

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135583.D
 Acq On : 04 Oct 2023 22:19
 Operator : CG\JU
 Sample : 04687-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-1-092923

Quant Time: Oct 04 23:29:03 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)

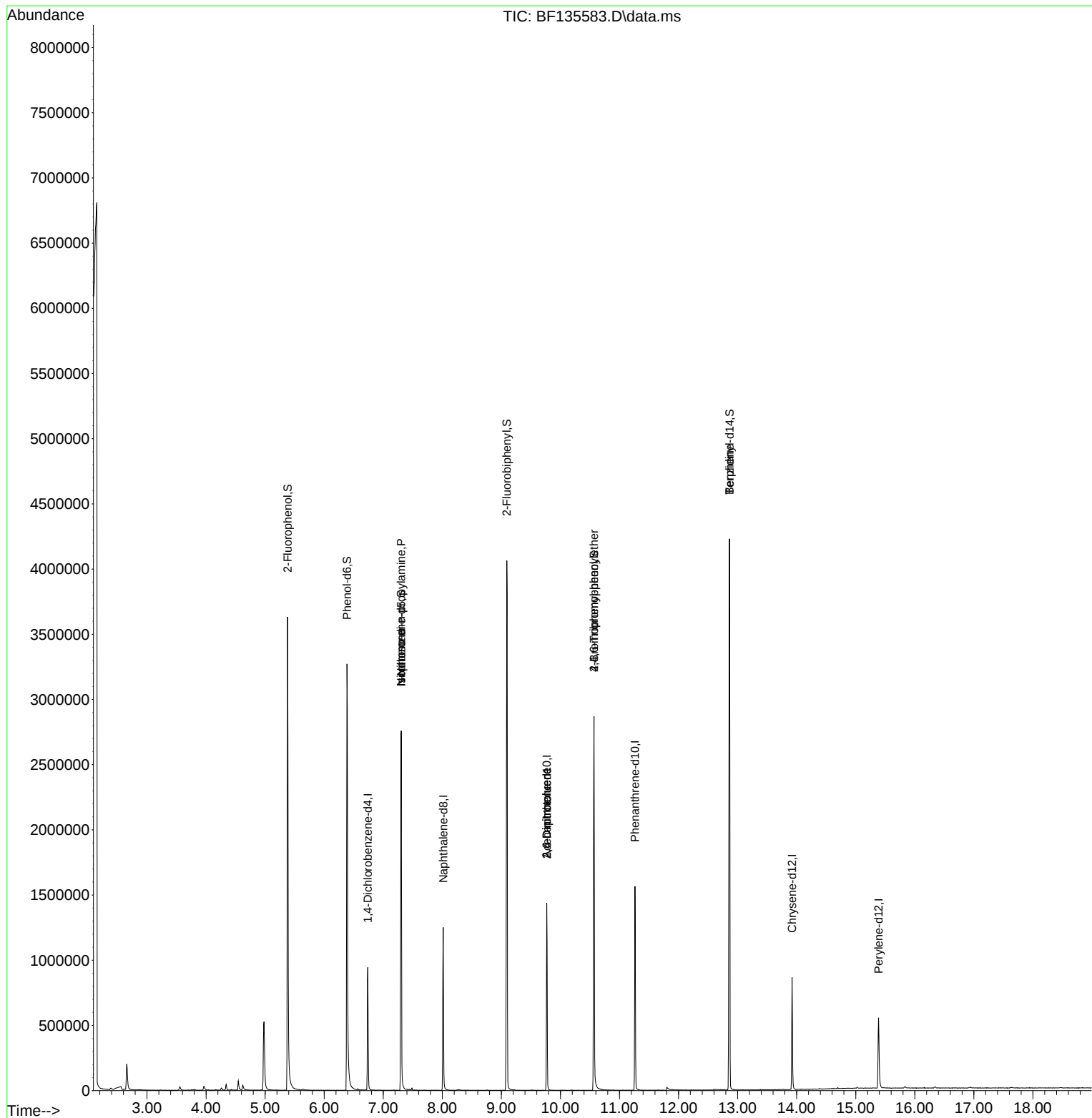
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	145138	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	556658	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	286047	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	557334	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	283375	20.000	ng	0.00
86) Perylene-d12	15.386	264	268422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1062494	119.065	ng	0.01
7) Phenol-d6	6.387	99	1262450	111.259	ng	0.00
23) Nitrobenzene-d5	7.304	82	883443	86.223	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	359937	126.622	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1500738	79.155	ng	0.00
79) Terphenyl-d14	12.863	244	1699832	92.989	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	116395	16.561	ng	# 79
25) Isophorone	7.304	82	883437	46.956	ng	# 65
51) 2,6-Dinitrotoluene	9.769	165	36910	8.712	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	36910	6.959	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	23306	4.205	ng	# 1
77) Benzydine	12.863	184	21577	3.717	ng	# 93

