

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135577.D
 Acq On : 04 Oct 2023 19:03
 Operator : CG\JU
 Sample : PB155983TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB156015BL

Quant Time: Oct 04 23:26:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

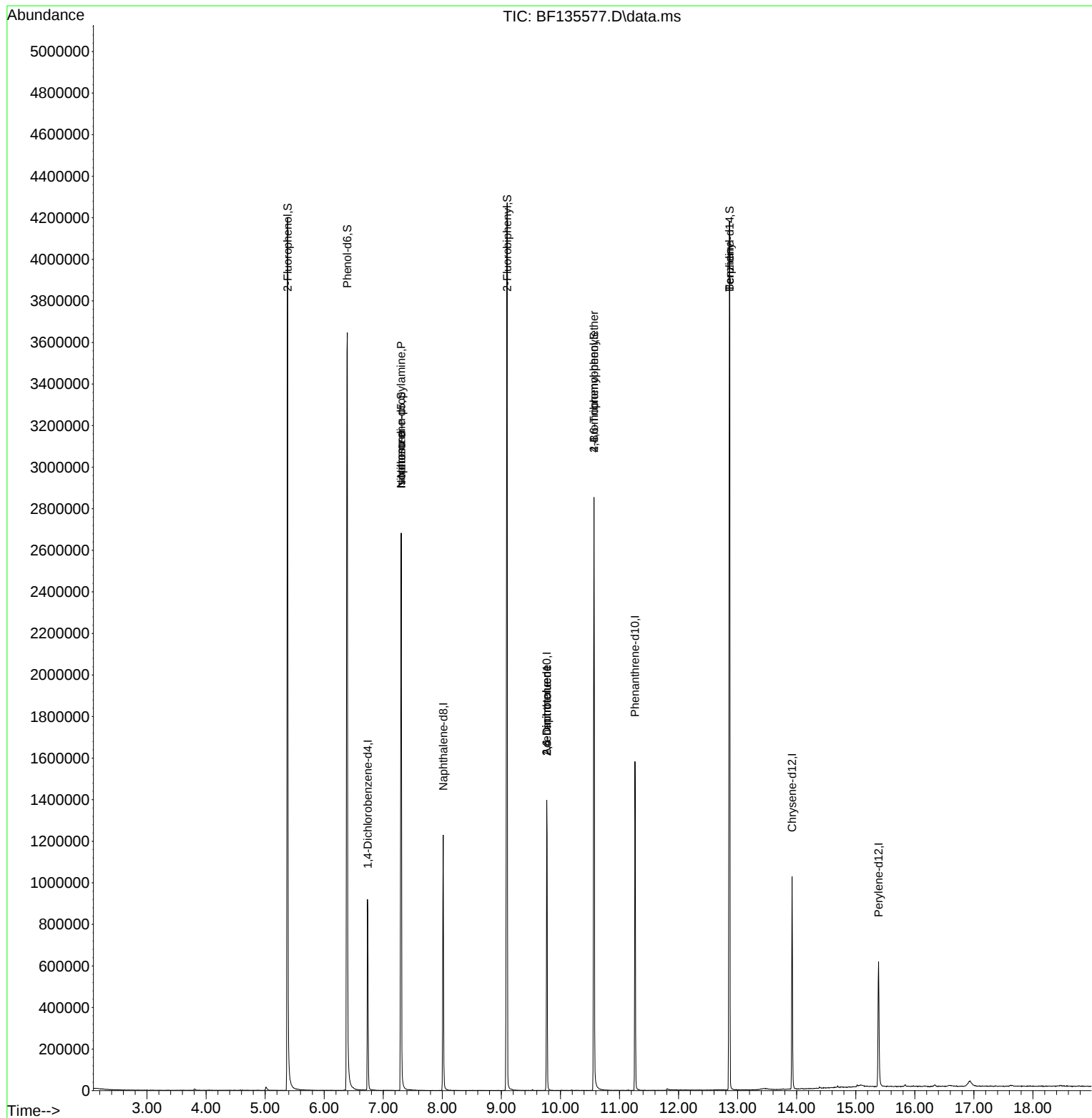
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	144436	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	562249	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	290419	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	574797	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	339983	20.000	ng	0.00
86) Perylene-d12	15.386	264	290481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1179458	132.815	ng	0.01
7) Phenol-d6	6.392	99	1479489	131.021	ng	0.00
23) Nitrobenzene-d5	7.304	82	949656	91.764	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	366887	127.124	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1610591	83.670	ng	0.00
79) Terphenyl-d14	12.863	244	1732687	79.004	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	124171	17.753	ng	# 80
25) Isophorone	7.304	82	949649	49.973	ng	# 65
51) 2,6-Dinitrotoluene	9.769	165	38164	8.872	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	38164	7.087	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	22829	3.993	ng	# 1
77) Benzidine	12.863	184	21798	3.130	ng	# 93

