

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134120.D
 Acq On : 07 Jul 2023 04:09
 Operator : CG\JU
 Sample : 03368-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-30

Quant Time: Jul 07 04:32:59 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

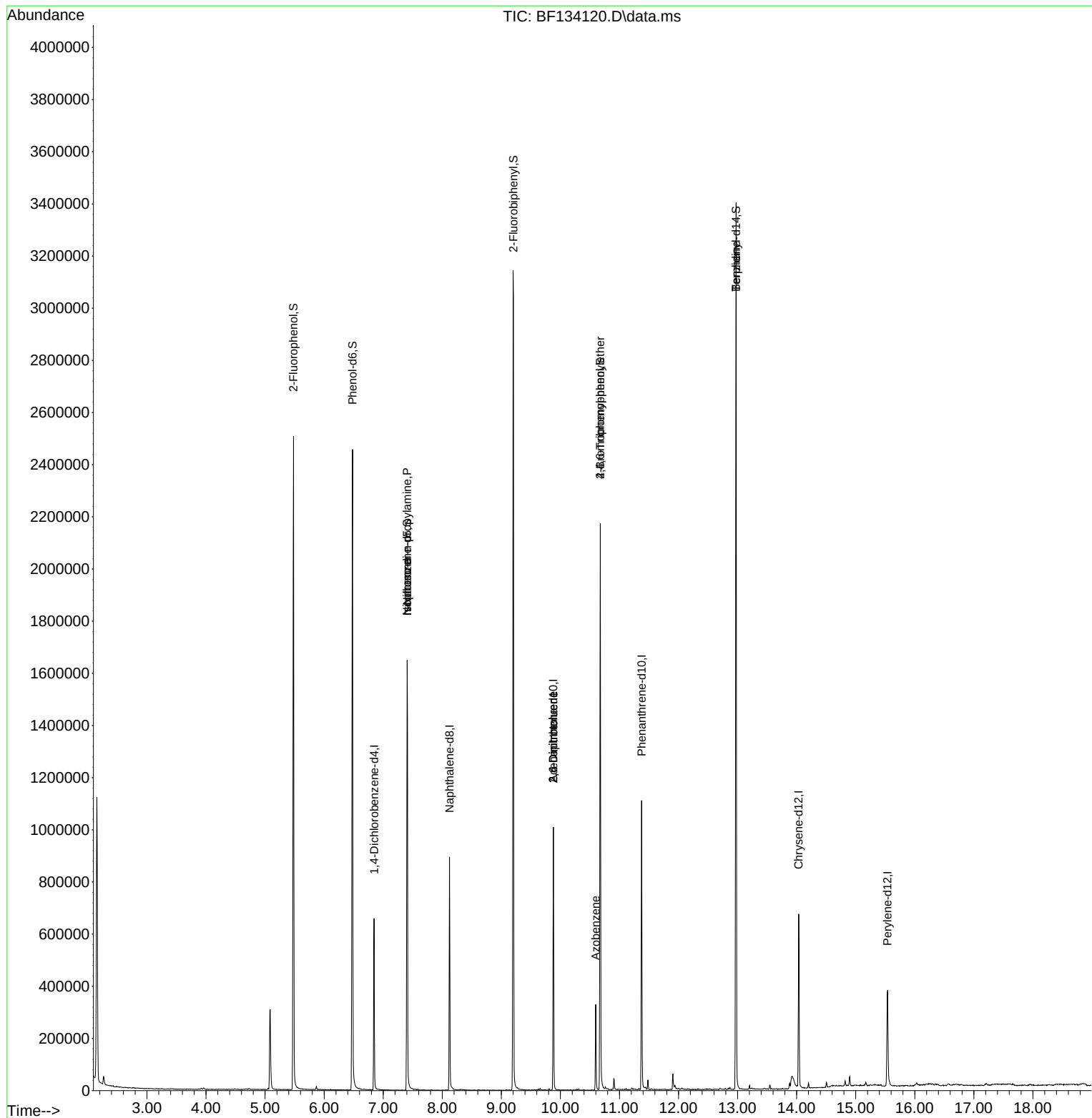
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	95467	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	373855	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	191252	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	400952	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	230774	20.000	ng	-0.02
86) Perylene-d12	15.539	264	192427	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	645904	113.175	ng	0.00
7) Phenol-d6	6.481	99	790527	112.633	ng	-0.01
23) Nitrobenzene-d5	7.404	82	533963	76.991	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	253292	105.630	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1026627	78.044	ng	0.00
79) Terphenyl-d14	12.974	244	1180407	82.322	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.481	77	1510	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.404	70	73226	16.452	ng	# 80
25) Isophorone	7.404	82	533959	42.362	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	23642	7.907	ng	# 24
57) 2,4-Dinitrotoluene	9.881	165	23642	5.987	ng	# 22
63) Azobenzene	10.598	77	55865	4.083	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	15550	3.649	ng	# 1
77) Benzidine	12.974	184	15824	2.882	ng	# 89

