

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133549.D
 Acq On : 31 May 2023 20:30
 Operator : CG\JU
 Sample : 02981-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Jun 01 02:04:36 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)

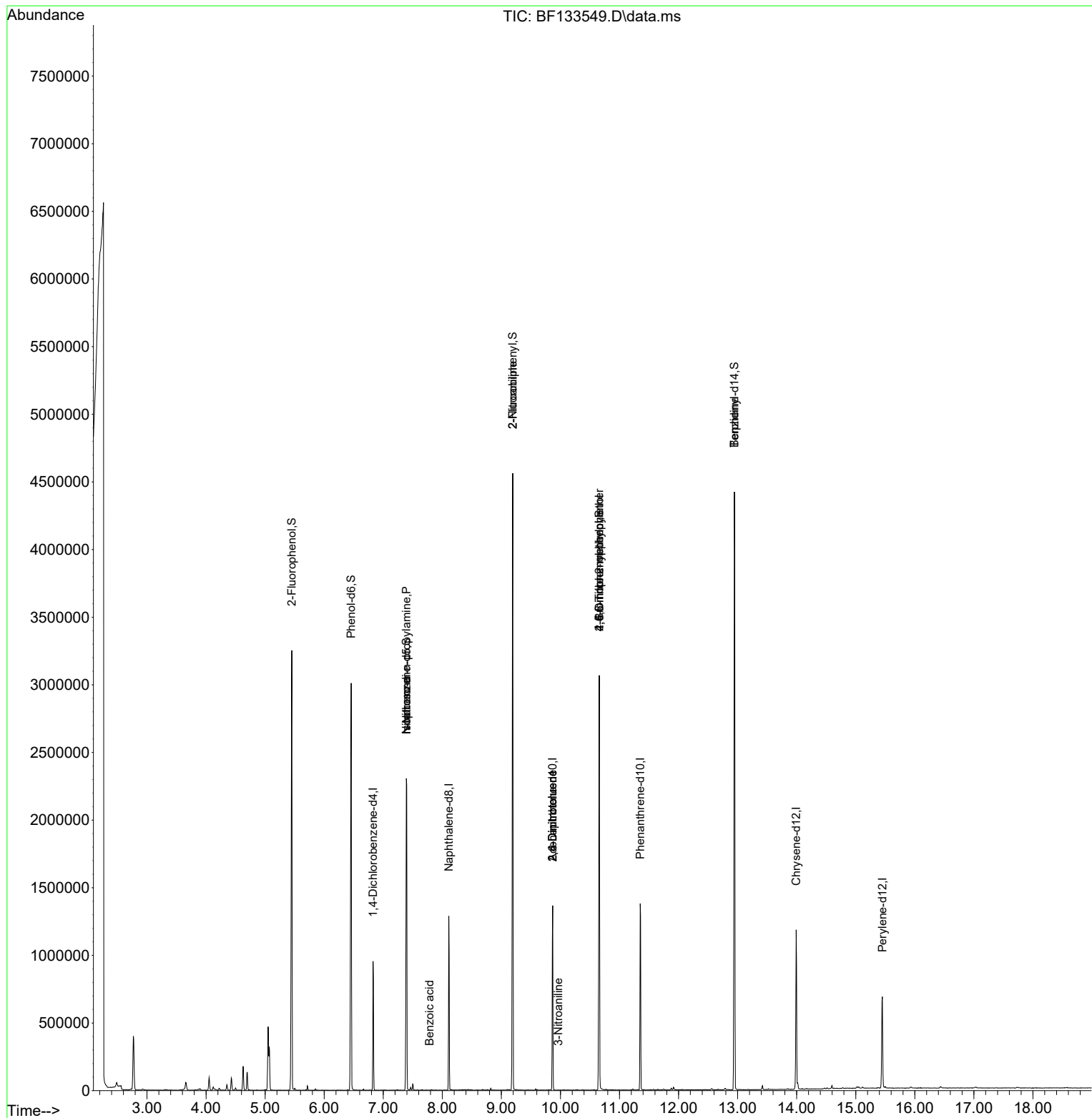
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	133441	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	507874	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	255906	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	511924	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	378059	20.000	ng	-0.01
86) Perylene-d12	15.451	264	302412	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	887362	110.950	ng	0.01
7) Phenol-d6	6.457	99	979323	99.470	ng	0.00
23) Nitrobenzene-d5	7.392	82	768426	101.023	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	364684	142.962	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1348560	81.335	ng	0.00
79) Terphenyl-d14	12.945	244	1721903	80.980	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.457	77	1631	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.392	70	106198	16.671	ng	# 80
25) Isophorone	7.392	82	768420	43.346	ng	# 65
32) Benzoic acid	7.786	122	427	7.422	ng	# 88
48) 2-Nitroaniline	9.192	65	2549	4.474	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	32925	12.572	ng	# 17
53) 3-Nitroaniline	9.963	138	89	3.199	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	32925	11.736	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	791	9.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	22011	4.049	ng	# 1
77) Benzidine	12.945	184	23534	2.128	ng	# 92

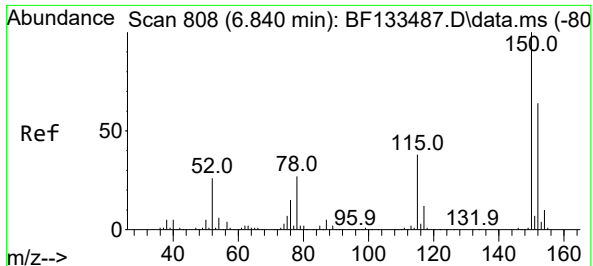
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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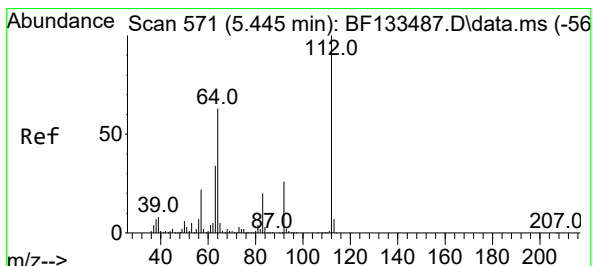
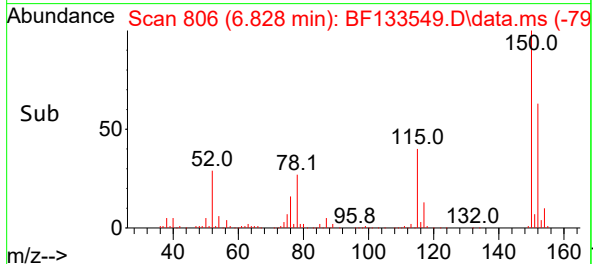
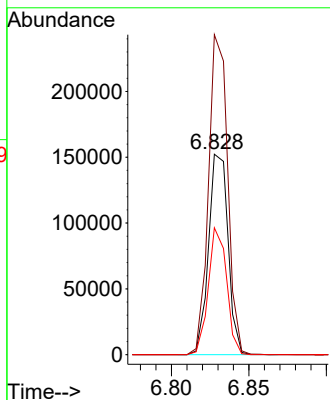
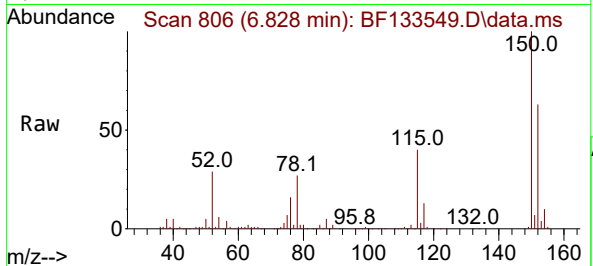




