

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134119.D
 Acq On : 07 Jul 2023 03:36
 Operator : CG\JU
 Sample : 03390-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-3

Quant Time: Jul 07 04:11:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

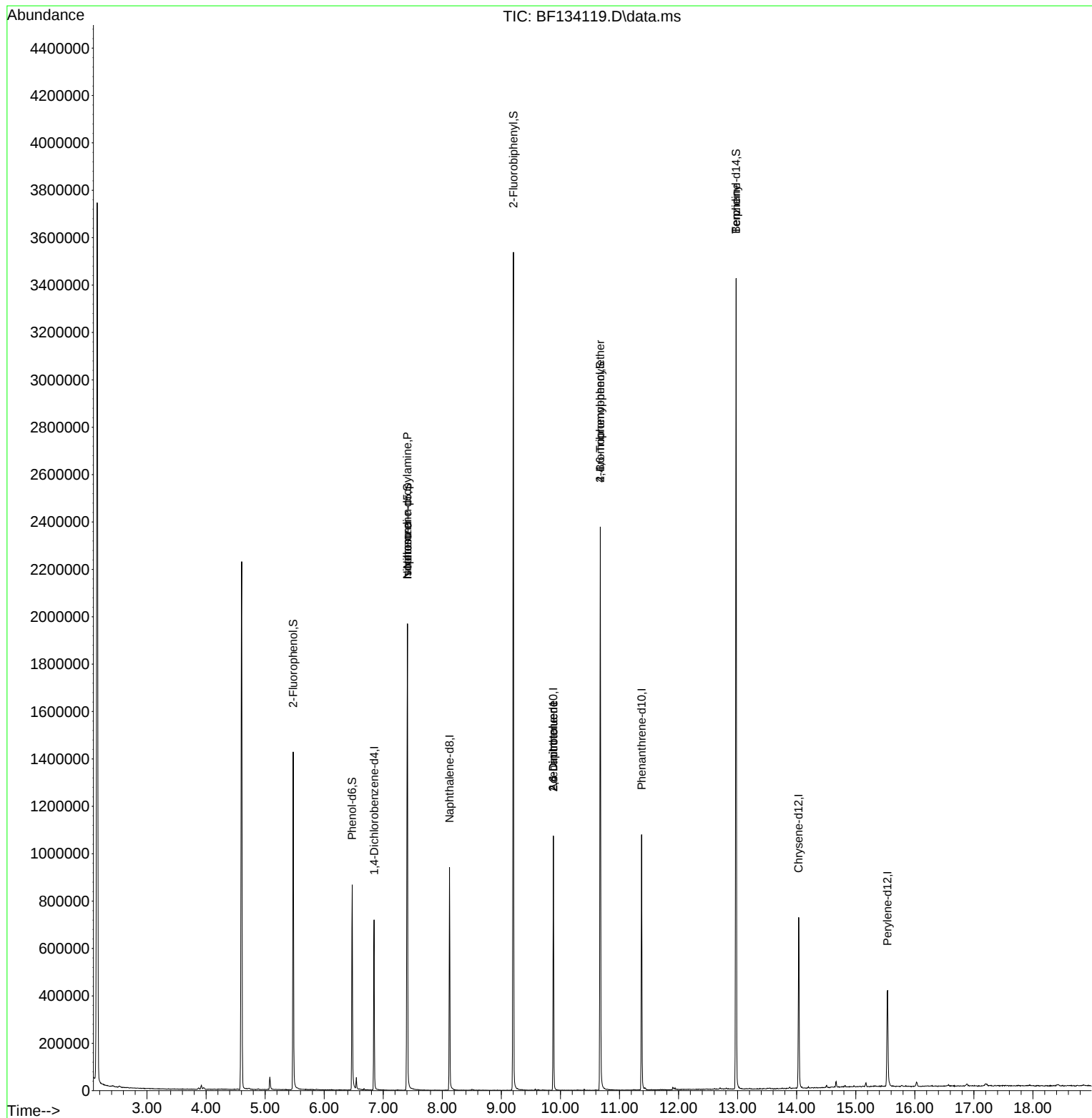
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	102247	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	393943	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	197274	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	383334	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	257668	20.000	ng	-0.02
86) Perylene-d12	15.539	264	220786	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	350330	57.314	ng	-0.01
7) Phenol-d6	6.475	99	268132	35.670	ng	-0.02
23) Nitrobenzene-d5	7.410	82	612398	83.798	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	283905	114.782	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1076356	79.327	ng	0.00
79) Terphenyl-d14	12.974	244	1187454	74.170	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.475	77	510	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	86319	18.107	ng	# 76
25) Isophorone	7.410	82	612454	46.112	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	25168	8.160	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	25168	6.179	ng	# 22
67) 4-Bromophenyl-phenylether	10.675	248	17174	4.215	ng	# 1
77) Benzidine	12.974	184	16497	2.691	ng	# 89

