

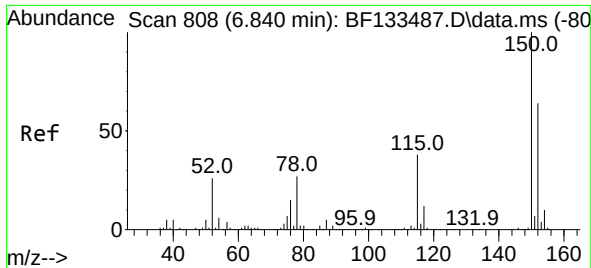
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133641.D
 Acq On : 08 Jun 2023 14:31
 Operator : CG\JU
 Sample : 03049-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-060523

Quant Time: Jun 08 14:51:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	135834	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	502840	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	234116	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	388663	20.000	ng	0.00
76) Chrysene-d12	14.009	240	251987	20.000	ng	0.00
86) Perylene-d12	15.480	264	201651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	476065	58.476	ng	0.01
7) Phenol-d6	6.463	99	575076	57.381	ng	0.00
23) Nitrobenzene-d5	7.398	82	365864	48.581	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	137090	58.743	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	700973	46.213	ng	0.00
79) Terphenyl-d14	12.957	244	588863	41.549	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	560	Below Cal	Qvalue #	68
19) n-Nitroso-di-n-propyla...	7.398	70	50233	7.747 ng	#	77
25) Isophorone	7.398	82	363911	20.733 ng	#	65
32) Benzoic acid	8.116	122	119	7.370 ng	#	1
48) 2-Nitroaniline	9.522	65	137	4.019 ng	#	6
51) 2,6-Dinitrotoluene	9.874	165	31182	12.885 ng	#	18
53) 3-Nitroaniline	10.074	138	80	3.199 ng	#	1
57) 2,4-Dinitrotoluene	9.874	165	31182	11.982 ng	#	16
62) 4-Nitroaniline	10.421	138	82	3.004 ng	#	19
65) 4,6-Dinitro-2-methylph...	10.663	198	292	8.862 ng	#	1
67) 4-Bromophenyl-phenylether	10.663	248	9043	2.191 ng	#	1
88) Benzo(b)fluoranthene	15.045	252	40680	3.098 ng	#	78
89) Benzo(k)fluoranthene	15.045	252	40680	3.177 ng	#	79

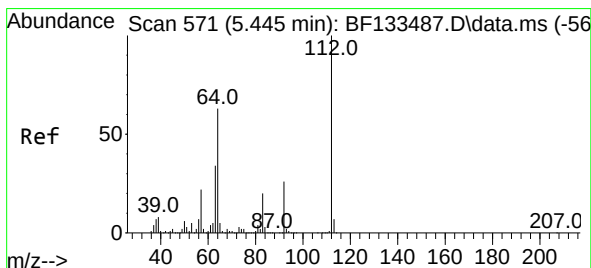
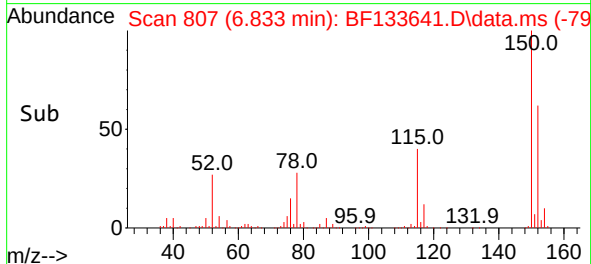
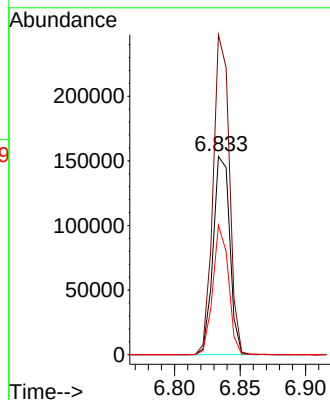
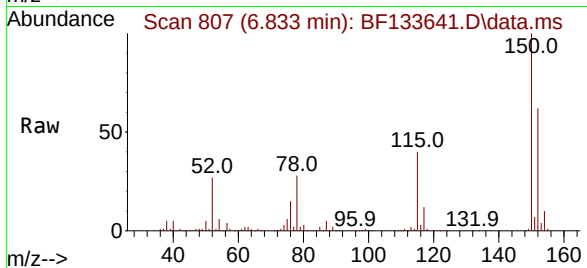
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

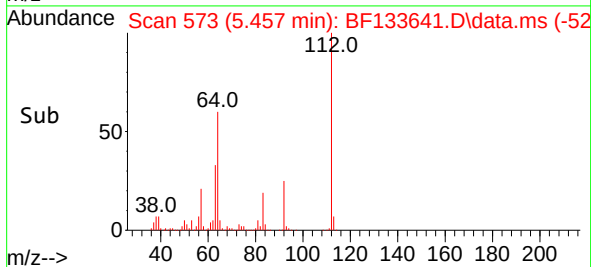
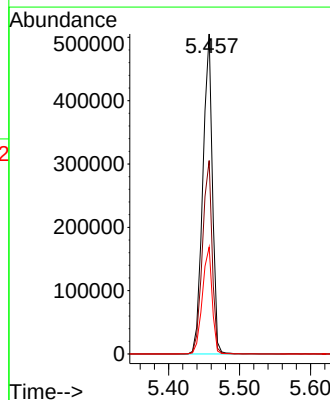
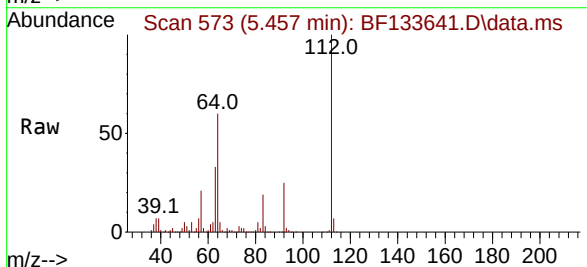
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

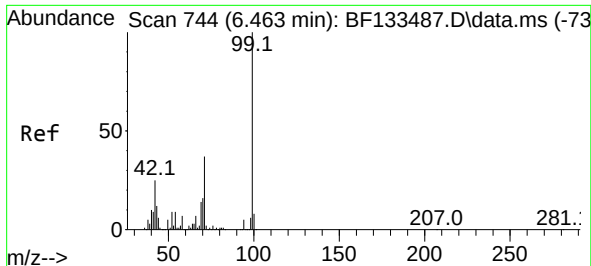
Tgt Ion:152 Resp: 135834
Ion Ratio Lower Upper
152 100
150 161.4 124.9 187.3
115 65.3 48.1 72.1



#5
2-Fluorophenol
Concen: 58.476 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion:112 Resp: 476065
Ion Ratio Lower Upper
112 100
64 60.5 50.1 75.1
63 33.4 27.5 41.3

