

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133539.D
 Acq On : 31 May 2023 15:09
 Operator : CG\JU
 Sample : 02972-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-12-0A

Quant Time: May 31 16:20:24 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)

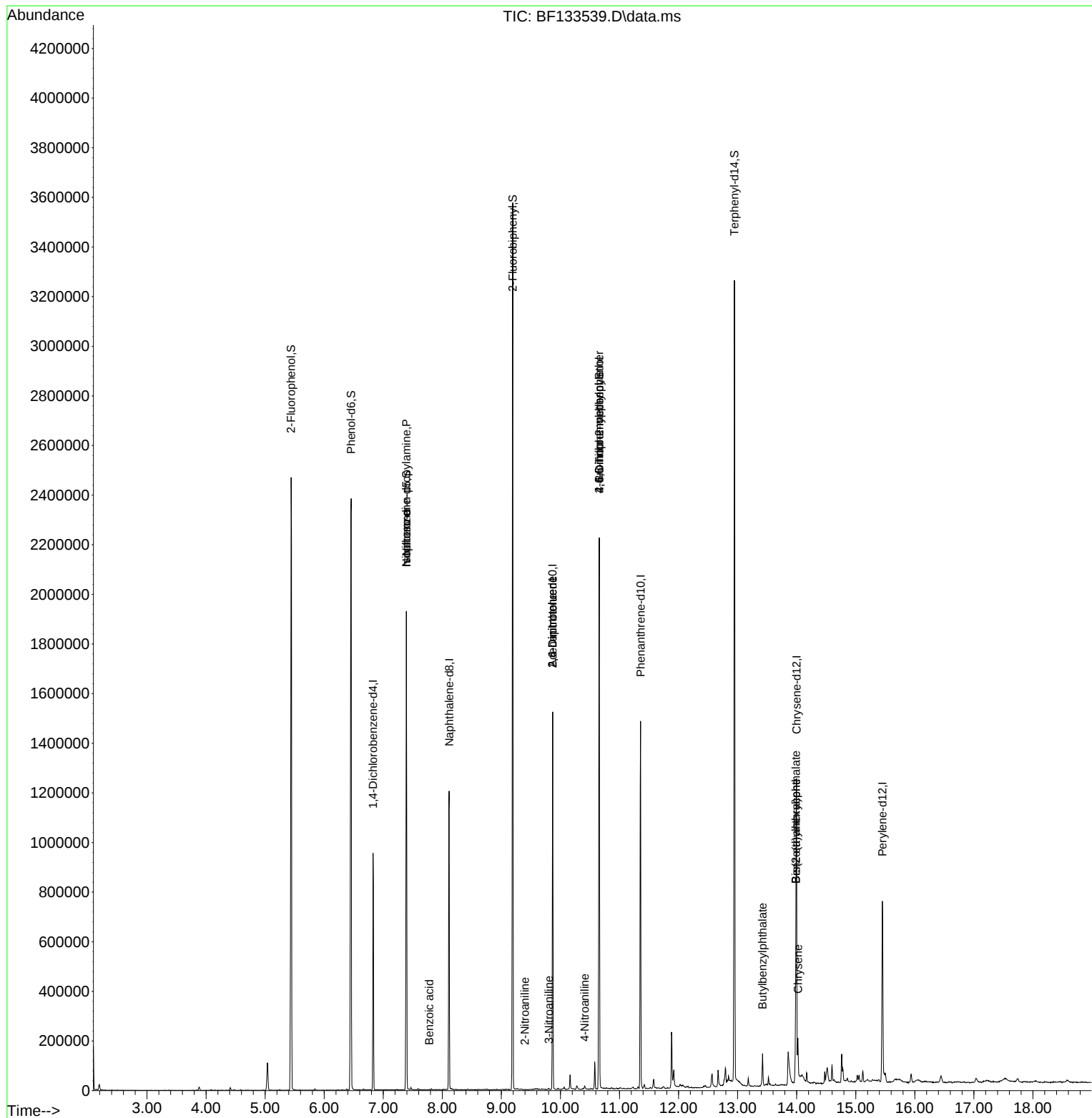
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	132273	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	511957	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	258165	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	515443	20.000	ng	0.00
76) Chrysene-d12	13.998	240	386195	20.000	ng	0.00
86) Perylene-d12	15.451	264	317408	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	697483	87.979	ng	0.00
7) Phenol-d6	6.457	99	840977	86.172	ng	0.00
23) Nitrobenzene-d5	7.392	82	540456	70.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	251749	97.826	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	988201	59.080	ng	0.00
79) Terphenyl-d14	12.945	244	1173983	54.048	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.375	77	163	Below Cal	#	76
19) n-Nitroso-di-n-propyla...	7.392	70	74287	11.765	ng	# 76
25) Isophorone	7.392	82	540253	30.232	ng	# 65
32) Benzoic acid	7.781	122	251	7.392	ng	# 61
48) 2-Nitroaniline	9.398	65	412	4.068	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	33863	12.745	ng	# 18
53) 3-Nitroaniline	9.804	138	385	3.263	ng	# 62
57) 2,4-Dinitrotoluene	9.869	165	33863	11.872	ng	# 15
62) 4-Nitroaniline	10.410	138	1843	3.381	ng	# 90
65) 4,6-Dinitro-2-methylph...	10.657	198	737	8.998	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	14702	2.686	ng	# 1
80) Butylbenzylphthalate	13.421	149	31163	2.397	ng	94
81) Benzo(a)anthracene	13.986	228	61835	2.404	ng	99
83) Chrysene	14.021	228	64370	2.478	ng	97
84) Bis(2-ethylhexyl)phtha...	13.986	149	50129	3.084	ng	98

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

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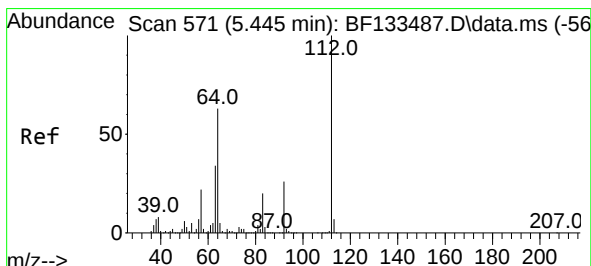
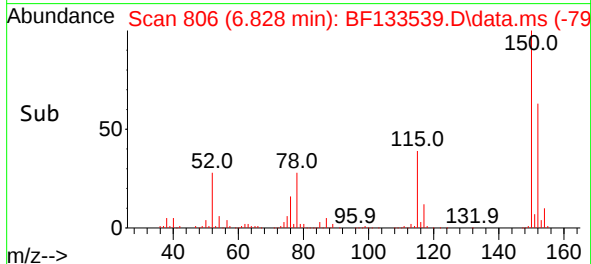
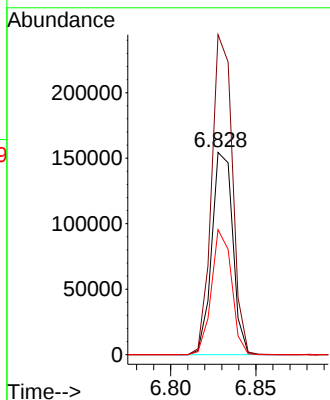
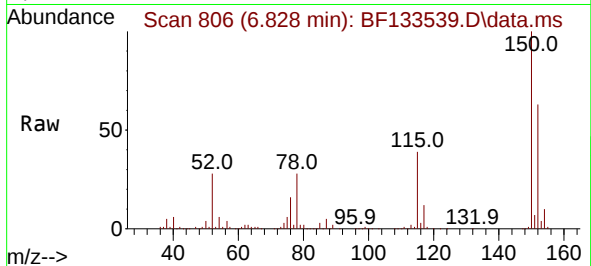