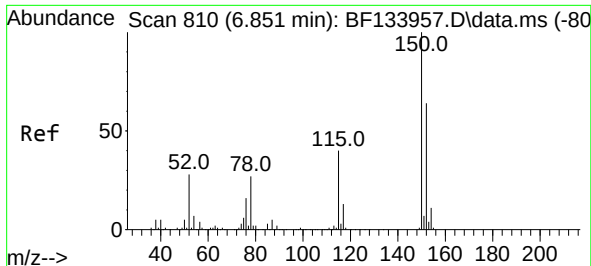
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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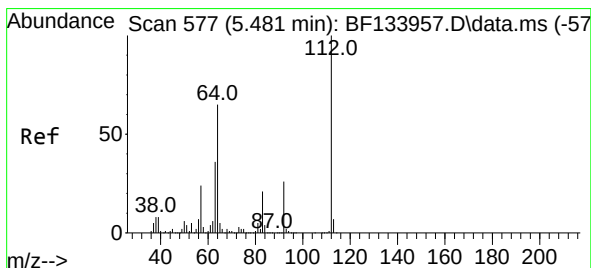
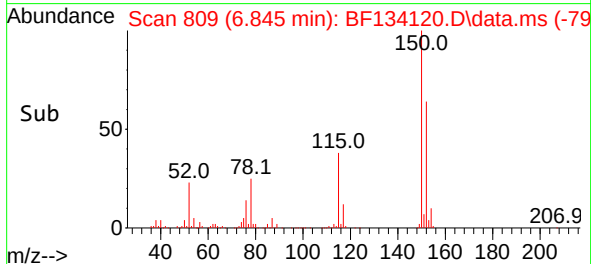
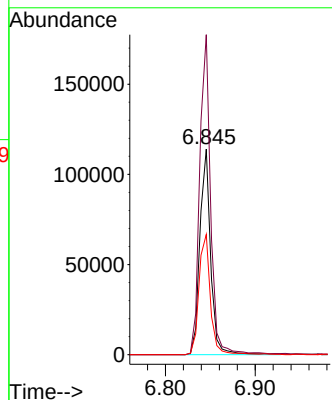
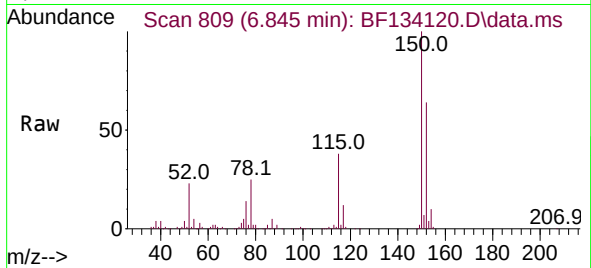




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF134120.D
 Acq: 07 Jul 2023 04:09

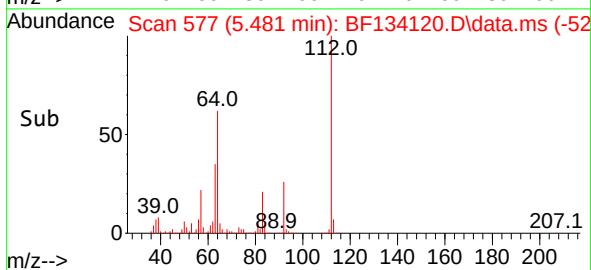
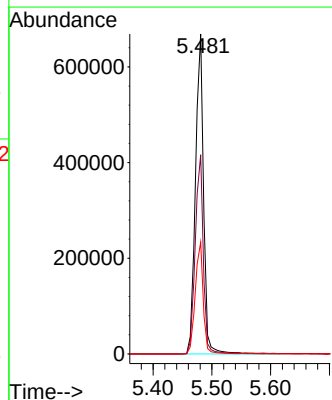
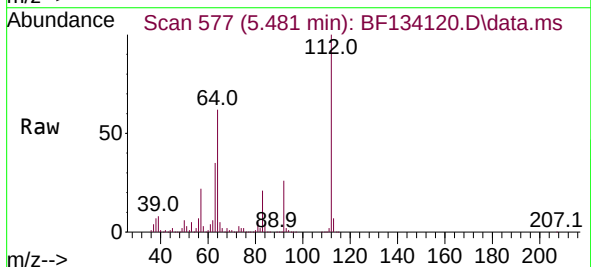
Instrument :
 BNA_F
 ClientSampleId :
 CF-30

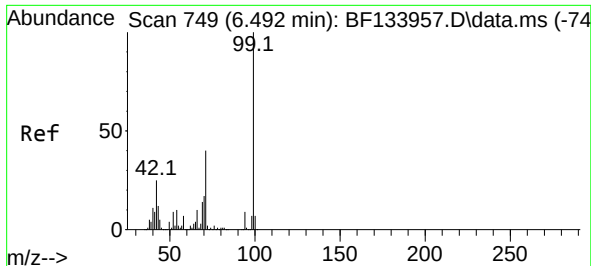
Tgt Ion:152 Resp: 95467
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.5 186.7
 115 58.5 50.2 75.2



#5
 2-Fluorophenol
 Concen: 113.175 ng
 RT: 5.481 min Scan# 577
 Delta R.T. -0.006 min
 Lab File: BF134120.D
 Acq: 07 Jul 2023 04:09

Tgt Ion:112 Resp: 645904
 Ion Ratio Lower Upper
 112 100
 64 62.2 52.1 78.1
 63 34.9 28.6 42.8

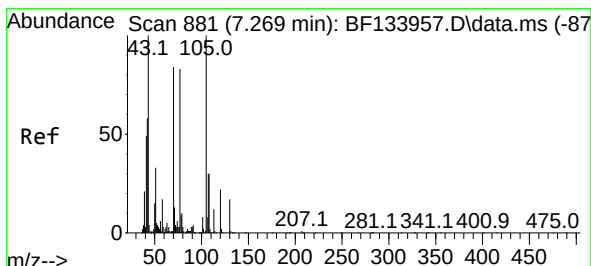
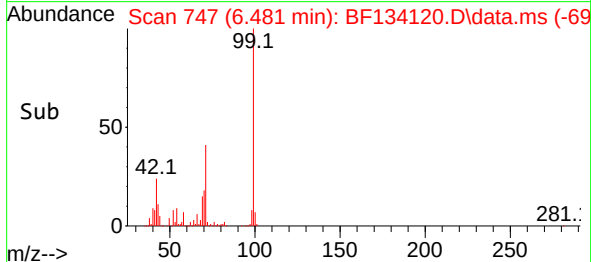
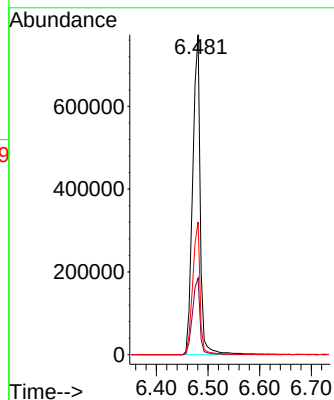
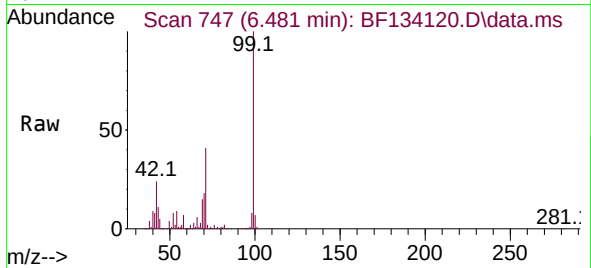




