

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134062.D
 Acq On : 30 Jun 2023 20:40
 Operator : CG\JU
 Sample : 03360-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CE-88N-062023

Quant Time: Jul 01 04:32:31 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)

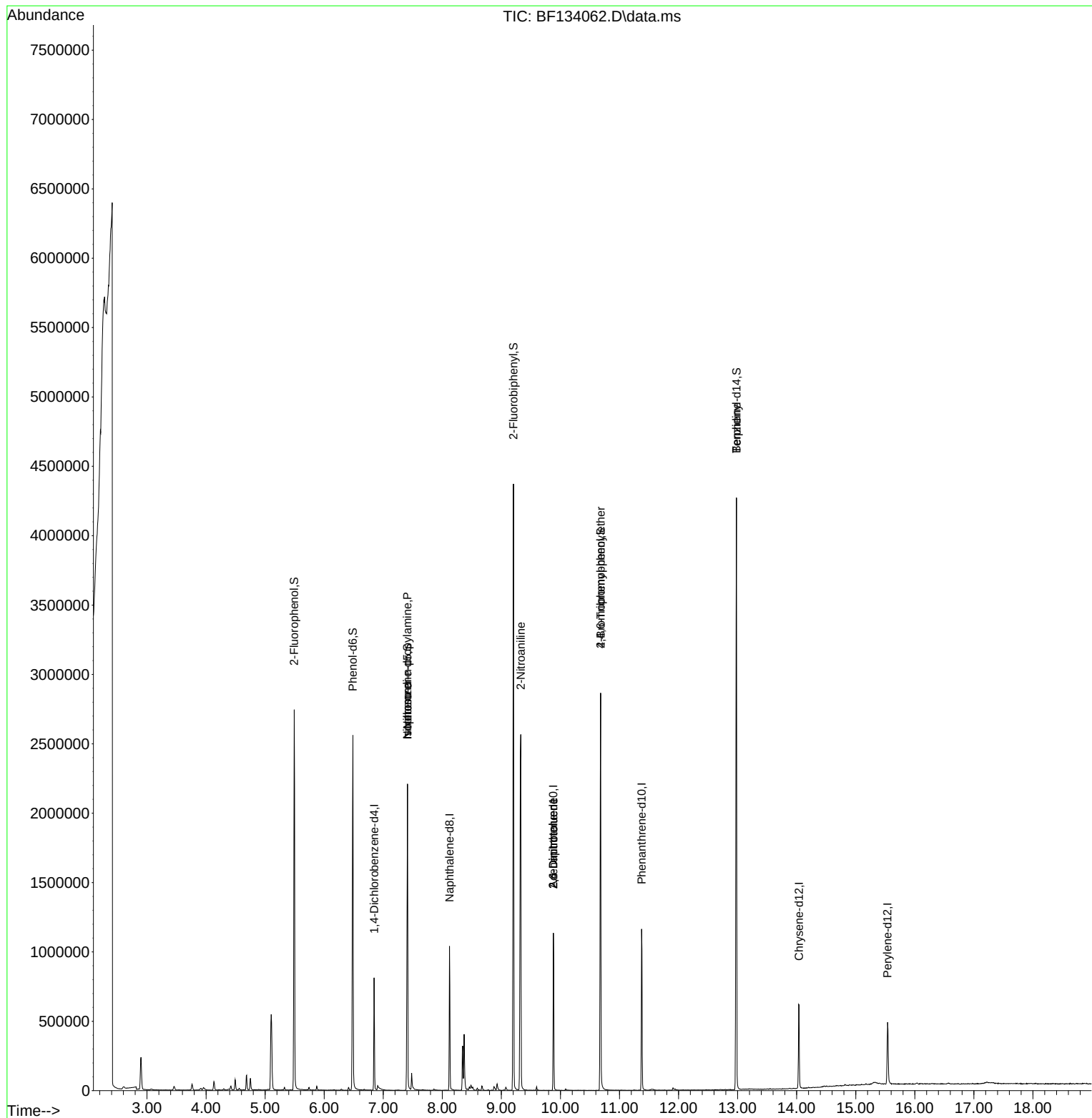
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	109609	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	424831	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	215669	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	436119	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	229059	20.000	ng	-0.01
86) Perylene-d12	15.539	264	226677	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	738644	112.726	ng	0.00
7) Phenol-d6	6.486	99	795356	98.700	ng	0.00
23) Nitrobenzene-d5	7.410	82	677693	85.990	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	349994	129.433	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1247545	84.101	ng	0.00
79) Terphenyl-d14	12.980	244	1535907	107.916	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	710	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.410	70	95834	18.753	ng	# 79
25) Isophorone	7.410	82	677686	47.314	ng	# 64
48) 2-Nitroaniline	9.327	65	31013	6.723	ng	# 15
51) 2,6-Dinitrotoluene	9.880	165	27692	8.213	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	27692	6.219	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	21457	4.629	ng	# 1
77) Benzidine	12.980	184	22178	4.069	ng	# 94

