

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133662.D
 Acq On : 09 Jun 2023 03:04
 Operator : CG\JU
 Sample : 03002-08DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB02DL

Quant Time: Jun 09 04:13:21 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)

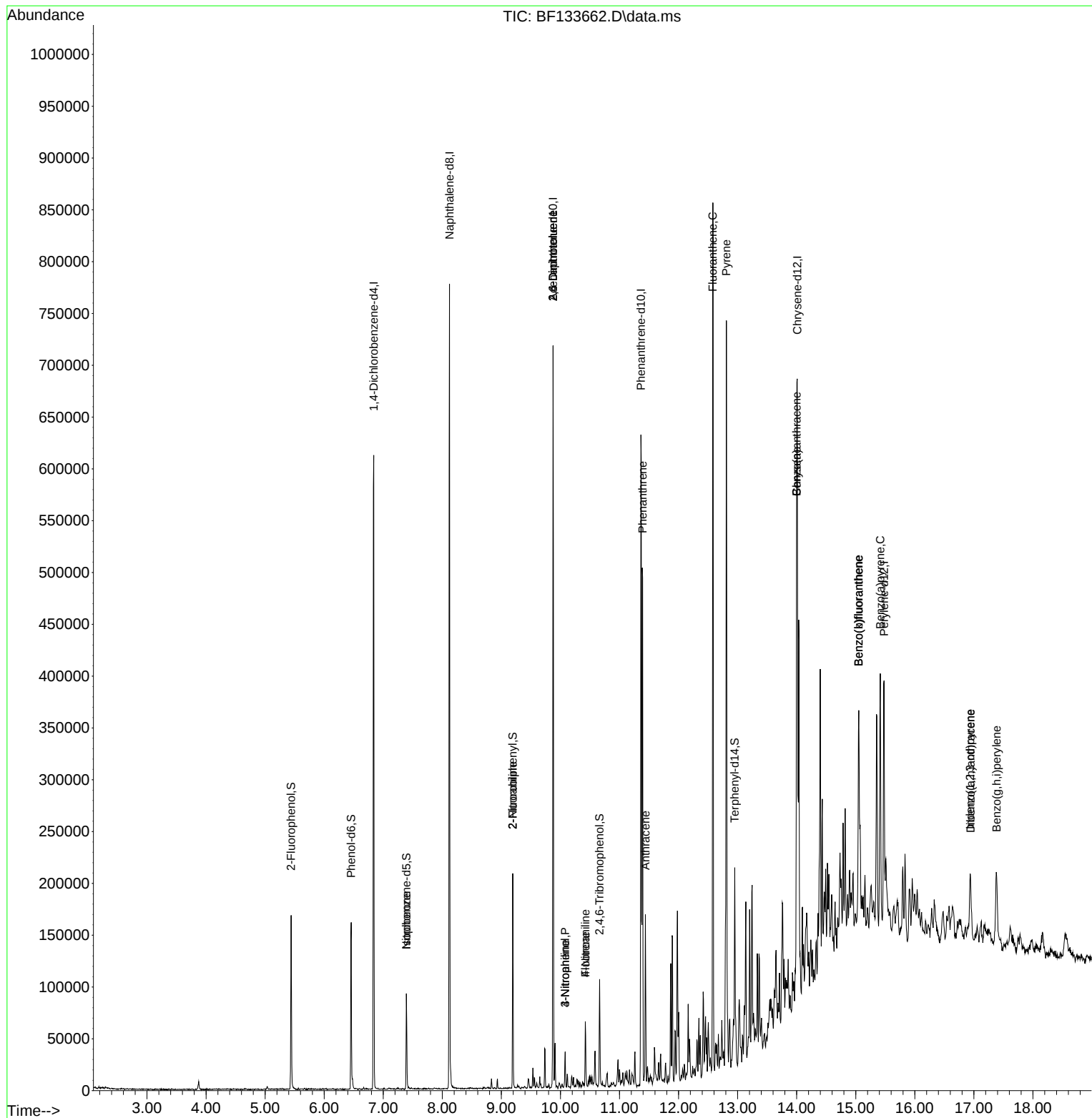
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	93676	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	313686	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	128868	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	242618	20.000	ng	0.00
76) Chrysene-d12	14.010	240	143800	20.000	ng	0.00
86) Perylene-d12	15.480	264	118654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	41569	7.404	ng	0.00
7) Phenol-d6	6.457	99	48821	7.064	ng	-0.01
23) Nitrobenzene-d5	7.392	82	25804	5.492	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	9232	7.187	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	54842	6.568	ng	0.00
79) Terphenyl-d14	12.951	244	51485	6.366	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	66	Below Cal	#	1
25) Isophorone	7.392	82	25804	2.357	ng	# 65
48) 2-Nitroaniline	9.192	65	116	4.034	ng	# 1
51) 2,6-Dinitrotoluene	9.874	165	17166	12.886	ng	# 18
53) 3-Nitroaniline	10.080	138	116	3.230	ng	# 1
56) 4-Nitrophenol	10.080	139	3599	2.323	ng	# 5
57) 2,4-Dinitrotoluene	9.874	165	17166	11.983	ng	# 15
58) Fluorene	10.422	166	17192	2.011	ng	100
62) 4-Nitroaniline	10.422	138	132	3.042	ng	# 19
71) Phenanthrene	11.392	178	187154	15.230	ng	99
72) Anthracene	11.439	178	54949	4.345	ng	97
75) Fluoranthene	12.580	202	307309	22.640	ng	99
78) Pyrene	12.810	202	287768	23.517	ng	98
81) Benzo(a)anthracene	13.998	228	154749	16.154	ng	96
83) Chrysene	13.998	228	154749	16.002	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	46692	6.178	ng	94
88) Benzo(b)fluoranthene	15.051	252	156493	20.254	ng	96
89) Benzo(k)fluoranthene	15.051	252	156493	20.772	ng	97
90) Benzo(a)pyrene	15.415	252	117740	16.747	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	16283	2.657	ng	# 62
92) Benzo(g,h,i)perylene	17.386	276	69960	11.322	ng	93

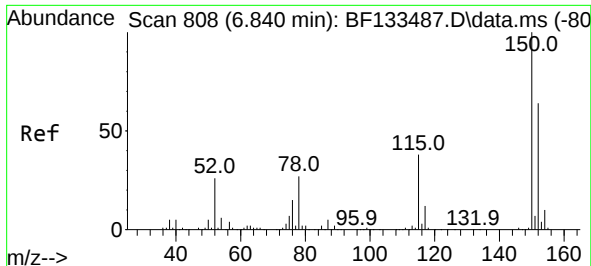
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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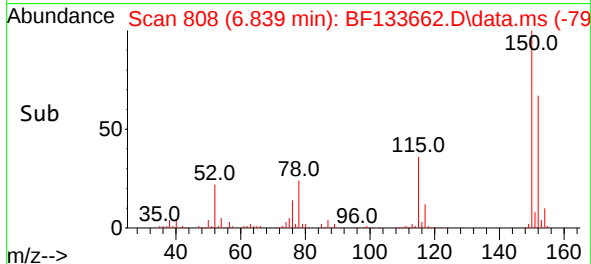
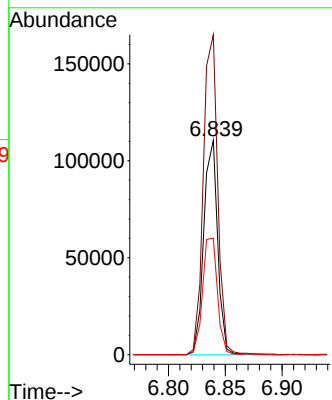
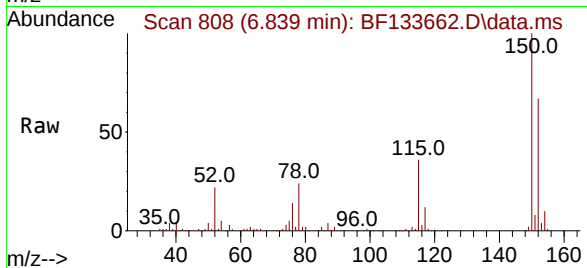




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

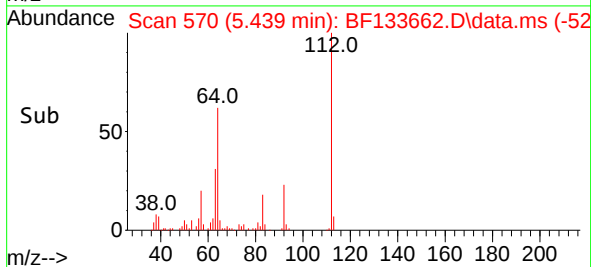
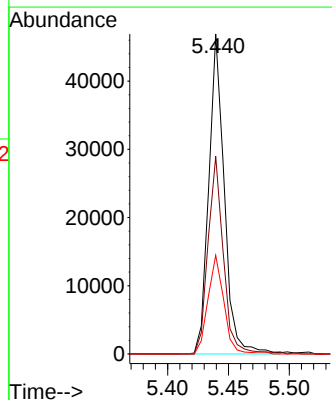
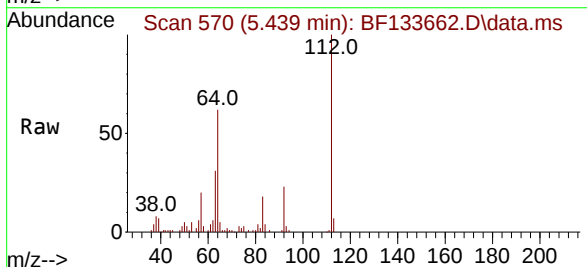
Instrument :
BNA_F
ClientSampleId :
SB02DL

