

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133543.D
 Acq On : 31 May 2023 17:17
 Operator : CG\JU
 Sample : 02981-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: May 31 18:13:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

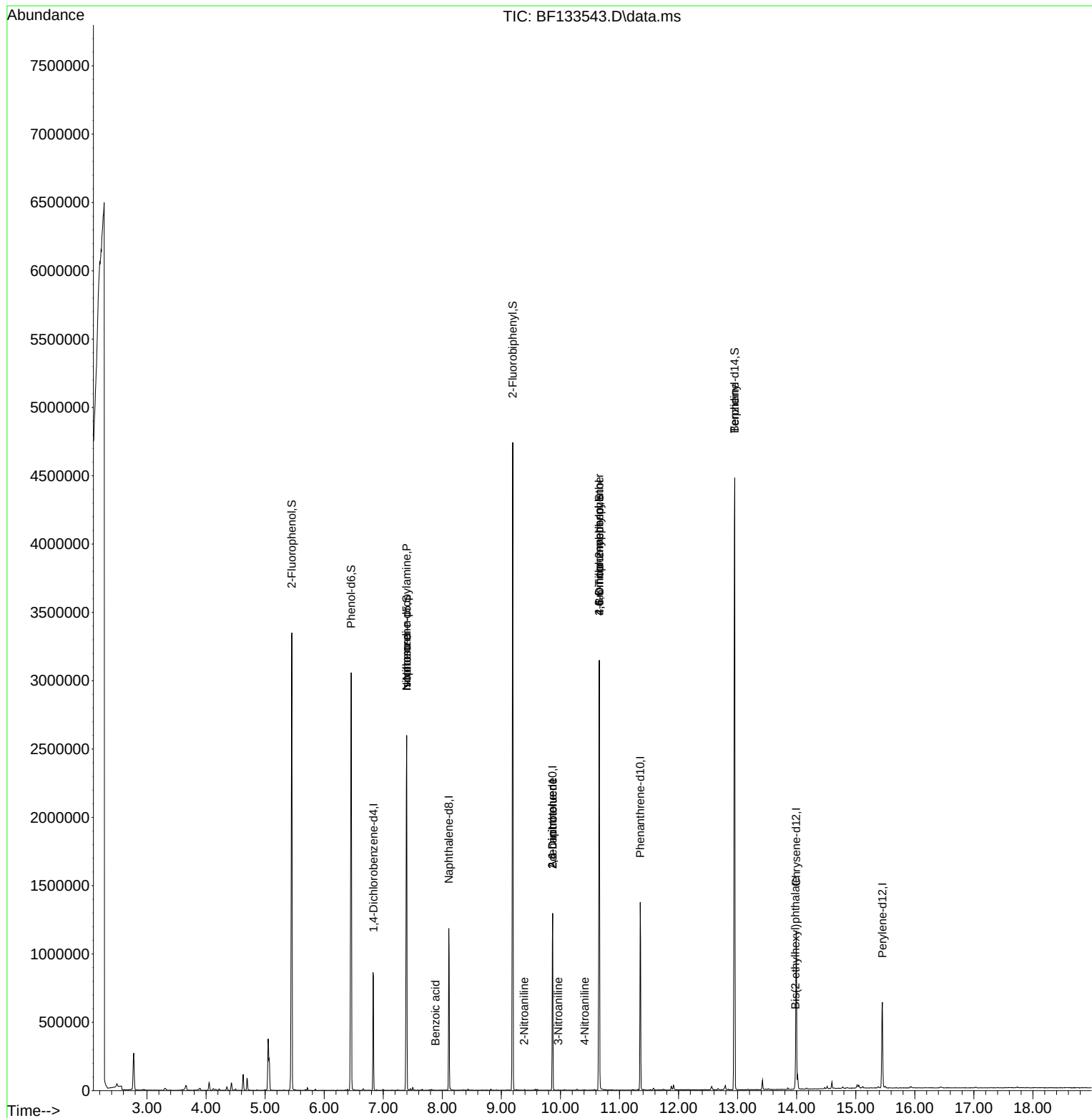
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	124413	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	484133	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	245028	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	483156	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	350059	20.000	ng	-0.01
86) Perylene-d12	15.451	264	284603	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	932306	125.029	ng	0.01
7) Phenol-d6	6.457	99	1074271	117.032	ng	0.00
23) Nitrobenzene-d5	7.398	82	792754	109.332	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	382652	156.665	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1416284	89.212	ng	0.00
79) Terphenyl-d14	12.951	244	1775346	90.172	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.381	77	104	Below Cal	#	37
19) n-Nitroso-di-n-propyla...	7.398	70	108430	18.257	ng	# 78
25) Isophorone	7.398	82	792748	46.911	ng	# 65
32) Benzoic acid	7.886	122	55	7.359	ng	# 1
48) 2-Nitroaniline	9.386	65	140	4.018	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	31646	12.606	ng	# 18
53) 3-Nitroaniline	9.963	138	133	3.210	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	31646	11.763	ng	# 15
62) 4-Nitroaniline	10.410	138	279	3.048	ng	# 95
65) 4,6-Dinitro-2-methylph...	10.657	198	730	9.014	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	23036	4.489	ng	# 1
77) Benzidine	12.951	184	24166	2.360	ng	# 93
84) Bis(2-ethylhexyl)phtha...	13.980	149	32196	2.185	ng	# 96

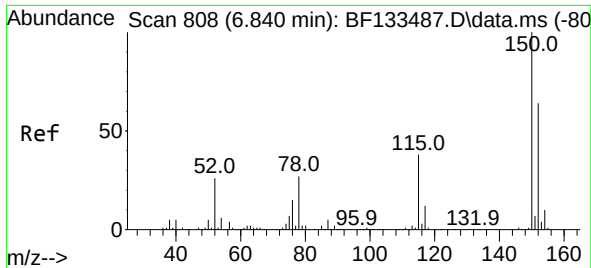
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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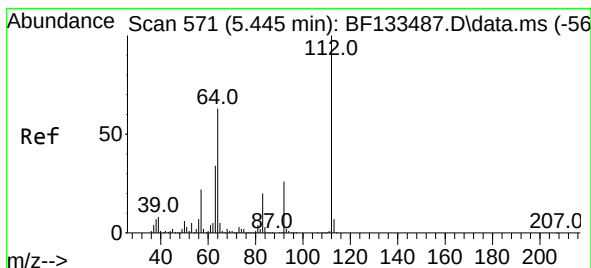
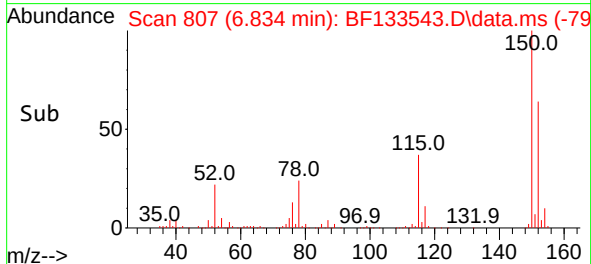
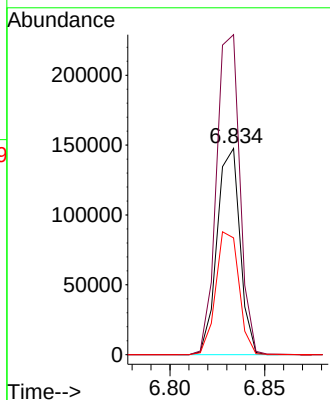
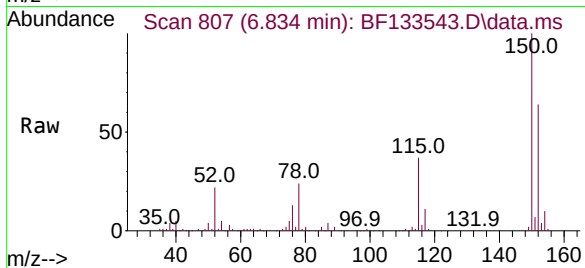