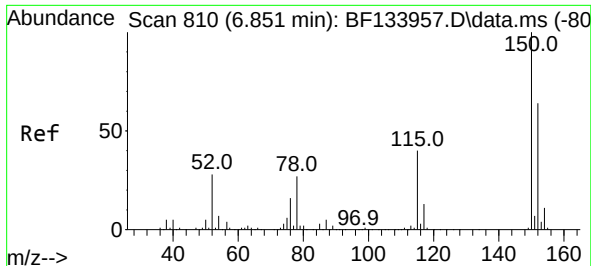
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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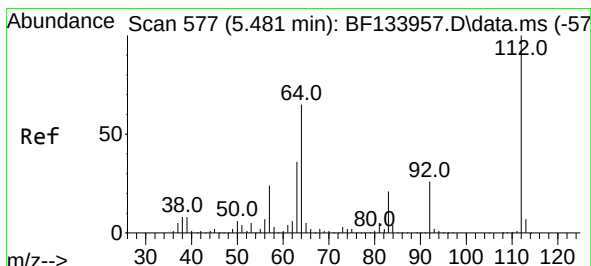
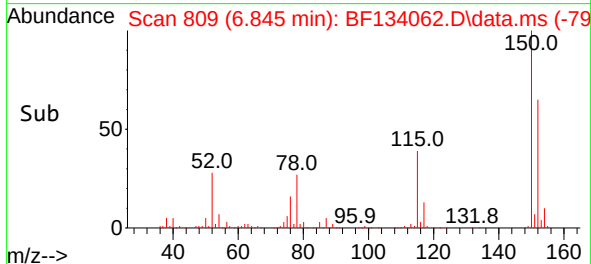
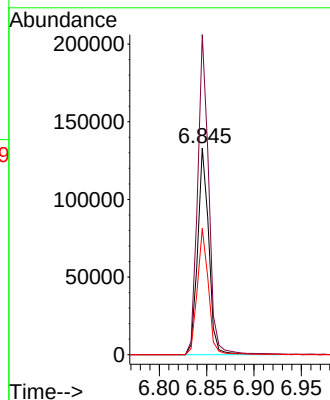
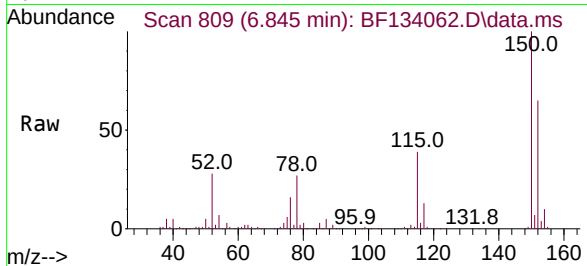




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

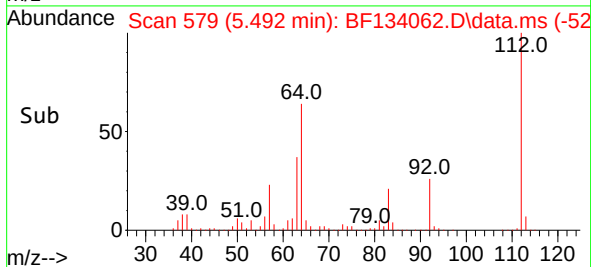
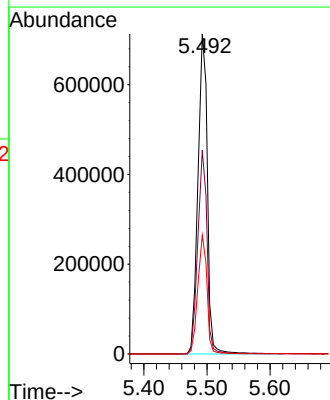
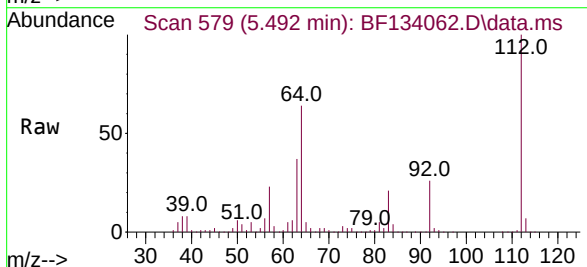
Instrument :
BNA_F
ClientSampleId :
CE-88N-062023

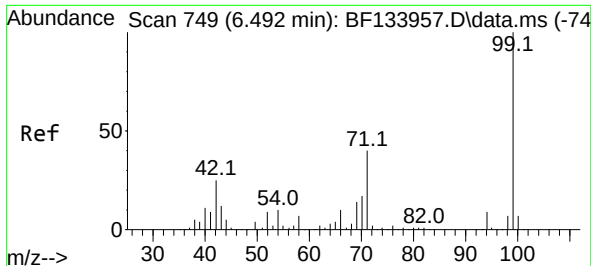
Tgt Ion:152 Resp: 109609
Ion Ratio Lower Upper
152 100
150 154.8 124.5 186.7
115 61.0 50.2 75.2



#5
2-Fluorophenol
Concen: 112.726 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion:112 Resp: 738644
Ion Ratio Lower Upper
112 100
64 63.6 52.1 78.1
63 37.1 28.6 42.8





#7

Phenol-d6

Concen: 98.700 ng

RT: 6.486 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134062.D

Acq: 30 Jun 2023 20:40

Instrument :

BNA_F

ClientSampleId :

CE-88N-062023

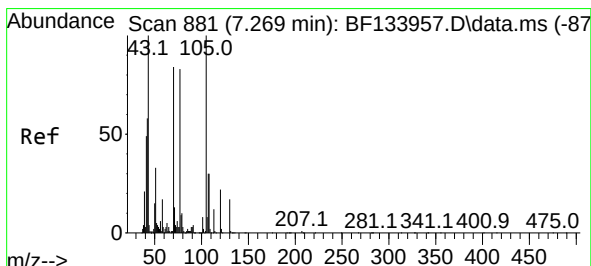
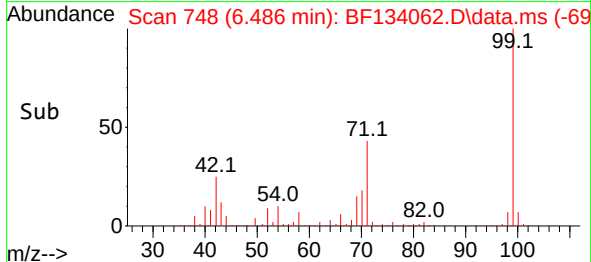
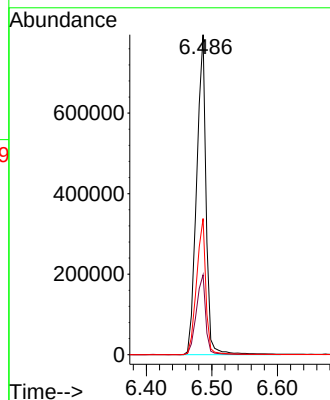
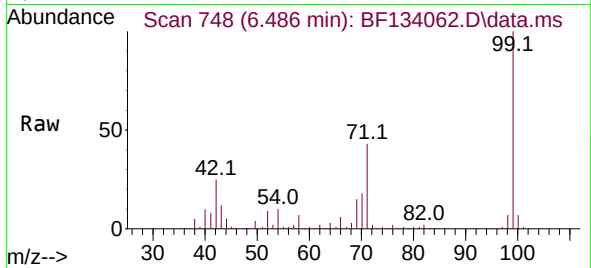
Tgt Ion: 99 Resp: 795356

