

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133742.D
 Acq On : 13 Jun 2023 21:12
 Operator : CG\JU
 Sample : 03044-09DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-5.0-7.0DL

Quant Time: Jun 13 21:51:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

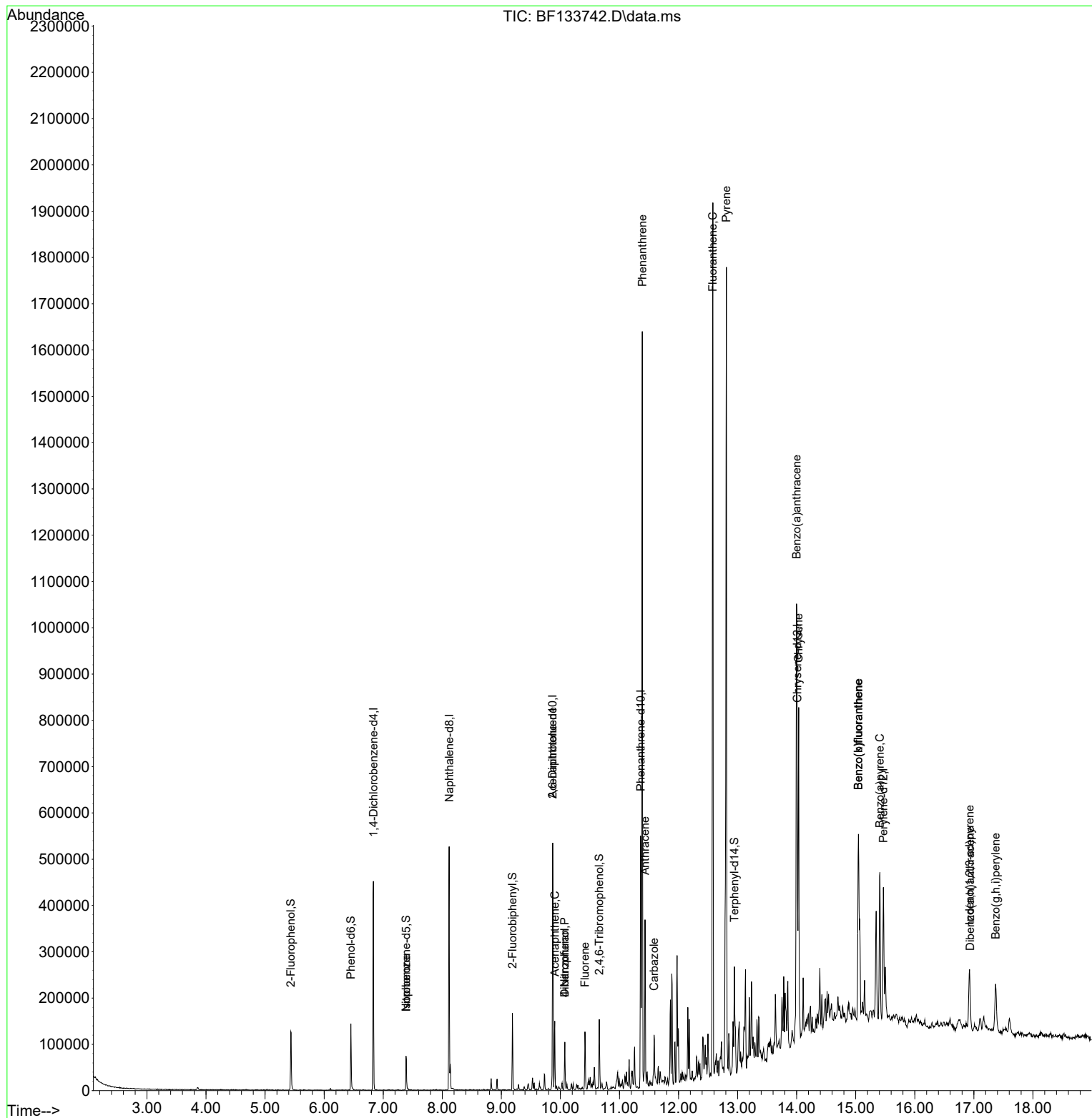
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	64492	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	209263	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	95753	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	207261	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	170455	20.000	ng	0.00
86) Perylene-d12	15.468	264	121788	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	35573	9.603	ng	-0.01
7) Phenol-d6	6.451	99	39350	8.160	ng	-0.02
23) Nitrobenzene-d5	7.387	82	22607	5.884	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	10765	8.882	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	44648	6.628	ng	-0.01
79) Terphenyl-d14	12.945	244	64893	5.891	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.387	82	22607	3.205	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	13028	8.831	ng	# 29
52) Acenaphthene	9.904	154	28191	4.995	ng	99
55) Dibenzofuran	10.075	168	31537	3.662	ng	97
56) 4-Nitrophenol	10.075	139	12679	10.465	ng	# 12
58) Fluorene	10.416	166	31478	4.780	ng	100
71) Phenanthrene	11.386	178	532637	50.653	ng	100
72) Anthracene	11.433	178	123739	11.286	ng	99
73) Carbazole	11.586	167	41458	4.060	ng	99
75) Fluoranthene	12.580	202	764696	68.481	ng	100
78) Pyrene	12.810	202	701117	44.155	ng	99
81) Benzo(a)anthracene	13.998	228	302343	25.643	ng	96
83) Chrysene	14.033	228	270629	24.268	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	88130	10.518	ng	96
88) Benzo(b)fluoranthene	15.045	252	303273	40.993	ng	97
89) Benzo(k)fluoranthene	15.045	252	303273	42.083	ng	97
90) Benzo(a)pyrene	15.410	252	160547	23.383	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	23154	3.338	ng	# 90
92) Benzo(g,h,i)perylene	17.368	276	83910	12.201	ng	96

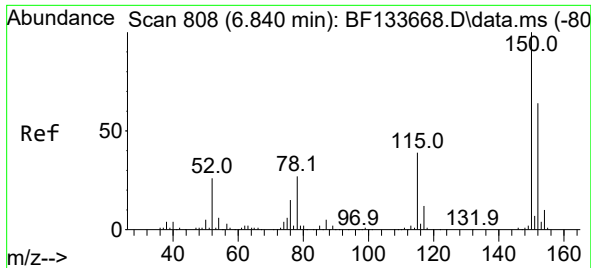
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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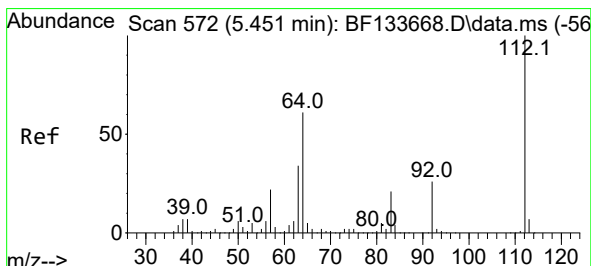
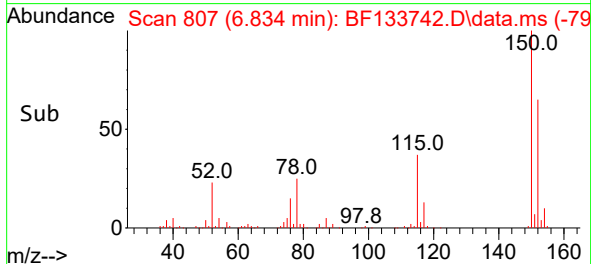
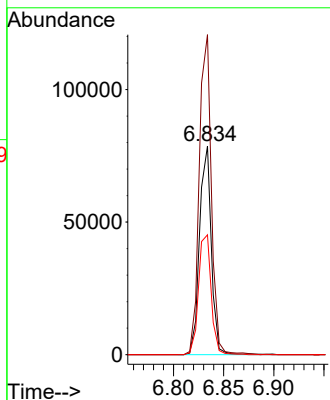
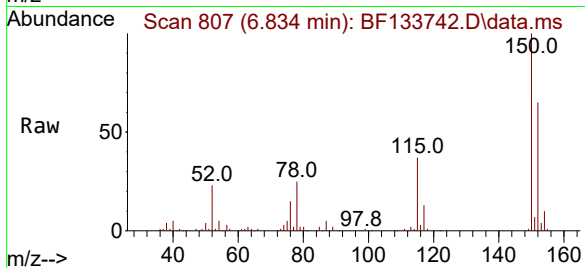




