

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133640.D
 Acq On : 08 Jun 2023 14:00
 Operator : CG\JU
 Sample : 03045-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-060523

Quant Time: Jun 08 14:26:07 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

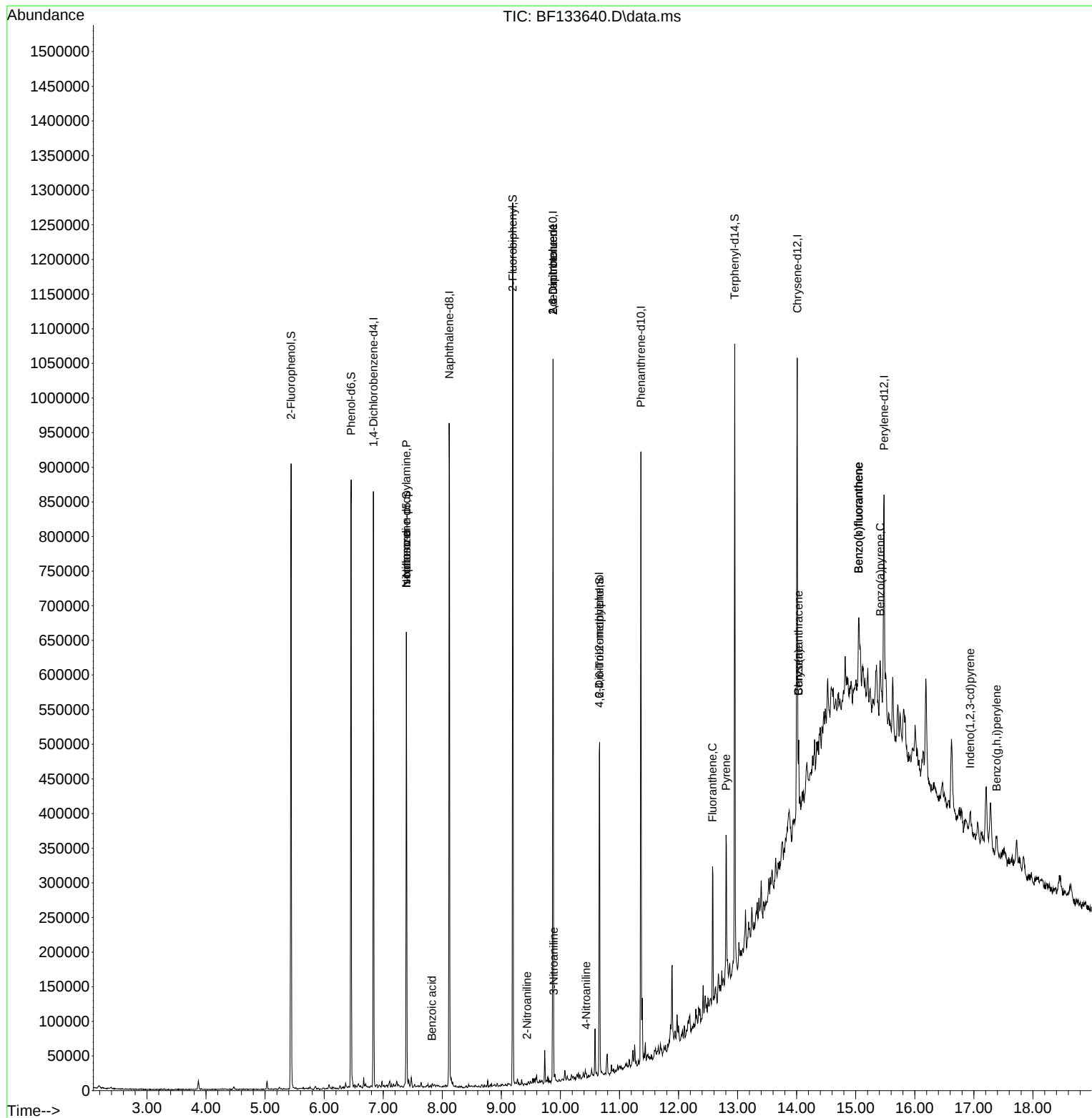
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	111465	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	403811	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	184057	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	295434	20.000	ng	0.00
76) Chrysene-d12	14.010	240	198918	20.000	ng	0.00
86) Perylene-d12	15.480	264	151502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	223046	33.387	ng	0.00
7) Phenol-d6	6.457	99	262854	31.962	ng	-0.01
23) Nitrobenzene-d5	7.393	82	168759	27.904	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	56738	30.925	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	333504	27.966	ng	0.00
79) Terphenyl-d14	12.951	244	281031	25.119	ng	0.00
Target Compounds						
9) Benzaldehyde	6.457	77	492	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	7.393	70	23583	4.432	ng	# 76
25) Isophorone	7.393	82	168656	11.965	ng	# 65
32) Benzoic acid	7.822	122	58	7.362	ng	# 6
48) 2-Nitroaniline	9.434	65	59	4.006	ng	# 6
51) 2,6-Dinitrotoluene	9.875	165	23183	12.385	ng	# 18
53) 3-Nitroaniline	9.886	138	164	3.229	ng	# 1
57) 2,4-Dinitrotoluene	9.875	165	23183	11.589	ng	# 15
62) 4-Nitroaniline	10.433	138	66	3.005	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.657	198	71	8.760	ng	# 1
75) Fluoranthene	12.575	202	84221	5.096	ng	98
78) Pyrene	12.804	202	90144	5.325	ng	97
81) Benzo(a)anthracene	14.033	228	43324	3.269	ng	94
83) Chrysene	14.033	228	43324	3.239	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	23055	2.389	ng	100
88) Benzo(b)fluoranthene	15.051	252	66590	6.750	ng	# 81
89) Benzo(k)fluoranthene	15.051	252	66590	6.922	ng	# 81
90) Benzo(a)pyrene	15.416	252	36001	4.010	ng	# 89
92) Benzo(g,h,i)perylene	17.386	276	26870	3.406	ng	95

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 08 11:43:32 2023
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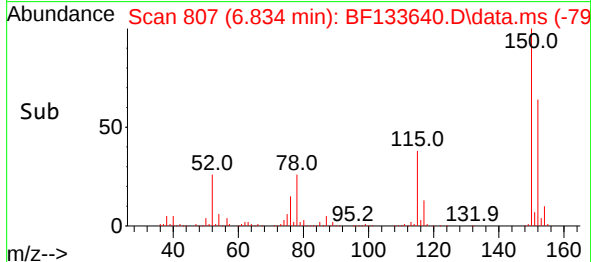
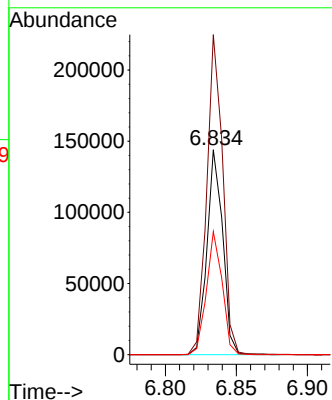
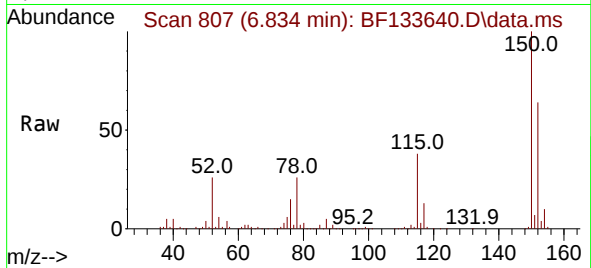




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

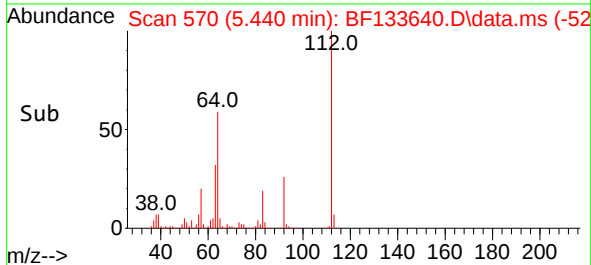
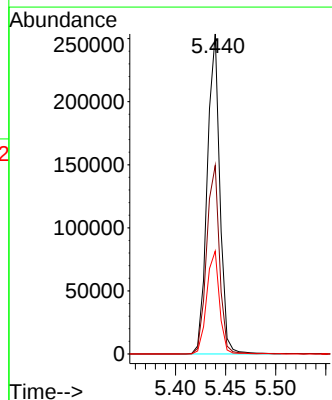
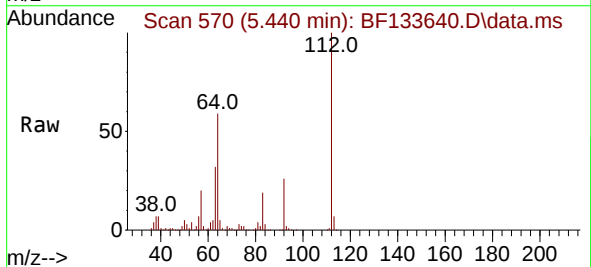
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

Tgt Ion:152 Resp: 111465
Ion Ratio Lower Upper
152 100
150 156.1 124.9 187.3
115 60.0 48.1 72.1