Ion Ratio Lower Upper

99 100

42 25.0 19.8 29.6

71 42.5 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 18.753 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.141 min

Lab File: BF134062.D

Acq: 30 Jun 2023 20:40

Tgt Ion: 70 Resp: 95834

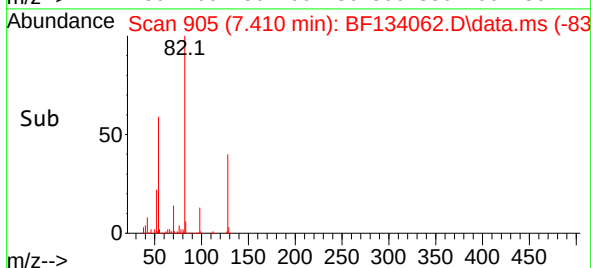
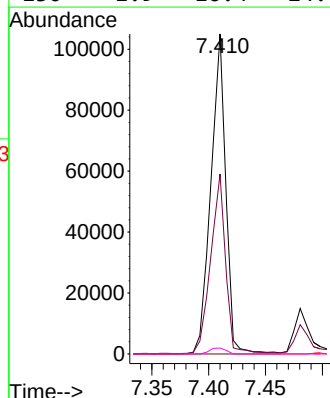
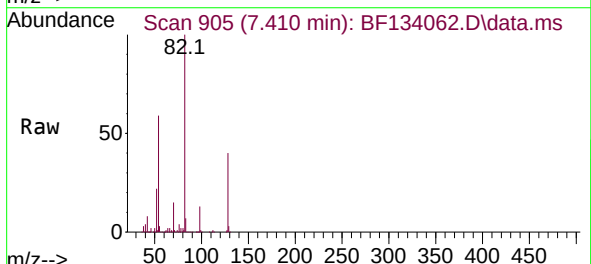
Ion Ratio Lower Upper

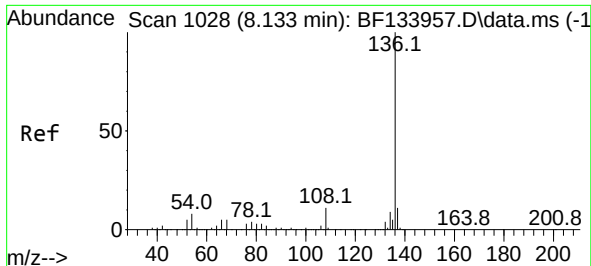
70 100

42 56.2 54.7 82.1

101 0.0 7.7 11.5#

130 1.9 16.4 24.6#

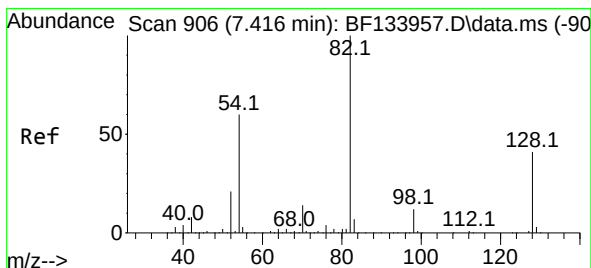
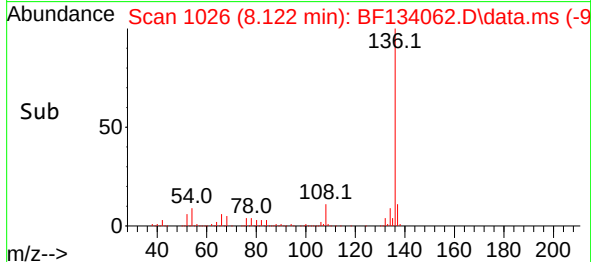
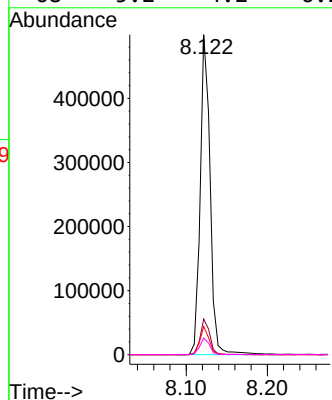
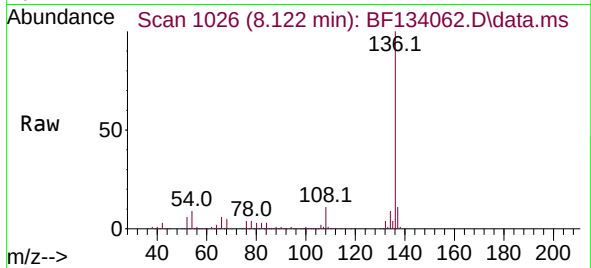