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

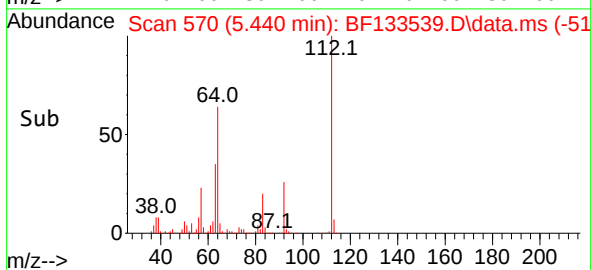
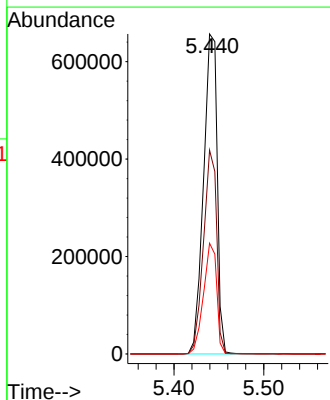
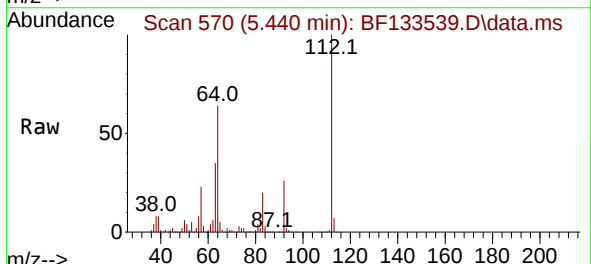
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

Tgt Ion:152 Resp: 132273
Ion Ratio Lower Upper
152 100
150 158.2 124.9 187.3
115 61.8 48.1 72.1



#5
2-Fluorophenol
Concen: 87.979 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion:112 Resp: 697483
Ion Ratio Lower Upper
112 100
64 63.7 50.1 75.1
63 34.6 27.5 41.3

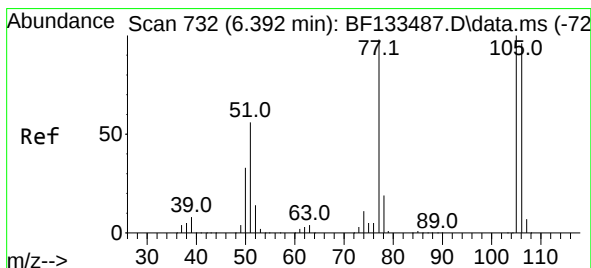
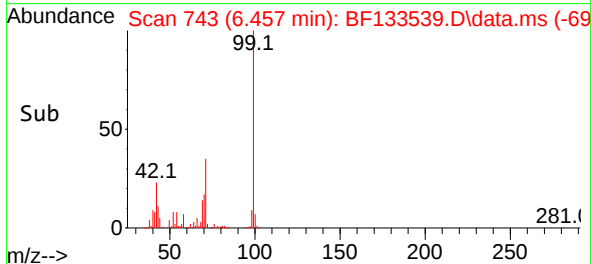
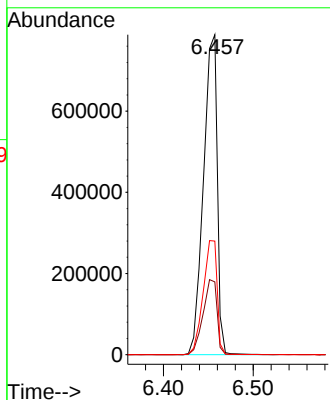
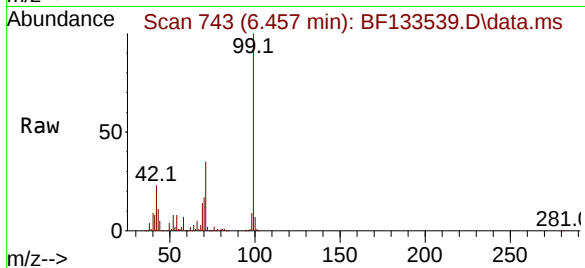




#7
Phenol-d6
Concen: 86.172 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

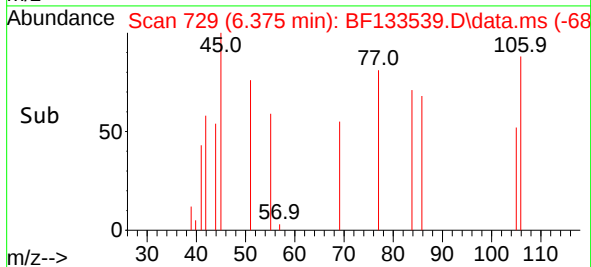
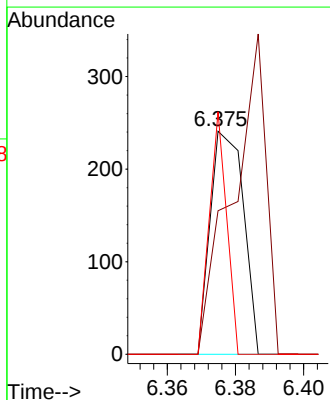
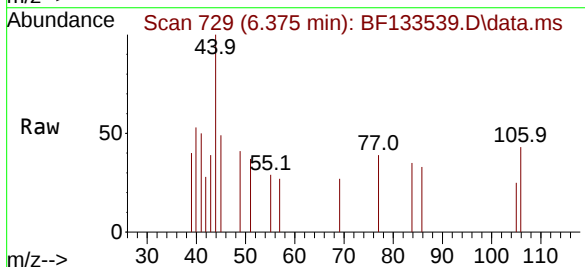
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

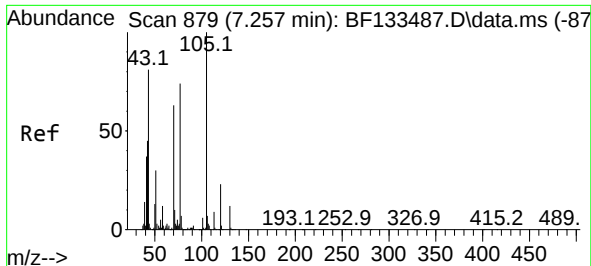
Tgt Ion: 99 Resp: 840977
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 35.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion: 77 Resp: 163
Ion Ratio Lower Upper
77 100
105 64.3 81.9 121.9#
106 108.7 77.8 117.8

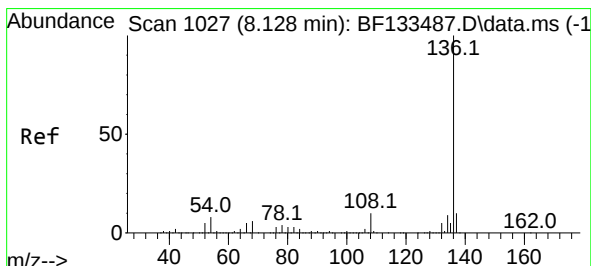
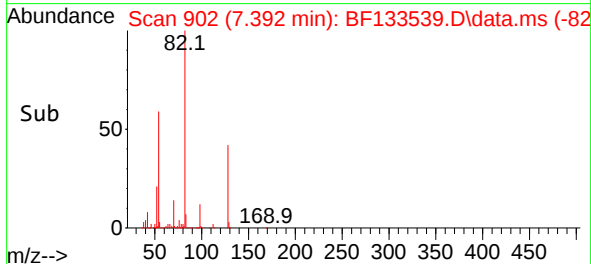
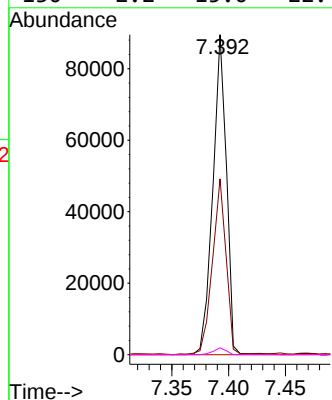
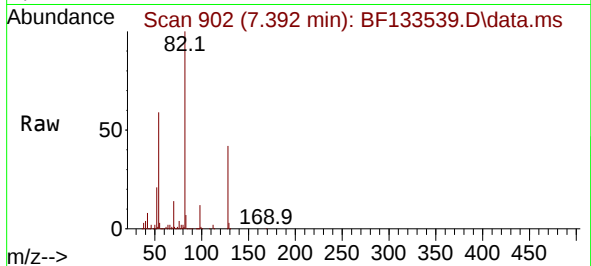