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

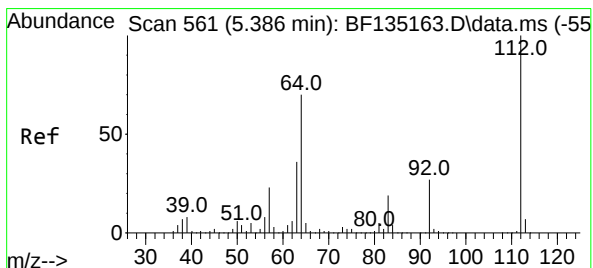
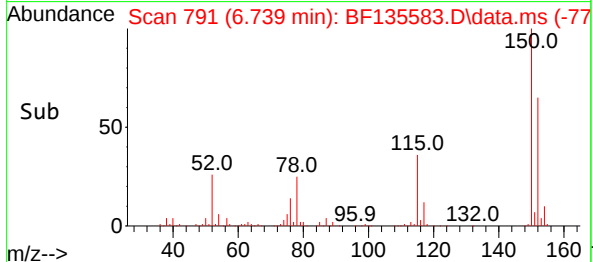
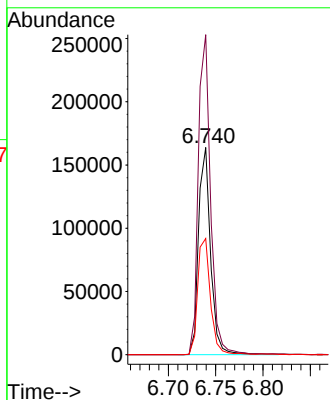
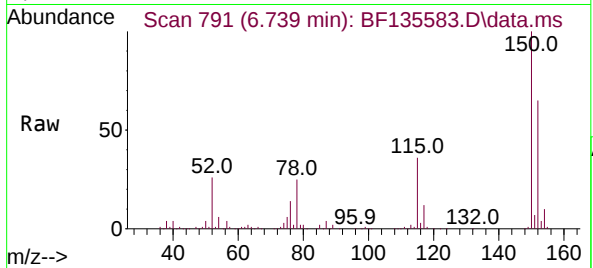




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

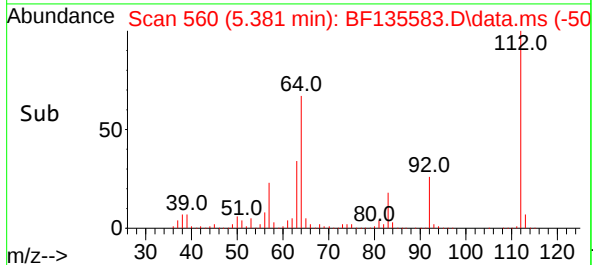
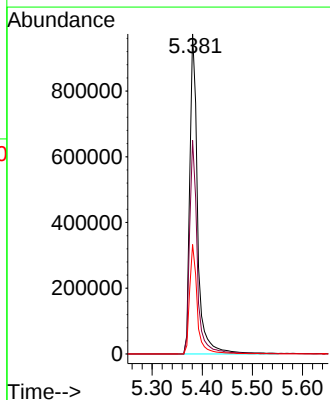
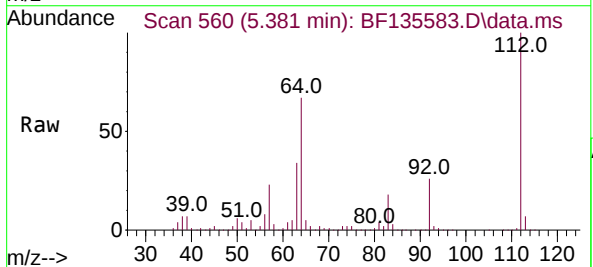
Instrument :
BNA_F
ClientSampleId :
HR-1-092923

Tgt Ion:152 Resp: 145138
Ion Ratio Lower Upper
152 100
150 154.4 127.8 191.6
115 56.0 49.8 74.8



#5
2-Fluorophenol
Concen: 119.065 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

Tgt Ion:112 Resp: 1062494
Ion Ratio Lower Upper
112 100
64 66.7 55.9 83.9
63 34.2 29.0 43.6





#7

Phenol-d6

Concen: 111.259 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135583.D

Acq: 04 Oct 2023 22:19

Instrument :

