

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135631.D
 Acq On : 06 Oct 2023 16:16
 Operator : CG\JU
 Sample : 04714-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 19:55:57 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)

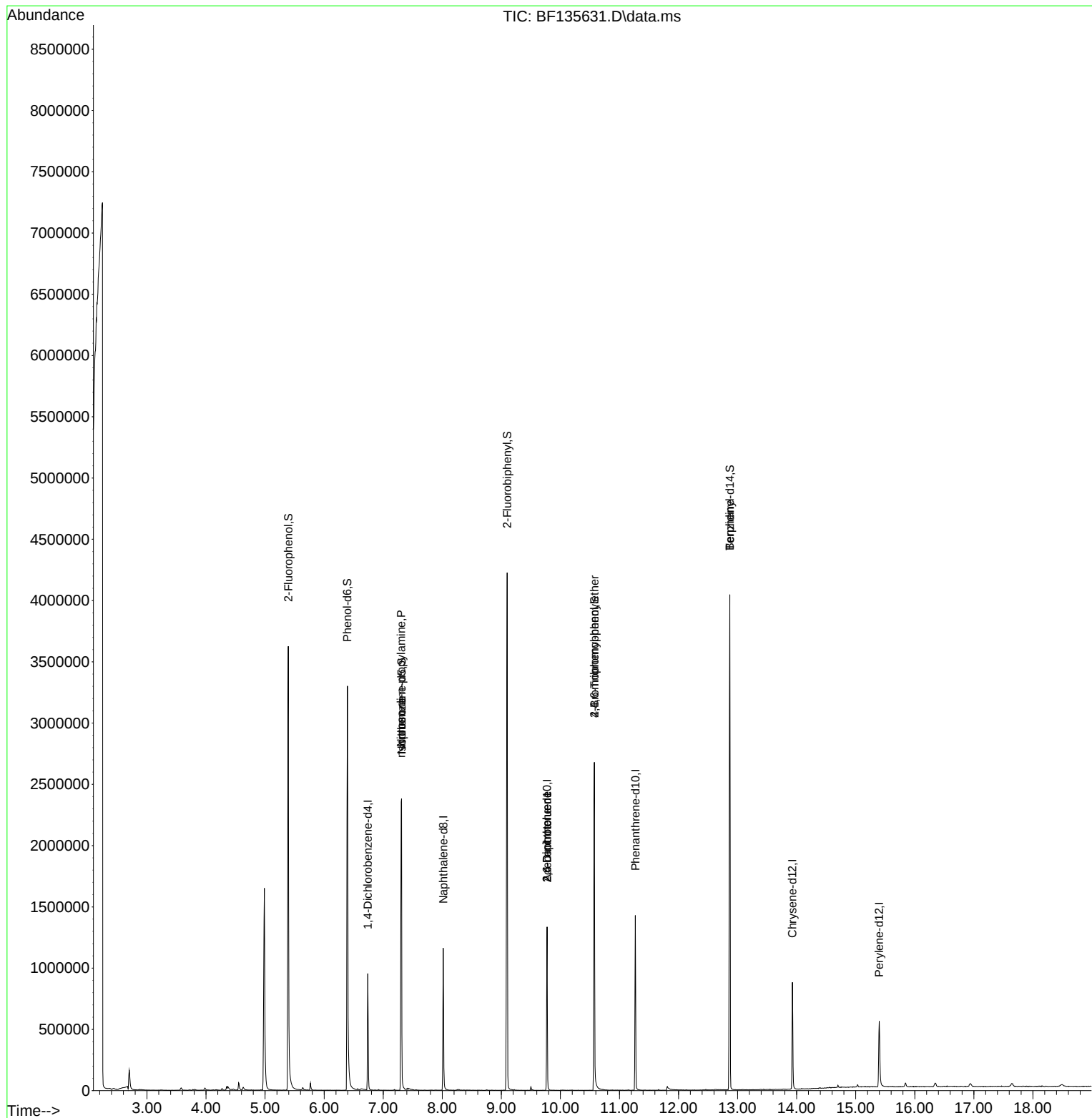
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	132113	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	507165	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	259594	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	519557	20.000	ng	0.00
76) Chrysene-d12	13.927	240	300230	20.000	ng	0.00
86) Perylene-d12	15.398	264	272238	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1044061	128.535	ng	0.02
7) Phenol-d6	6.393	99	1231497	119.232	ng	0.00
23) Nitrobenzene-d5	7.310	82	874329	93.661	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	341116	132.229	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1476789	85.829	ng	0.00
79) Terphenyl-d14	12.869	244	1560166	80.557	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	116427	18.199	ng	Qvalue 81
25) Isophorone	7.310	82	874324	51.006	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	33213	8.638	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	33213	6.900	ng	# 18
67) 4-Bromophenyl-phenylether	10.575	248	21427	4.147	ng	# 1
77) Benzidine	12.869	184	19675	3.199	ng	# 95