#19
n-Nitroso-di-n-propylamine
Concen: 11.765 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

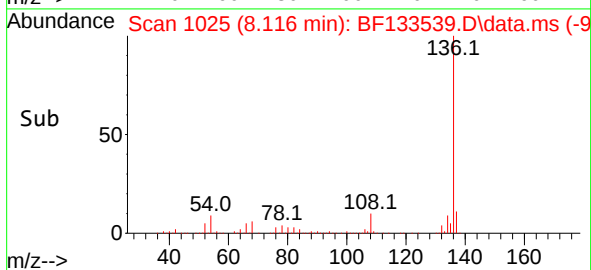
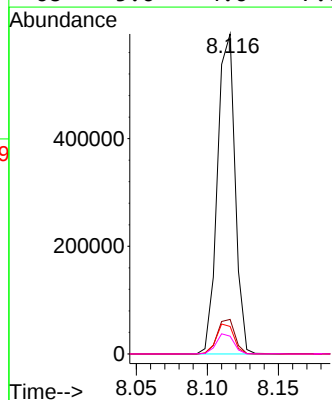
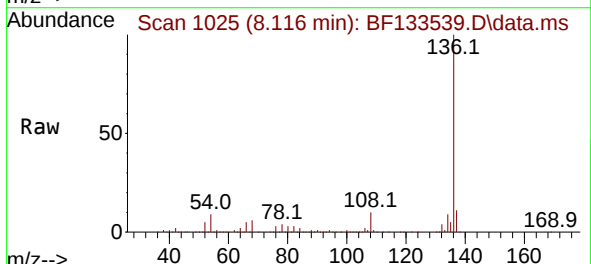
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

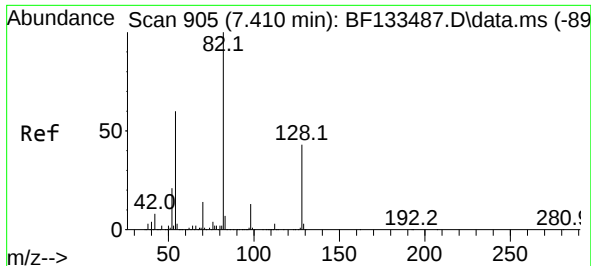
Tgt Ion: 70	Resp: 74287
Ion Ratio	Lower Upper
70	100
42	54.9 57.2 85.8#
101	0.0 7.3 10.9#
130	2.2 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion: 136	Resp: 511957
Ion Ratio	Lower Upper
136	100
137	10.8 8.2 12.4
54	8.6 6.6 10.0
68	5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 70.485 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

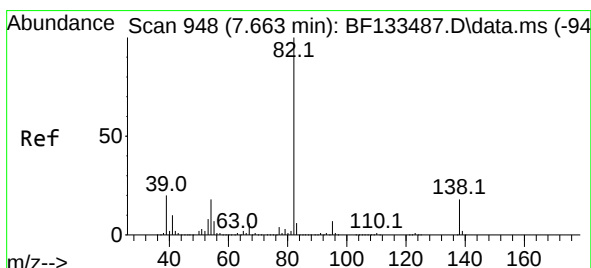
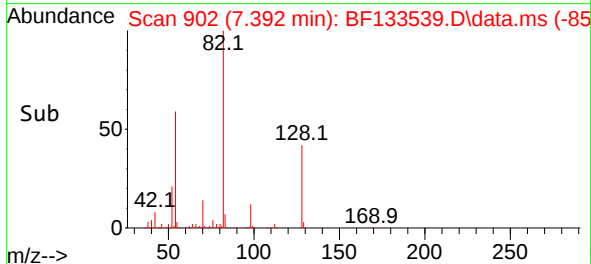
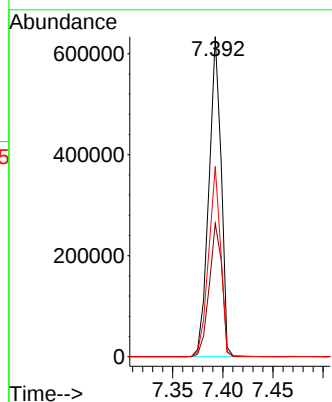
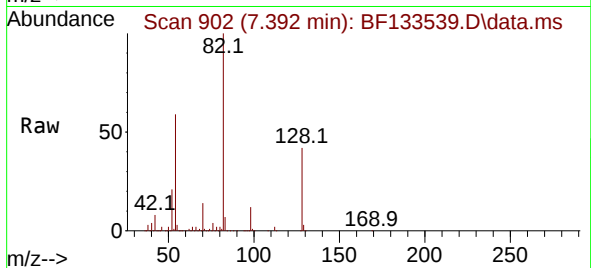
Tgt Ion: 82 Resp: 540456

Ion Ratio Lower Upper

82 100

128 41.6 34.2 51.4

54 59.5 48.2 72.4



#25

Isophorone

Concen: 30.232 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

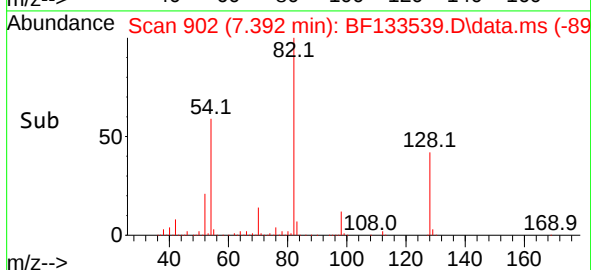
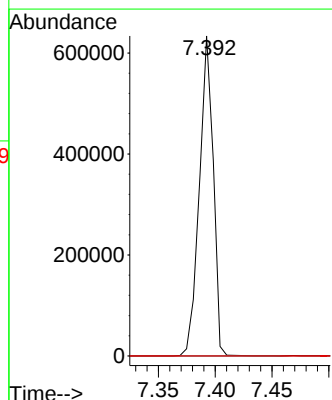
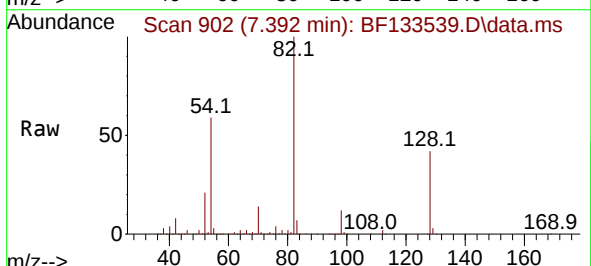
Tgt Ion: 82 Resp: 540253

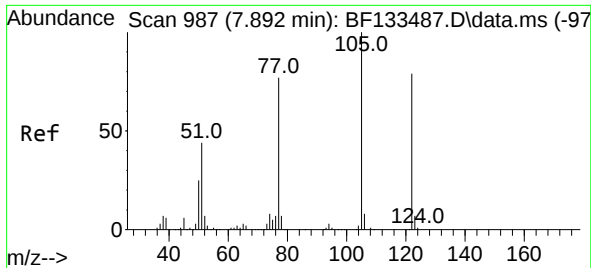
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