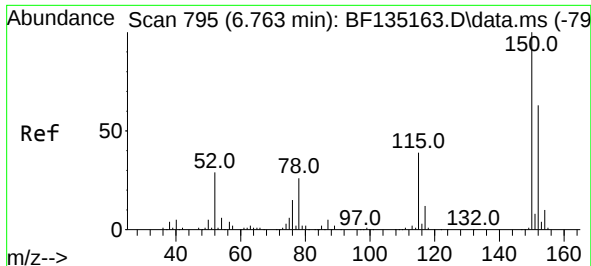
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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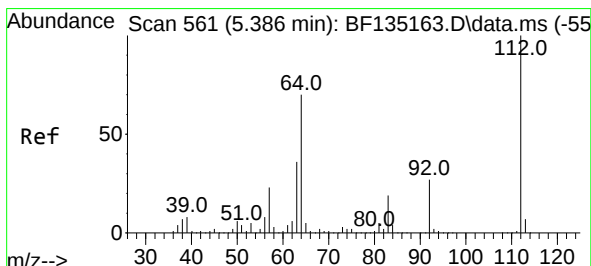
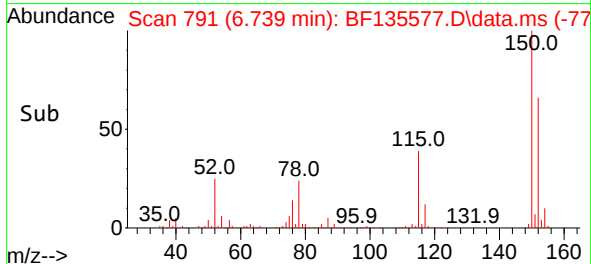
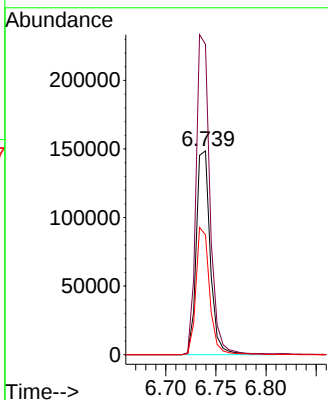
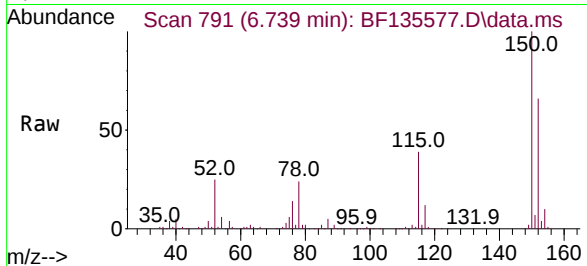




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

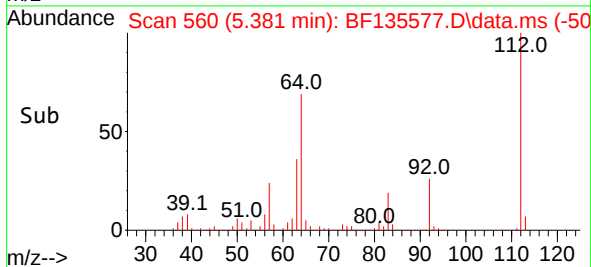
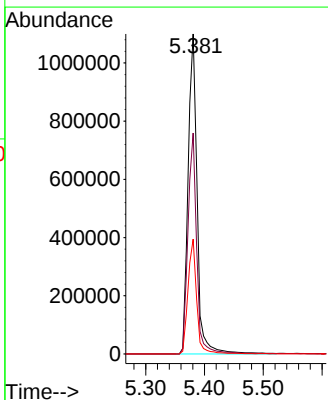
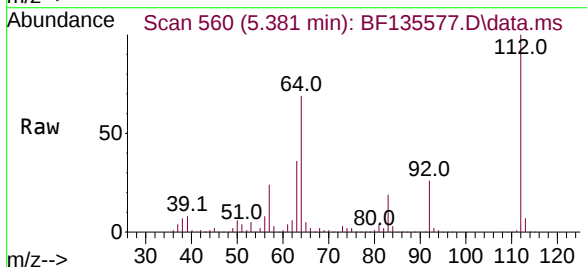
Instrument :
BNA_F
ClientSampleId :
PB156015BL

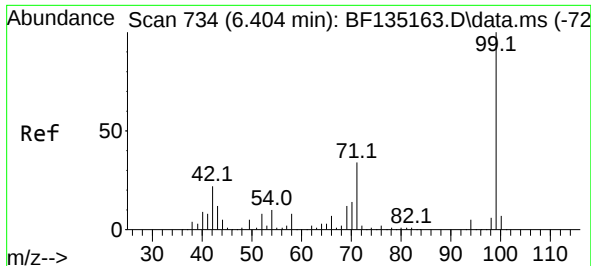
Tgt Ion:152 Resp: 144436
Ion Ratio Lower Upper
152 100
150 152.3 127.8 191.6
115 58.8 49.8 74.8



#5
2-Fluorophenol
Concen: 132.815 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

Tgt Ion:112 Resp: 1179458
Ion Ratio Lower Upper
112 100
64 69.0 55.9 83.9
63 35.9 29.0 43.6