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

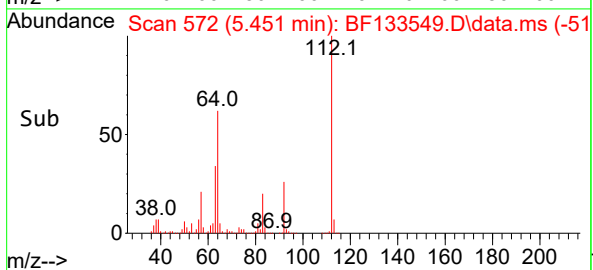
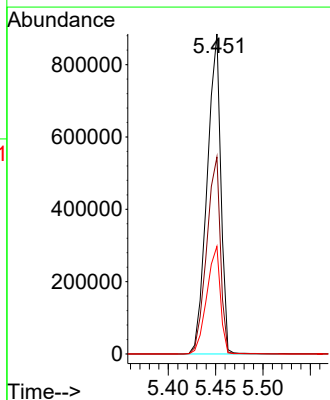
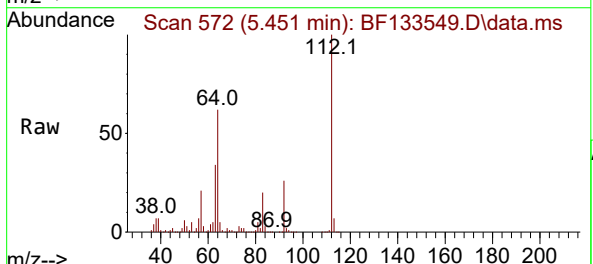
Instrument :
BNA_F
ClientSampleId :
TP-5

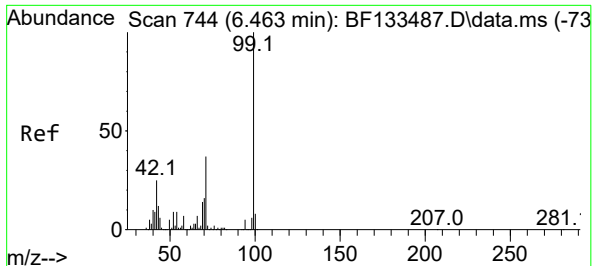
Tgt Ion:152 Resp: 133441
Ion Ratio Lower Upper
152 100
150 159.6 124.9 187.3
115 63.3 48.1 72.1



#5
2-Fluorophenol
Concen: 110.950 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion:112 Resp: 887362
Ion Ratio Lower Upper
112 100
64 61.5 50.1 75.1
63 33.6 27.5 41.3

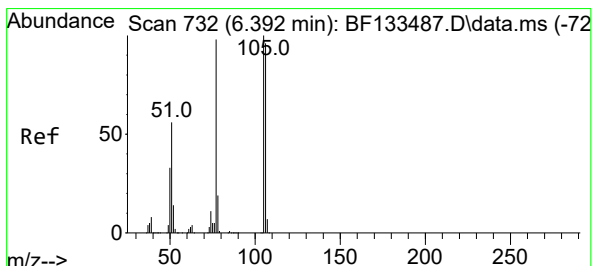
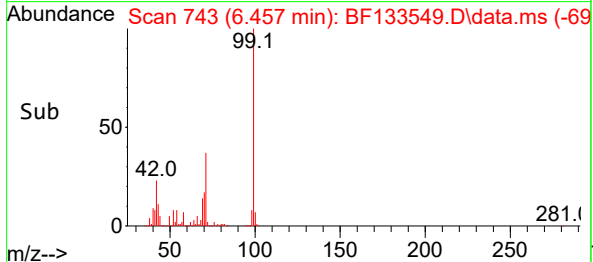
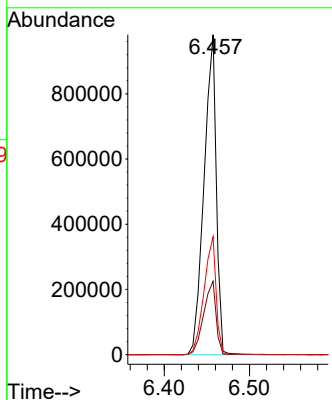
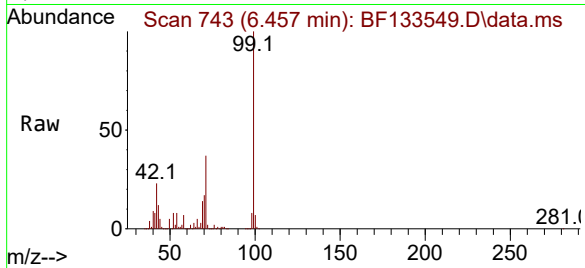




#7
Phenol-d6
Concen: 99.470 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

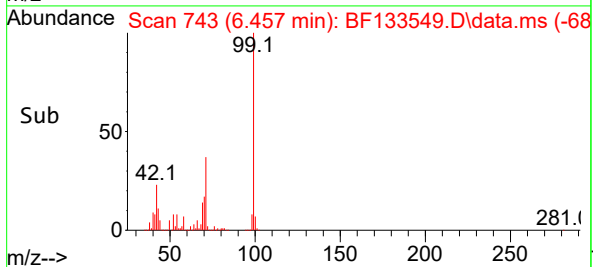
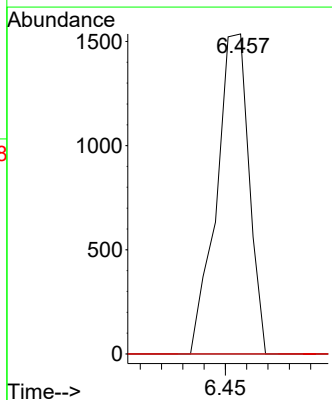
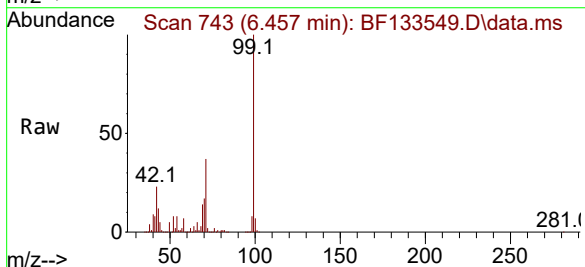
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 979323
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 36.9 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.070 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion: 77 Resp: 1631
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

