

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135457.D
 Acq On : 26 Sep 2023 17:26
 Operator : CG\JU
 Sample : 04531-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-BCD

Quant Time: Sep 27 02:15:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 26 01:36:36 2023
 Response via : Initial Calibration

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

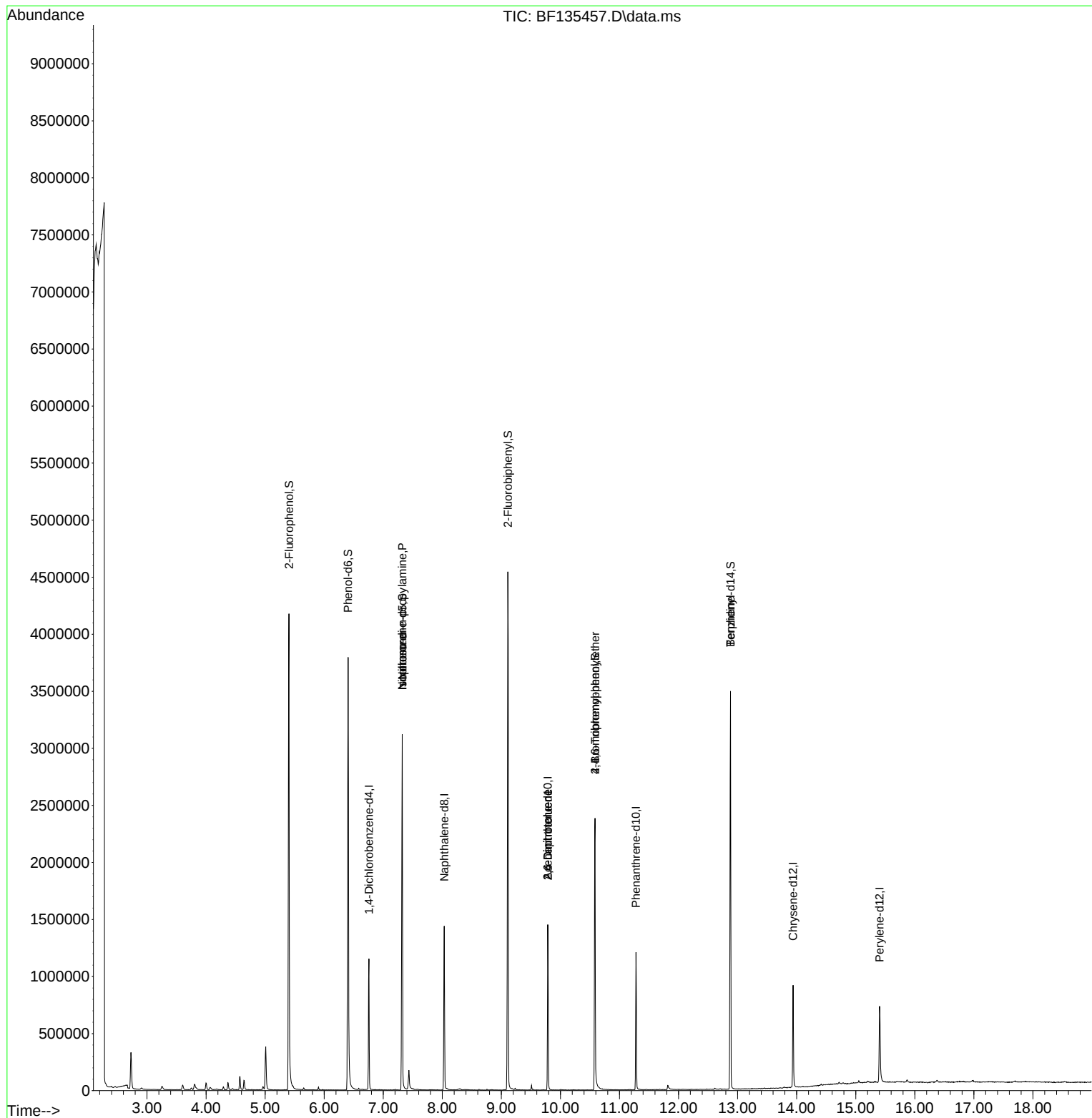
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	164122	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	611744	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	282573	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	429732	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	297967	20.000	ng	0.00
86) Perylene-d12	15.404	264	330151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1214678	120.374	ng	0.02
7) Phenol-d6	6.404	99	1490284	116.146	ng	0.00
23) Nitrobenzene-d5	7.322	82	1001168	88.914	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	302105	107.584	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1631611	87.115	ng	0.00
79) Terphenyl-d14	12.880	244	1264032	65.762	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	132210	16.635	ng	# 81
25) Isophorone	7.322	82	999759	48.353	ng	# 65
51) 2,6-Dinitrotoluene	9.786	165	37022	8.846	ng	# 17
57) 2,4-Dinitrotoluene	9.786	165	37022	7.066	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	18857	4.412	ng	# 1
77) Benzidine	12.880	184	16774	2.748	ng	# 93