#5
2-Fluorophenol
Concen: 33.387 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:112 Resp: 223046
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 32.2 27.5 41.3

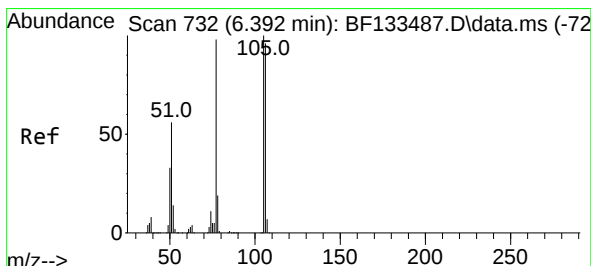
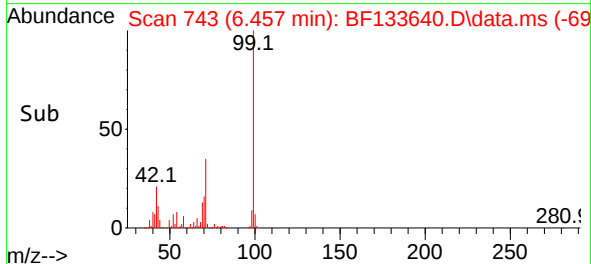
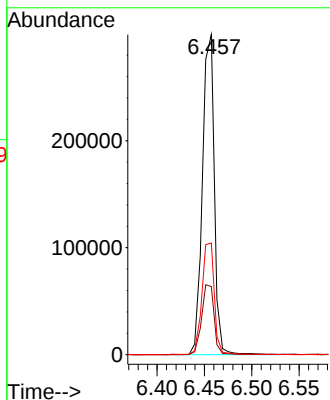
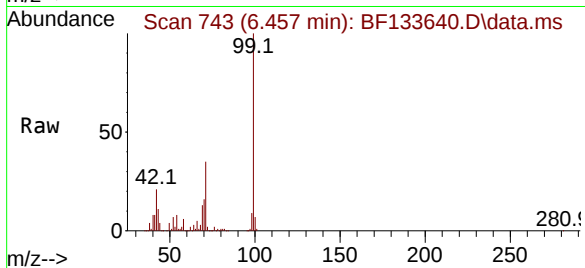




#7
Phenol-d6
Concen: 31.962 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

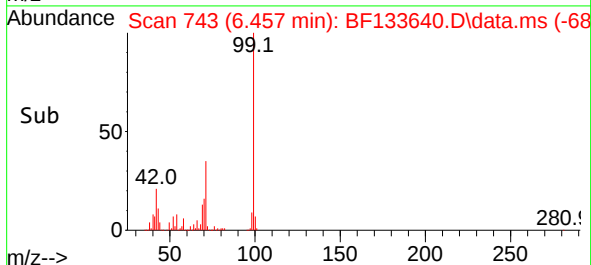
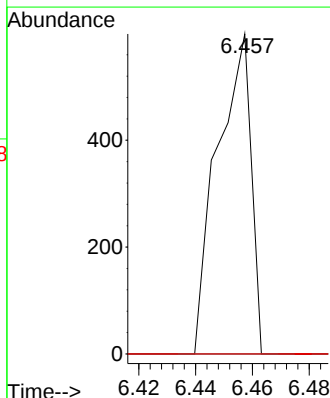
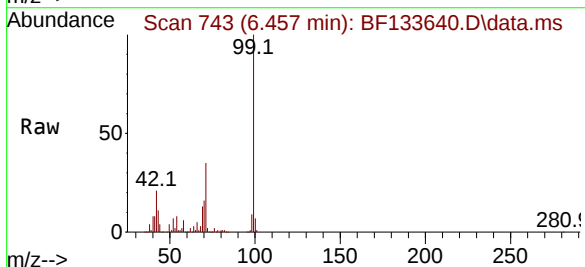
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

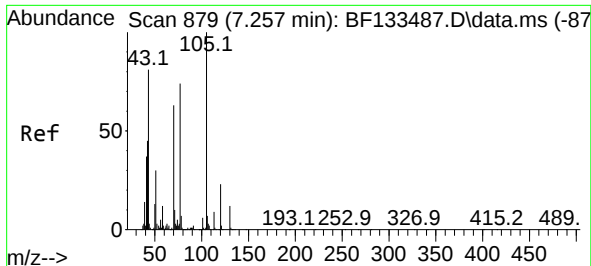
Tgt Ion: 99 Resp: 262854
Ion Ratio Lower Upper
99 100
42 21.3 19.7 29.5
71 34.9 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.071 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion: 77 Resp: 492
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

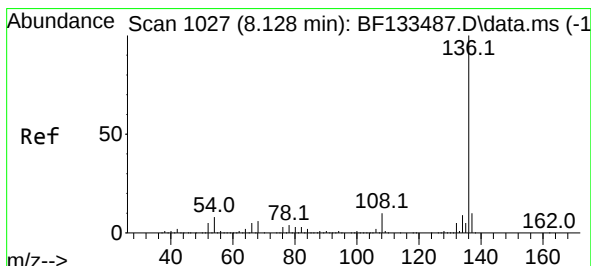
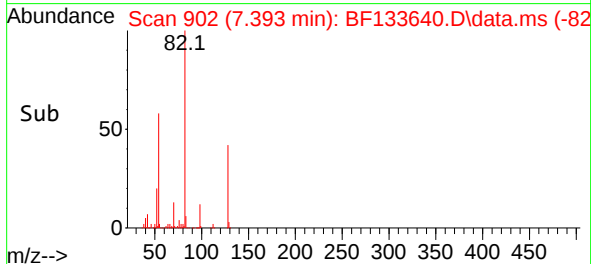
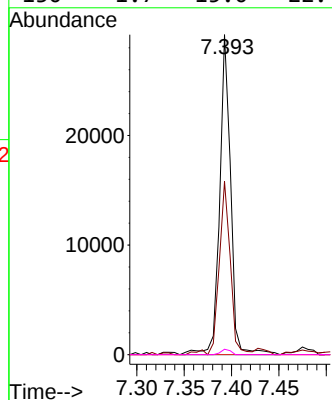
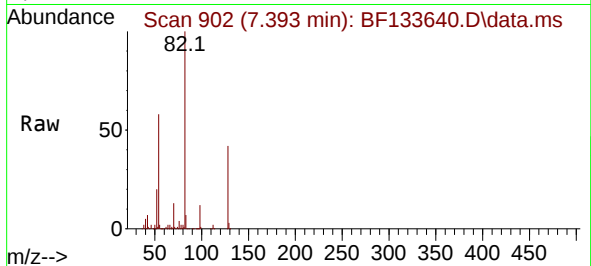




#19
n-Nitroso-di-n-propylamine
Concen: 4.432 ng
RT: 7.393 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

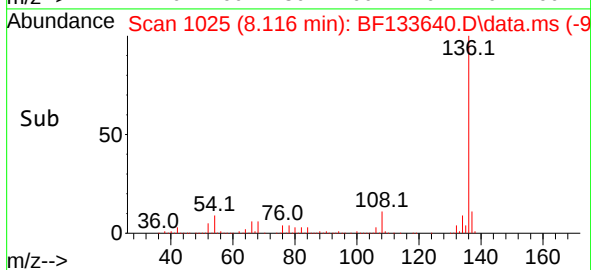
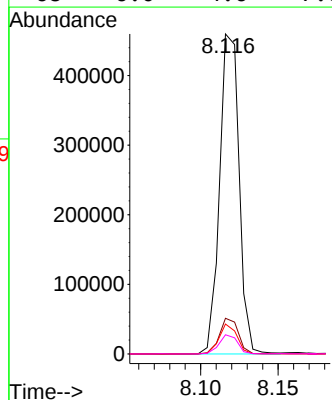
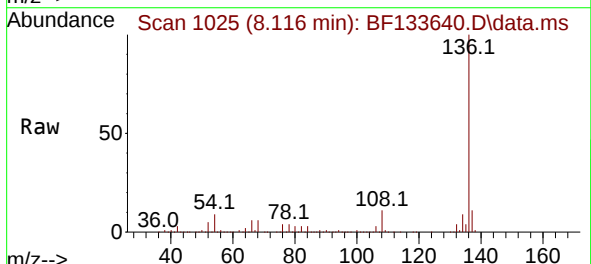
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

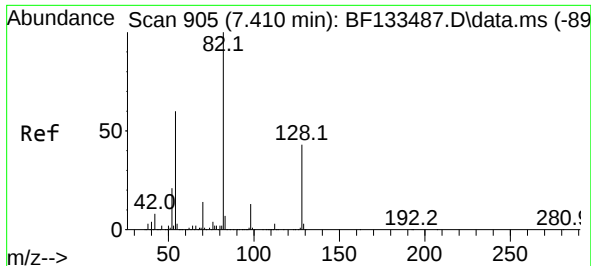
Tgt Ion: 70	Resp: 23583
Ion Ratio	Lower Upper
70 100	
42 54.1	57.2 85.8#
101 0.0	7.3 10.9#
130 1.7	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion: 136	Resp: 403811
Ion Ratio	Lower Upper
136 100	
137 11.1	8.2 12.4
54 9.4	6.6 10.0
68 6.0	4.6 7.0