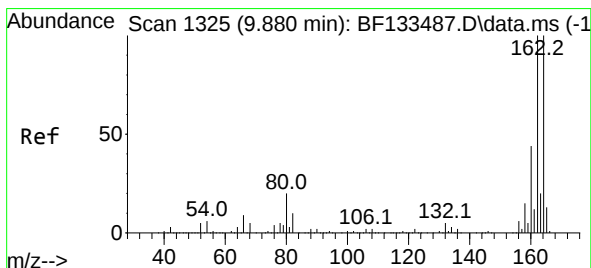
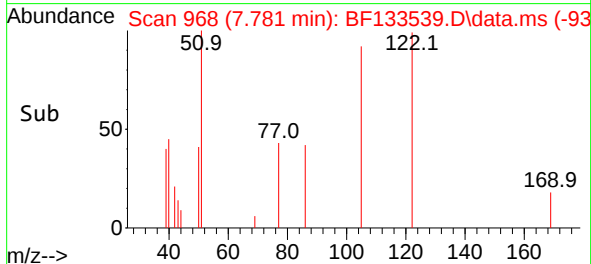
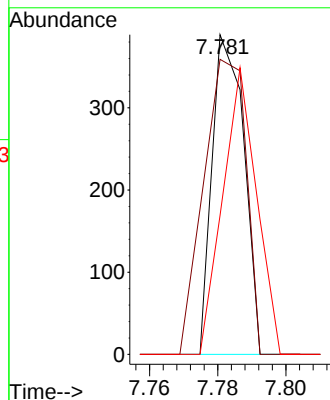
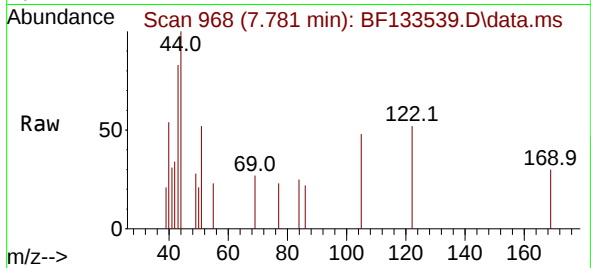




#32
Benzoic acid
Concen: 7.392 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.100 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

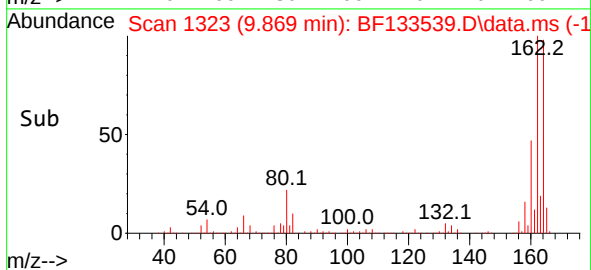
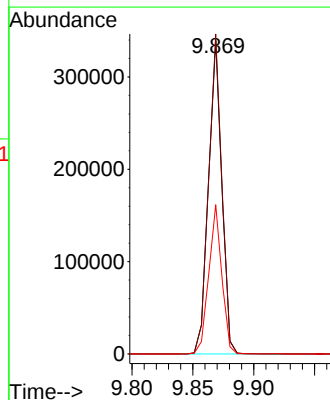
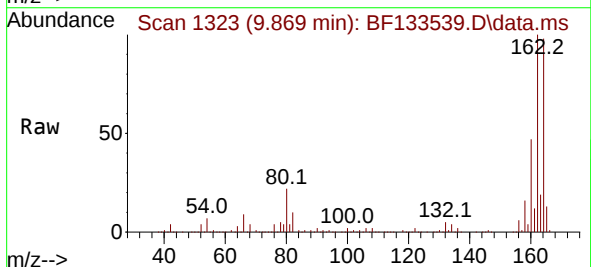
Instrument :
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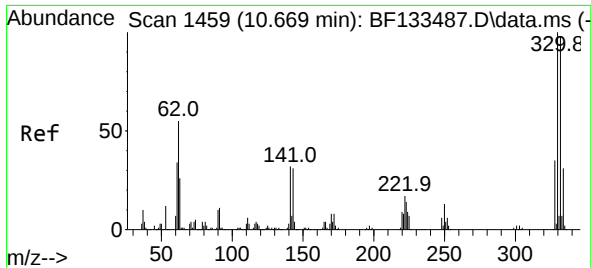
Tgt Ion:122 Resp: 251
Ion Ratio Lower Upper
122 100
105 92.3 103.3 143.3#
77 43.4 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion:164 Resp: 258165
Ion Ratio Lower Upper
164 100
162 102.2 79.7 119.5
160 47.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 97.826 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

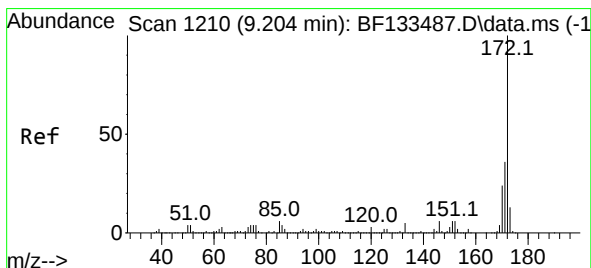
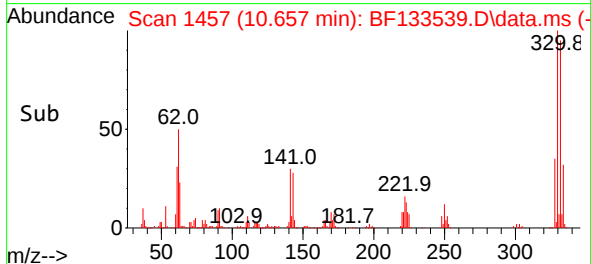
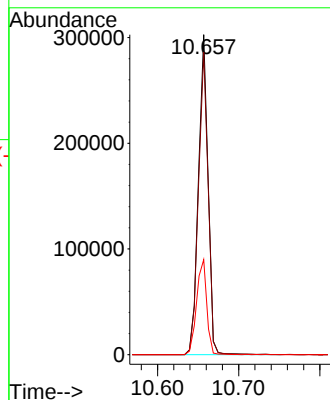
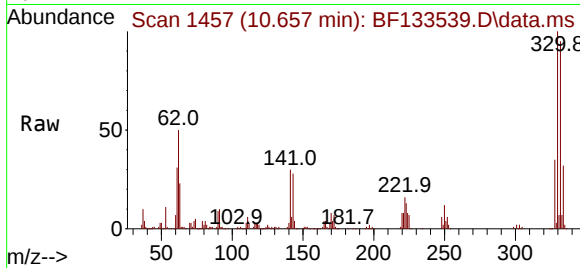
Tgt Ion:330 Resp: 251749

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

141 31.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 59.080 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

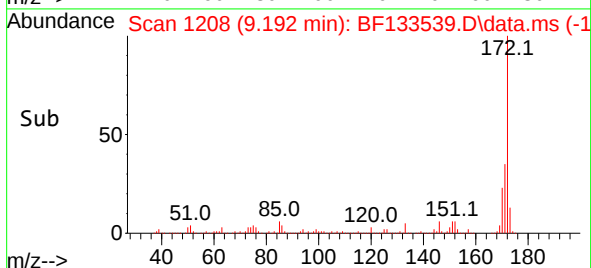
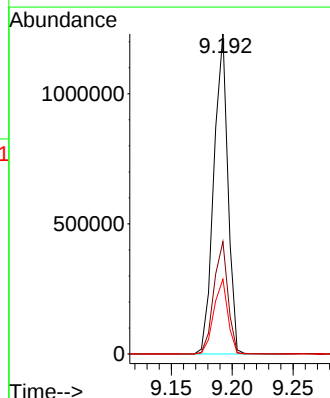
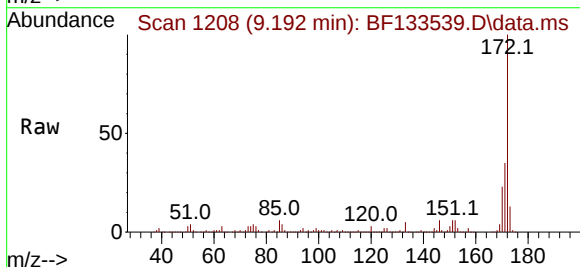
Tgt Ion:172 Resp: 988201

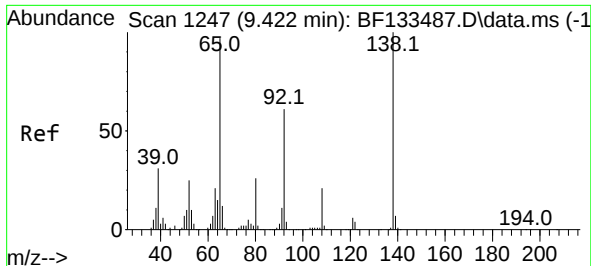
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.3 19.3 28.9