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

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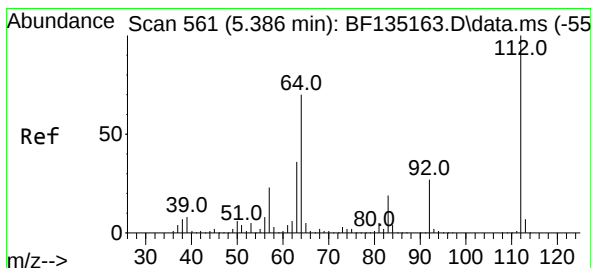
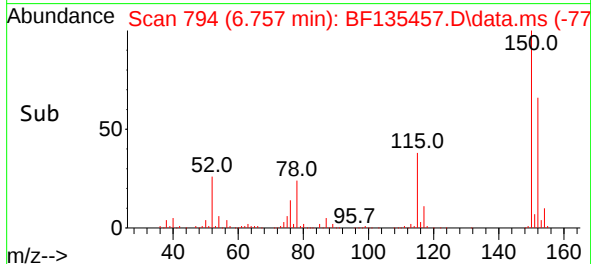
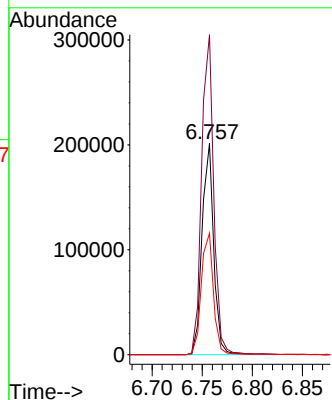
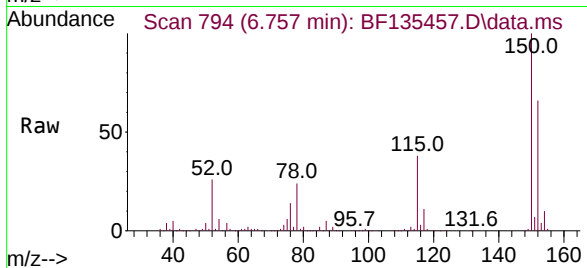




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

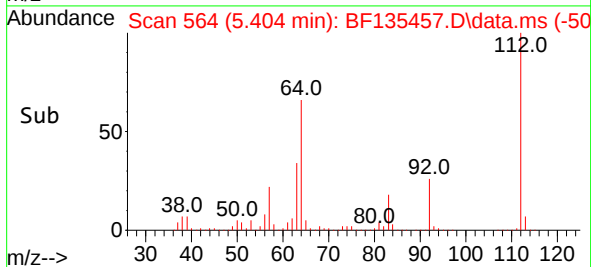
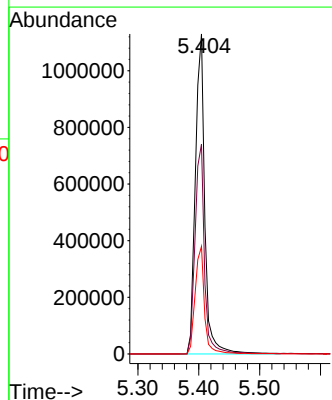
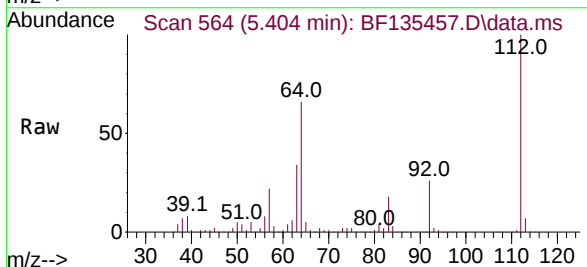
Instrument :
BNA_F
ClientSampleId :
TP-BCD

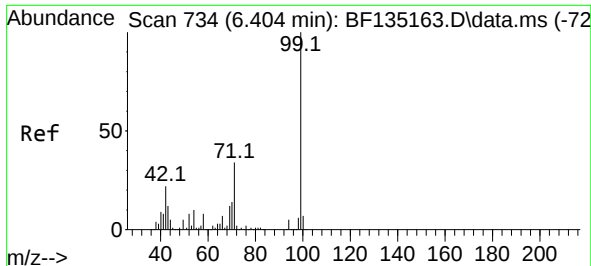
Tgt Ion:152 Resp: 164122
Ion Ratio Lower Upper
152 100
150 151.4 127.8 191.6
115 57.5 49.8 74.8



#5
2-Fluorophenol
Concen: 120.374 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.023 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

Tgt Ion:112 Resp: 1214678
Ion Ratio Lower Upper
112 100
64 65.6 55.9 83.9
63 33.6 29.0 43.6