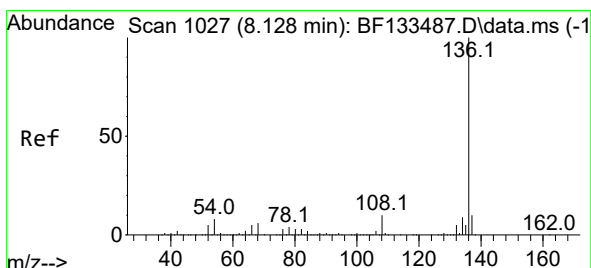
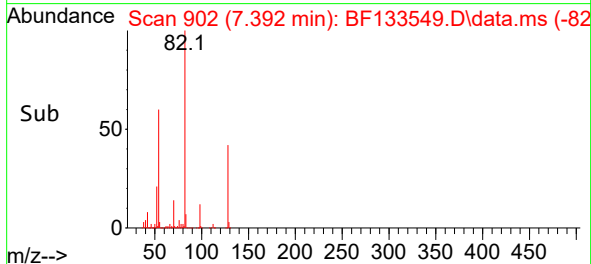
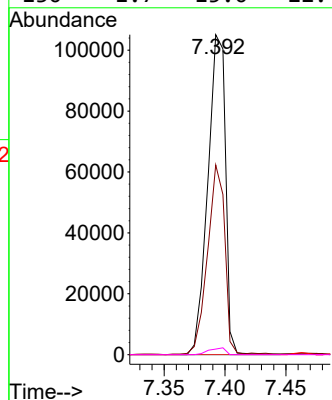
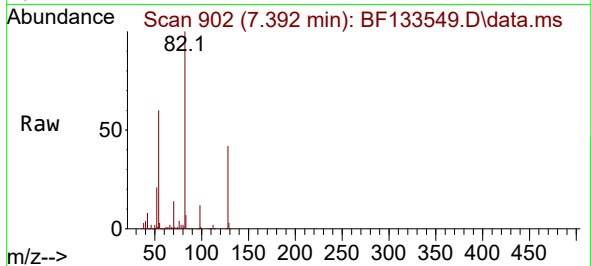




#19
n-Nitroso-di-n-propylamine
Concen: 16.671 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

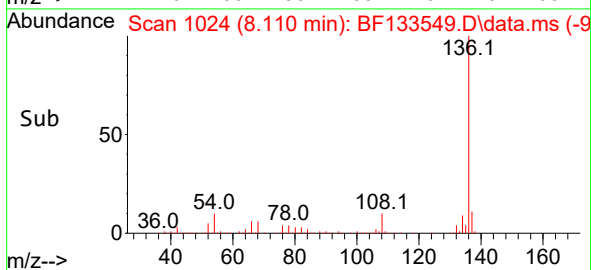
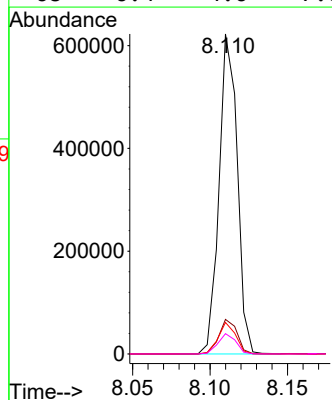
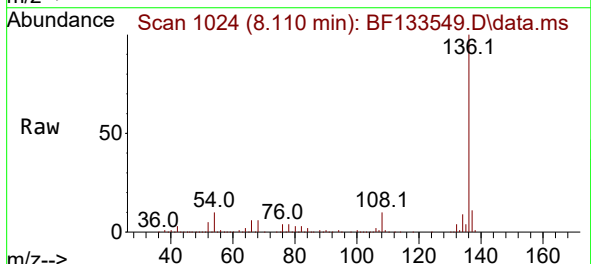
Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 70 Resp: 106198
Ion Ratio Lower Upper
70 100
42 59.3 57.2 85.8
101 0.0 7.3 10.9#
130 1.7 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: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion: 136 Resp: 507874
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 9.8 6.6 10.0
68 6.4 4.6 7.0





#23

Nitrobenzene-d5

Concen: 101.023 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133549.D

Acq: 31 May 2023 20:30

Instrument :

BNA_F

ClientSampleId :

TP-5

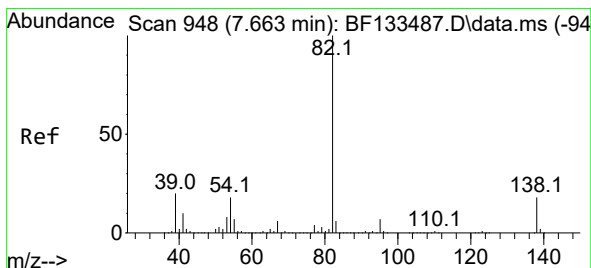
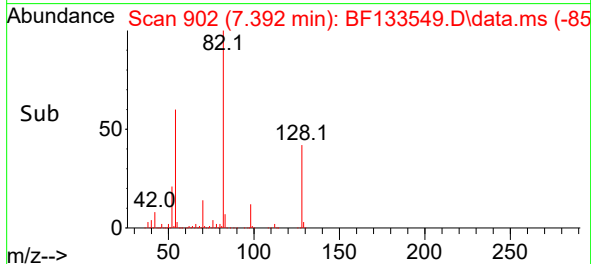
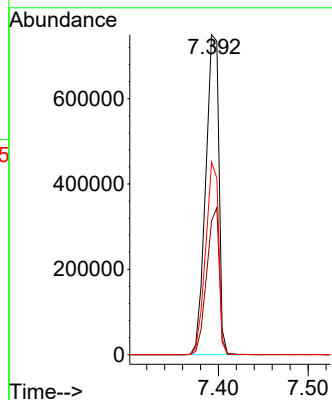
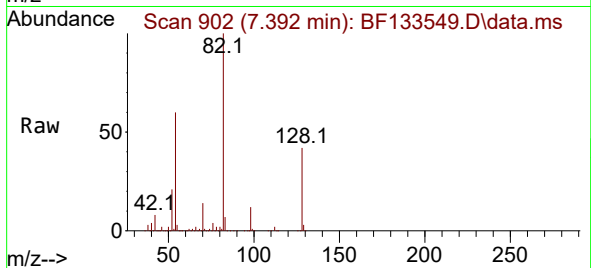
Tgt Ion: 82 Resp: 768426