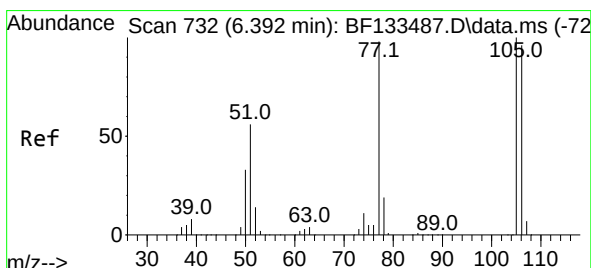
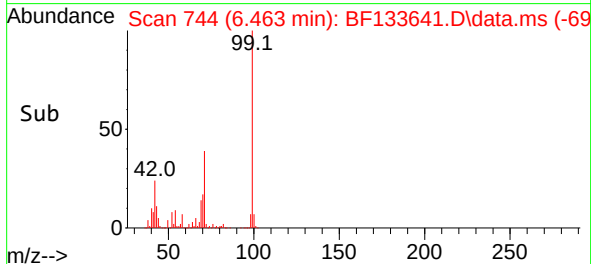
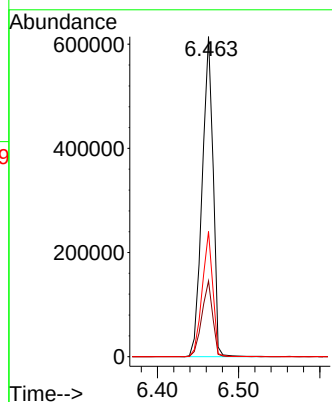
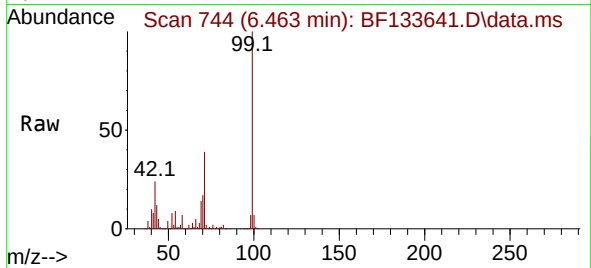




#7
Phenol-d6
Concen: 57.381 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

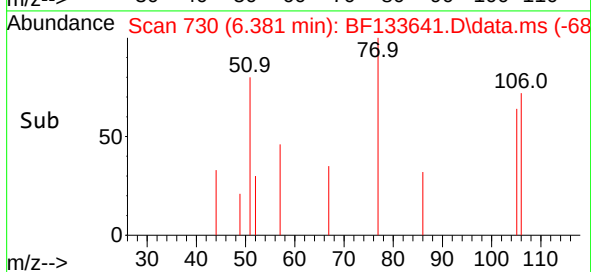
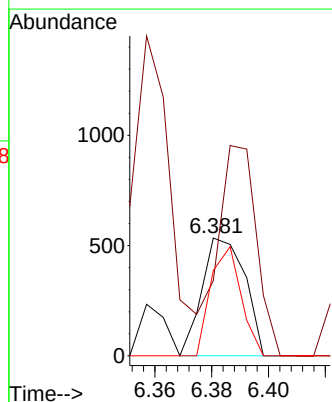
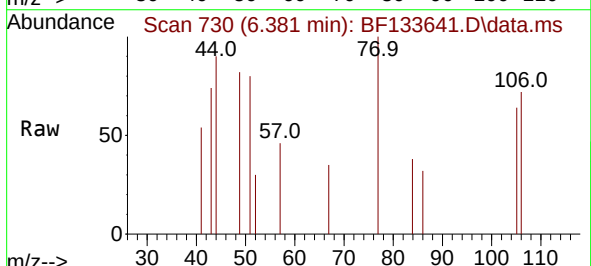
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ClientSampleId :
HR-01-060523

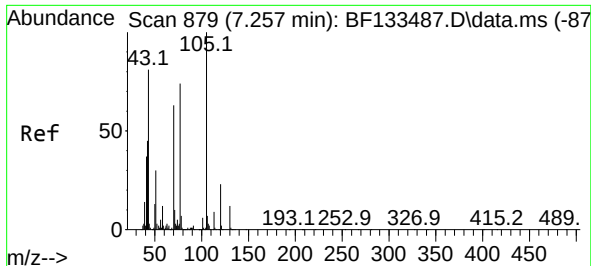
Tgt Ion: 99 Resp: 575076
Ion Ratio Lower Upper
99 100
42 23.7 19.7 29.5
71 39.1 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion: 77 Resp: 560
Ion Ratio Lower Upper
77 100
105 63.9 81.9 121.9#
106 72.5 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 7.747 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133641.D

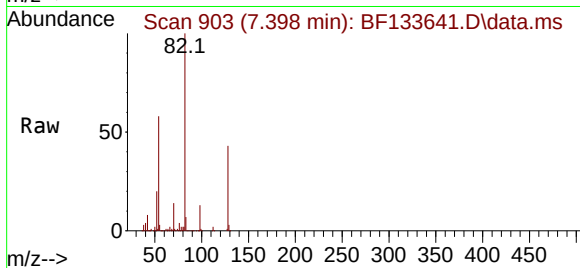
Acq: 08 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

HR-01-060523



Tgt Ion: 70 Resp: 50233

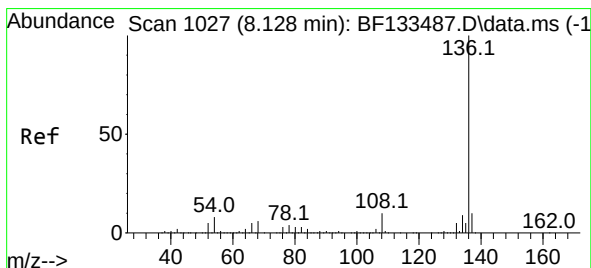
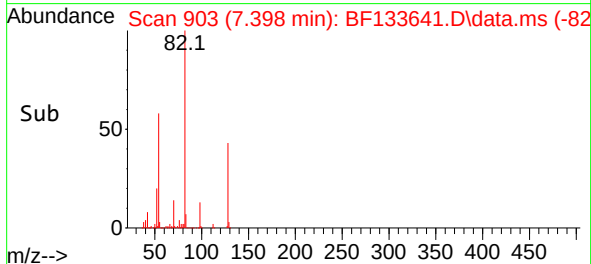
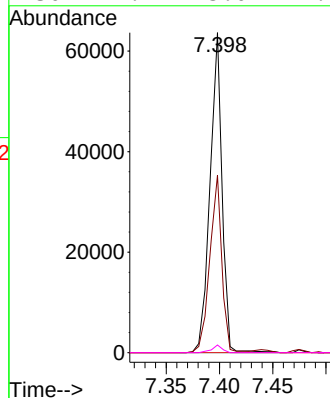
Ion Ratio Lower Upper