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

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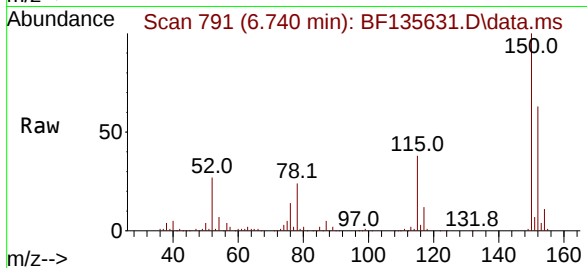
Quant Time: Oct 06 19:55:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration



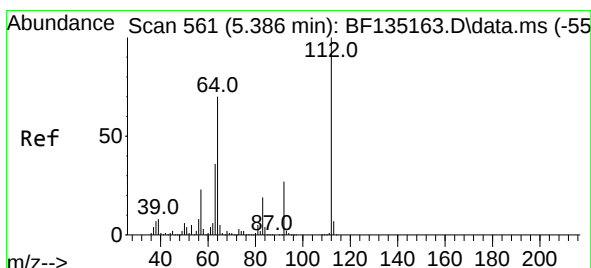
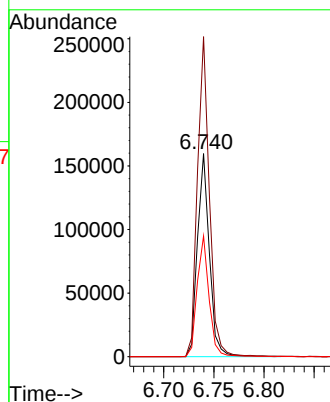
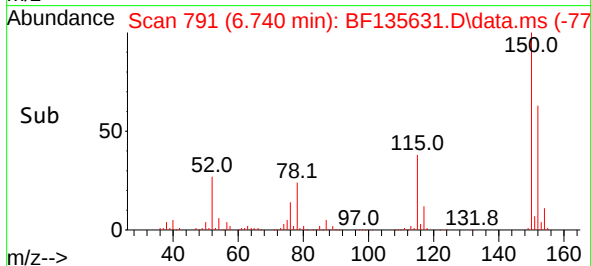


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Instrument :
BNA_F
ClientSampleId :

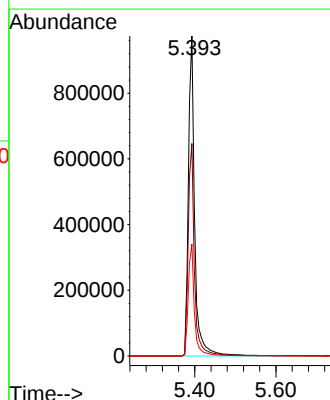
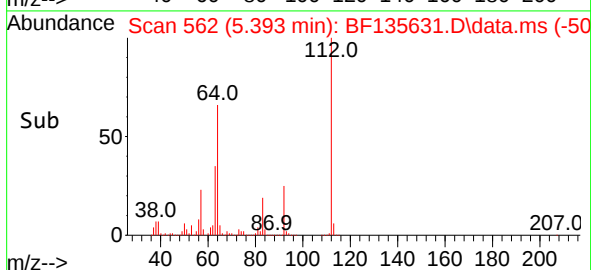
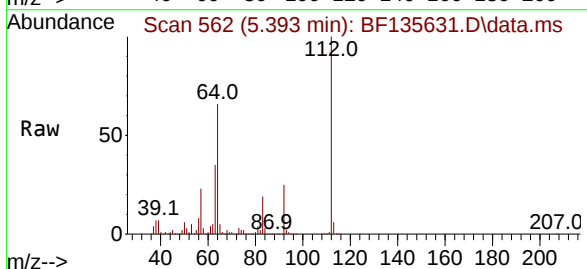


Tgt Ion:152 Resp: 132113
Ion Ratio Lower Upper
152 100
150 157.7 127.8 191.6
115 59.5 49.8 74.8



#5
2-Fluorophenol
Concen: 128.535 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.024 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Tgt Ion:112 Resp: 1044061
Ion Ratio Lower Upper
112 100
64 66.4 55.9 83.9
63 34.9 29.0 43.6