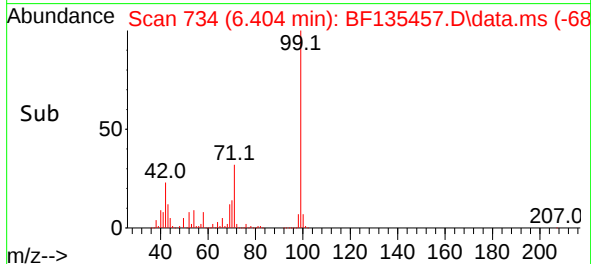
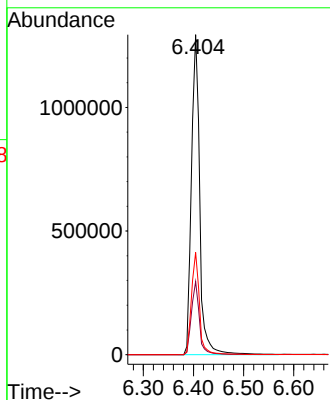
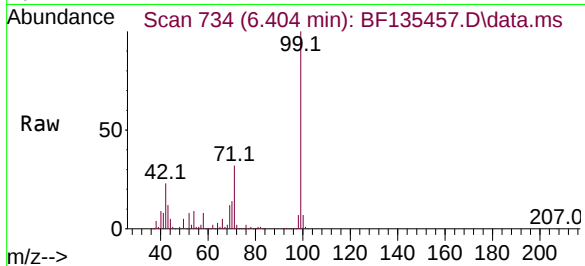




#7
Phenol-d6
Concen: 116.146 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

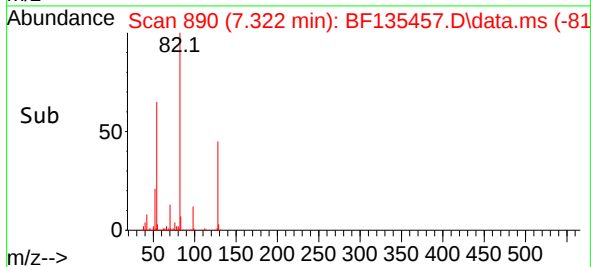
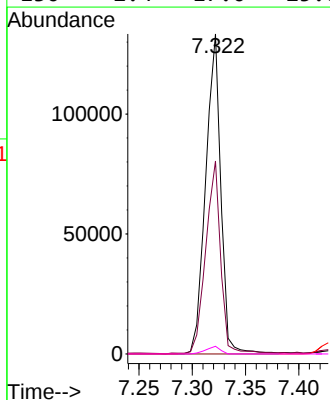
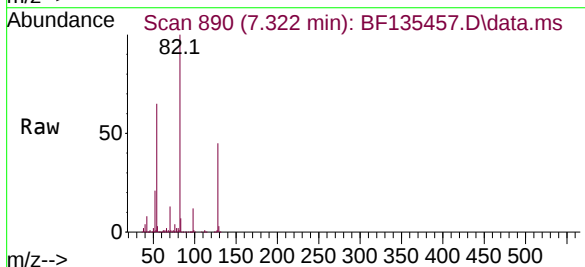
Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion: 99 Resp: 1490284
Ion Ratio Lower Upper
99 100
42 22.9 17.9 26.9
71 32.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.635 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.147 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

Tgt Ion: 70 Resp: 132210
Ion Ratio Lower Upper
70 100
42 60.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#

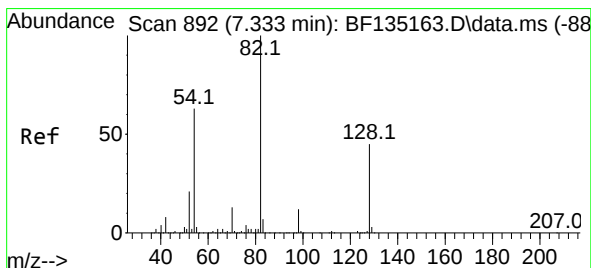
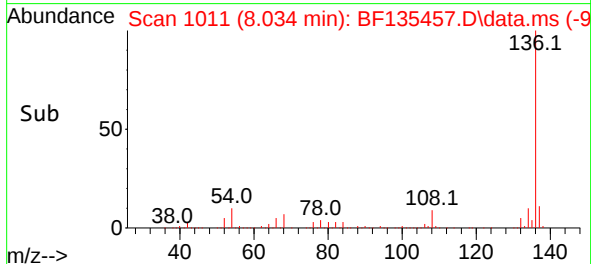
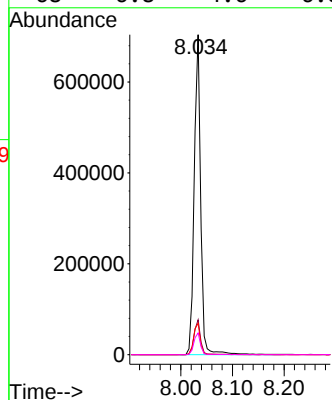
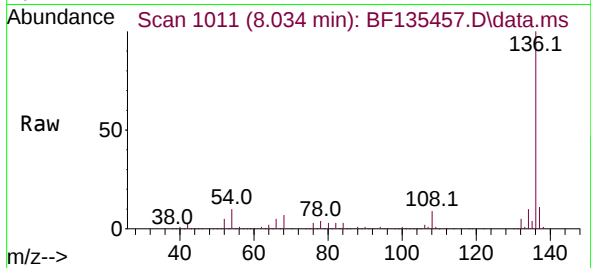