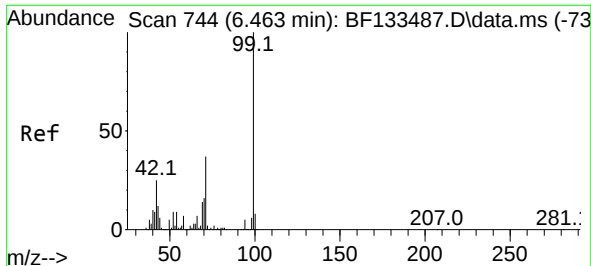
Tgt Ion:152 Resp: 93676
Ion Ratio Lower Upper
152 100
150 149.4 124.9 187.3
115 54.4 48.1 72.1



#5
2-Fluorophenol
Concen: 7.404 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:112 Resp: 41569
Ion Ratio Lower Upper
112 100
64 61.7 50.1 75.1
63 30.8 27.5 41.3

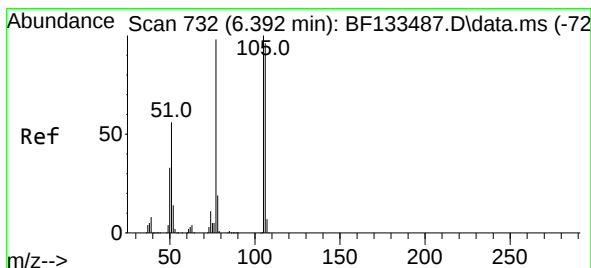
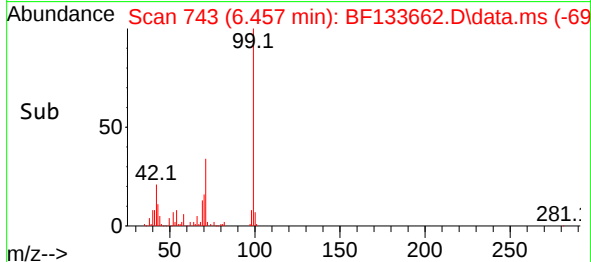
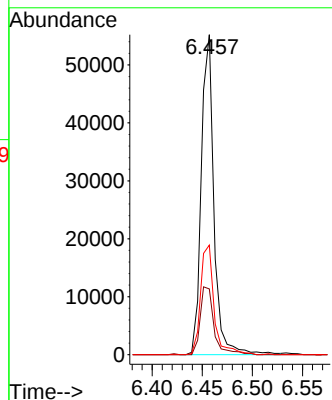
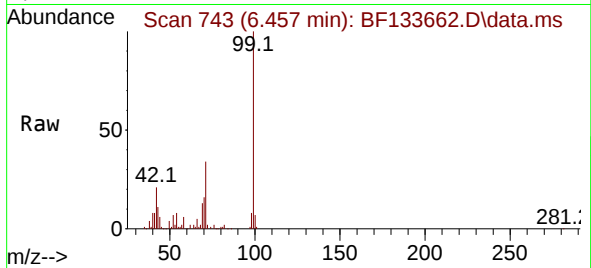




#7
Phenol-d6
Concen: 7.064 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

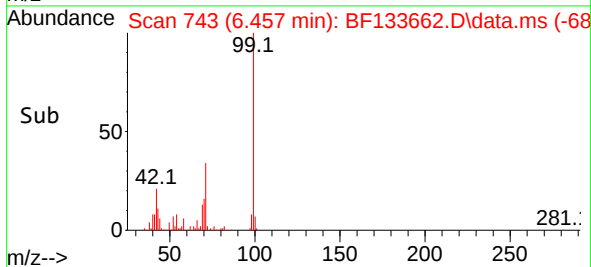
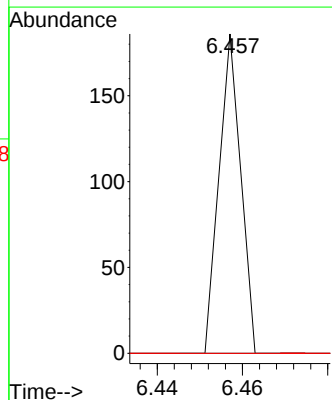
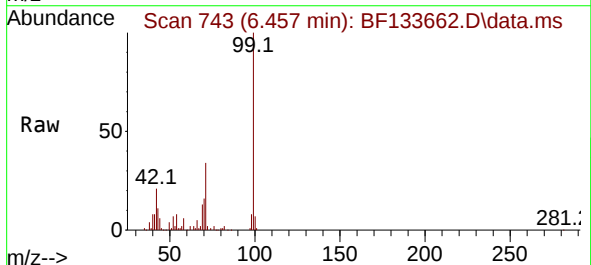
Instrument :
BNA_F
ClientSampleId :
SB02DL

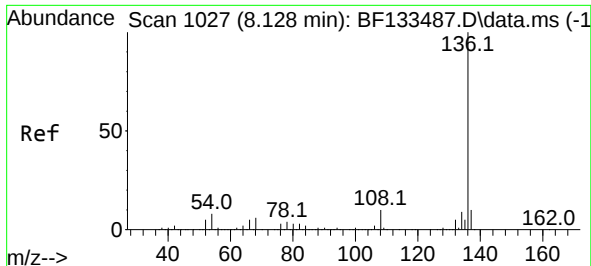
Tgt Ion: 99 Resp: 48821
Ion Ratio Lower Upper
99 100
42 20.5 19.7 29.5
71 34.3 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.071 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion: 77 Resp: 66
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#



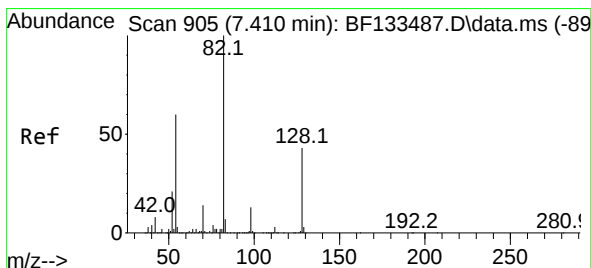
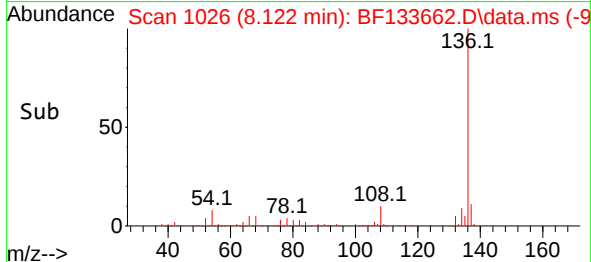
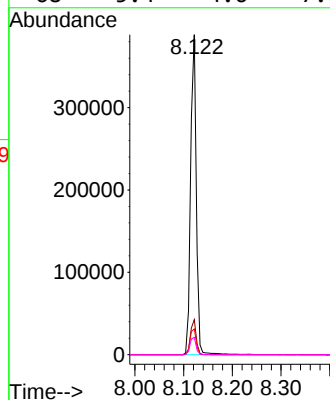
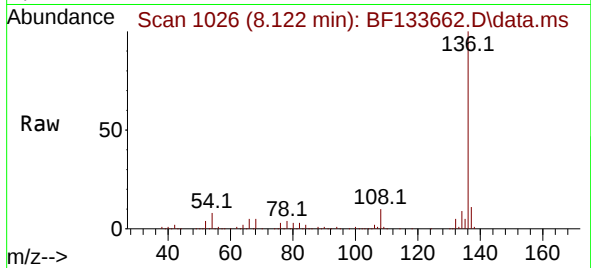


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Instrument :
BNA_F
ClientSampleId :
SB02DL

Tgt Ion:136 Resp: 313686

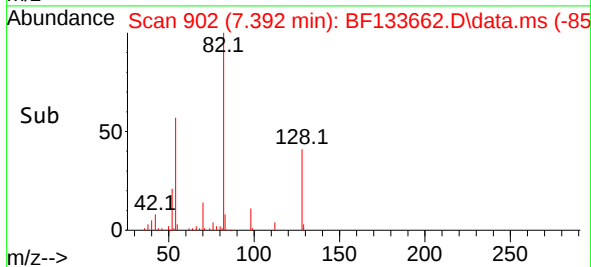
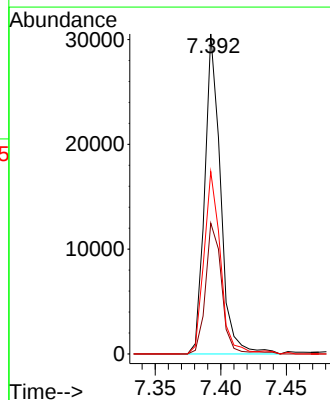
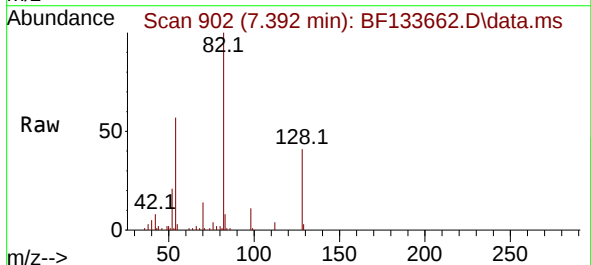
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.1	6.6	10.0
68	5.4	4.6	7.0

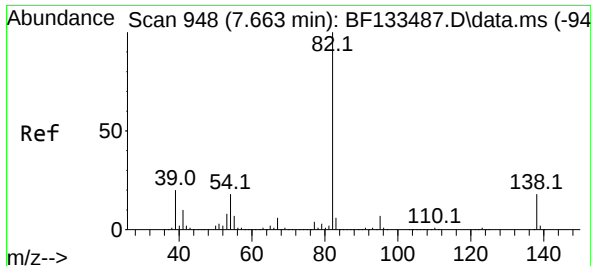


#23
Nitrobenzene-d5
Concen: 5.492 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion: 82 Resp: 25804

Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.2	51.4
54	57.0	48.2	72.4

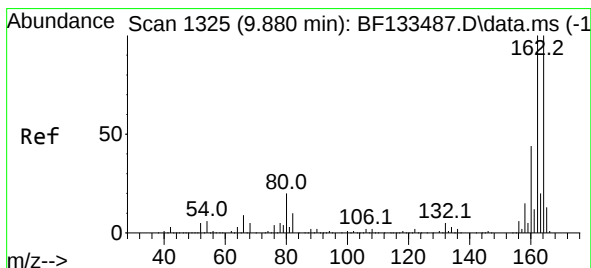
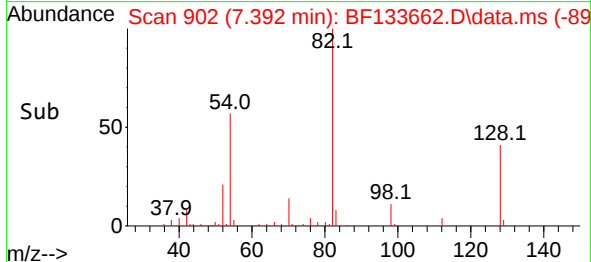
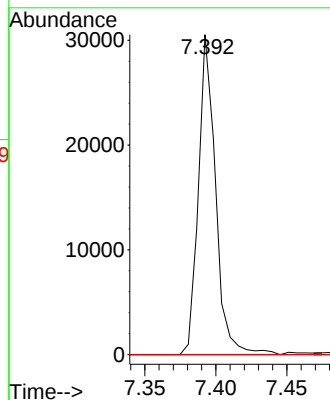
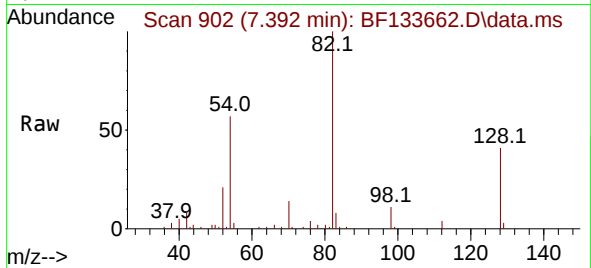




#25
Isophorone
Concen: 2.357 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

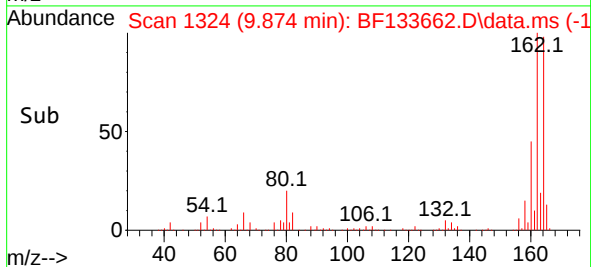
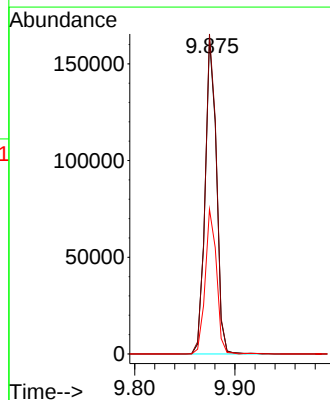
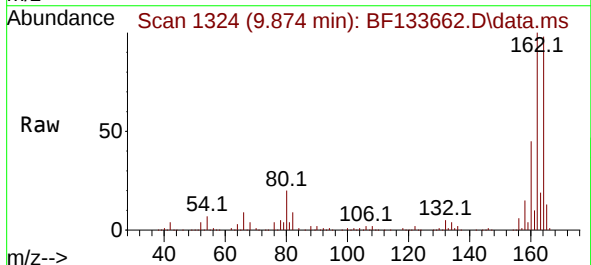
Instrument :
BNA_F
ClientSampleId :
SB02DL

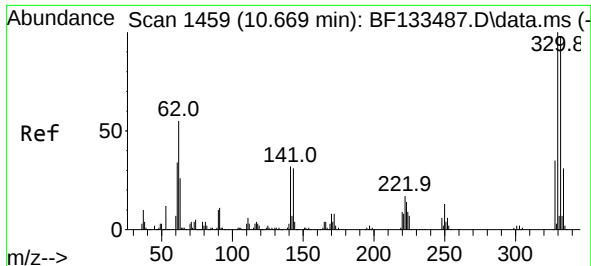
Tgt Ion: 82 Resp: 25804
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion: 164 Resp: 128868
Ion Ratio Lower Upper
164 100
162 101.5 79.7 119.5
160 45.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 7.187 ng

RT: 10.663 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

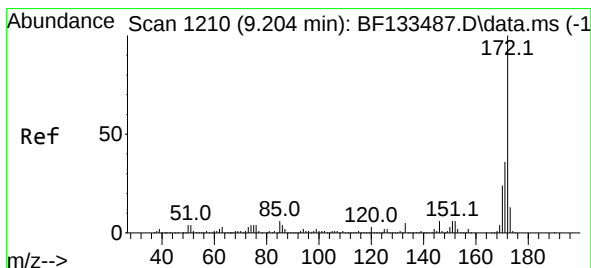
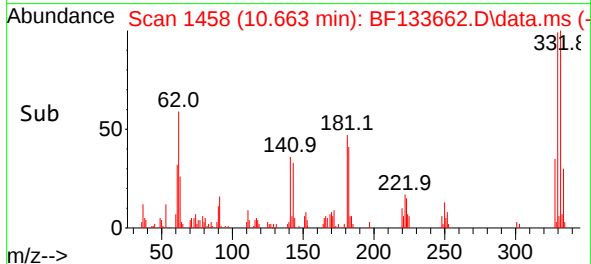
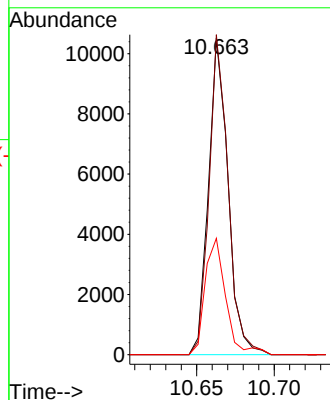
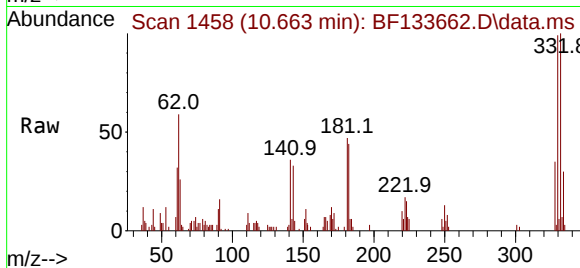
Tgt Ion:330 Resp: 9232

Ion Ratio Lower Upper

330 100

332 98.4 77.8 116.6

141 38.9 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 6.568 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

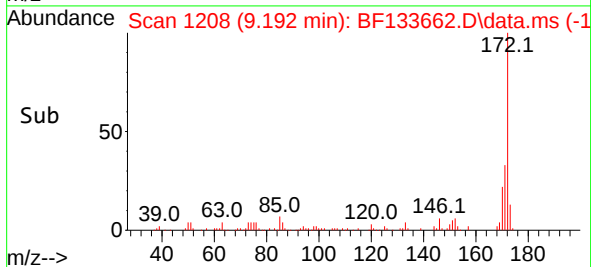
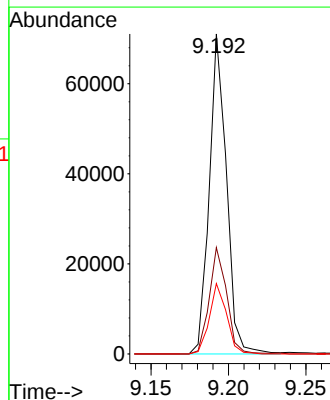
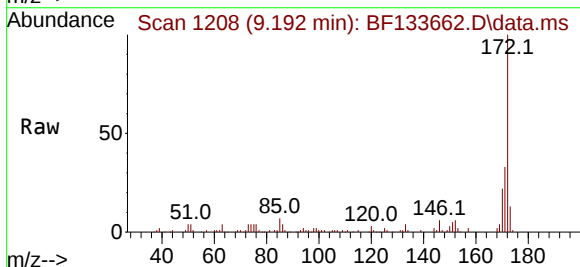
Tgt Ion:172 Resp: 54842

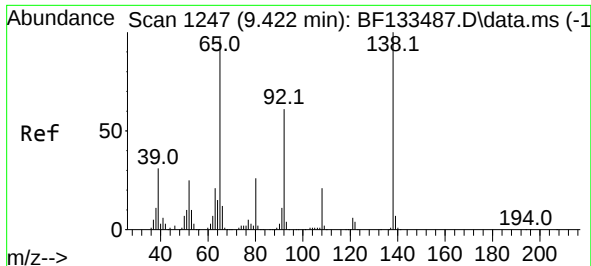
Ion Ratio Lower Upper

172 100

171 33.3 28.4 42.6

170 22.0 19.3 28.9

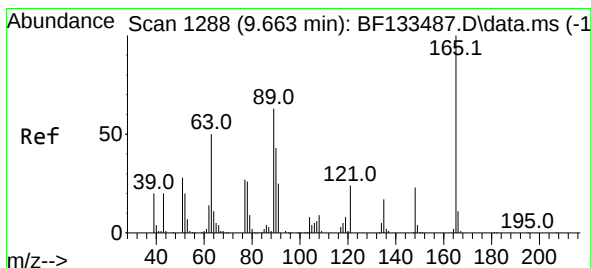
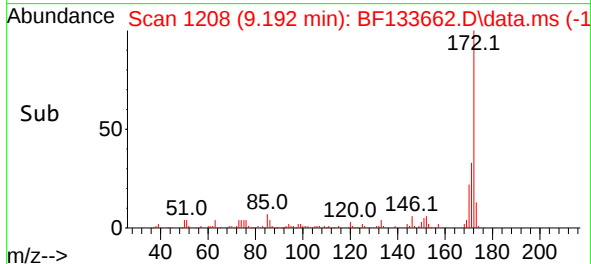
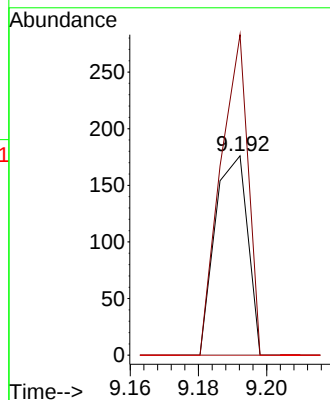
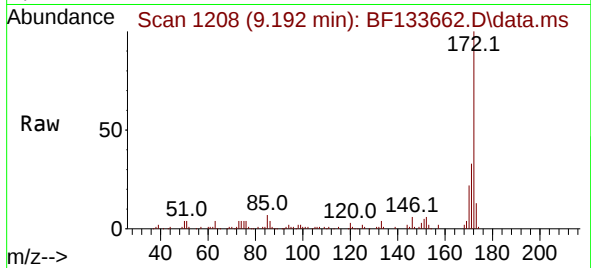




