

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF138993.D
 Acq On : 14 Aug 2024 14:38
 Operator : RC/JU
 Sample : P3512-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 931-K1-SD-0.5-1.0-080724

Quant Time: Aug 14 15:00:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

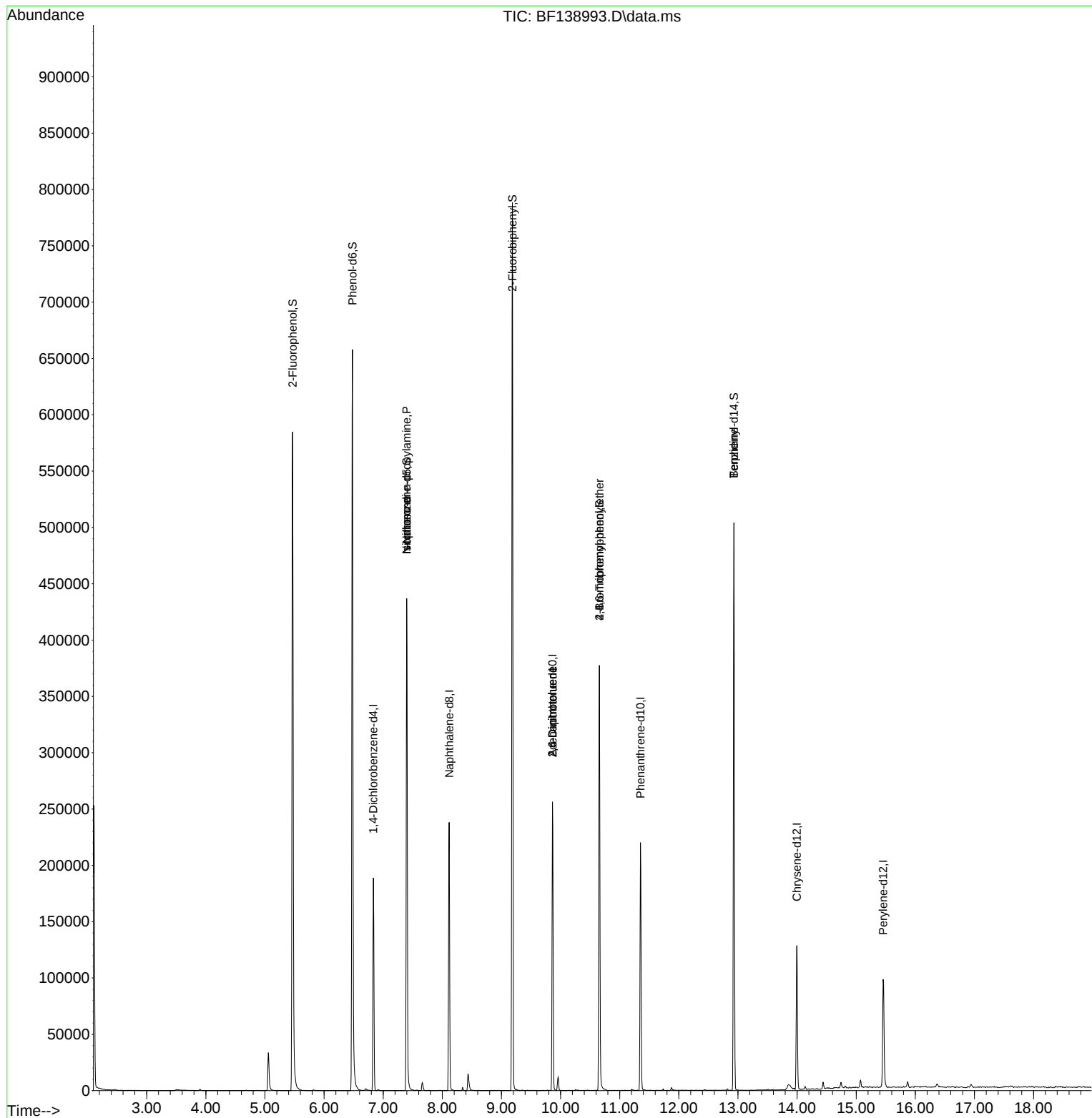
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	34981	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	141093	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	74684	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	114755	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	65176	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	58355	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	202763	89.476	ng	0.00
7) Phenol-d6	6.481	99	276967	91.033	ng	0.00
23) Nitrobenzene-d5	7.398	82	183136	63.460	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	52812	86.328	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	318352	64.046	ng	-0.02
79) Terphenyl-d14	12.933	244	226105	58.083	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	24527	13.347	ng	# 80
25) Isophorone	7.398	82	183135	37.164	ng	# 66
51) 2,6-Dinitrotoluene	9.863	165	9085	8.430	ng	# 19
57) 2,4-Dinitrotoluene	9.863	165	9085	6.607	ng	# 16
67) 4-Bromophenyl-phenylether	10.657	248	4015	3.232	ng	# 1
77) Benzidine	12.933	184	3581	2.297	ng	# 90