#23

Nitrobenzene-d5

Concen: 27.904 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

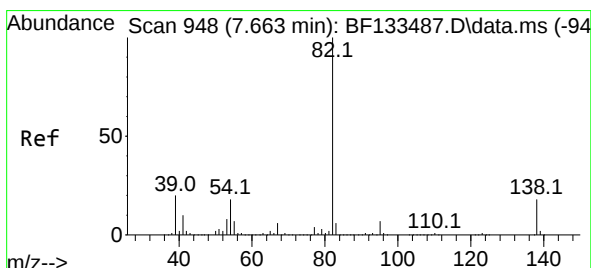
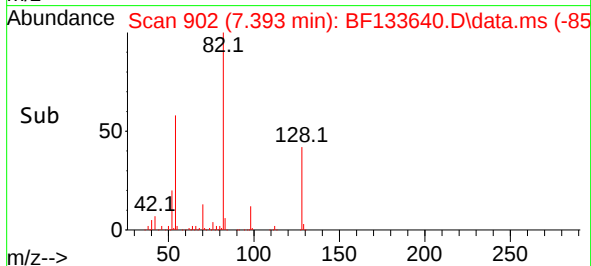
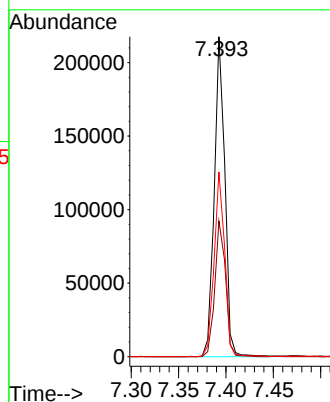
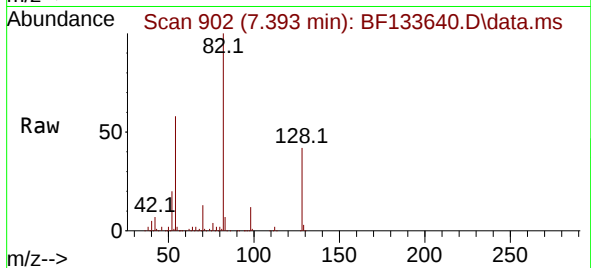
Tgt Ion: 82 Resp: 168759

Ion Ratio Lower Upper

82 100

128 42.4 34.2 51.4

54 57.8 48.2 72.4



#25

Isophorone

Concen: 11.965 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.270 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

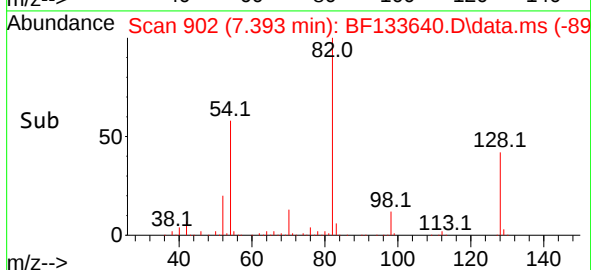
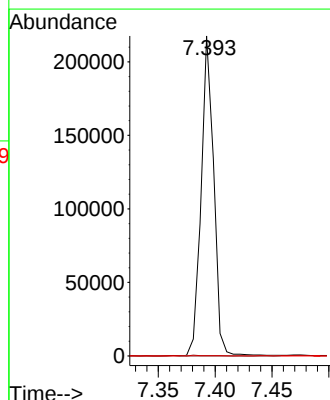
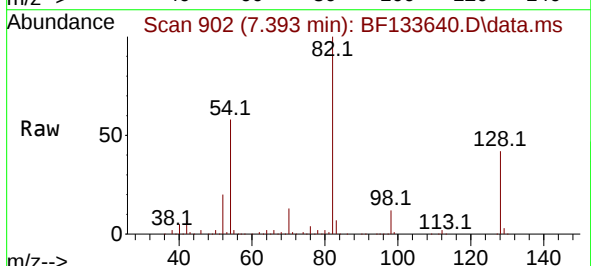
Tgt Ion: 82 Resp: 168656

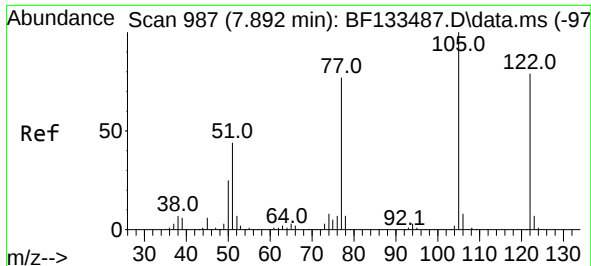
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 14.2 21.4#

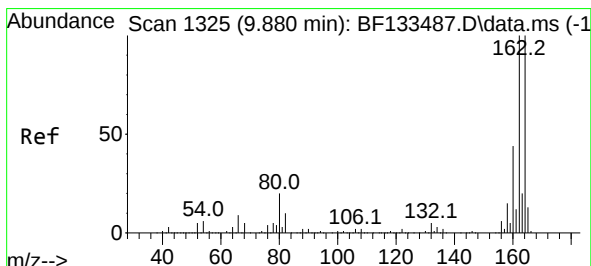
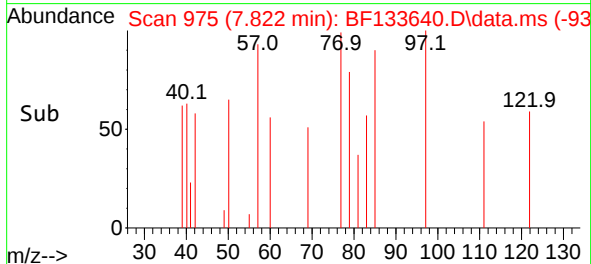
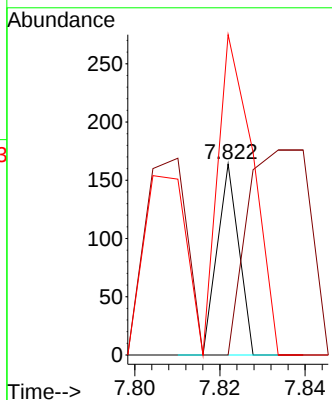
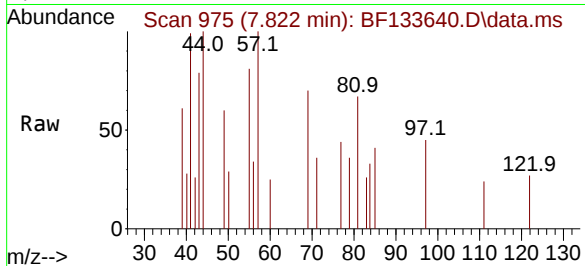




#32
Benzoic acid
Concen: 7.362 ng
RT: 7.822 min Scan# 91
Delta R.T. -0.065 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

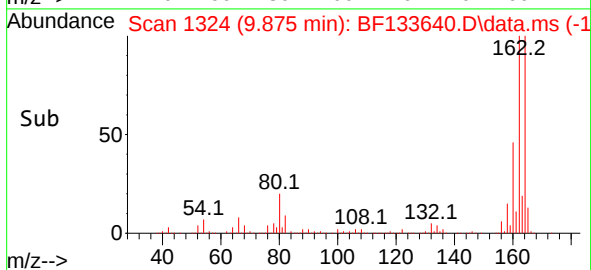
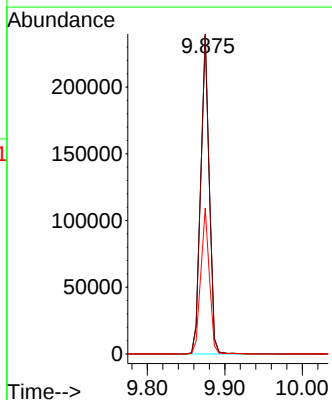
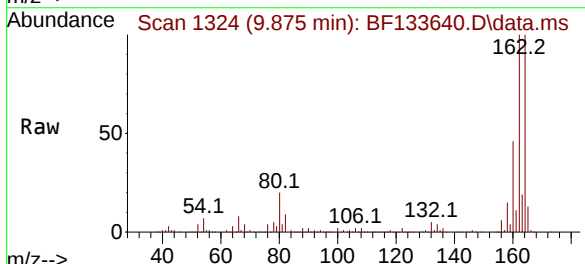
Instrument :
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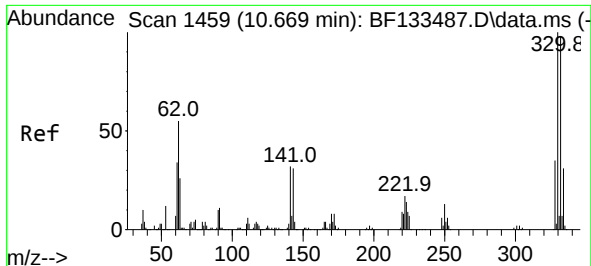
Tgt Ion:122	Resp:	58	
Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	167.7	75.7	115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:164	Resp:	184057	
Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.7	119.5
160	45.8	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 30.925 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