70 100

42 55.4 57.2 85.8#

101 0.0 7.3 10.9#

130 2.4 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.000 min

Lab File: BF133641.D

Acq: 08 Jun 2023 14:31

Tgt Ion: 136 Resp: 502840

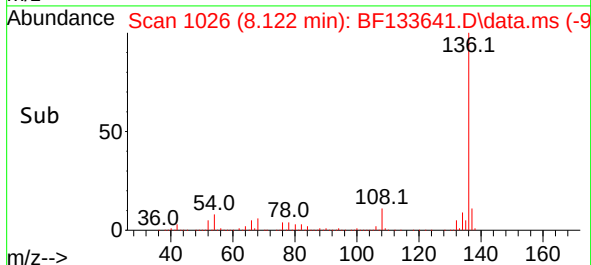
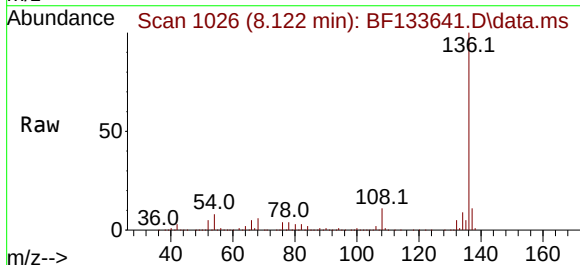
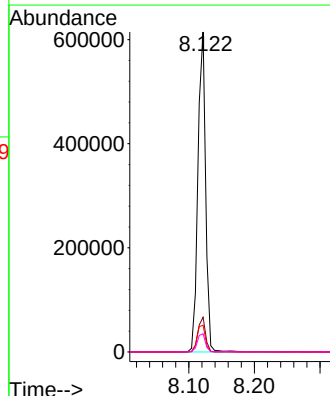
Ion Ratio Lower Upper

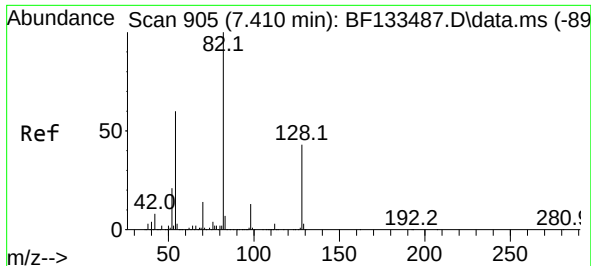
136 100

137 10.9 8.2 12.4

54 8.3 6.6 10.0

68 5.7 4.6 7.0

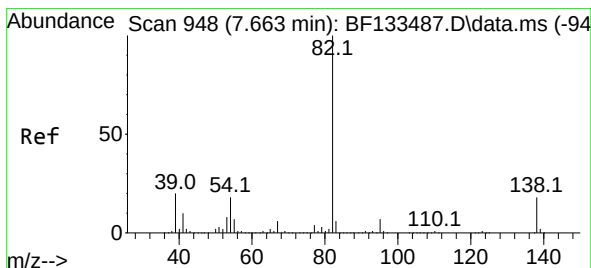
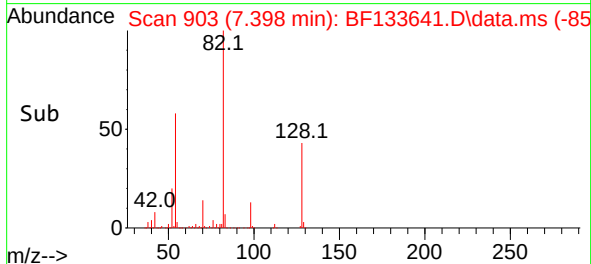
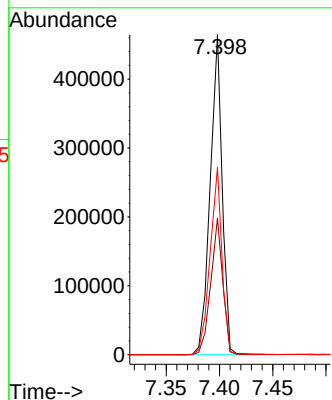
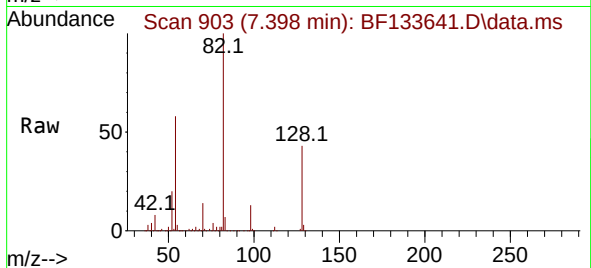




#23
Nitrobenzene-d5
Concen: 48.581 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

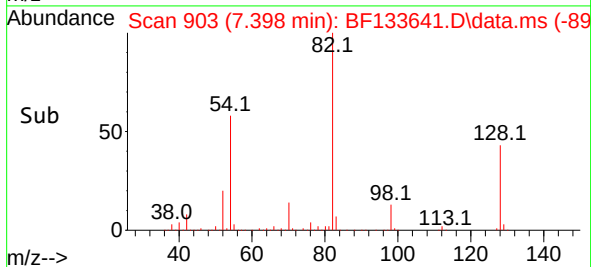
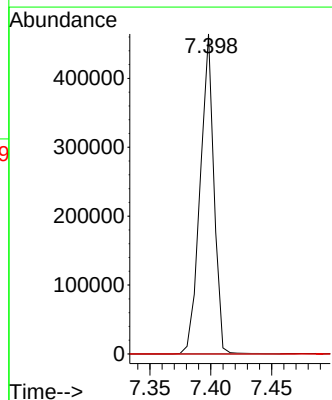
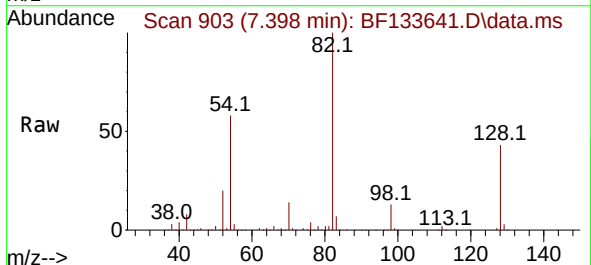
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

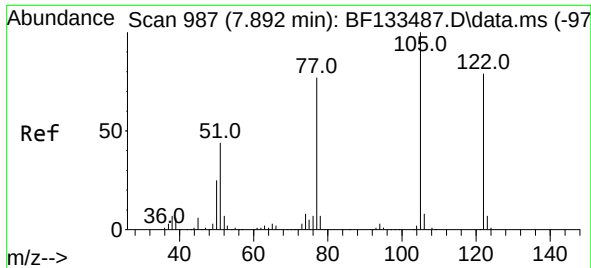
Tgt Ion: 82 Resp: 365864
Ion Ratio Lower Upper
82 100
128 42.7 34.2 51.4
54 58.5 48.2 72.4



#25
Isophorone
Concen: 20.733 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion: 82 Resp: 363911
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.4#