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

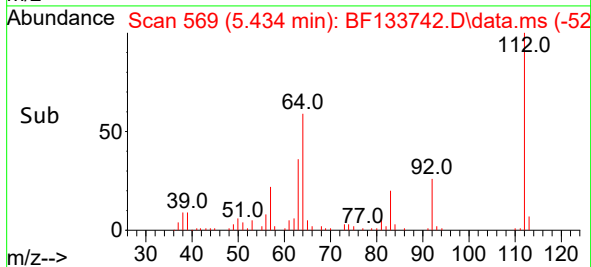
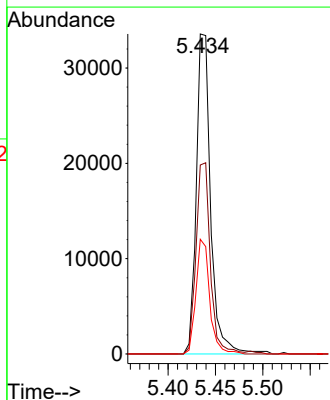
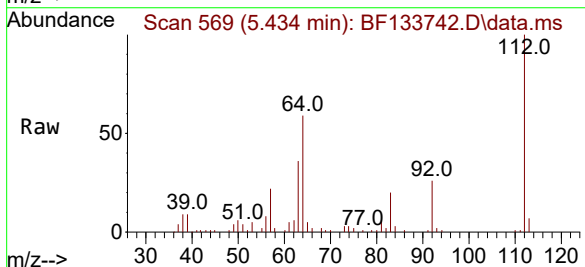
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

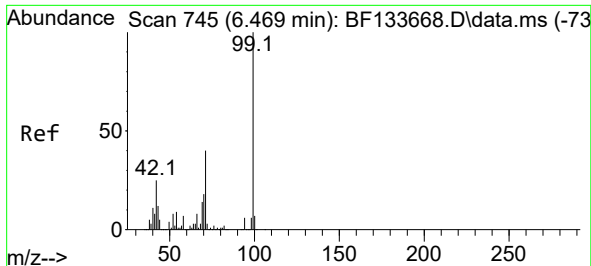
Tgt Ion:152 Resp: 64492
Ion Ratio Lower Upper
152 100
150 153.4 124.3 186.5
115 57.4 48.5 72.7



#5
2-Fluorophenol
Concen: 9.603 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:112 Resp: 35573
Ion Ratio Lower Upper
112 100
64 59.1 49.0 73.4
63 35.9 26.8 40.2

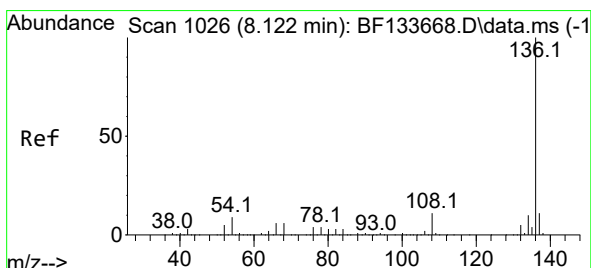
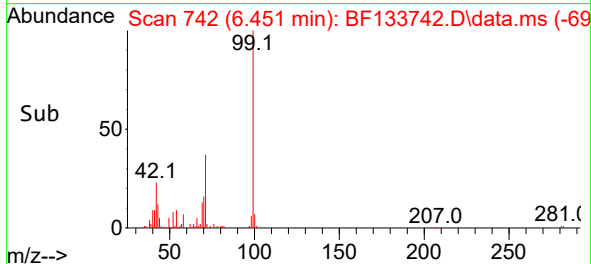
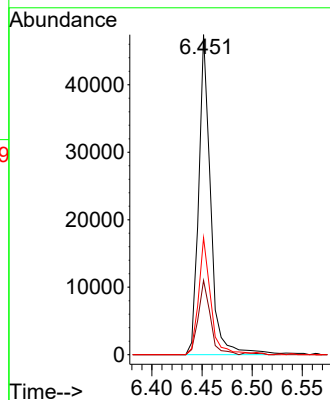
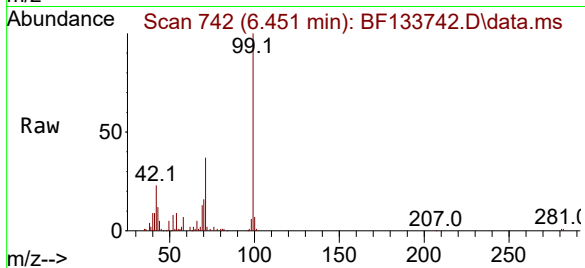




#7
Phenol-d6
Concen: 8.160 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

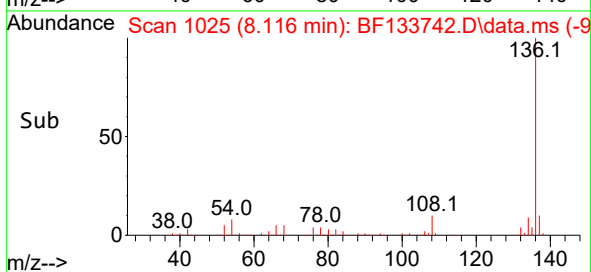
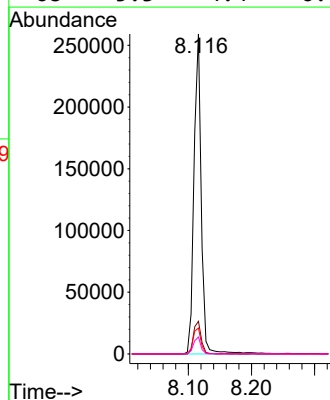
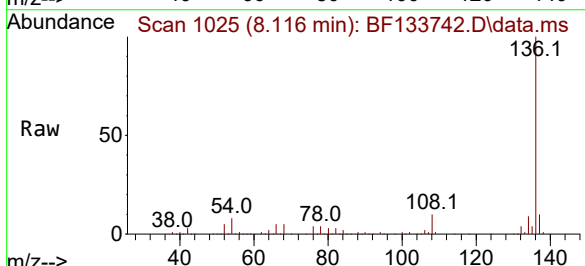
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

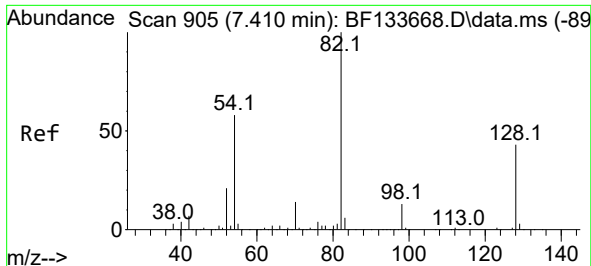
Tgt Ion: 99 Resp: 39350
Ion Ratio Lower Upper
99 100
42 23.2 19.9 29.9
71 36.6 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:136 Resp: 209263
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 8.1 7.4 11.0
68 5.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 5.884 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.017 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL

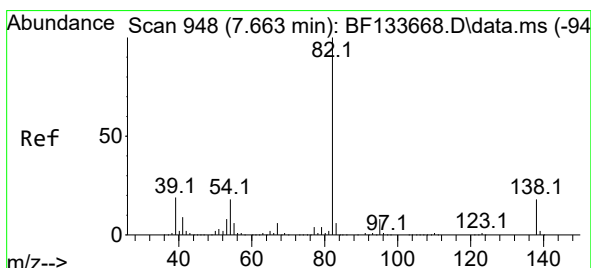
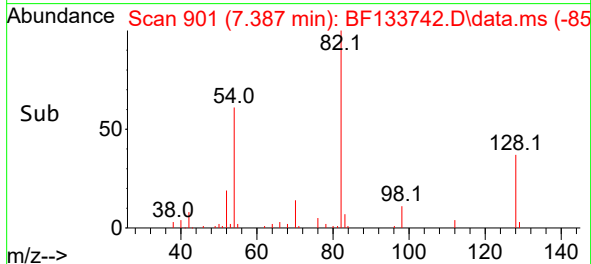
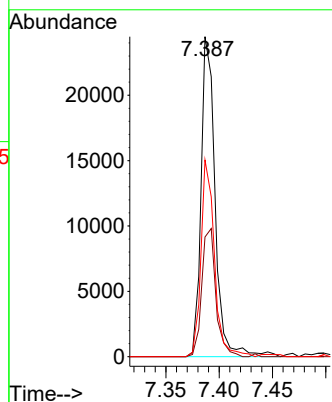
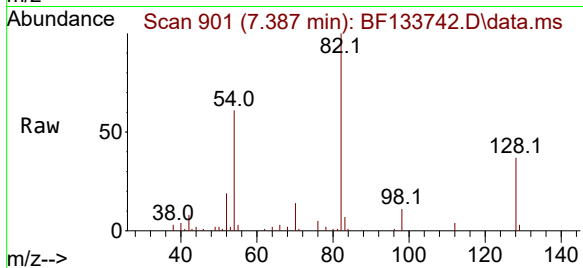
Tgt Ion: 82 Resp: 22607

Ion Ratio Lower Upper

82 100

128 37.4 34.2 51.2

54 61.5 46.5 69.7



#25

Isophorone

Concen: 3.205 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.270 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

