

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133530.D
 Acq On : 30 May 2023 19:25
 Operator : CG\JU
 Sample : 02955-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB26

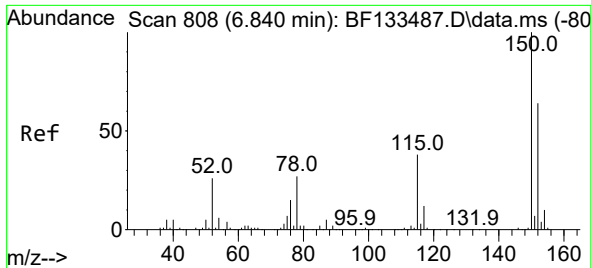
Quant Time: May 31 05:21:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	143598	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	546708	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	263151	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	508882	20.000	ng	0.00
76) Chrysene-d12	13.992	240	301095	20.000	ng	-0.01
86) Perylene-d12	15.451	264	283966	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	799875	92.937	ng	0.00
7) Phenol-d6	6.457	99	992974	93.723	ng	0.00
23) Nitrobenzene-d5	7.392	82	619421	75.649	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	270182	103.000	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1019776	59.812	ng	0.00
79) Terphenyl-d14	12.945	244	1078833	63.706	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	269	Below Cal	Qvalue #	85
19) n-Nitroso-di-n-propyla...	7.392	70	86473	12.615 ng	#	78
25) Isophorone	7.392	82	617545	32.361 ng	#	65
32) Benzoic acid	7.875	122	117	7.368 ng	#	16
48) 2-Nitroaniline	9.322	65	74	4.004 ng	#	6
51) 2,6-Dinitrotoluene	9.869	165	32950	12.334 ng	#	18
53) 3-Nitroaniline	9.869	138	61	3.193 ng	#	1
57) 2,4-Dinitrotoluene	9.869	165	32950	11.549 ng	#	15
62) 4-Nitroaniline	10.657	138	55	2.996 ng	#	1
63) Azobenzene	10.580	77	40108	2.087 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.657	198	612	8.952 ng	#	1
67) 4-Bromophenyl-phenylether	10.657	248	16323	3.020 ng	#	1

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

Quant Time: May 31 05:21:49 2023
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QLast Update : Tue May 30 12:58:40 2023
Response via : Initial Calibration

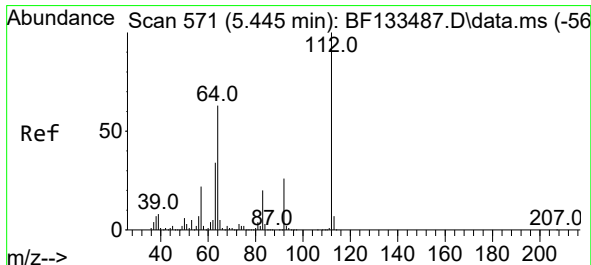
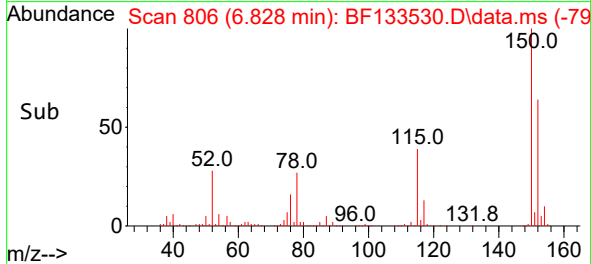
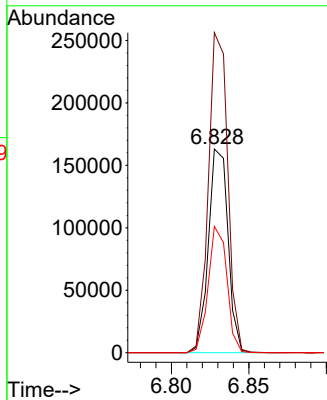
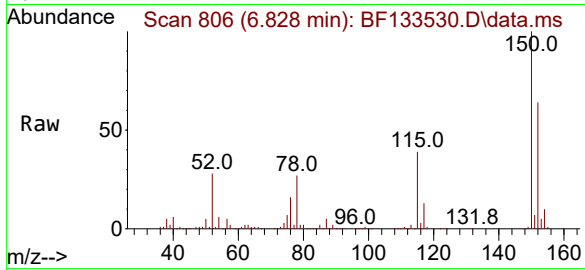




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

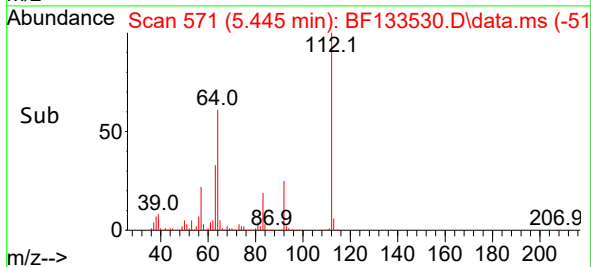
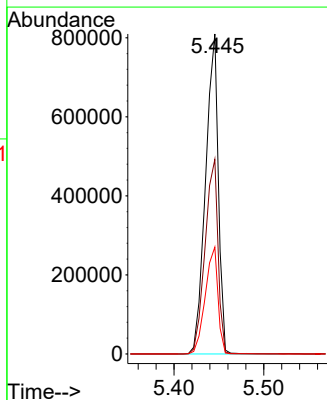
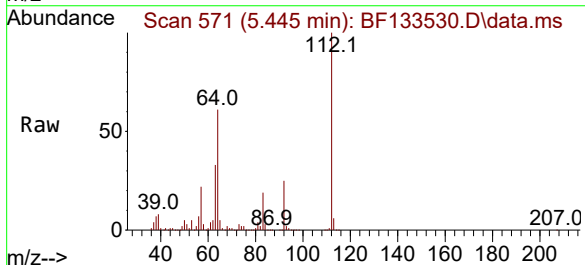
Instrument :
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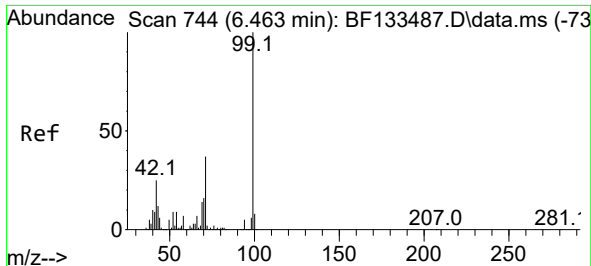
Tgt Ion:152 Resp: 143598
Ion Ratio Lower Upper
152 100
150 157.1 124.9 187.3
115 62.0 48.1 72.1



#5
2-Fluorophenol
Concen: 92.937 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion:112 Resp: 799875
Ion Ratio Lower Upper
112 100
64 60.8 50.1 75.1
63 33.4 27.5 41.3