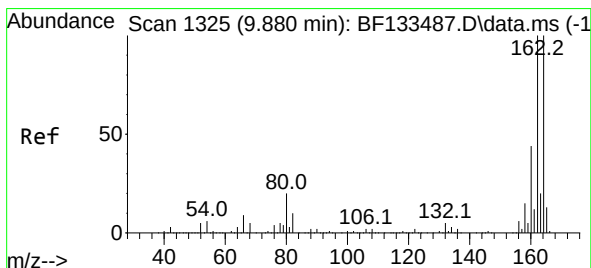
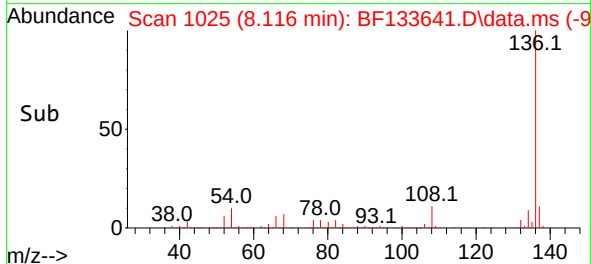
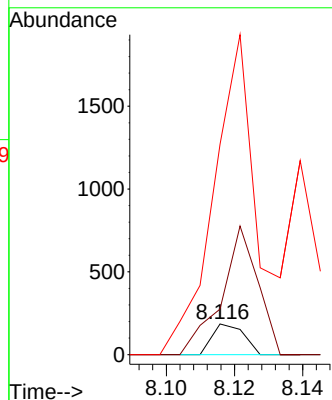
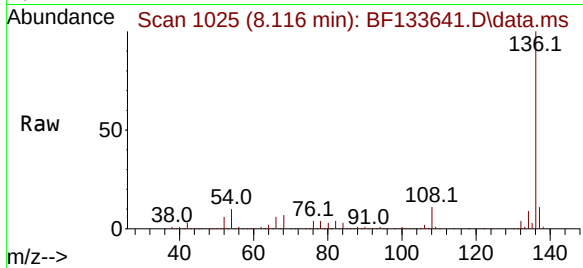




#32
Benzoic acid
Concen: 7.370 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.229 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

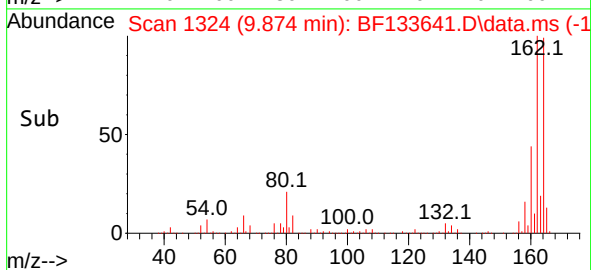
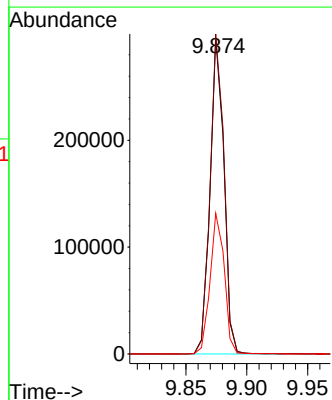
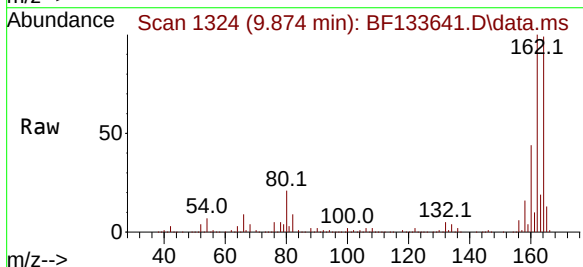
Instrument :
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ClientSampleId :
HR-01-060523

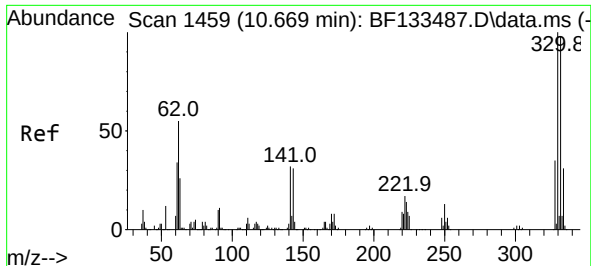
Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 148.6 103.3 143.3#
77 686.5 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion:164 Resp: 234116
Ion Ratio Lower Upper
164 100
162 101.3 79.7 119.5
160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 58.743 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133641.D

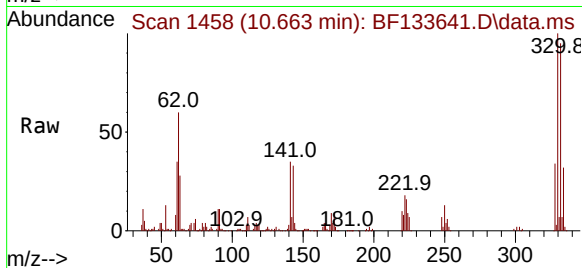
Acq: 08 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

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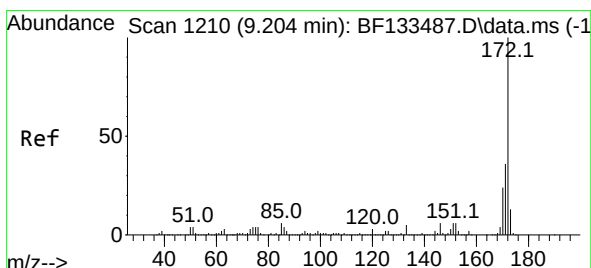
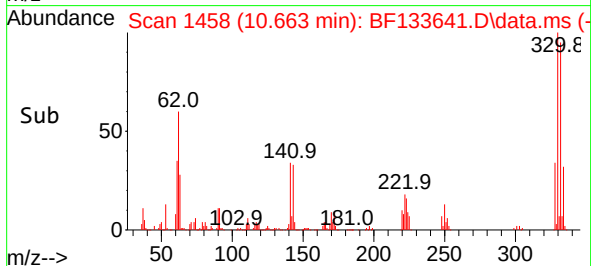
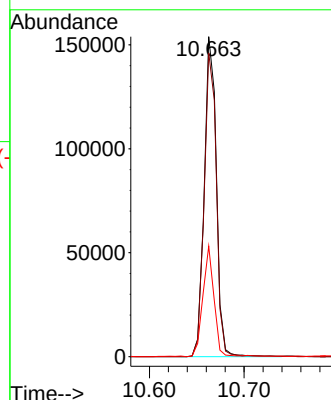
Tgt Ion:330 Resp: 137090

Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

141 31.7 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 46.213 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF133641.D

Acq: 08 Jun 2023 14:31

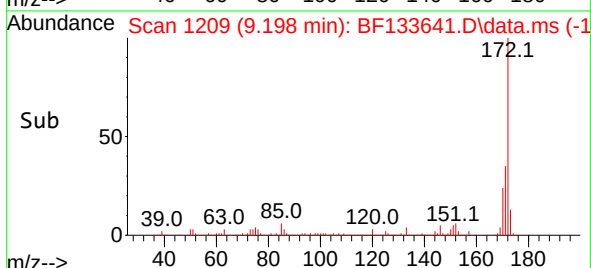
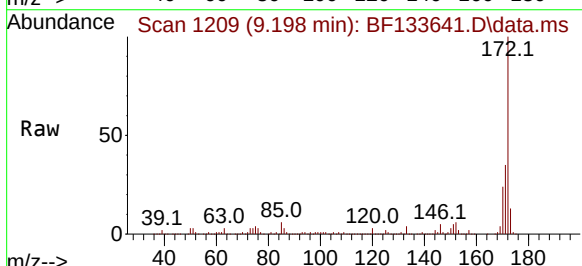
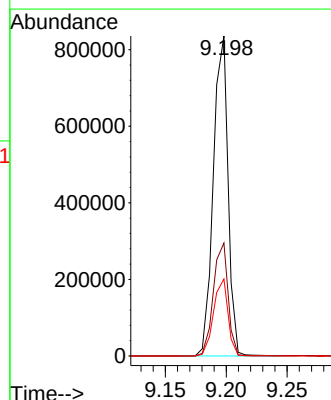
Tgt Ion:172 Resp: 700973