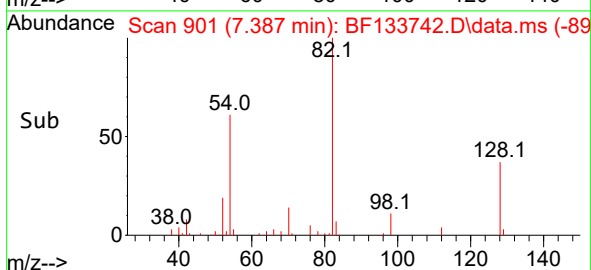
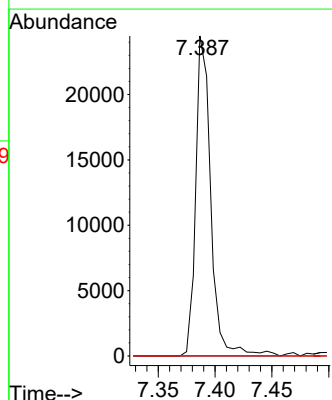
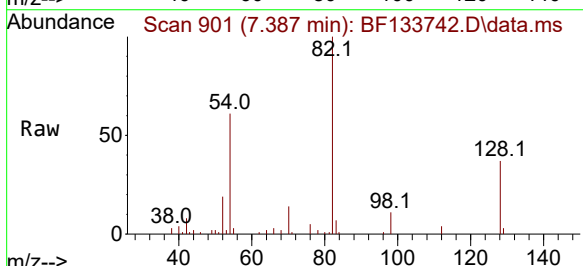
Tgt Ion: 82 Resp: 22607

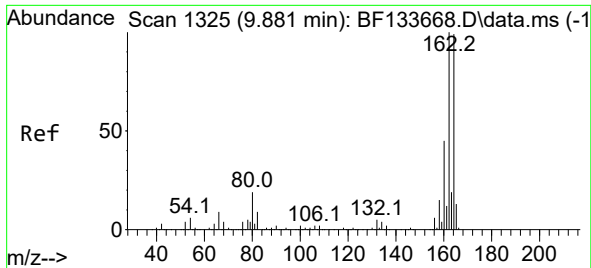
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.2 21.2#

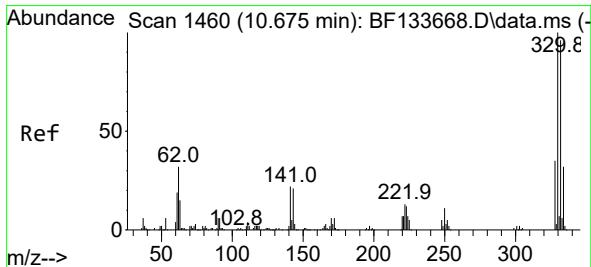
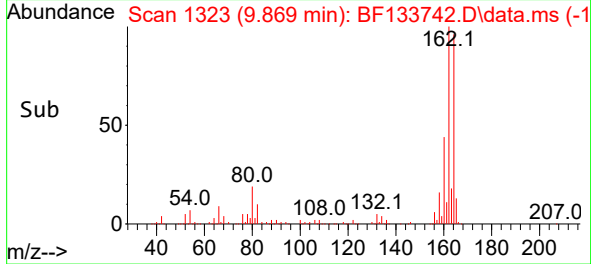
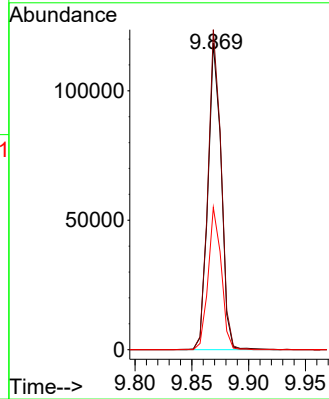
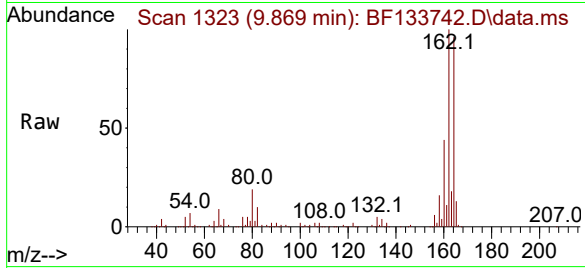




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

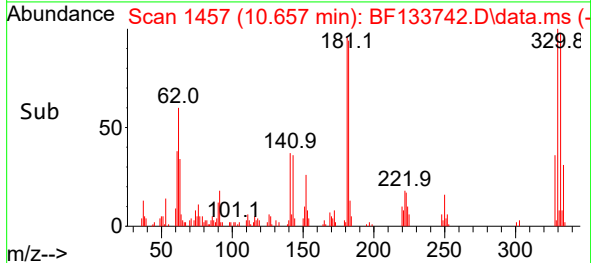
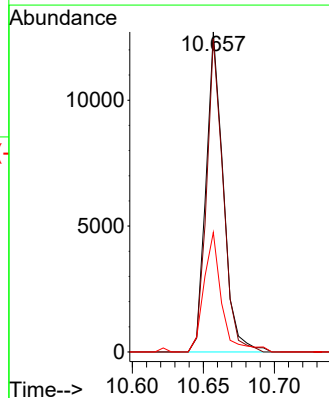
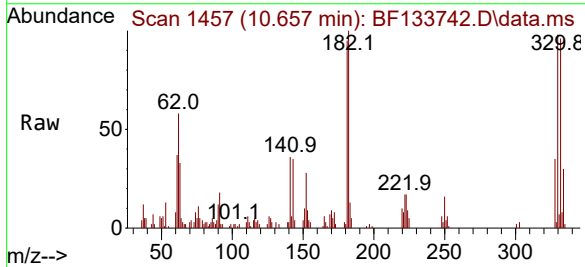
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

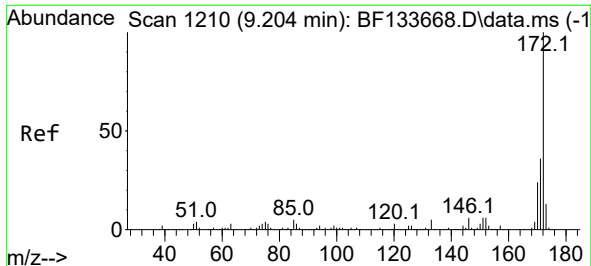
Tgt Ion:164 Resp: 95753
Ion Ratio Lower Upper
164 100
162 104.3 80.8 121.2
160 46.4 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 8.882 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:330 Resp: 10765
Ion Ratio Lower Upper
330 100
332 94.3 77.2 115.8
141 38.3 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 6.628 ng

RT: 9.187 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL

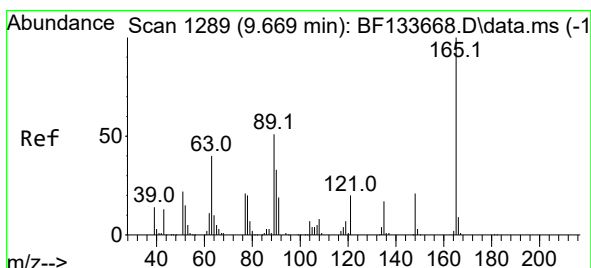
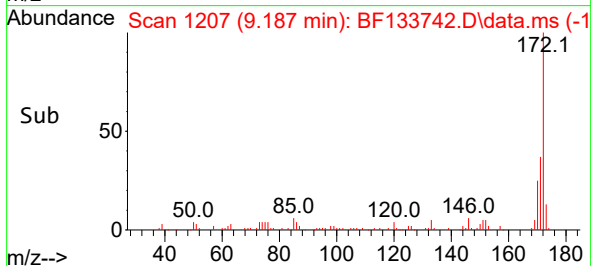
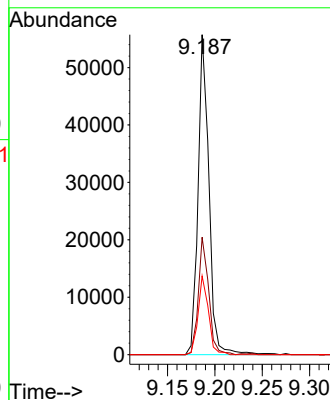
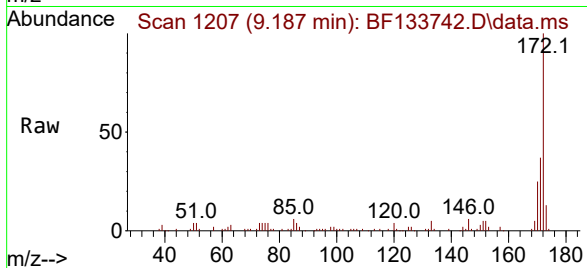
Tgt Ion:172 Resp: 44648

Ion Ratio Lower Upper

172 100

171 36.7 28.6 43.0

170 24.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.831 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