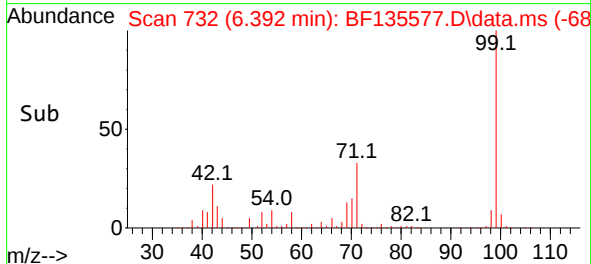
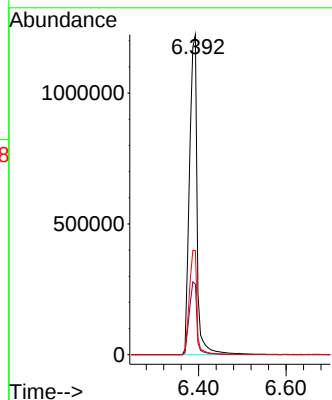
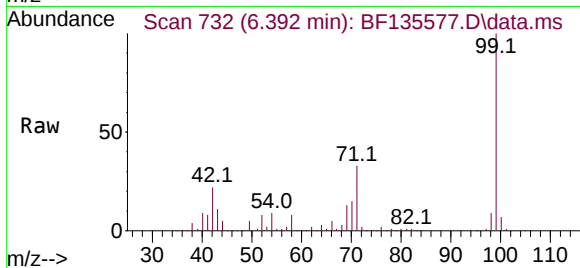




#7
Phenol-d6
Concen: 131.021 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

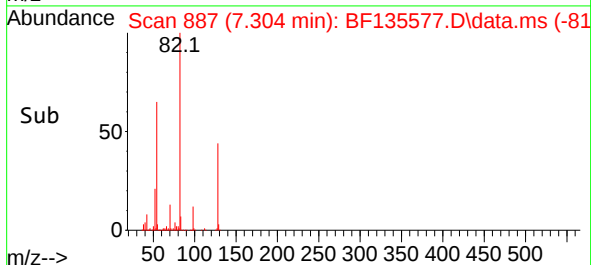
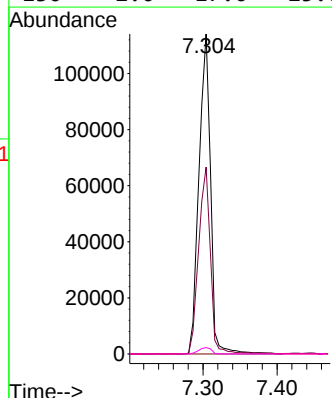
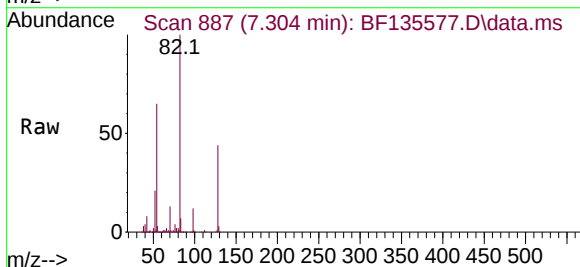
Instrument :
BNA_F
ClientSampleId :
PB156015BL

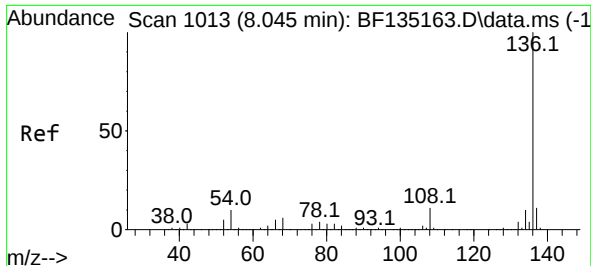
Tgt Ion: 99 Resp: 1479489
Ion Ratio Lower Upper
99 100
42 22.0 17.9 26.9
71 32.6 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.753 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

Tgt Ion: 70 Resp: 124171
Ion Ratio Lower Upper
70 100
42 58.4 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF135577.D

Acq: 04 Oct 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB156015BL

Tgt Ion:136 Resp: 562249

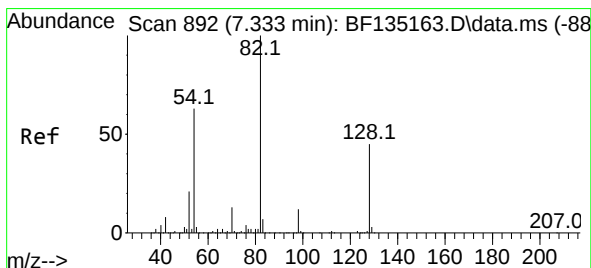
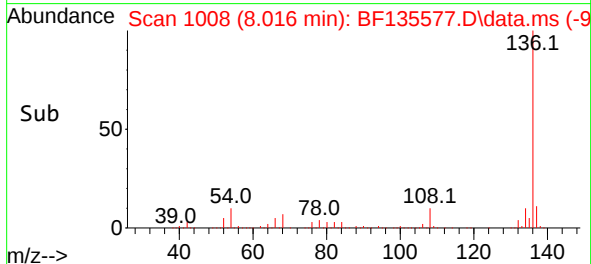
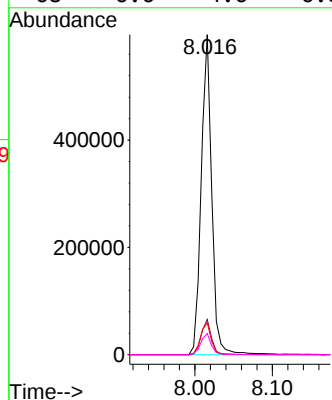
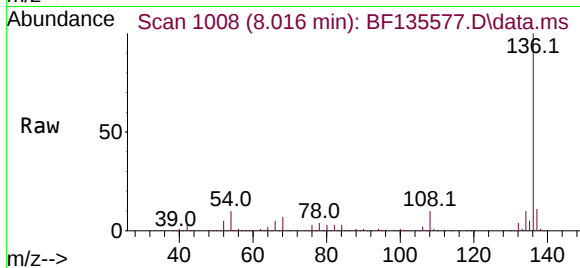
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.0 7.7 11.5

