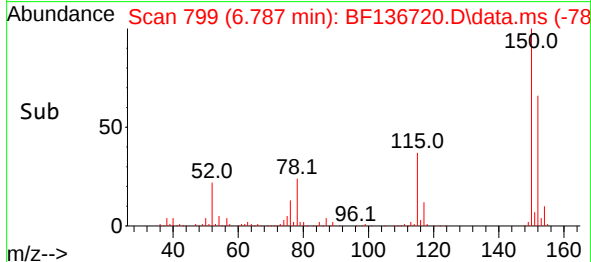
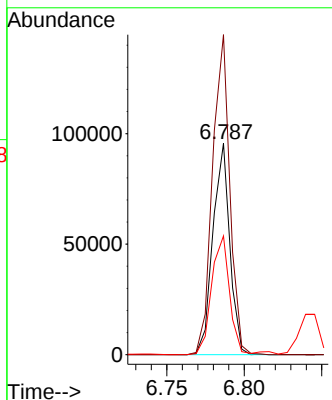
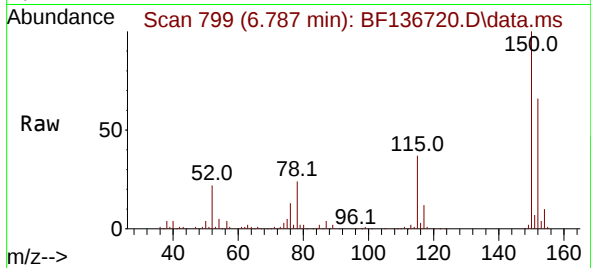




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

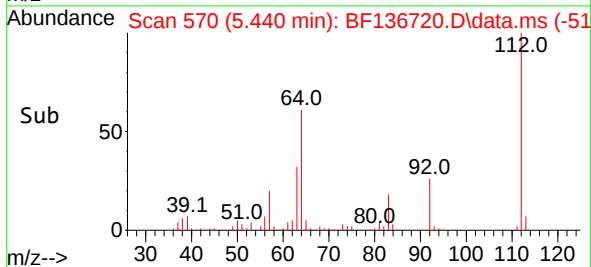
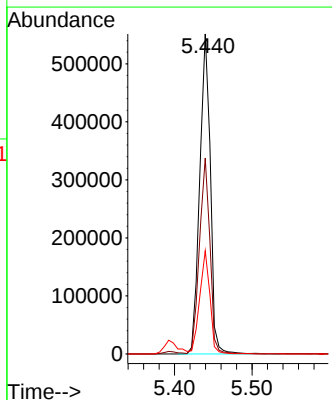
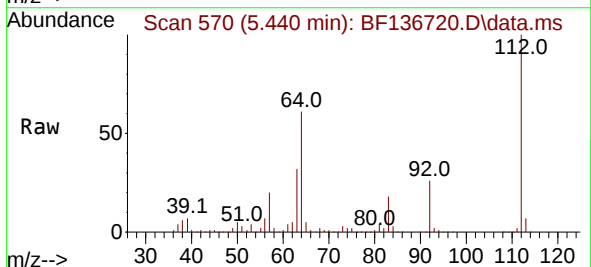
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

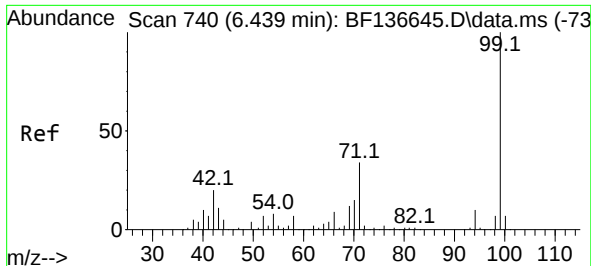
Tgt Ion:152 Resp: 72268
Ion Ratio Lower Upper
152 100
150 151.4 127.0 190.6
115 56.2 49.0 73.4



#5
2-Fluorophenol
Concen: 113.128 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion:112 Resp: 523975
Ion Ratio Lower Upper
112 100
64 61.2 51.1 76.7
63 32.3 26.1 39.1

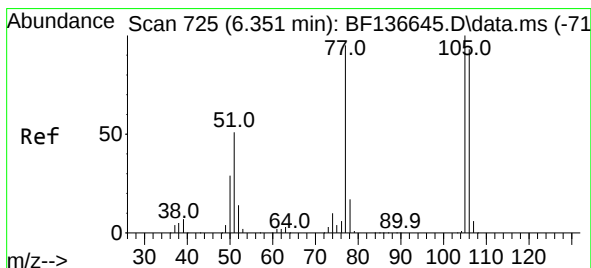
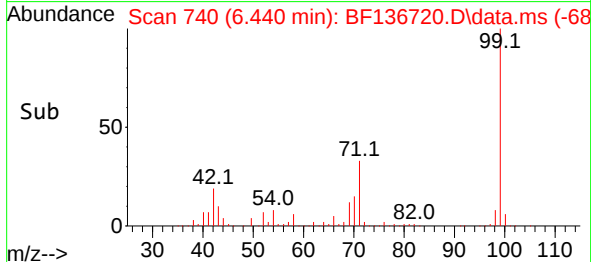
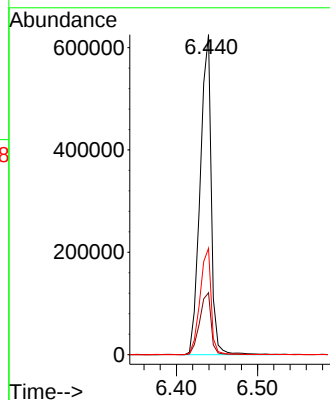
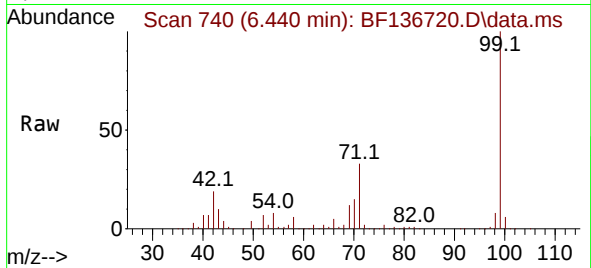