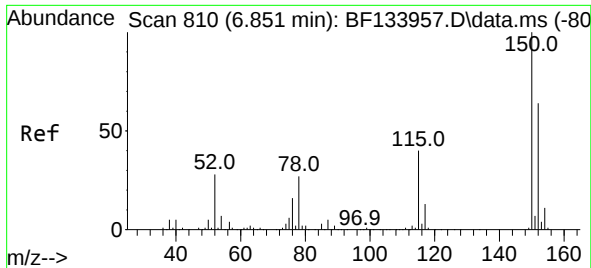
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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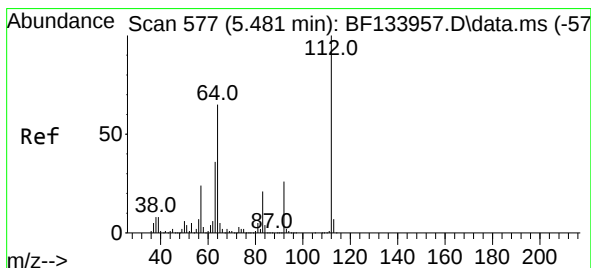
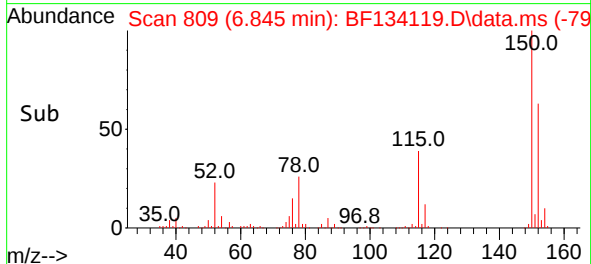
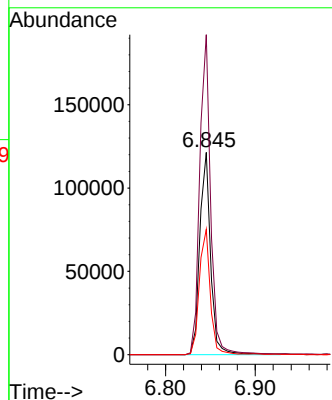
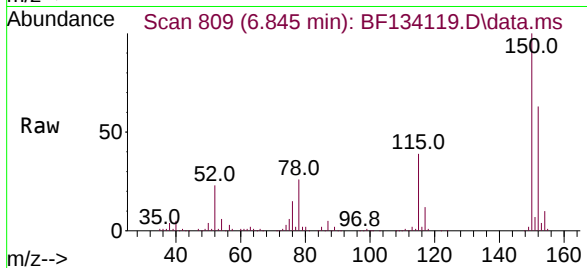




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

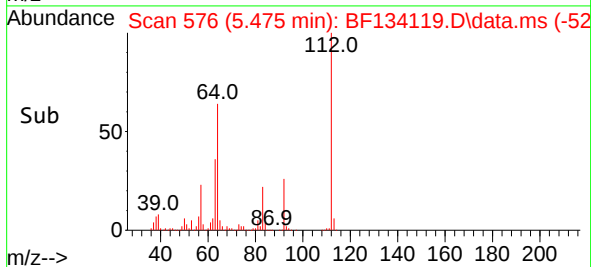
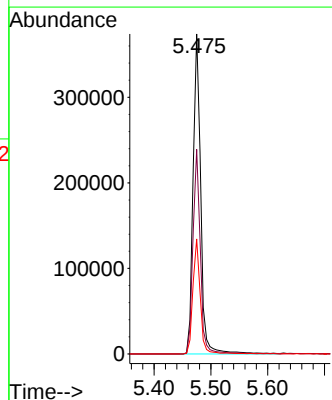
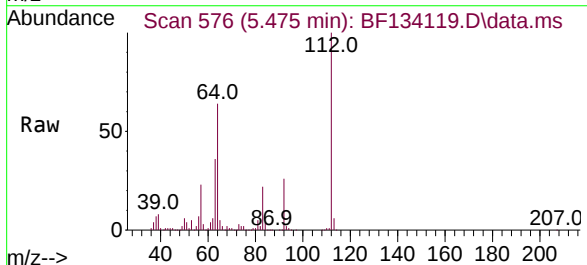
Instrument :
BNA_F
ClientSampleId :
TW-3

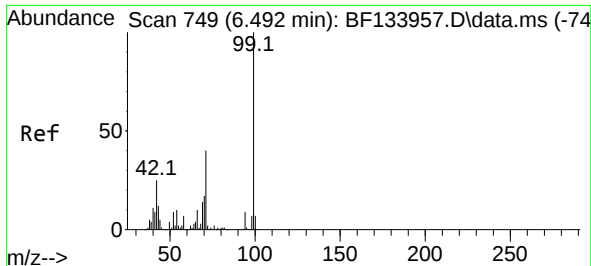
Tgt Ion:152 Resp: 102247
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 61.9 50.2 75.2



#5
2-Fluorophenol
Concen: 57.314 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Tgt Ion:112 Resp: 350330
Ion Ratio Lower Upper
112 100
64 63.9 52.1 78.1
63 35.9 28.6 42.8