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

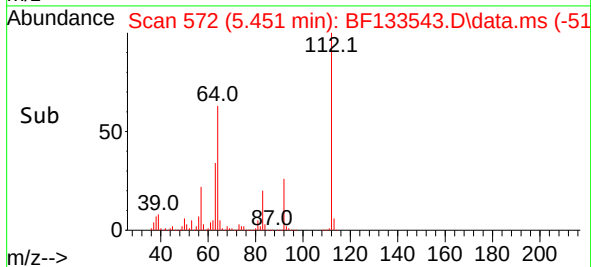
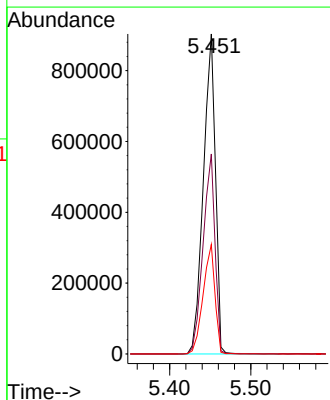
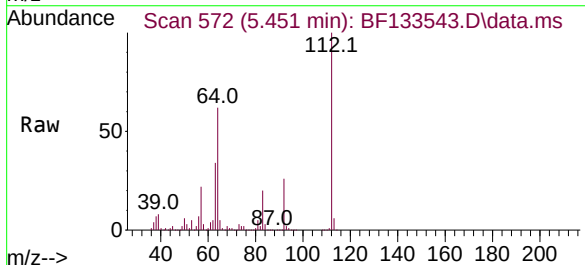
Instrument :
BNA_F
ClientSampleId :
TP-3

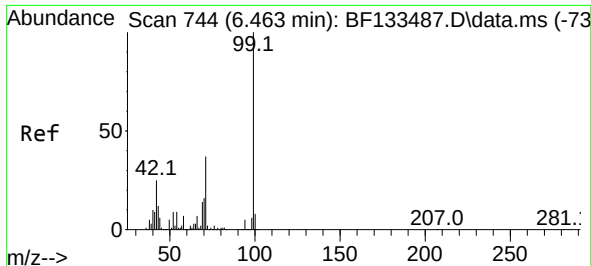
Tgt Ion:152 Resp: 124413
Ion Ratio Lower Upper
152 100
150 155.1 124.9 187.3
115 56.7 48.1 72.1



#5
2-Fluorophenol
Concen: 125.029 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Tgt Ion:112 Resp: 932306
Ion Ratio Lower Upper
112 100
64 62.5 50.1 75.1
63 34.2 27.5 41.3





#7

Phenol-d6

Concen: 117.032 ng

RT: 6.457 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

Instrument :

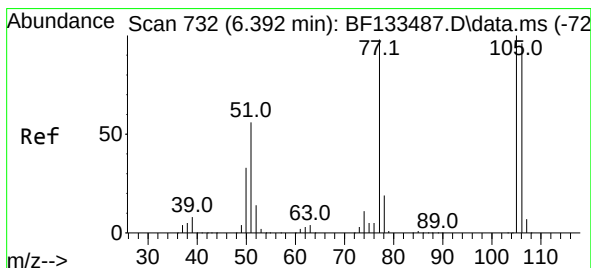
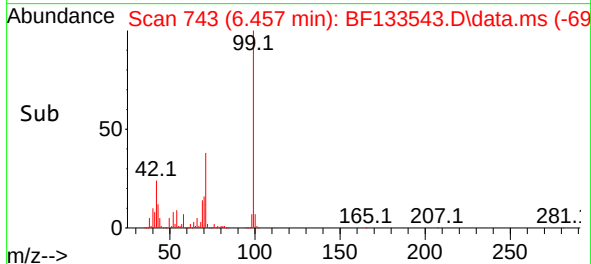
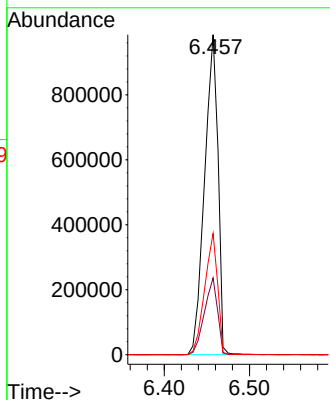
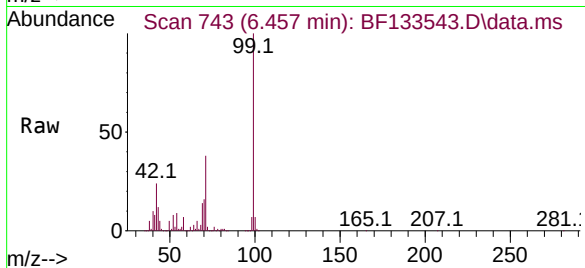
BNA_F

ClientSampleId :

TP-3

Tgt Ion: 99 Resp: 1074271

Ion	Ratio	Lower	Upper
99	100		
42	24.0	19.7	29.5
71	37.9	29.8	44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.381 min Scan# 730

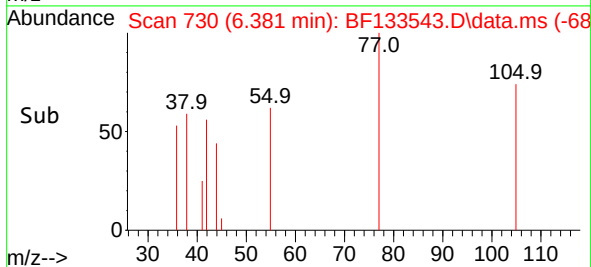
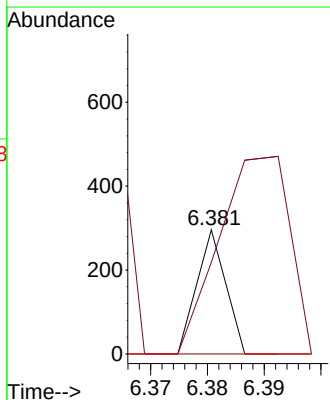
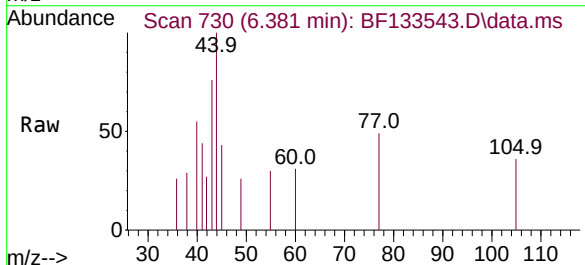
Delta R.T. -0.006 min