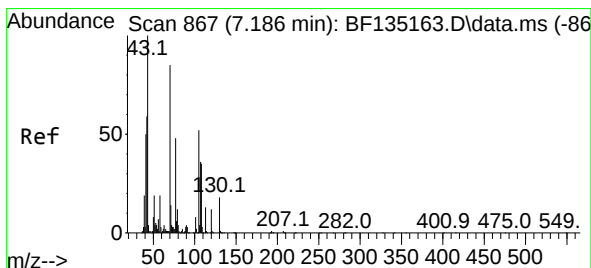
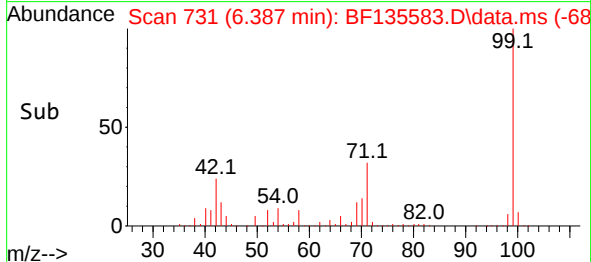
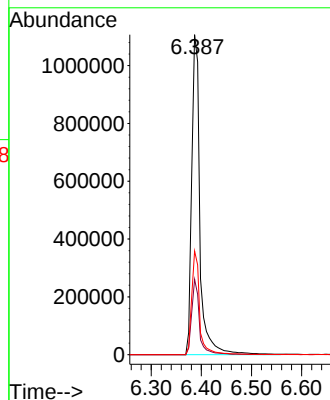
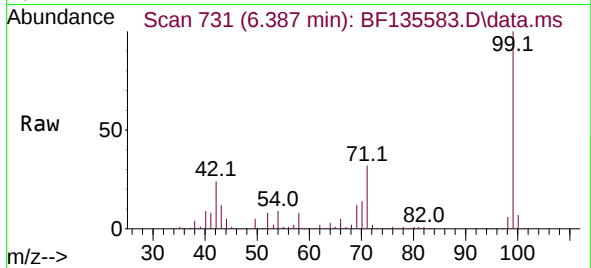
BNA_F

ClientSampleId :

HR-1-092923

Tgt Ion: 99 Resp: 1262450

Ion	Ratio	Lower	Upper
99	100		
42	23.6	17.9	26.9
71	32.4	27.0	40.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.561 ng

RT: 7.304 min Scan# 887

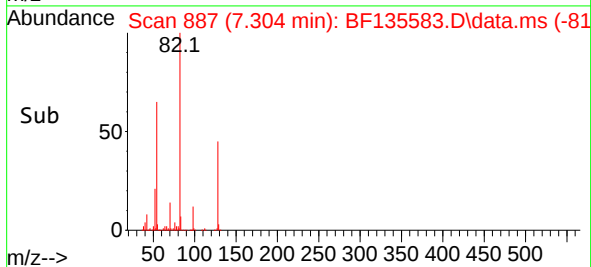
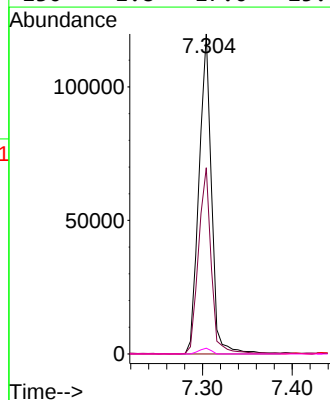
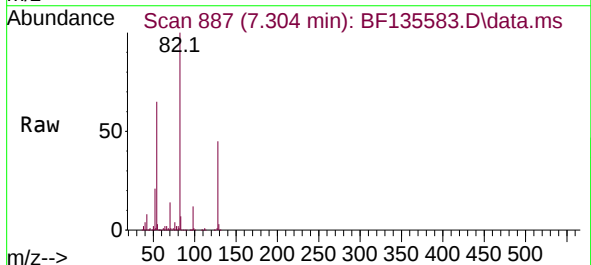
Delta R.T. 0.147 min

Lab File: BF135583.D

Acq: 04 Oct 2023 22:19

Tgt Ion: 70 Resp: 116395

Ion	Ratio	Lower	Upper
70	100		
42	58.2	55.4	83.0
101	0.0	7.7	11.5#
130	1.8	17.0	25.6#

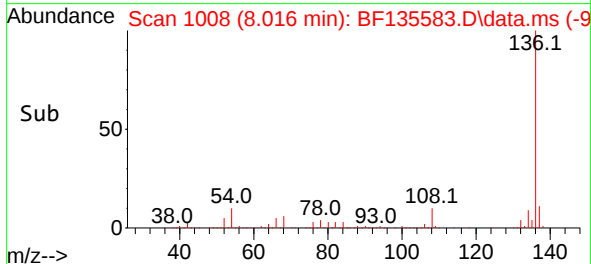
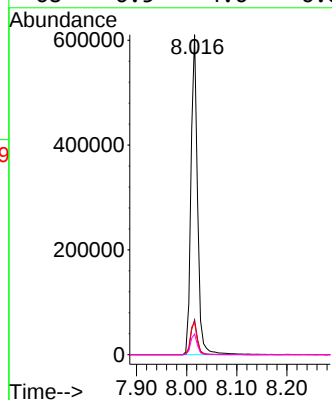
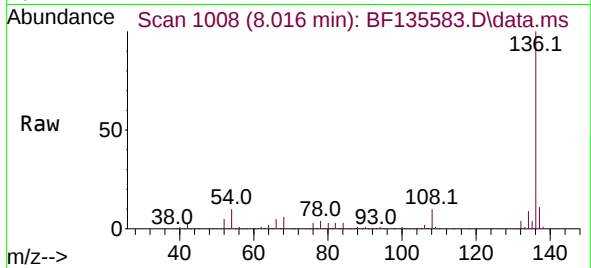