#48
2-Nitroaniline
Concen: 4.034 ng
RT: 9.192 min Scan# 116
Delta R.T. -0.229 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

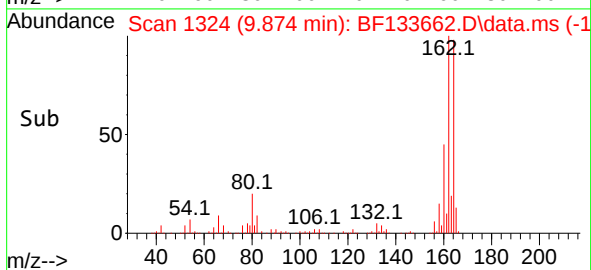
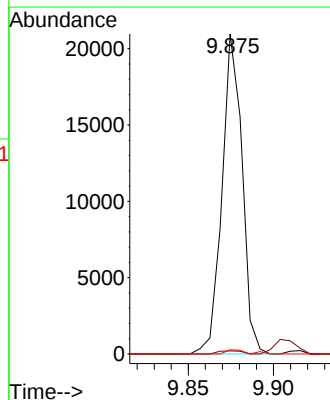
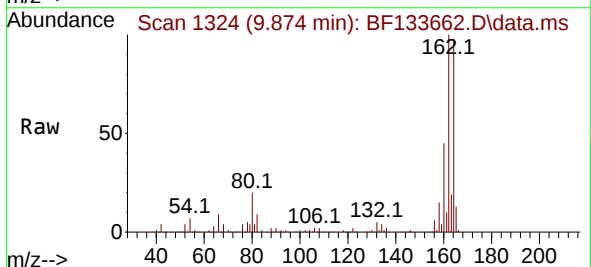
Instrument :
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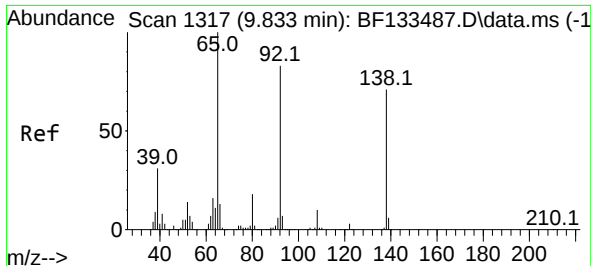
Tgt Ion: 65 Resp: 116
Ion Ratio Lower Upper
65 100
92 160.8 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.886 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion: 165 Resp: 17166
Ion Ratio Lower Upper
165 100
63 0.9 57.0 85.4#
89 1.3 50.8 76.2#

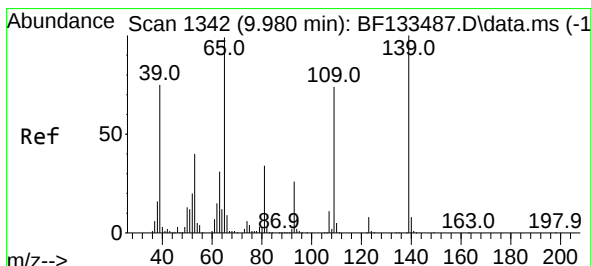
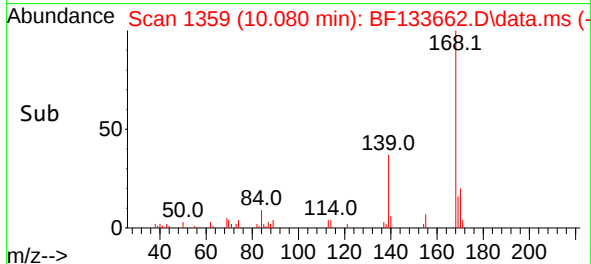
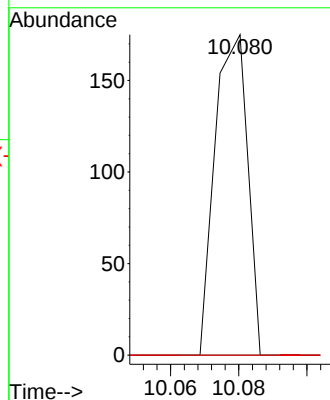
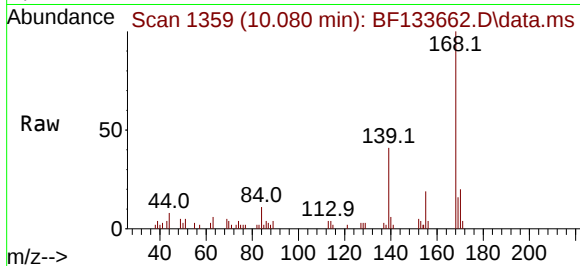




#53
3-Nitroaniline
Concen: 3.230 ng
RT: 10.080 min Scan# 116
Delta R.T. 0.247 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

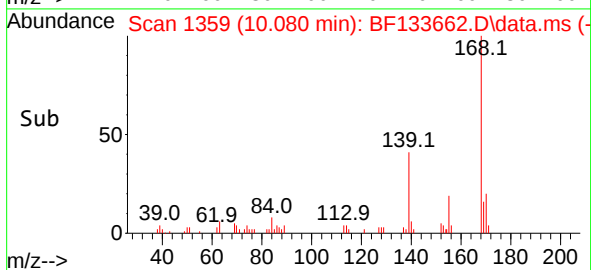
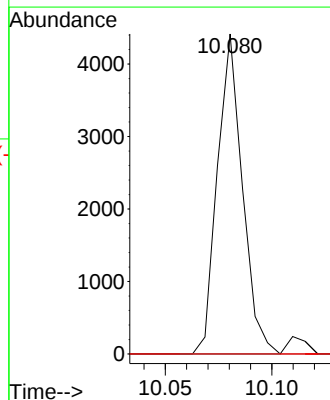
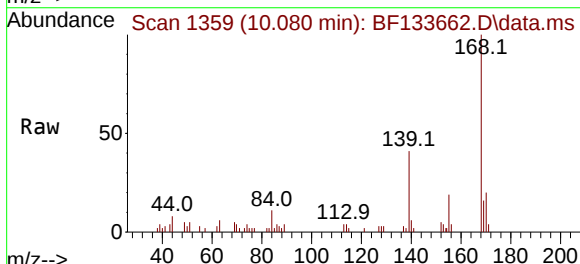
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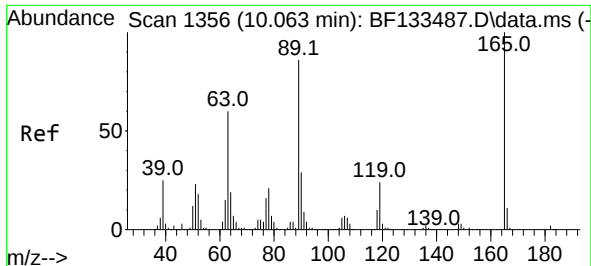
Tgt Ion:138 Resp: 116
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#56
4-Nitrophenol
Concen: 2.323 ng
RT: 10.080 min Scan# 1359
Delta R.T. 0.094 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:139 Resp: 3599
Ion Ratio Lower Upper
139 100
109 0.0 54.5 94.5#
65 0.0 79.5 119.5#

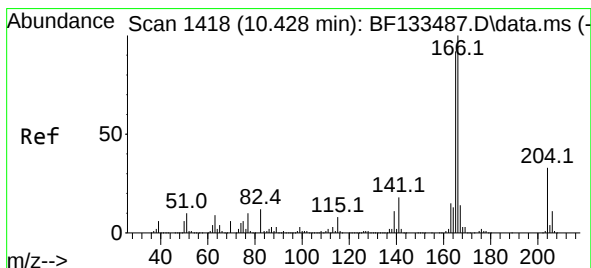
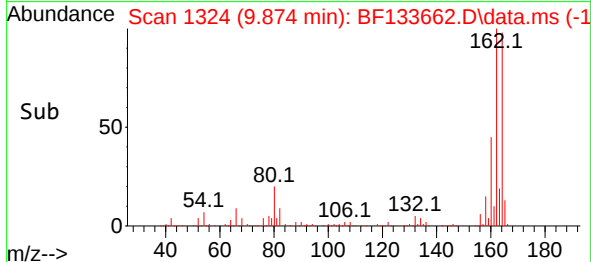
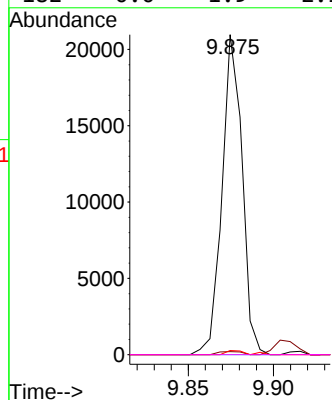
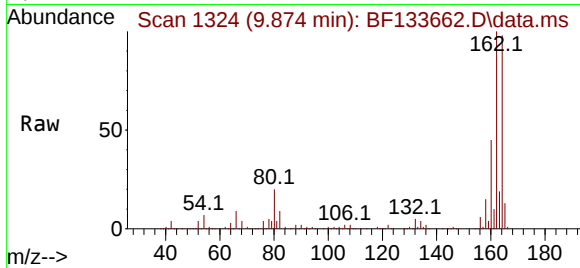