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

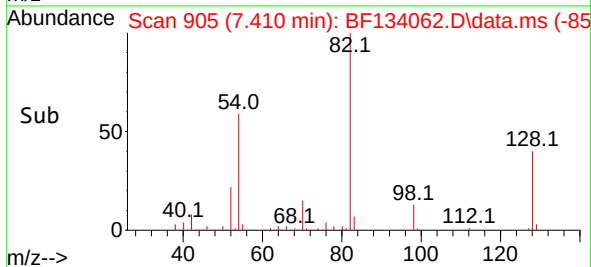
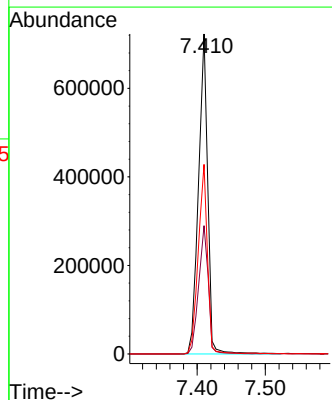
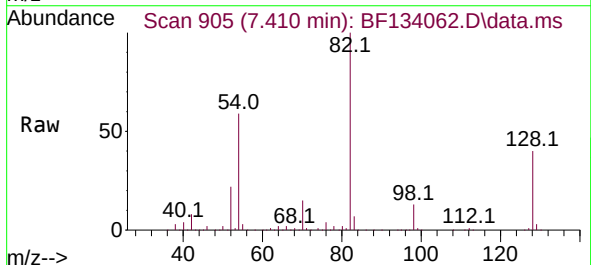
Instrument :
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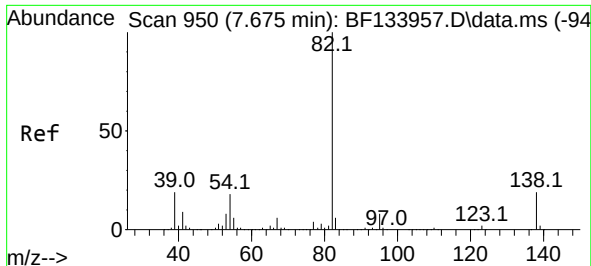
Tgt Ion:136 Resp: 424831
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.8 6.5 9.7
68 5.2 4.2 6.2



#23
Nitrobenzene-d5
Concen: 85.990 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion: 82 Resp: 677693
Ion Ratio Lower Upper
82 100
128 40.1 32.5 48.7
54 59.3 48.2 72.2

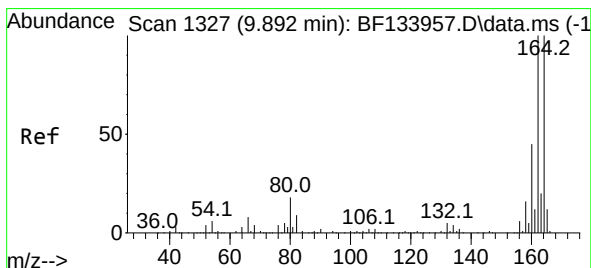
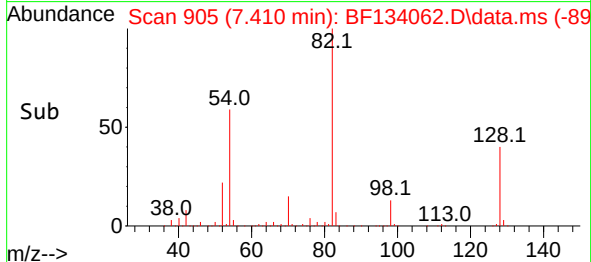
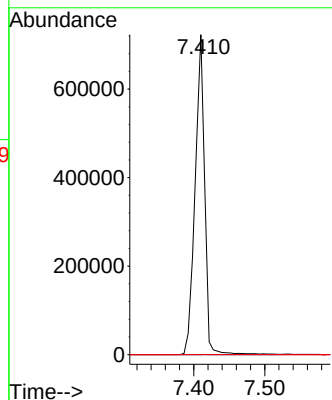
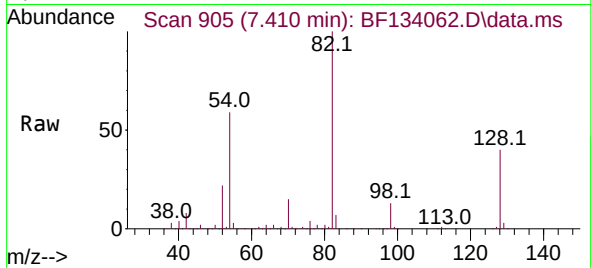




#25
Isophorone
Concen: 47.314 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

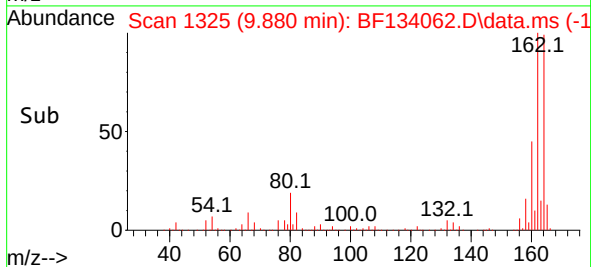
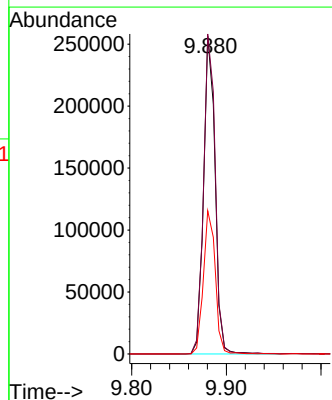
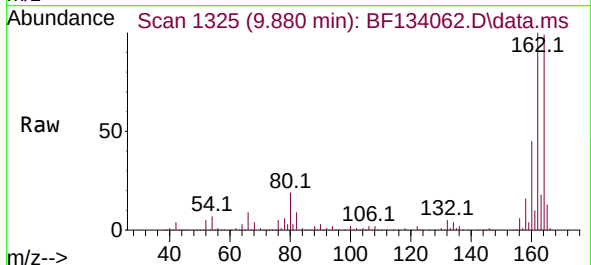
Instrument :
BNA_F
ClientSampleId :
CE-88N-062023