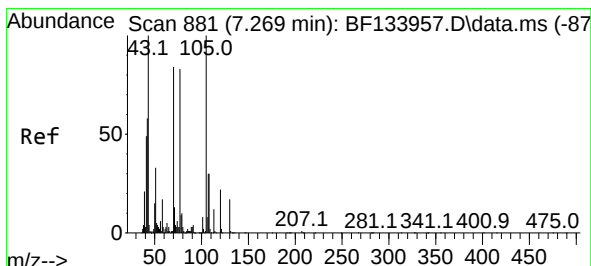
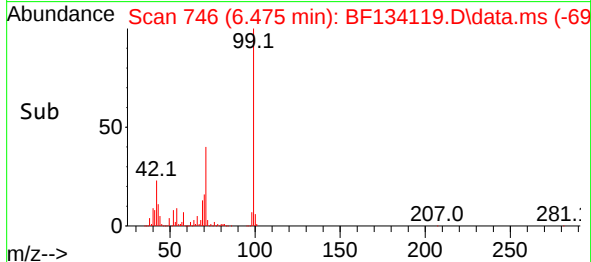
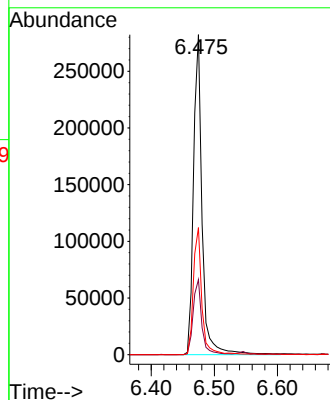
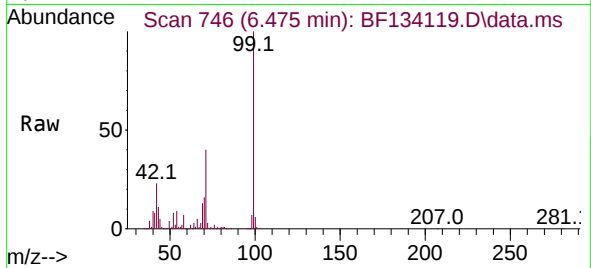


#7
Phenol-d6
Concen: 35.670 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Instrument :
BNA_F
ClientSampleId :
TW-3

Tgt Ion: 99 Resp: 268132

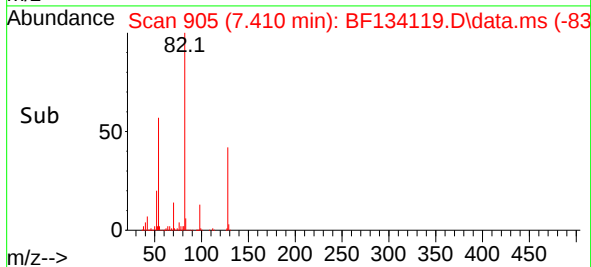
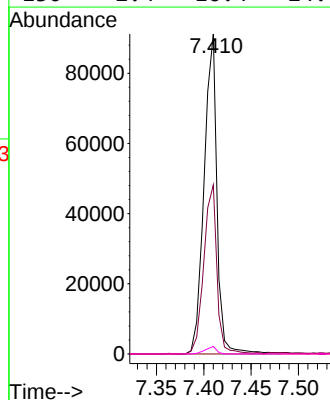
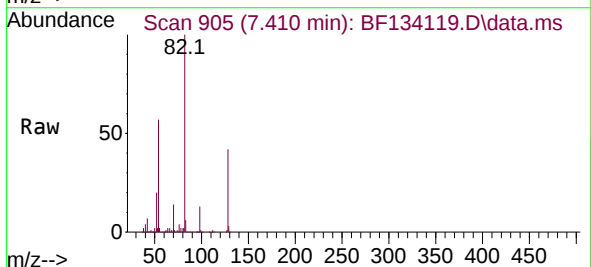
Ion	Ratio	Lower	Upper
99	100		
42	23.5	19.8	29.6
71	39.7	31.9	47.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.107 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Tgt Ion: 70 Resp: 86319

Ion	Ratio	Lower	Upper
70	100		
42	52.8	54.7	82.1#
101	0.0	7.7	11.5#
130	2.4	16.4	24.6#



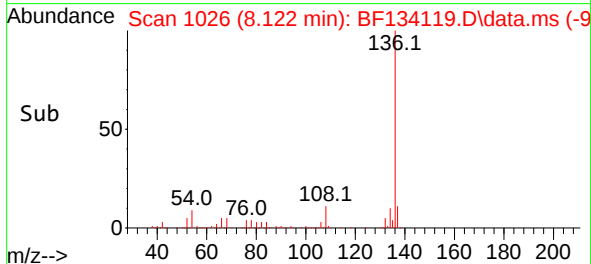
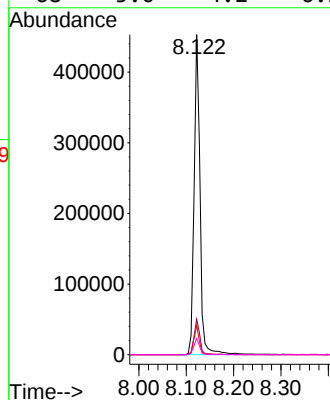
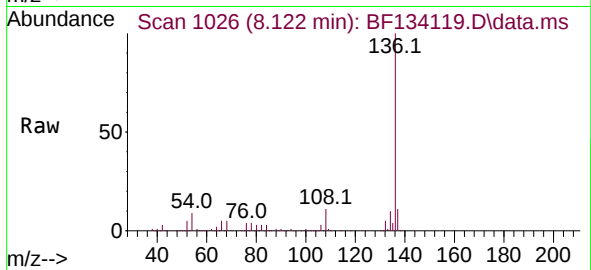