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

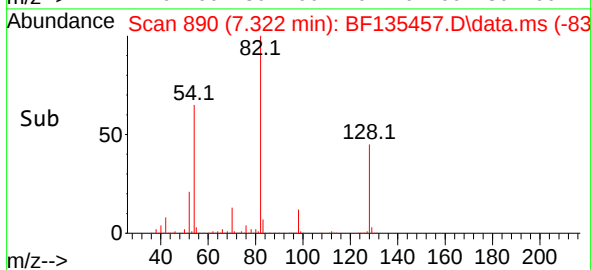
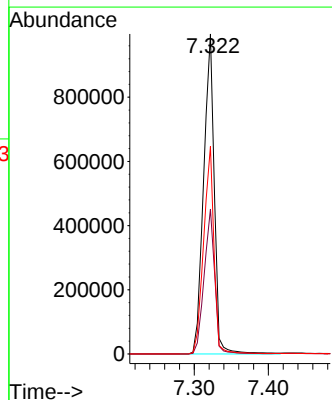
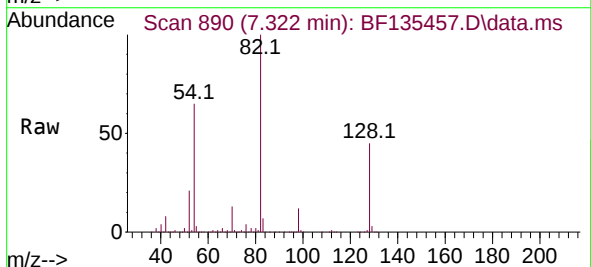
Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion:136 Resp: 611744
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.8 7.7 11.5
68 6.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 88.914 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.000 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

Tgt Ion: 82 Resp: 1001168
Ion Ratio Lower Upper
82 100
128 45.3 35.8 53.6
54 64.8 50.6 76.0

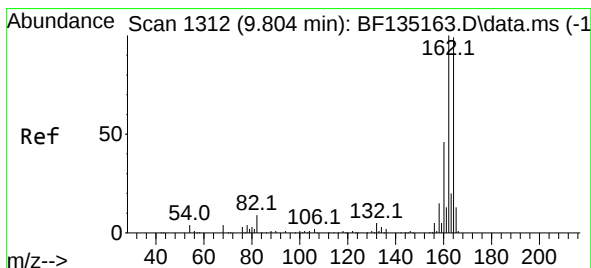
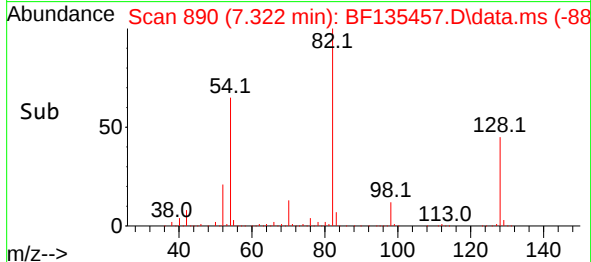
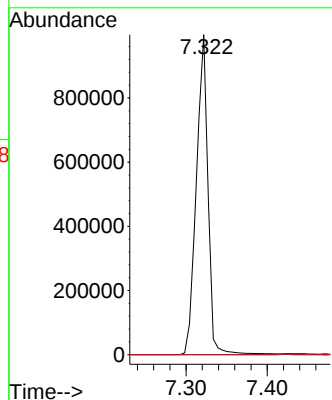
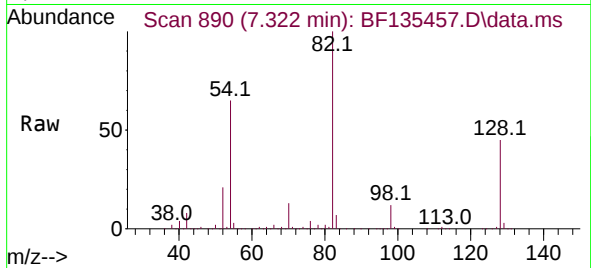




#25
Isophorone
Concen: 48.353 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

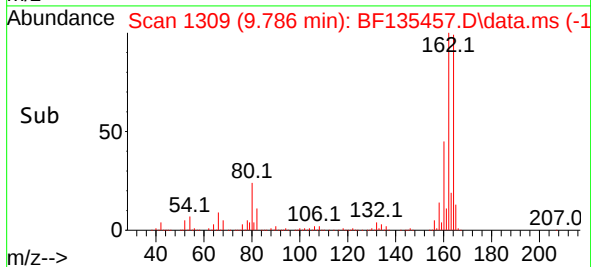
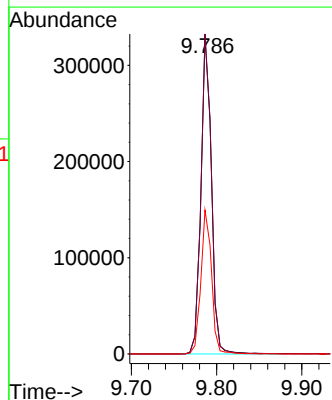
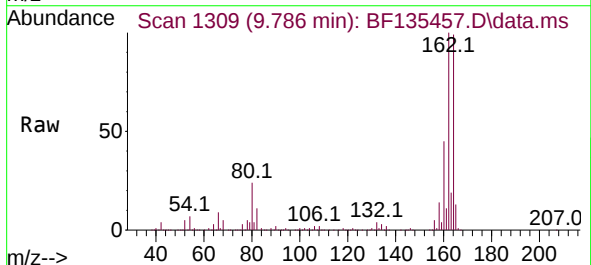
Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion: 82 Resp: 999759
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