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

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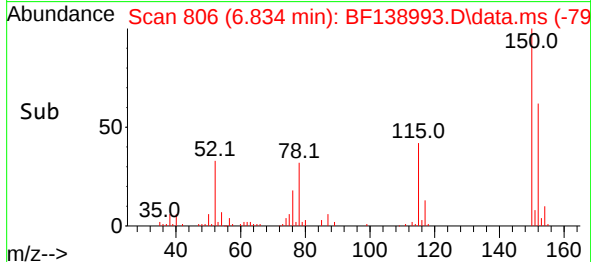
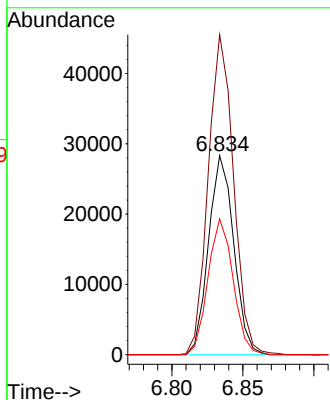
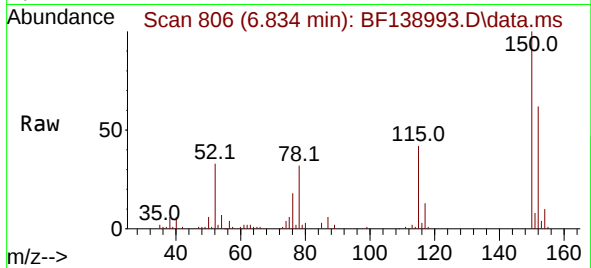




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

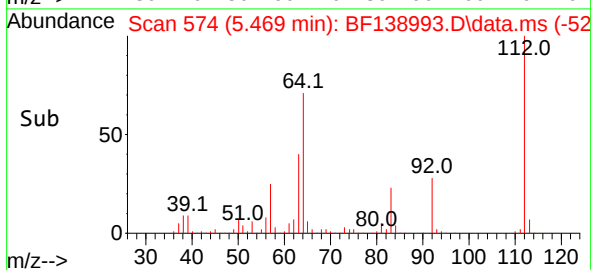
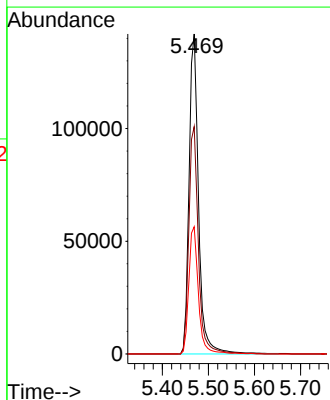
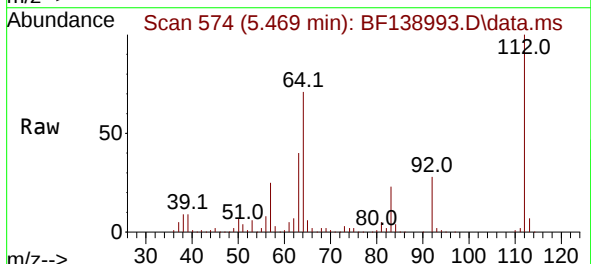
Instrument :
BNA_F
ClientSampleId :
931-K1-SD-0.5-1.0-080724

Tgt Ion:152 Resp: 34981
Ion Ratio Lower Upper
152 100
150 160.8 126.0 189.0
115 68.3 51.7 77.5



#5
2-Fluorophenol
Concen: 89.476 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

Tgt Ion:112 Resp: 202763
Ion Ratio Lower Upper
112 100
64 71.1 54.2 81.4
63 39.7 28.7 43.1