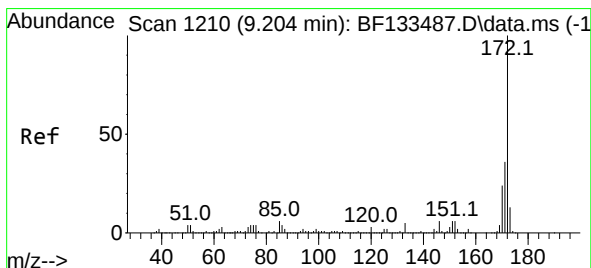
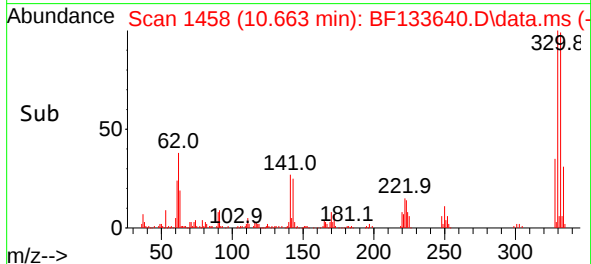
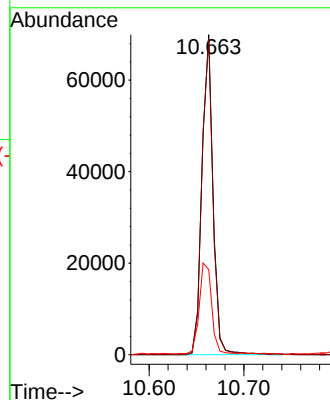
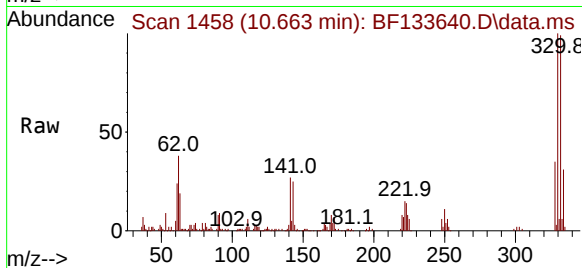
Tgt Ion:330 Resp: 56738

Ion Ratio Lower Upper

330 100

332 98.4 77.8 116.6

141 31.7 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 27.966 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

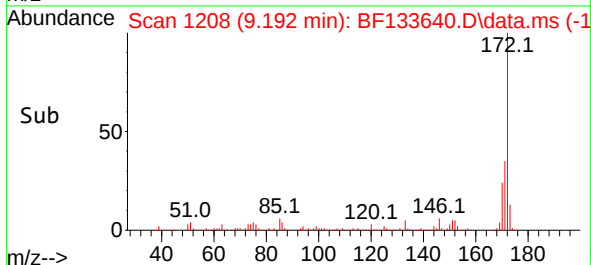
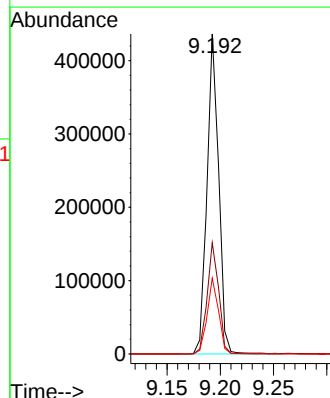
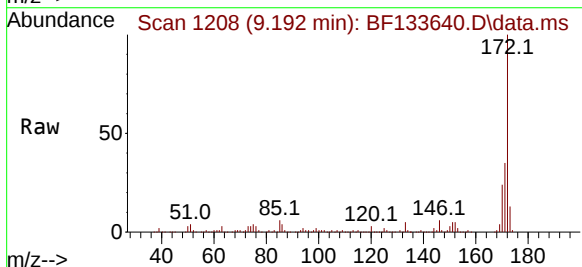
Tgt Ion:172 Resp: 333504

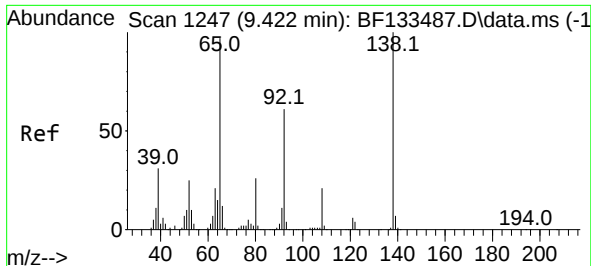
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.7 19.3 28.9





#48

2-Nitroaniline

Concen: 4.006 ng

RT: 9.434 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

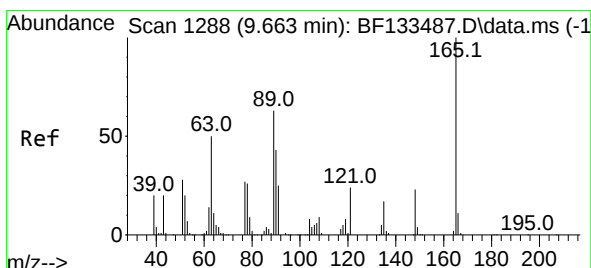
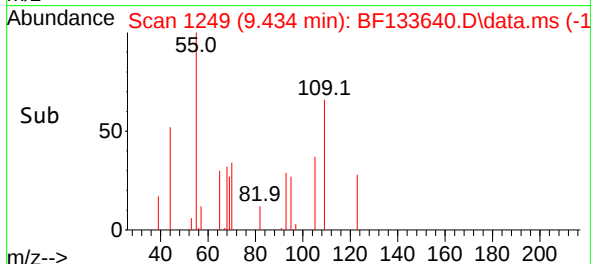
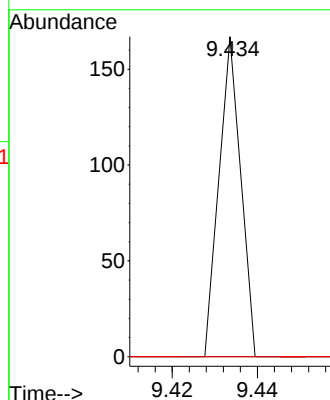
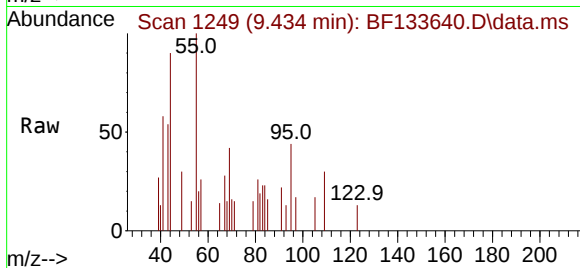
Tgt Ion: 65 Resp: 59

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: 12.385 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.212 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

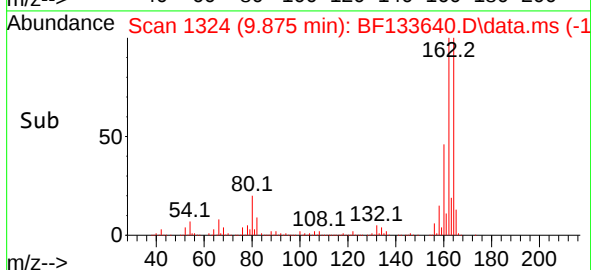
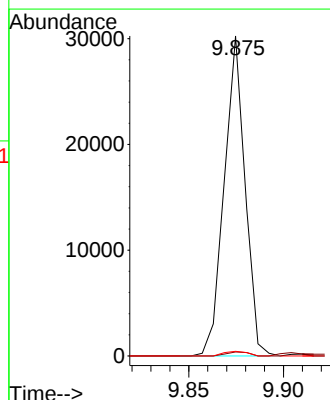
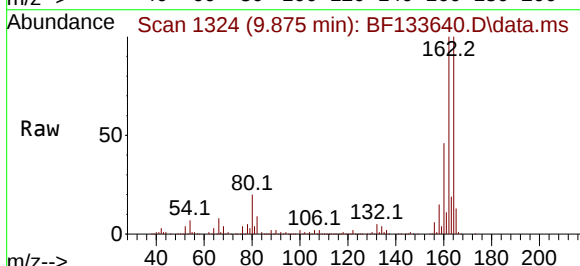
Tgt Ion: 165 Resp: 23183