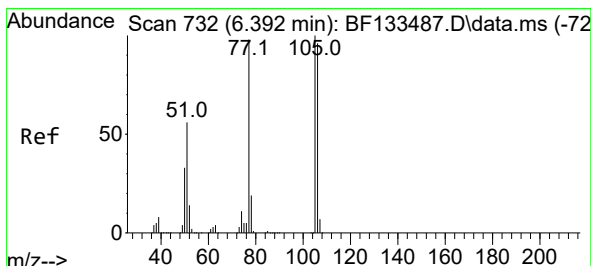
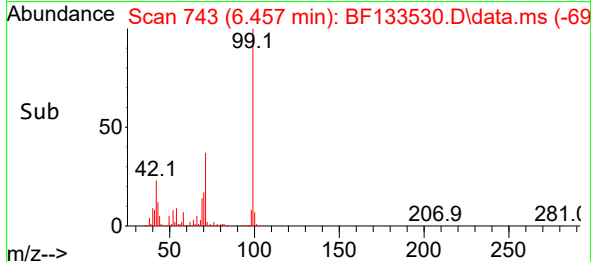
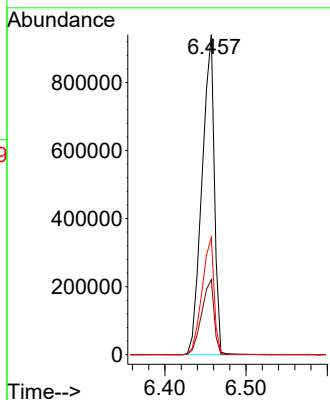
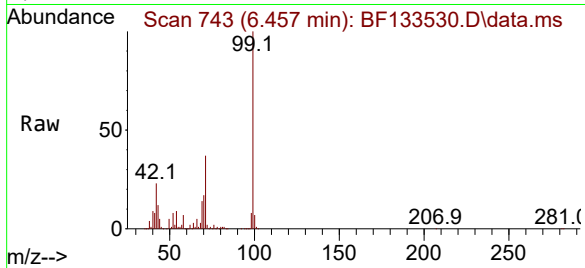




#7
Phenol-d6
Concen: 93.723 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

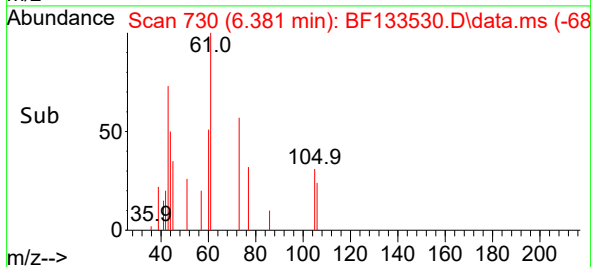
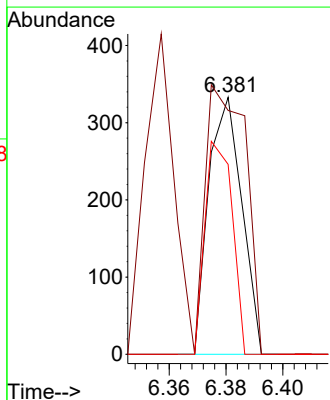
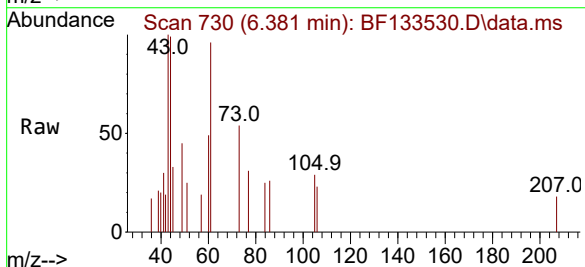
Instrument :
BNA_F
ClientSampleId :
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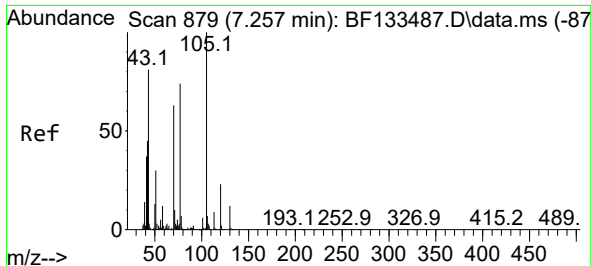
Tgt Ion: 99 Resp: 992974
Ion Ratio Lower Upper
99 100
42 23.4 19.7 29.5
71 36.6 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion: 77 Resp: 269
Ion Ratio Lower Upper
77 100
105 94.9 81.9 121.9
106 73.9 77.8 117.8#

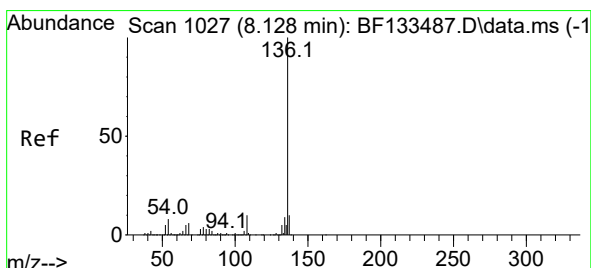
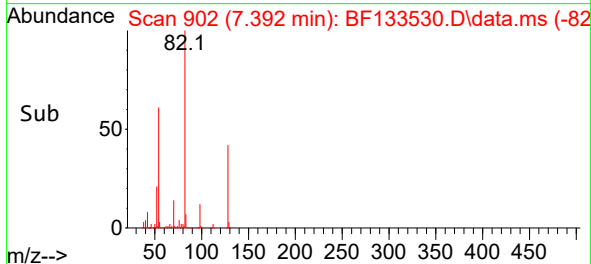
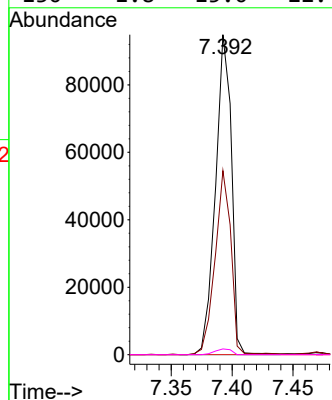
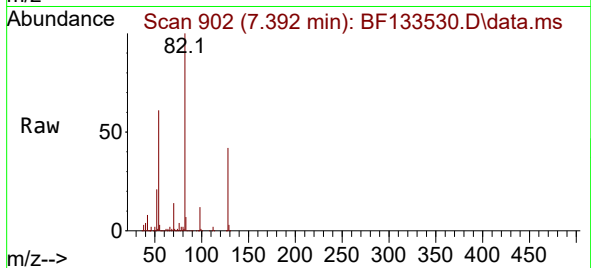




#19
n-Nitroso-di-n-propylamine
Concen: 12.615 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