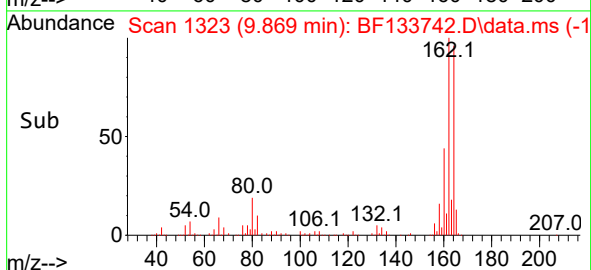
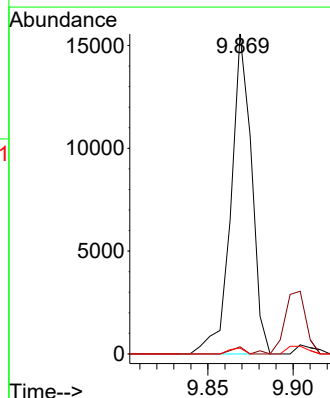
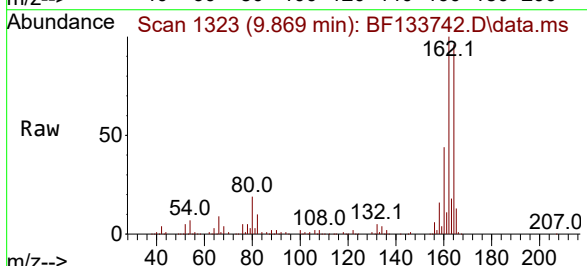
Tgt Ion:165 Resp: 13028

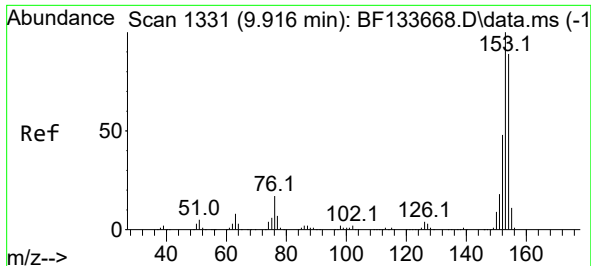
Ion Ratio Lower Upper

165 100

63 2.3 42.1 63.1#

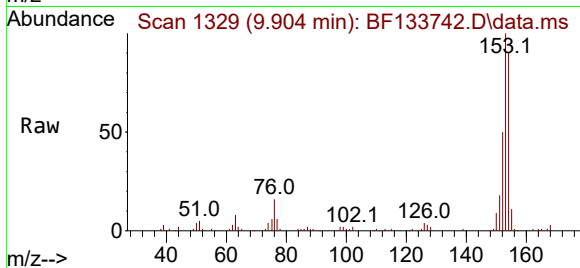
89 1.9 40.9 61.3#



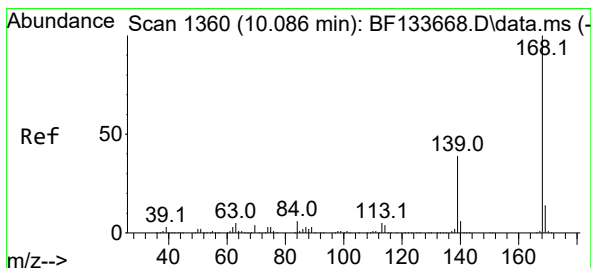
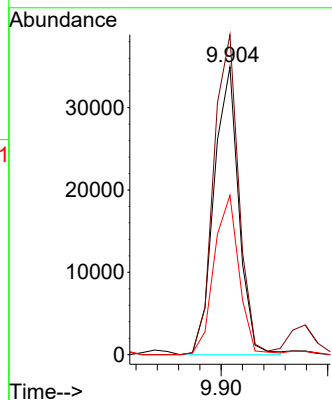
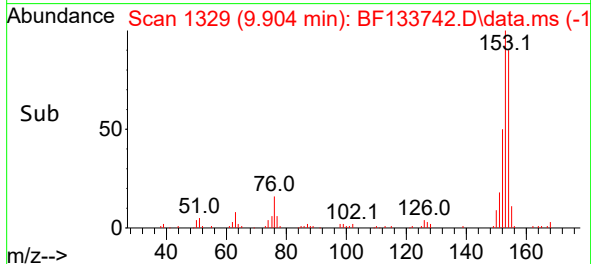


#52
Acenaphthene
Concen: 4.995 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

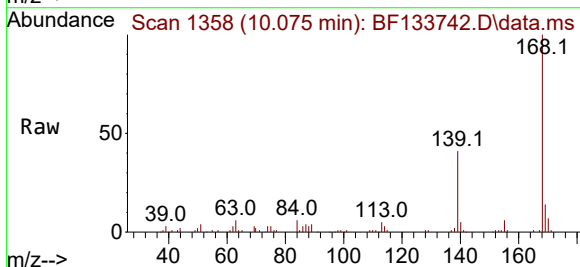
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SB-04-5.0-7.0DL



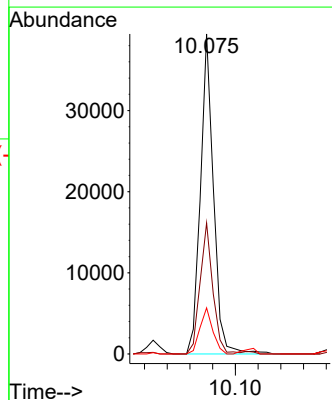
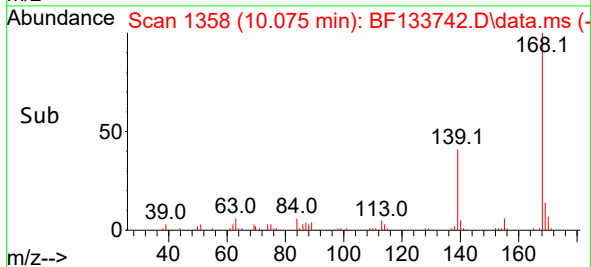
Tgt Ion:154 Resp: 28191
Ion Ratio Lower Upper
154 100
153 111.2 89.8 134.8
152 55.4 43.4 65.2

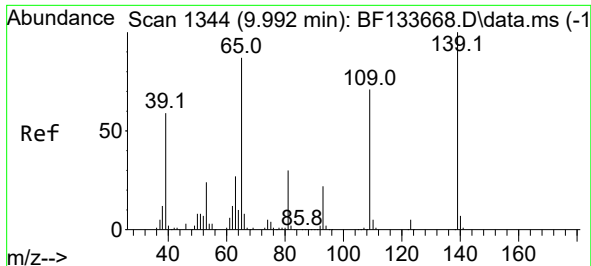


#55
Dibenzofuran
Concen: 3.662 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12



Tgt Ion:168 Resp: 31537
Ion Ratio Lower Upper
168 100
139 40.9 30.9 46.3
169 14.4 10.9 16.3

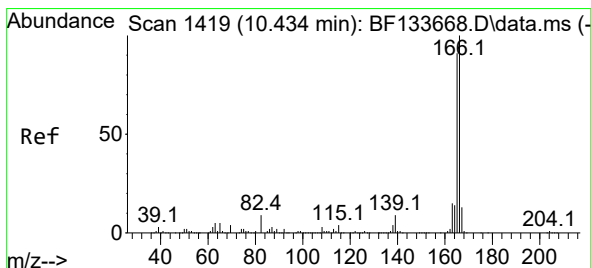
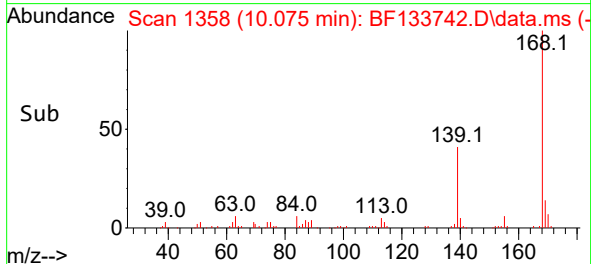
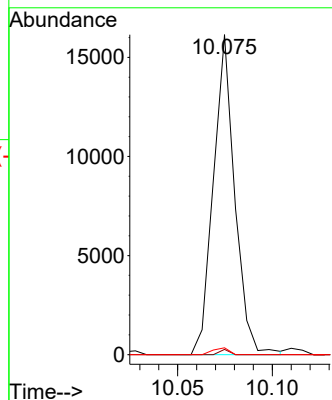
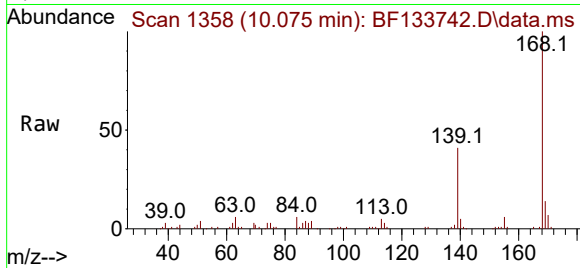




#56
4-Nitrophenol
Concen: 10.465 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