#7
Phenol-d6
Concen: 98.939 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

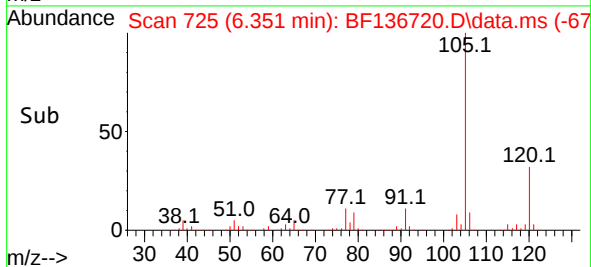
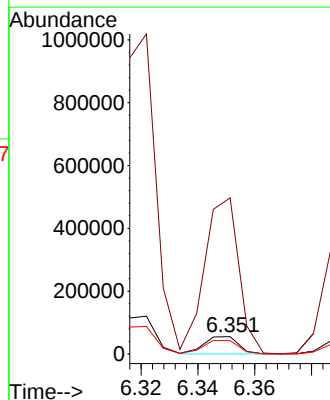
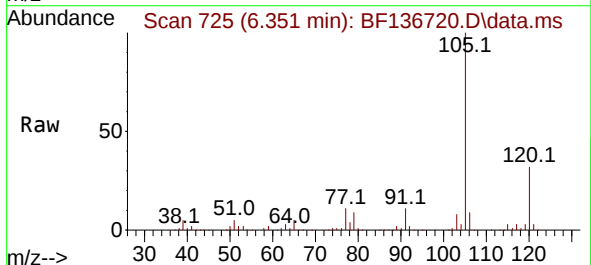
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

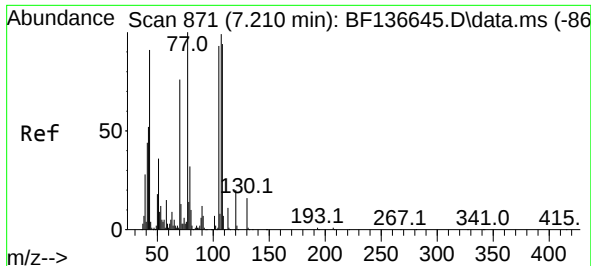
Tgt Ion: 99 Resp: 593789
Ion Ratio Lower Upper
99 100
42 19.4 16.1 24.1
71 33.3 27.4 41.2



#9
Benzaldehyde
Concen: 13.822 ng
RT: 6.351 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion: 77 Resp: 47184
Ion Ratio Lower Upper
77 100
105 900.8 84.8 124.8#
106 76.7 77.8 117.8#

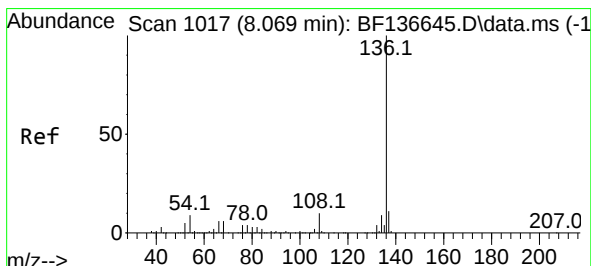
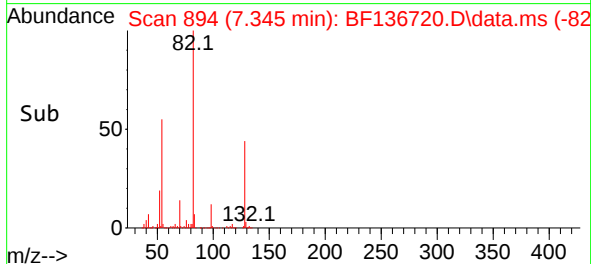
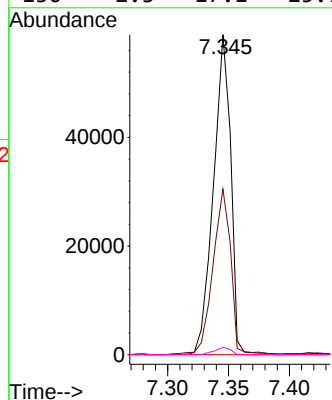
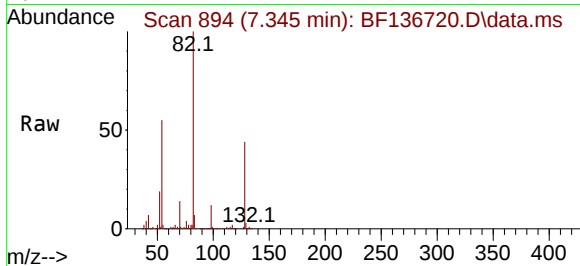




#19
n-Nitroso-di-n-propylamine
Concen: 15.931 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

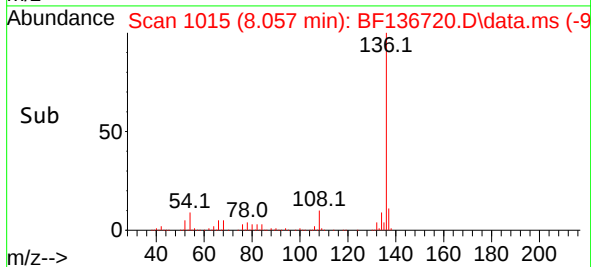
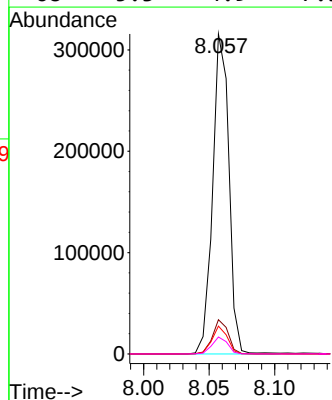
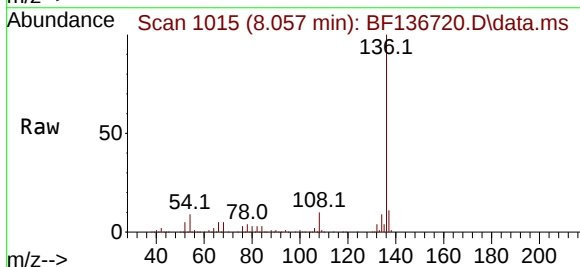
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