#57
2,4-Dinitrotoluene
Concen: 11.983 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

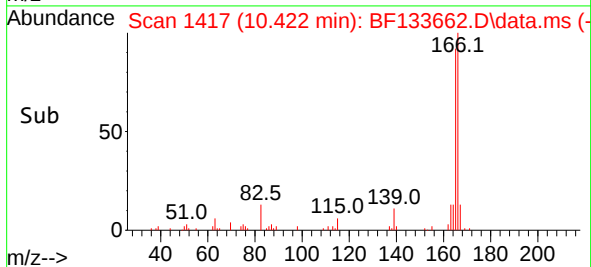
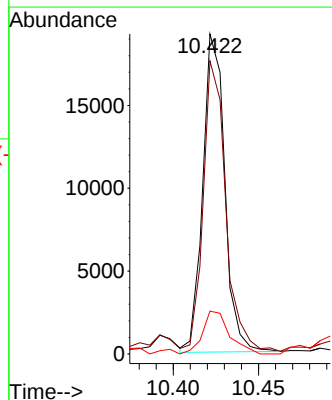
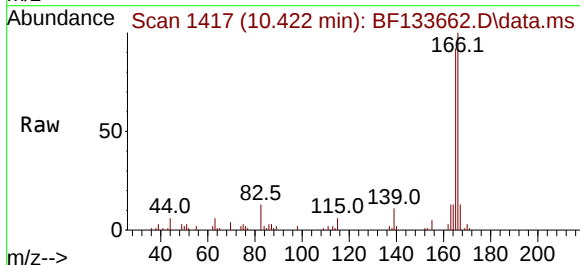
Instrument :
BNA_F
ClientSampleId :
SB02DL

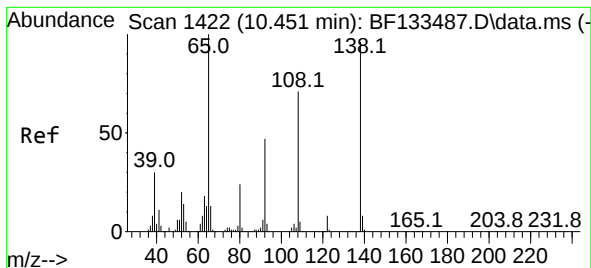
Tgt Ion:165 Resp: 17166
Ion Ratio Lower Upper
165 100
63 0.9 48.1 72.1#
89 1.3 68.4 102.6#
182 0.0 1.9 2.9#



#58
Fluorene
Concen: 2.011 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:166 Resp: 17192
Ion Ratio Lower Upper
166 100
165 91.5 73.4 110.0
167 13.4 10.9 16.3

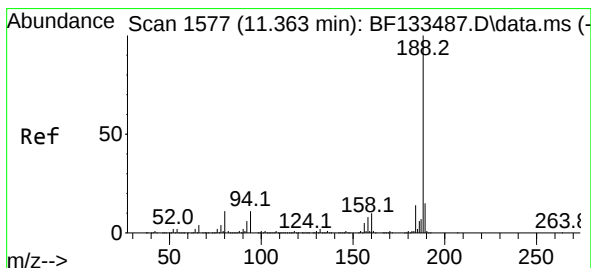
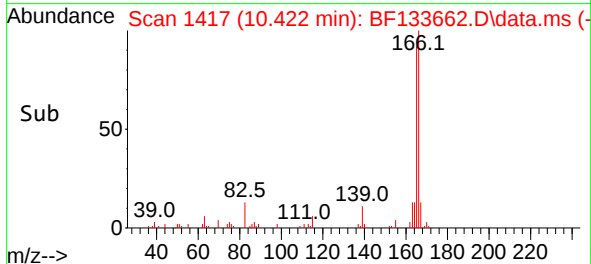
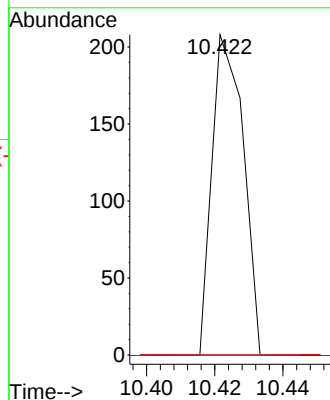
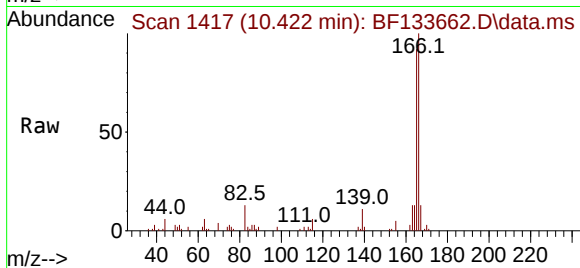




#62
4-Nitroaniline
Concen: 3.042 ng
RT: 10.422 min Scan# 1422
Delta R.T. -0.029 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

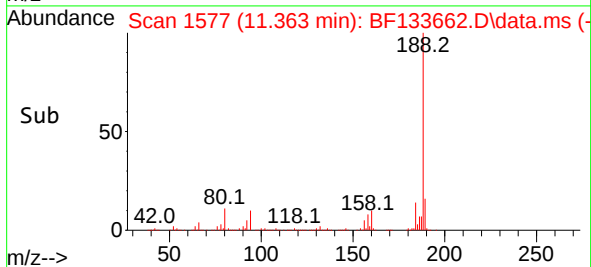
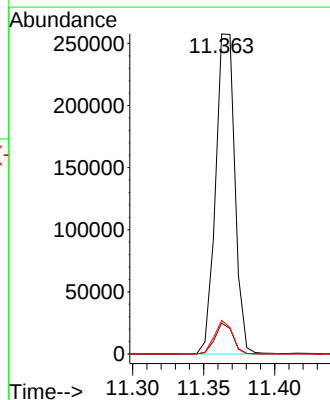
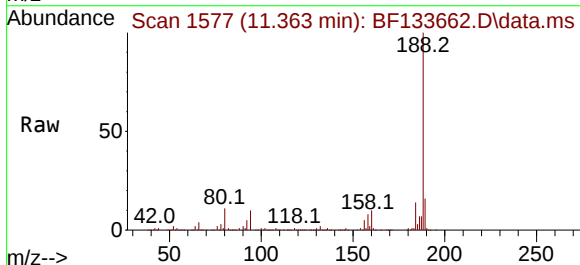
Instrument :
BNA_F
ClientSampleId :
SB02DL

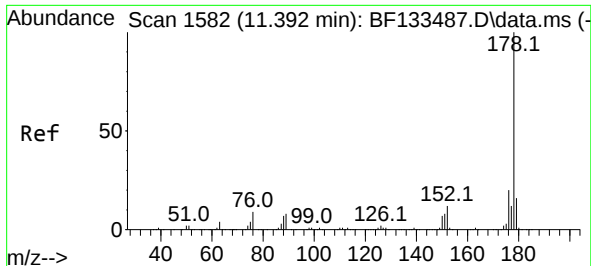
Tgt Ion:138 Resp: 132
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:188 Resp: 242618
Ion Ratio Lower Upper
188 100
94 9.6 8.6 12.8
80 10.5 9.2 13.8

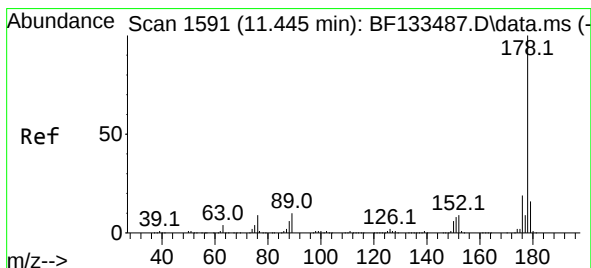
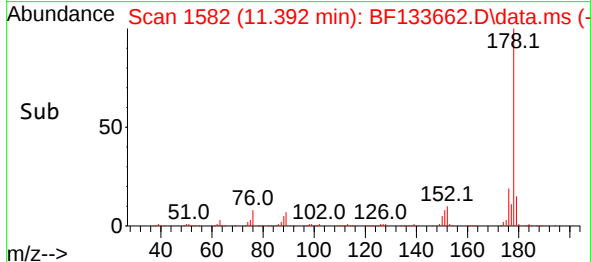
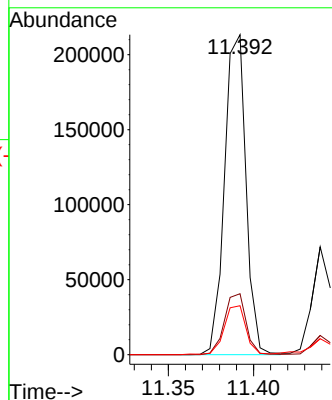
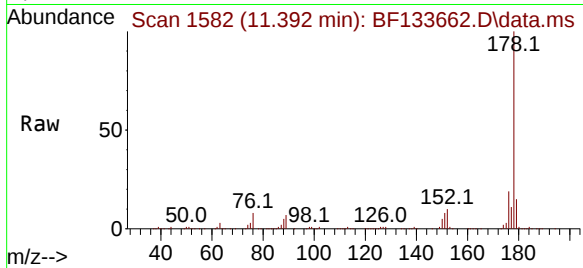




#71
Phenanthrene
Concen: 15.230 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