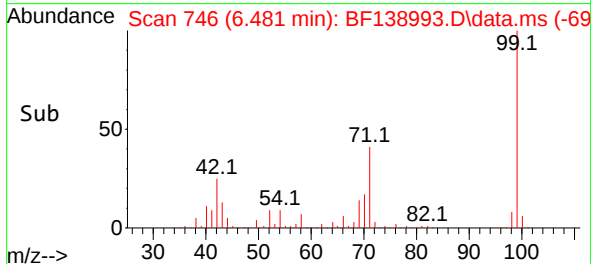
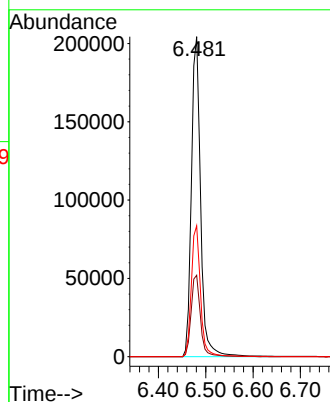
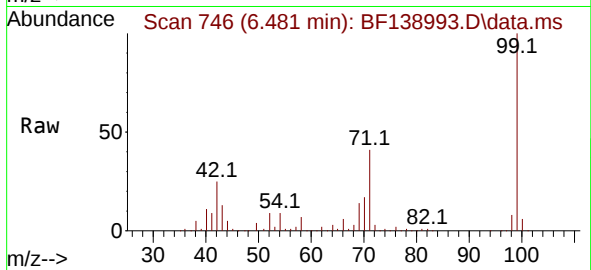




#7
Phenol-d6
Concen: 91.033 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

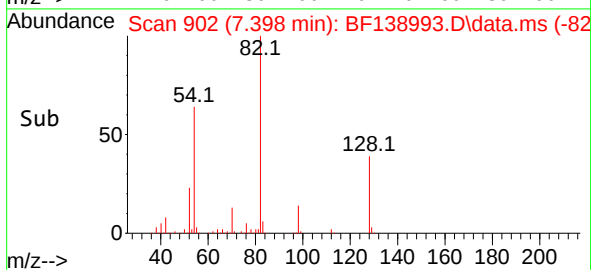
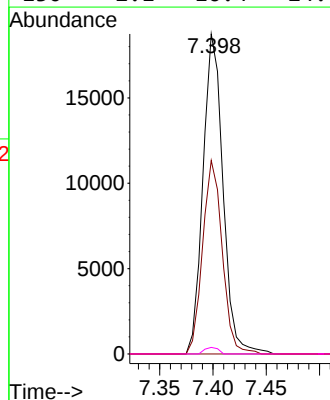
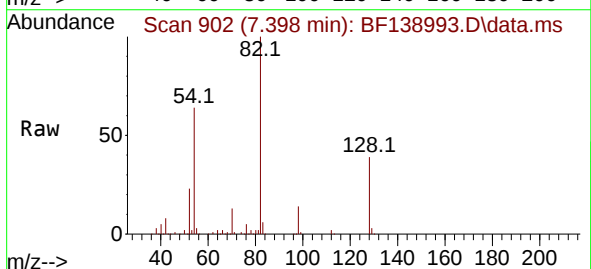
Instrument :
BNA_F
ClientSampleId :
931-K1-SD-0.5-1.0-080724

Tgt Ion: 99 Resp: 276967
Ion Ratio Lower Upper
99 100
42 25.5 17.4 26.0
71 40.9 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.347 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

Tgt Ion: 70 Resp: 24527
Ion Ratio Lower Upper
70 100
42 60.5 57.4 86.0
101 0.0 7.5 11.3#
130 2.1 16.4 24.6#

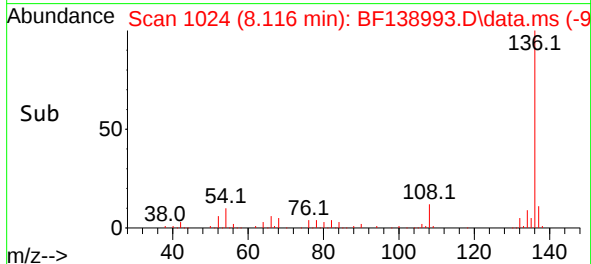
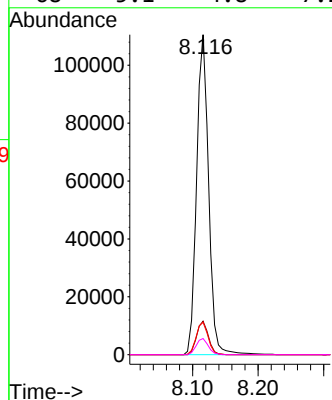
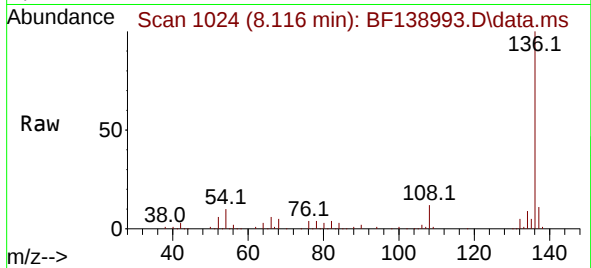