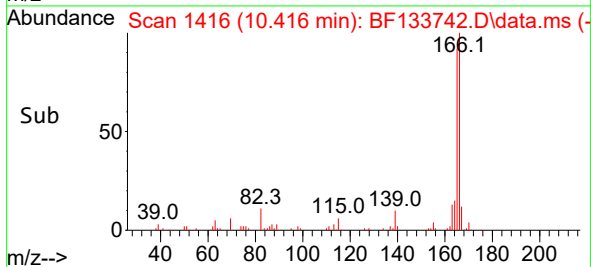
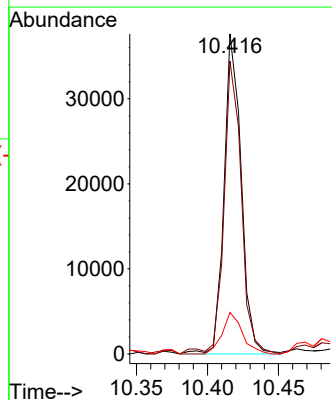
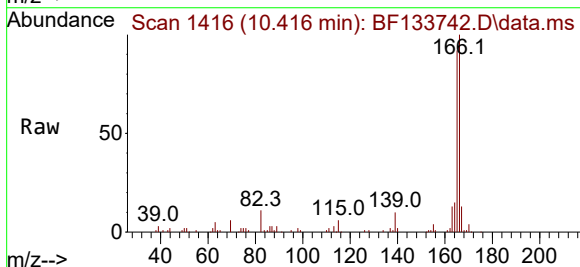
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

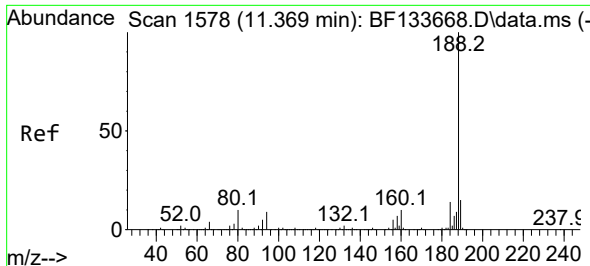
Tgt Ion:139 Resp: 12679
Ion Ratio Lower Upper
139 100
109 1.6 50.7 90.7#
65 2.1 67.1 107.1#



#58
Fluorene
Concen: 4.780 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:166 Resp: 31478
Ion Ratio Lower Upper
166 100
165 91.5 73.1 109.7
167 13.0 10.5 15.7

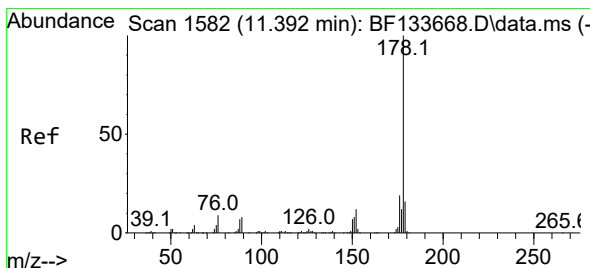
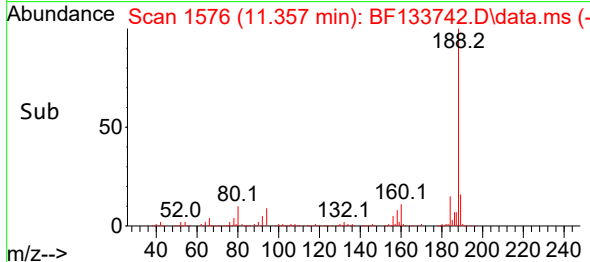
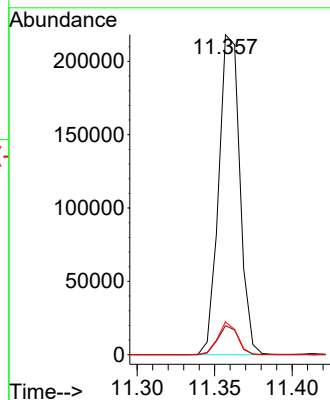
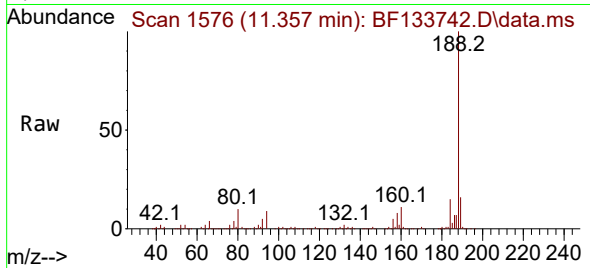




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

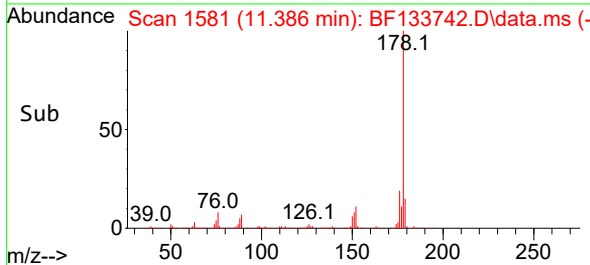
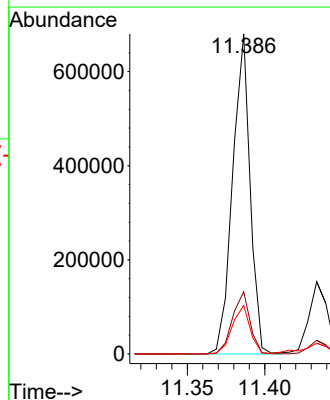
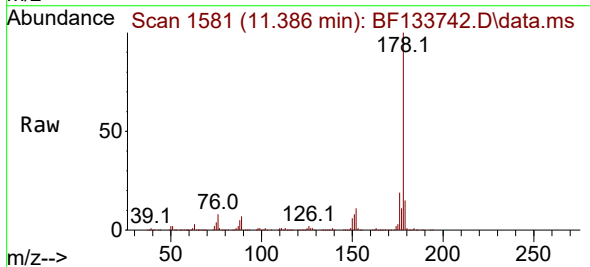
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

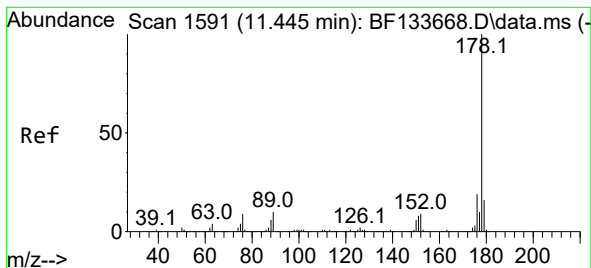
Tgt Ion:188 Resp: 207261
Ion Ratio Lower Upper
188 100
94 9.1 6.8 10.2
80 10.2 7.8 11.6



#71
Phenanthrene
Concen: 50.653 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:178 Resp: 532637
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.2 12.4 18.6





#72

Anthracene

Concen: 11.286 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

Instrument :

BNA_F

ClientSampleId :

SB-04-5.0-7.0DL

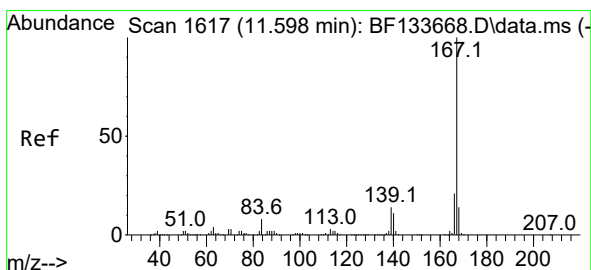
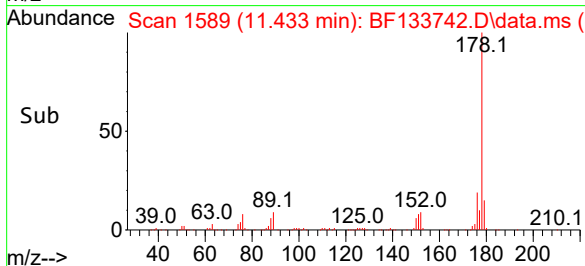
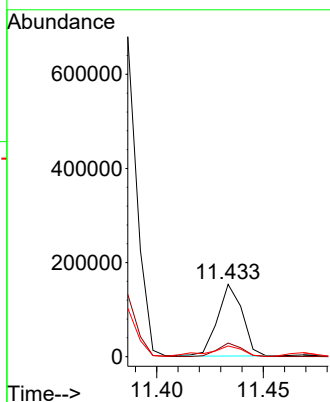
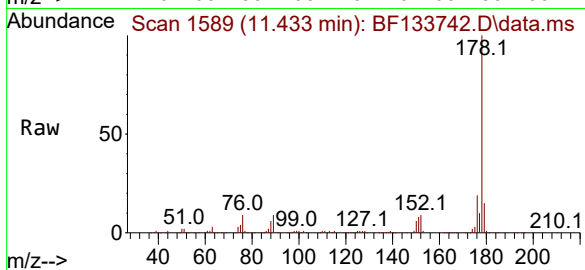
Tgt Ion:178 Resp: 123739