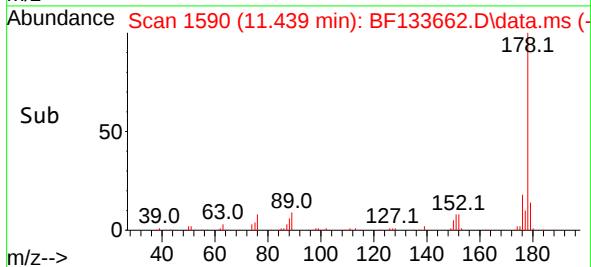
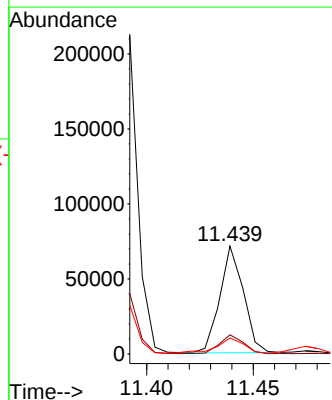
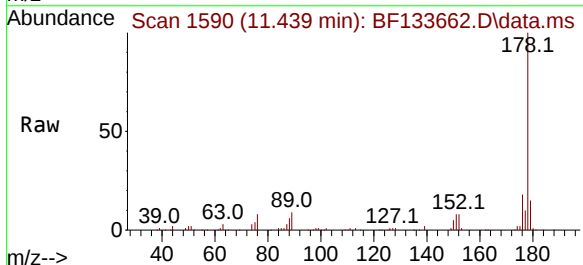
Instrument :
BNA_F
ClientSampleId :
SB02DL

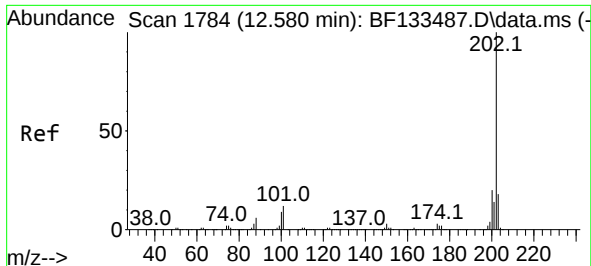
Tgt Ion:178 Resp: 187154
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.3 12.4 18.6



#72
Anthracene
Concen: 4.345 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:178 Resp: 54949
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 14.8 12.6 18.8

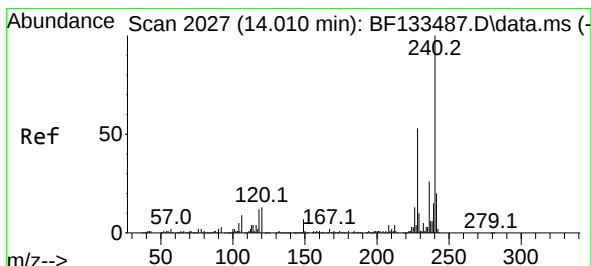
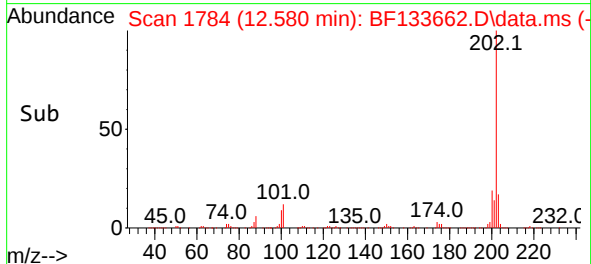
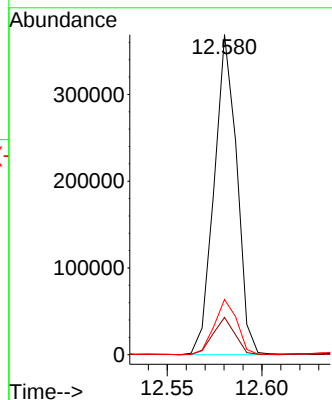
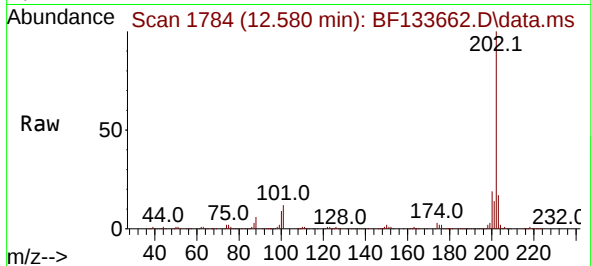




#75
Fluoranthene
Concen: 22.640 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

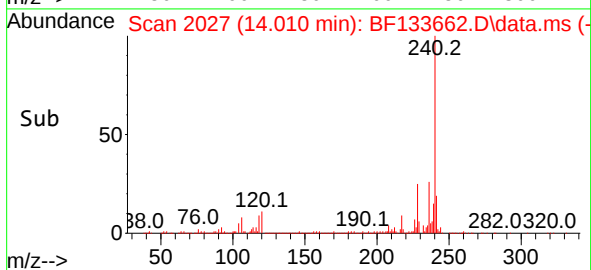
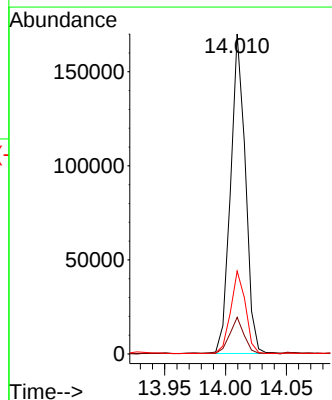
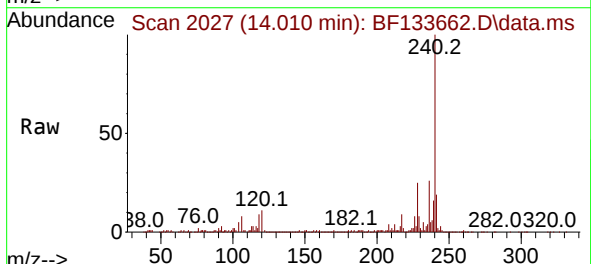
Instrument :
BNA_F
ClientSampleId :
SB02DL

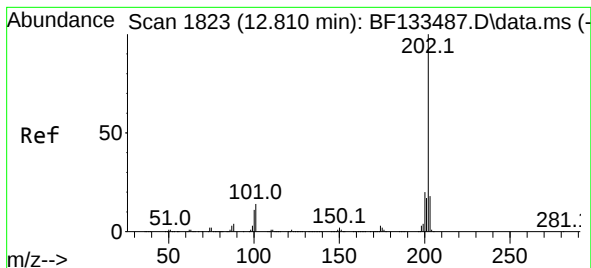
Tgt Ion:202 Resp: 307309
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.2
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:240 Resp: 143800
Ion Ratio Lower Upper
240 100
120 11.4 10.3 15.5
236 25.9 20.5 30.7





#78

Pyrene

Concen: 23.517 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

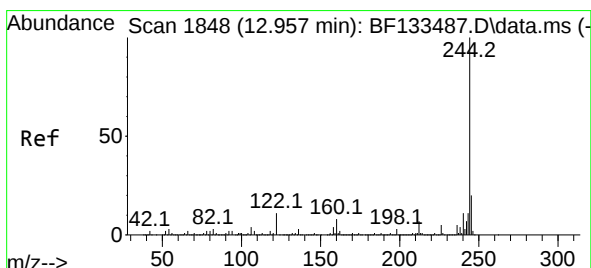
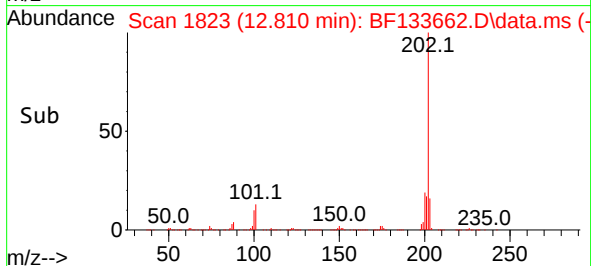
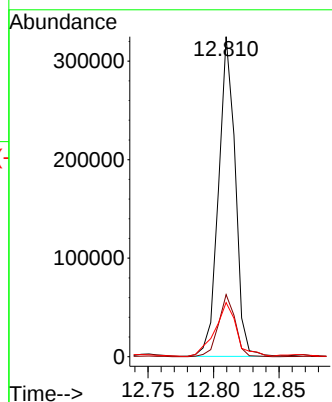
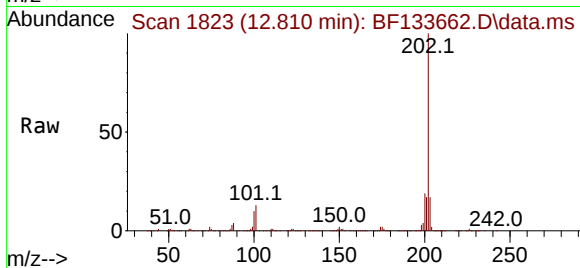
Tgt Ion:202 Resp: 287768

Ion Ratio Lower Upper

202 100

200 19.4 16.3 24.5

203 16.9 14.3 21.5



#79

Terphenyl-d14

Concen: 6.366 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

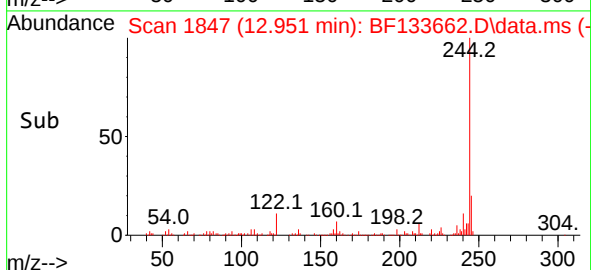
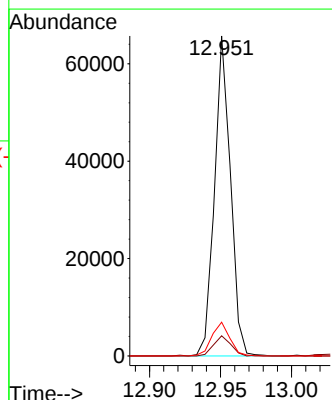
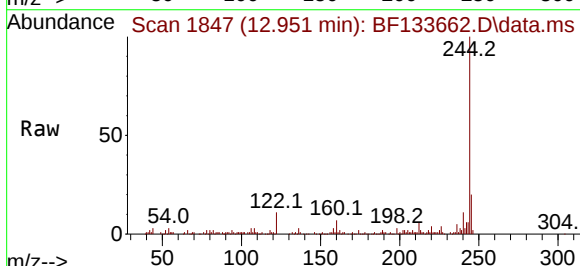
Tgt Ion:244 Resp: 51485