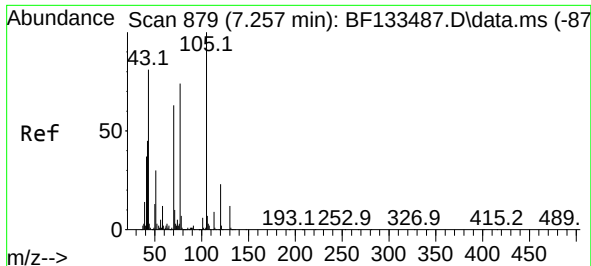
Lab File: BF133543.D

Acq: 31 May 2023 17:17

Tgt Ion: 77 Resp: 104

Ion	Ratio	Lower	Upper
77	100		
105	73.6	81.9	121.9#
106	0.0	77.8	117.8#

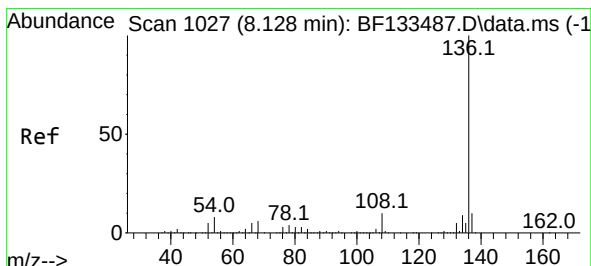
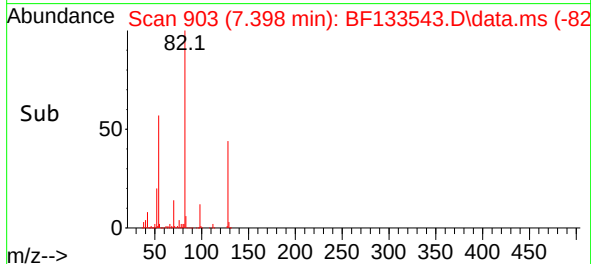
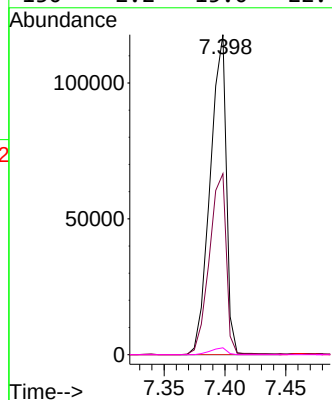
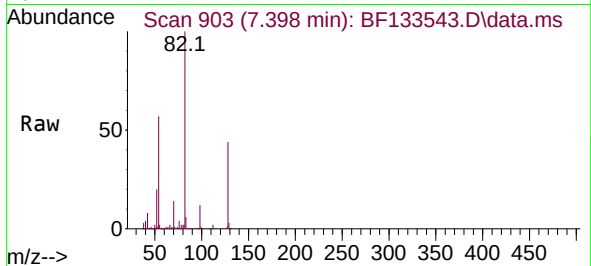




#19
n-Nitroso-di-n-propylamine
Concen: 18.257 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

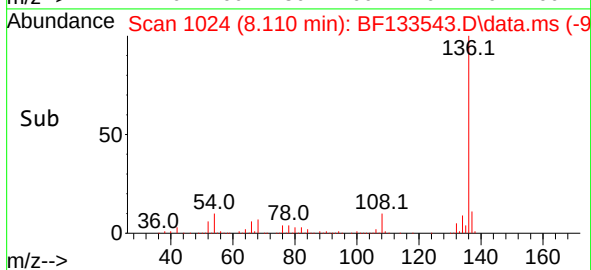
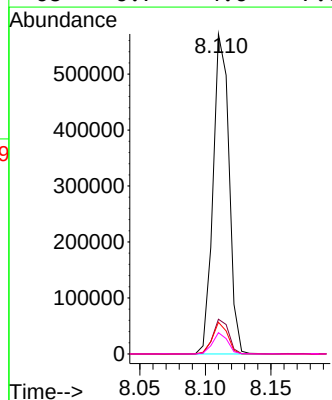
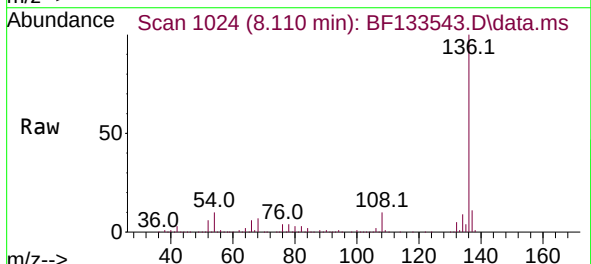
Instrument :
BNA_F
ClientSampleId :
TP-3

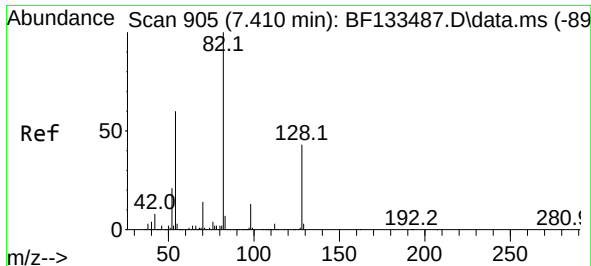
Tgt Ion: 70 Resp: 108430
Ion Ratio Lower Upper
70 100
42 56.5 57.2 85.8#
101 0.0 7.3 10.9#
130 2.2 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Tgt Ion: 136 Resp: 484133
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 9.9 6.6 10.0
68 6.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 109.332 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

Instrument :

BNA_F

ClientSampleId :

TP-3

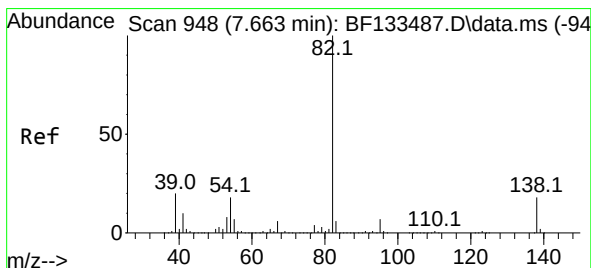
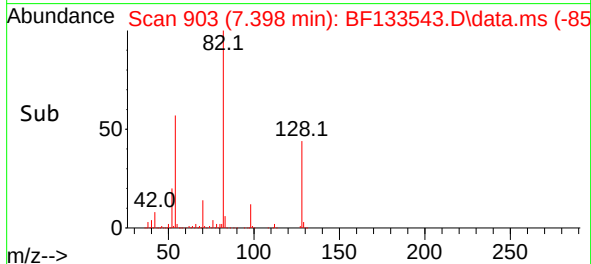
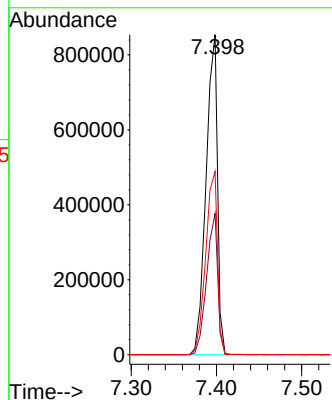
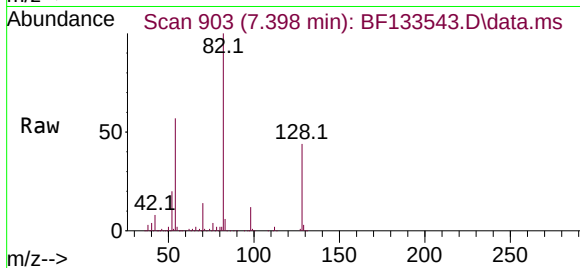
Tgt Ion: 82 Resp: 792754

Ion Ratio Lower Upper

82 100

128 44.1 34.2 51.4

54 57.3 48.2 72.4



#25

Isophorone

Concen: 46.911 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

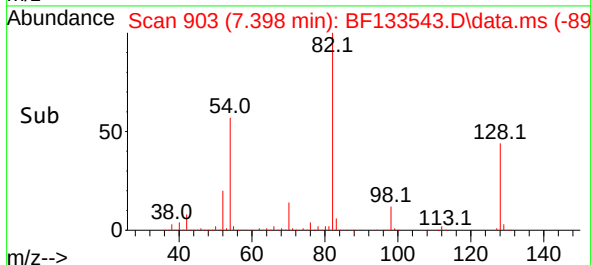
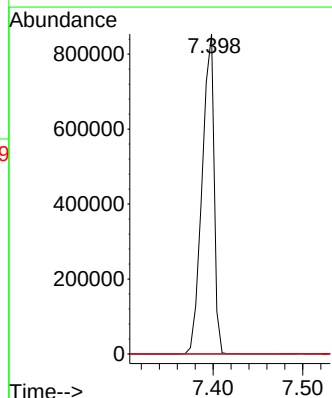
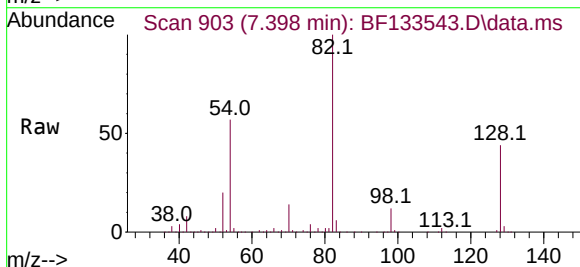
Tgt Ion: 82 Resp: 792748