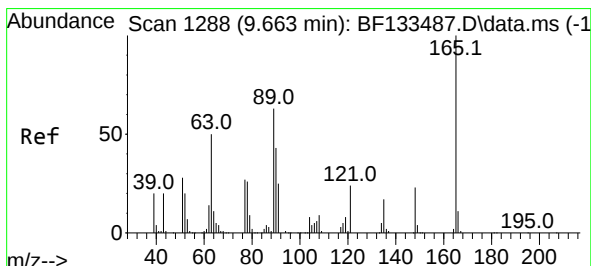
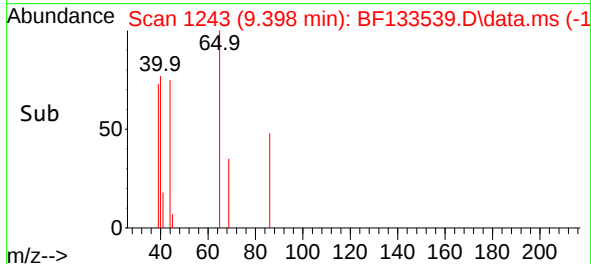
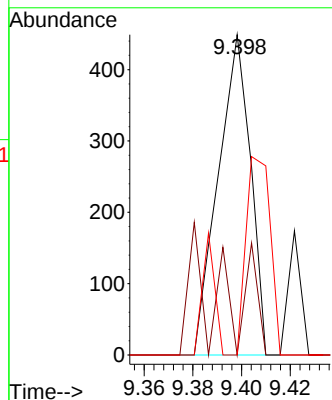
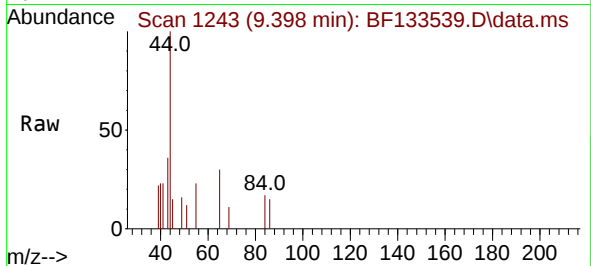




#48
2-Nitroaniline
Concen: 4.068 ng
RT: 9.398 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

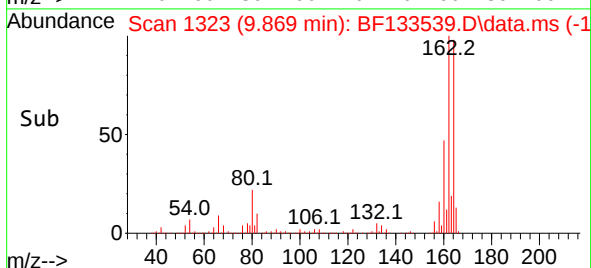
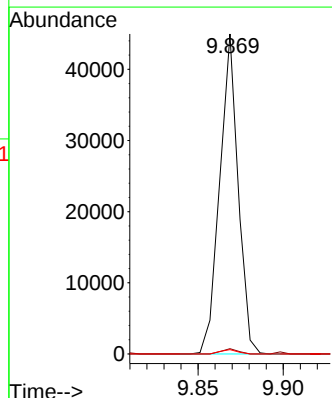
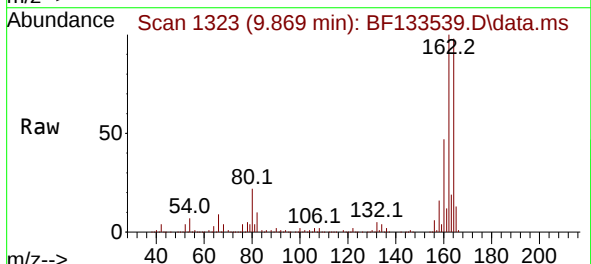
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

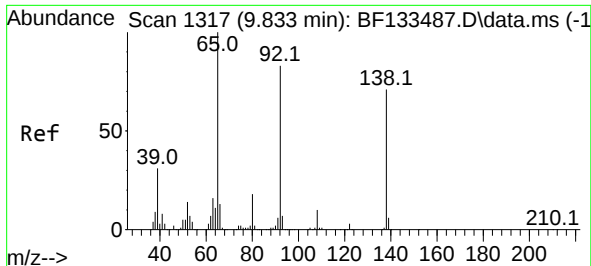
Tgt Ion: 65 Resp: 412
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.745 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion: 165 Resp: 33863
Ion Ratio Lower Upper
165 100
63 1.7 57.0 85.4#
89 1.4 50.8 76.2#

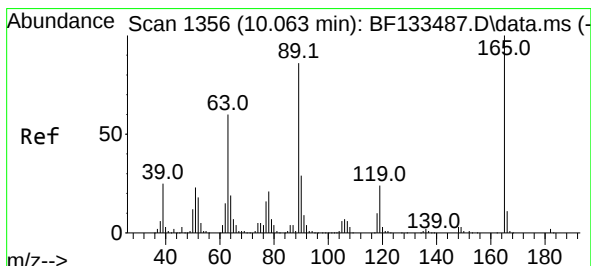
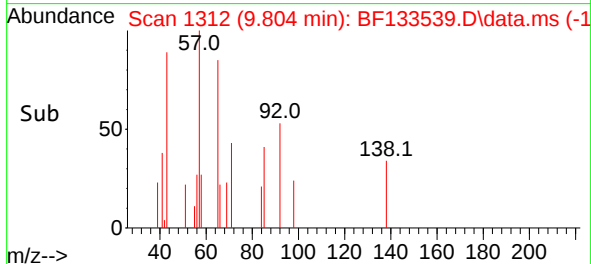
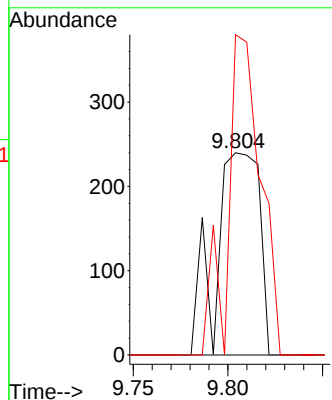
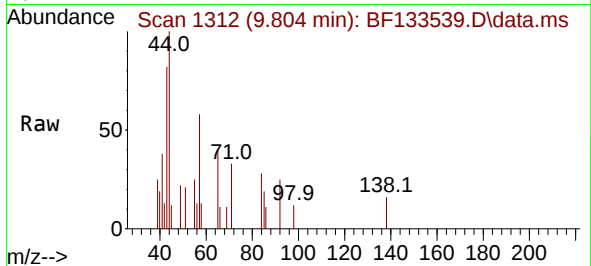




#53
3-Nitroaniline
Concen: 3.263 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

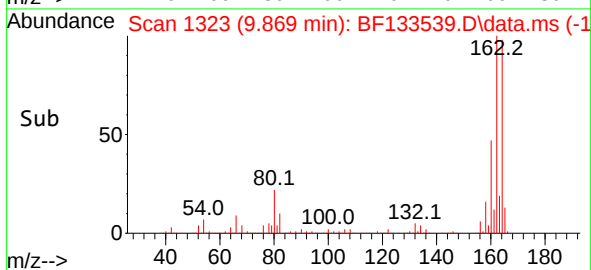
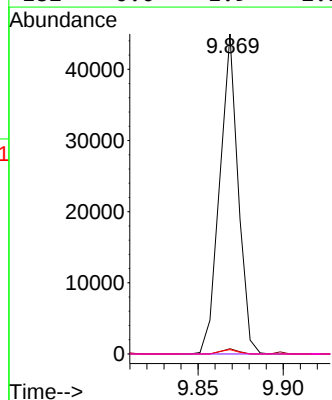
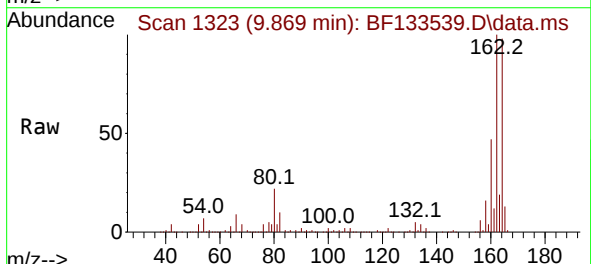
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