Ion Ratio Lower Upper

82 100

128 41.8 34.2 51.4

54 60.2 48.2 72.4



#25

Isophorone

Concen: 43.346 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133549.D

Acq: 31 May 2023 20:30

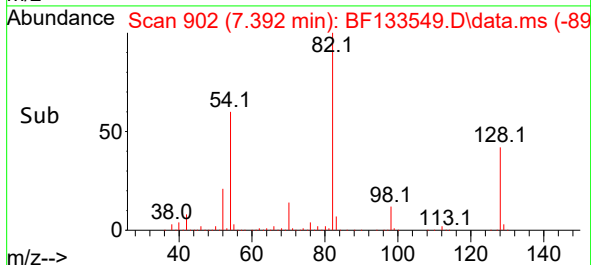
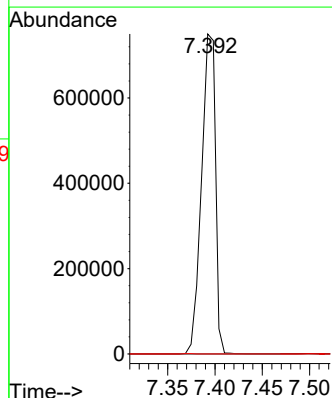
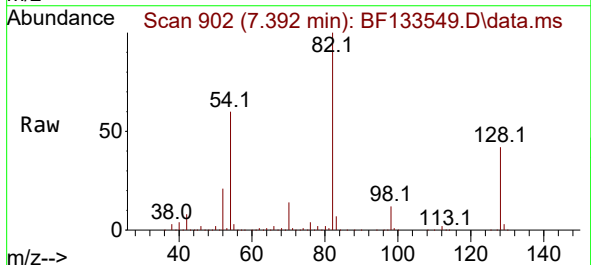
Tgt Ion: 82 Resp: 768420

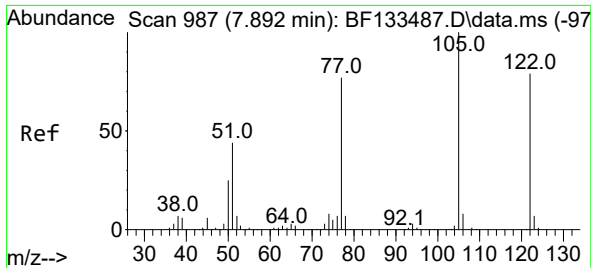
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

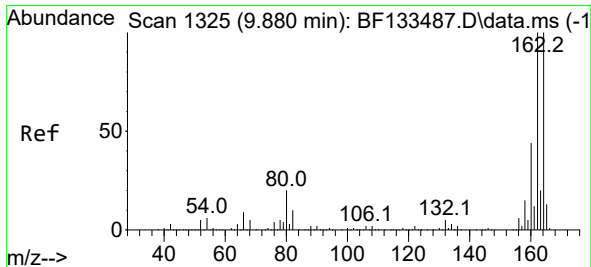
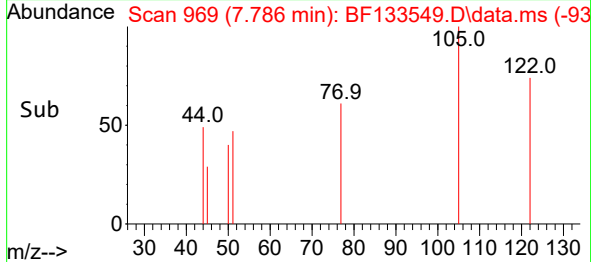
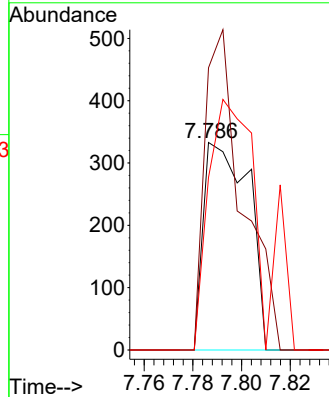
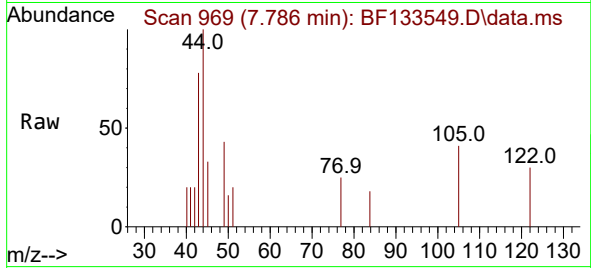




#32
Benzoic acid
Concen: 7.422 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.094 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

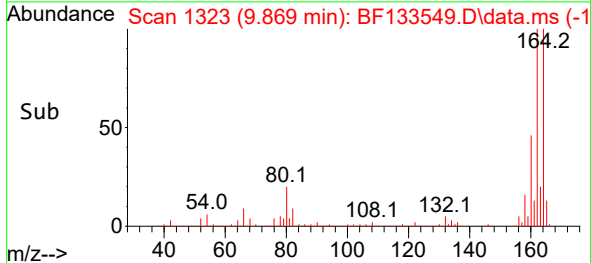
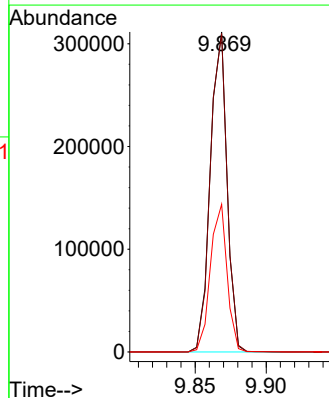
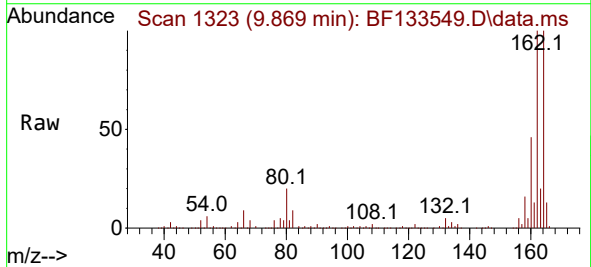
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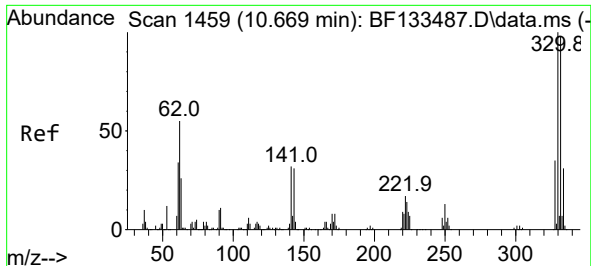
Tgt Ion:122 Resp: 427
Ion Ratio Lower Upper
122 100
105 136.0 103.3 143.3
77 83.2 75.7 115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion:164 Resp: 255906
Ion Ratio Lower Upper
164 100
162 99.5 79.7 119.5
160 46.2 35.4 53.0