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Instrument :
BNA_F
ClientSampleId :
TW-3

Tgt Ion:136 Resp: 393943

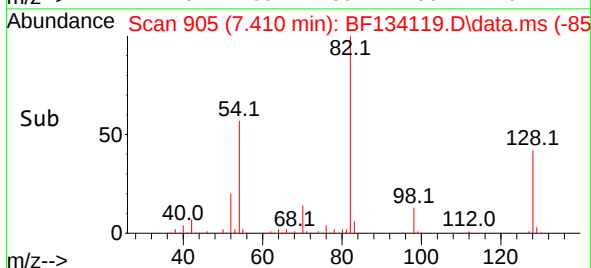
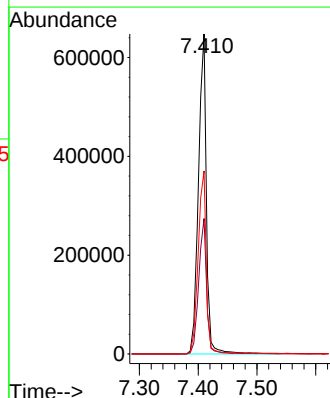
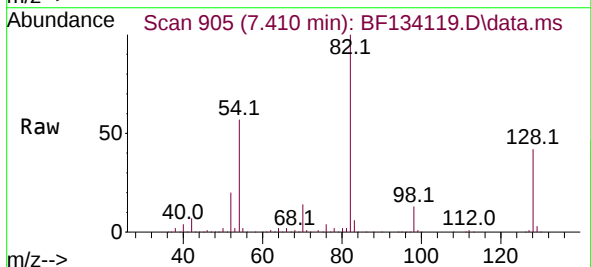
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.1	6.5	9.7
68	5.0	4.2	6.2



#23
Nitrobenzene-d5
Concen: 83.798 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Tgt Ion: 82 Resp: 612398

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.5	48.7
54	57.2	48.2	72.2

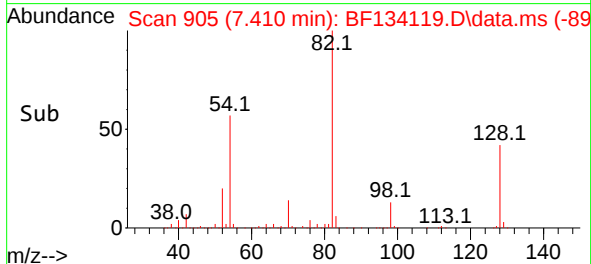
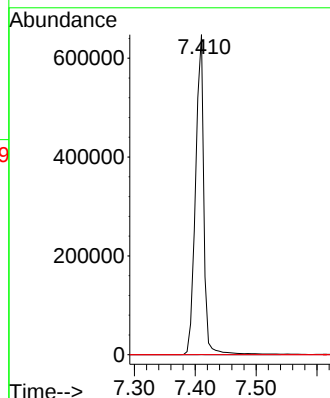
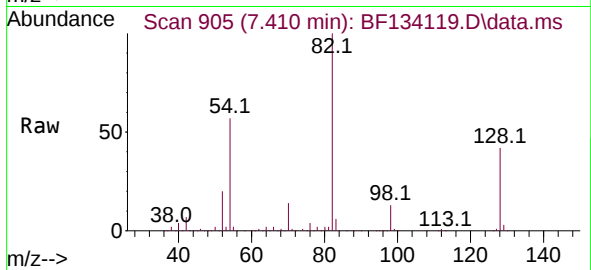




#25
Isophorone
Concen: 46.112 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

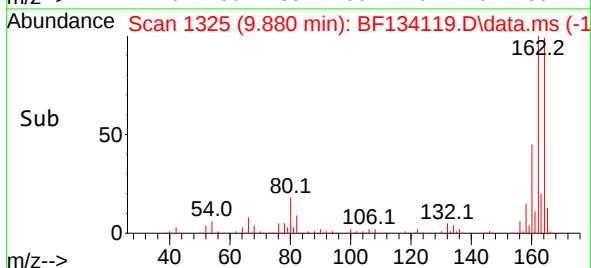
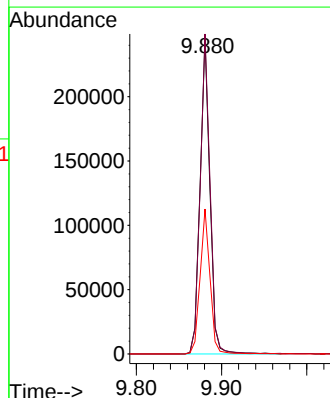
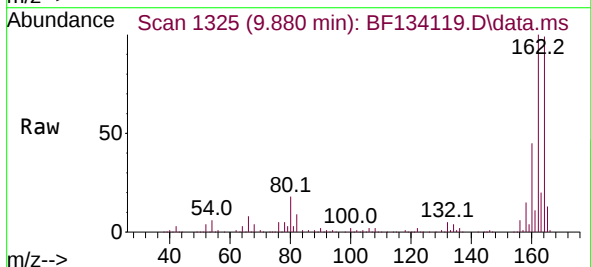
Instrument :
BNA_F
ClientSampleId :
TW-3