#7
Phenol-d6
Concen: 112.633 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

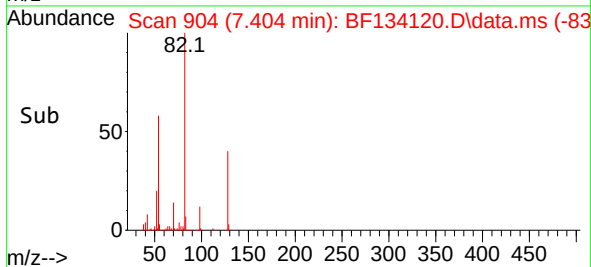
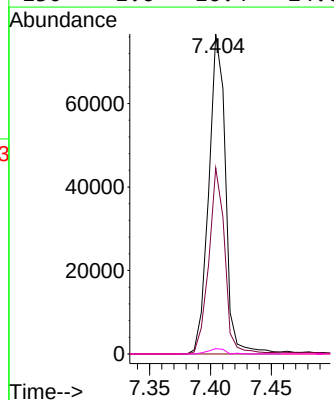
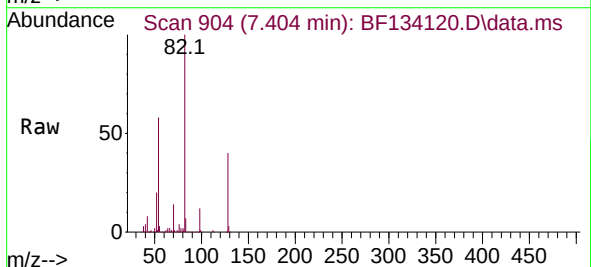
Instrument :
BNA_F
ClientSampleId :
CF-30

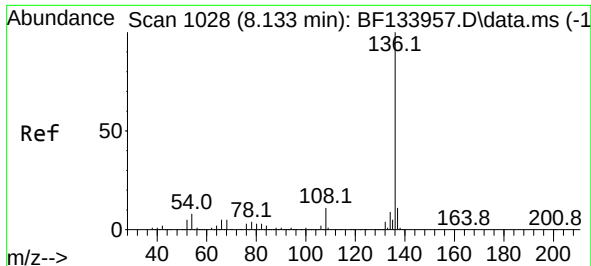
Tgt Ion: 99 Resp: 790527
Ion Ratio Lower Upper
99 100
42 23.9 19.8 29.6
71 41.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.452 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Tgt Ion: 70 Resp: 73226
Ion Ratio Lower Upper
70 100
42 58.2 54.7 82.1
101 0.0 7.7 11.5#
130 1.6 16.4 24.6#



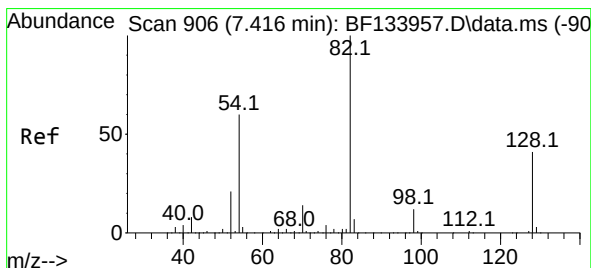
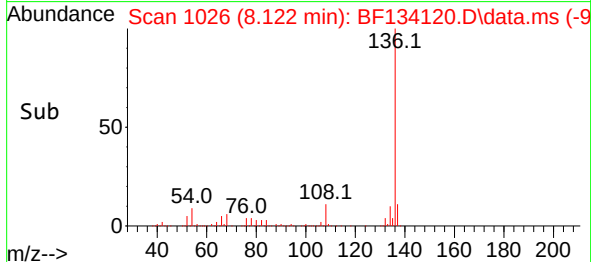
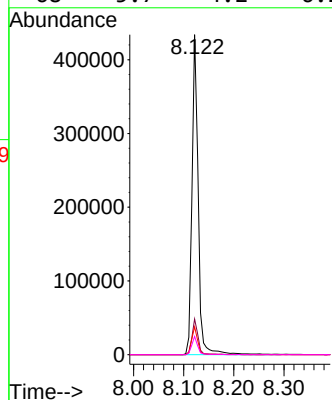
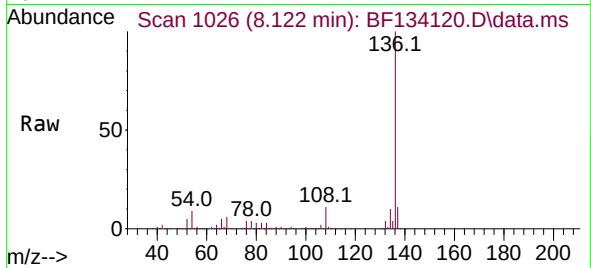


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Instrument :
BNA_F
ClientSampleId :
CF-30