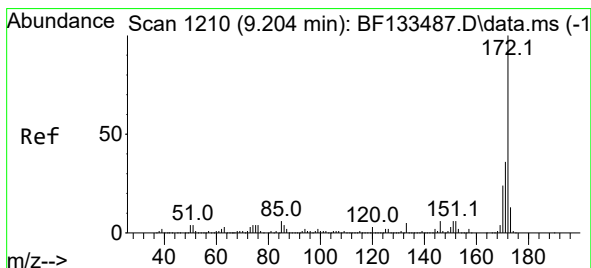
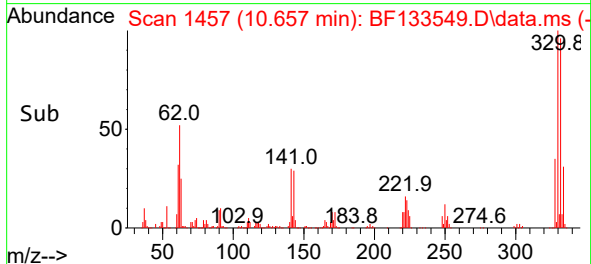
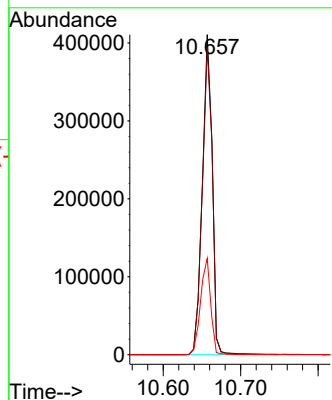
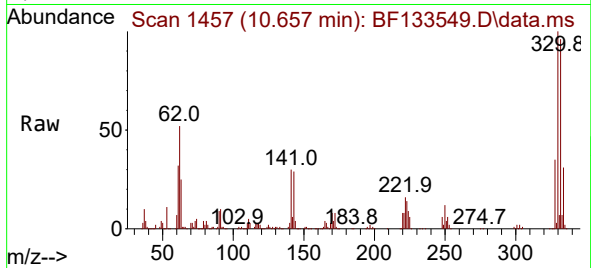




#42
2,4,6-Tribromophenol
Concen: 142.962 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

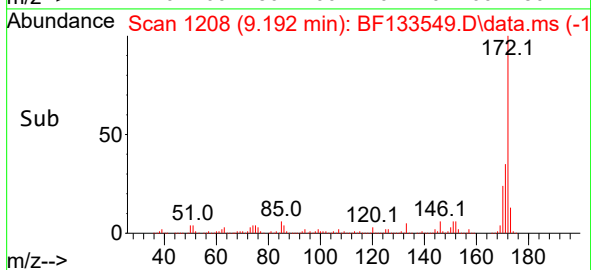
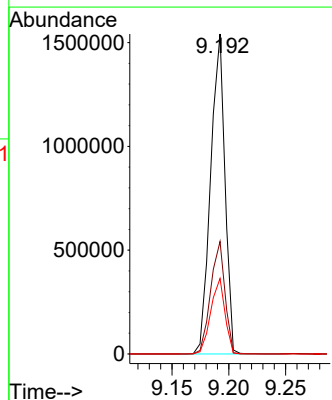
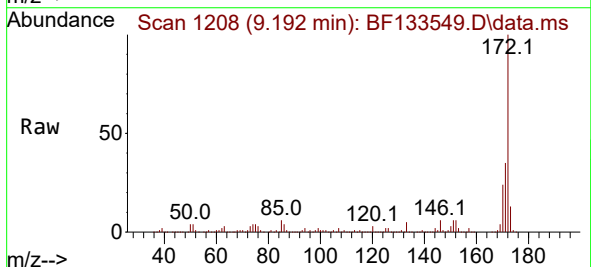
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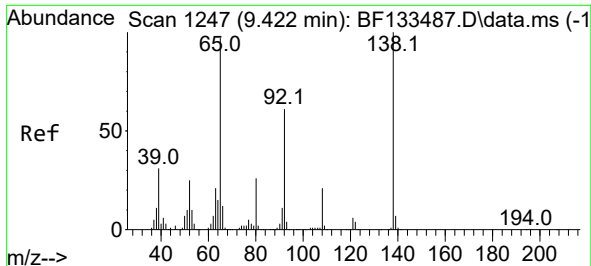
Tgt Ion:330 Resp: 364684
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.6
141 30.8 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 81.335 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion:172 Resp: 1348560
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 19.3 28.9

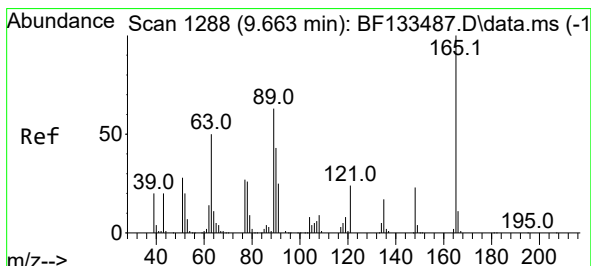
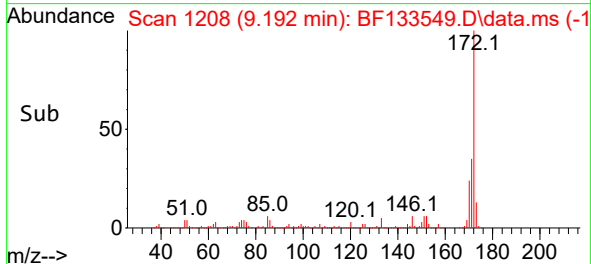
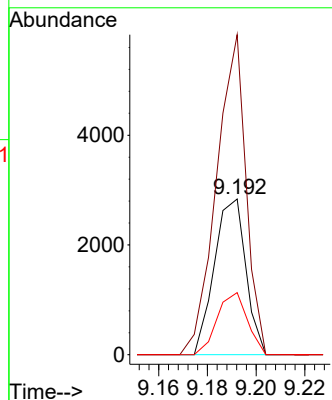
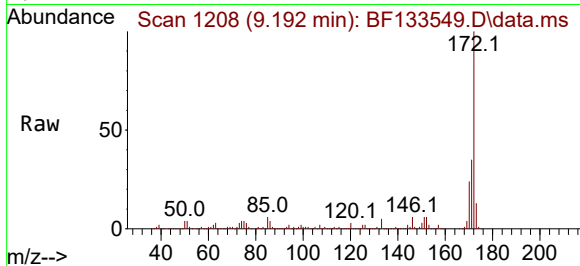




#48
2-Nitroaniline
Concen: 4.474 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