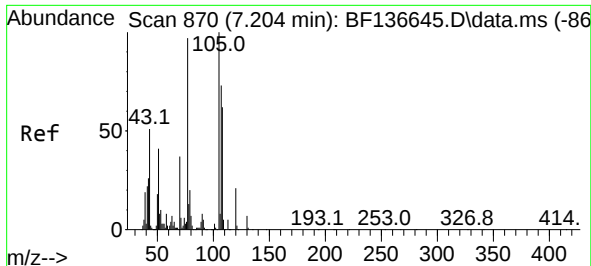
Tgt Ion:	70	Resp:	57960
Ion	Ratio	Lower	Upper
70	100		
42	51.7	54.2	81.4#
101	0.0	7.6	11.4#
130	2.3	17.1	25.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion:	136	Resp:	272595
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.7	7.2	10.8
68	5.3	4.9	7.3

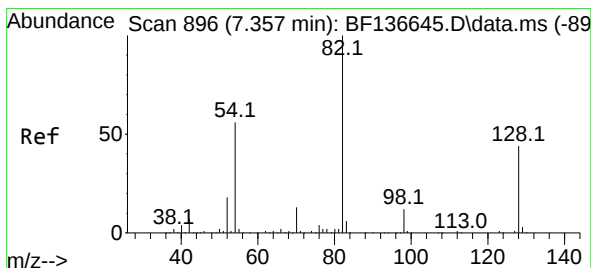
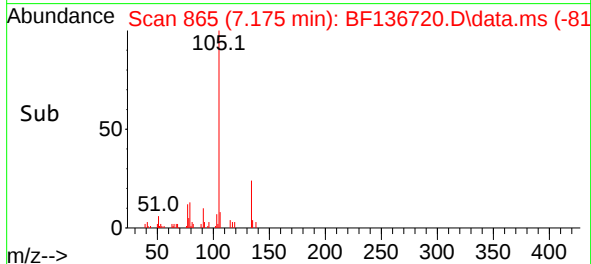
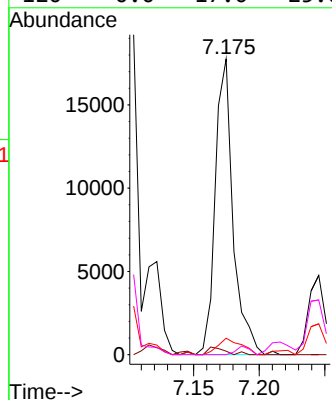
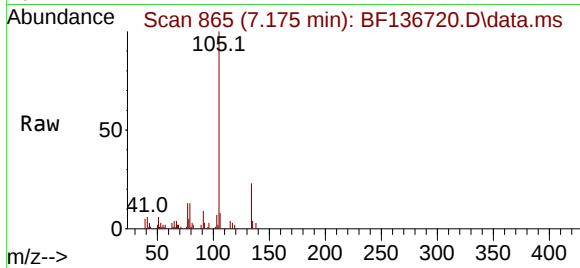




#22
Acetophenone
Concen: 2.462 ng
RT: 7.175 min Scan# 80
Delta R.T. -0.029 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

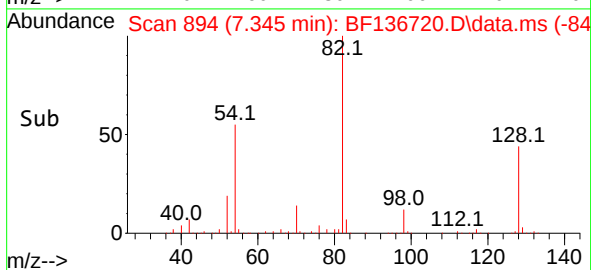
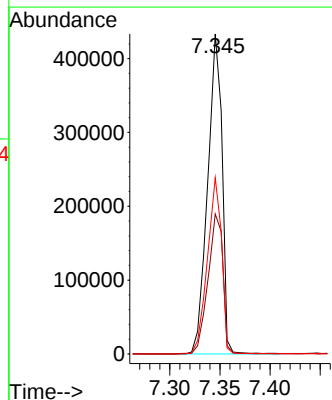
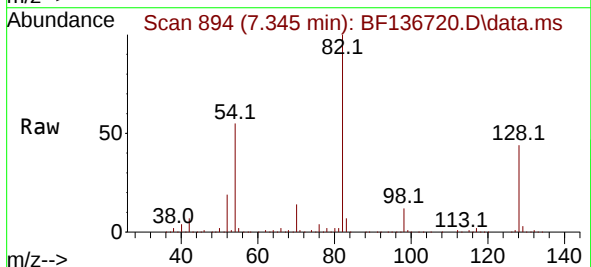
Instrument :
BNA_F
ClientSampleId :
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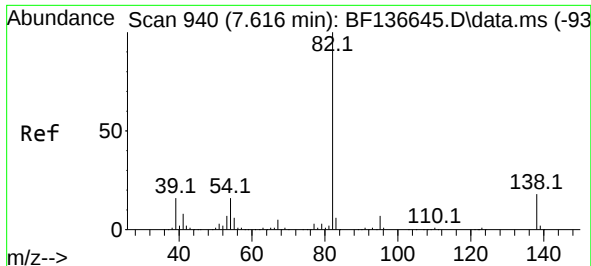
Tgt Ion: 105 Resp: 16822
Ion Ratio Lower Upper
105 100
71 1.2 4.8 7.2#
51 5.6 32.8 49.2#
120 0.0 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 81.750 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion: 82 Resp: 435493
Ion Ratio Lower Upper
82 100
128 43.8 35.3 52.9
54 55.1 44.5 66.7