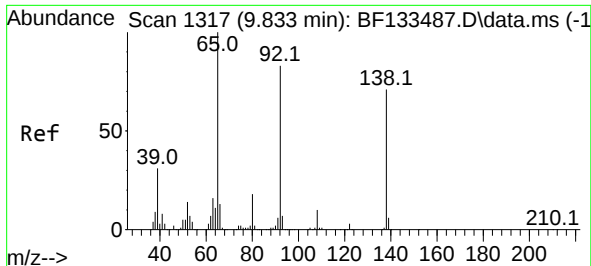
Ion Ratio Lower Upper

165 100

63 1.2 57.0 85.4#

89 1.4 50.8 76.2#

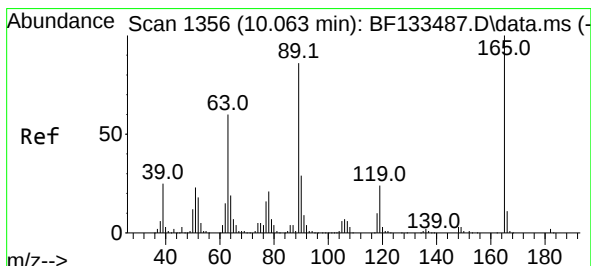
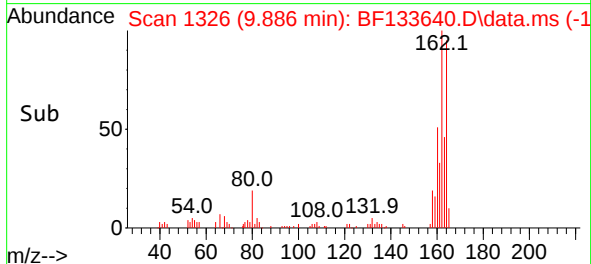
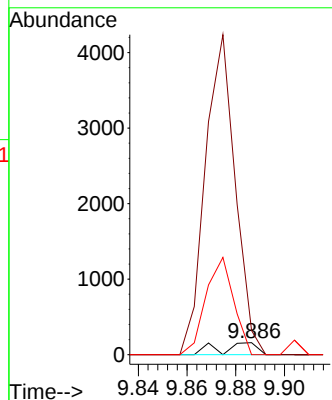
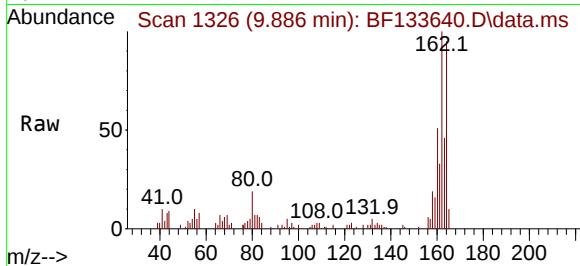




#53
3-Nitroaniline
Concen: 3.229 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

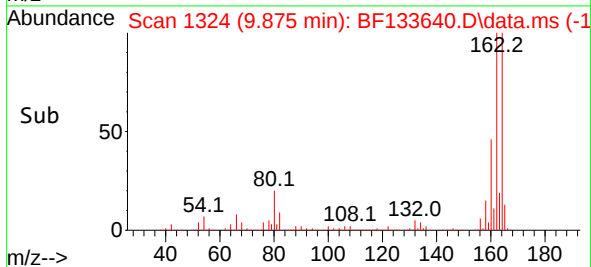
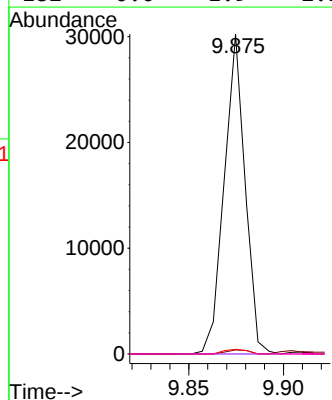
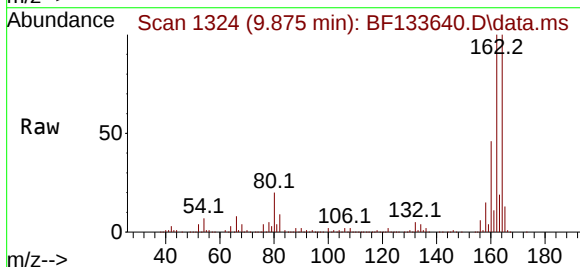
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

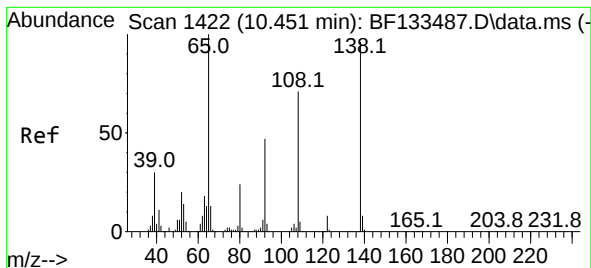
Tgt Ion:138 Resp: 164
Ion Ratio Lower Upper
138 100
108 199.4 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.589 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:165 Resp: 23183
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#

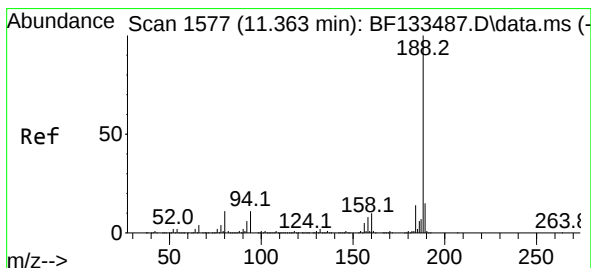
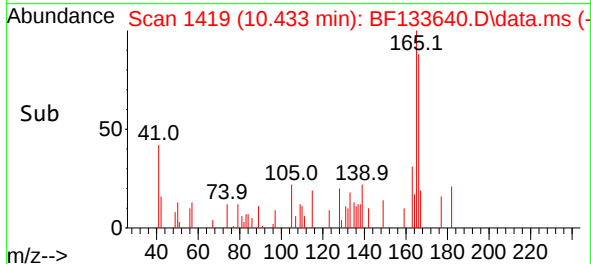
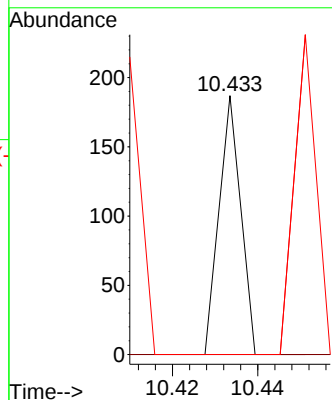
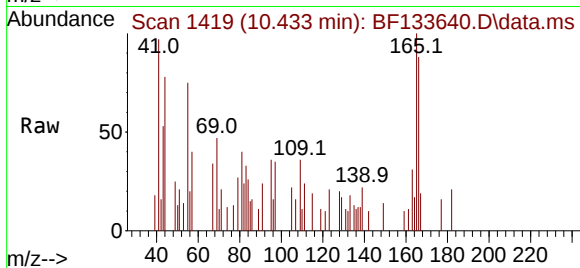




#62
4-Nitroaniline
Concen: 3.005 ng
RT: 10.433 min Scan# 1422
Delta R.T. -0.017 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

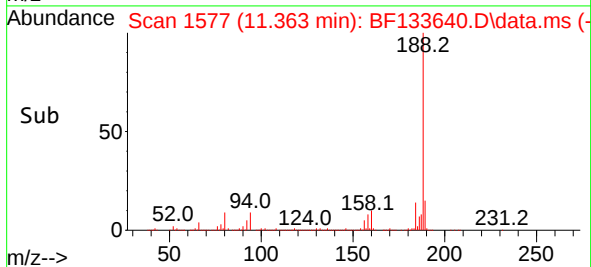
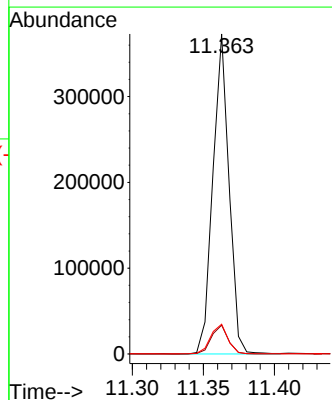
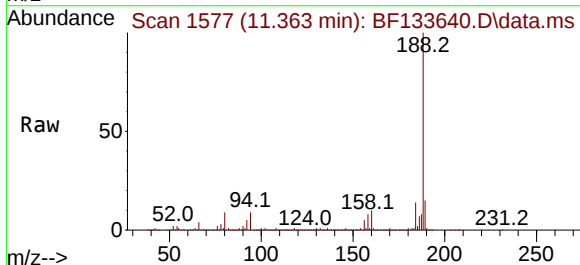
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

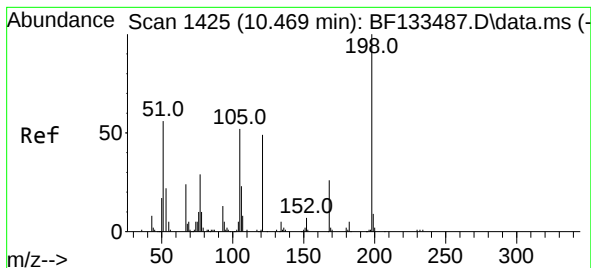
Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

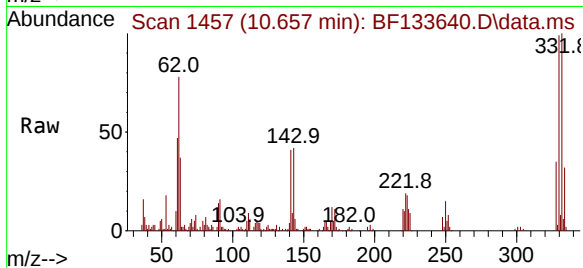
Tgt Ion:188 Resp: 295434
Ion Ratio Lower Upper
188 100
94 9.0 8.6 12.8
80 9.3 9.2 13.8