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

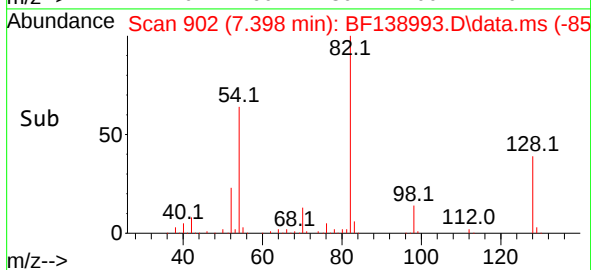
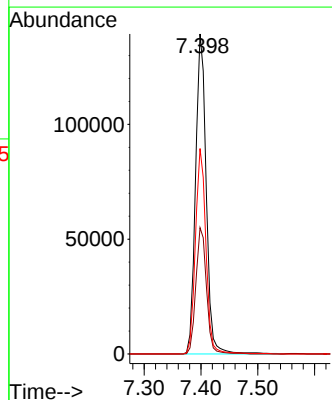
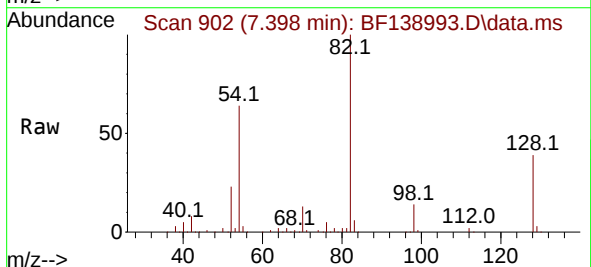
Instrument :
BNA_F
ClientSampleId :
931-K1-SD-0.5-1.0-080724

Tgt Ion:	136	Resp:	141093
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.1	8.6	12.8
68	5.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 63.460 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

Tgt Ion:	82	Resp:	183136
Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.8	49.2
54	64.2	48.3	72.5

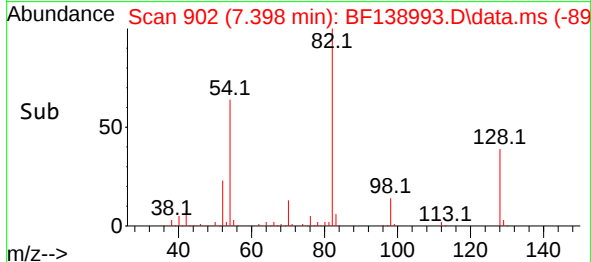
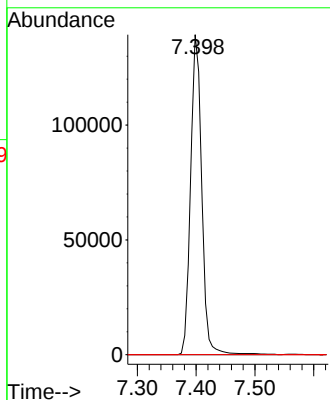
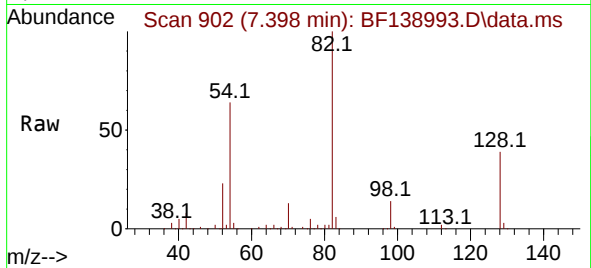




#25
Isophorone
Concen: 37.164 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

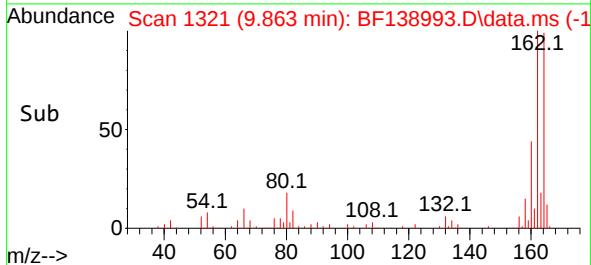
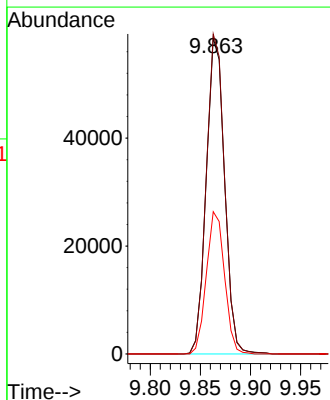
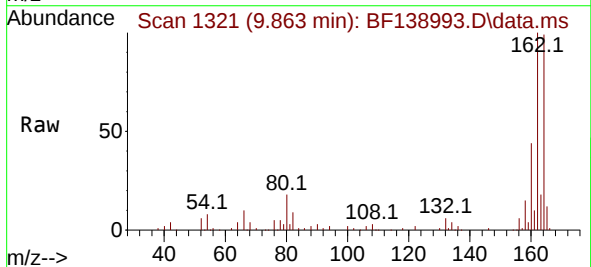
Instrument :
BNA_F
ClientSampleId :
931-K1-SD-0.5-1.0-080724