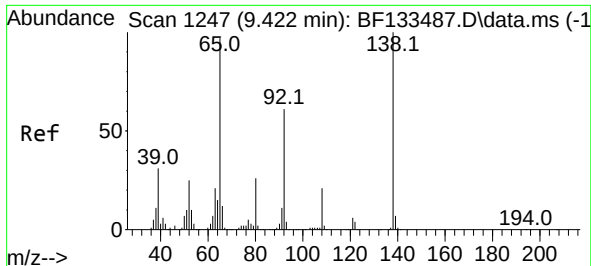
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 24.0 19.3 28.9

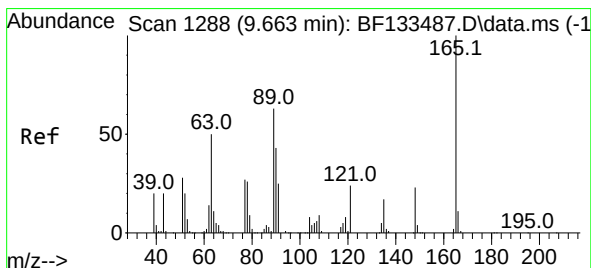
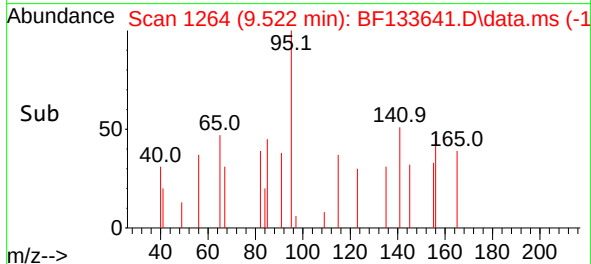
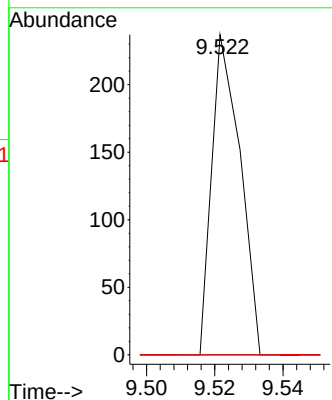
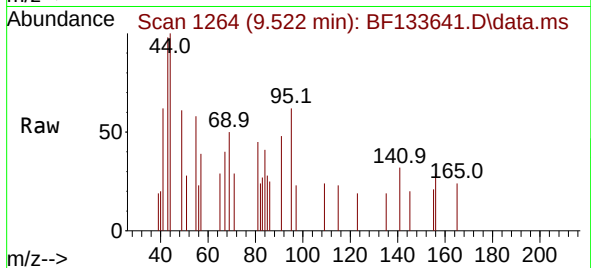




#48
2-Nitroaniline
Concen: 4.019 ng
RT: 9.522 min Scan# 11
Delta R.T. 0.100 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

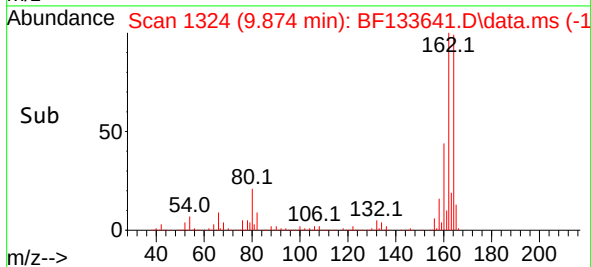
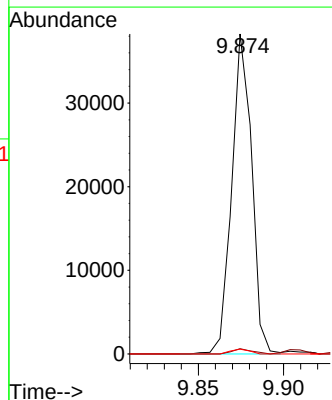
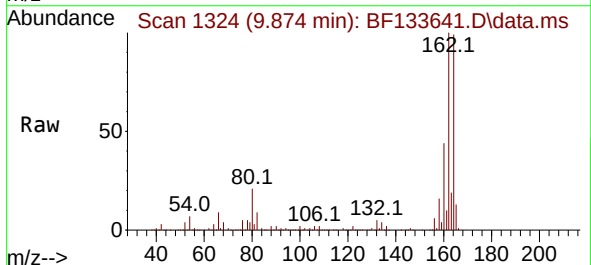
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

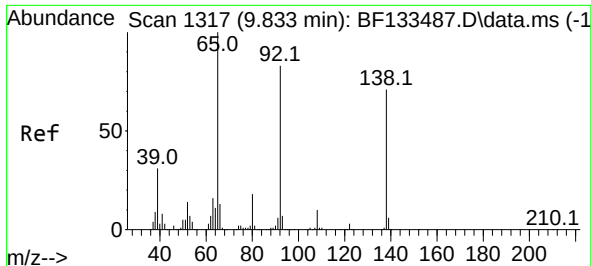
Tgt Ion: 65 Resp: 137
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.885 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion: 165 Resp: 31182
Ion Ratio Lower Upper
165 100
63 1.7 57.0 85.4#
89 1.5 50.8 76.2#

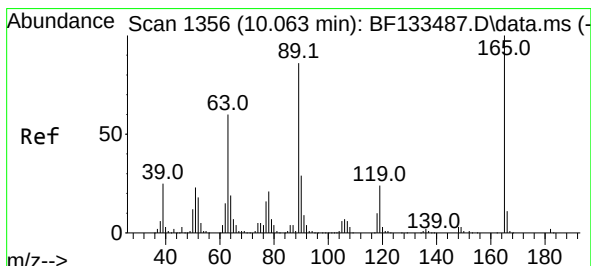
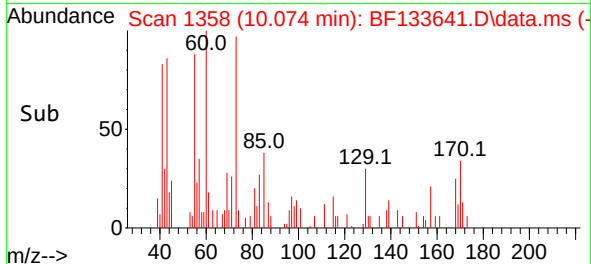
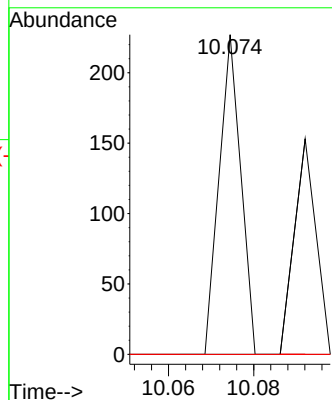
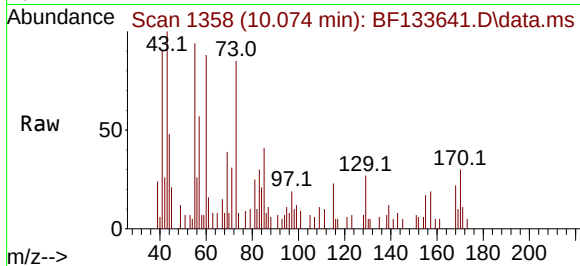