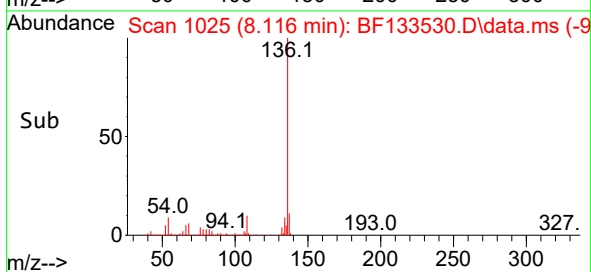
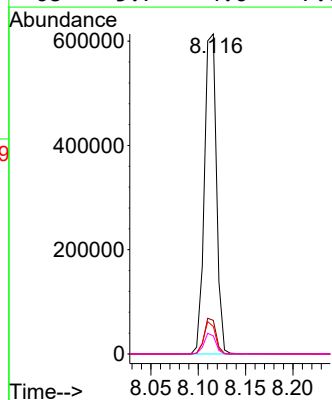
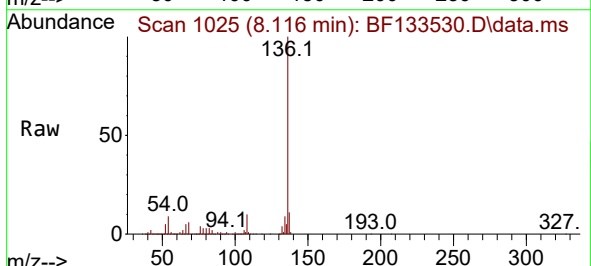
Instrument :
BNA_F
ClientSampleId :
SB26

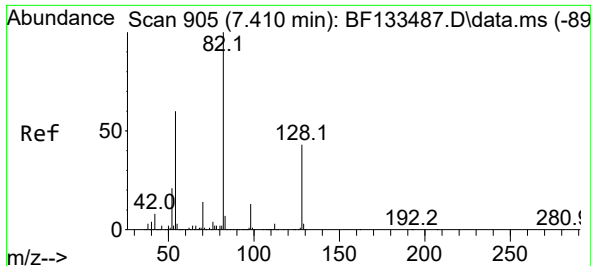
Tgt Ion:	70	Resp:	86473
Ion	Ratio	Lower	Upper
70	100		
42	57.5	57.2	85.8
101	0.0	7.3	10.9#
130	1.8	15.0	22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion:	136	Resp:	546708
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.4
54	8.6	6.6	10.0
68	5.7	4.6	7.0





#23

Nitrobenzene-d5

Concen: 75.649 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

Instrument :

BNA_F

ClientSampleId :

SB26

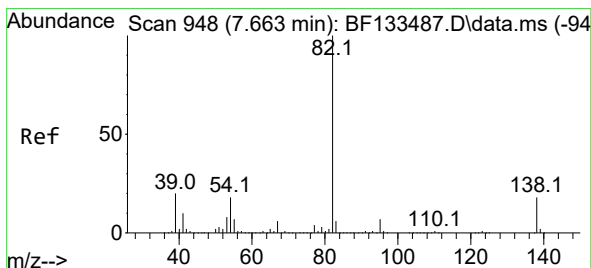
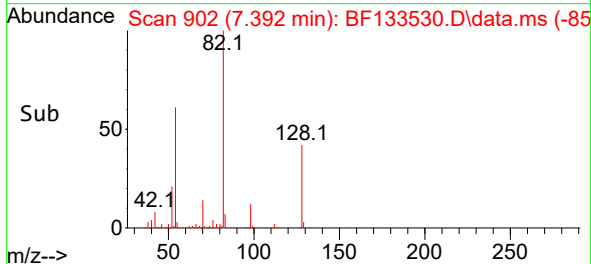
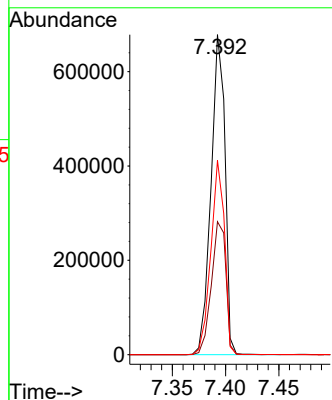
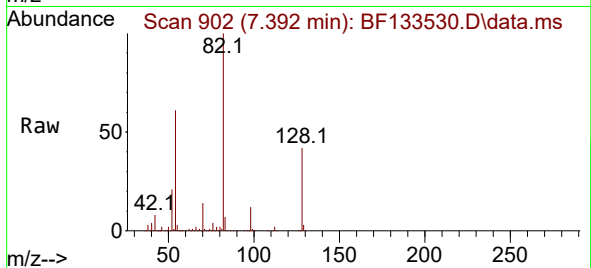
Tgt Ion: 82 Resp: 619421

Ion Ratio Lower Upper

82 100

128 41.5 34.2 51.4

54 60.7 48.2 72.4



#25

Isophorone

Concen: 32.361 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

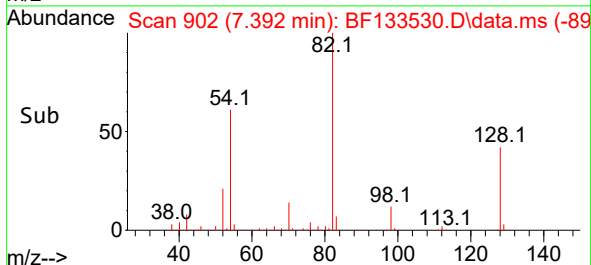
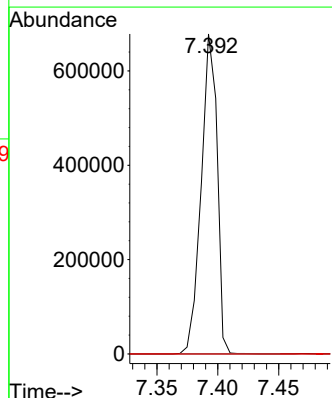
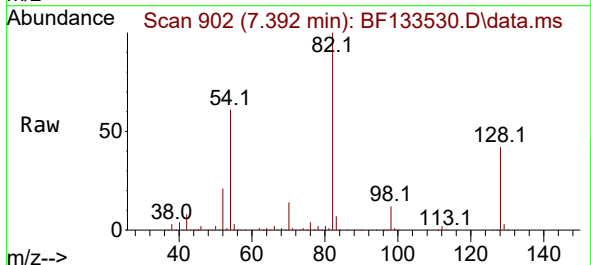
Tgt Ion: 82 Resp: 617545

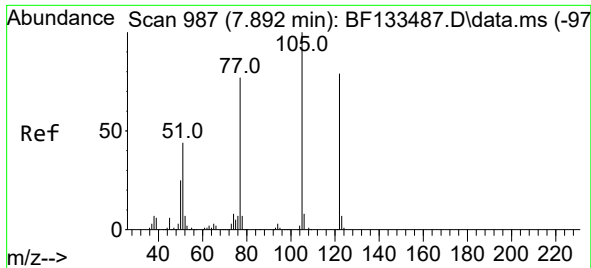
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