Tgt Ion:164 Resp: 282573
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 45.3 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 107.584 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.000 min

Lab File: BF135457.D

Acq: 26 Sep 2023 17:26

Instrument :

BNA_F

ClientSampleId :

TP-BCD

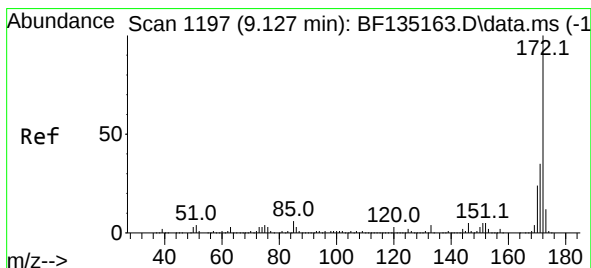
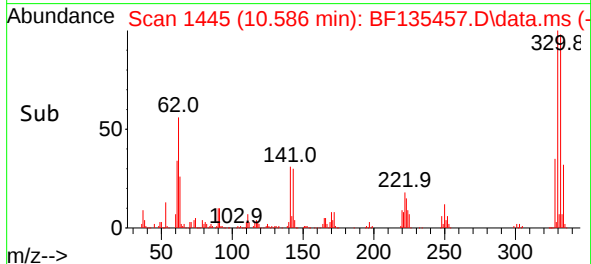
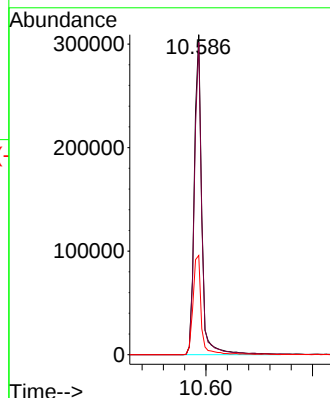
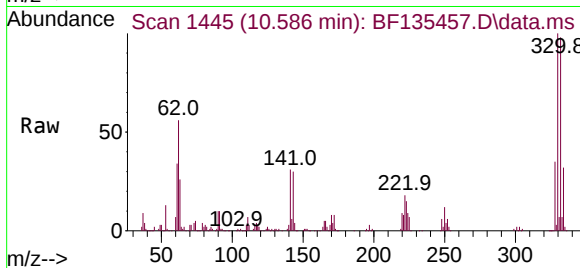
Tgt Ion:330 Resp: 302105

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 34.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 87.115 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF135457.D

Acq: 26 Sep 2023 17:26

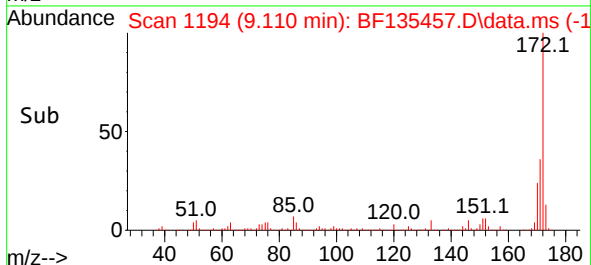
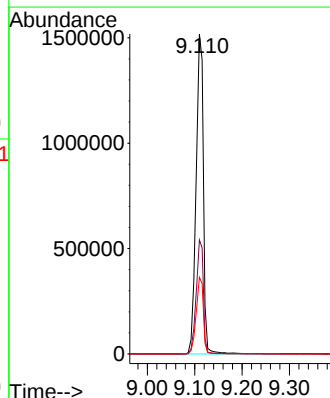
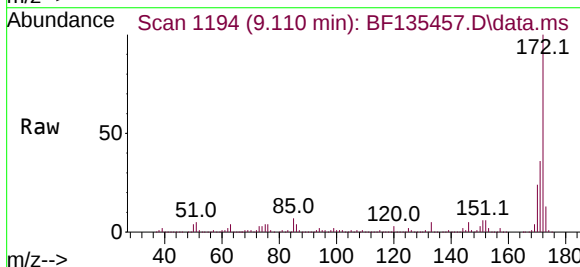
Tgt Ion:172 Resp: 1631611

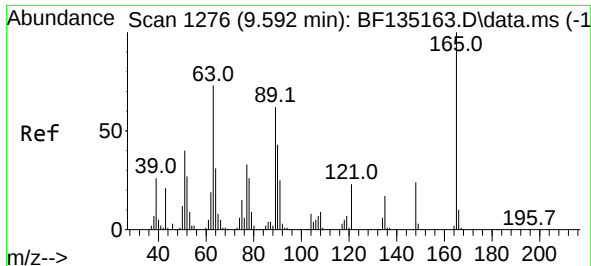
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 24.0 19.0 28.4