Tgt Ion: 82 Resp: 612454
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Tgt Ion: 164 Resp: 197274
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 45.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 114.782 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134119.D

Acq: 07 Jul 2023 03:36

Instrument :

BNA_F

ClientSampleId :

TW-3

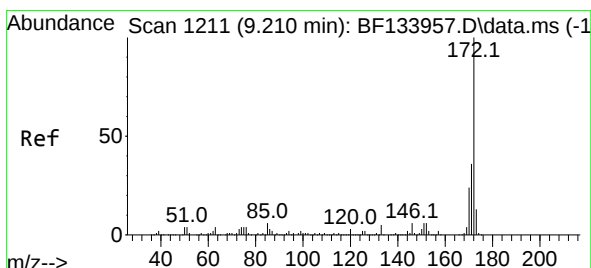
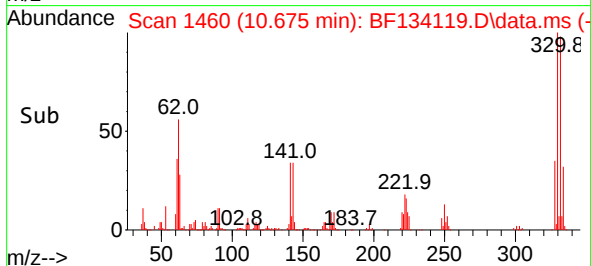
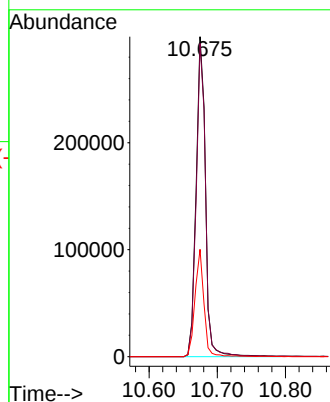
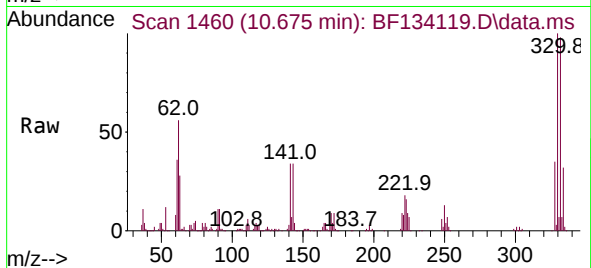
Tgt Ion:330 Resp: 283905

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

141 32.1 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 79.327 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134119.D

Acq: 07 Jul 2023 03:36

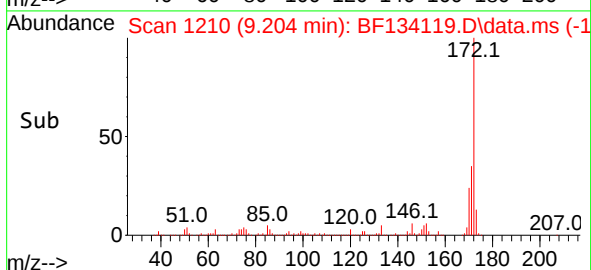
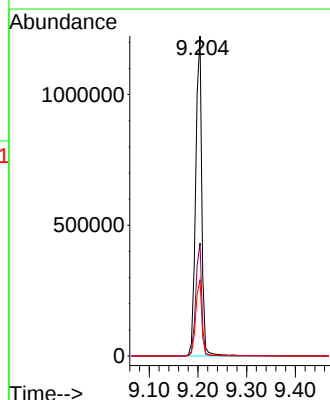
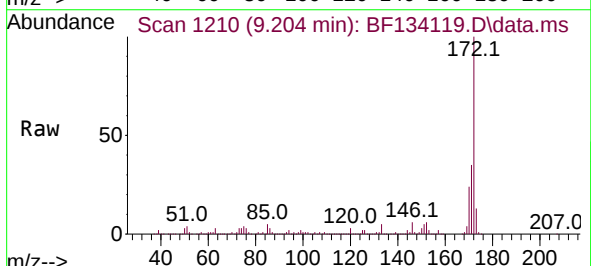
Tgt Ion:172 Resp: 1076356