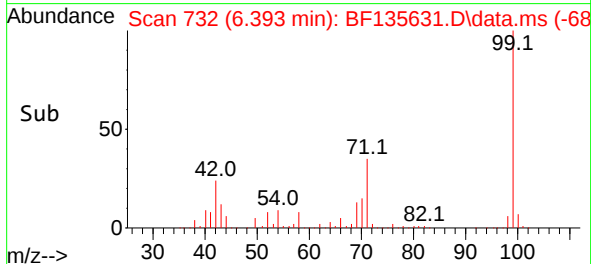
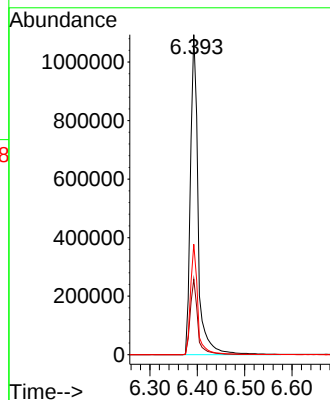
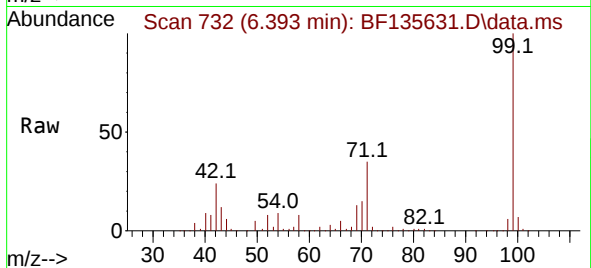




#7
Phenol-d6
Concen: 119.232 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

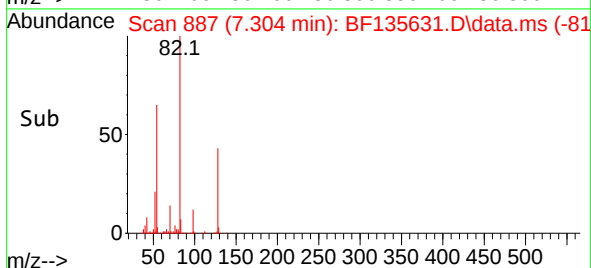
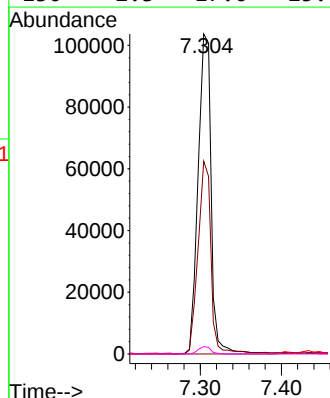
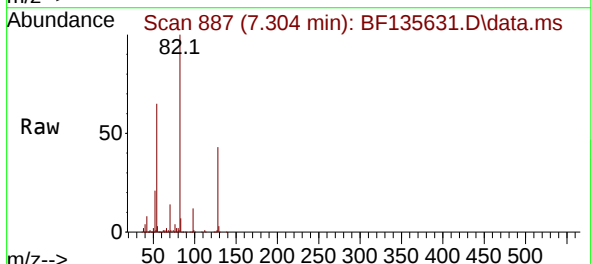
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1231497
Ion Ratio Lower Upper
99 100
42 23.6 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.199 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

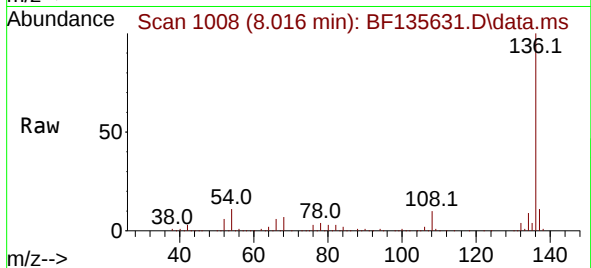
Tgt Ion: 70 Resp: 116427
Ion Ratio Lower Upper
70 100
42 60.3 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#



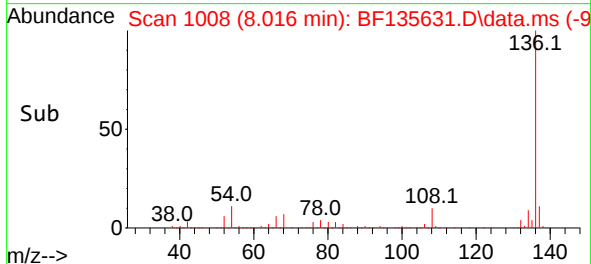
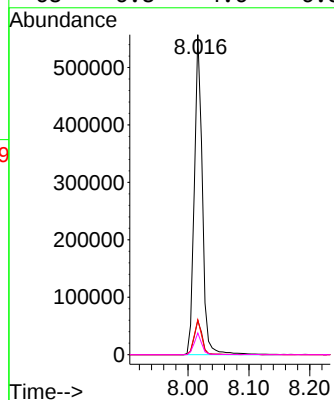


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Instrument :
BNA_F
ClientSampleId :