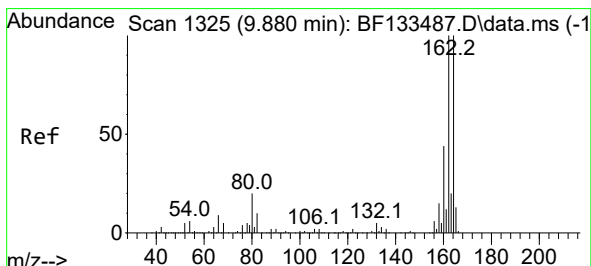
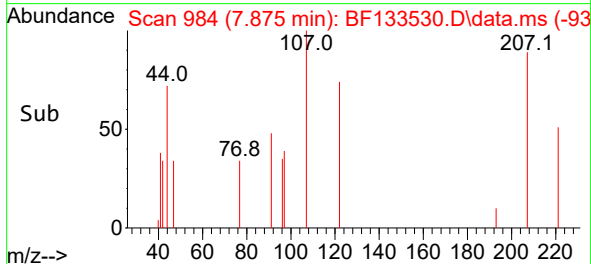
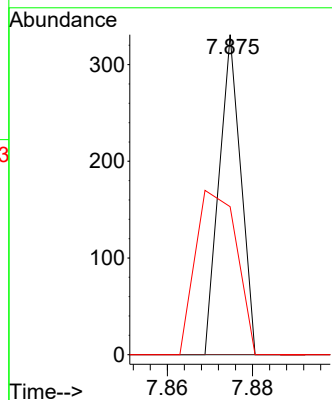
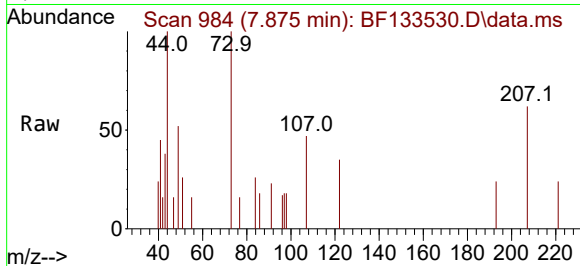




#32
Benzoic acid
Concen: 7.368 ng
RT: 7.875 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

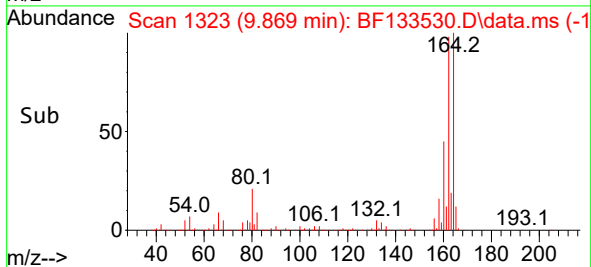
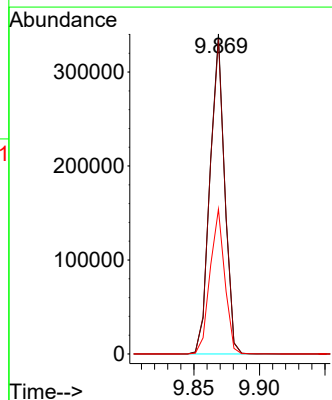
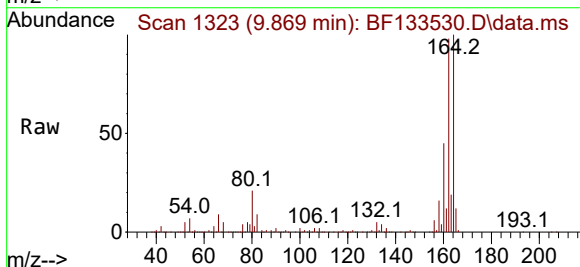
Instrument :
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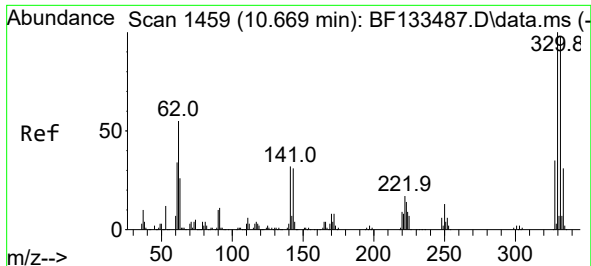
Tgt Ion:122 Resp: 117
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 46.2 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion:164 Resp: 263151
Ion Ratio Lower Upper
164 100
162 98.3 79.7 119.5
160 45.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 103.000 ng

RT: 10.657 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

Instrument :

BNA_F

ClientSampleId :

SB26

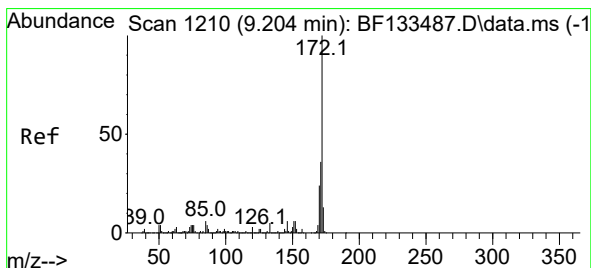
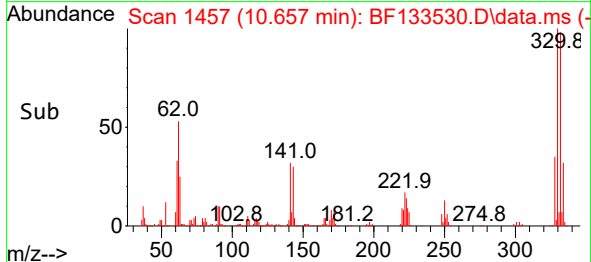
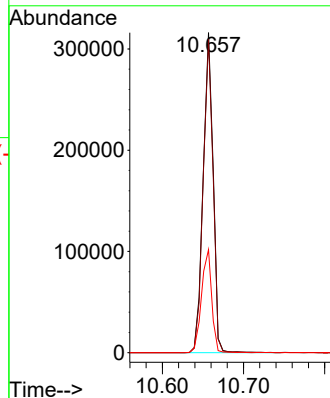
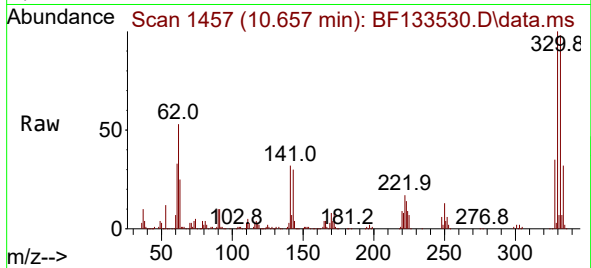
Tgt Ion:330 Resp: 270182

Ion Ratio Lower Upper

330 100

332 97.0 77.8 116.6

141 33.0 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 59.812 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