Tgt Ion: 82 Resp: 183135
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

Tgt Ion:164 Resp: 74684
Ion Ratio Lower Upper
164 100
162 101.3 79.4 119.0
160 45.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 86.328 ng

RT: 10.657 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF138993.D

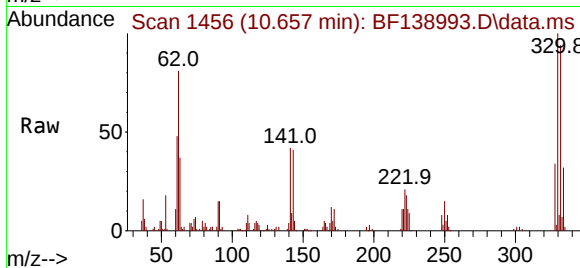
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Instrument :

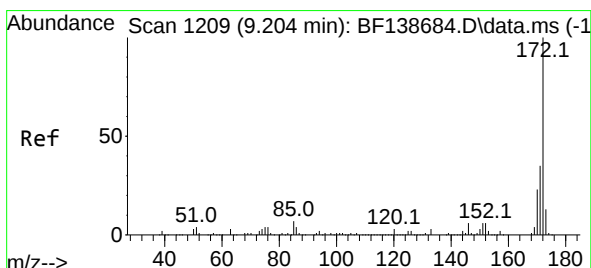
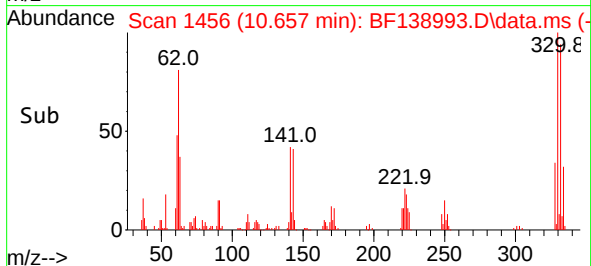
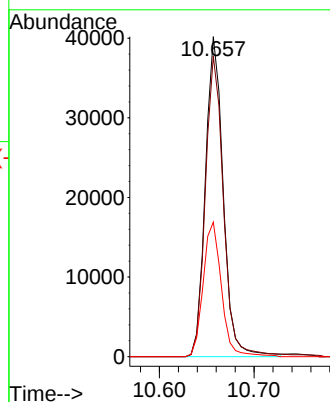
BNA_F

ClientSampleId :

931-K1-SD-0.5-1.0-080724



Tgt Ion:	330	Resp:	52812
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.4	114.6
141	43.0	31.1	46.7



#45

2-Fluorobiphenyl

Concen: 64.046 ng

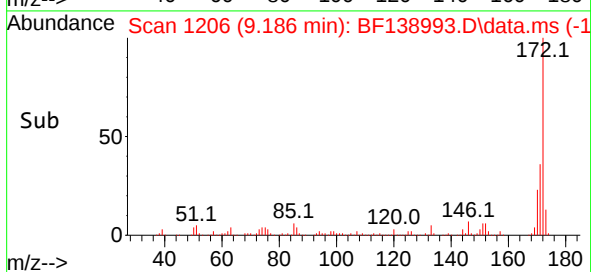
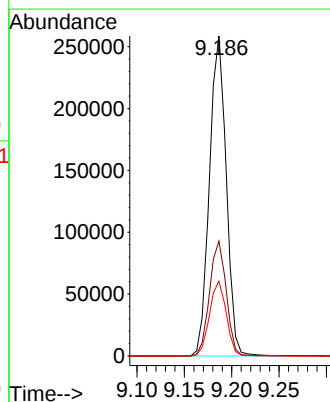
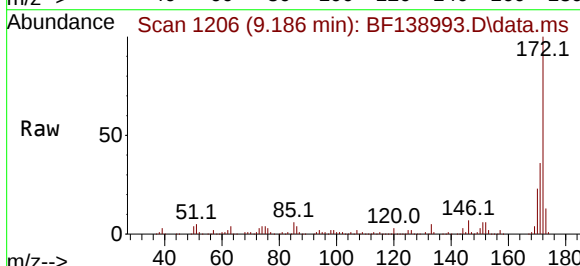
RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