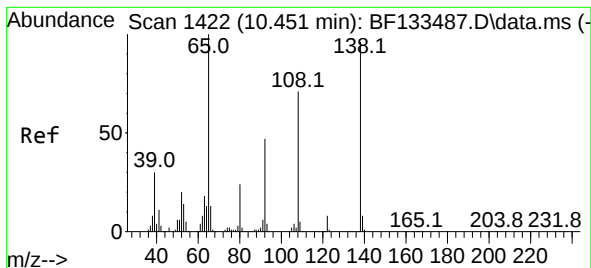
Tgt Ion:138 Resp: 385
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 158.3 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.872 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion:165 Resp: 33863
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#

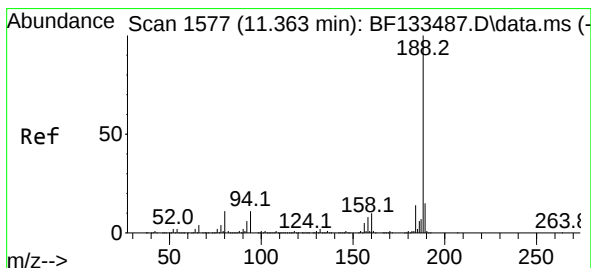
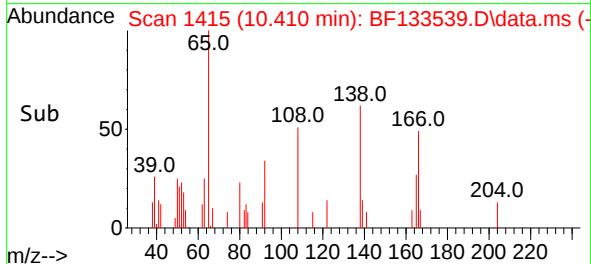
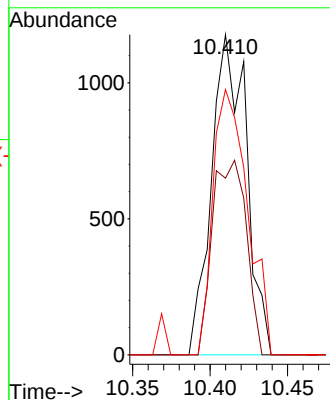
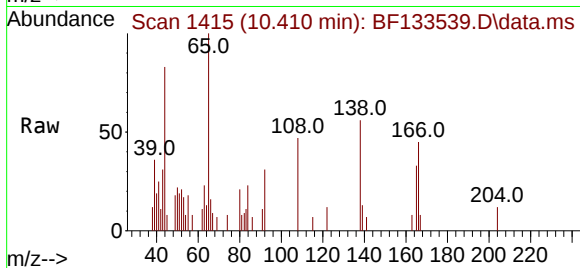




#62
4-Nitroaniline
Concen: 3.381 ng
RT: 10.410 min Scan# 1422
Delta R.T. -0.030 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

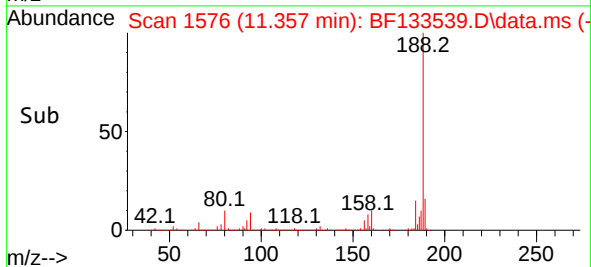
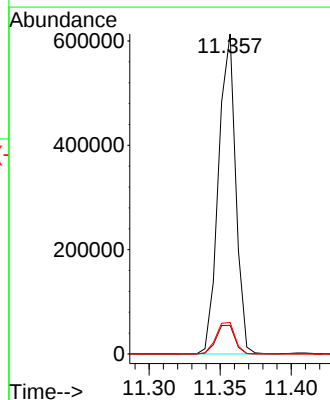
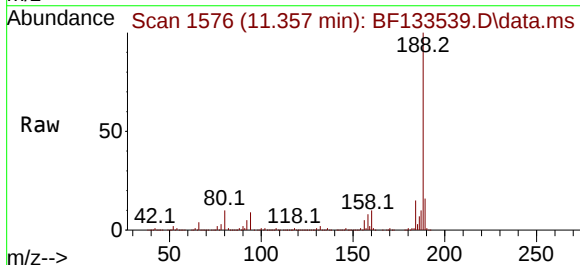
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

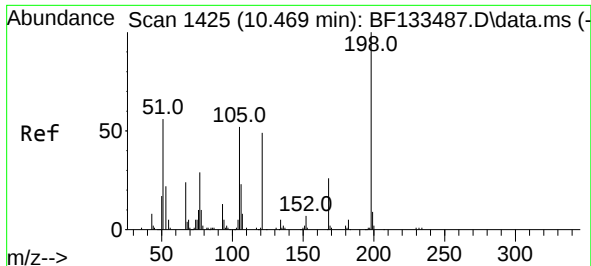
Tgt Ion:138 Resp: 1843
Ion Ratio Lower Upper
138 100
92 55.1 28.4 68.4
108 82.8 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion:188 Resp: 515443
Ion Ratio Lower Upper
188 100
94 9.0 8.6 12.8
80 9.8 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.998 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

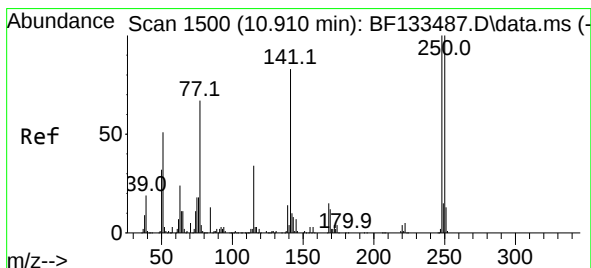
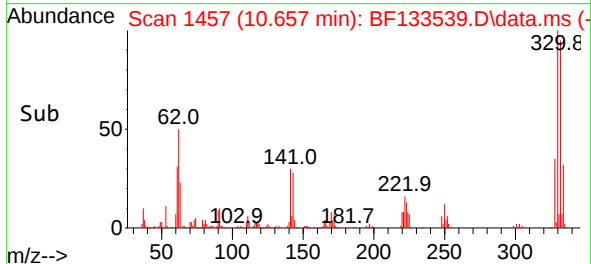
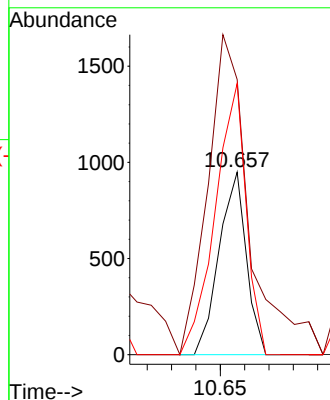
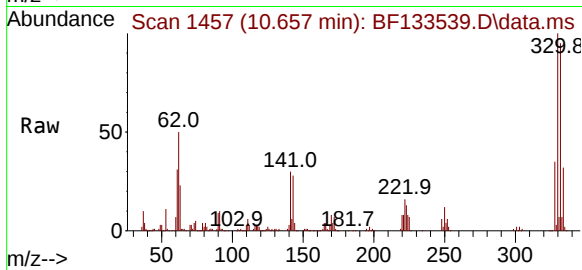
Tgt Ion:198 Resp: 737

Ion Ratio Lower Upper

198 100

51 150.8 53.6 93.6#

105 148.6 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.686 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