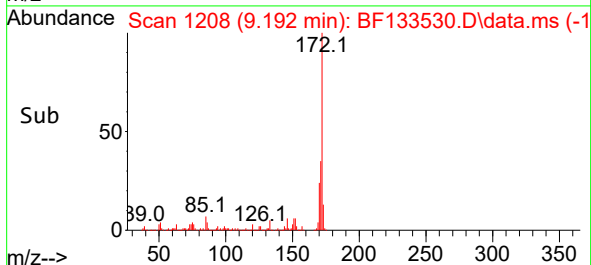
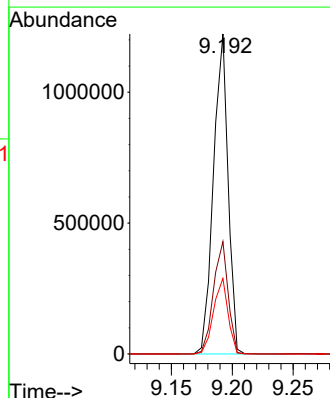
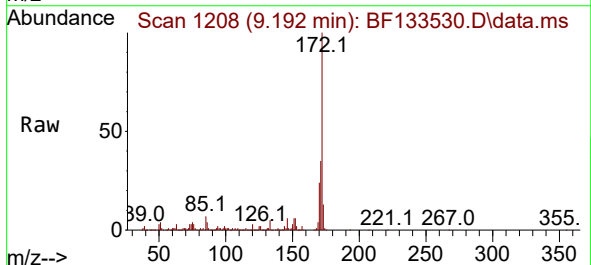
Tgt Ion:172 Resp: 1019776

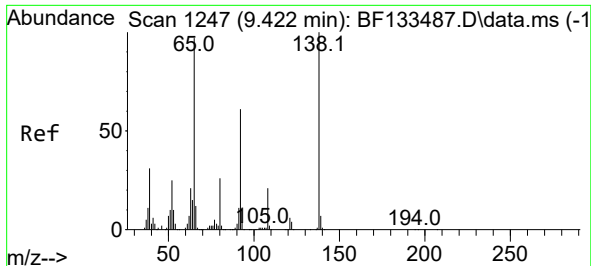
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.6 19.3 28.9





#48

2-Nitroaniline

Concen: 4.004 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.094 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

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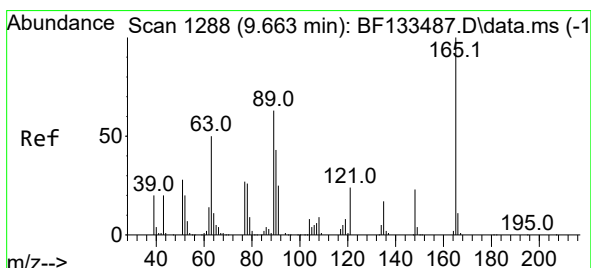
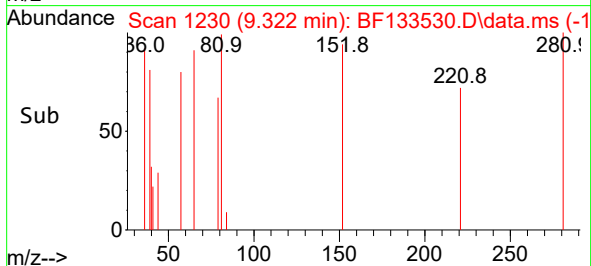
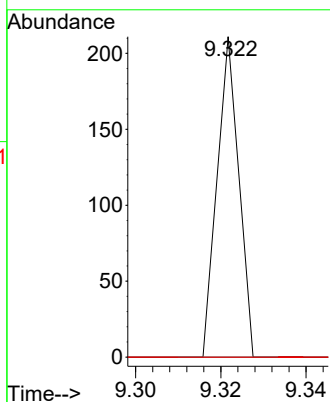
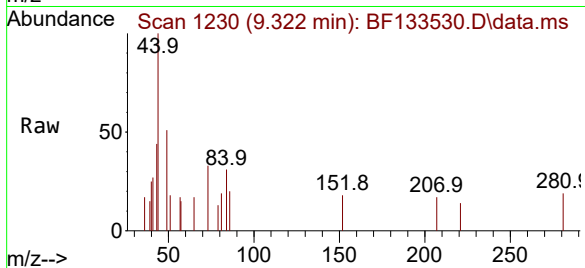
Tgt Ion: 65 Resp: 74

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: 12.334 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.212 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

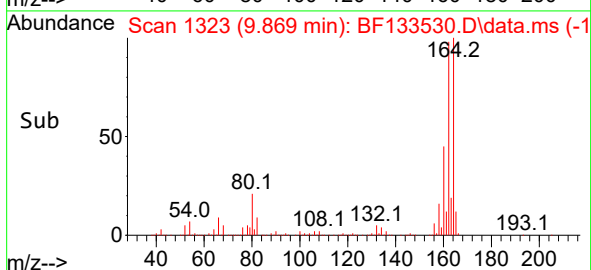
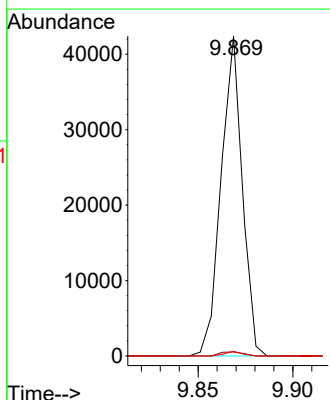
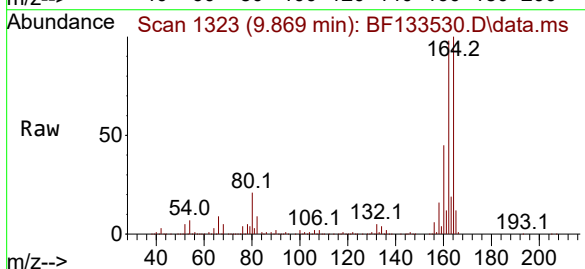
Tgt Ion: 165 Resp: 32950