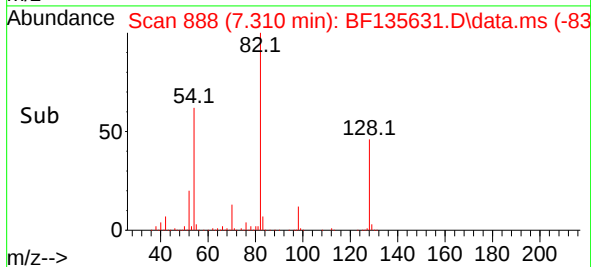
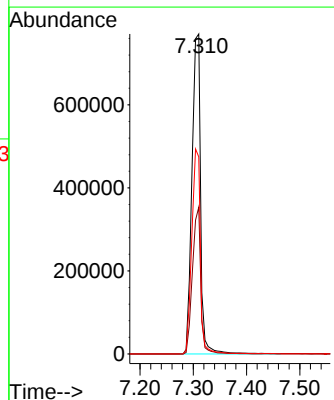
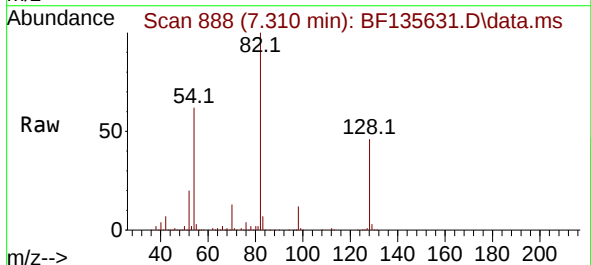


Tgt Ion:136 Resp: 507165
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 11.0 7.7 11.5
68 6.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 93.661 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Tgt Ion: 82 Resp: 874329
Ion Ratio Lower Upper
82 100
128 45.9 35.8 53.6
54 61.6 50.6 76.0

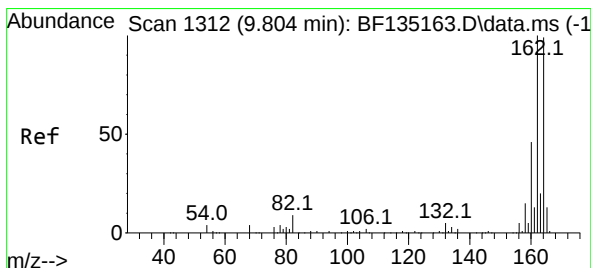
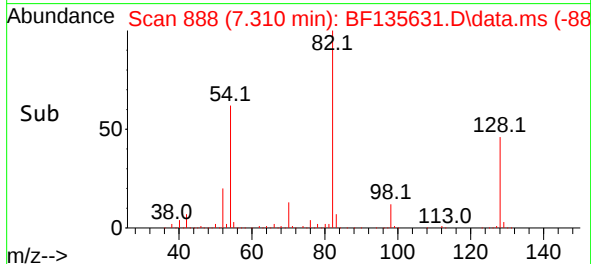
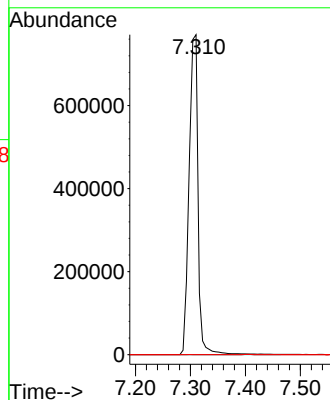
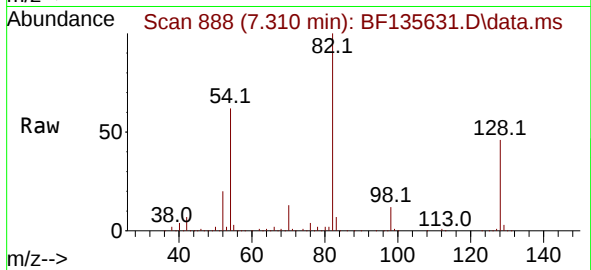




#25
Isophorone
Concen: 51.006 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

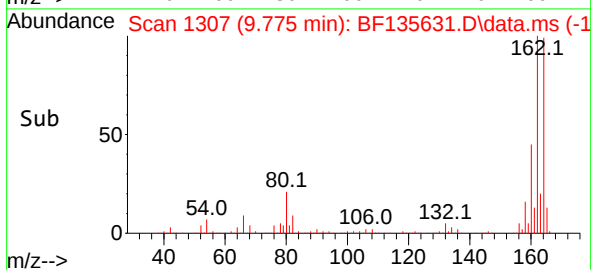
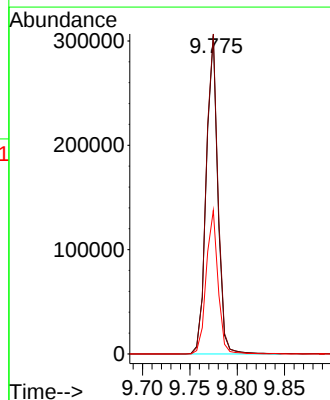
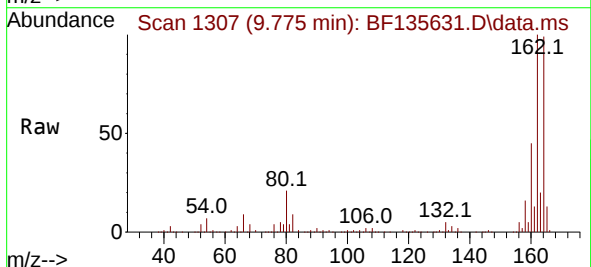
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 874324
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: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