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

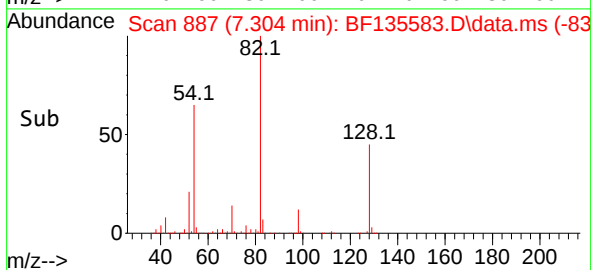
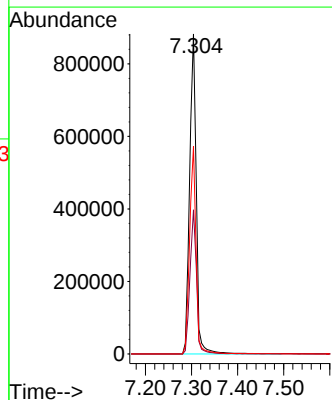
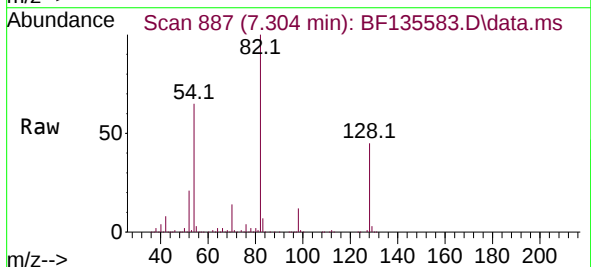
Instrument :
BNA_F
ClientSampleId :
HR-1-092923

Tgt Ion:136 Resp: 556658
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.1 7.7 11.5
68 6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 86.223 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

Tgt Ion: 82 Resp: 883443
Ion Ratio Lower Upper
82 100
128 45.1 35.8 53.6
54 64.8 50.6 76.0

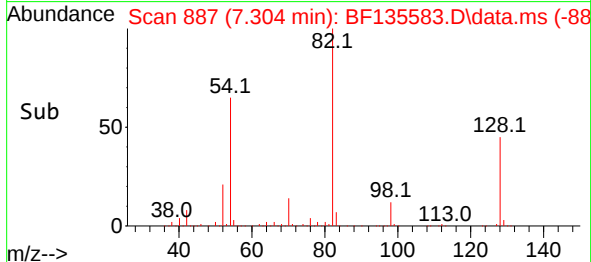
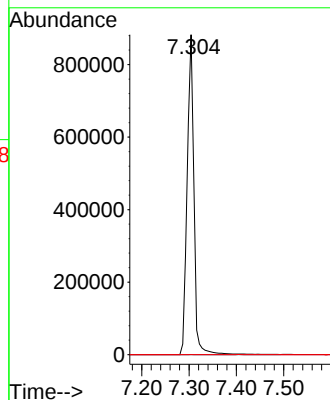
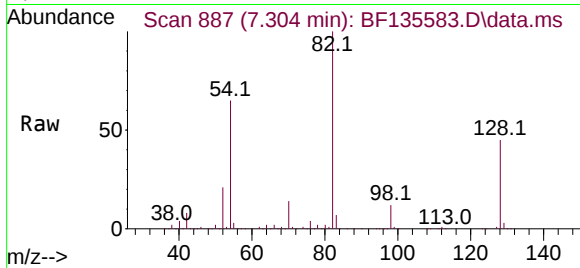




#25
Isophorone
Concen: 46.956 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

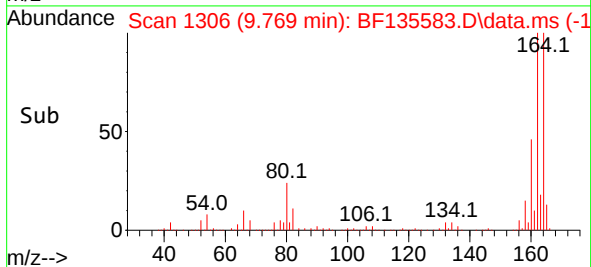
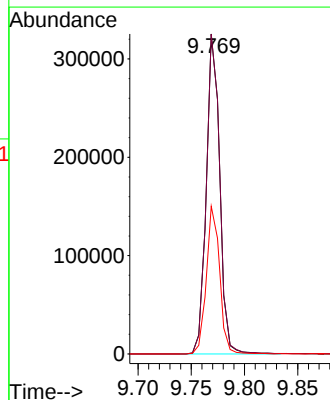
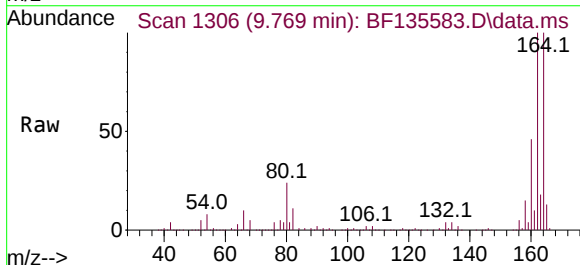
Instrument :
BNA_F
ClientSampleId :
HR-1-092923