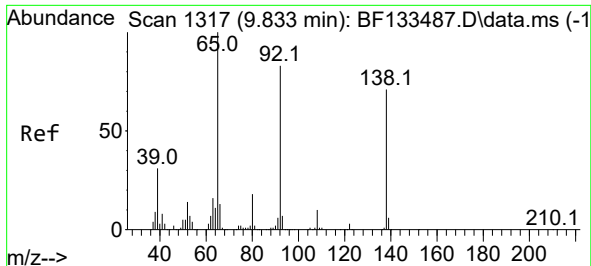
Ion Ratio Lower Upper

165 100

63 1.3 57.0 85.4#

89 1.5 50.8 76.2#

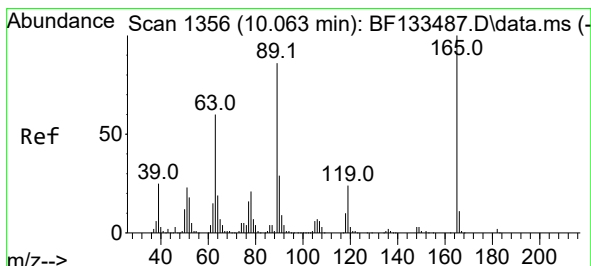
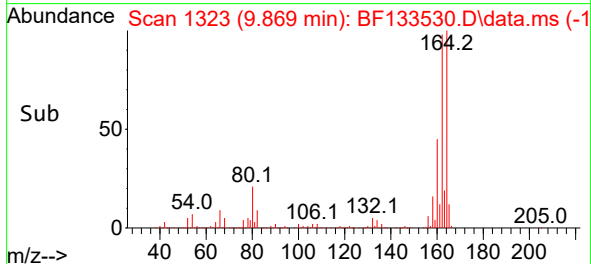
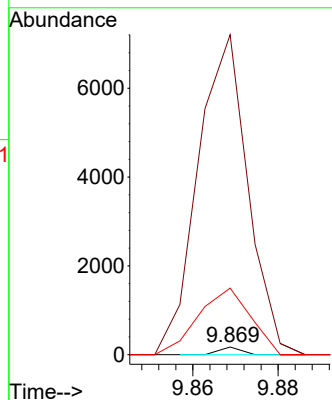
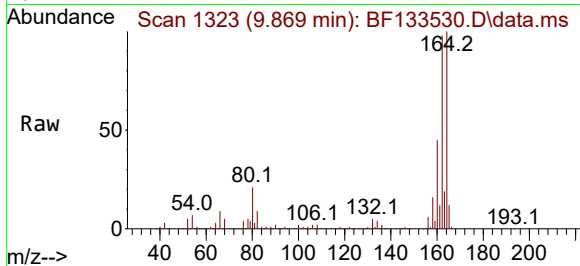




#53
3-Nitroaniline
Concen: 3.193 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

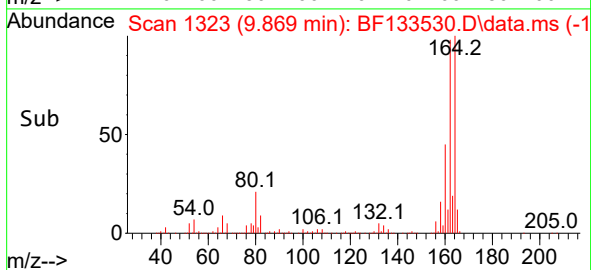
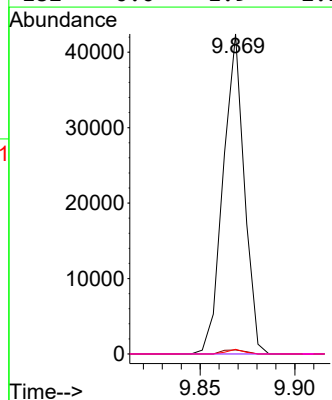
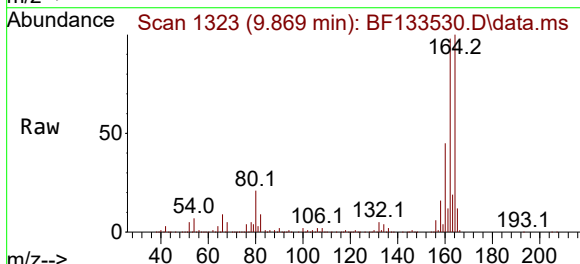
Instrument :
BNA_F
ClientSampleId :
SB26

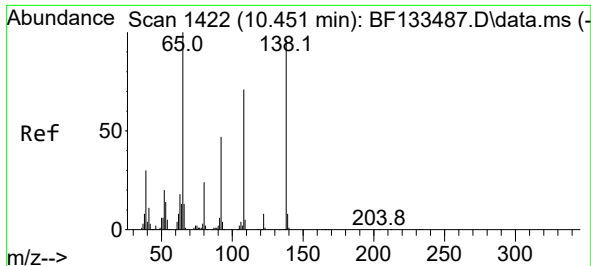
Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
108 4142.5 11.9 17.9#
92 860.9 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.549 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion:165 Resp: 32950
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#

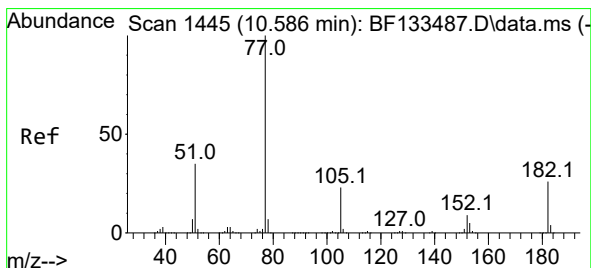
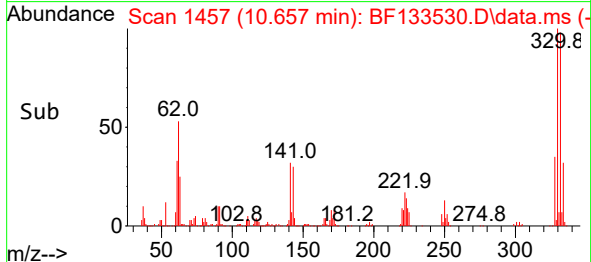
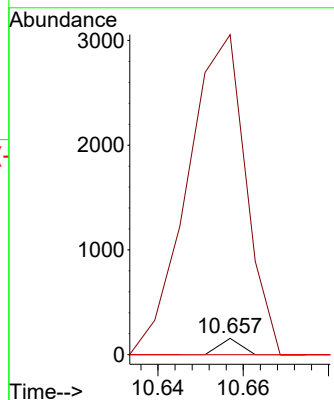
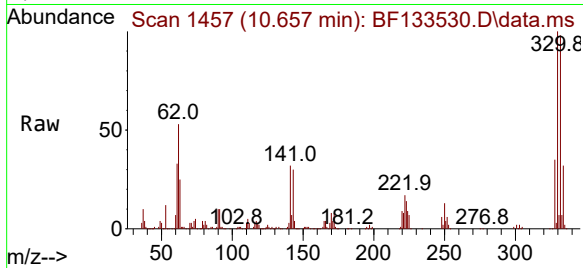




#62
4-Nitroaniline
Concen: 2.996 ng
RT: 10.657 min Scan# 1422
Delta R.T. 0.217 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