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 14.8 12.6 18.8



#73

Carbazole

Concen: 4.060 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.012 min

Lab File: BF133742.D

Acq: 13 Jun 2023 21:12

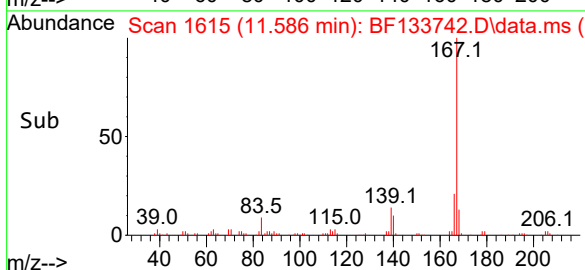
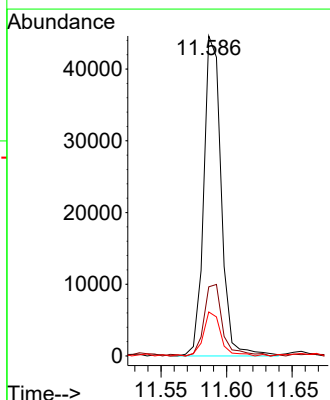
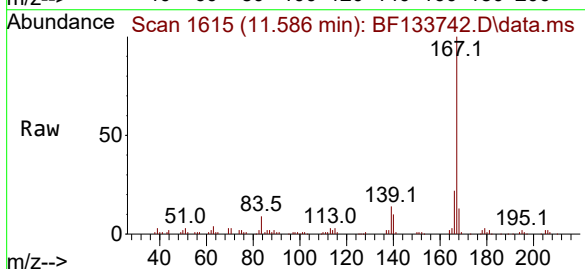
Tgt Ion:167 Resp: 41458

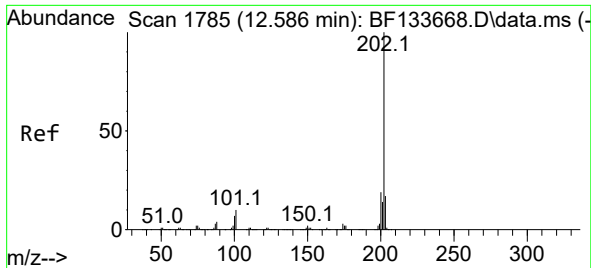
Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 13.7 11.2 16.8

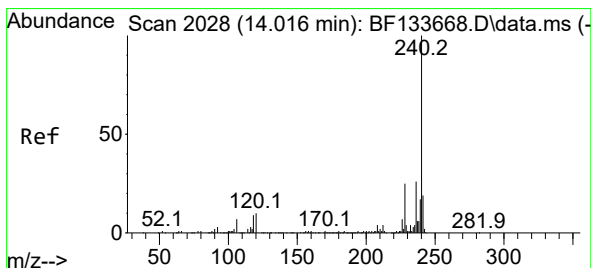
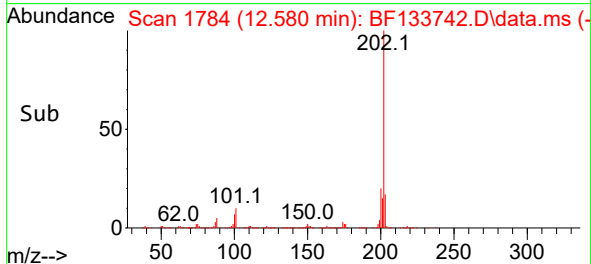
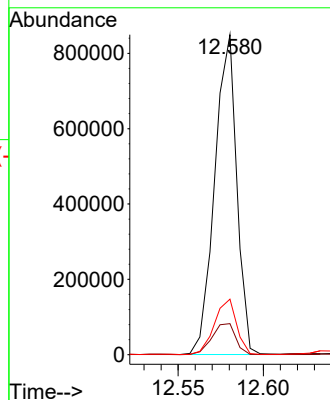
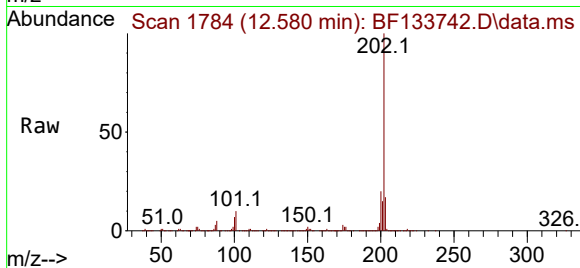




#75
Fluoranthene
Concen: 68.481 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

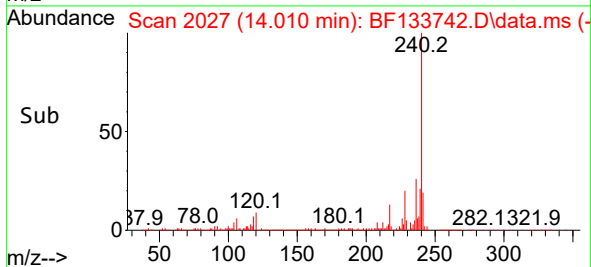
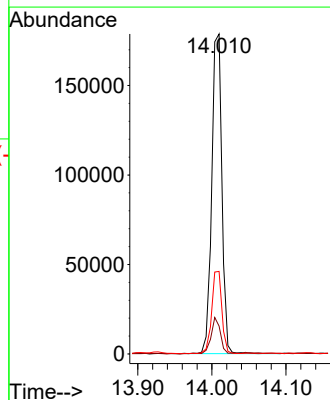
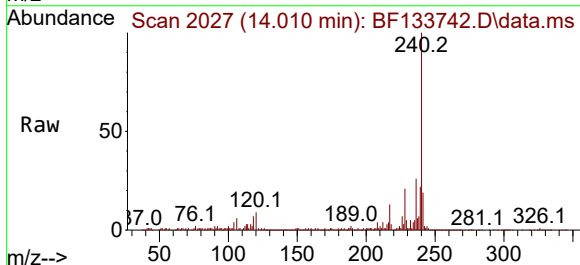
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

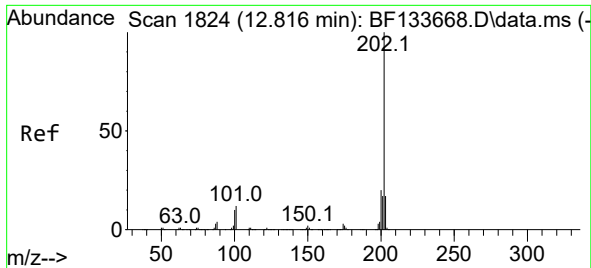
Tgt Ion:202 Resp: 764696
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.6
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:240 Resp: 170455
Ion Ratio Lower Upper
240 100
120 8.7 8.1 12.1
236 25.8 20.5 30.7

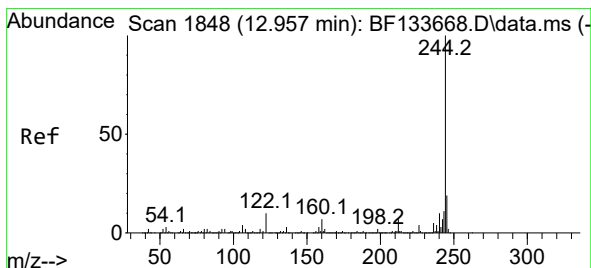
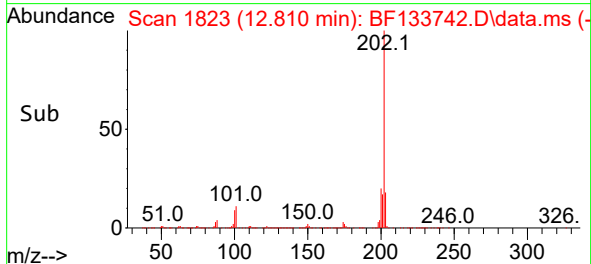
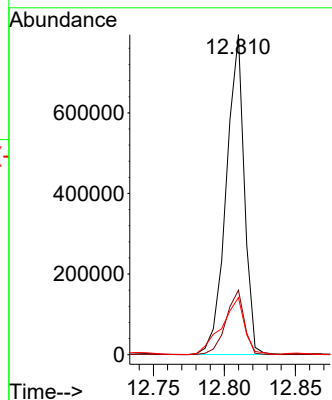
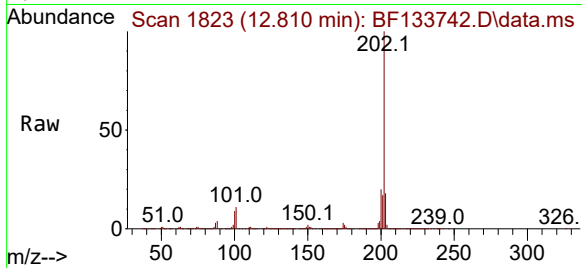