Tgt Ion:136 Resp: 373855

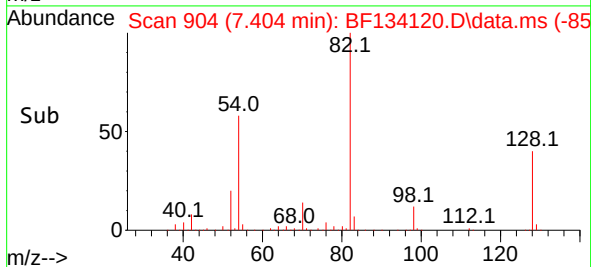
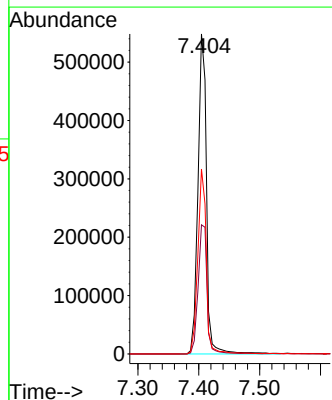
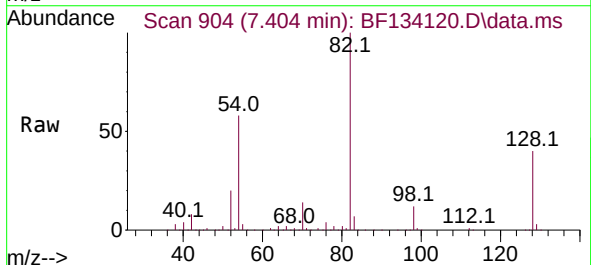
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.7	6.5	9.7
68	5.7	4.2	6.2

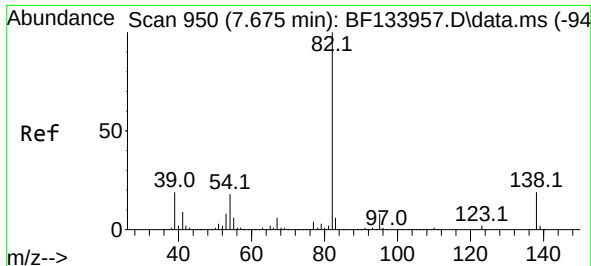


#23
Nitrobenzene-d5
Concen: 76.991 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Tgt Ion: 82 Resp: 533963

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.5	48.7
54	57.8	48.2	72.2

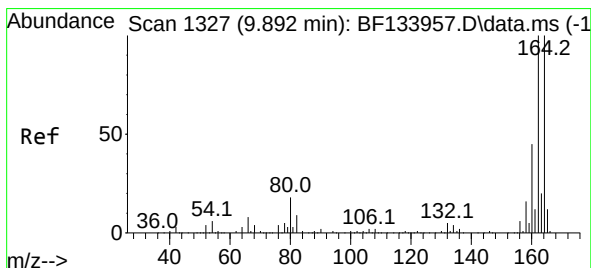
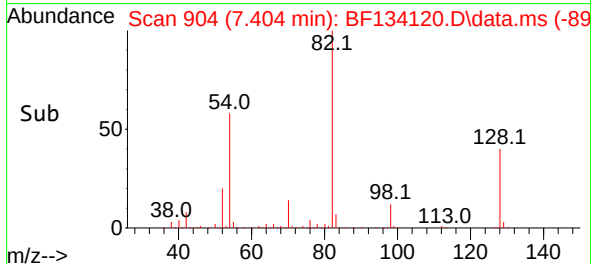
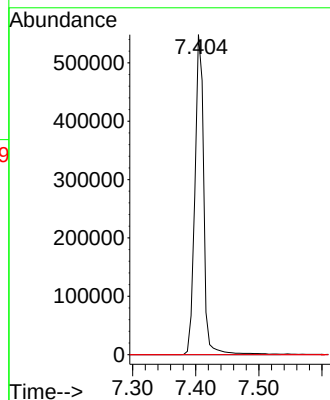
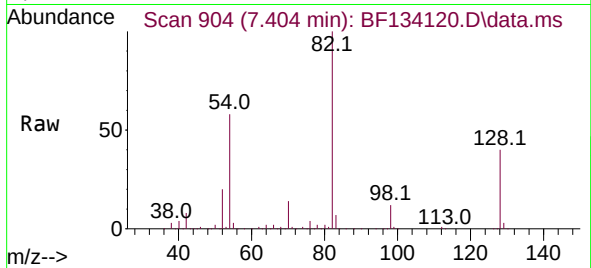




#25
Isophorone
Concen: 42.362 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

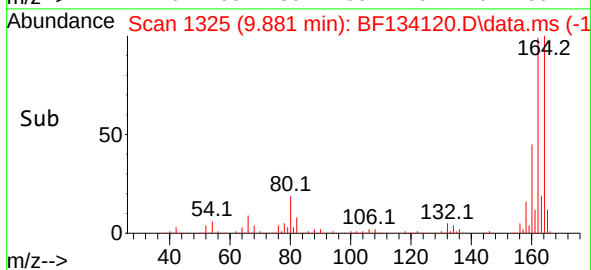
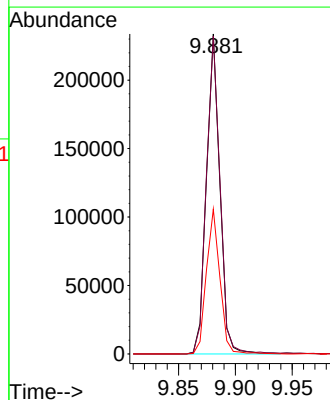
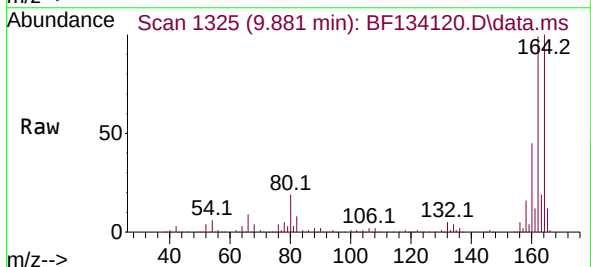
Instrument :
BNA_F
ClientSampleId :
CF-30