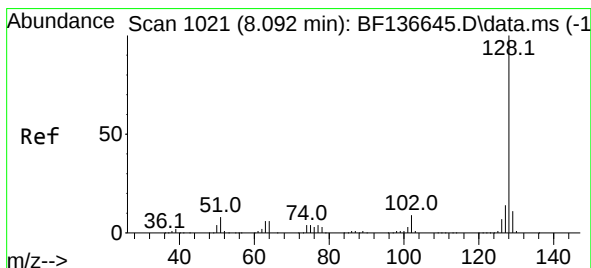
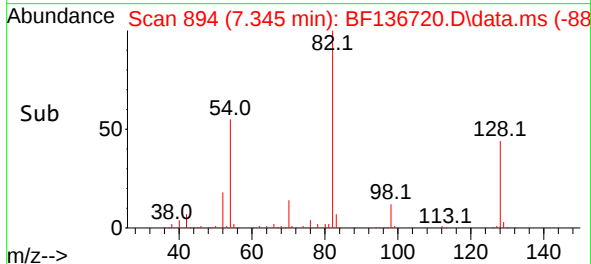
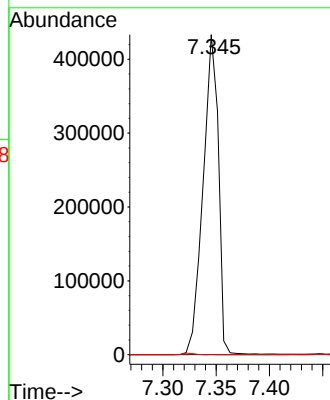
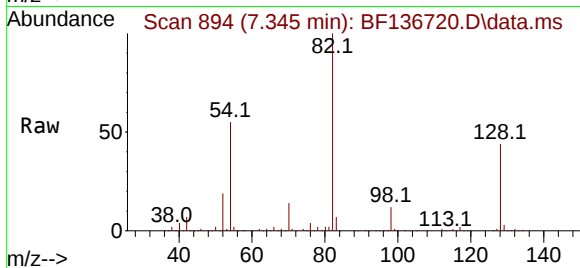




#25
Isophorone
Concen: 44.934 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

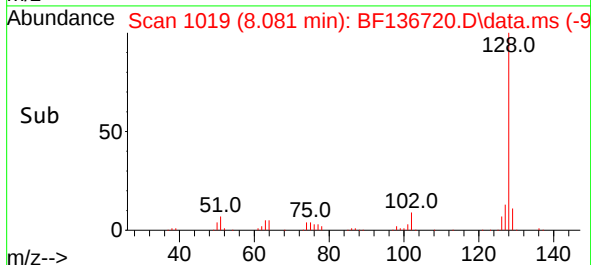
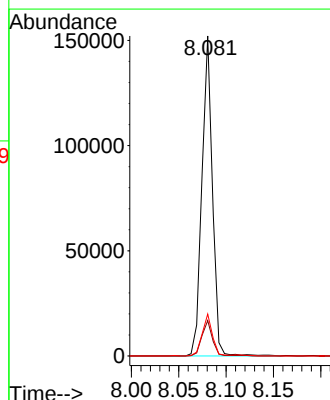
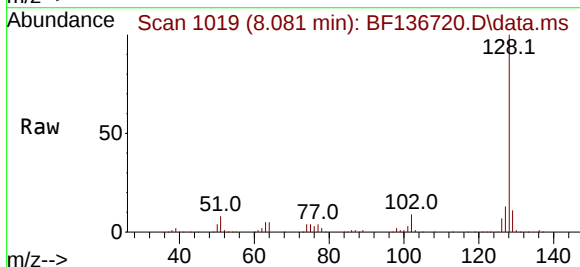
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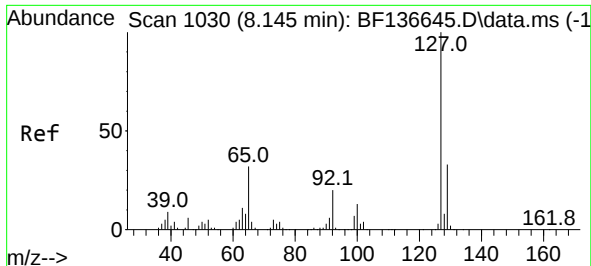
Tgt Ion: 82 Resp: 435561
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 7.895 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion: 128 Resp: 118236
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.1 10.8 16.2

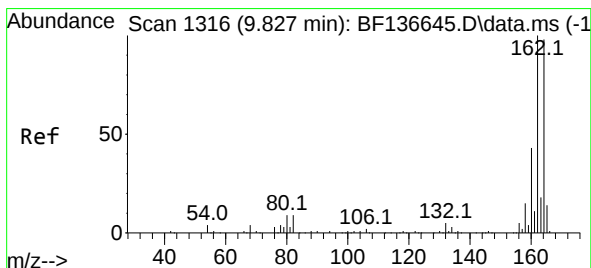
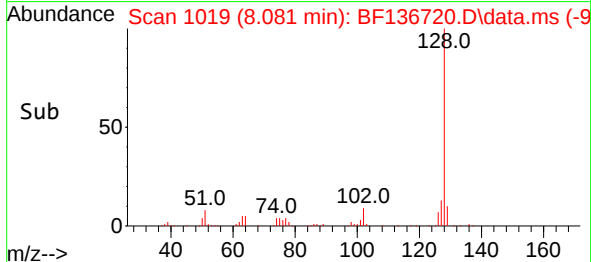
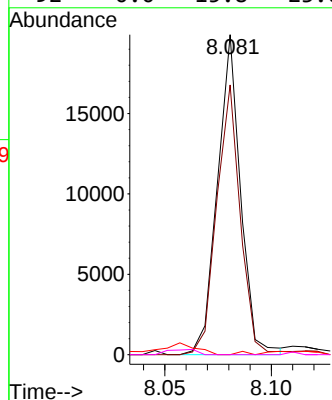
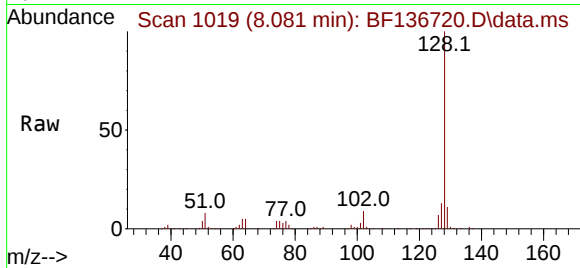