68 6.6 4.6 6.8



#23

Nitrobenzene-d5

Concen: 91.764 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135577.D

Acq: 04 Oct 2023 19:03

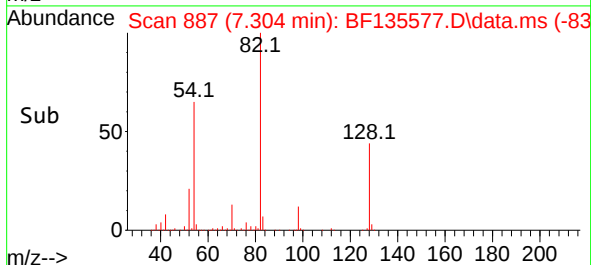
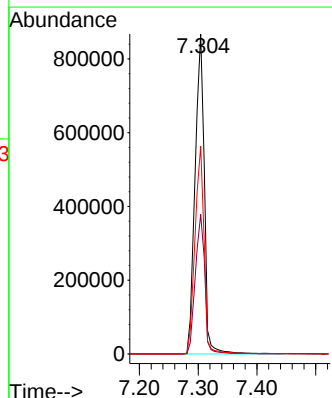
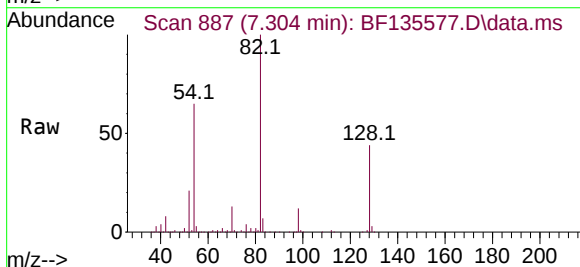
Tgt Ion: 82 Resp: 949656

Ion Ratio Lower Upper

82 100

128 43.6 35.8 53.6

54 64.9 50.6 76.0

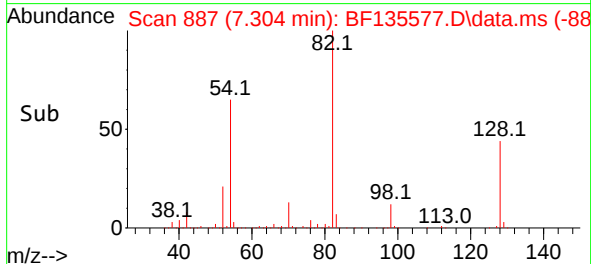
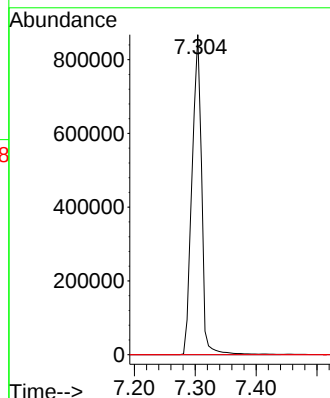
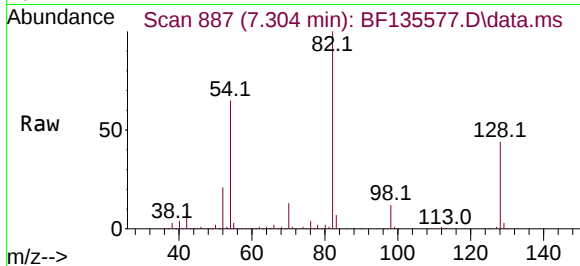




#25
Isophorone
Concen: 49.973 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

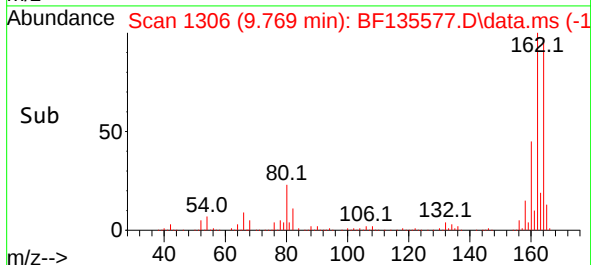
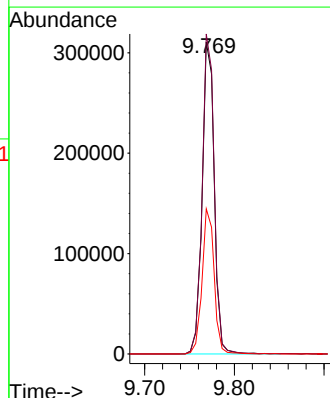
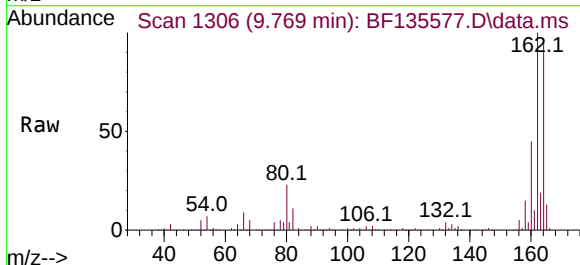
Instrument :
BNA_F
ClientSampleId :
PB156015BL