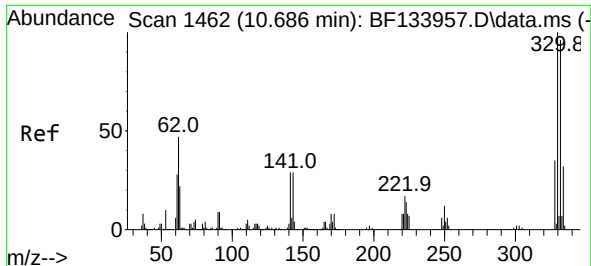
Tgt Ion: 82 Resp: 677686
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion: 164 Resp: 215669
Ion Ratio Lower Upper
164 100
162 100.7 80.0 120.0
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 129.433 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF134062.D

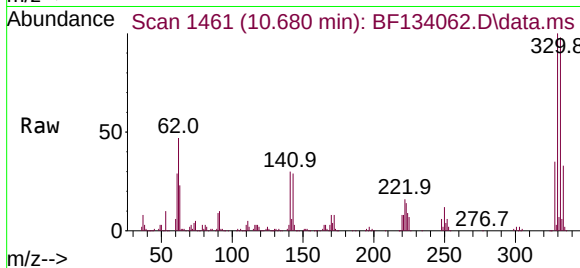
Acq: 30 Jun 2023 20:40

Instrument :

BNA_F

ClientSampleId :

CE-88N-062023



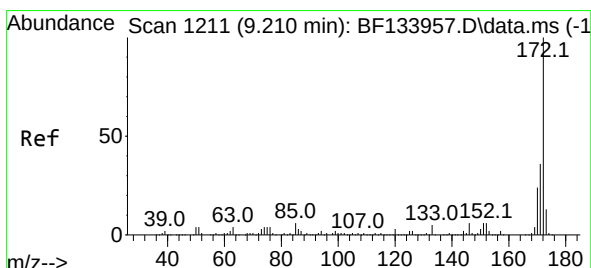
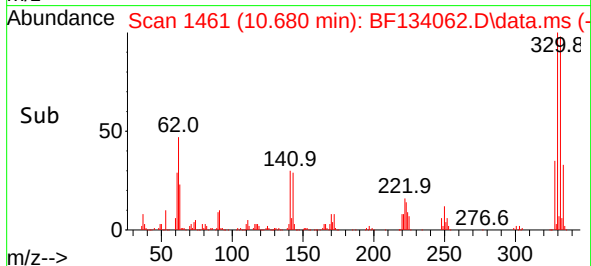
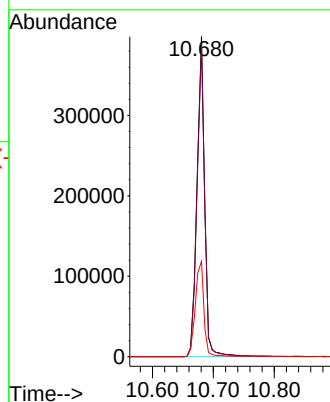
Tgt Ion:330 Resp: 349994

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

141 33.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 84.101 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134062.D

Acq: 30 Jun 2023 20:40

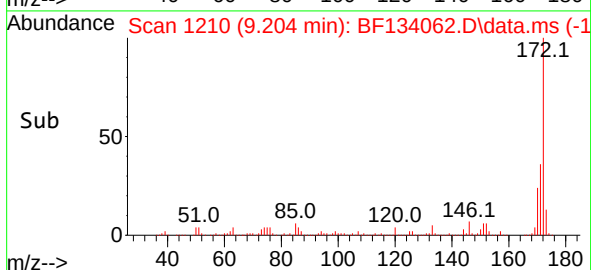
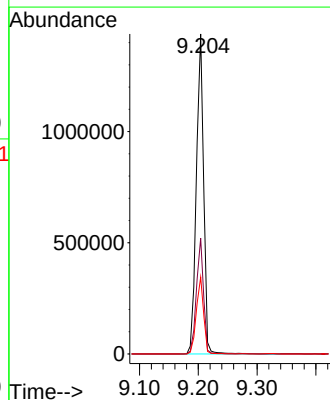
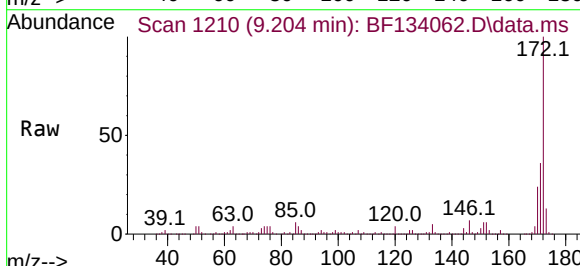
Tgt Ion:172 Resp: 1247545

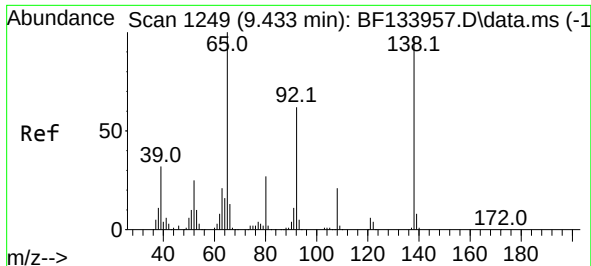
Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