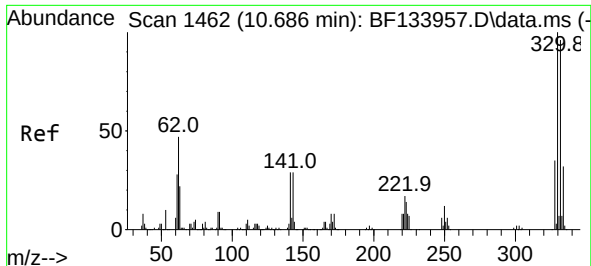
Tgt Ion: 82 Resp: 533959
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Tgt Ion:164 Resp: 191252
Ion Ratio Lower Upper
164 100
162 99.4 80.0 120.0
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 105.630 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134120.D

Acq: 07 Jul 2023 04:09

Instrument :

BNA_F

ClientSampleId :

CF-30

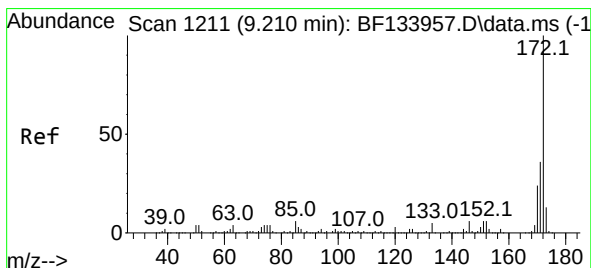
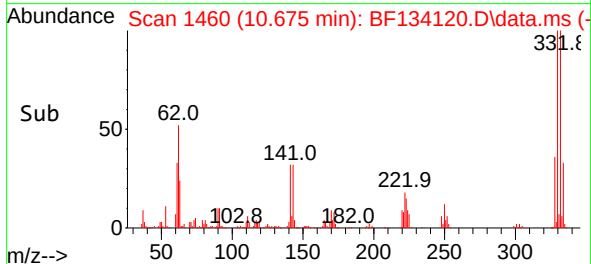
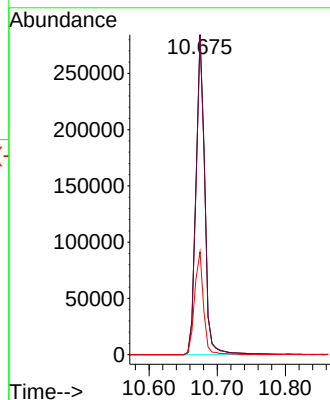
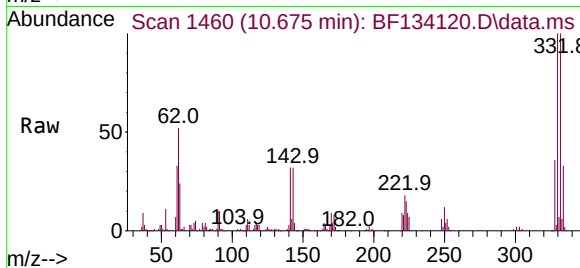
Tgt Ion:330 Resp: 253292

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

141 32.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 78.044 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134120.D

Acq: 07 Jul 2023 04:09

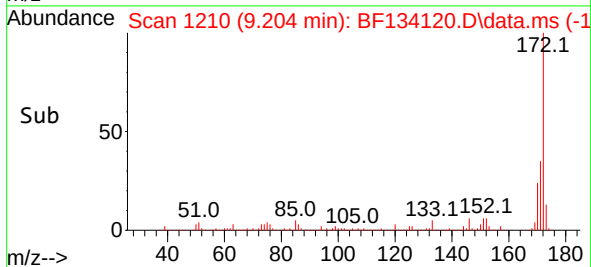
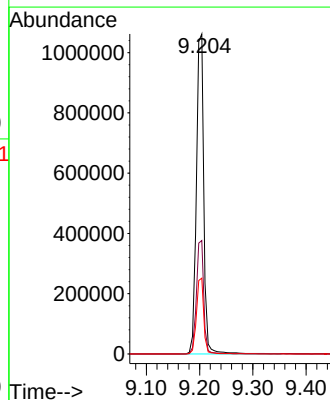
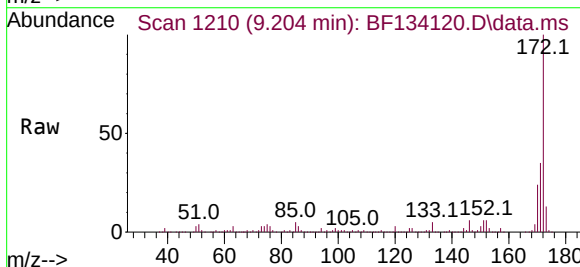
Tgt Ion:172 Resp: 1026627

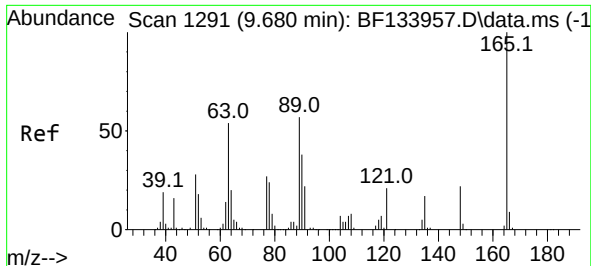
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.7 19.4 29.0