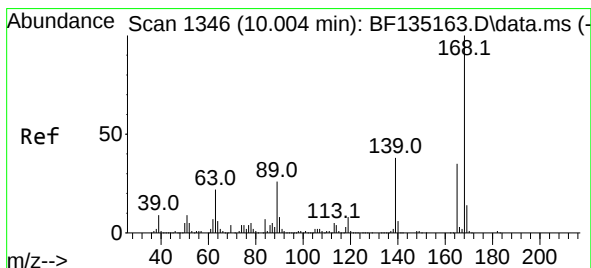
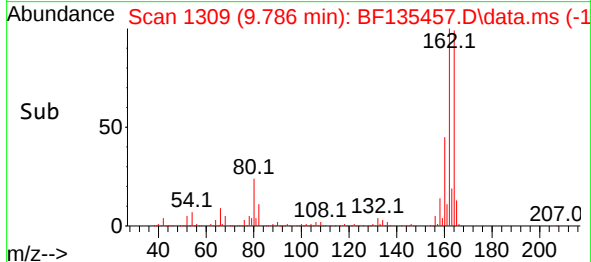
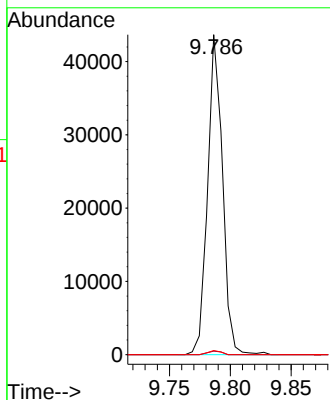
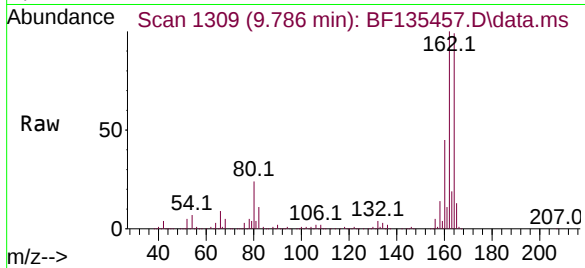




#51
2,6-Dinitrotoluene
Concen: 8.846 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

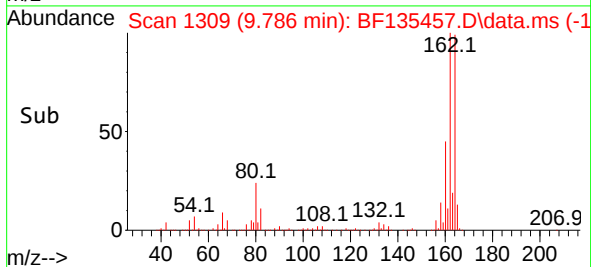
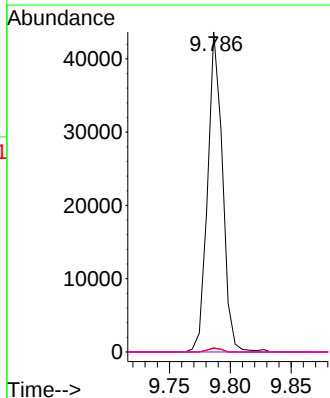
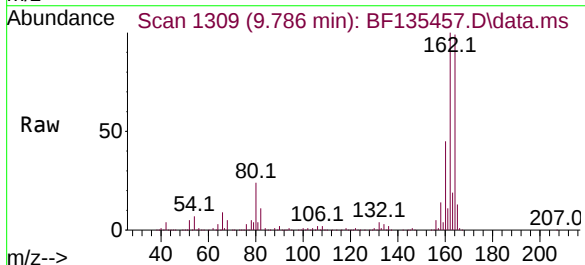
Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion:165 Resp: 37022
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.3 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.066 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.212 min
Lab File: BF135457.D
Acq: 26 Sep 2023 17:26

Tgt Ion:165 Resp: 37022
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135457.D

Acq: 26 Sep 2023 17:26

Instrument :

BNA_F

ClientSampleId :

TP-BCD

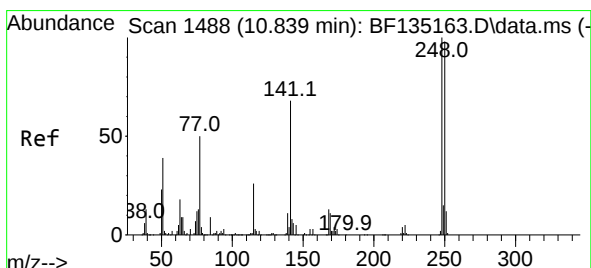
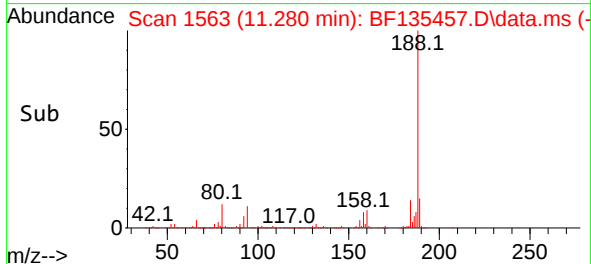
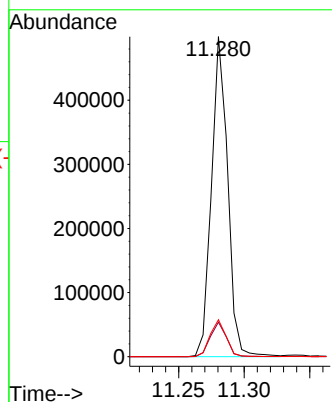
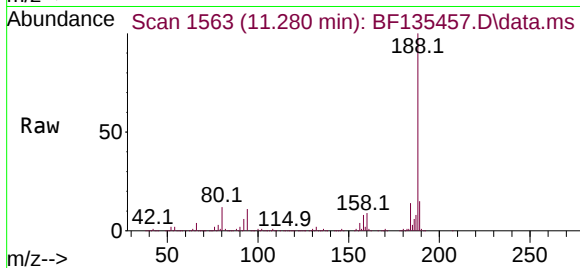
Tgt Ion:188 Resp: 429732