#33
4-Chloroaniline
Concen: 2.724 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.065 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

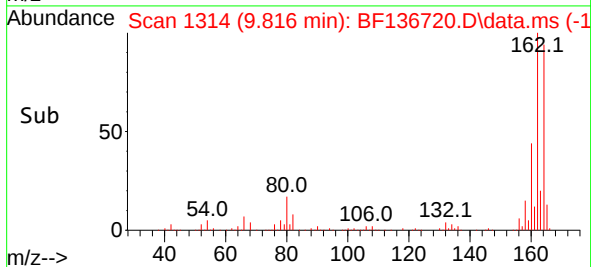
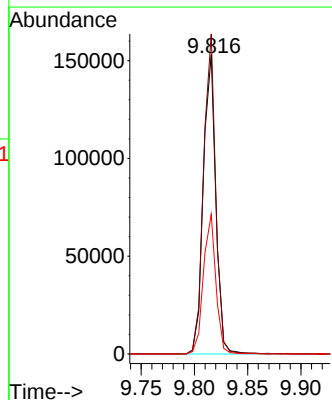
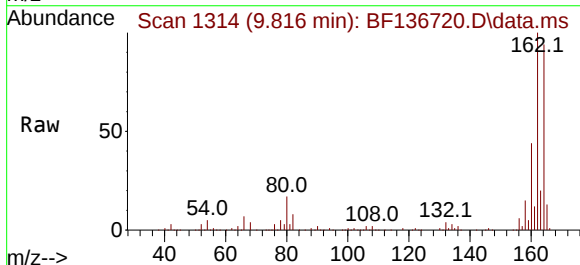
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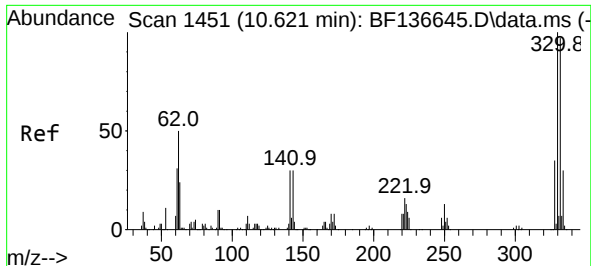
Tgt Ion:127	Resp:	15062
Ion Ratio	Lower	Upper
127	100	
129	84.3	26.3 39.5#
65	0.0	25.8 38.8#
92	0.0	15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion:164	Resp:	125263
Ion Ratio	Lower	Upper
164	100	
162	106.9	81.6 122.4
160	46.6	34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 116.140 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136720.D

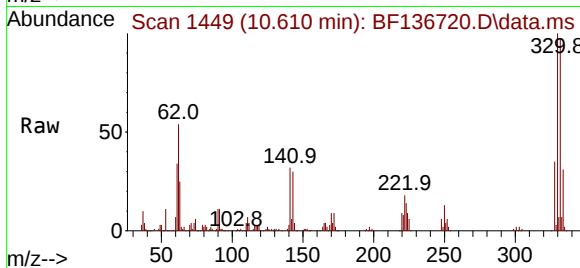
Acq: 26 Dec 2023 15:35

Instrument :

BNA_F

ClientSampleId :

E8965C-S-002



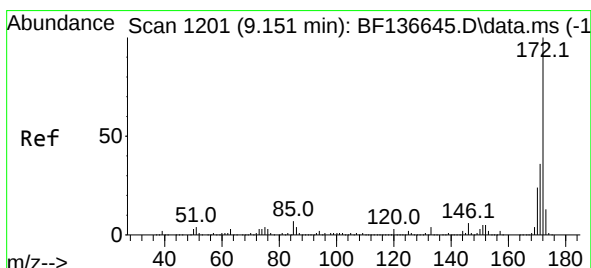
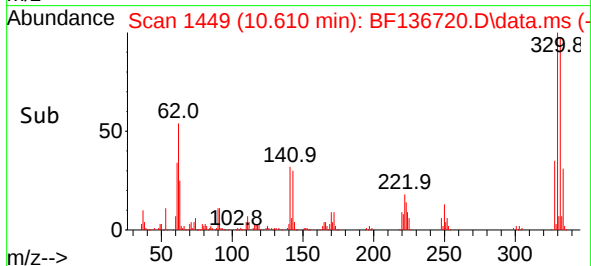
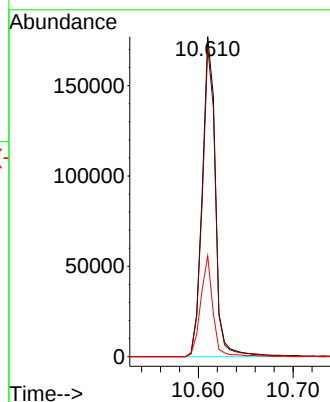
Tgt Ion:330 Resp: 171335

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

141 29.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 88.187 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136720.D