Tgt Ion: 82 Resp: 949649
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: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

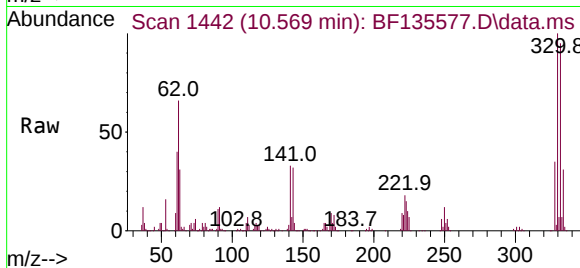
Tgt Ion: 164 Resp: 290419
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.4
160 46.6 37.0 55.4





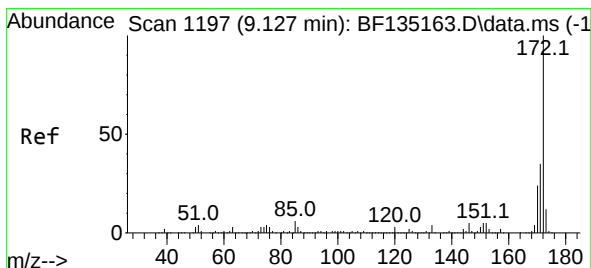
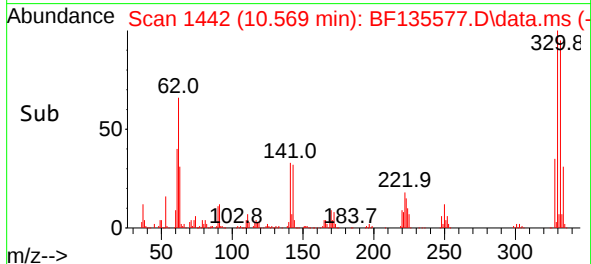
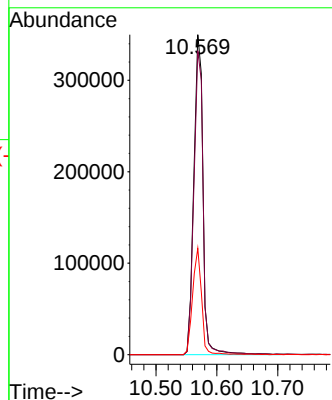
#42
 2,4,6-Tribromophenol
 Concen: 127.124 ng
 RT: 10.569 min Scan# 1442
 Delta R.T. 0.000 min
 Lab File: BF135577.D
 Acq: 04 Oct 2023 19:03

Instrument :
 BNA_F
 ClientSampleId :
 PB156015BL



Tgt Ion:330 Resp: 366887

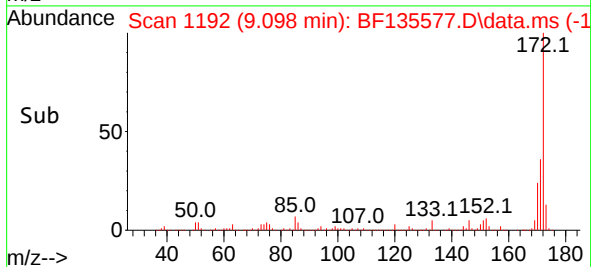
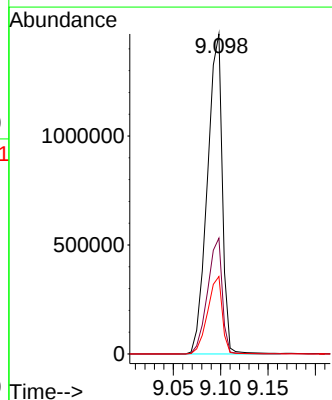
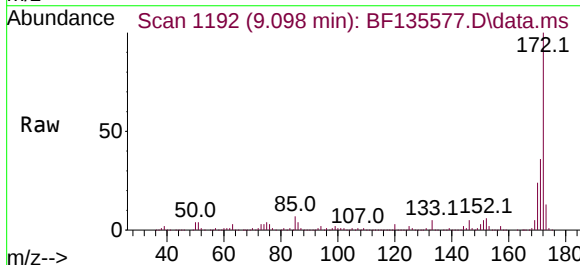
Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	32.7	25.8	38.8



#45
 2-Fluorobiphenyl
 Concen: 83.670 ng
 RT: 9.098 min Scan# 1192
 Delta R.T. 0.000 min
 Lab File: BF135577.D
 Acq: 04 Oct 2023 19:03