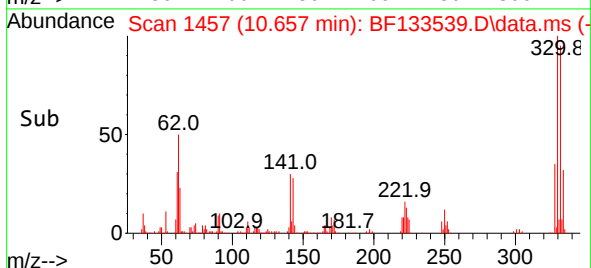
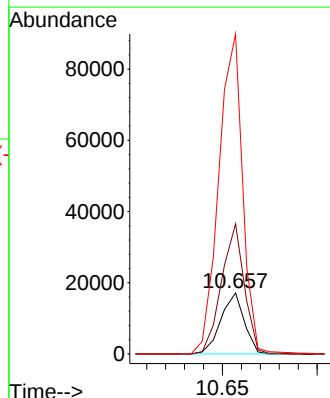
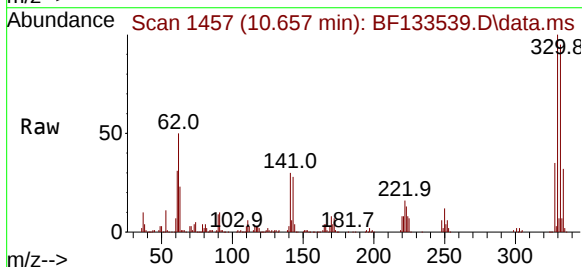
Tgt Ion:248 Resp: 14702

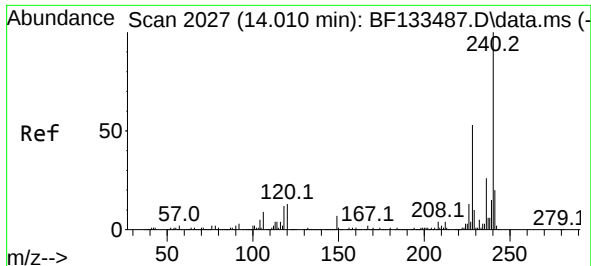
Ion Ratio Lower Upper

248 100

250 213.6 79.7 119.5#

141 525.2 66.6 100.0#

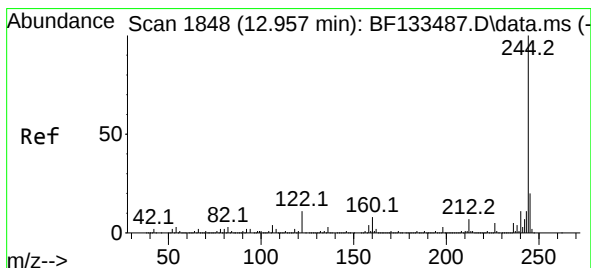
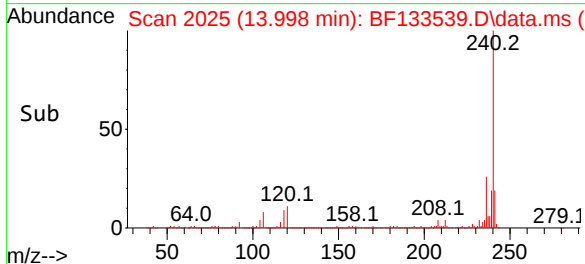
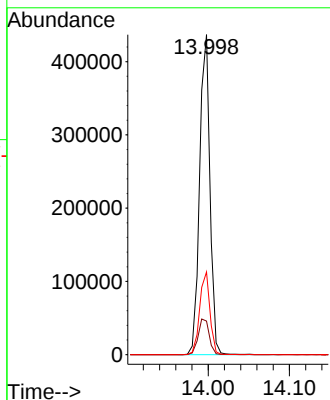
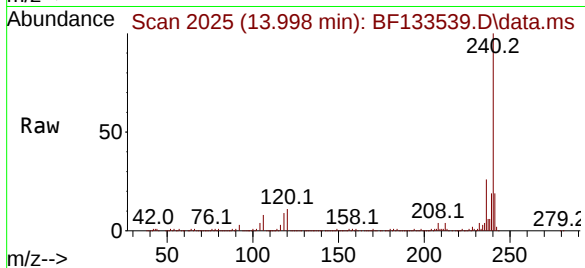




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

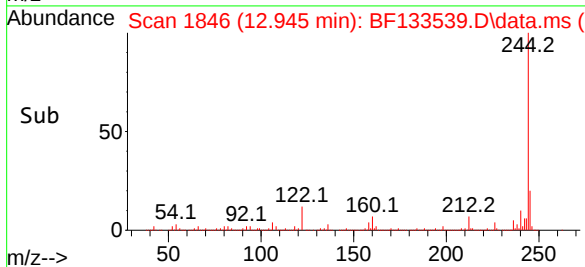
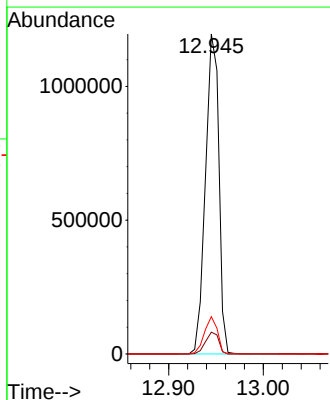
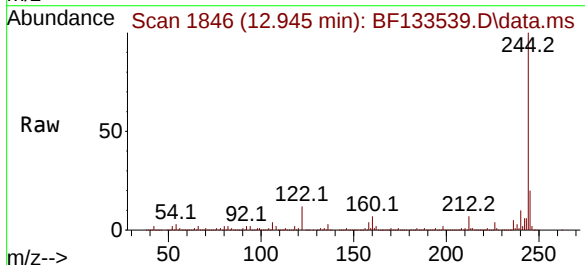
Instrument :
BNA_F
ClientSampleId :
TP-12-0A

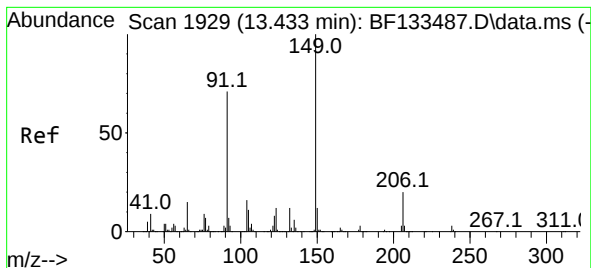
Tgt Ion:240 Resp: 386195
Ion Ratio Lower Upper
240 100
120 10.5 10.3 15.5
236 25.9 20.5 30.7



#79
Terphenyl-d14
Concen: 54.048 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF133539.D
Acq: 31 May 2023 15:09

Tgt Ion:244 Resp: 1173983
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 11.7 8.5 12.7





#80

Butylbenzylphthalate

Concen: 2.397 ng

RT: 13.421 min Scan# 1929

Delta R.T. -0.006 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

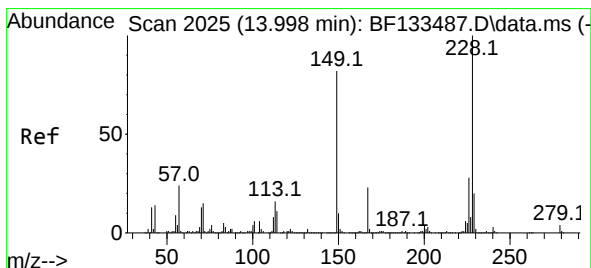
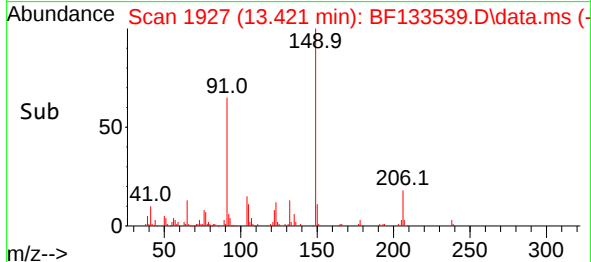
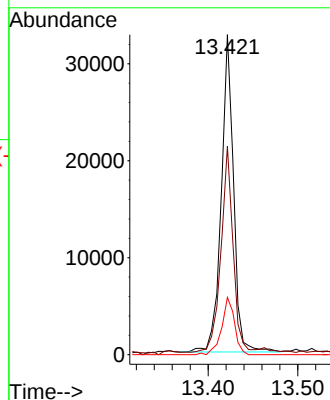
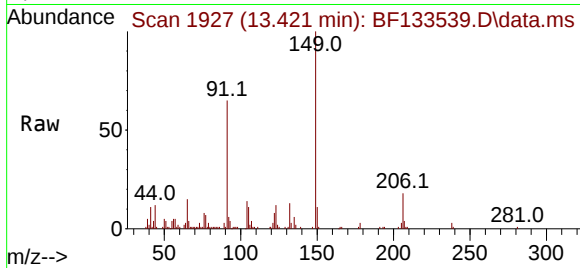
Tgt Ion:149 Resp: 31163