#53
3-Nitroaniline
Concen: 3.199 ng
RT: 10.074 min Scan# 11
Delta R.T. 0.241 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

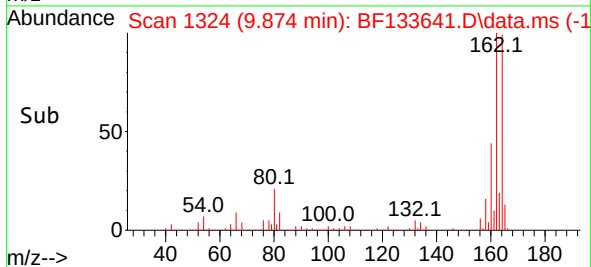
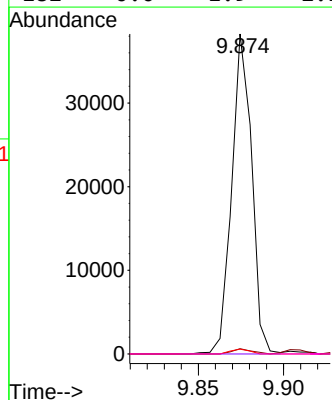
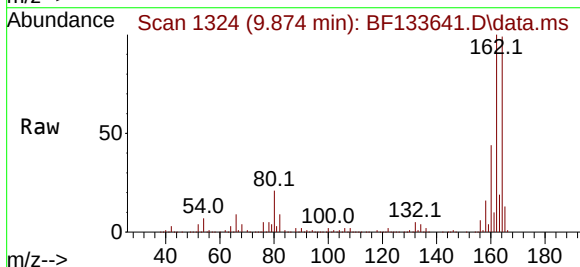
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

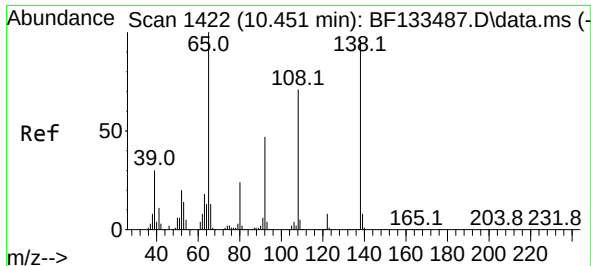
Tgt Ion:138 Resp: 80
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.982 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion:165 Resp: 31182
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#

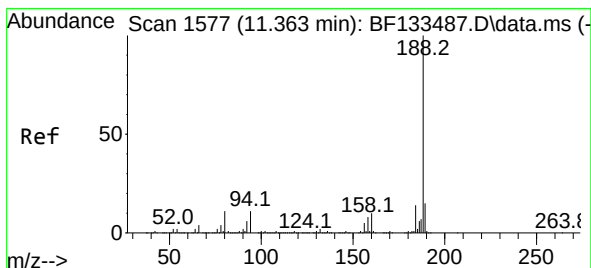
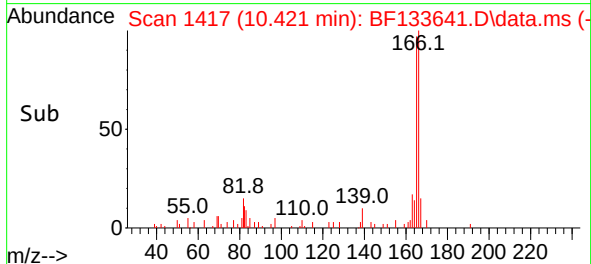
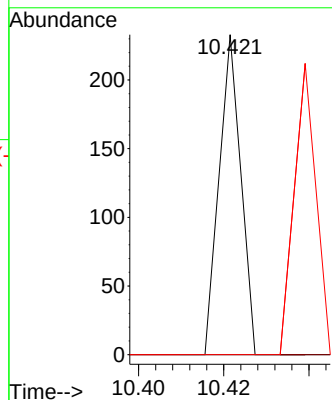
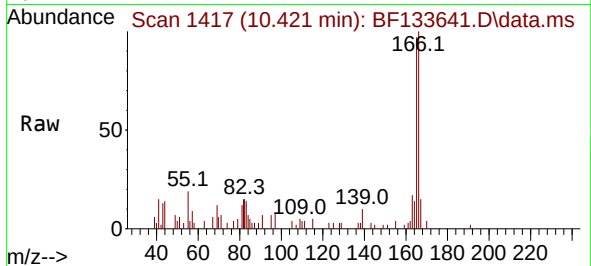




#62
4-Nitroaniline
Concen: 3.004 ng
RT: 10.421 min Scan# 1422
Delta R.T. -0.029 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

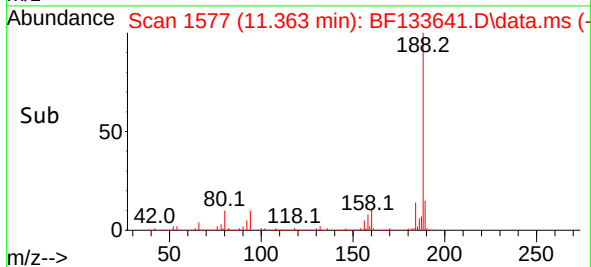
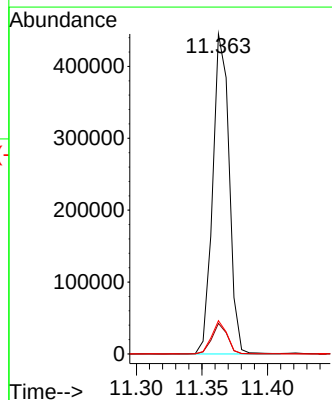
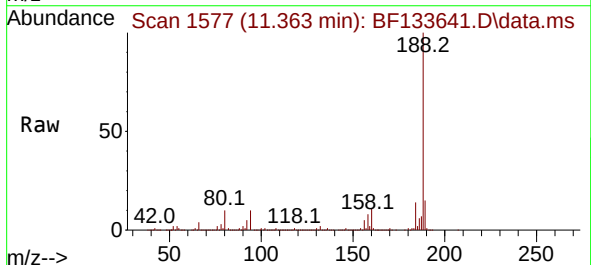
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

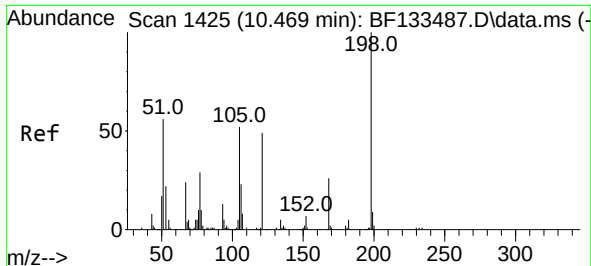
Tgt Ion:138 Resp: 82
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion:188 Resp: 388663
Ion Ratio Lower Upper
188 100
94 9.5 8.6 12.8
80 10.4 9.2 13.8