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.7 19.4 29.0

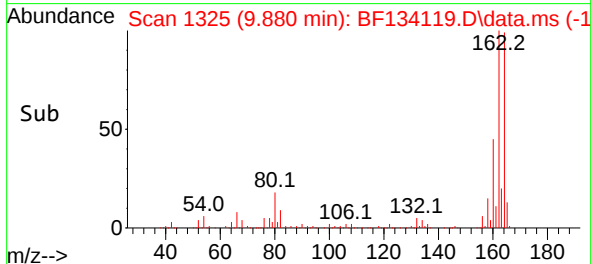
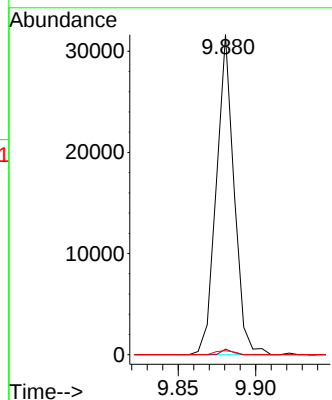
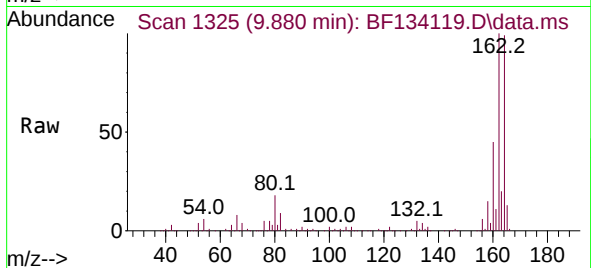




#51
2,6-Dinitrotoluene
Concen: 8.160 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

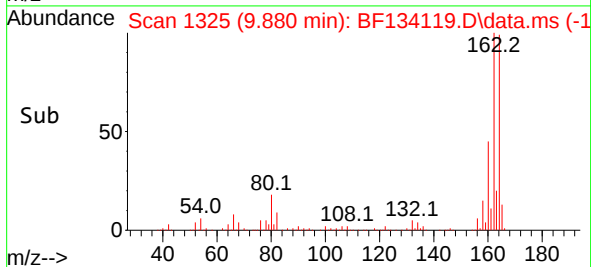
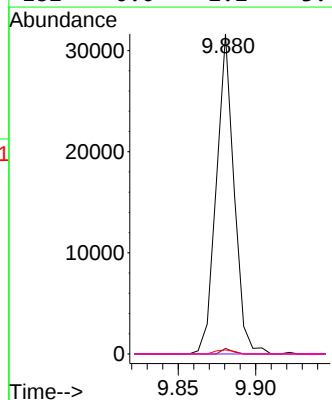
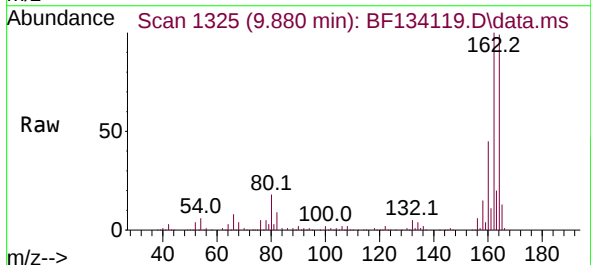
Instrument :
BNA_F
ClientSampleId :
TW-3

Tgt Ion:165 Resp: 25168
Ion Ratio Lower Upper
165 100
63 1.7 48.5 72.7#
89 1.2 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.179 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Tgt Ion:165 Resp: 25168
Ion Ratio Lower Upper
165 100
63 1.7 42.2 63.2#
89 1.2 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134119.D

Acq: 07 Jul 2023 03:36

Instrument :

BNA_F

ClientSampleId :

TW-3

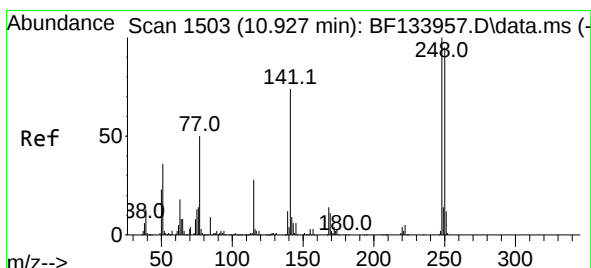
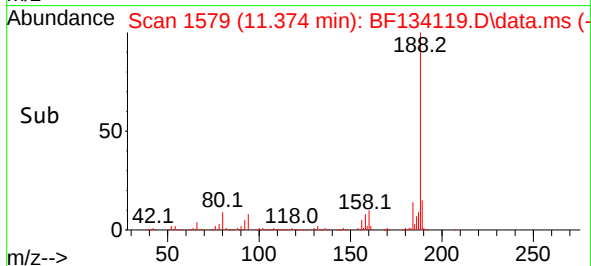
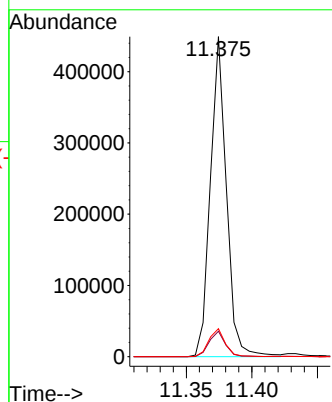
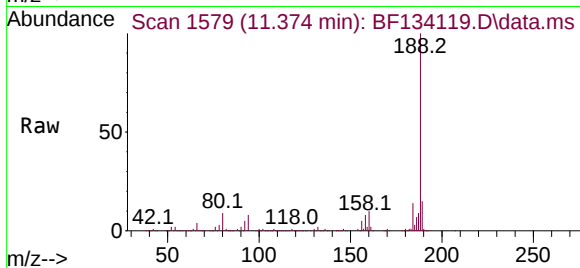
Tgt Ion:188 Resp: 383334