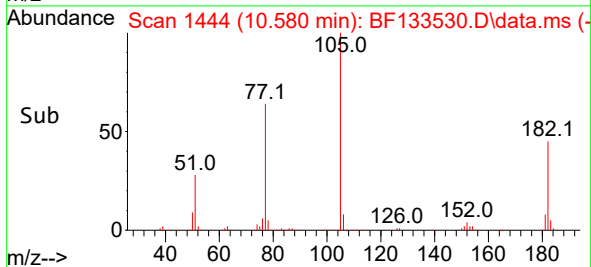
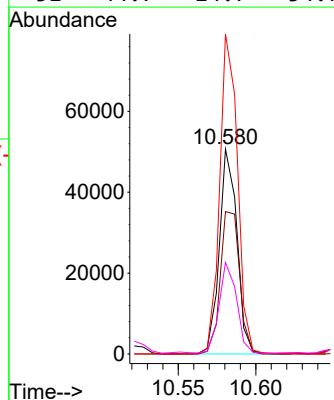
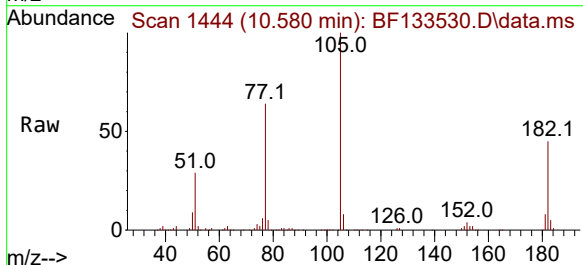
Instrument :
BNA_F
ClientSampleId :
SB26

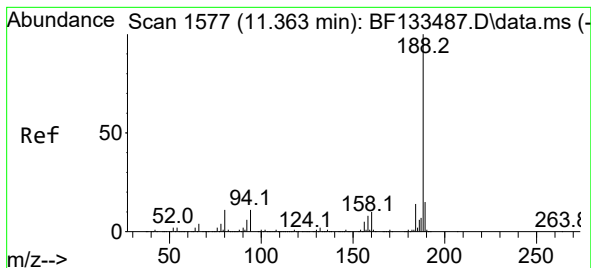
Tgt Ion:138 Resp: 55
Ion Ratio Lower Upper
138 100
92 1958.3 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 2.087 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion: 77 Resp: 40108
Ion Ratio Lower Upper
77 100
182 69.6 5.6 45.6#
105 156.3 2.6 42.6#
51 44.7 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

Instrument :

BNA_F

ClientSampleId :

SB26

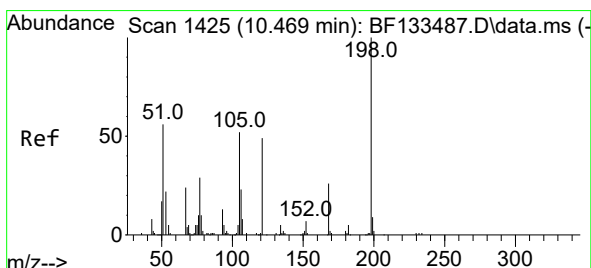
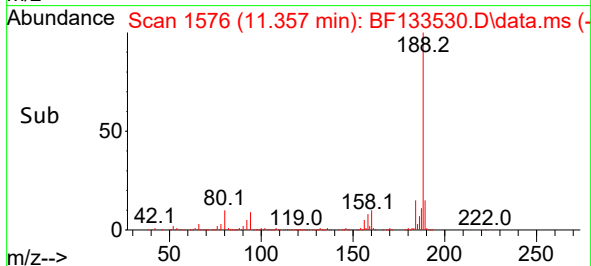
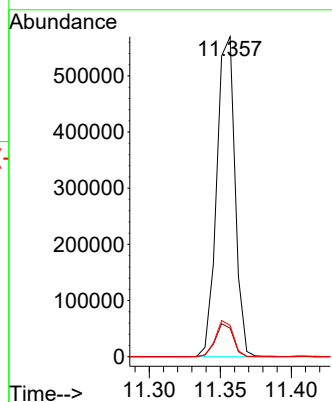
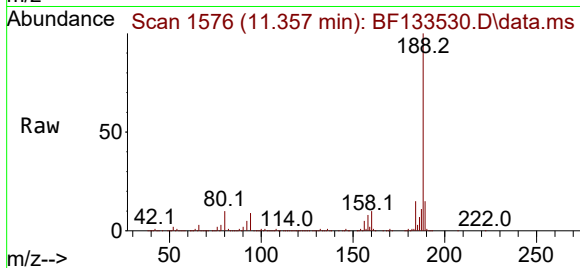
Tgt Ion:188 Resp: 508882

Ion Ratio Lower Upper

188 100

94 8.9 8.6 12.8

80 9.8 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.952 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133530.D

Acq: 30 May 2023 19:25

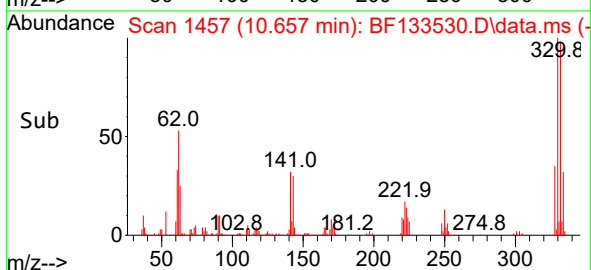
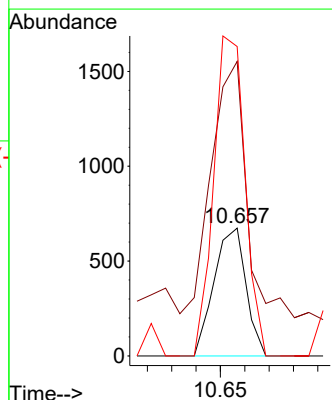
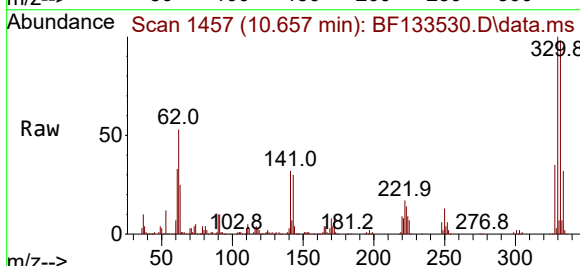
Tgt Ion:198 Resp: 612