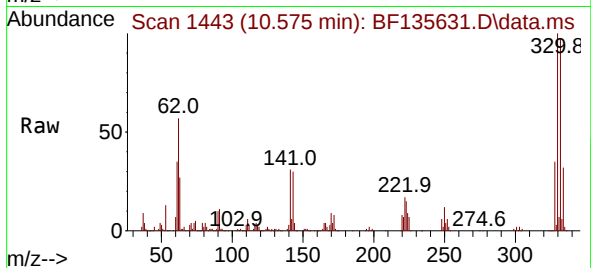
Tgt Ion:164 Resp: 259594
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 45.1 37.0 55.4



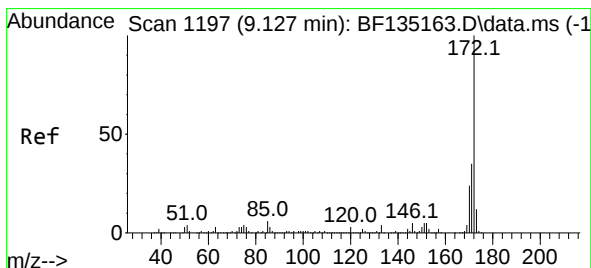
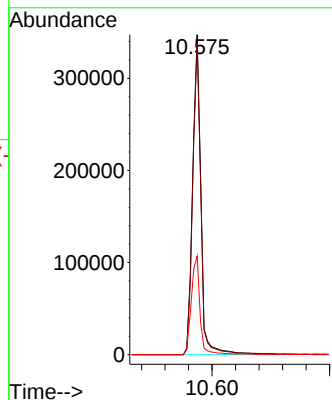
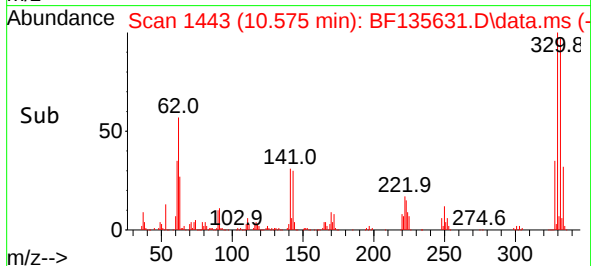


#42
2,4,6-Tribromophenol
Concen: 132.229 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Instrument :
BNA_F
ClientSampleId :

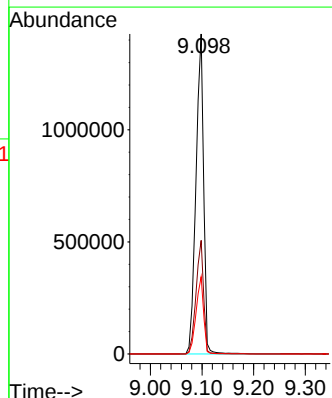
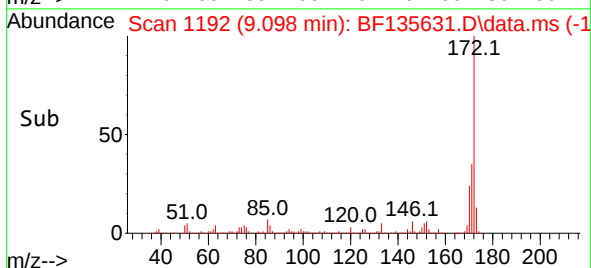
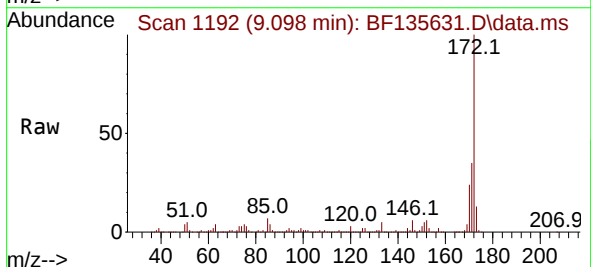


Tgt Ion:330 Resp: 341116
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 85.829 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Tgt Ion:172 Resp: 1476789
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 24.1 19.0 28.4