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.8 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.215 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF134119.D

Acq: 07 Jul 2023 03:36

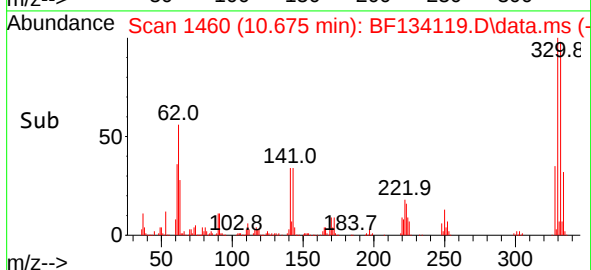
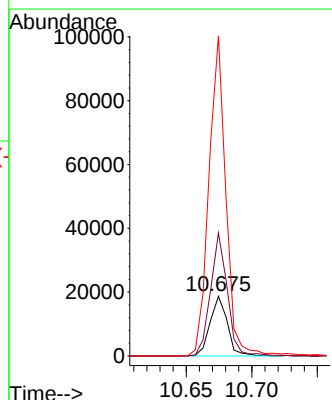
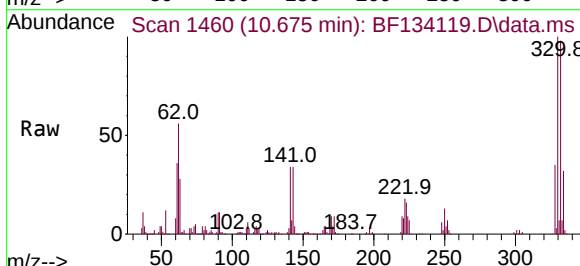
Tgt Ion:248 Resp: 17174

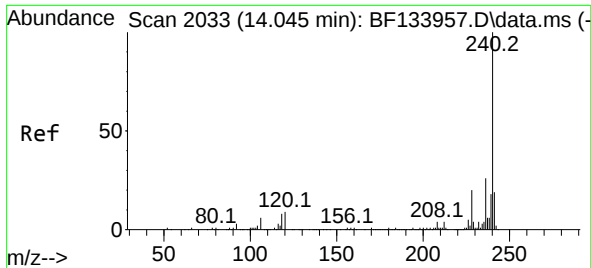
Ion Ratio Lower Upper

248 100

250 206.2 76.2 114.4#

141 536.3 59.0 88.4#

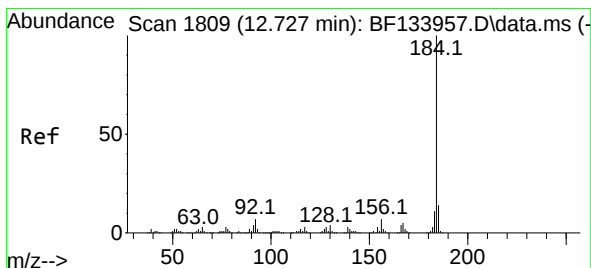
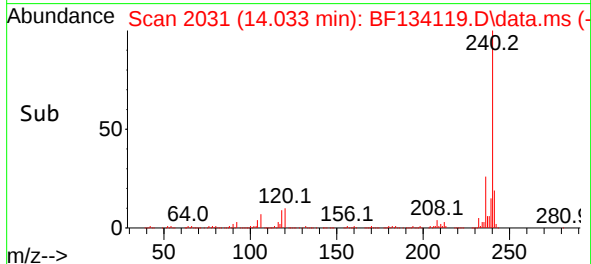
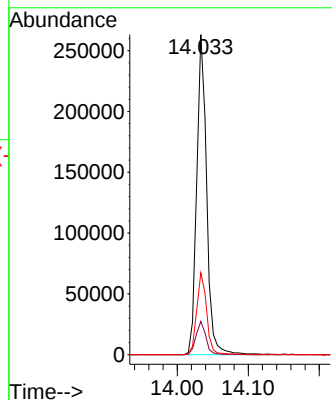
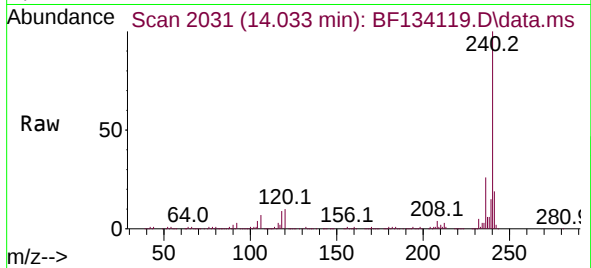