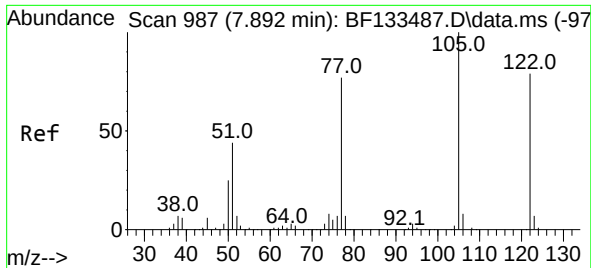
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

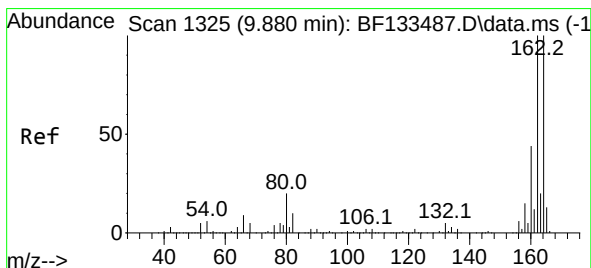
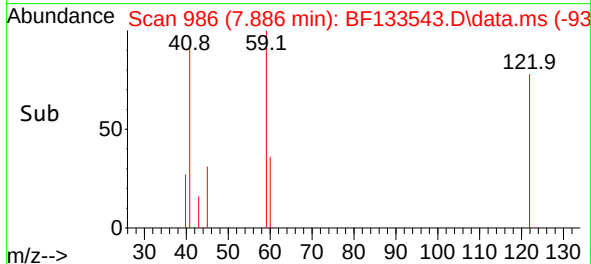
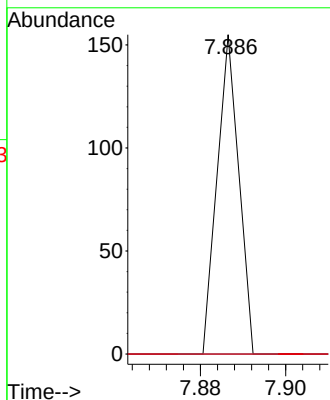
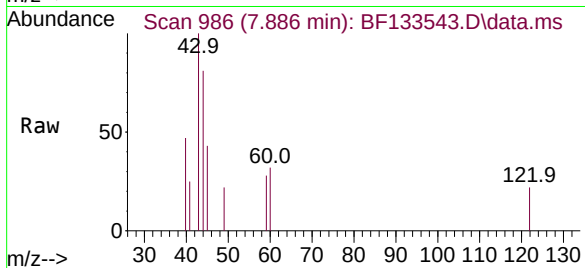




#32
Benzoic acid
Concen: 7.359 ng
RT: 7.886 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

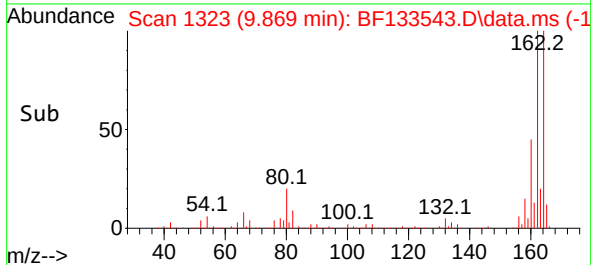
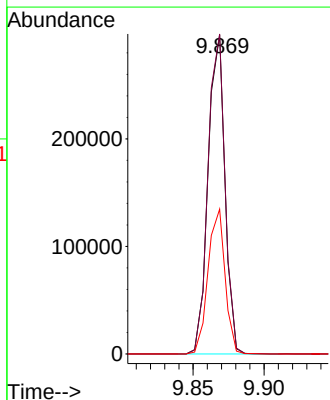
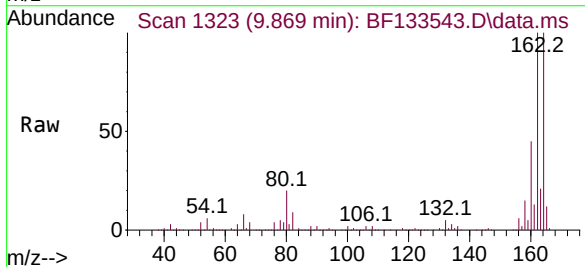
Instrument :
BNA_F
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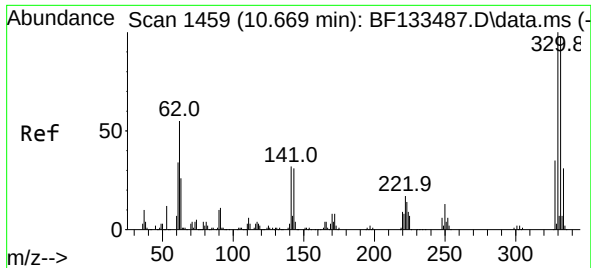
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Tgt Ion:164 Resp: 245028
Ion Ratio Lower Upper
164 100
162 100.3 79.7 119.5
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 156.665 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133543.D

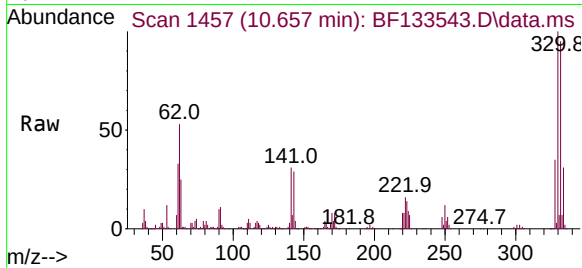
Acq: 31 May 2023 17:17

Instrument :

BNA_F

ClientSampleId :

TP-3



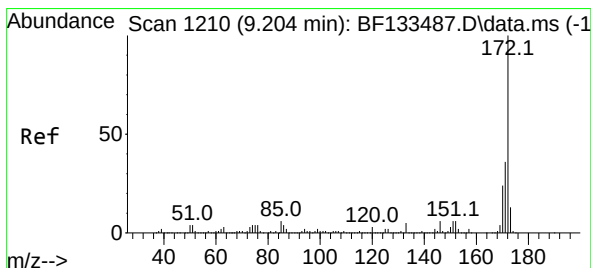
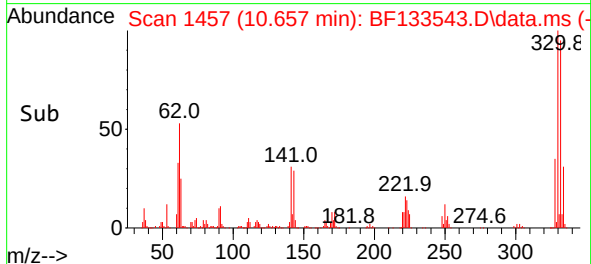
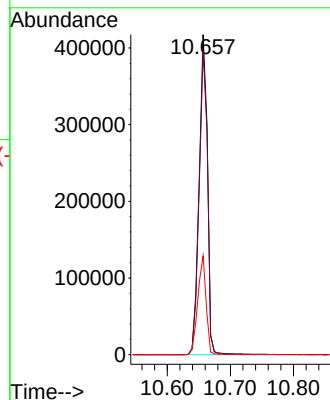
Tgt Ion:330 Resp: 382652