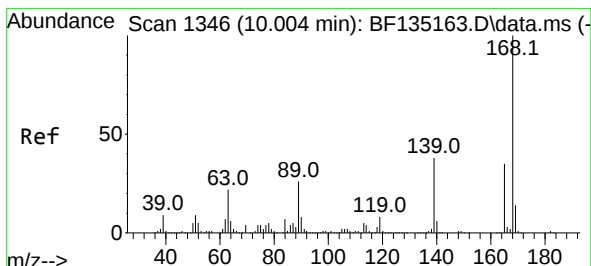
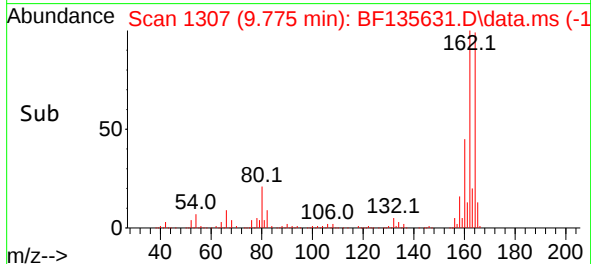
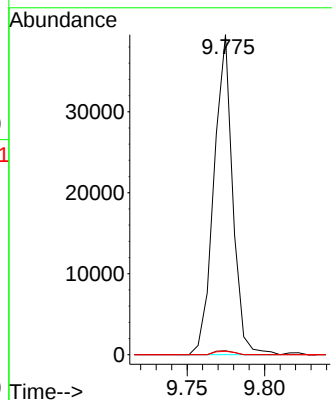
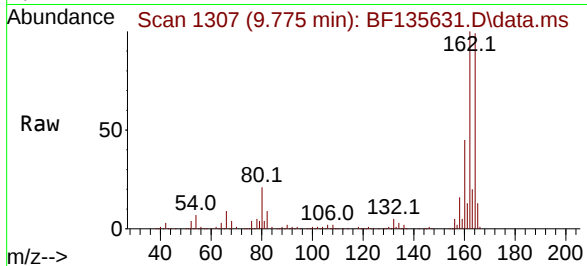




#51
2,6-Dinitrotoluene
Concen: 8.638 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

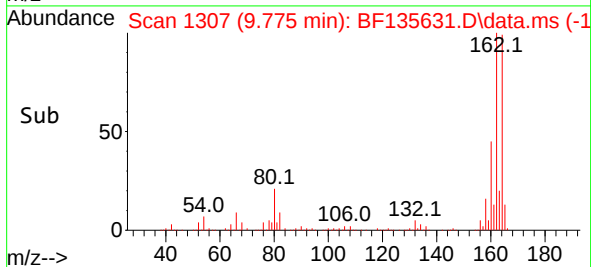
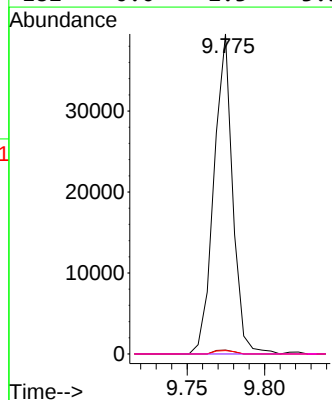
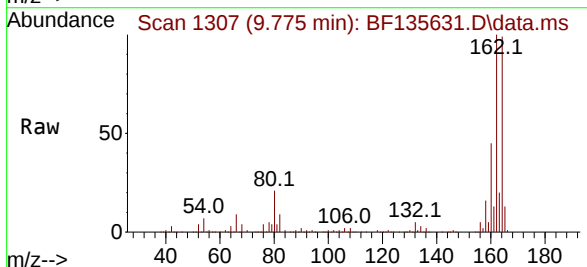
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 33213
Ion Ratio Lower Upper
165 100
63 1.3 59.4 89.2#
89 1.0 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.900 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF135631.D
Acq: 06 Oct 2023 16:16

Tgt Ion:165 Resp: 33213
Ion Ratio Lower Upper
165 100
63 1.3 50.1 75.1#
89 1.0 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.000 min

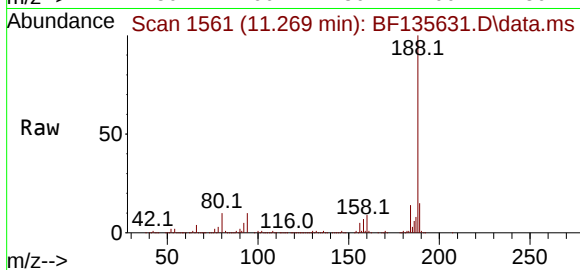
Lab File: BF135631.D

Acq: 06 Oct 2023 16:16

Instrument :

BNA_F

ClientSampleId :



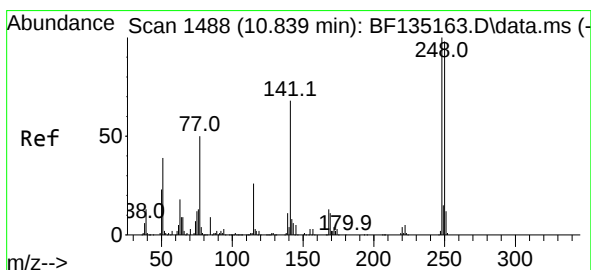
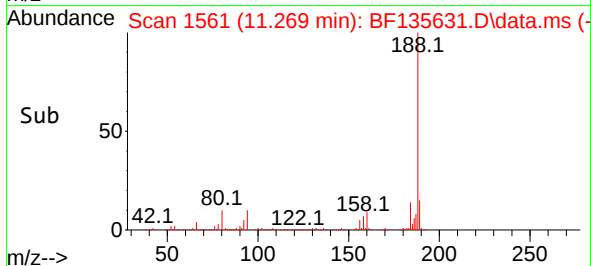
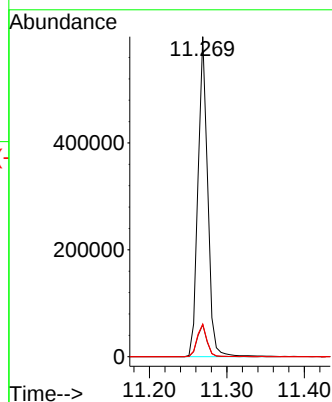
Tgt Ion:188 Resp: 519557