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

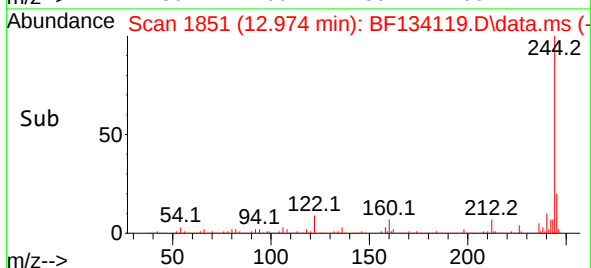
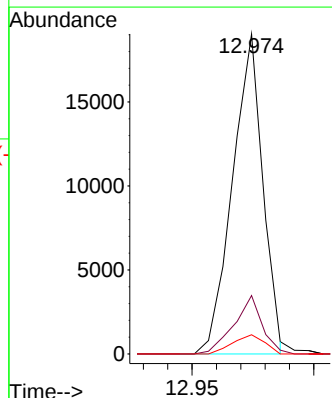
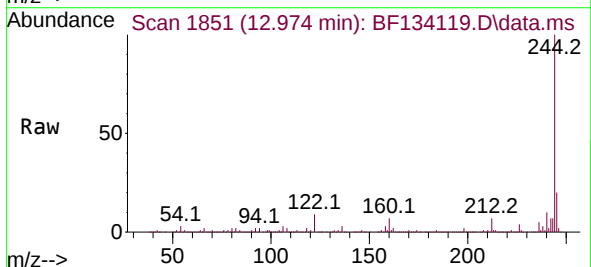
Instrument :
BNA_F
ClientSampleId :
TW-3

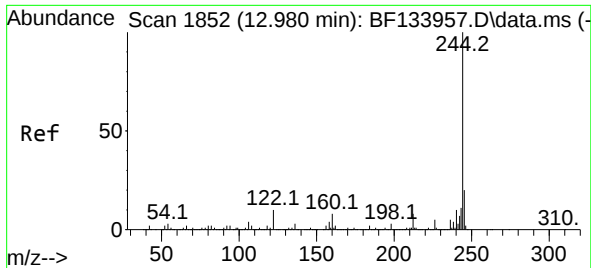
Tgt Ion:240 Resp: 257668
Ion Ratio Lower Upper
240 100
120 10.4 7.4 11.0
236 25.6 21.0 31.6



#77
Benzidine
Concen: 2.691 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134119.D
Acq: 07 Jul 2023 03:36

Tgt Ion:184 Resp: 16497
Ion Ratio Lower Upper
184 100
185 18.3 11.6 17.4#
183 6.0 8.8 13.2#

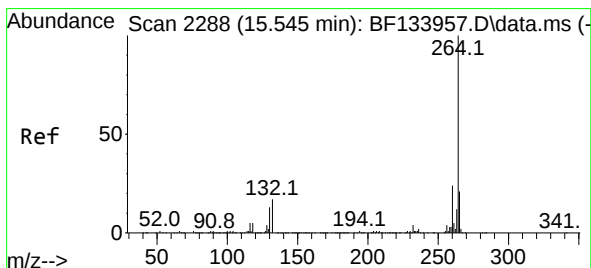
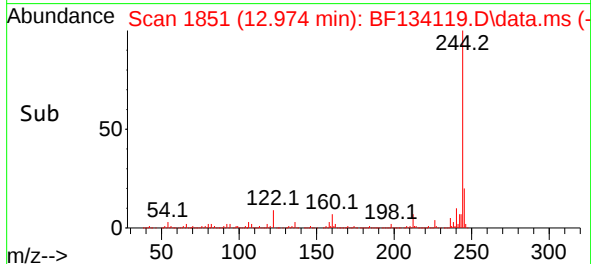
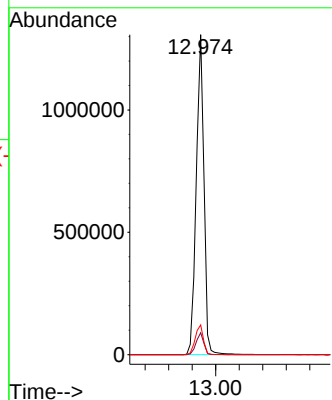
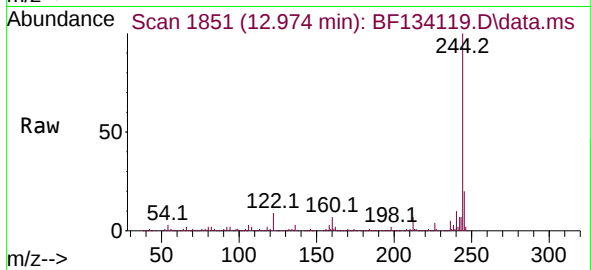




#79
 Terphenyl-d14
 Concen: 74.170 ng
 RT: 12.974 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134119.D
 Acq: 07 Jul 2023 03:36

Instrument :
 BNA_F
 ClientSampleId :
 TW-3

Tgt Ion:244 Resp: 1187454
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.3 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2287
 Delta R.T. -0.012 min
 Lab File: BF134119.D
 Acq: 07 Jul 2023 03:36

Tgt Ion:264 Resp: 220786
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 20.5 16.6 25.0