Ion Ratio Lower Upper

188 100

94 10.8 7.0 10.6#

80 11.6 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.412 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.241 min

Lab File: BF135457.D

Acq: 26 Sep 2023 17:26

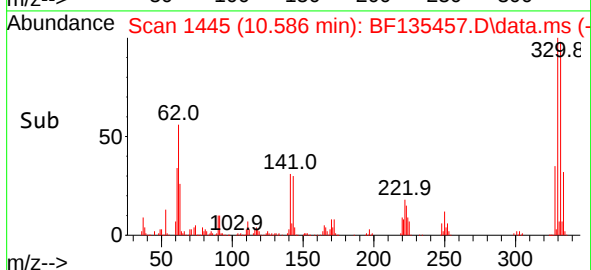
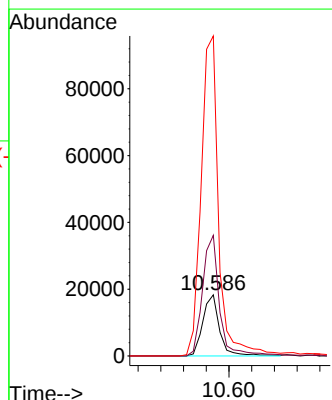
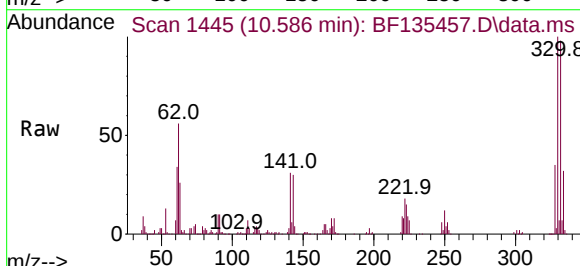
Tgt Ion:248 Resp: 18857

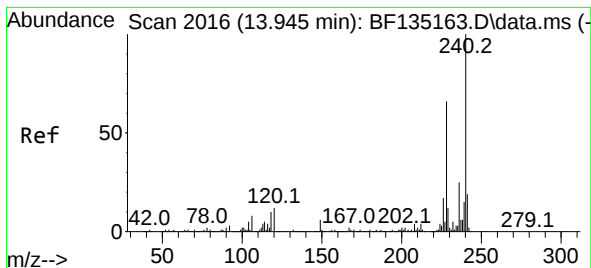
Ion Ratio Lower Upper

248 100

250 197.5 78.6 117.8#

141 523.6 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135457.D

Acq: 26 Sep 2023 17:26

Instrument :

BNA_F

ClientSampleId :

TP-BCD

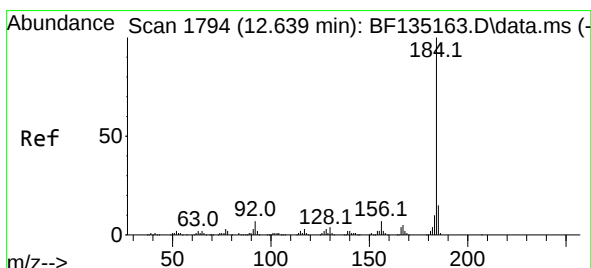
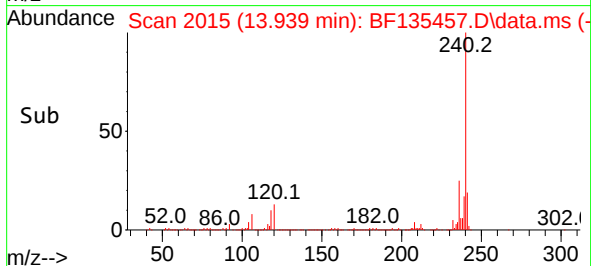
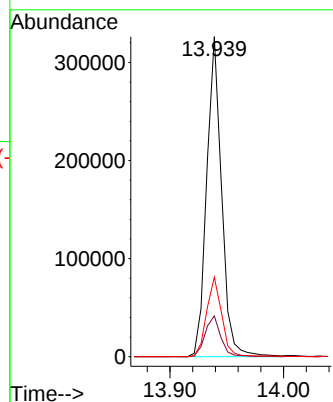
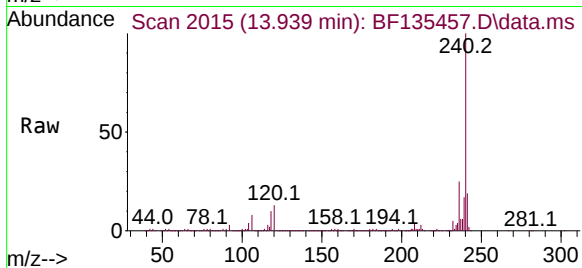
Tgt Ion:240 Resp: 297967