Tgt Ion:	172	Resp:	318352
Ion Ratio	Lower	Upper	
172	100		
171	35.9	28.3	42.5
170	23.4	18.8	28.2





#51

2,6-Dinitrotoluene

Concen: 8.430 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

Instrument :

BNA_F

ClientSampleId :

931-K1-SD-0.5-1.0-080724

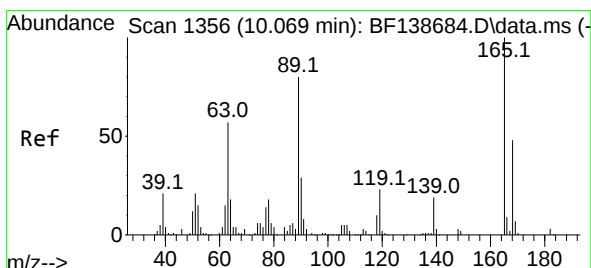
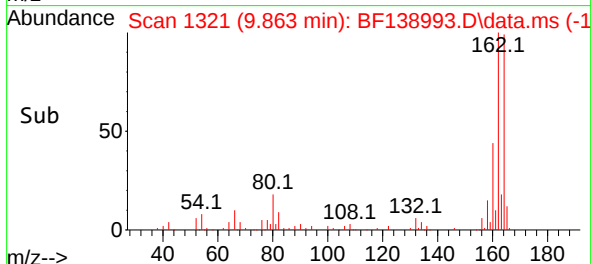
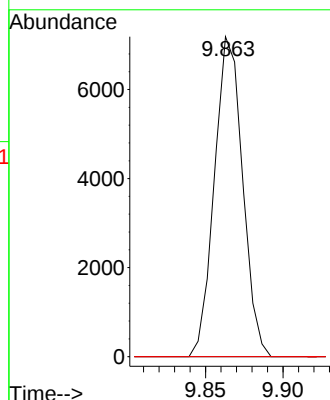
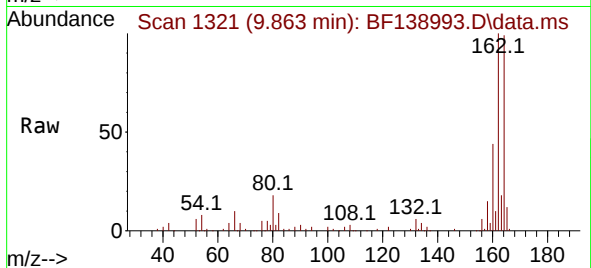
Tgt Ion:165 Resp: 9085

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#57

2,4-Dinitrotoluene

Concen: 6.607 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.206 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

Tgt Ion:165 Resp: 9085

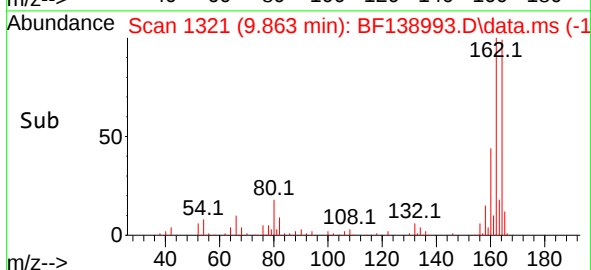
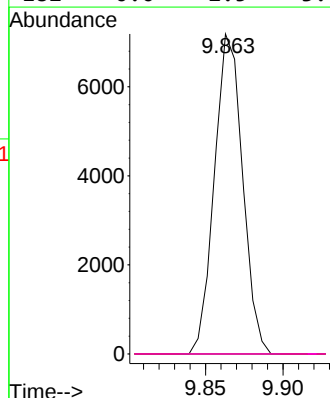
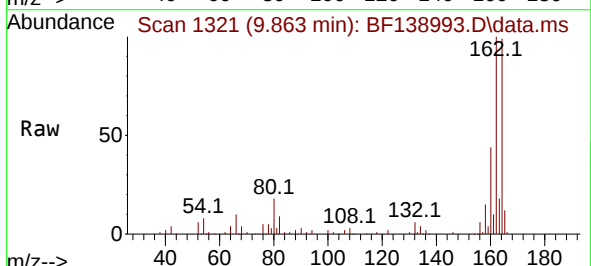
Ion Ratio Lower Upper

165 100

63 0.0 46.3 69.5#

89 0.0 64.2 96.4#

182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

Instrument :

BNA_F

ClientSampleId :