Tgt Ion: 82 Resp: 883437
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: BF135583.D
Acq: 04 Oct 2023 22:19

Tgt Ion:164 Resp: 286047
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 46.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 126.622 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135583.D

Acq: 04 Oct 2023 22:19

Instrument :

BNA_F

ClientSampleId :

HR-1-092923

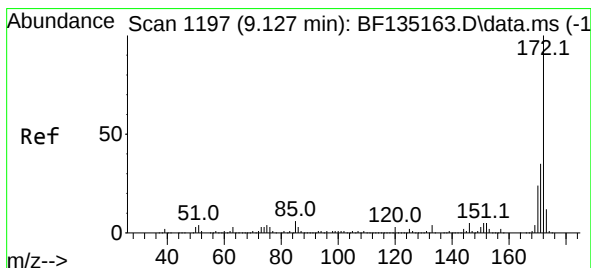
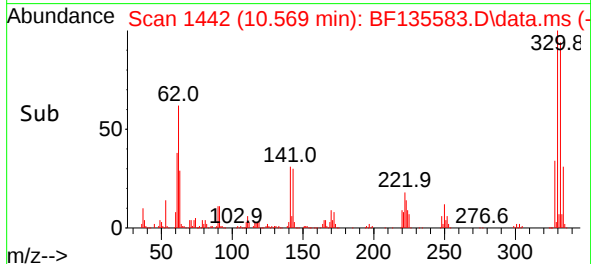
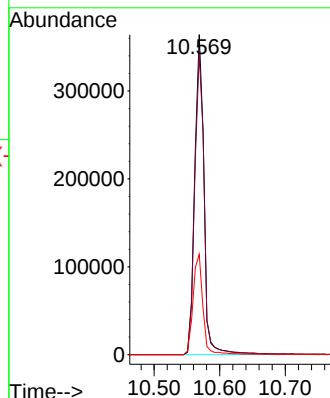
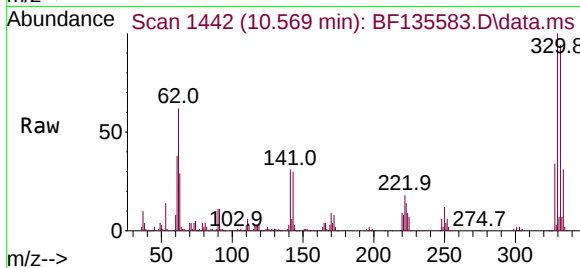
Tgt Ion:330 Resp: 359937

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

141 33.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 79.155 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135583.D

Acq: 04 Oct 2023 22:19

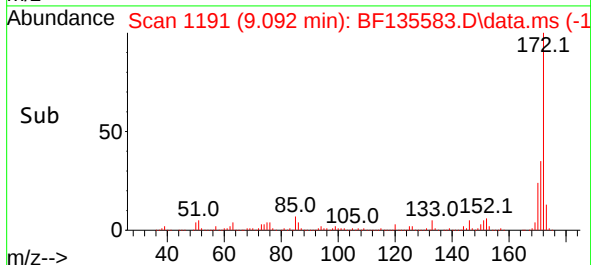
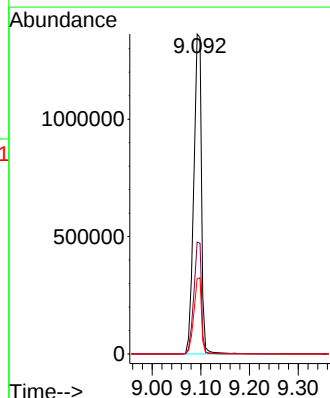
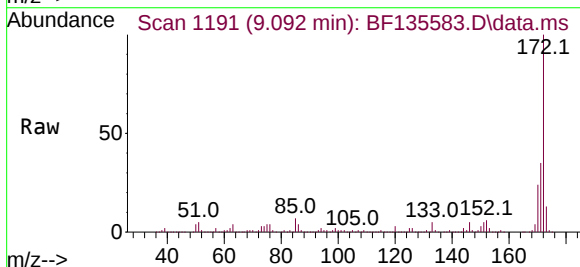
Tgt Ion:172 Resp: 1500738