170 24.0 19.4 29.0

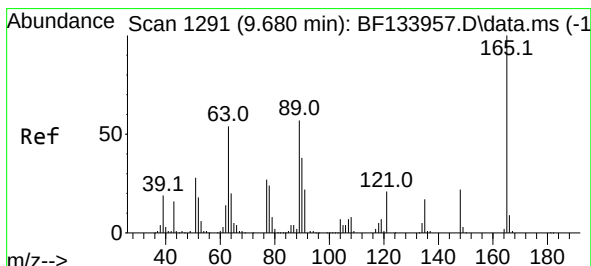
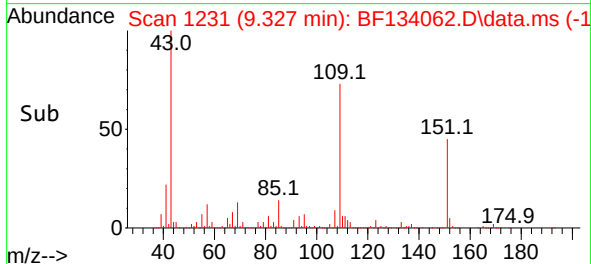
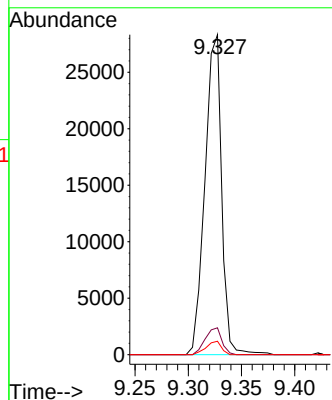
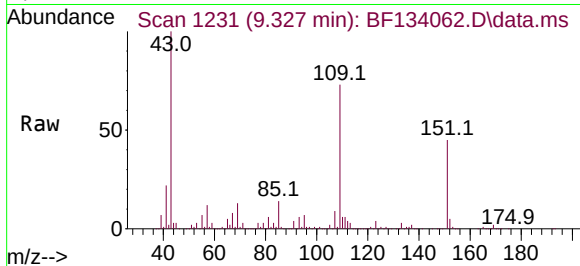




#48
2-Nitroaniline
Concen: 6.723 ng
RT: 9.327 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

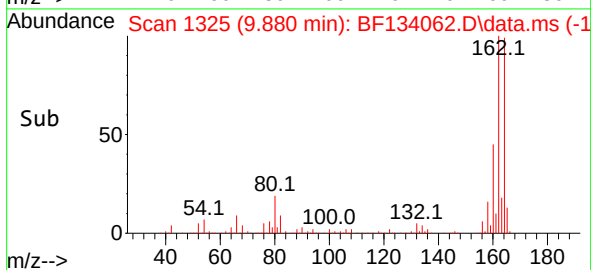
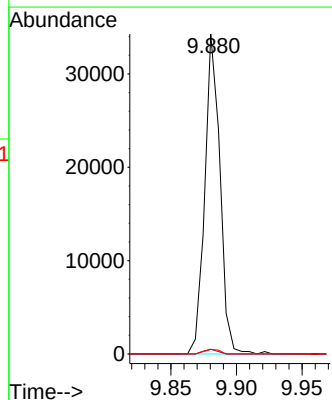
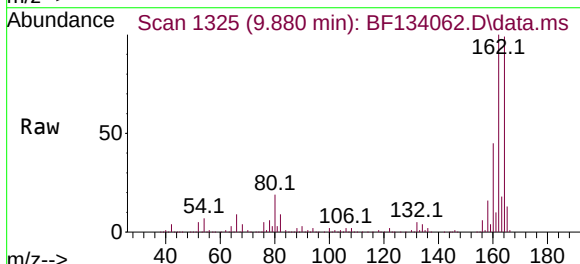
Instrument :
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CE-88N-062023

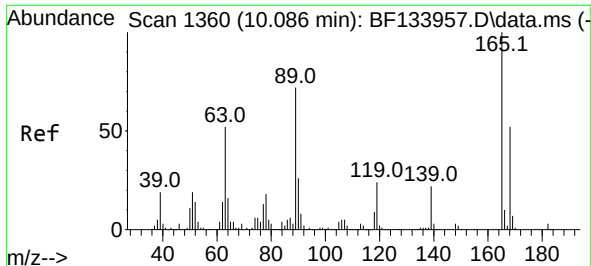
Tgt Ion: 65 Resp: 31013
Ion Ratio Lower Upper
65 100
92 8.4 49.5 74.3#
138 4.2 78.0 117.0#



#51
2,6-Dinitrotoluene
Concen: 8.213 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion:165 Resp: 27692
Ion Ratio Lower Upper
165 100
63 1.5 48.5 72.7#
89 1.4 45.5 68.3#

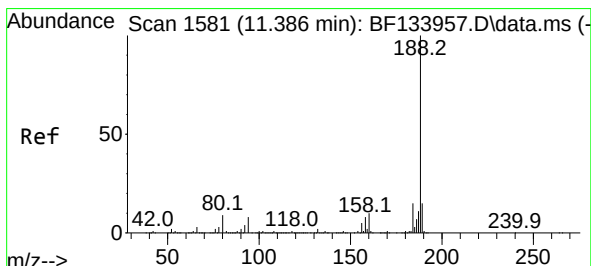
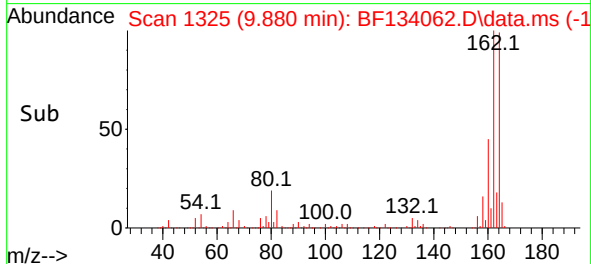
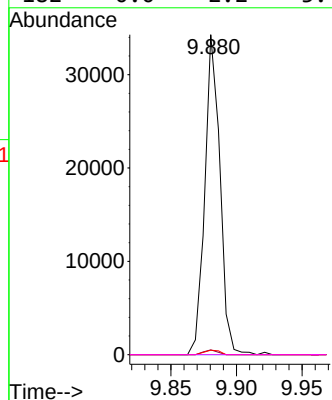
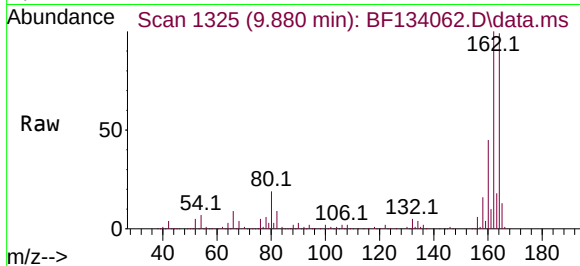




#57
2,4-Dinitrotoluene
Concen: 6.219 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