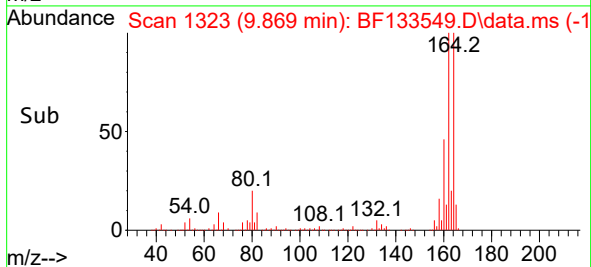
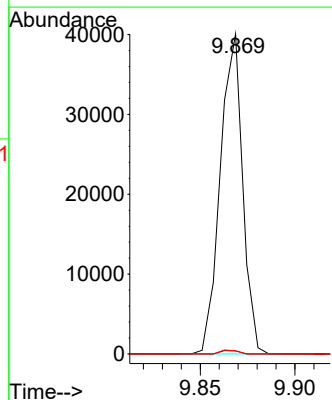
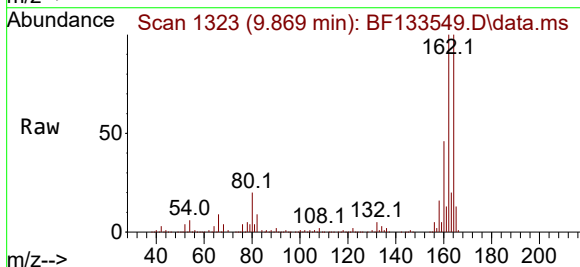
Instrument :
BNA_F
ClientSampleId :
TP-5

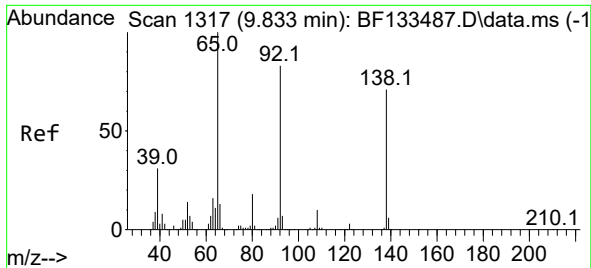
Tgt Ion: 65 Resp: 2549
Ion Ratio Lower Upper
65 100
92 205.6 50.8 76.2#
138 39.9 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.572 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion: 165 Resp: 32925
Ion Ratio Lower Upper
165 100
63 1.0 57.0 85.4#
89 1.0 50.8 76.2#

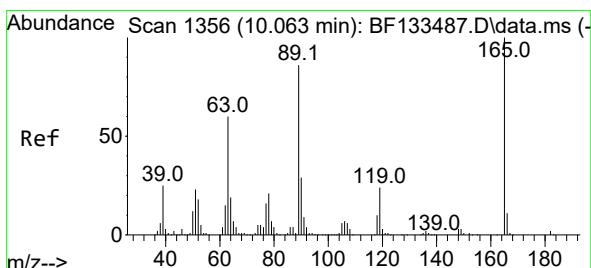
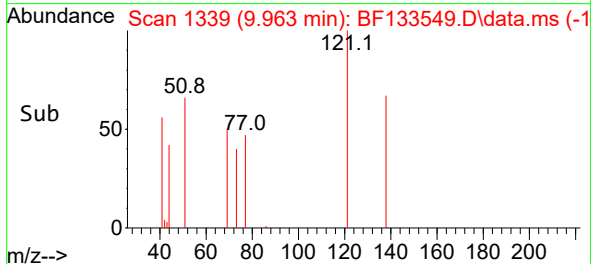
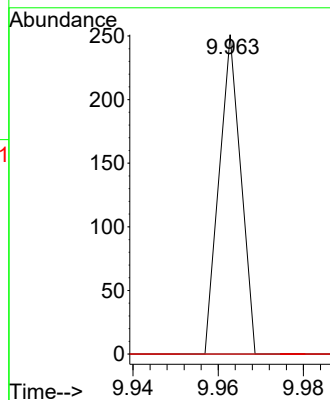
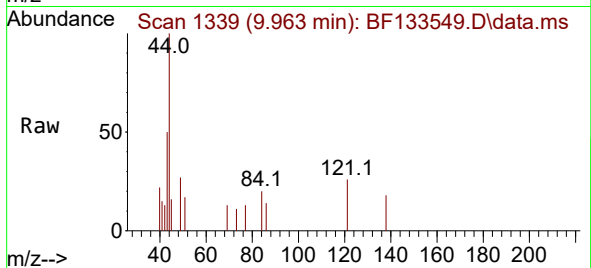




#53
3-Nitroaniline
Concen: 3.199 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.135 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

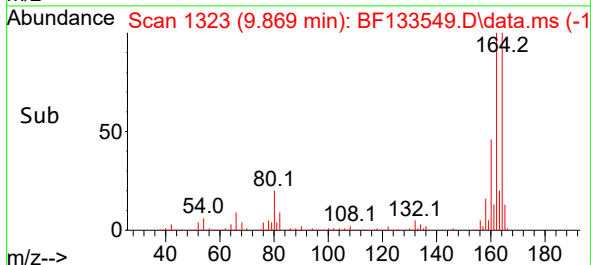
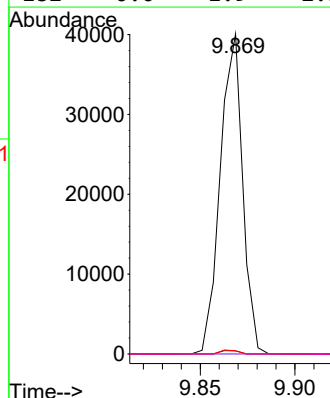
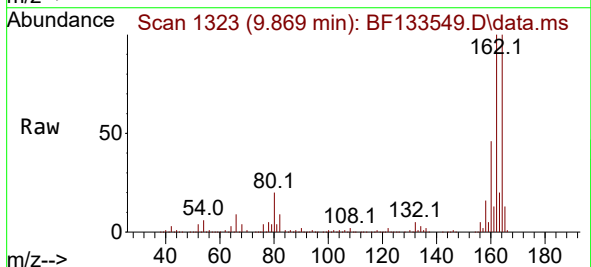
Instrument :
BNA_F
ClientSampleId :
TP-5

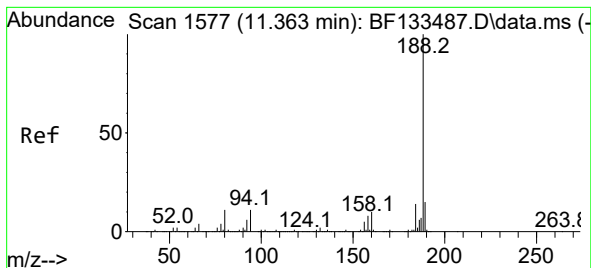
Tgt Ion:138 Resp: 89
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.736 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion:165 Resp: 32925
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.0 68.4 102.6#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133549.D

Acq: 31 May 2023 20:30

Instrument :

BNA_F

ClientSampleId :