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.5 19.0 28.4

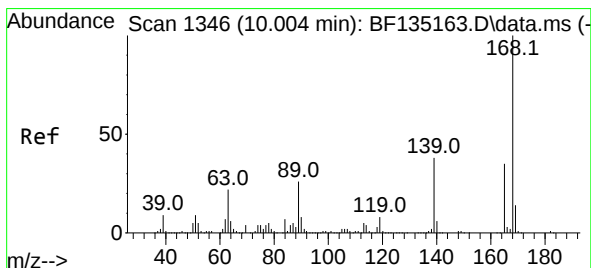
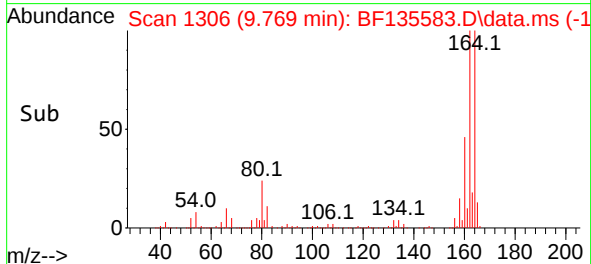
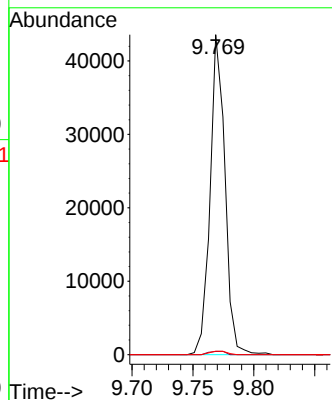
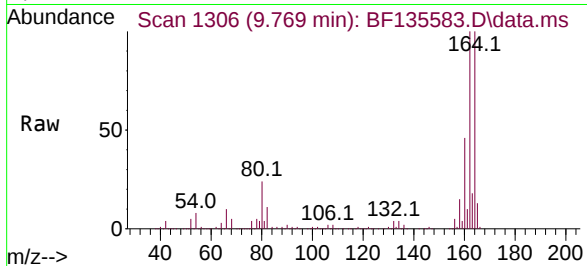




#51
2,6-Dinitrotoluene
Concen: 8.712 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.194 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

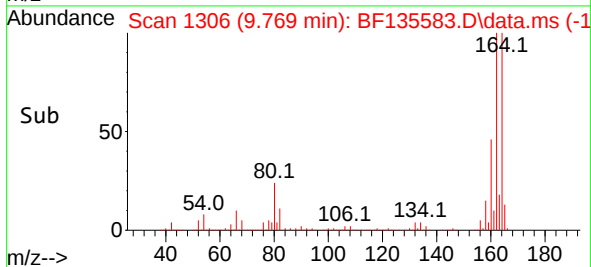
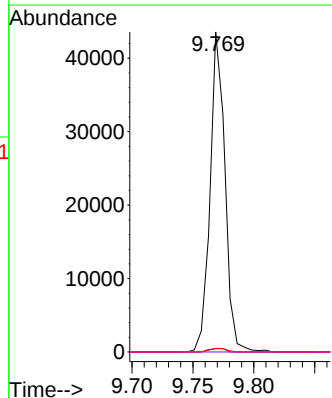
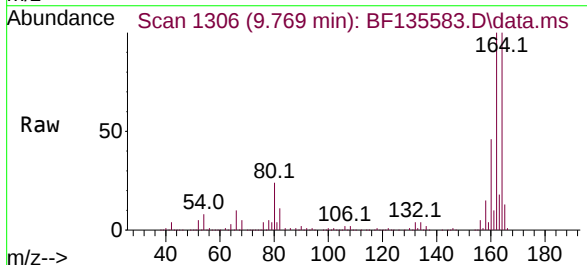
Instrument :
BNA_F
ClientSampleId :
HR-1-092923

Tgt Ion:165 Resp: 36910
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: 6.959 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.218 min
Lab File: BF135583.D
Acq: 04 Oct 2023 22:19

Tgt Ion:165 Resp: 36910
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: BF135583.D

Acq: 04 Oct 2023 22:19

Instrument :

BNA_F

ClientSampleId :

HR-1-092923

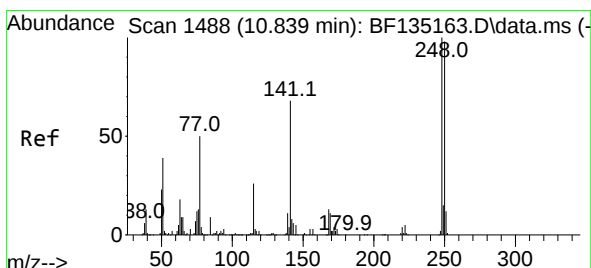
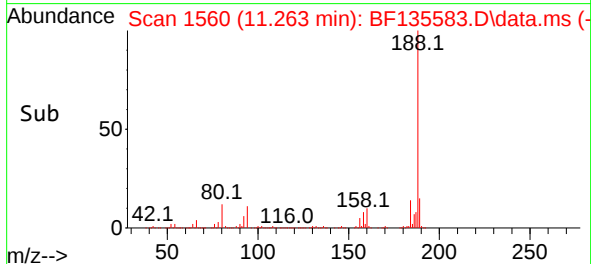
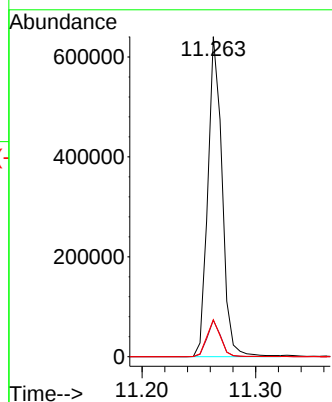
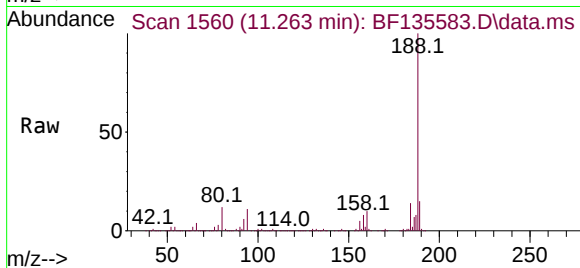
Tgt Ion:188 Resp: 557334