#78
Pyrene
Concen: 44.155 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

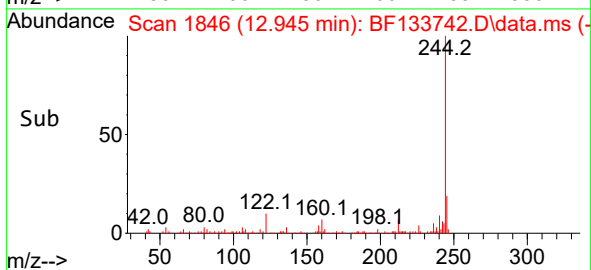
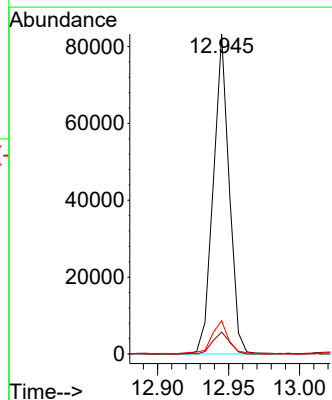
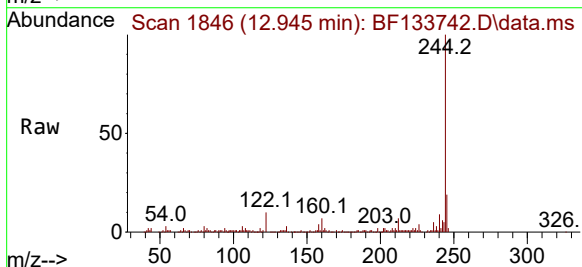
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

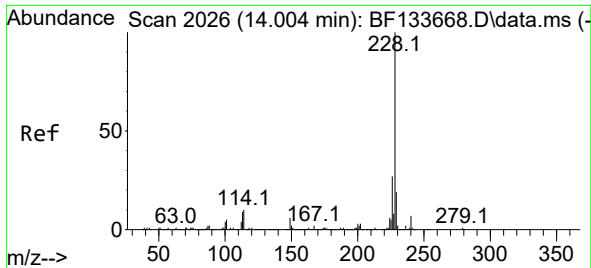
Tgt Ion:202 Resp: 701117
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 17.8 13.9 20.9



#79
Terphenyl-d14
Concen: 5.891 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:244 Resp: 64893
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.4 8.1 12.1

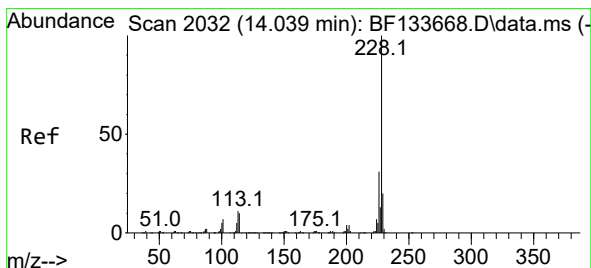
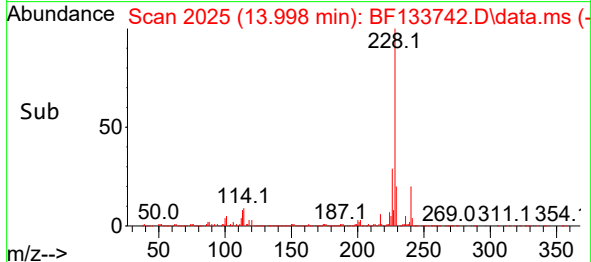
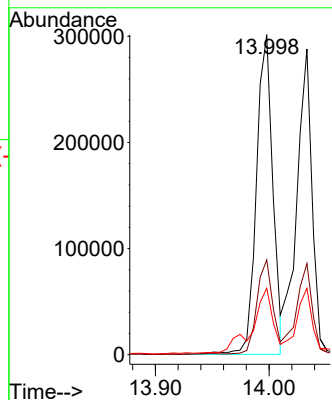
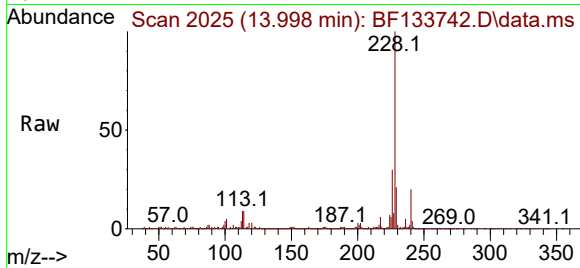




#81
Benzo(a)anthracene
Concen: 25.643 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

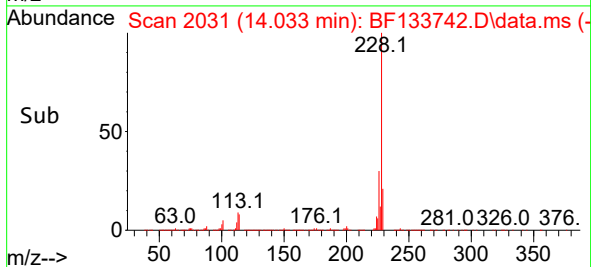
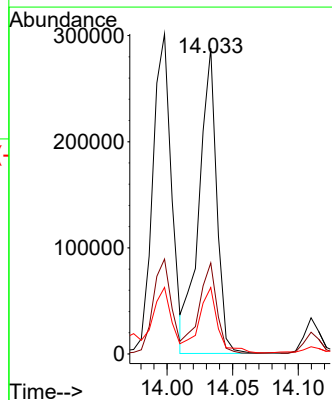
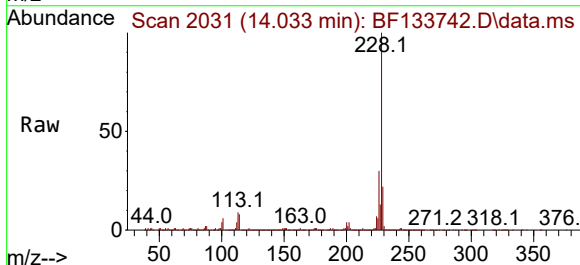
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

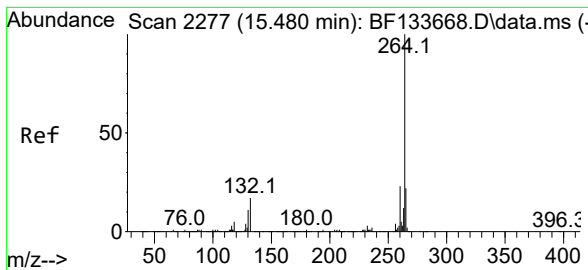
Tgt Ion:228 Resp: 302343
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 20.8 15.4 23.2



#83
Chrysene
Concen: 24.268 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:228 Resp: 270629
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 21.7 15.8 23.8

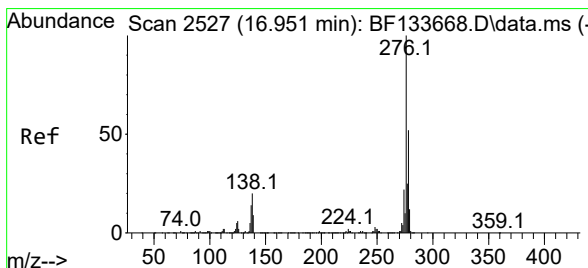
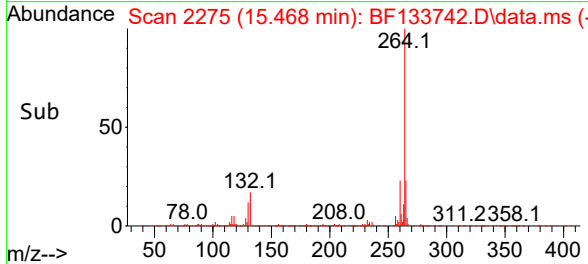
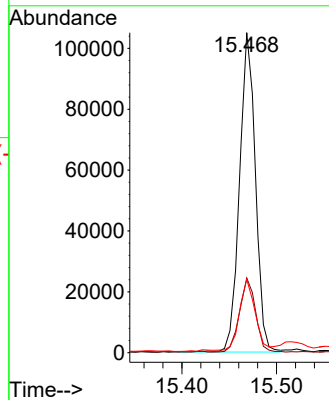
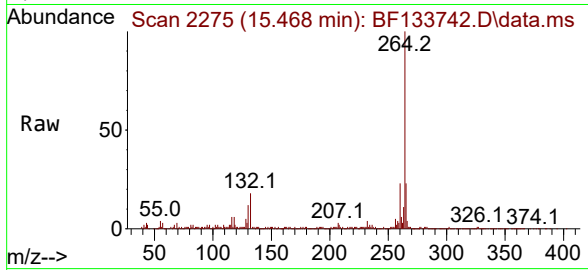