TP-5

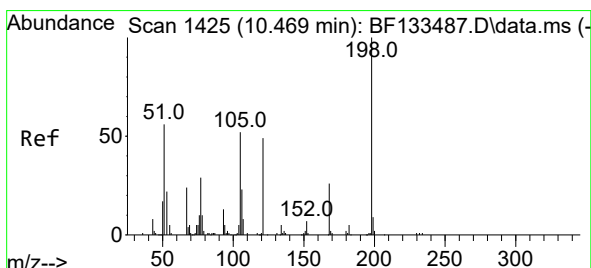
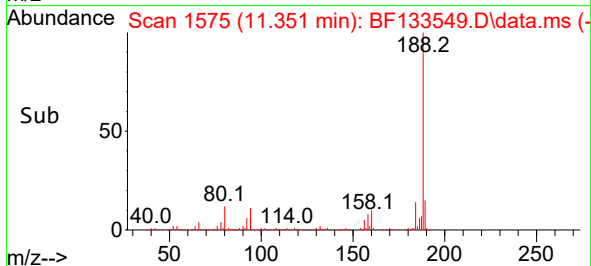
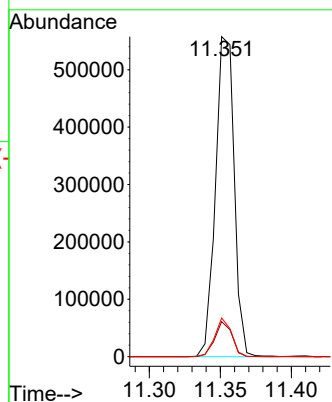
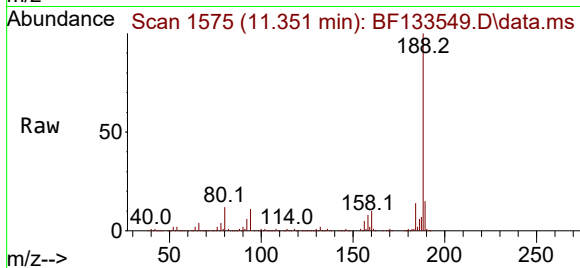
Tgt Ion:188 Resp: 511924

Ion Ratio Lower Upper

188 100

94 11.0 8.6 12.8

80 12.1 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 9.021 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133549.D

Acq: 31 May 2023 20:30

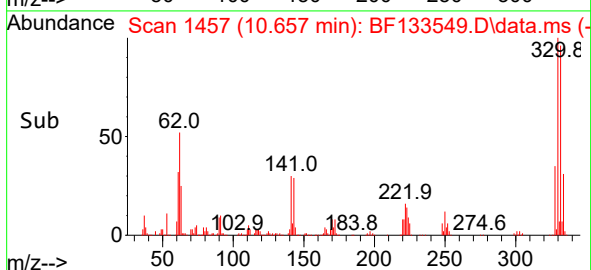
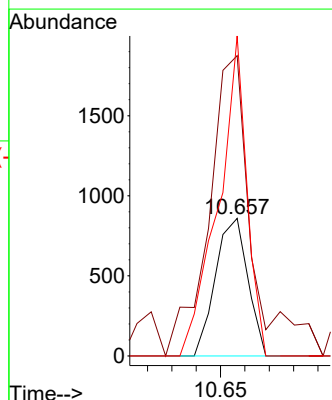
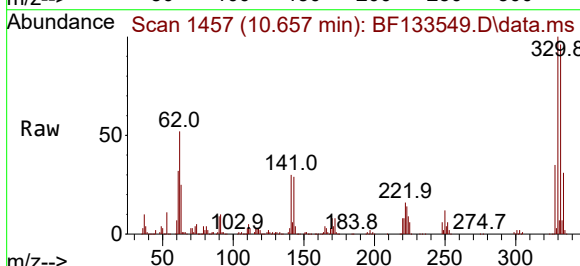
Tgt Ion:198 Resp: 791

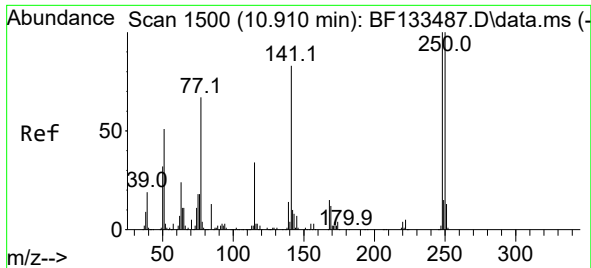
Ion Ratio Lower Upper

198 100

51 218.3 53.6 93.6#

105 232.6 35.9 75.9#

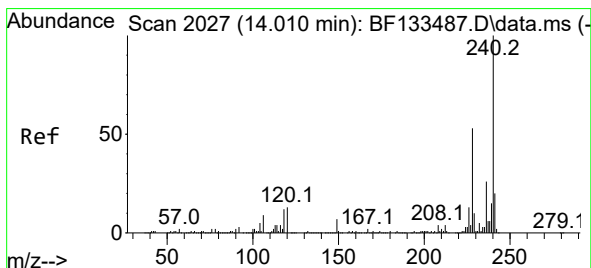
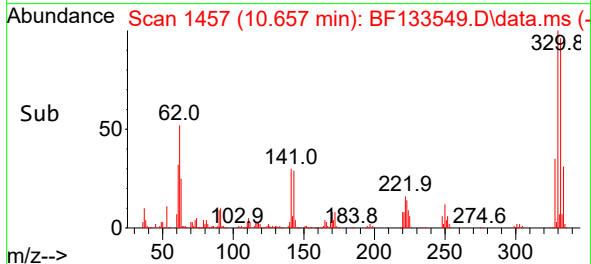
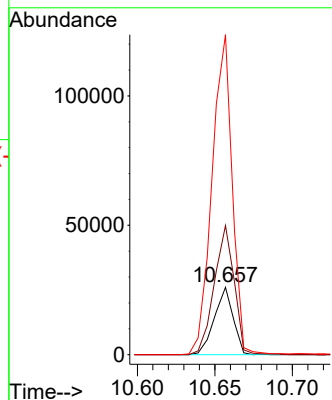
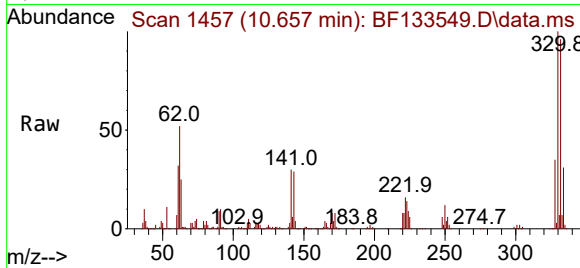




#67
4-Bromophenyl-phenylether
Concen: 4.049 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