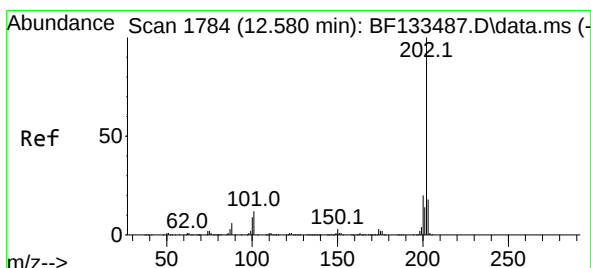
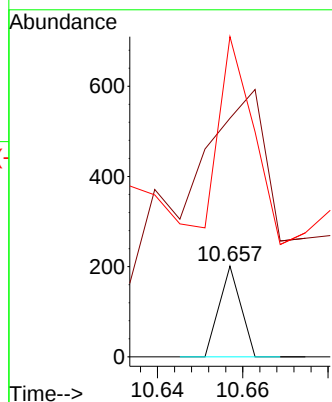
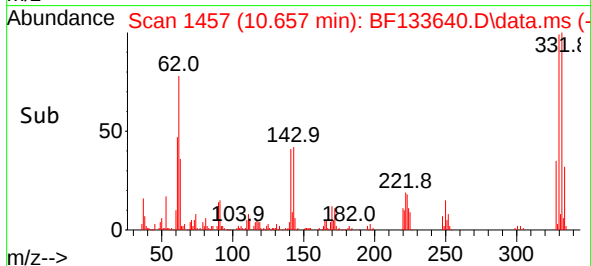


#65
4,6-Dinitro-2-methylphenol
Concen: 8.760 ng
RT: 10.657 min Scan# 14
Delta R.T. 0.177 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

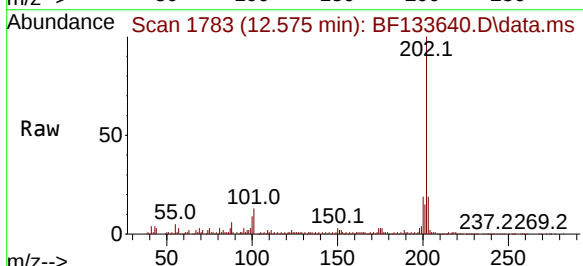
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523



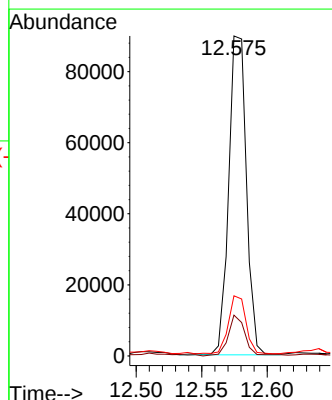
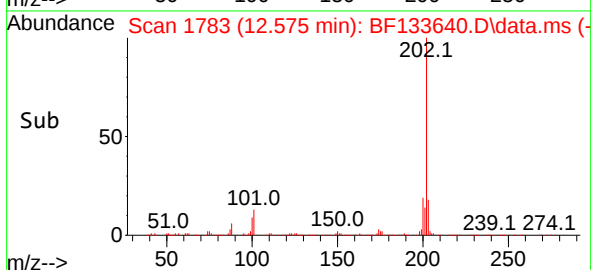
Tgt Ion:198 Resp: 71
Ion Ratio Lower Upper
198 100
51 263.2 53.6 93.6#
105 353.2 35.9 75.9#

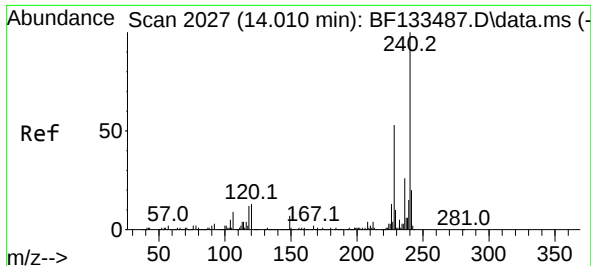


#75
Fluoranthene
Concen: 5.096 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00



Tgt Ion:202 Resp: 84221
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.2
203 18.8 0.0 37.8

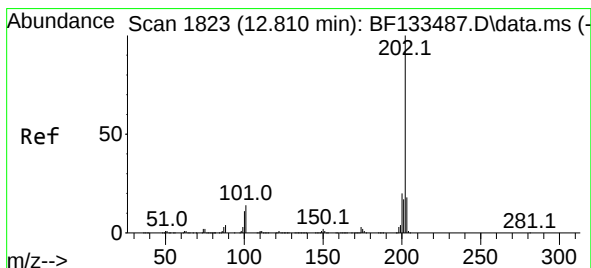
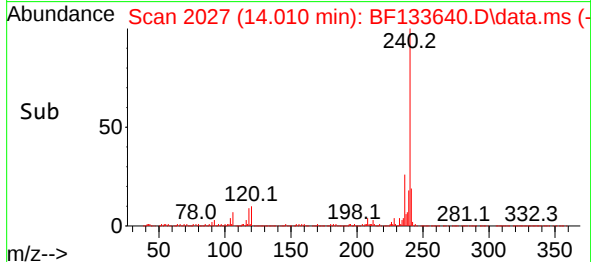
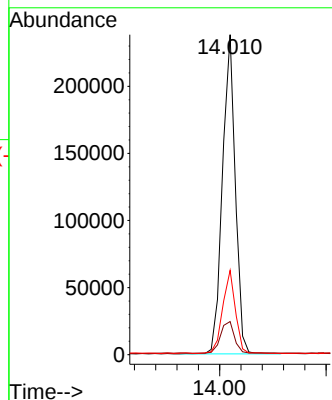
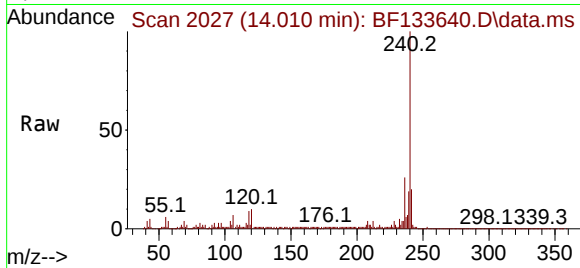




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

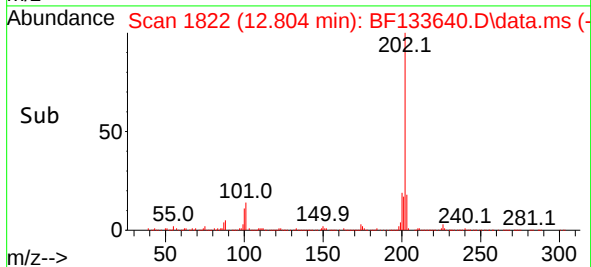
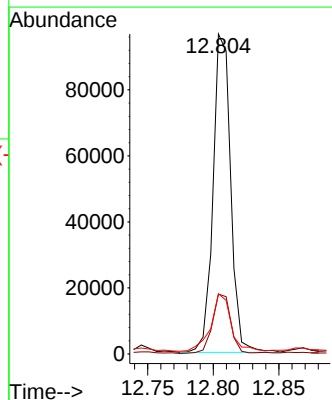
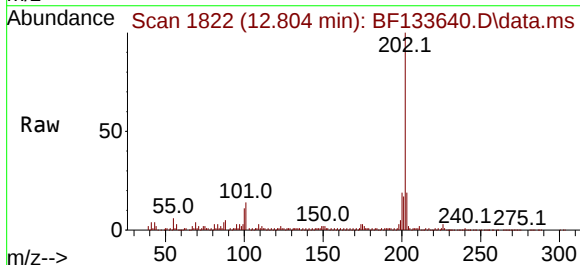
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

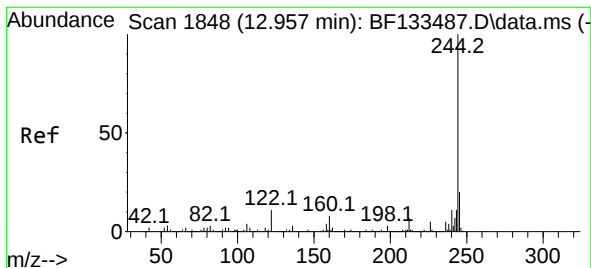
Tgt Ion:240 Resp: 198918
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5
236 26.3 20.5 30.7



#78
Pyrene
Concen: 5.325 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:202 Resp: 90144
Ion Ratio Lower Upper
202 100
200 18.7 16.3 24.5
203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 25.119 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523