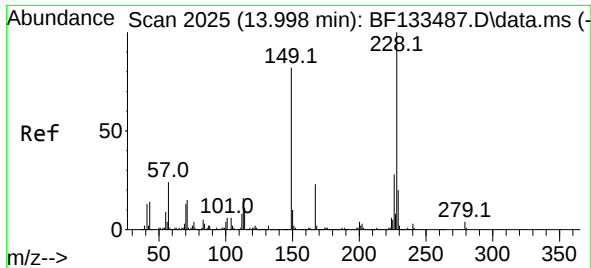
Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.6

122 10.6 8.5 12.7

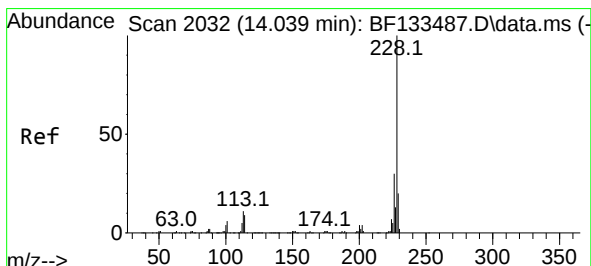
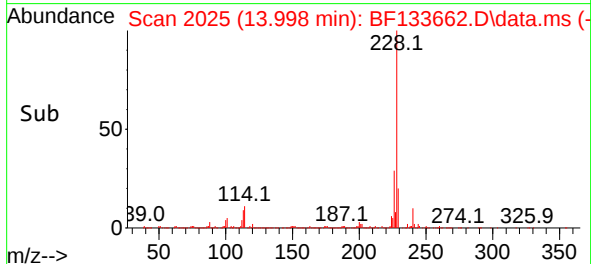
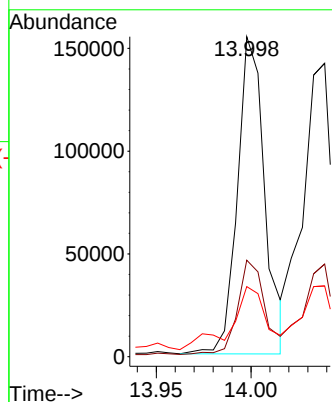
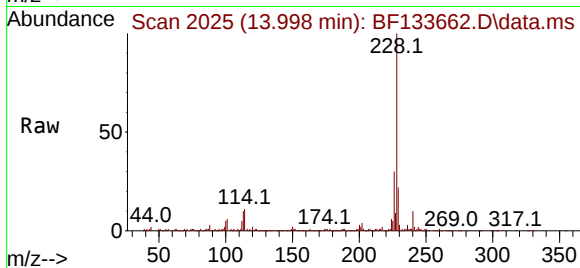




#81
Benzo(a)anthracene
Concen: 16.154 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

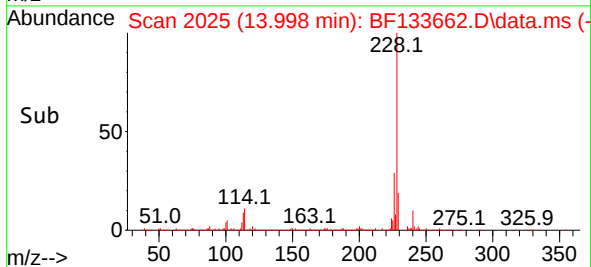
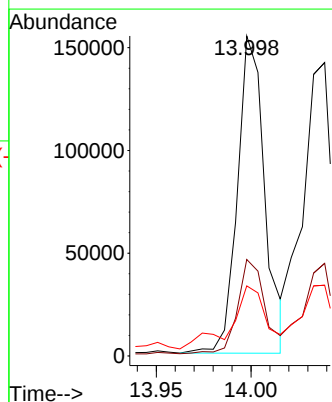
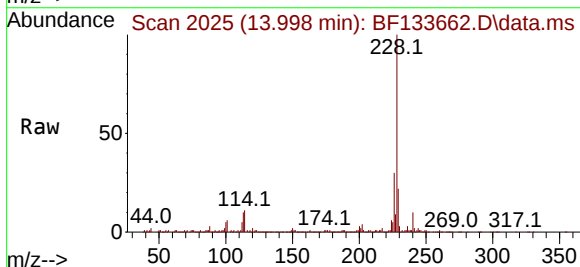
Instrument :
BNA_F
ClientSampleId :
SB02DL

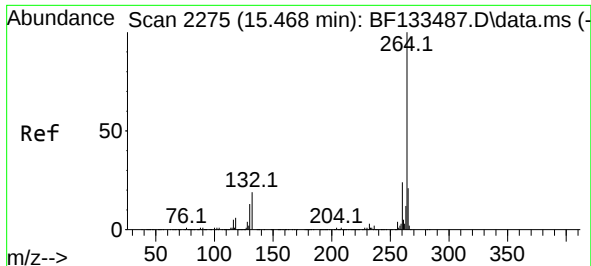
Tgt Ion:228 Resp: 154749
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 21.9 16.1 24.1



#83
Chrysene
Concen: 16.002 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.047 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:228 Resp: 154749
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 21.9 15.8 23.8

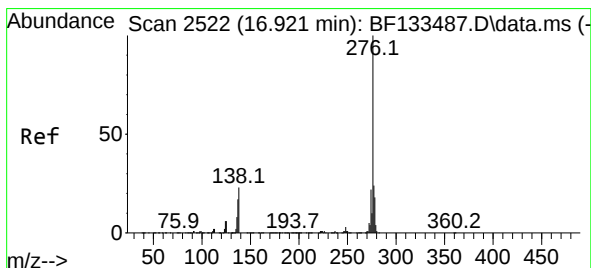
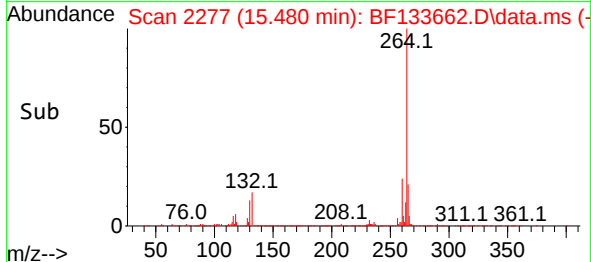
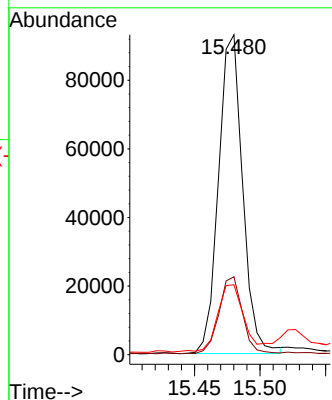
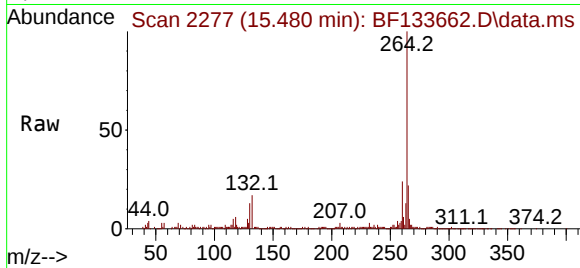




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

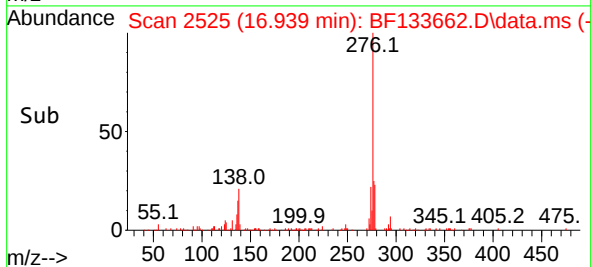
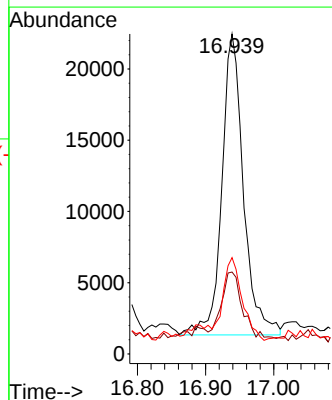
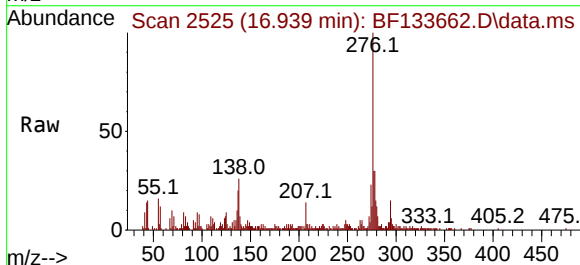
Instrument :
BNA_F
ClientSampleId :
SB02DL

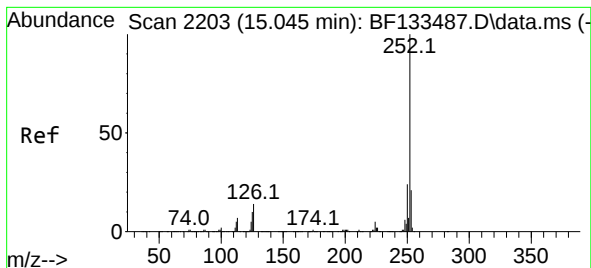
Tgt Ion:264 Resp: 118654
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 21.8 16.8 25.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.178 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF133662.D
Acq: 09 Jun 2023 03:04