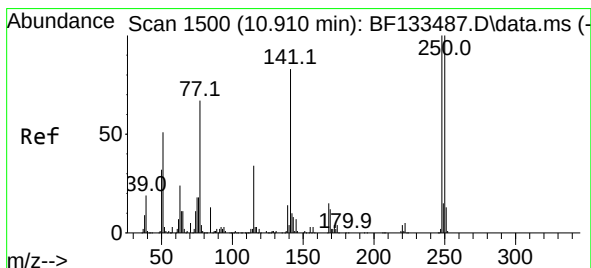
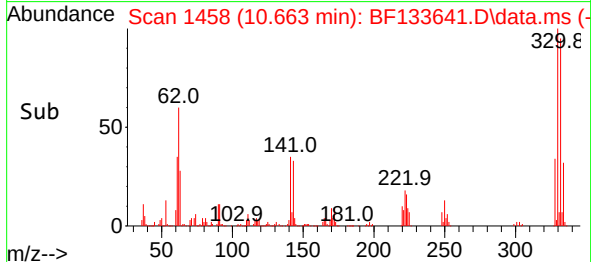
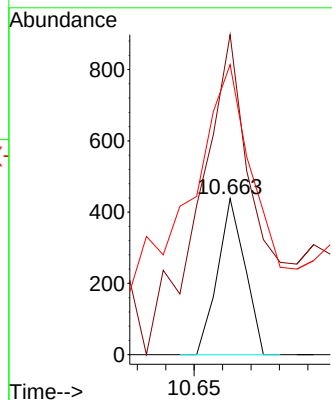
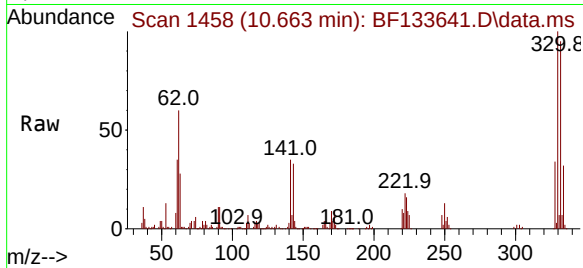




#65
4,6-Dinitro-2-methylphenol
Concen: 8.862 ng
RT: 10.663 min Scan# 1425
Delta R.T. 0.182 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

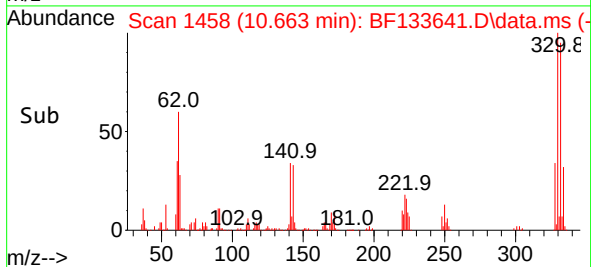
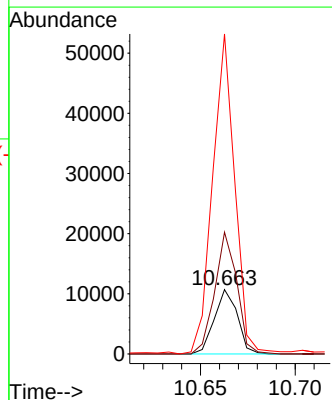
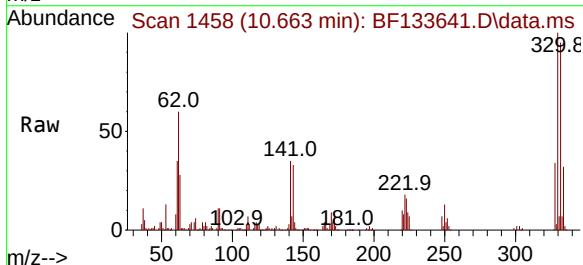
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

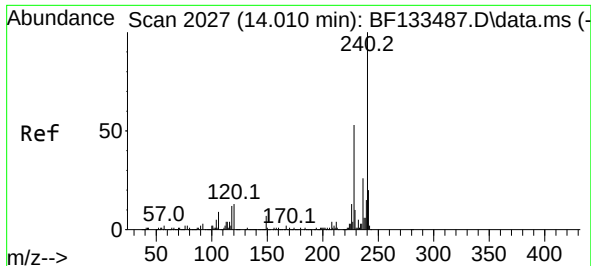
Tgt Ion:198 Resp: 292
Ion Ratio Lower Upper
198 100
51 205.0 53.6 93.6#
105 185.8 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 2.191 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion:248 Resp: 9043
Ion Ratio Lower Upper
248 100
250 189.1 79.7 119.5#
141 497.2 66.6 100.0#

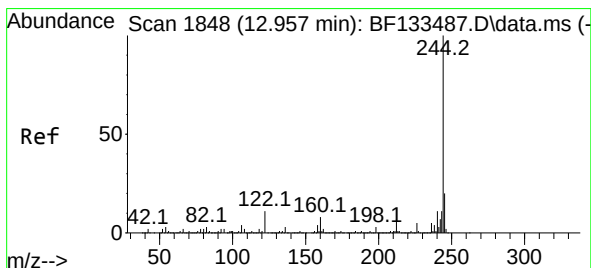
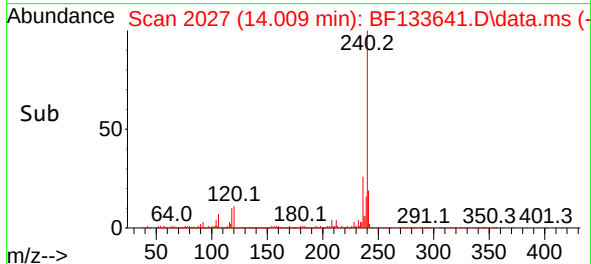
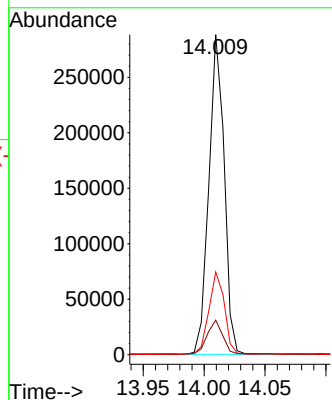
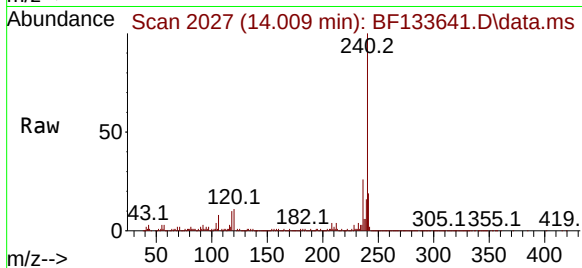