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

141 30.8 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 89.212 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

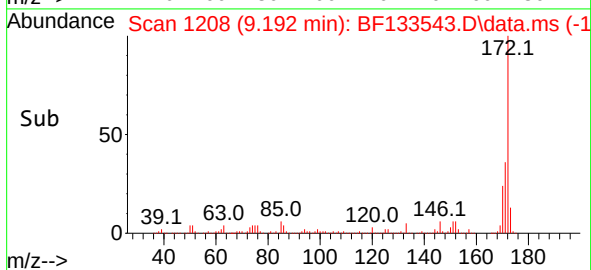
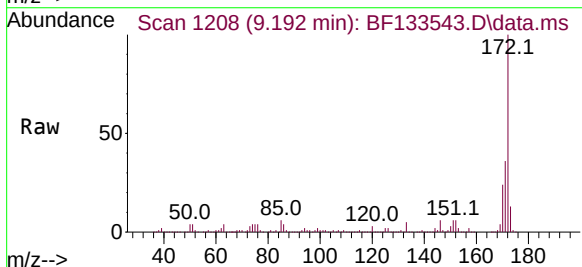
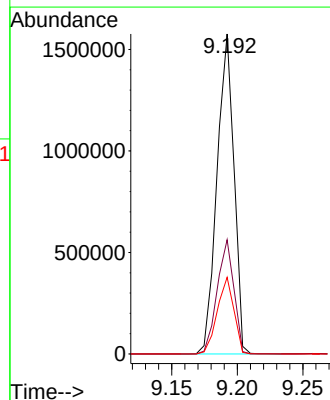
Tgt Ion:172 Resp: 1416284

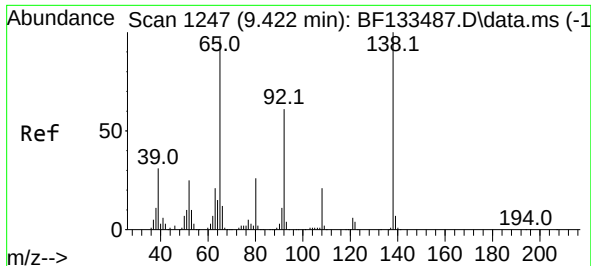
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.9 19.3 28.9

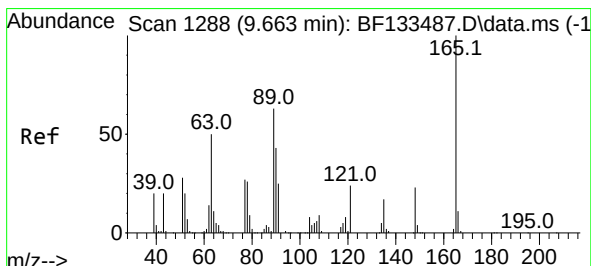
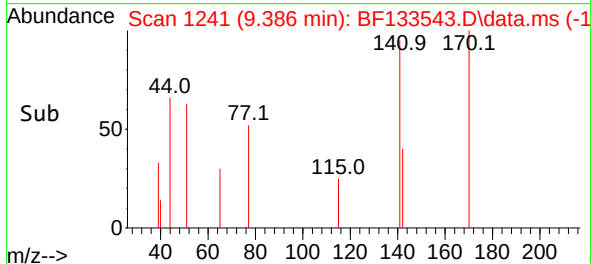
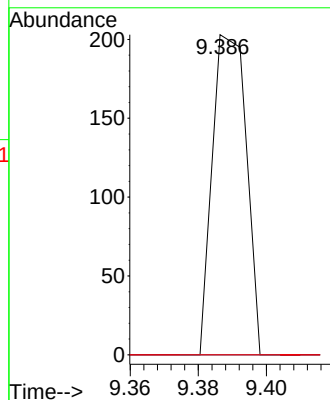
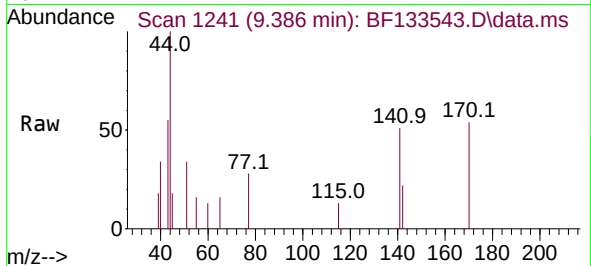




#48
2-Nitroaniline
Concen: 4.018 ng
RT: 9.386 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

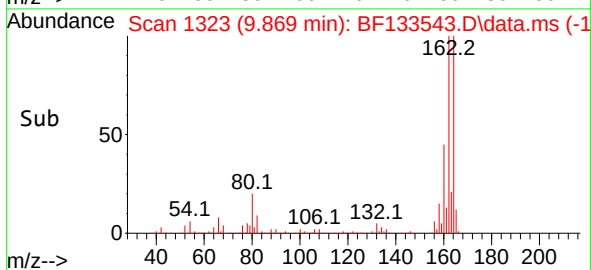
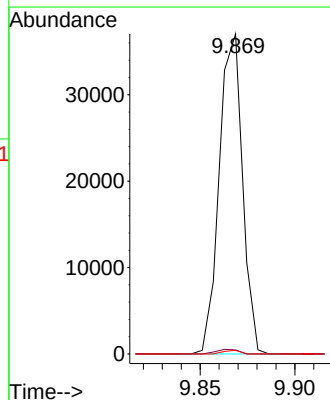
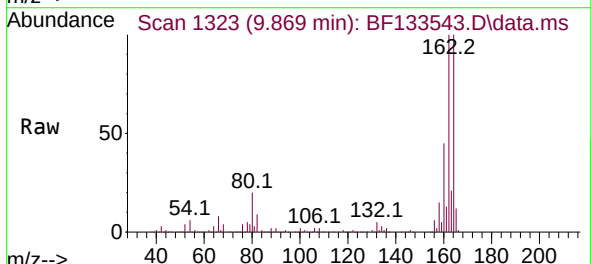
Instrument :
BNA_F
ClientSampleId :
TP-3

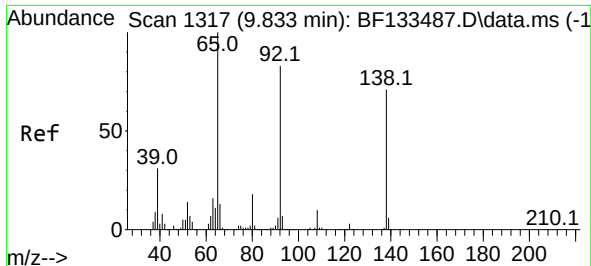
Tgt Ion: 65 Resp: 140
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.606 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Tgt Ion: 165 Resp: 31646
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.2 50.8 76.2#