Acq: 26 Dec 2023 15:35

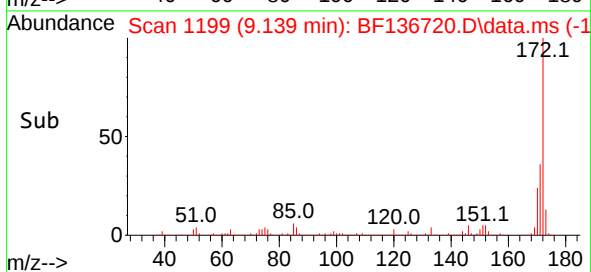
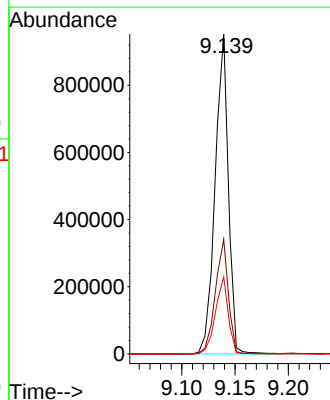
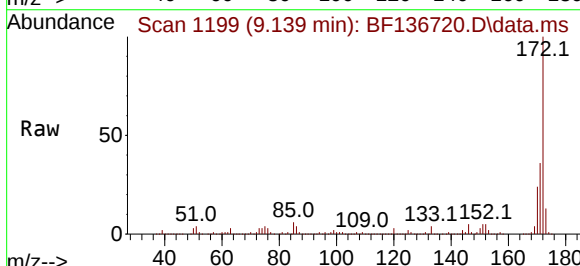
Tgt Ion:172 Resp: 821319

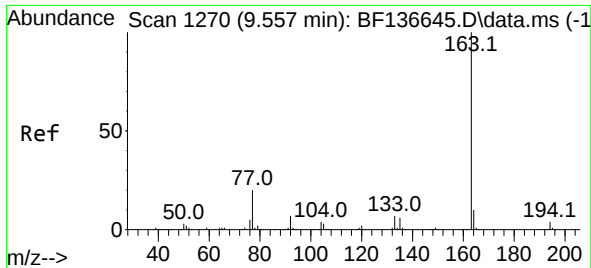
Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

170 24.0 19.0 28.4

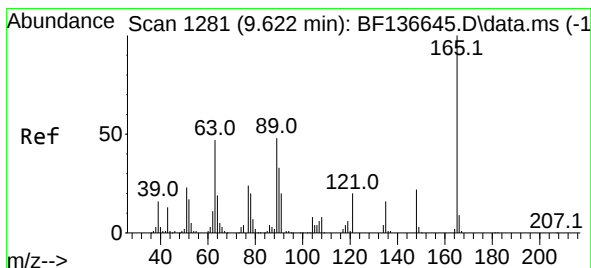
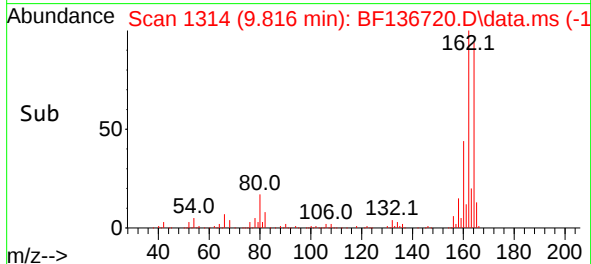
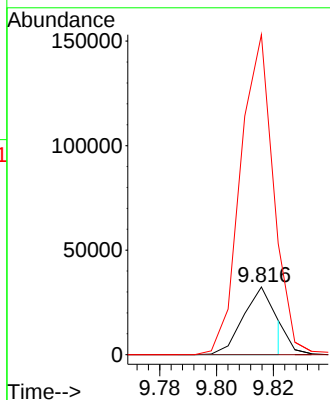
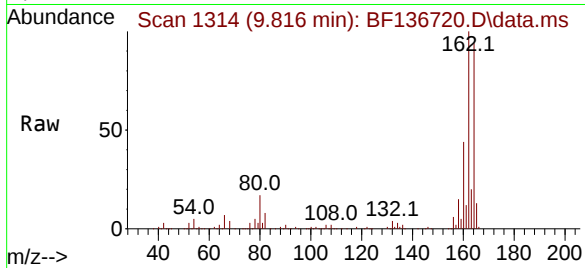




#50
Dimethylphthalate
Concen: 2.817 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

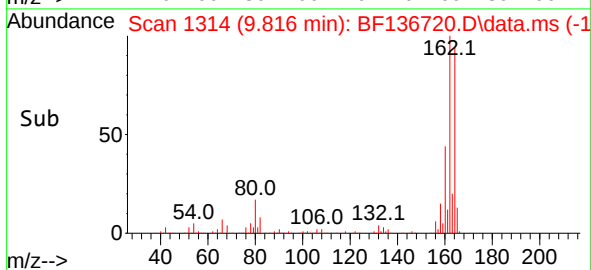
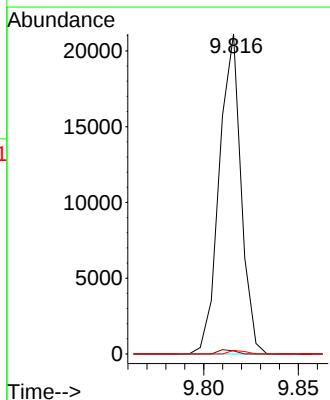
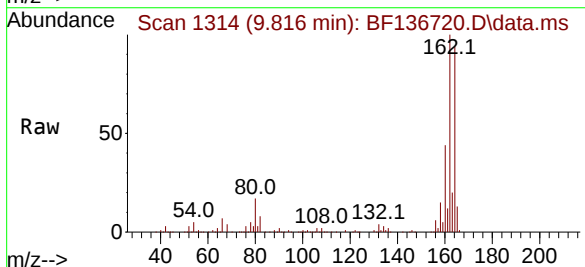
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

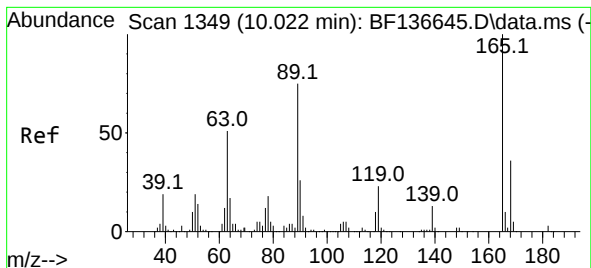
Tgt Ion:163 Resp: 25773
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 473.2 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.128 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion:165 Resp: 16878
Ion Ratio Lower Upper
165 100
63 0.9 39.8 59.6#
89 1.1 38.8 58.2#