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

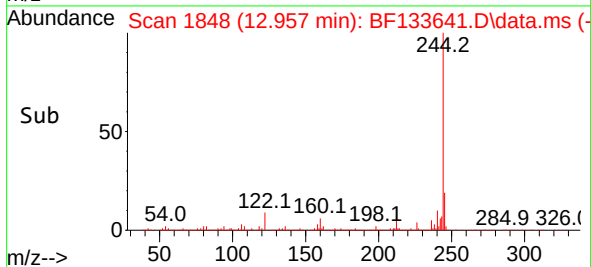
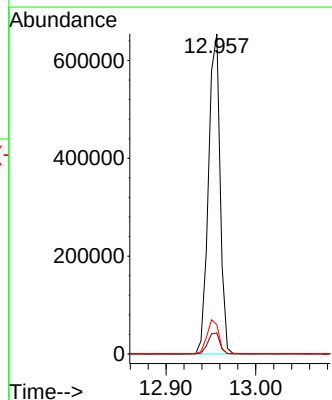
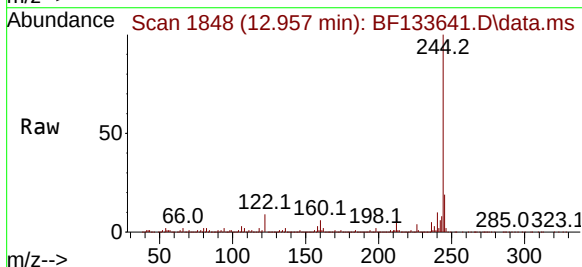
Instrument :
BNA_F
ClientSampleId :
HR-01-060523

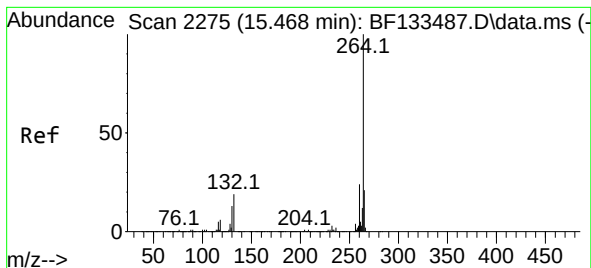
Tgt Ion:240 Resp: 251987
Ion Ratio Lower Upper
240 100
120 10.8 10.3 15.5
236 25.9 20.5 30.7



#79
Terphenyl-d14
Concen: 41.549 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.000 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Tgt Ion:244 Resp: 588863
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 9.2 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133641.D

Acq: 08 Jun 2023 14:31

Instrument :

BNA_F

ClientSampleId :

HR-01-060523

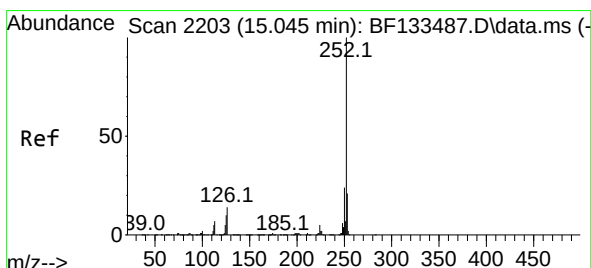
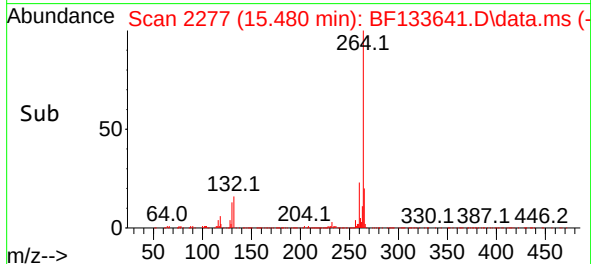
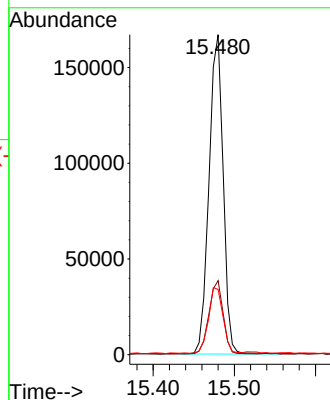
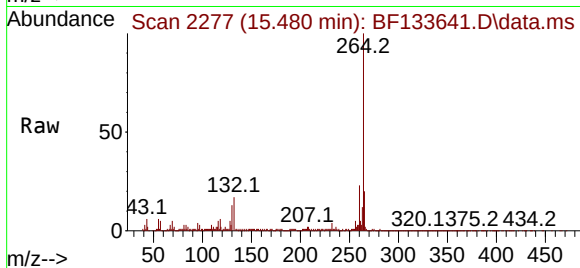
Tgt Ion:264 Resp: 201651

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 20.4 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 3.098 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF133641.D

Acq: 08 Jun 2023 14:31

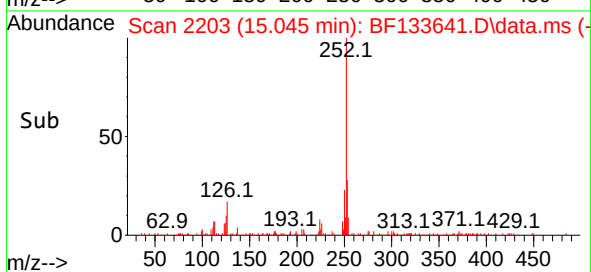
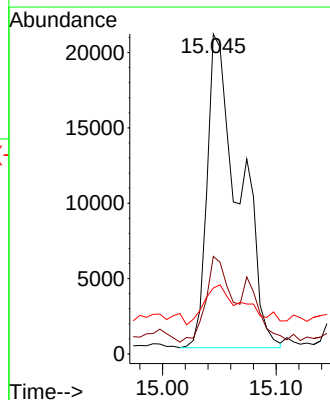
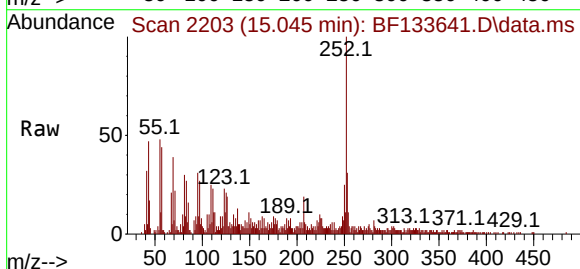
Tgt Ion:252 Resp: 40680

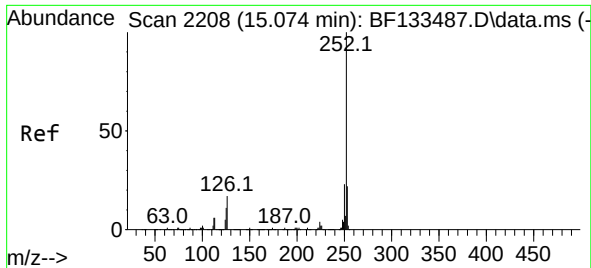
Ion Ratio Lower Upper

252 100

253 30.5 17.2 25.8#

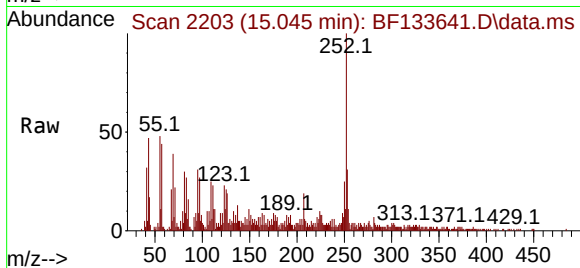
125 20.6 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 3.177 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133641.D
Acq: 08 Jun 2023 14:31

Instrument :
BNA_F
ClientSampleId :
HR-01-060523



Tgt Ion:252 Resp: 40680
Ion Ratio Lower Upper
252 100
253 30.5 17.4 26.2#
125 20.6 8.3 12.5#