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

80 10.2 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.147 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.235 min

Lab File: BF135631.D

Acq: 06 Oct 2023 16:16

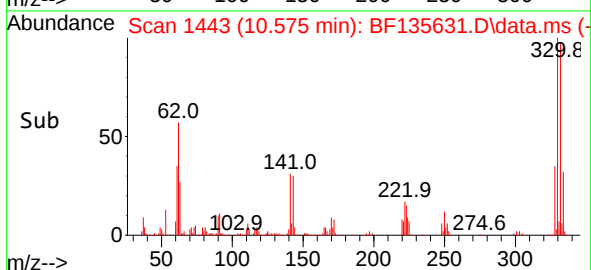
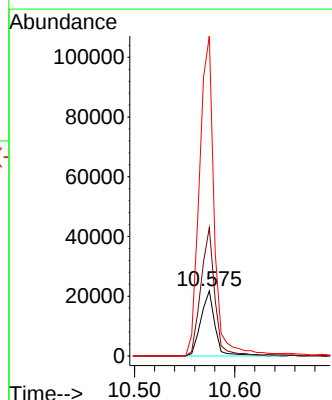
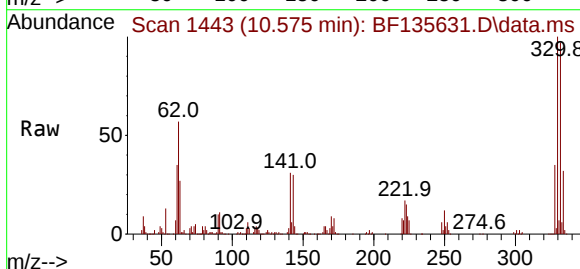
Tgt Ion:248 Resp: 21427

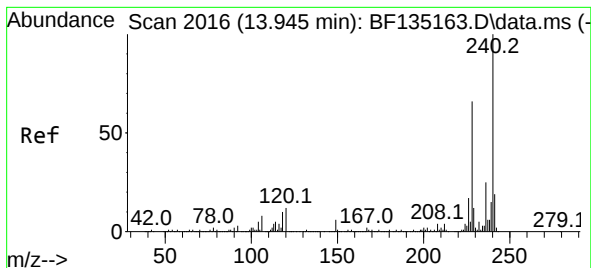
Ion Ratio Lower Upper

248 100

250 197.1 78.6 117.8#

141 491.3 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135631.D

Acq: 06 Oct 2023 16:16

Instrument :

BNA_F

ClientSampleId :

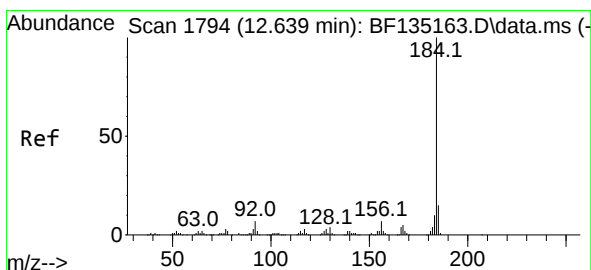
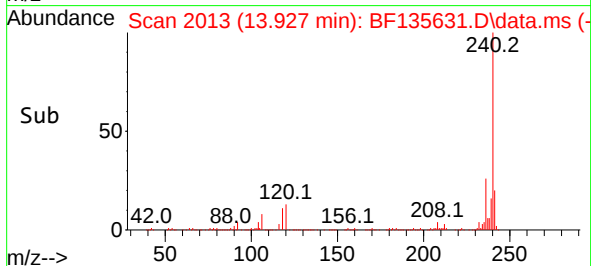
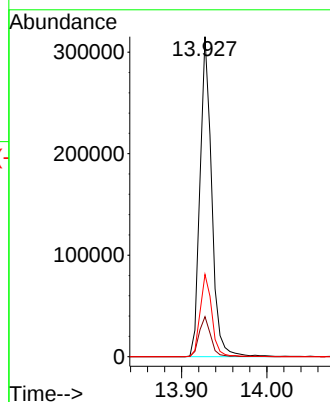
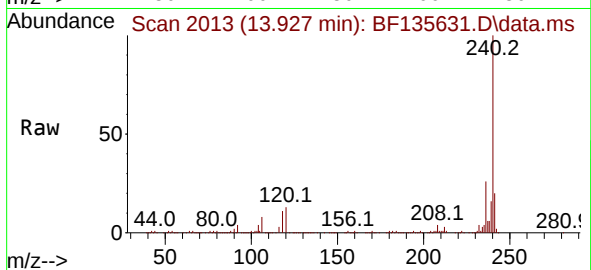
Tgt Ion:240 Resp: 300230