Tgt Ion:276 Resp: 46692
Ion Ratio Lower Upper
276 100
138 21.9 21.4 32.2
277 24.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 20.254 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.000 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

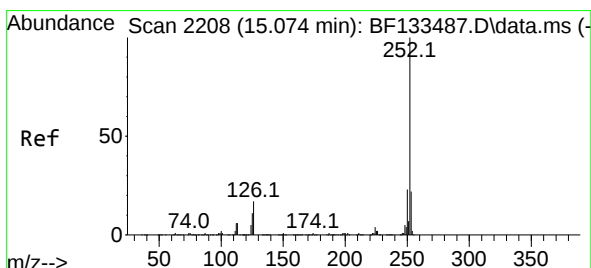
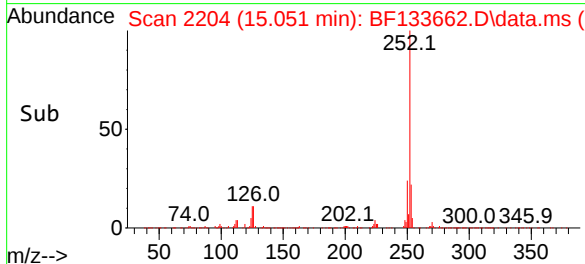
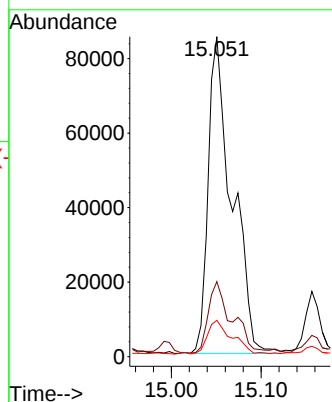
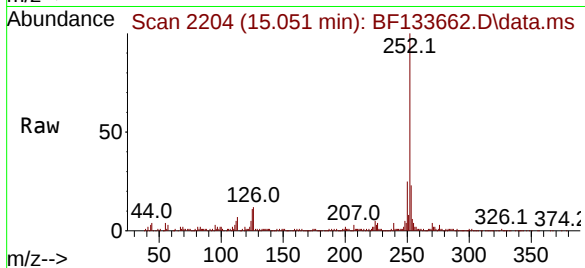
Tgt Ion:252 Resp: 156493

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

125 11.4 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 20.772 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

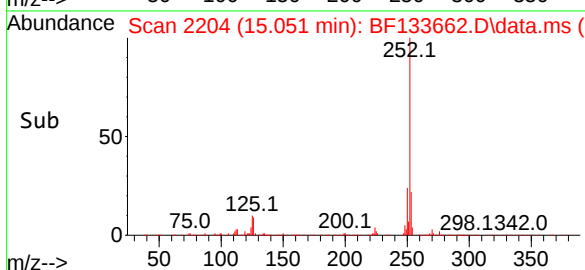
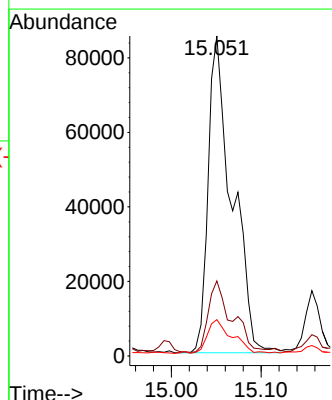
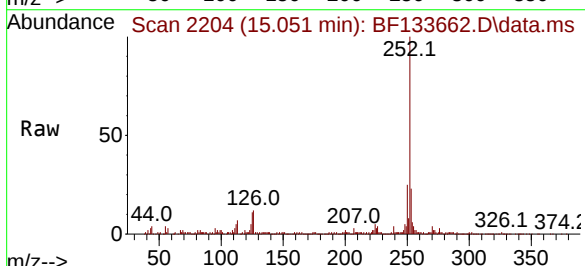
Tgt Ion:252 Resp: 156493

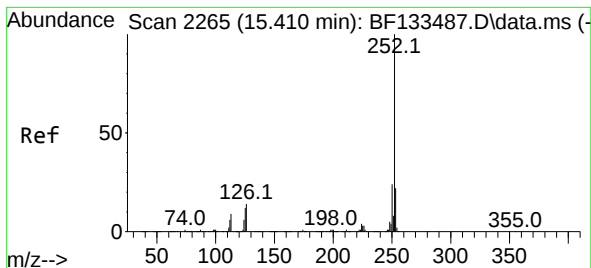
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 11.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 16.747 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL

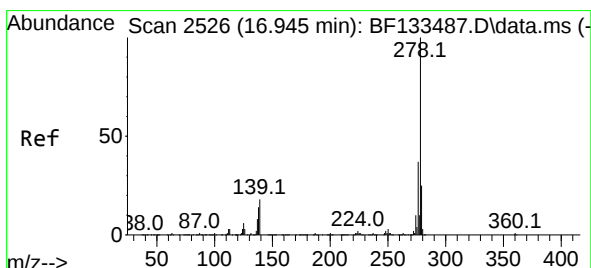
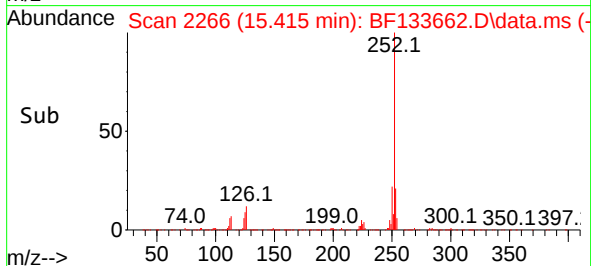
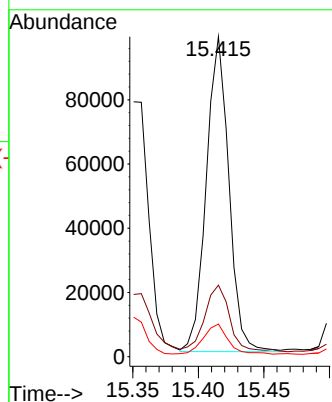
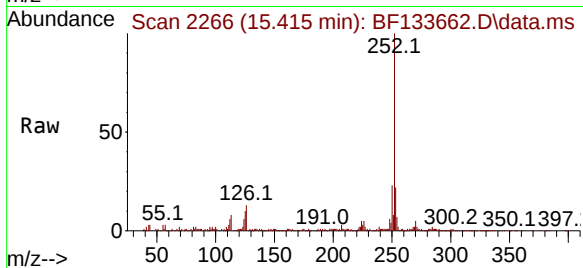
Tgt Ion:252 Resp: 117740

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.2 9.4 14.0



#91

Dibenzo(a,h)anthracene

Concen: 2.657 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.024 min

Lab File: BF133662.D

Acq: 09 Jun 2023 03:04

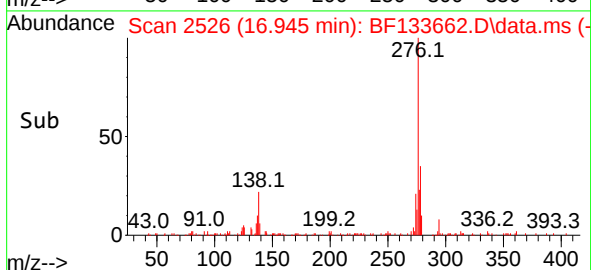
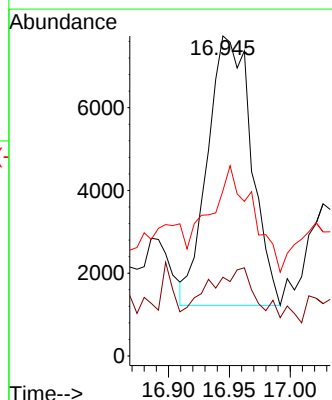
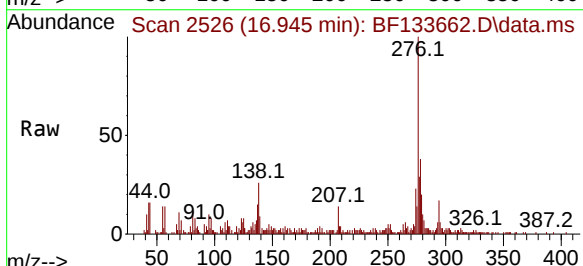
Tgt Ion:278 Resp: 16283

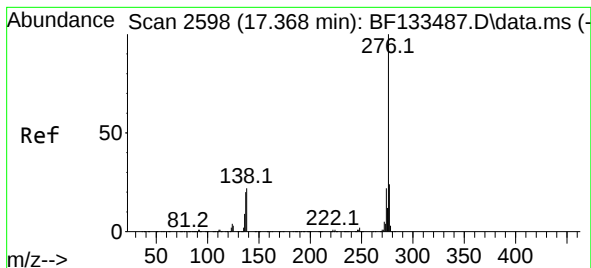
Ion Ratio Lower Upper

278 100

139 24.6 14.1 21.1#

279 51.7 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 11.322 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133662.D

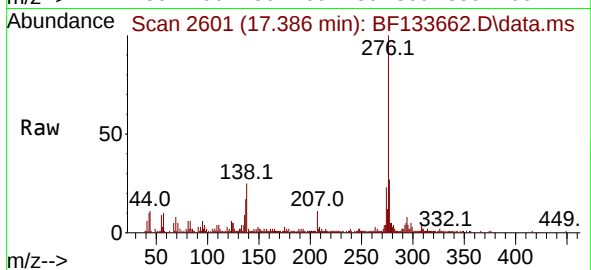
Acq: 09 Jun 2023 03:04

Instrument :

BNA_F

ClientSampleId :

SB02DL



Tgt Ion:276 Resp: 69960

Ion Ratio Lower Upper

276 100

277 27.3 18.8 28.2

138 24.9 17.8 26.6