Tgt Ion:172 Resp: 1610591

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.4	42.6
170	24.2	19.0	28.4

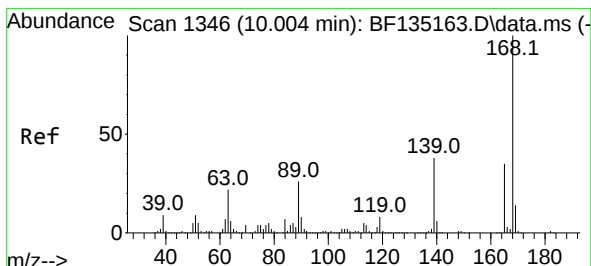
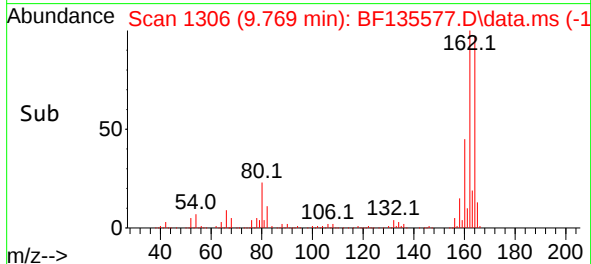
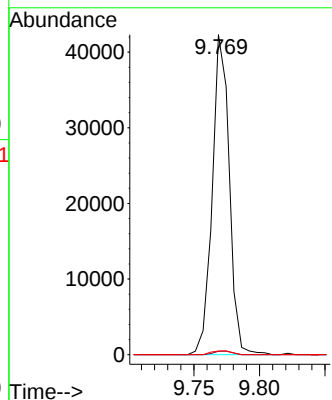
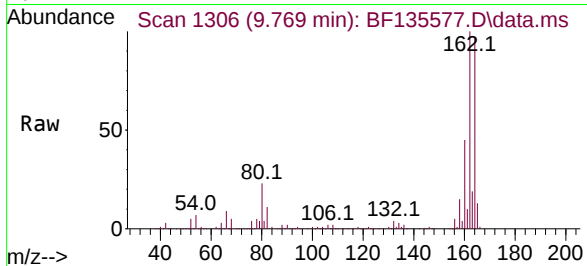




#51
2,6-Dinitrotoluene
Concen: 8.872 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.194 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

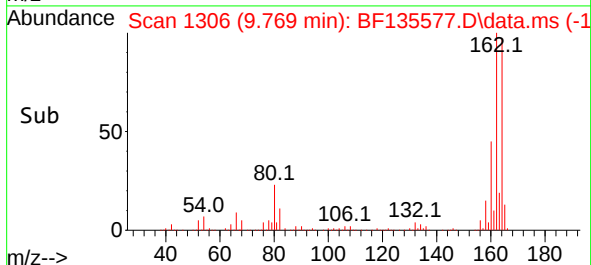
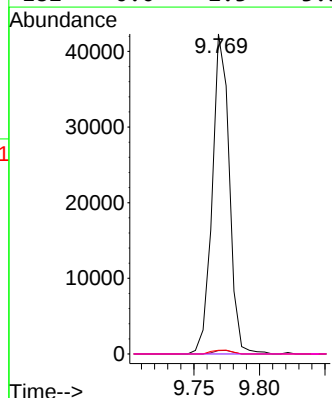
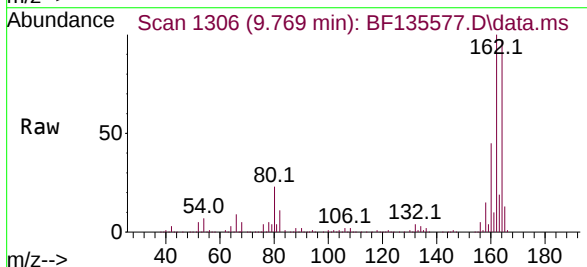
Instrument :
BNA_F
ClientSampleId :
PB156015BL

Tgt Ion:165 Resp: 38164
Ion Ratio Lower Upper
165 100
63 1.0 59.4 89.2#
89 1.1 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.087 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.218 min
Lab File: BF135577.D
Acq: 04 Oct 2023 19:03

Tgt Ion:165 Resp: 38164
Ion Ratio Lower Upper
165 100
63 1.0 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135577.D