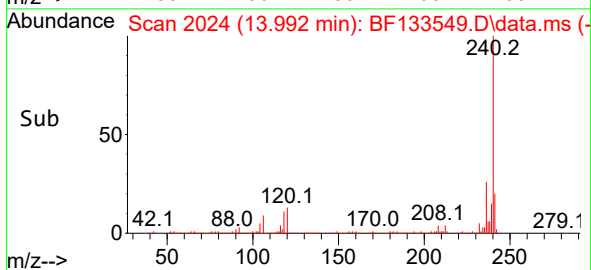
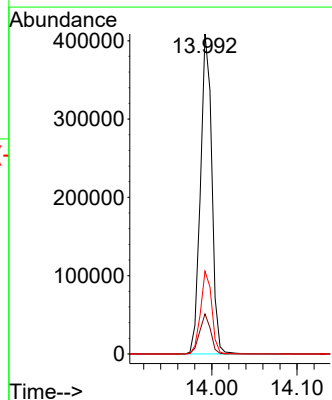
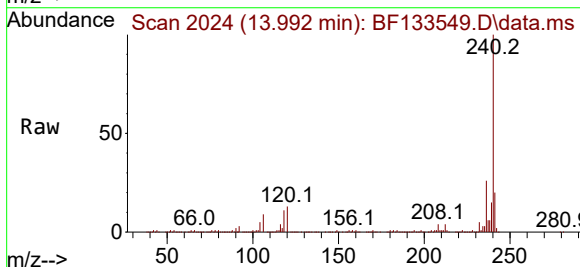
Instrument :
BNA_F
ClientSampleId :
TP-5

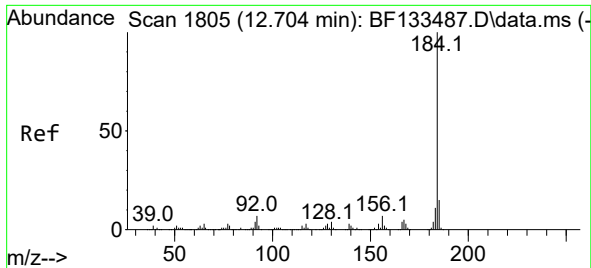
Tgt Ion:248 Resp: 22011
Ion Ratio Lower Upper
248 100
250 191.6 79.7 119.5#
141 474.6 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion:240 Resp: 378059
Ion Ratio Lower Upper
240 100
120 12.5 10.3 15.5
236 25.8 20.5 30.7

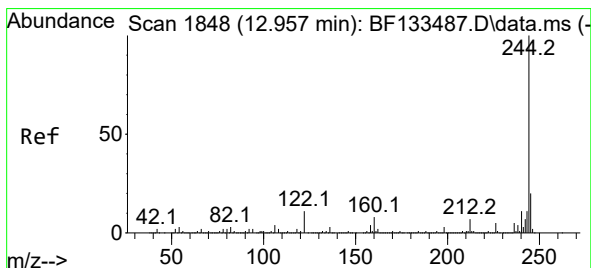
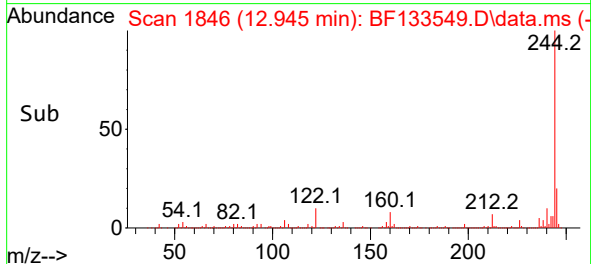
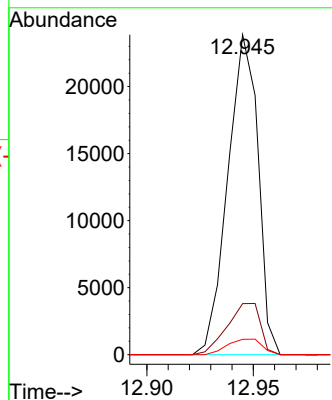
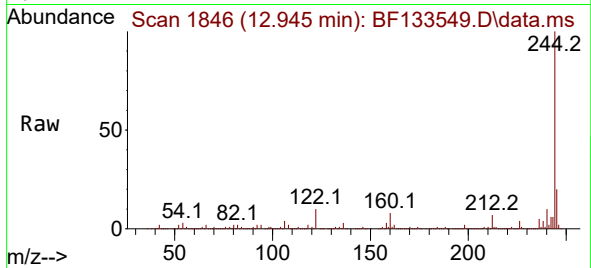




#77
Benzidine
Concen: 2.128 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

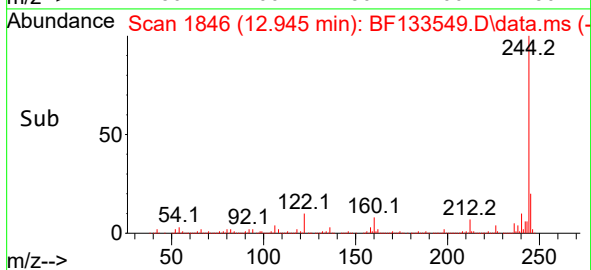
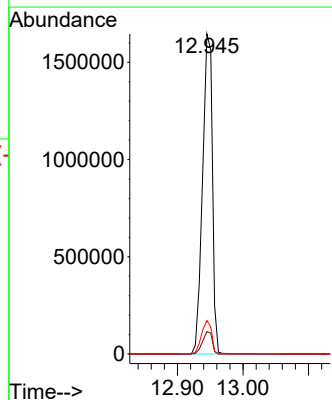
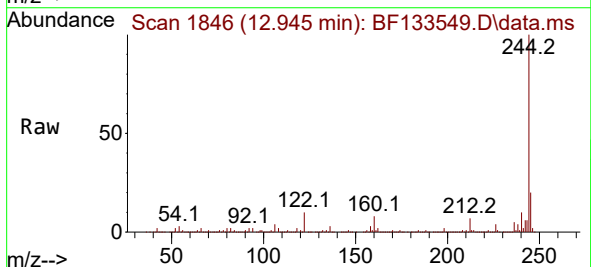
Instrument :
BNA_F
ClientSampleId :
TP-5

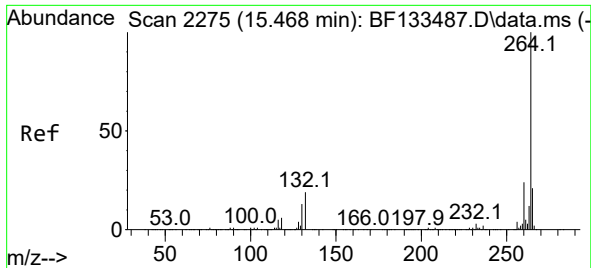
Tgt Ion:184 Resp: 23534
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 4.8 8.7 13.1#



#79
Terphenyl-d14
Concen: 80.980 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Tgt Ion:244 Resp: 1721903
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.5 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133549.D
Acq: 31 May 2023 20:30

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:264 Resp: 302412
Ion Ratio Lower Upper
264 100
260 22.2 19.0 28.4
265 21.6 16.8 25.2