Ion Ratio Lower Upper

149 100

91 65.2 56.9 85.3

206 17.9 15.7 23.5



#81

Benzo(a)anthracene

Concen: 2.404 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

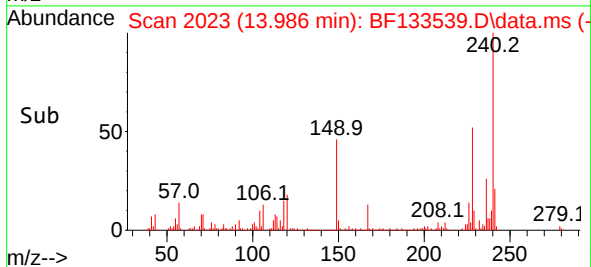
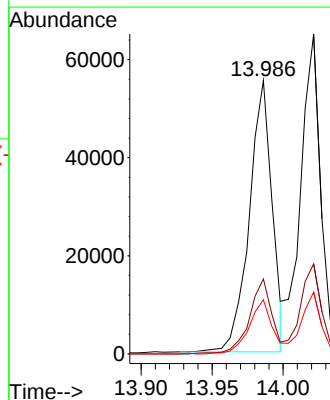
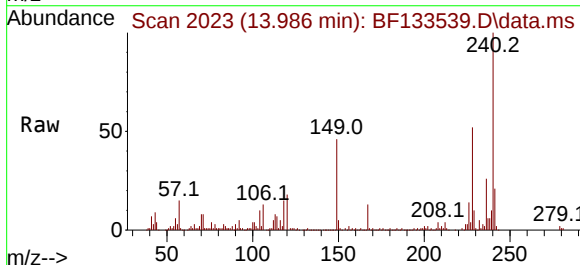
Tgt Ion:228 Resp: 61835

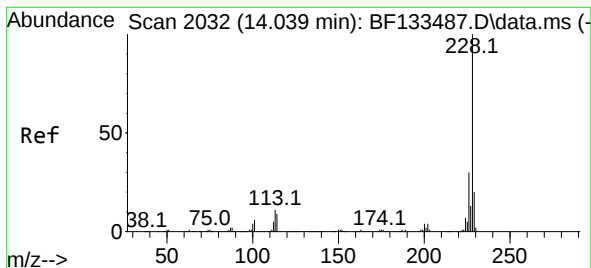
Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

229 19.8 16.1 24.1





#83

Chrysene

Concen: 2.478 ng

RT: 14.021 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

TP-12-0A

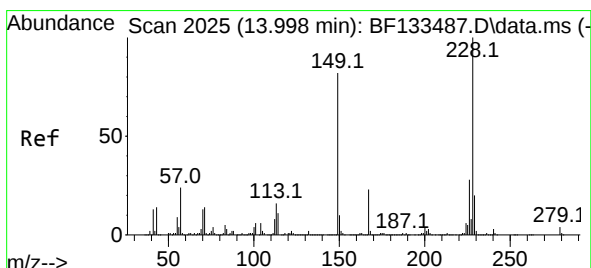
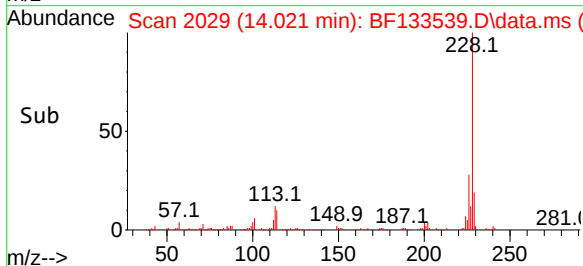
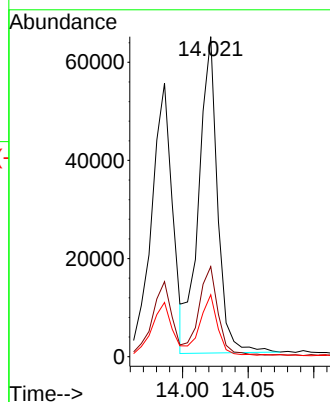
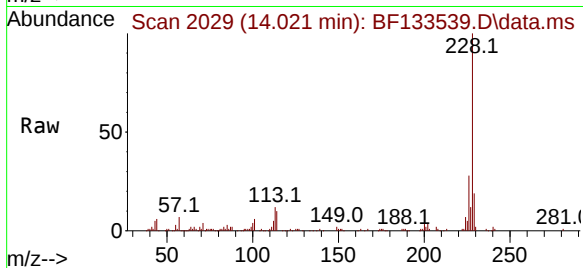
Tgt Ion:228 Resp: 64370

Ion Ratio Lower Upper

228 100

226 28.1 24.1 36.1

229 19.3 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.084 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF133539.D

Acq: 31 May 2023 15:09

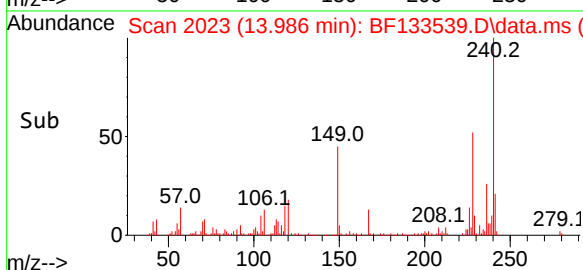
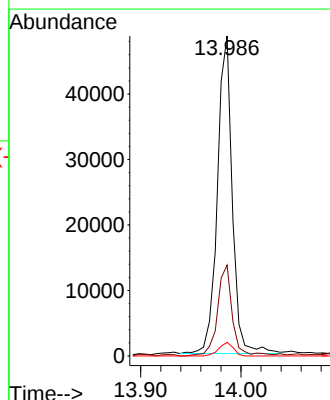
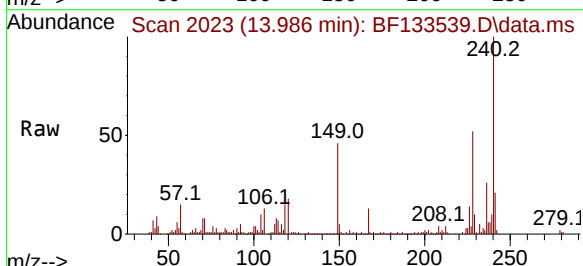
Tgt Ion:149 Resp: 50129

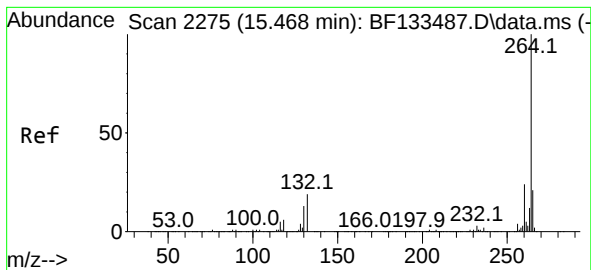
Ion Ratio Lower Upper

149 100

167 28.4 22.0 33.0

279 4.3 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: BF133539.D

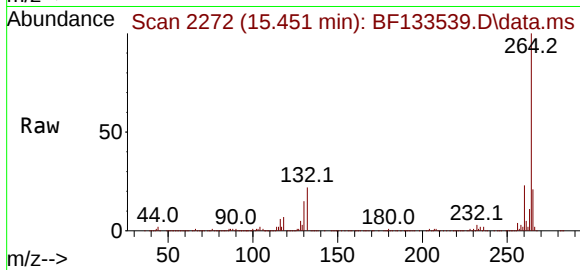
Acq: 31 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

TP-12-0A



Tgt Ion:264 Resp: 317408

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.4

265 21.1 16.8 25.2