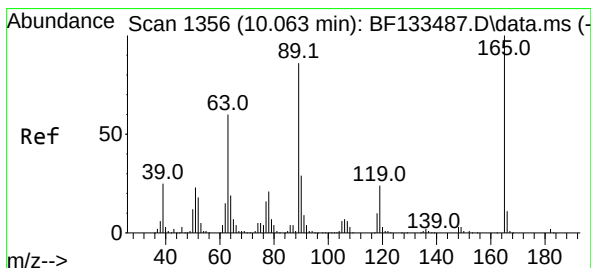
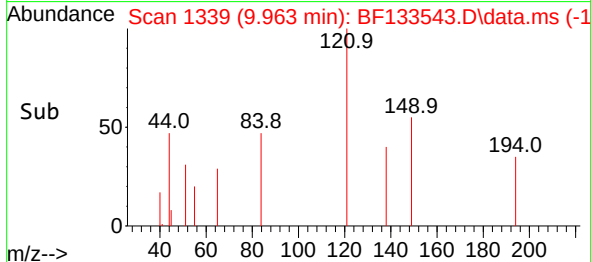
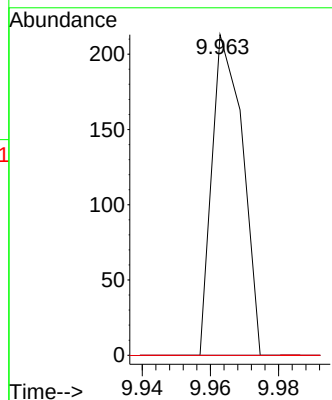
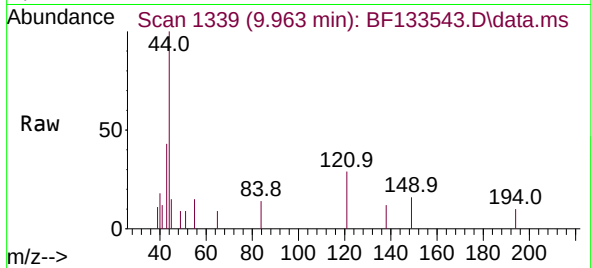




#53
3-Nitroaniline
Concen: 3.210 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.135 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

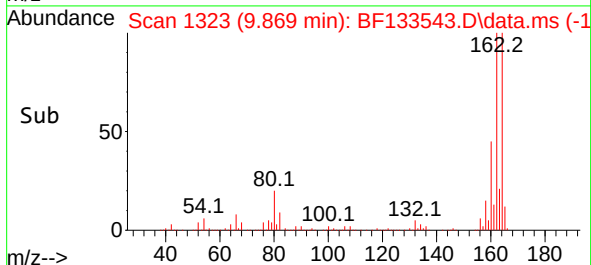
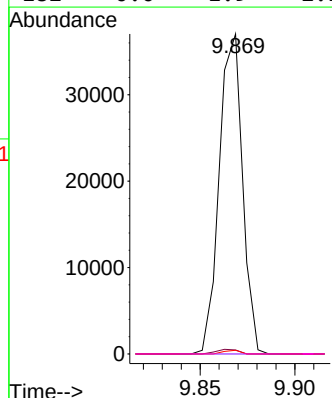
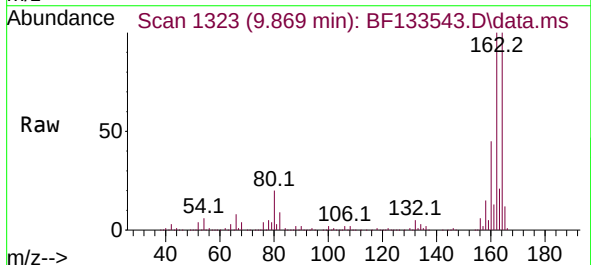
Instrument :
BNA_F
ClientSampleId :
TP-3

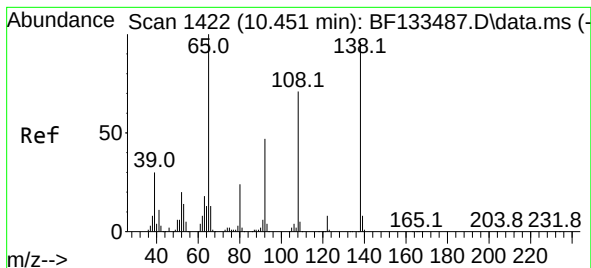
Tgt Ion:138 Resp: 133
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.763 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Tgt Ion:165 Resp: 31646
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.2 68.4 102.6#
182 0.0 1.9 2.9#

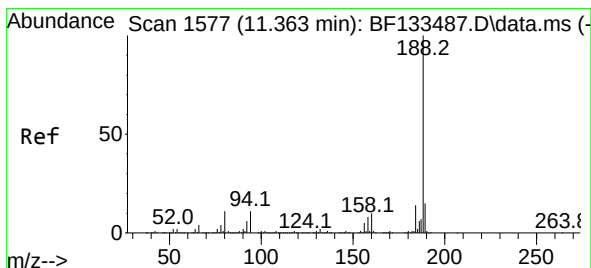
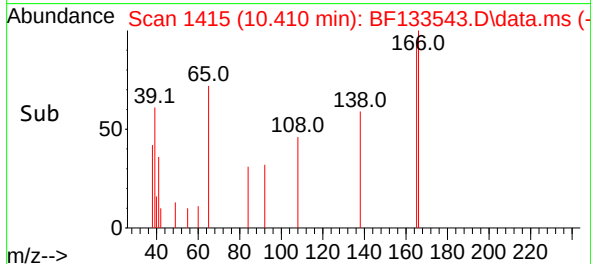
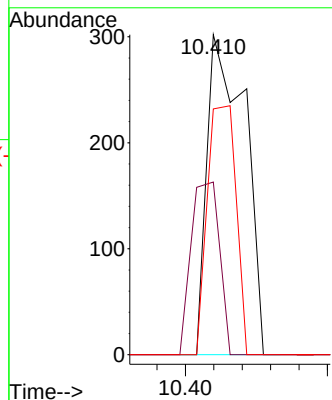
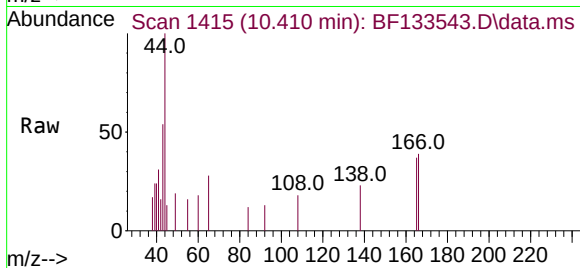




#62
4-Nitroaniline
Concen: 3.048 ng
RT: 10.410 min Scan# 1422
Delta R.T. -0.030 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

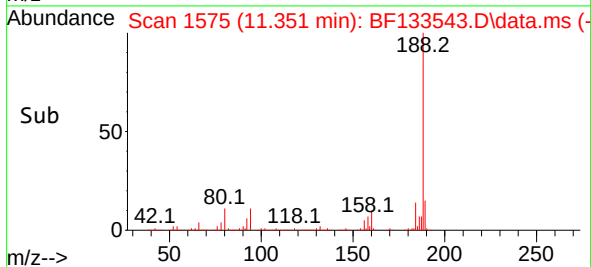
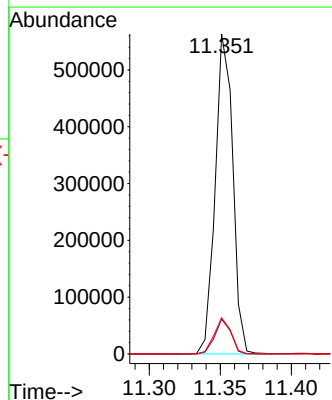
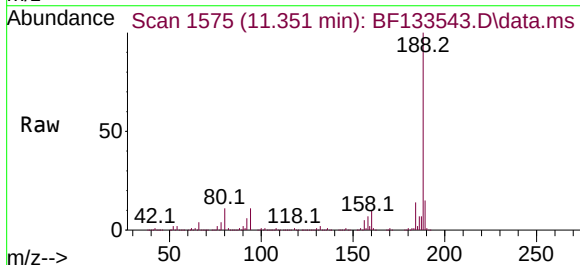
Instrument :
BNA_F
ClientSampleId :
TP-3