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.2

236 25.7 19.8 29.8



#77

Benzidine

Concen: 3.199 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.253 min

Lab File: BF135631.D

Acq: 06 Oct 2023 16:16

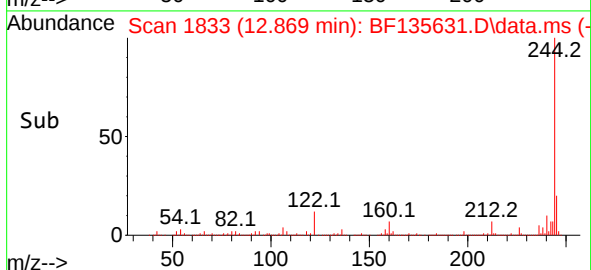
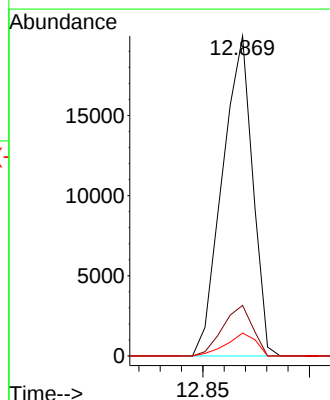
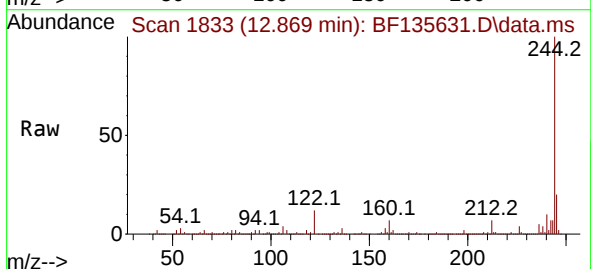
Tgt Ion:184 Resp: 19675

Ion Ratio Lower Upper

184 100

185 15.8 11.7 17.5

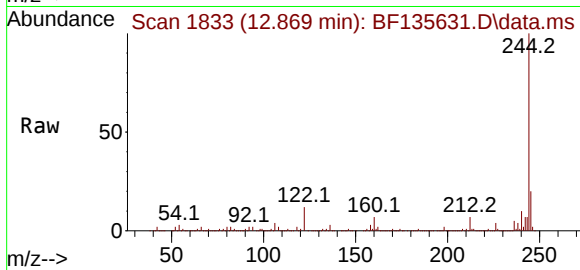
183 7.2 8.2 12.4#



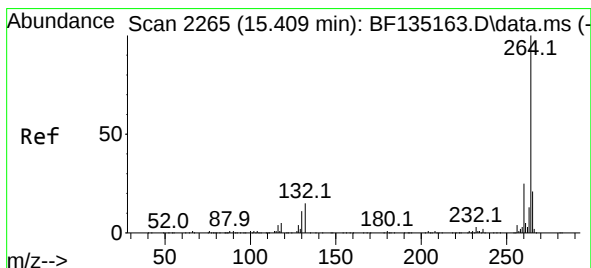
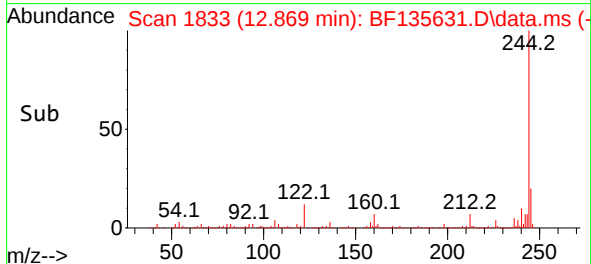
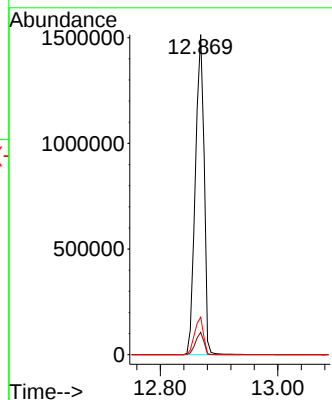


#79
 Terphenyl-d14
 Concen: 80.557 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. 0.006 min
 Lab File: BF135631.D
 Acq: 06 Oct 2023 16:16

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 1560166
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 11.7 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2263
 Delta R.T. 0.012 min
 Lab File: BF135631.D
 Acq: 06 Oct 2023 16:16

Tgt Ion:264 Resp: 272238
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.8 29.6
 265 20.7 17.0 25.4