931-K1-SD-0.5-1.0-080724

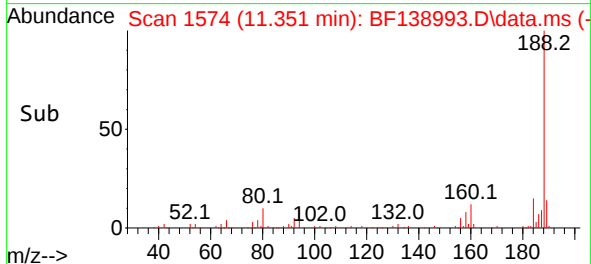
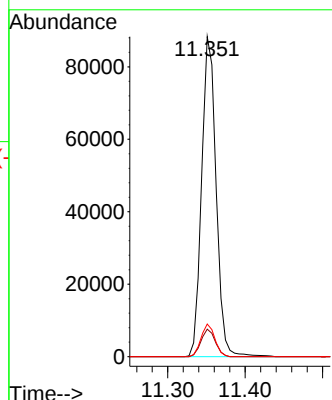
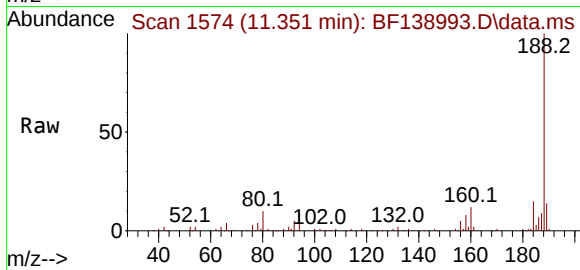
Tgt Ion:188 Resp: 114755

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 10.2 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.232 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

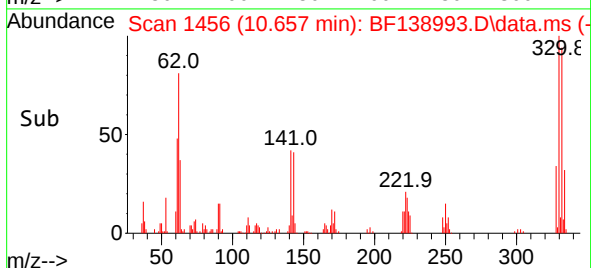
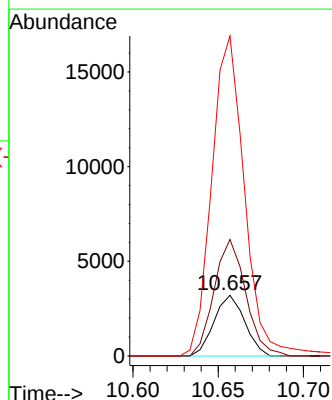
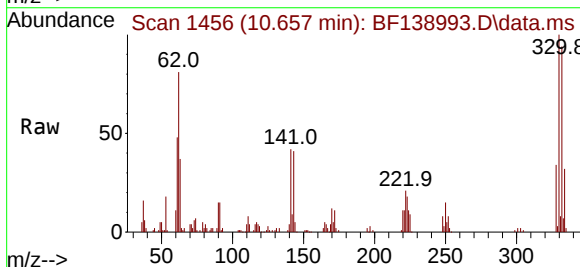
Tgt Ion:248 Resp: 4015

Ion Ratio Lower Upper

248 100

250 191.8 77.7 116.5#

141 527.1 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

Instrument :

BNA_F

ClientSampleId :

931-K1-SD-0.5-1.0-080724

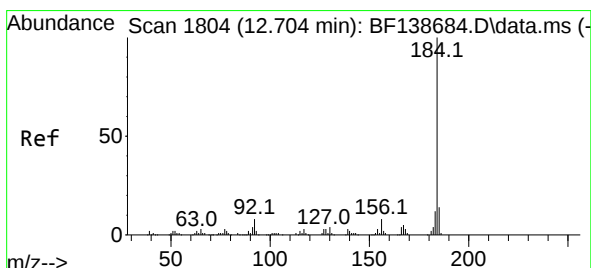
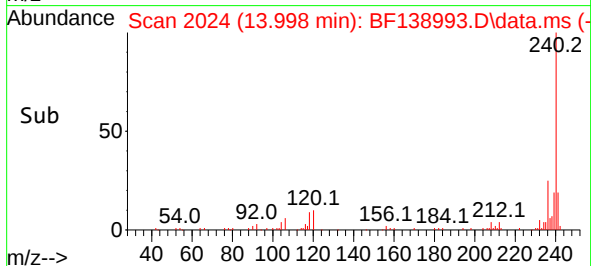
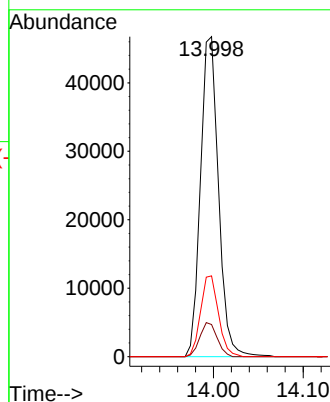
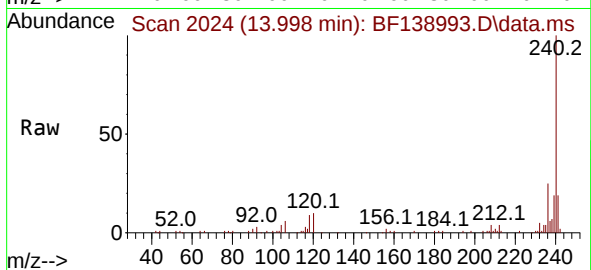
Tgt Ion:240 Resp: 65176