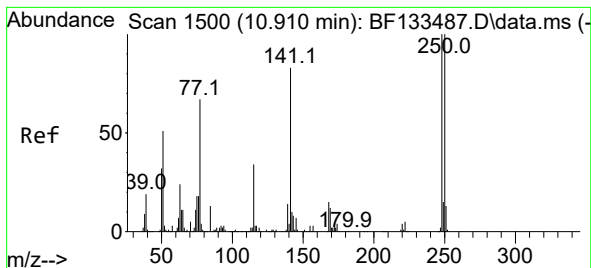
Ion Ratio Lower Upper

198 100

51 230.4 53.6 93.6#

105 242.0 35.9 75.9#

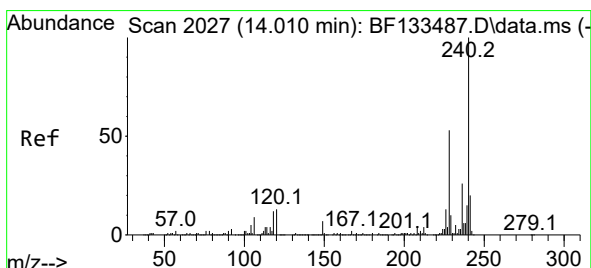
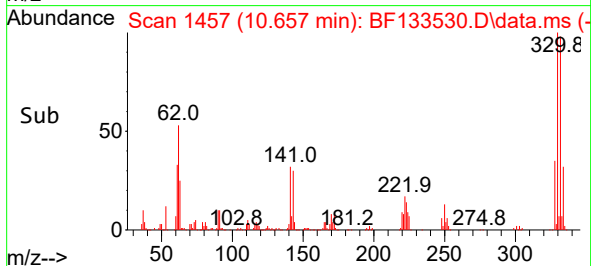
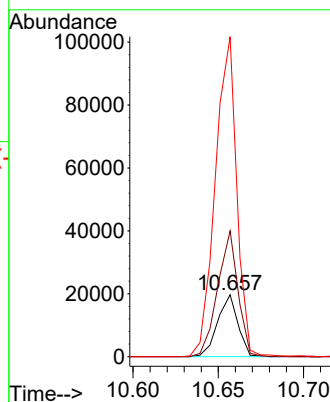
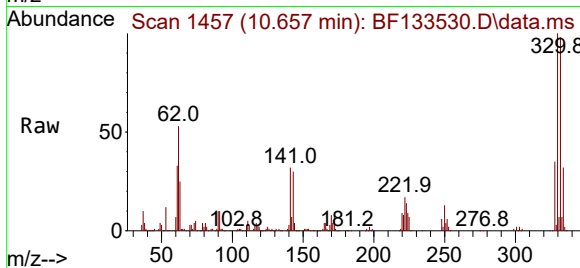




#67
4-Bromophenyl-phenylether
Concen: 3.020 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

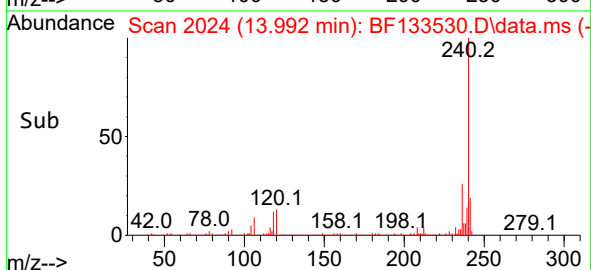
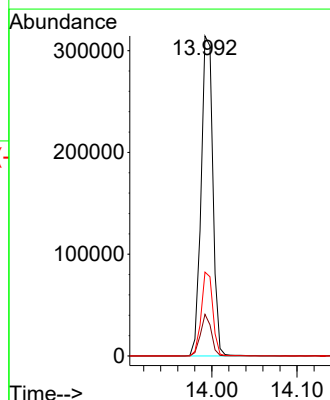
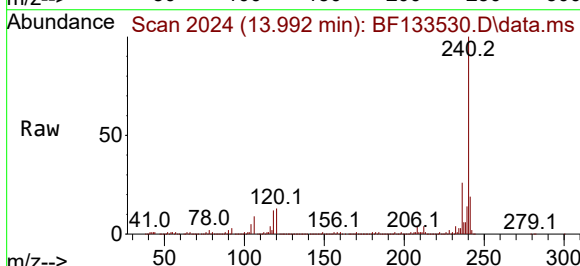
Instrument :
BNA_F
ClientSampleId :
SB26

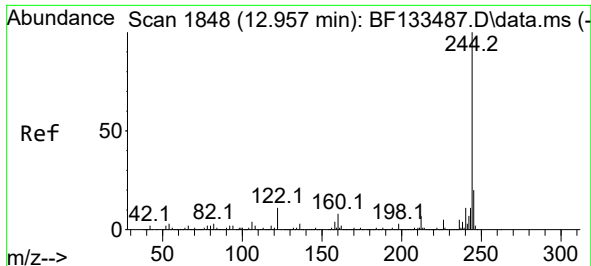
Tgt Ion:248 Resp: 16323
Ion Ratio Lower Upper
248 100
250 203.3 79.7 119.5#
141 517.2 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF133530.D
Acq: 30 May 2023 19:25

Tgt Ion:240 Resp: 301095
Ion Ratio Lower Upper
240 100
120 13.0 10.3 15.5
236 26.2 20.5 30.7

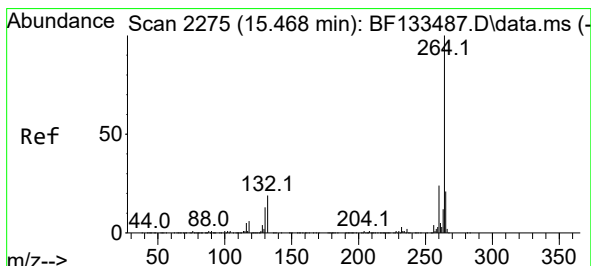
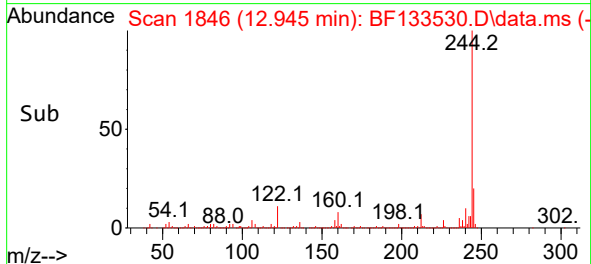
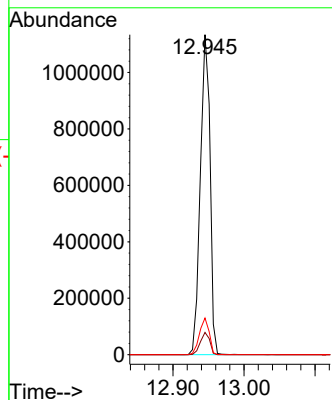
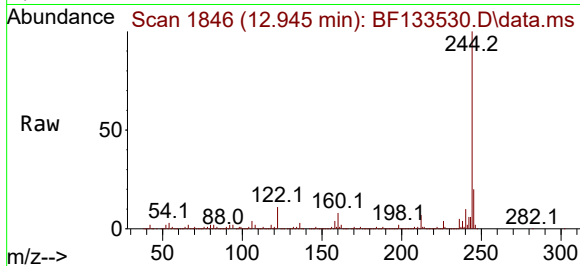




#79
 Terphenyl-d14
 Concen: 63.706 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133530.D
 Acq: 30 May 2023 19:25

Instrument :
 BNA_F
 ClientSampleId :
 SB26

Tgt Ion:244 Resp: 1078833
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 11.5 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF133530.D
 Acq: 30 May 2023 19:25

Tgt Ion:264 Resp: 283966
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.3 16.8 25.2