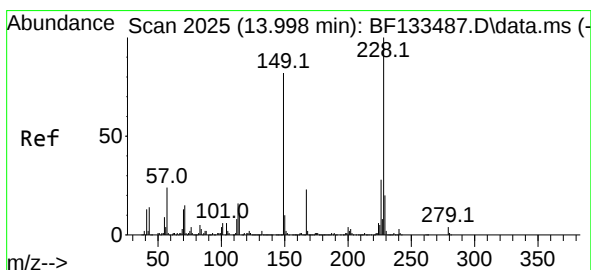
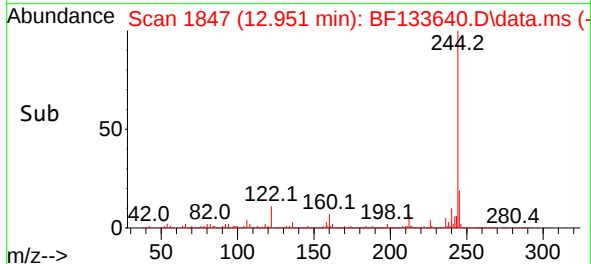
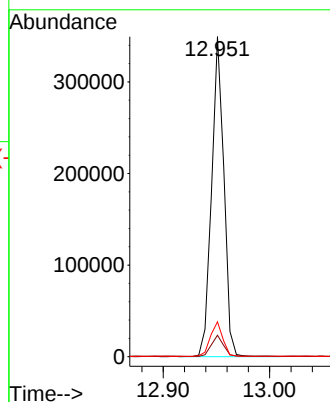
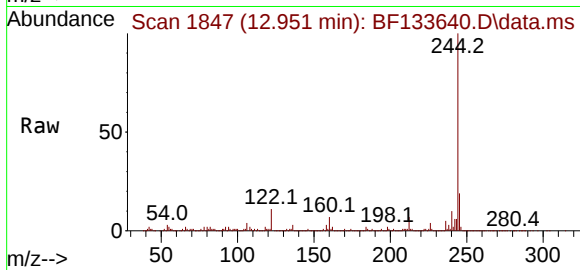
Tgt Ion:244 Resp: 281031

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 10.9 8.5 12.7



#81

Benzo(a)anthracene

Concen: 3.269 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.030 min

Lab File: BF133640.D

Acq: 08 Jun 2023 14:00

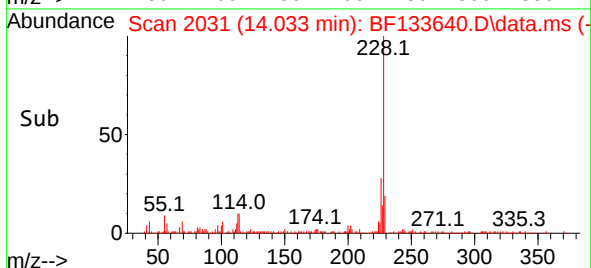
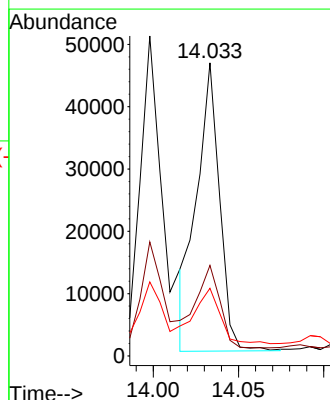
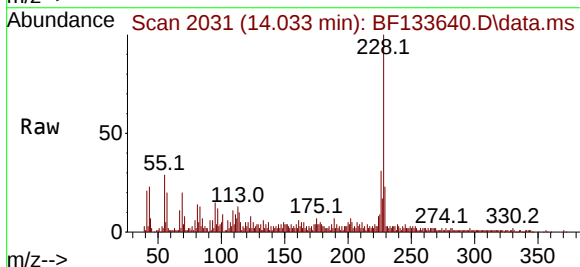
Tgt Ion:228 Resp: 43324

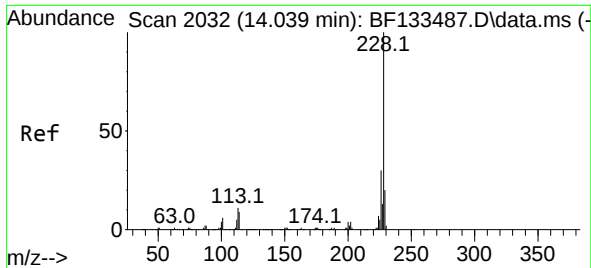
Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

229 23.1 16.1 24.1

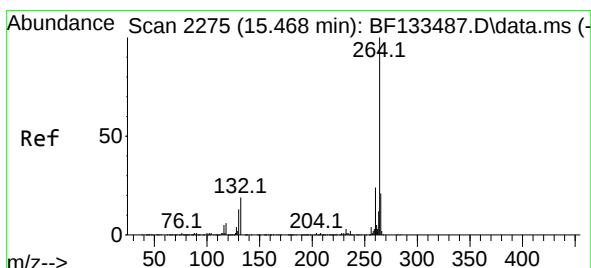
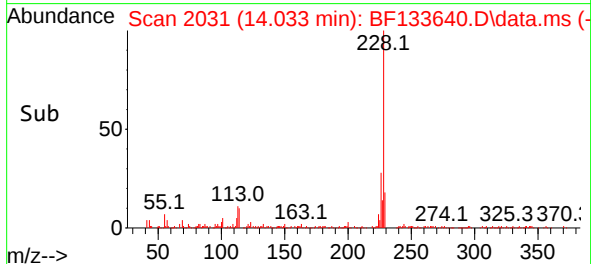
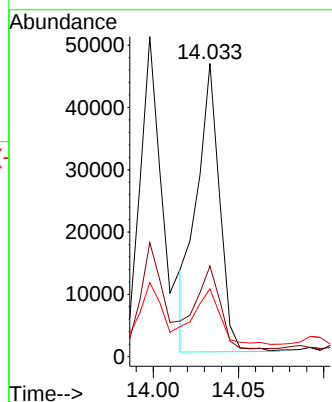
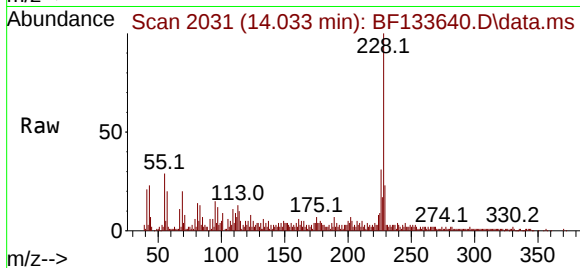




#83
Chrysene
Concen: 3.239 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

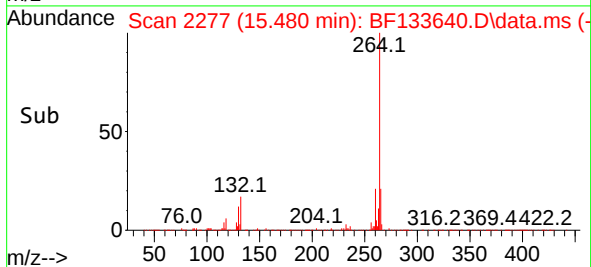
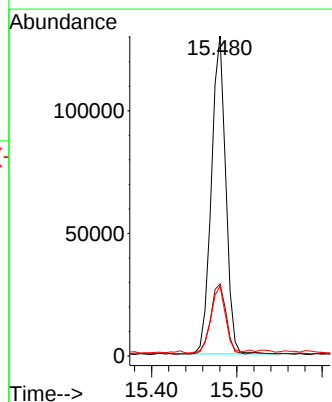
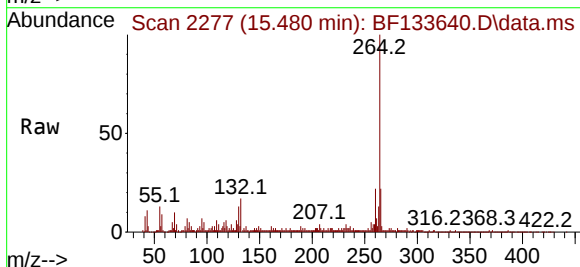
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

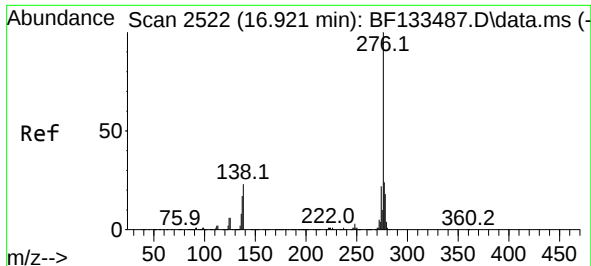
Tgt Ion:228	Resp:	43324
Ion Ratio	Lower	Upper
228	100	
226	30.9	24.1 36.1
229	23.1	15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:264	Resp:	151502
Ion Ratio	Lower	Upper
264	100	
260	22.5	19.0 28.4
265	21.8	16.8 25.2