Ion Ratio Lower Upper

240 100

120 10.0 10.2 15.4#

236 25.2 19.8 29.8



#77

Benzidine

Concen: 2.297 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.229 min

Lab File: BF138993.D

Acq: 14 Aug 2024 14:38

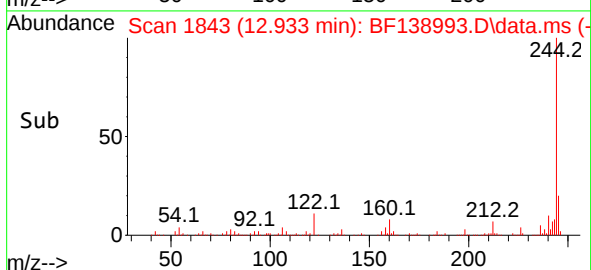
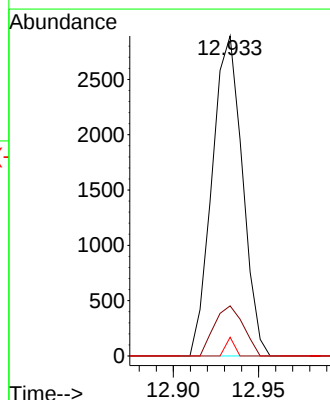
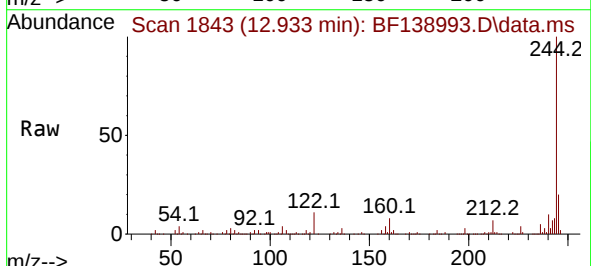
Tgt Ion:184 Resp: 3581

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

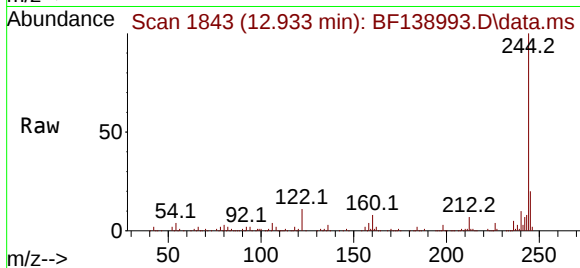
183 5.8 9.6 14.4#



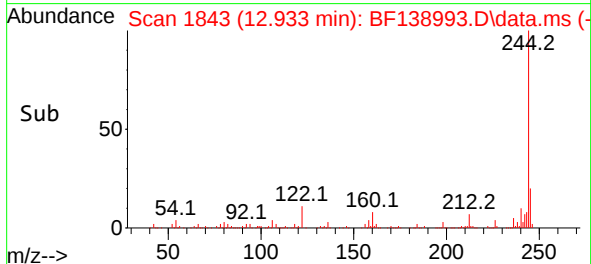
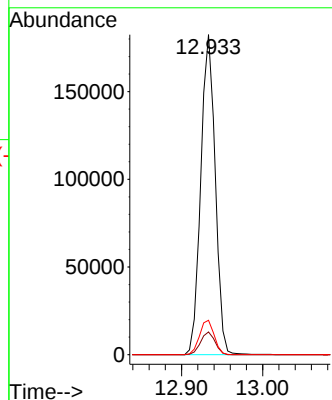


#79
Terphenyl-d14
Concen: 58.083 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

Instrument :
BNA_F
ClientSampleId :
931-K1-SD-0.5-1.0-080724



Tgt Ion:244 Resp: 226105
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.7 9.6 14.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF138993.D
Acq: 14 Aug 2024 14:38

Tgt Ion:264 Resp: 58355
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 22.6 17.0 25.6