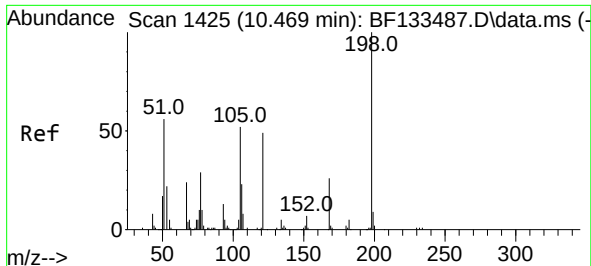
Tgt Ion:138 Resp: 279
Ion Ratio Lower Upper
138 100
92 54.0 28.4 68.4
108 76.8 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Tgt Ion:188 Resp: 483156
Ion Ratio Lower Upper
188 100
94 10.9 8.6 12.8
80 11.3 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 9.014 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

Instrument :

BNA_F

ClientSampleId :

TP-3

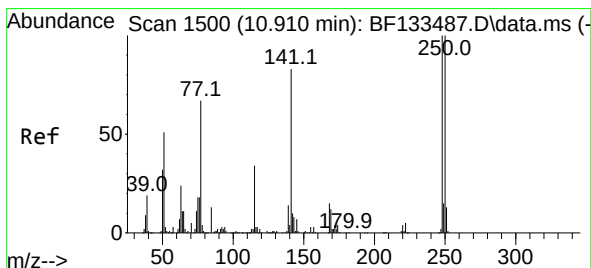
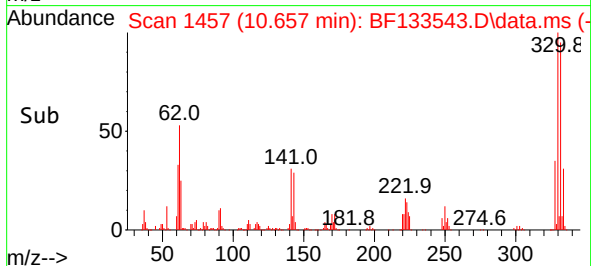
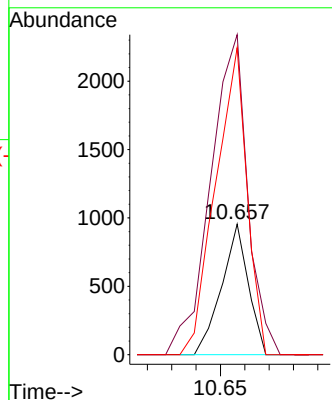
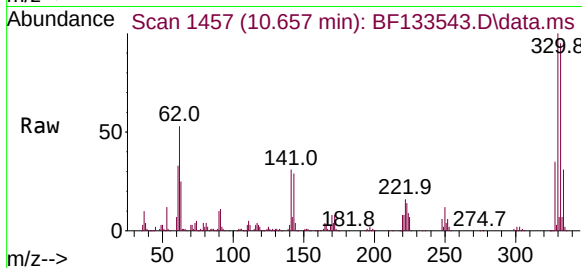
Tgt Ion:198 Resp: 730

Ion Ratio Lower Upper

198 100

51 245.0 53.6 93.6#

105 235.1 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 4.489 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

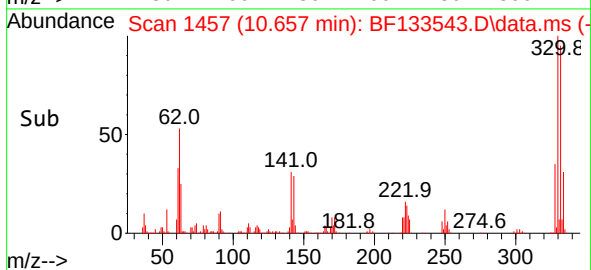
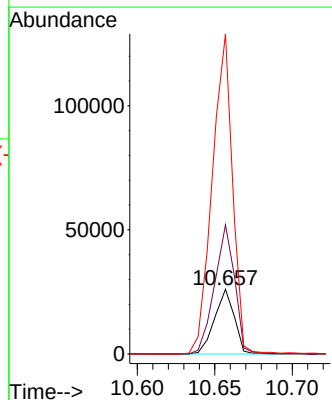
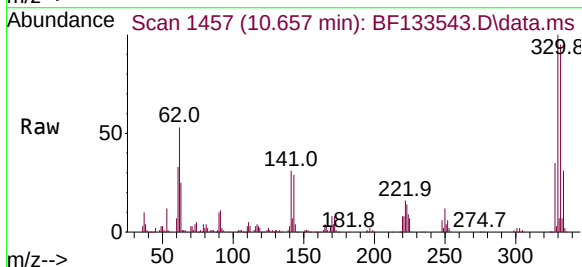
Tgt Ion:248 Resp: 23036

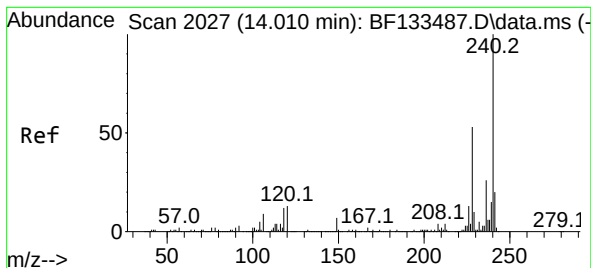
Ion Ratio Lower Upper

248 100

250 200.0 79.7 119.5#

141 495.4 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

Instrument :

BNA_F

ClientSampleId :

TP-3

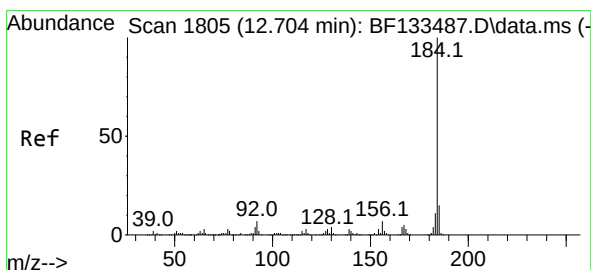
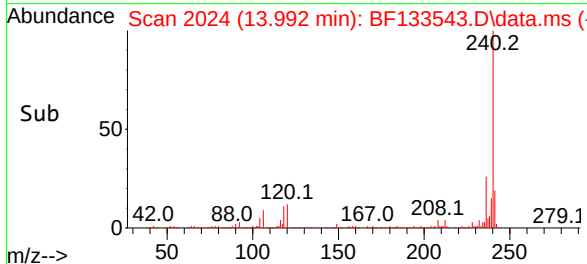
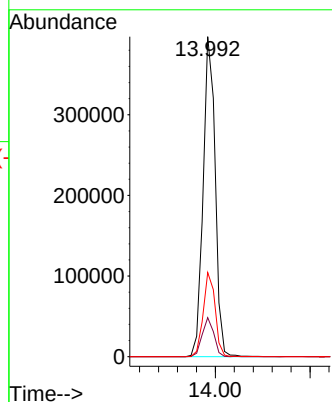
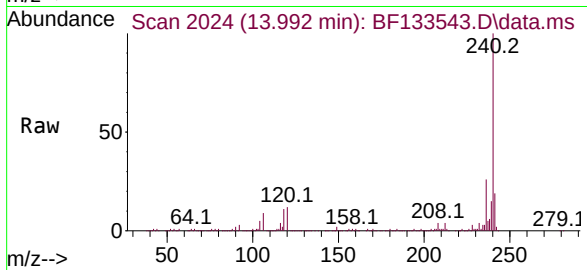
Tgt Ion:240 Resp: 350059