Acq: 04 Oct 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB156015BL

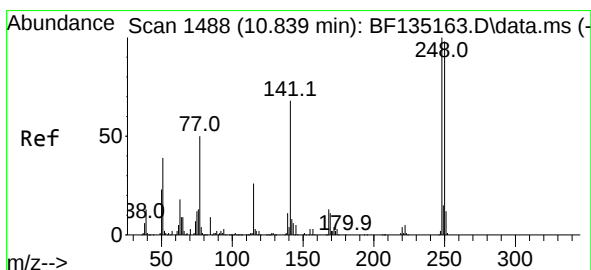
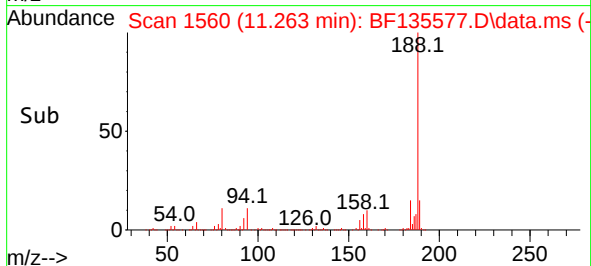
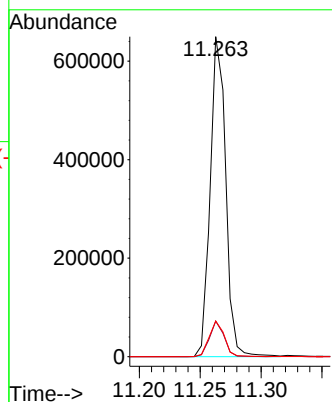
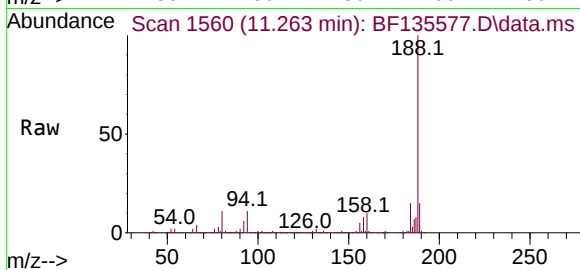
Tgt Ion:188 Resp: 574797

Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.2 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.993 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135577.D

Acq: 04 Oct 2023 19:03

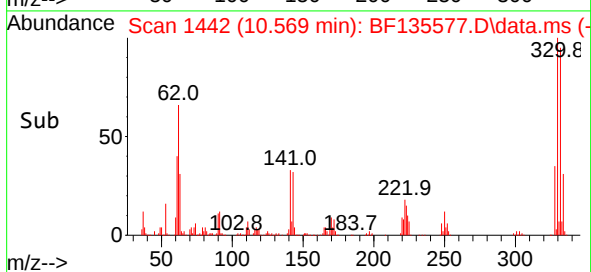
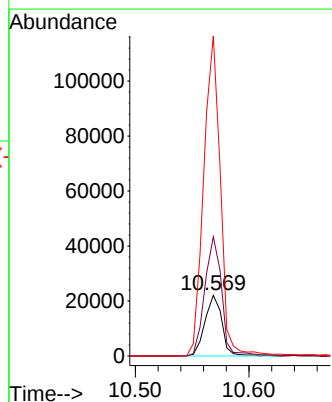
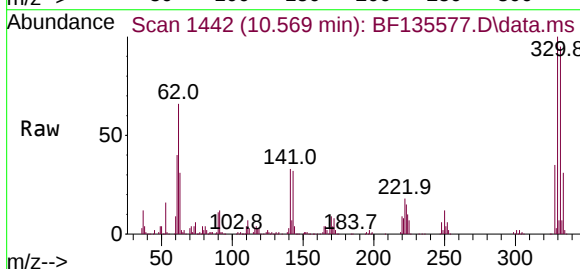
Tgt Ion:248 Resp: 22829

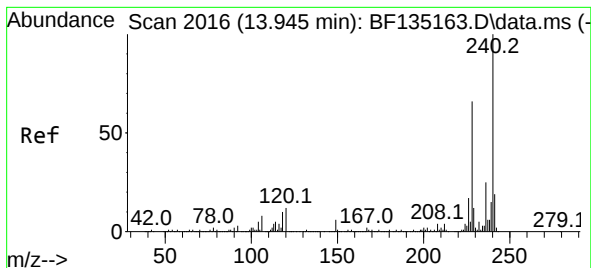
Ion Ratio Lower Upper

248 100

250 196.3 78.6 117.8#

141 527.0 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135577.D

Acq: 04 Oct 2023 19:03

Instrument :

BNA_F

ClientSampleId :

PB156015BL

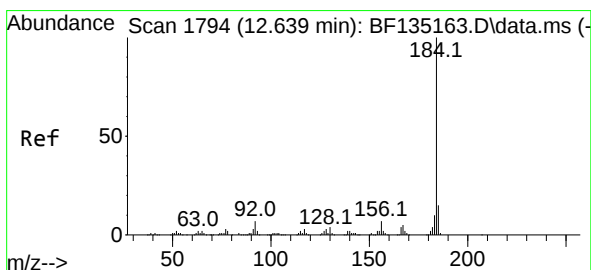
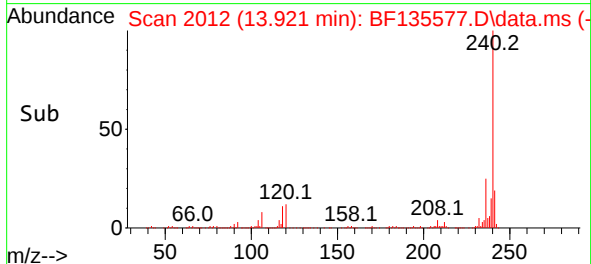
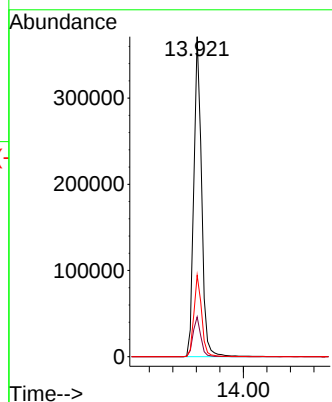
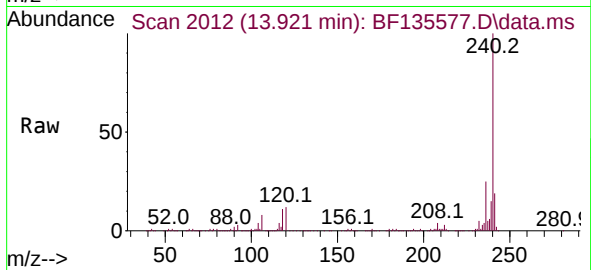
Tgt Ion:240 Resp: 339983