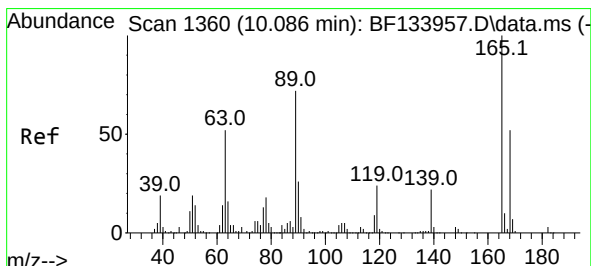
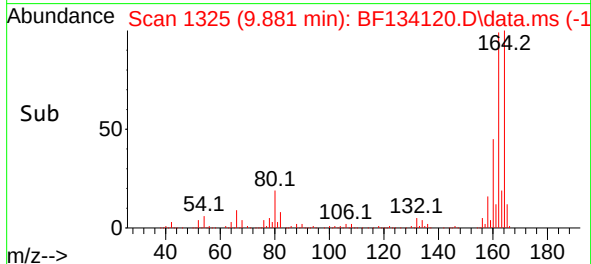
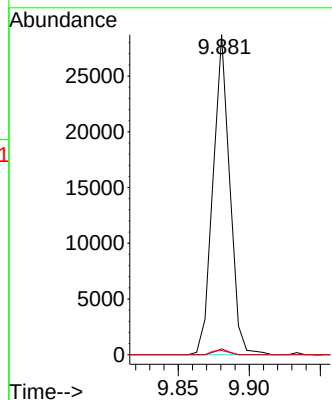
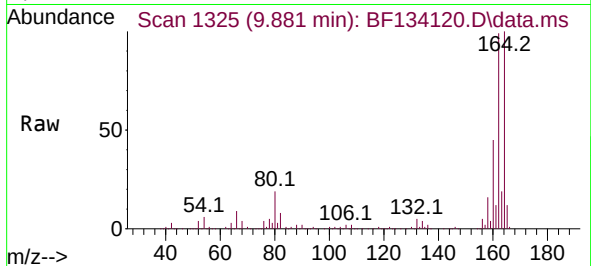




#51
2,6-Dinitrotoluene
Concen: 7.907 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

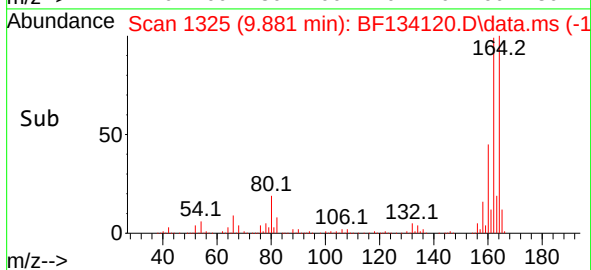
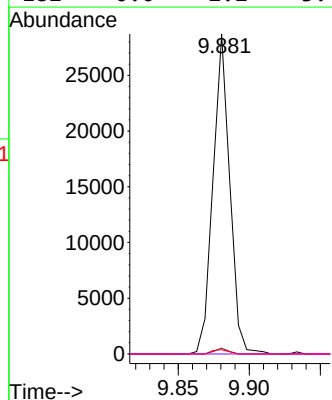
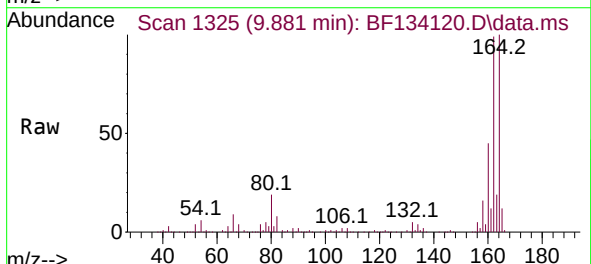
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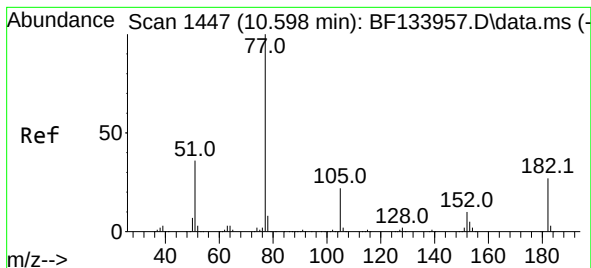
Tgt Ion:165 Resp: 23642
Ion Ratio Lower Upper
165 100
63 1.8 48.5 72.7#
89 1.3 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 5.987 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Tgt Ion:165 Resp: 23642
Ion Ratio Lower Upper
165 100
63 1.8 42.2 63.2#
89 1.3 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.083 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.000 min

Lab File: BF134120.D

Acq: 07 Jul 2023 04:09

Instrument :

BNA_F

ClientSampleId :

CF-30

Tgt Ion: 77 Resp: 55865

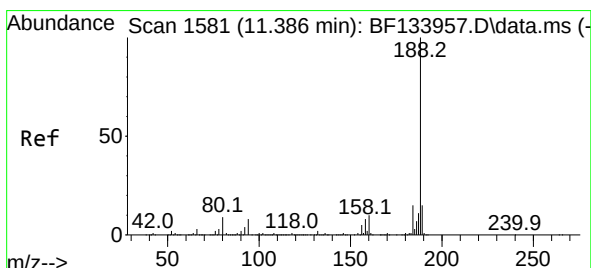
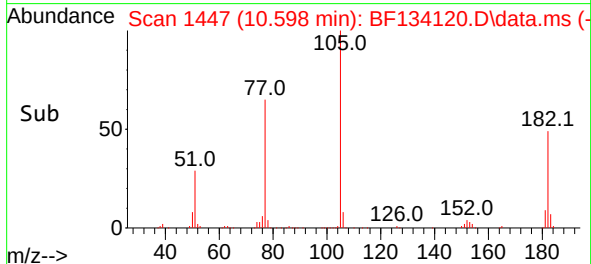
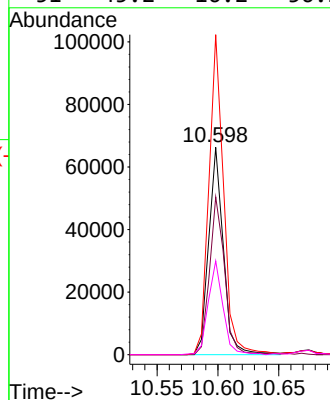
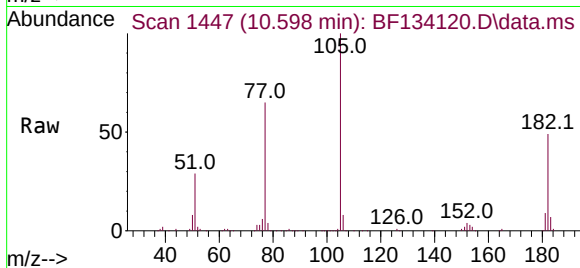
Ion Ratio Lower Upper