Ion Ratio Lower Upper

188 100

94 11.4 7.0 10.6#

80 11.5 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.205 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135583.D

Acq: 04 Oct 2023 22:19

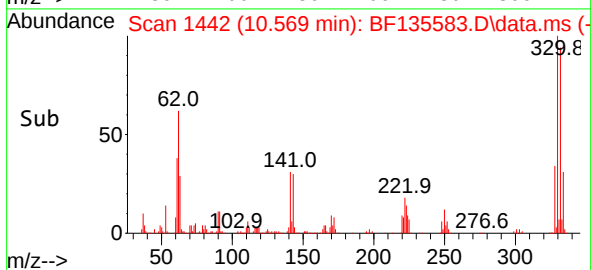
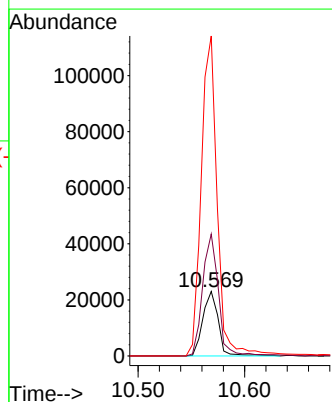
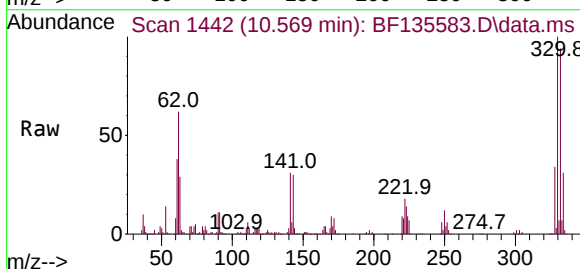
Tgt Ion:248 Resp: 23306

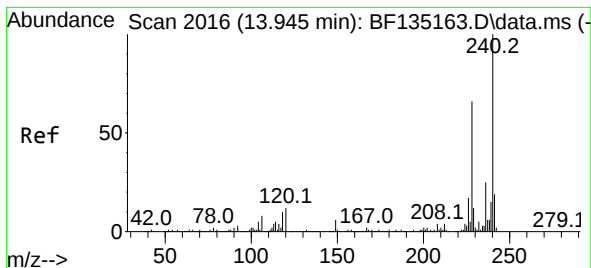
Ion Ratio Lower Upper

248 100

250 189.1 78.6 117.8#

141 496.2 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: BF135583.D

Acq: 04 Oct 2023 22:19

Instrument :

BNA_F

ClientSampleId :

HR-1-092923

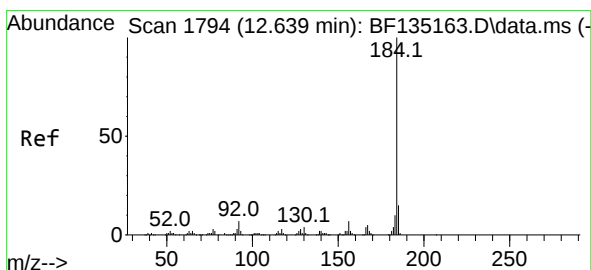
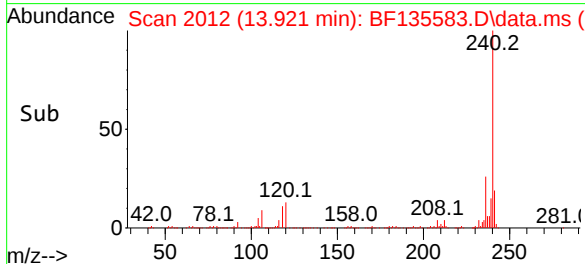
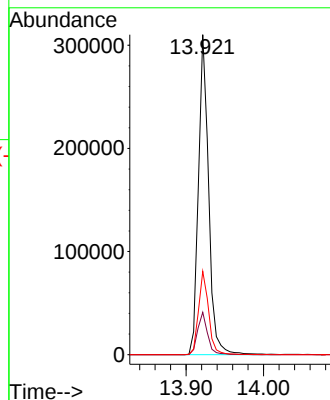
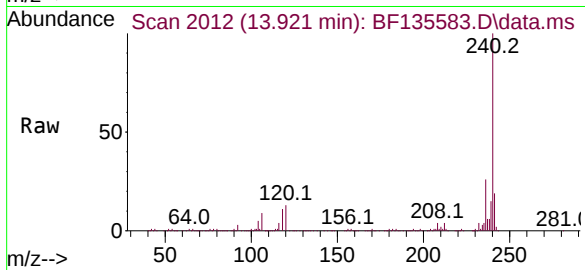
Tgt Ion:240 Resp: 283375