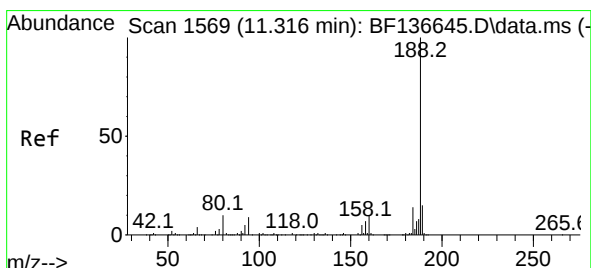
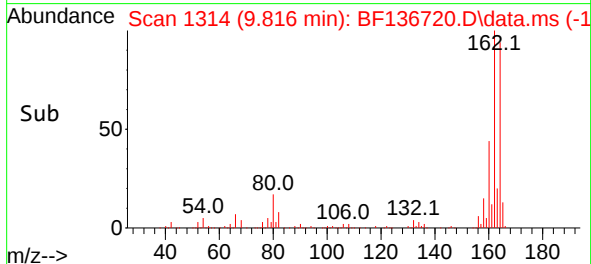
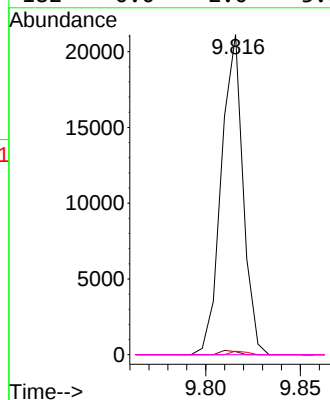
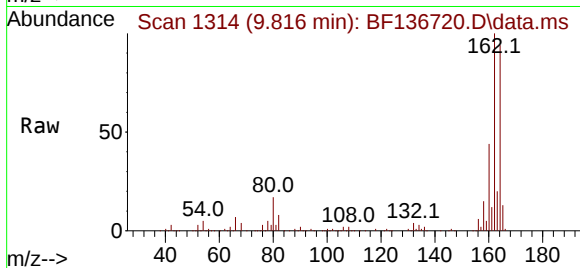




#57
2,4-Dinitrotoluene
Concen: 6.261 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

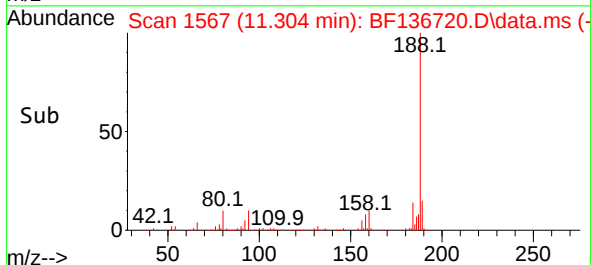
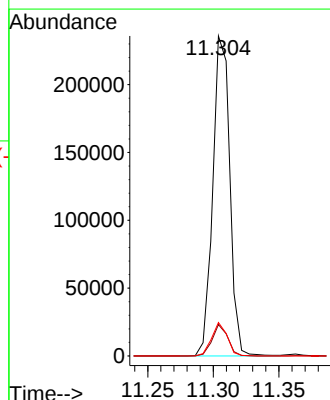
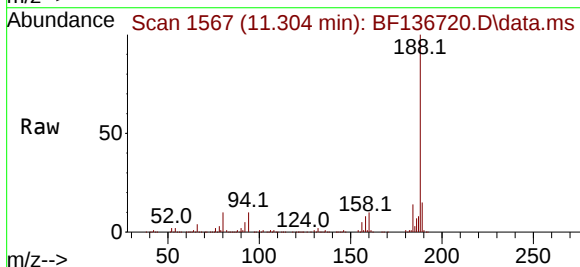
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

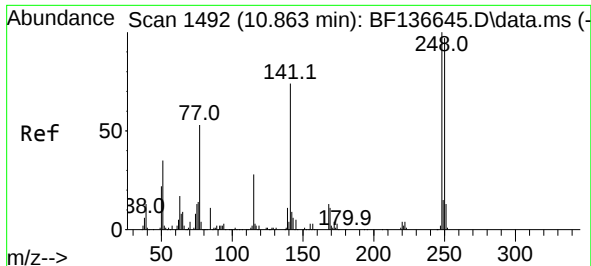
Tgt Ion:165 Resp: 16878
Ion Ratio Lower Upper
165 100
63 0.9 41.0 61.6#
89 1.1 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

Tgt Ion:188 Resp: 212626
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.4 8.1 12.1

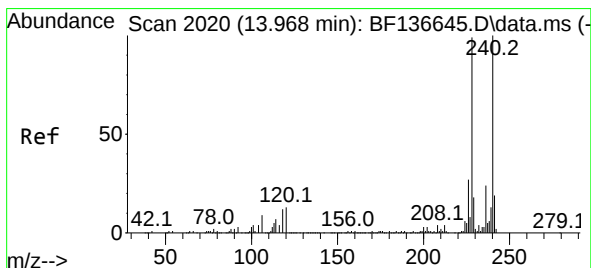
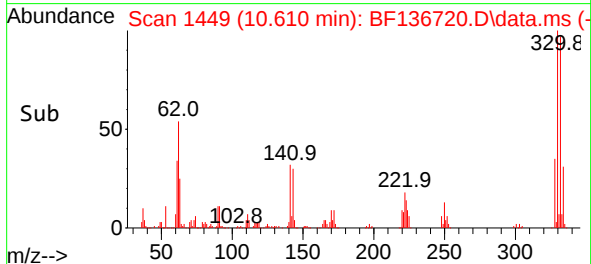
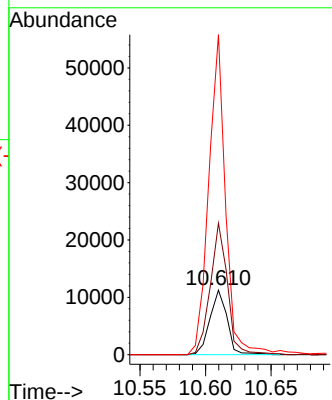
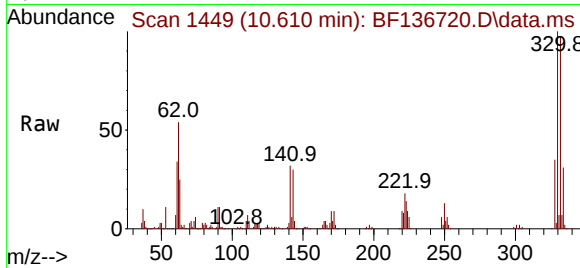