Ion Ratio Lower Upper

240 100

120 12.8 9.4 14.2

236 24.8 19.8 29.8



#77

Benzidine

Concen: 2.748 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.247 min

Lab File: BF135457.D

Acq: 26 Sep 2023 17:26

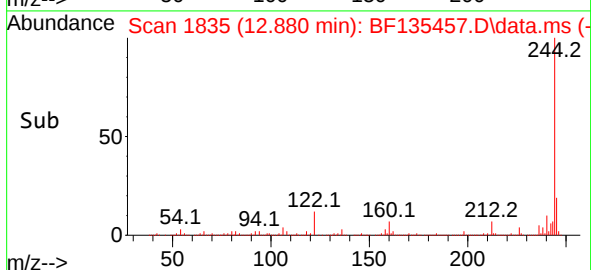
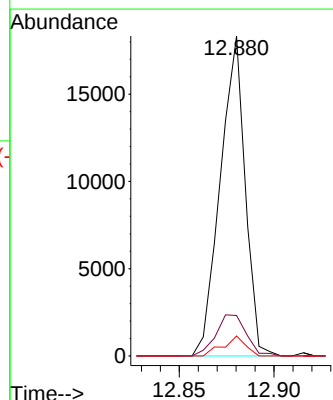
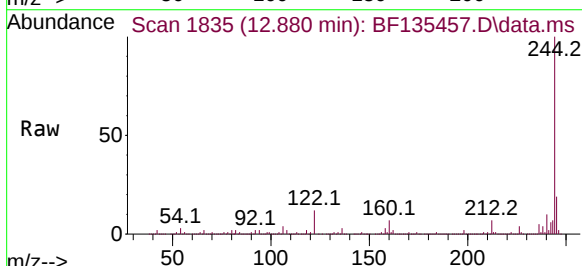
Tgt Ion:184 Resp: 16774

Ion Ratio Lower Upper

184 100

185 12.6 11.7 17.5

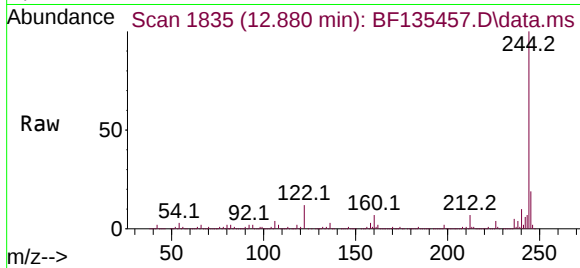
183 6.2 8.2 12.4#



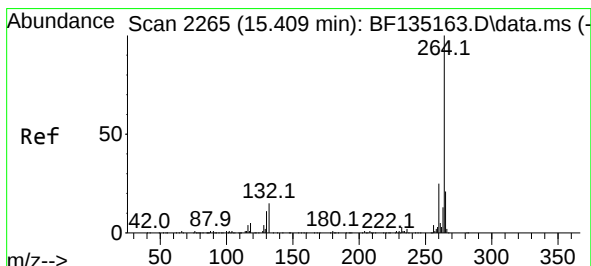
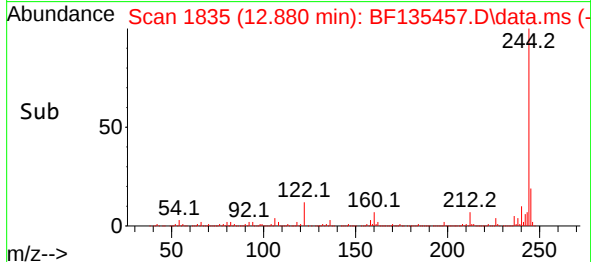
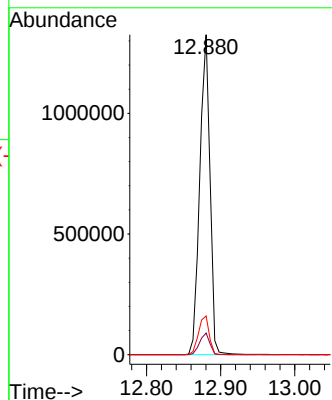


#79
 Terphenyl-d14
 Concen: 65.762 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.000 min
 Lab File: BF135457.D
 Acq: 26 Sep 2023 17:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-BCD



Tgt Ion:244 Resp: 1264032
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 12.1 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. -0.000 min
 Lab File: BF135457.D
 Acq: 26 Sep 2023 17:26

Tgt Ion:264 Resp: 330151
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.8 29.6
 265 21.3 17.0 25.4