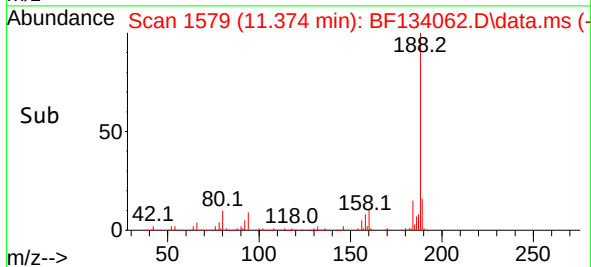
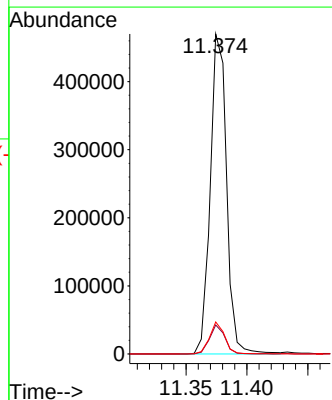
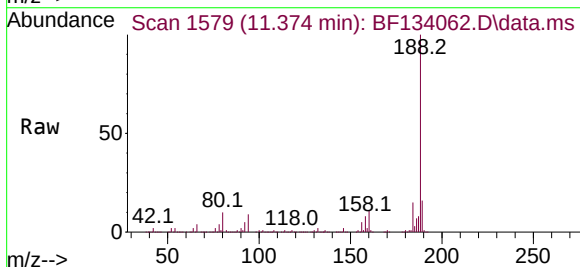
Instrument :
BNA_F
ClientSampleId :
CE-88N-062023

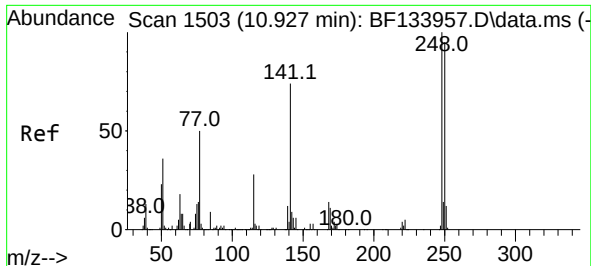
Tgt Ion:165 Resp: 27692
Ion Ratio Lower Upper
165 100
63 1.5 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion:188 Resp: 436119
Ion Ratio Lower Upper
188 100
94 9.0 6.4 9.6
80 10.0 7.3 10.9

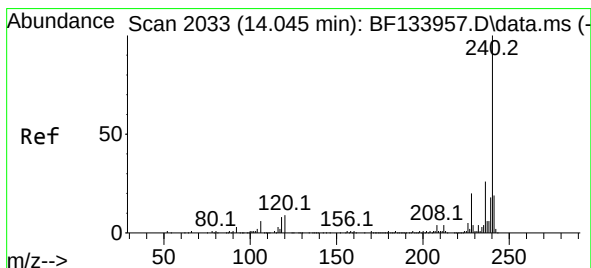
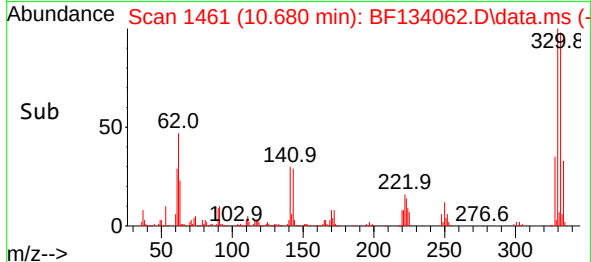
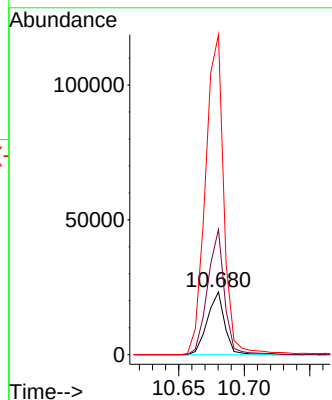
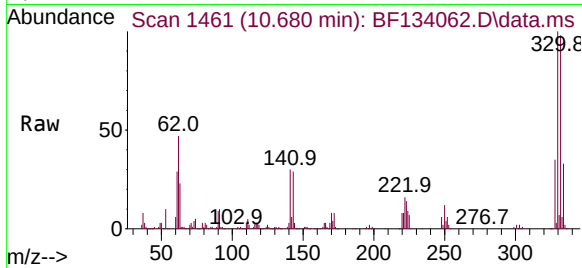




#67
4-Bromophenyl-phenylether
Concen: 4.629 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

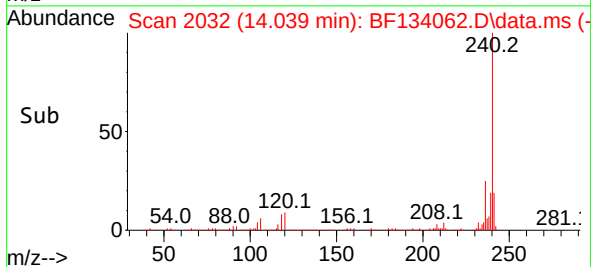
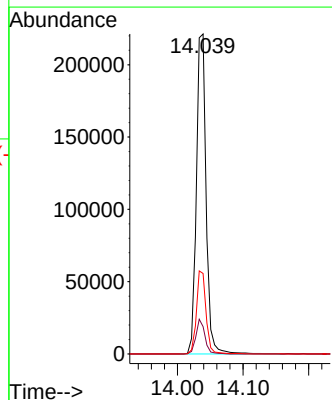
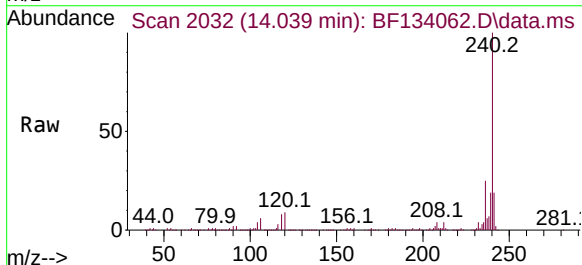
Instrument :
BNA_F
ClientSampleId :
CE-88N-062023