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.2

236 26.1 19.8 29.8



#77

Benzidine

Concen: 3.717 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135583.D

Acq: 04 Oct 2023 22:19

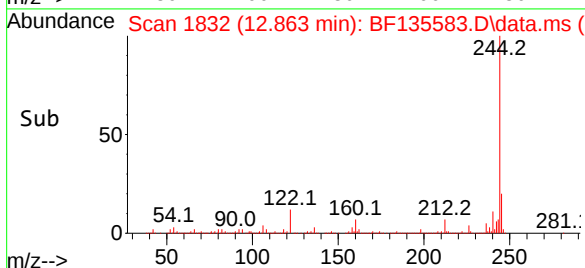
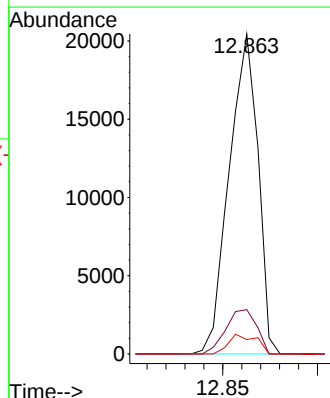
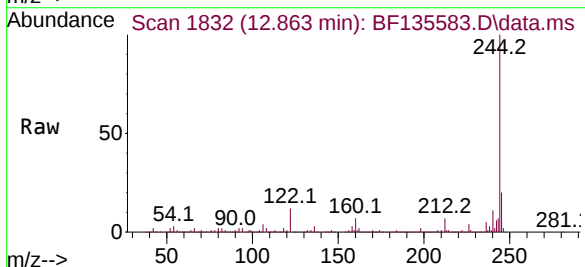
Tgt Ion:184 Resp: 21577

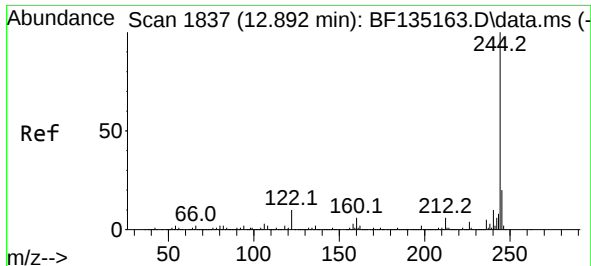
Ion Ratio Lower Upper

184 100

185 13.8 11.7 17.5

183 4.5 8.2 12.4#

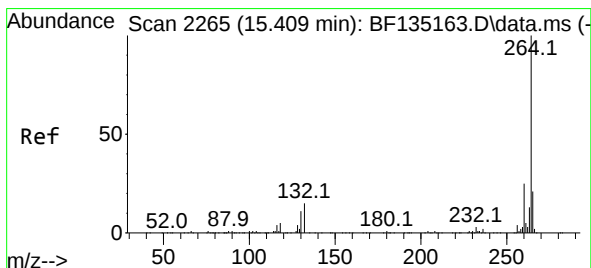
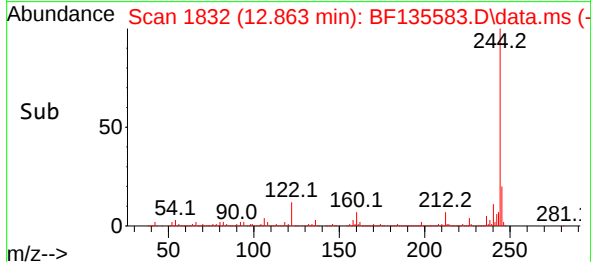
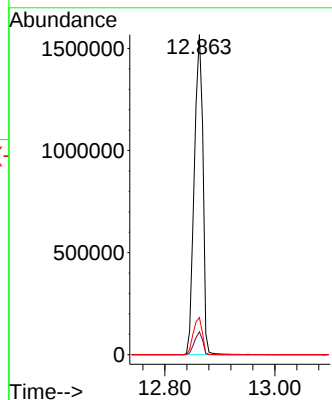
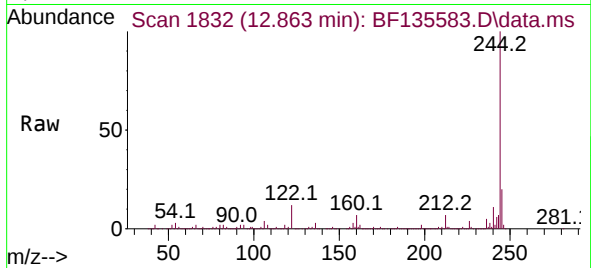




#79
 Terphenyl-d14
 Concen: 92.989 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF135583.D
 Acq: 04 Oct 2023 22:19

Instrument :
 BNA_F
 ClientSampleId :
 HR-1-092923

Tgt Ion:244 Resp: 1699832
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.1 7.7
 122 11.6 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: BF135583.D
 Acq: 04 Oct 2023 22:19

Tgt Ion:264 Resp: 268422
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.8 29.6
 265 20.8 17.0 25.4