Ion Ratio Lower Upper

240 100

120 12.2 10.3 15.5

236 26.3 20.5 30.7



#77

Benzidine

Concen: 2.360 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF133543.D

Acq: 31 May 2023 17:17

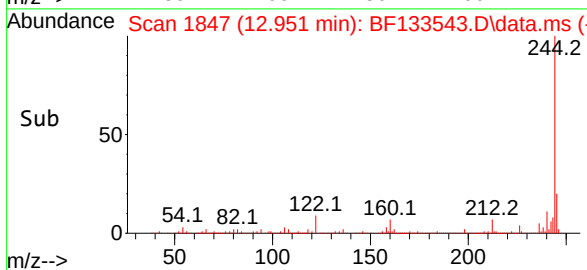
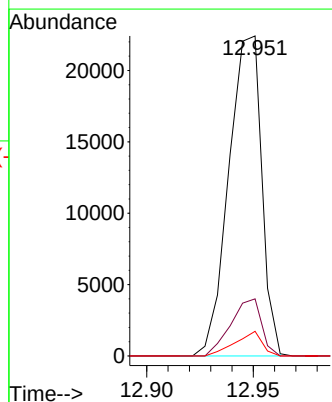
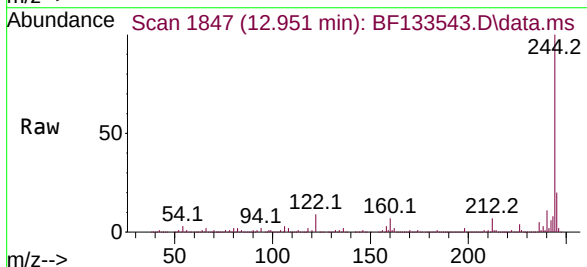
Tgt Ion:184 Resp: 24166

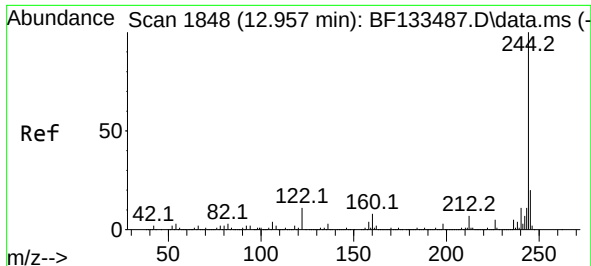
Ion Ratio Lower Upper

184 100

185 17.8 12.2 18.2

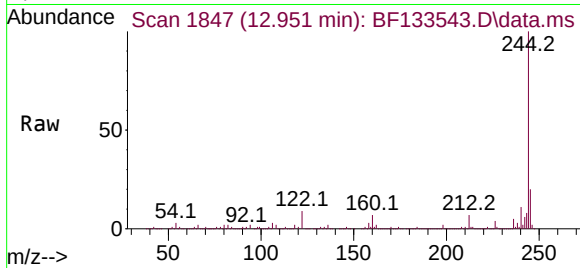
183 7.7 8.7 13.1#



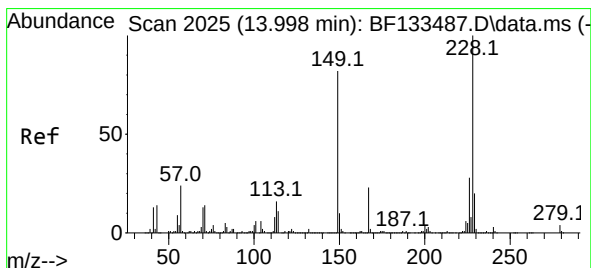
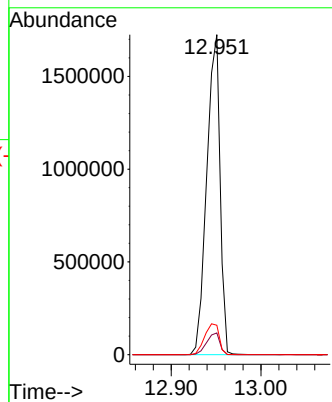
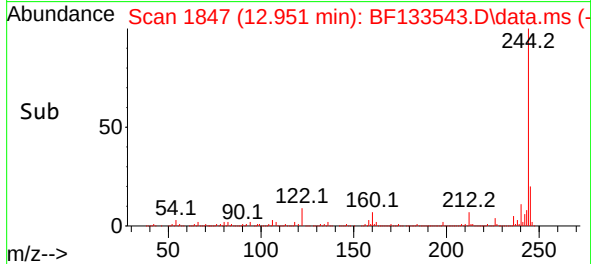


#79
 Terphenyl-d14
 Concen: 90.172 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133543.D
 Acq: 31 May 2023 17:17

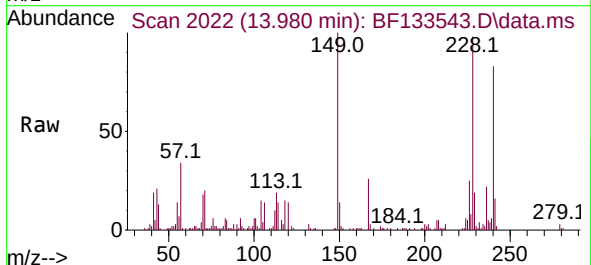
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



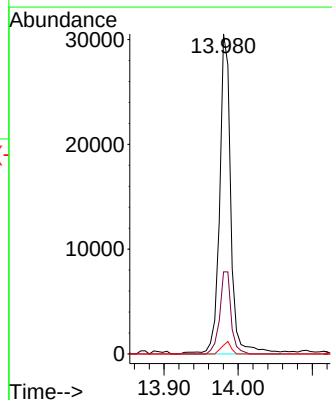
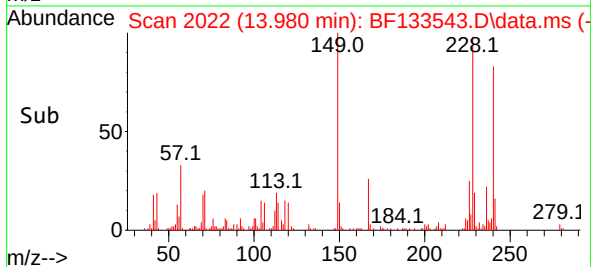
Tgt Ion:244 Resp: 1775346
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 9.2 8.5 12.7

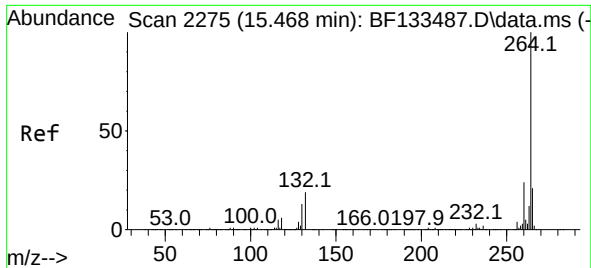


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.185 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF133543.D
 Acq: 31 May 2023 17:17



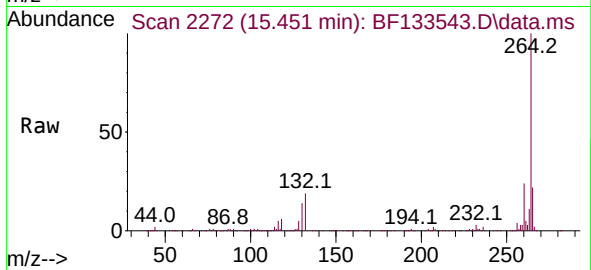
Tgt Ion:149 Resp: 32196
 Ion Ratio Lower Upper
 149 100
 167 25.7 22.0 33.0
 279 2.7 3.6 5.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133543.D
Acq: 31 May 2023 17:17

Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:264 Resp: 284603
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 21.6 16.8 25.2