77 100

182 76.1 6.8 46.8#

105 154.3 2.3 42.3#

51 45.2 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134120.D

Acq: 07 Jul 2023 04:09

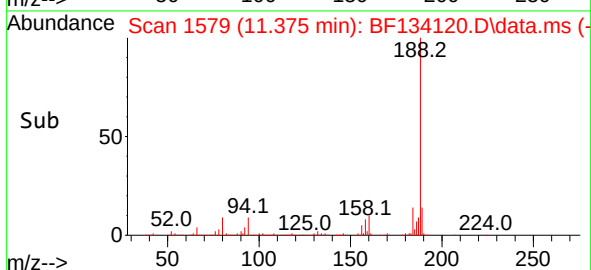
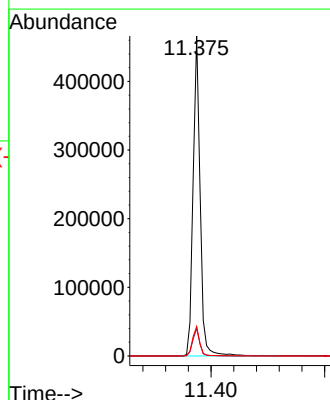
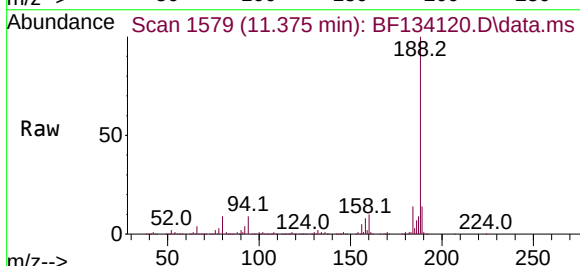
Tgt Ion:188 Resp: 400952

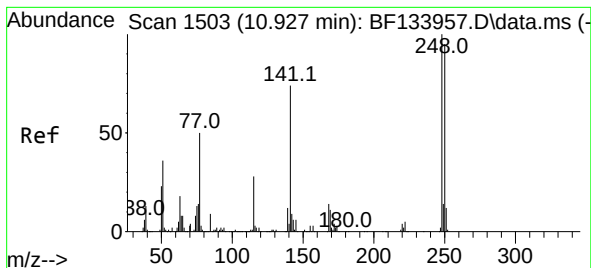
Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.3 7.3 10.9

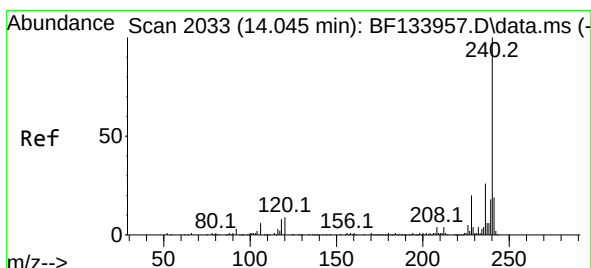
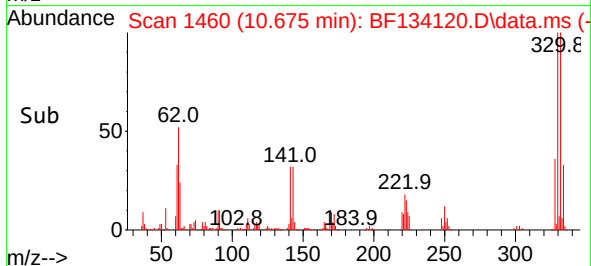
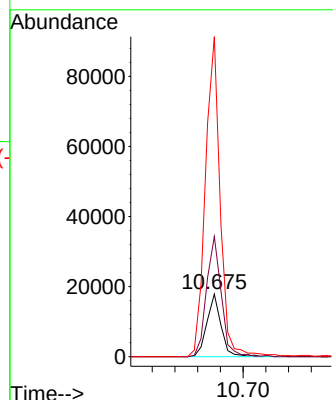
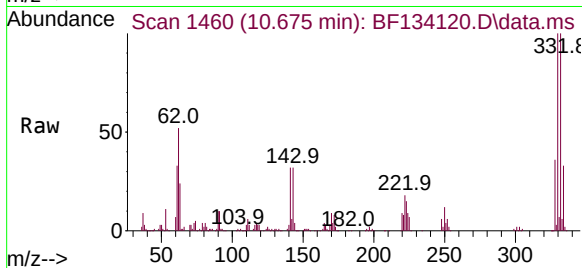




#67
4-Bromophenyl-phenylether
Concen: 3.649 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

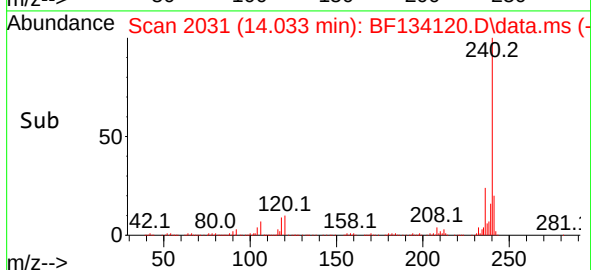
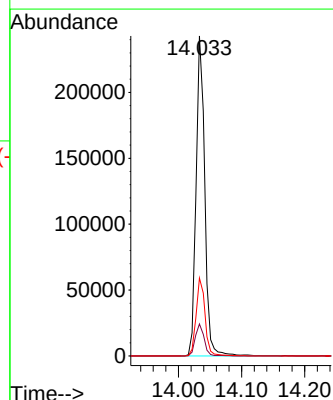
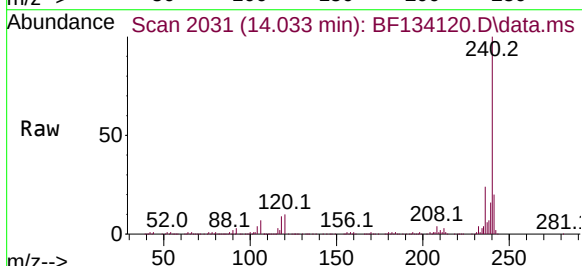
Instrument :
BNA_F
ClientSampleId :
CF-30