#67
4-Bromophenyl-phenylether
Concen: 4.361 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

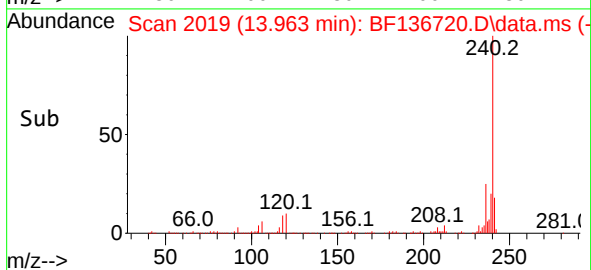
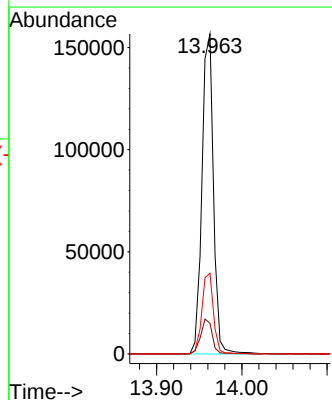
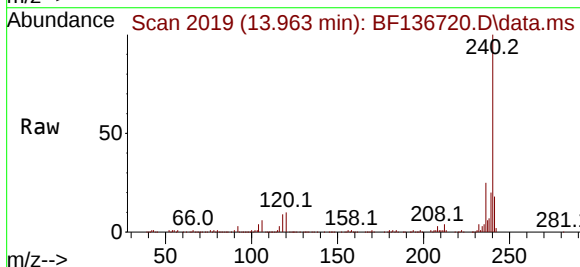
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002

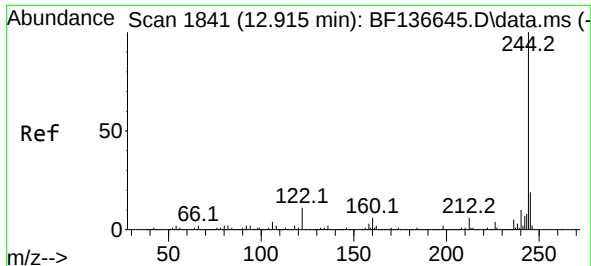
Tgt Ion:248 Resp: 10297
Ion Ratio Lower Upper
248 100
250 203.8 77.8 116.6#
141 496.1 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136720.D
Acq: 26 Dec 2023 15:35

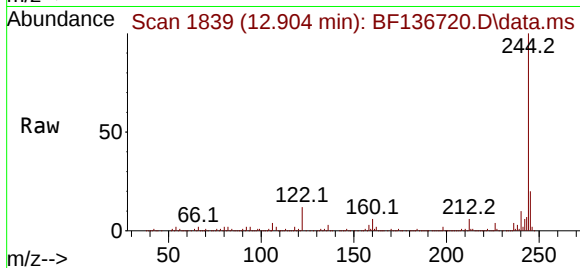
Tgt Ion:240 Resp: 147227
Ion Ratio Lower Upper
240 100
120 9.6 10.3 15.5#
236 25.3 19.4 29.2



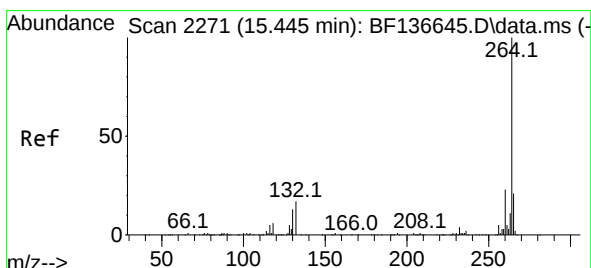
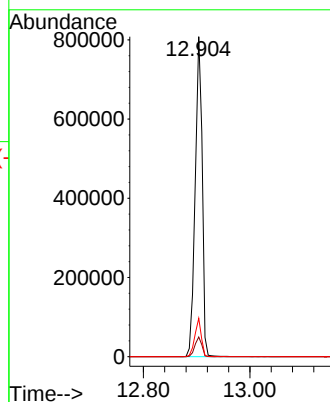
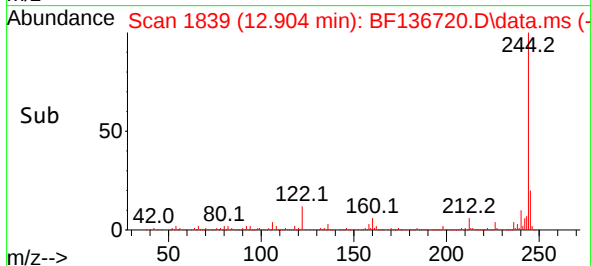


#79
 Terphenyl-d14
 Concen: 70.011 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136720.D
 Acq: 26 Dec 2023 15:35

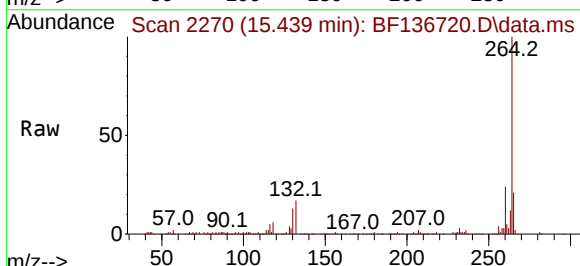
Instrument :
 BNA_F
 ClientSampleId :
 E8965C-S-002



Tgt Ion:244 Resp: 737582
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 12.0 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: BF136720.D
 Acq: 26 Dec 2023 15:35



Tgt Ion:264 Resp: 129335
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.3 27.5
 265 21.2 17.0 25.6