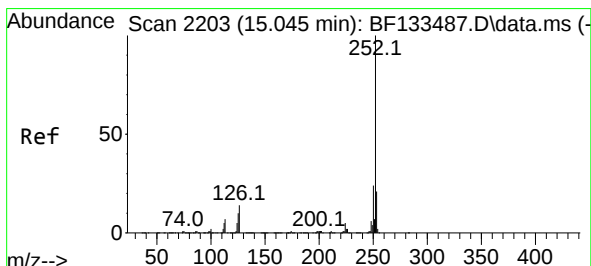
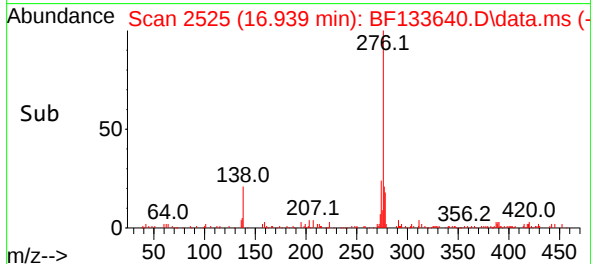
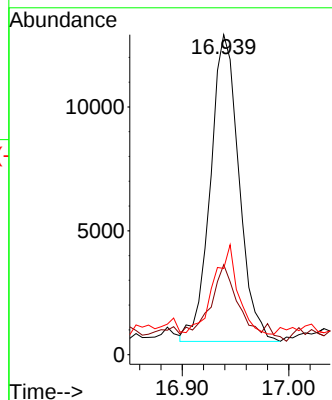
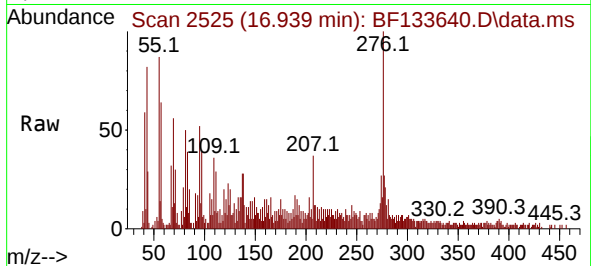




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.389 ng
RT: 16.939 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

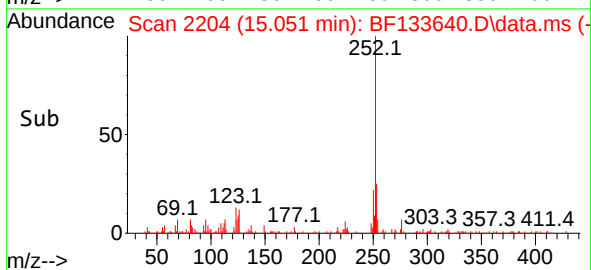
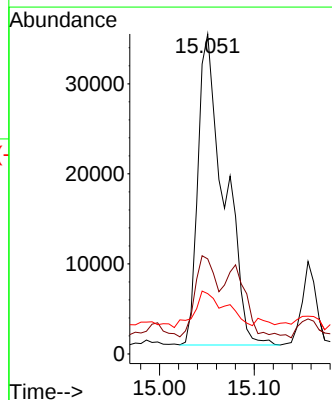
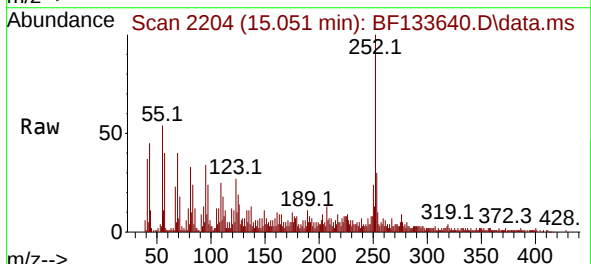
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

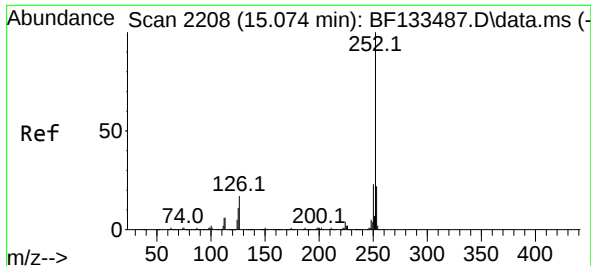
Tgt Ion:276 Resp: 23055
Ion Ratio Lower Upper
276 100
138 27.1 21.4 32.2
277 24.8 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 6.750 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:252 Resp: 66590
Ion Ratio Lower Upper
252 100
253 29.7 17.2 25.8#
125 18.9 8.1 12.1#

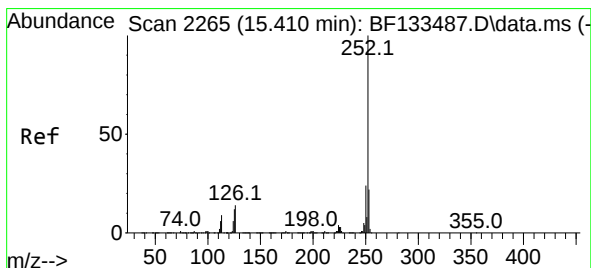
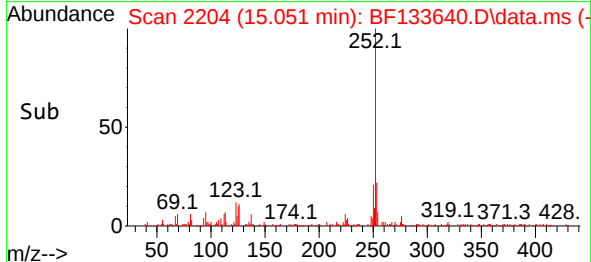
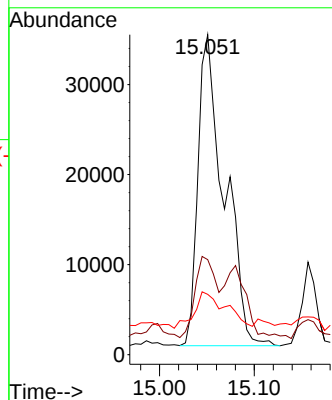
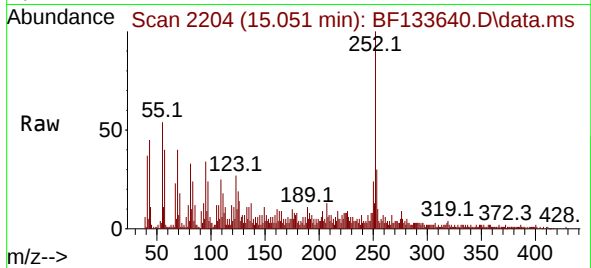




#89
Benzo(k)fluoranthene
Concen: 6.922 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

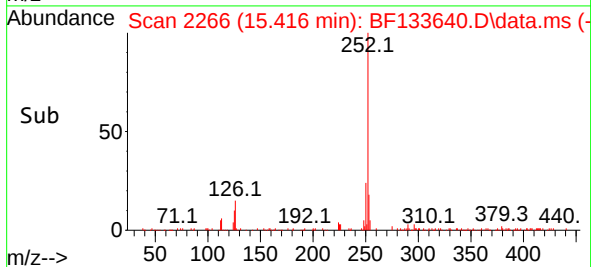
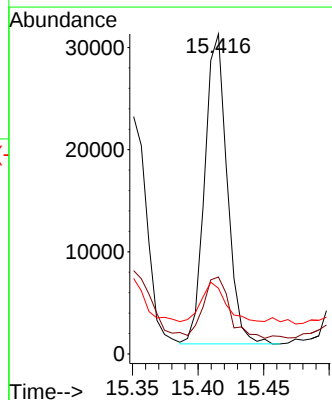
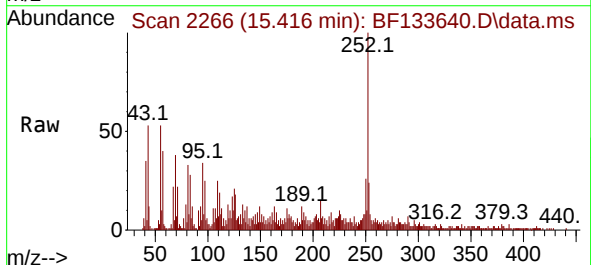
Instrument :
BNA_F
ClientSampleId :
PAT-1-060523

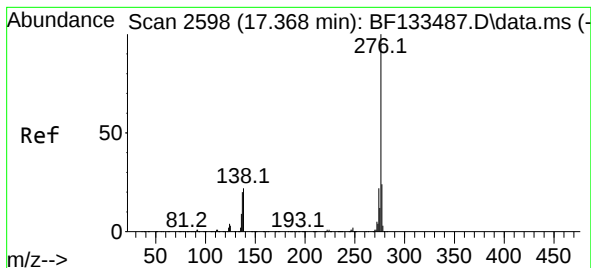
Tgt Ion:252 Resp: 66590
Ion Ratio Lower Upper
252 100
253 29.7 17.4 26.2#
125 18.9 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 4.010 ng
RT: 15.416 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF133640.D
Acq: 08 Jun 2023 14:00

Tgt Ion:252 Resp: 36001
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 20.5 9.4 14.0#





#92

Benzo(g,h,i)perylene

Concen: 3.406 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133640.D

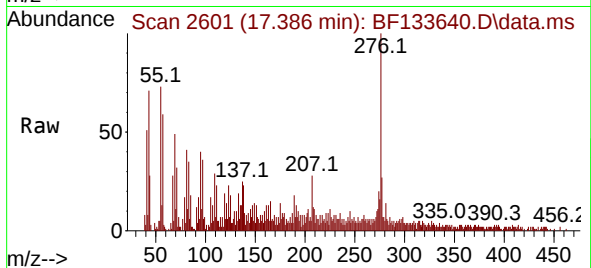
Acq: 08 Jun 2023 14:00

Instrument :

BNA_F

ClientSampleId :

PAT-1-060523



Tgt Ion:276 Resp: 26870

Ion Ratio Lower Upper

276 100

277 27.2 18.8 28.2

138 23.4 17.8 26.6