Ion Ratio Lower Upper

240 100

120 12.4 9.4 14.2

236 25.4 19.8 29.8



#77

Benzidine

Concen: 3.130 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135577.D

Acq: 04 Oct 2023 19:03

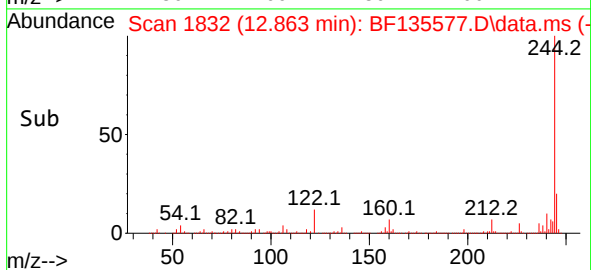
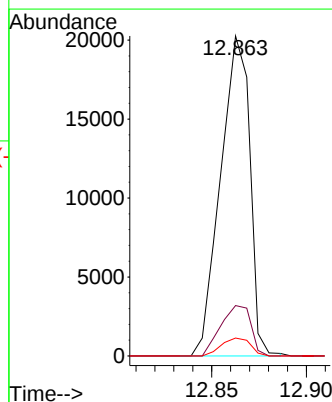
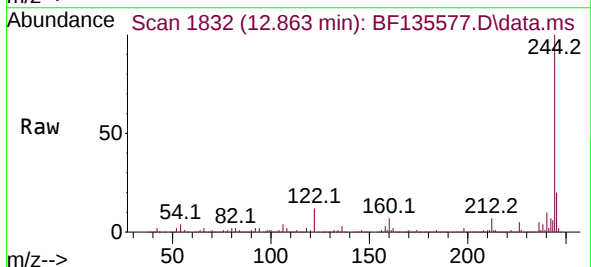
Tgt Ion:184 Resp: 21798

Ion Ratio Lower Upper

184 100

185 15.8 11.7 17.5

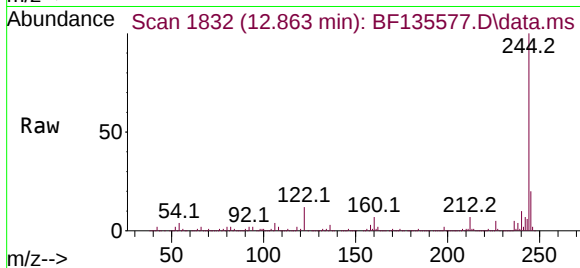
183 5.6 8.2 12.4





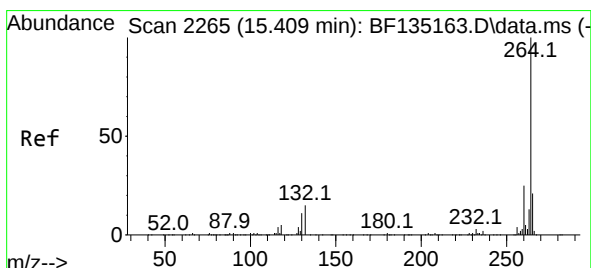
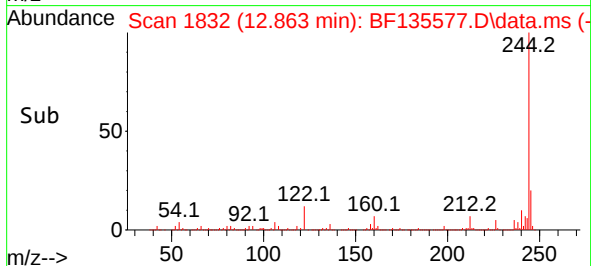
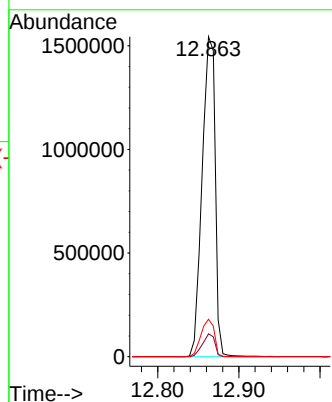
#79
 Terphenyl-d14
 Concen: 79.004 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF135577.D
 Acq: 04 Oct 2023 19:03

Instrument :
 BNA_F
 ClientSampleId :
 PB156015BL



Tgt Ion:244 Resp: 1732687

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.1	7.7
122	11.7	7.9	11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2261
 Delta R.T. 0.000 min
 Lab File: BF135577.D
 Acq: 04 Oct 2023 19:03

Tgt Ion:264 Resp: 290481

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	22.0	17.0	25.4