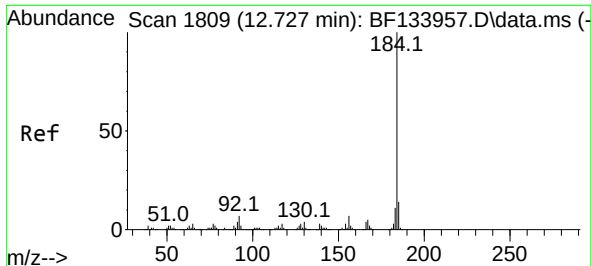
Tgt Ion:248 Resp: 21457
Ion Ratio Lower Upper
248 100
250 199.7 76.2 114.4#
141 510.7 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion:240 Resp: 229059
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 25.2 21.0 31.6

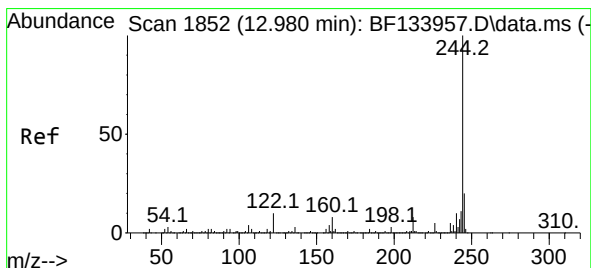
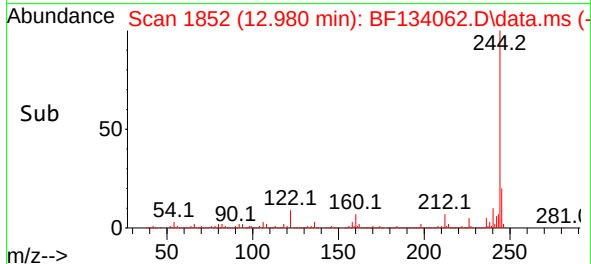
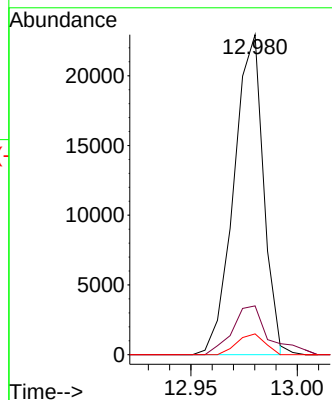
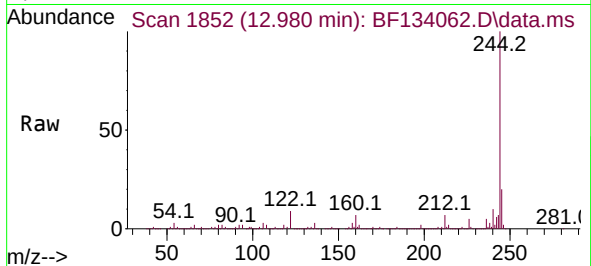




#77
Benzidine
Concen: 4.069 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.253 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

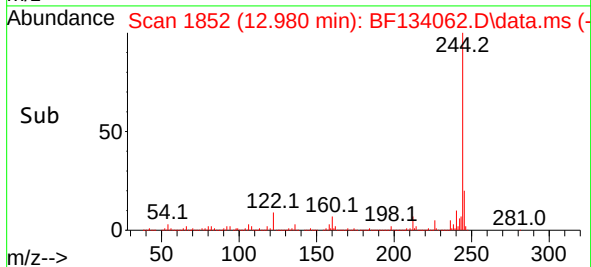
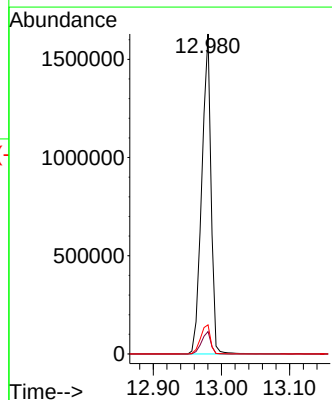
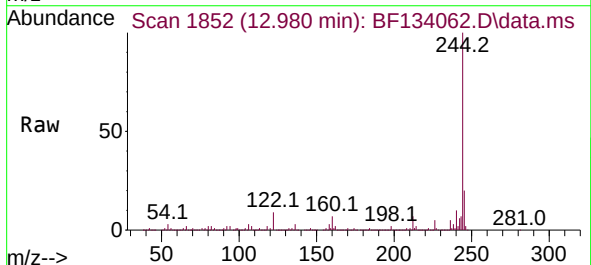
Instrument :
BNA_F
ClientSampleId :
CE-88N-062023

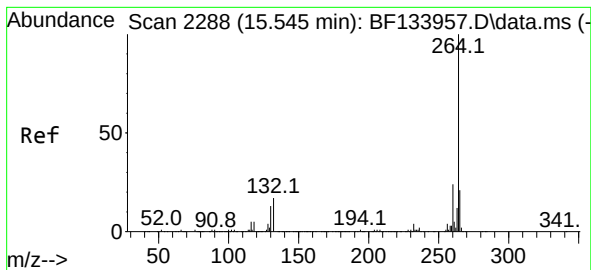
Tgt Ion:184 Resp: 22178
Ion Ratio Lower Upper
184 100
185 15.3 11.6 17.4
183 6.5 8.8 13.2#



#79
Terphenyl-d14
Concen: 107.916 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF134062.D
Acq: 30 Jun 2023 20:40

Tgt Ion:244 Resp: 1535907
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 9.1 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: BF134062.D
Acq: 30 Jun 2023 20:40

Instrument :
BNA_F
ClientSampleId :
CE-88N-062023

Tgt Ion:264 Resp: 226677

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.9	16.6	25.0