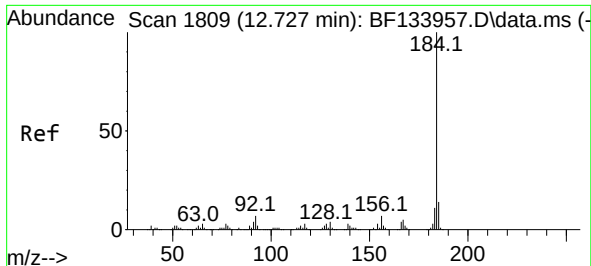
Tgt Ion:248 Resp: 15550
Ion Ratio Lower Upper
248 100
250 191.9 76.2 114.4#
141 510.9 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Tgt Ion:240 Resp: 230774
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 24.4 21.0 31.6

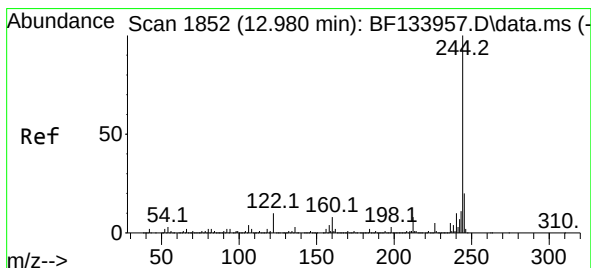
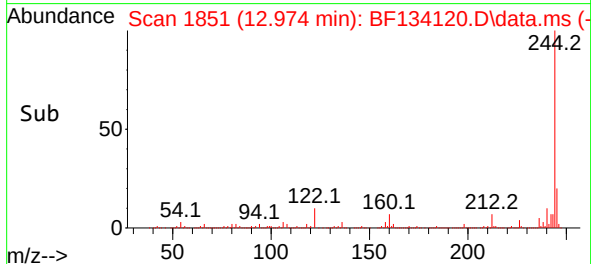
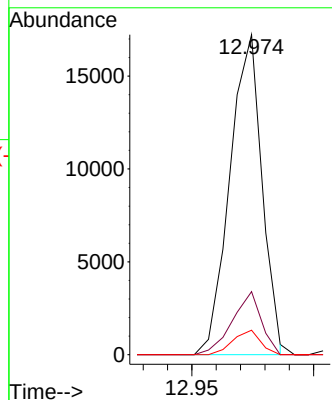
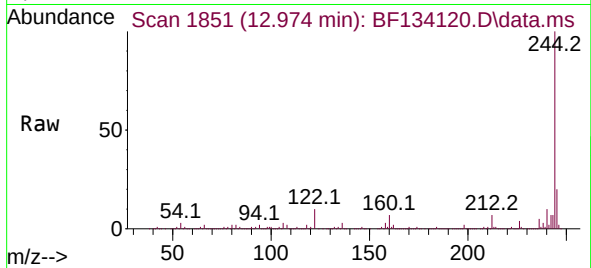




#77
Benzidine
Concen: 2.882 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

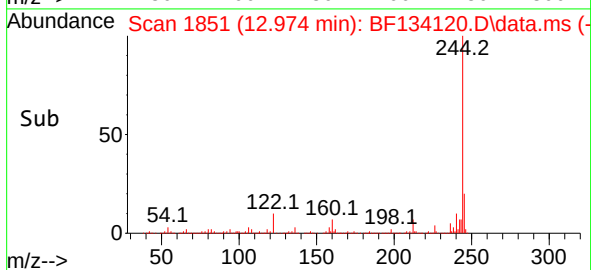
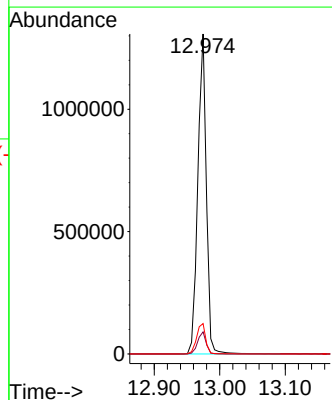
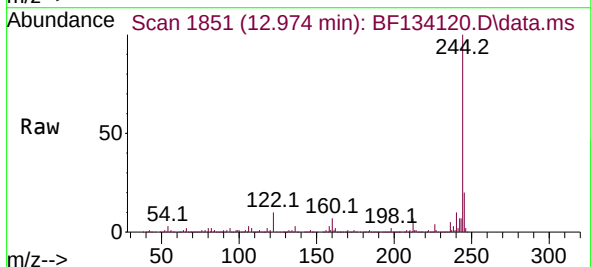
Instrument :
BNA_F
ClientSampleId :
CF-30

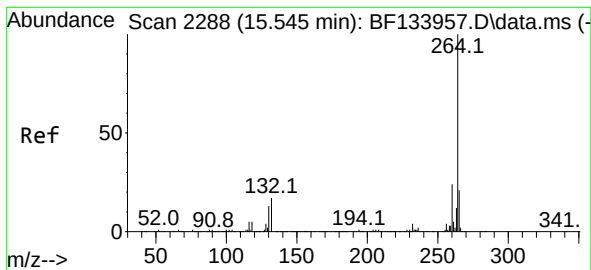
Tgt Ion:184 Resp: 15824
Ion Ratio Lower Upper
184 100
185 19.7 11.6 17.4#
183 7.7 8.8 13.2#



#79
Terphenyl-d14
Concen: 82.322 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF134120.D
Acq: 07 Jul 2023 04:09

Tgt Ion:244 Resp: 1180407
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.5 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134120.D
 Acq: 07 Jul 2023 04:09

Instrument :
 BNA_F
 ClientSampleId :
 CF-30

Tgt Ion:264 Resp: 192427
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 21.1 16.6 25.0