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

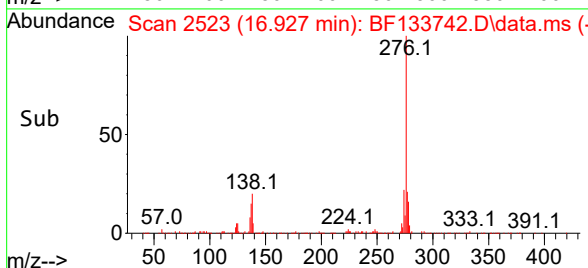
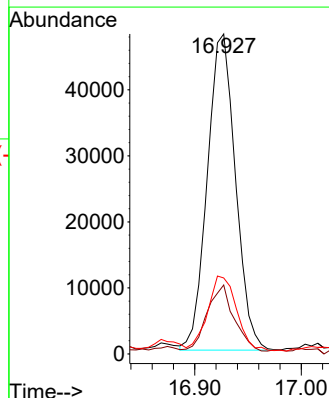
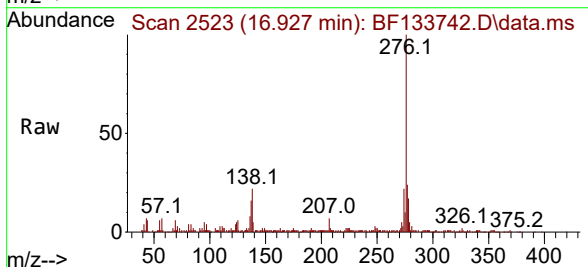
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-5.0-7.0DL

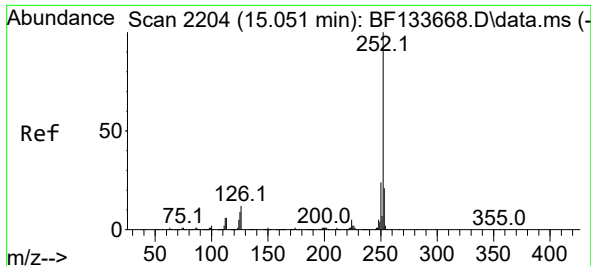
Tgt Ion:264 Resp: 121788
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 22.9 17.8 26.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.518 ng
 RT: 16.927 min Scan# 2523
 Delta R.T. -0.029 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

Tgt Ion:276 Resp: 88130
 Ion Ratio Lower Upper
 276 100
 138 20.4 17.9 26.9
 277 23.9 20.3 30.5

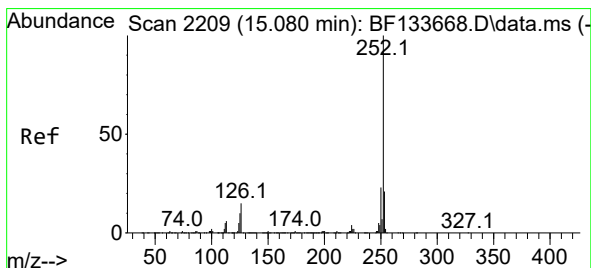
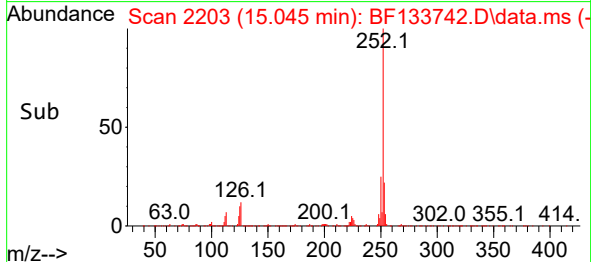
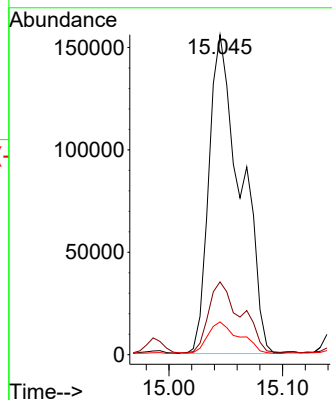
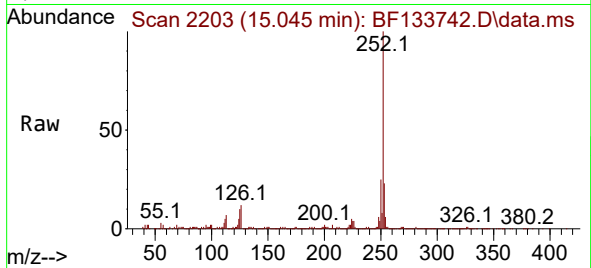




#88
Benzo(b)fluoranthene
Concen: 40.993 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

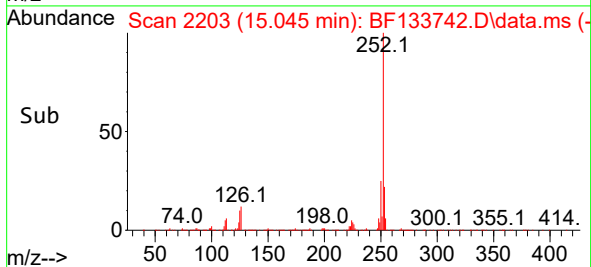
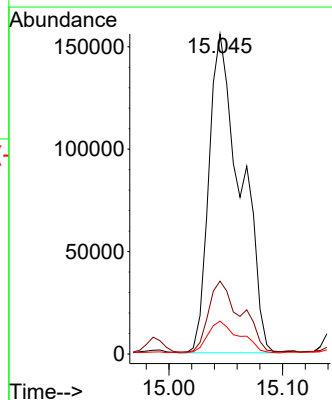
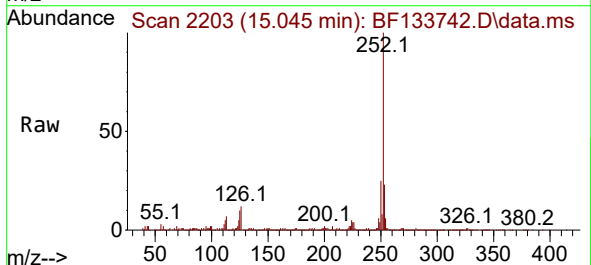
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

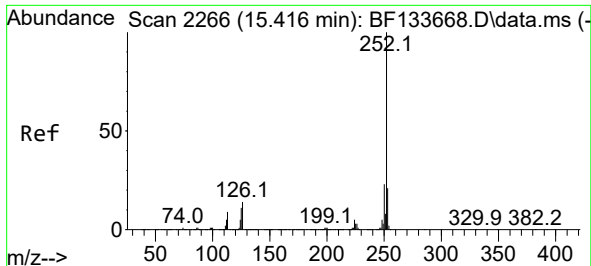
Tgt Ion:252 Resp: 303273
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.3 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 42.083 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.041 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

Tgt Ion:252 Resp: 303273
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 10.3 7.8 11.6

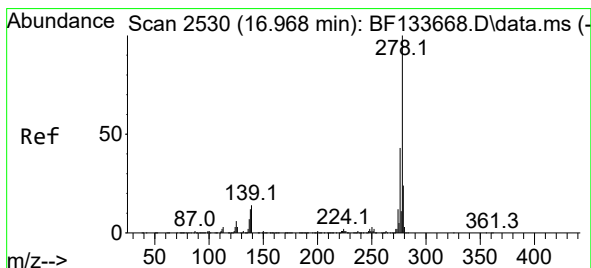
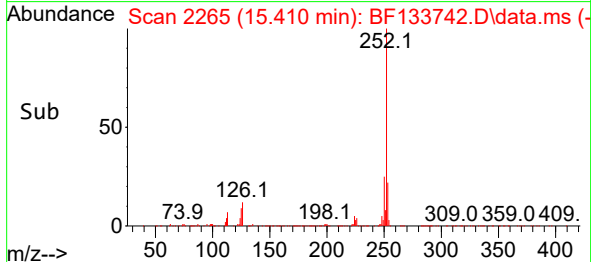
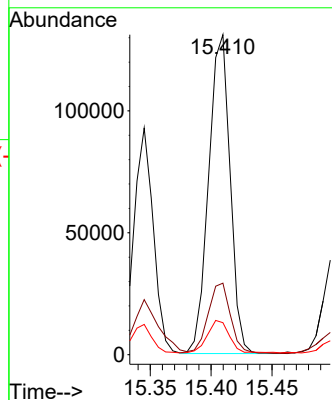
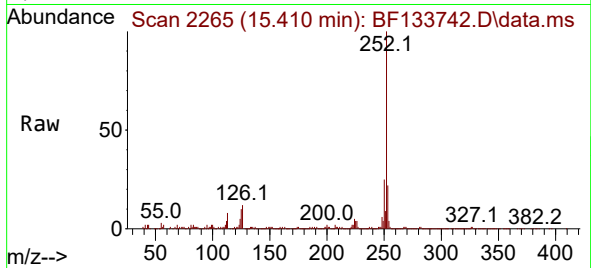




#90
Benzo(a)pyrene
Concen: 23.383 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

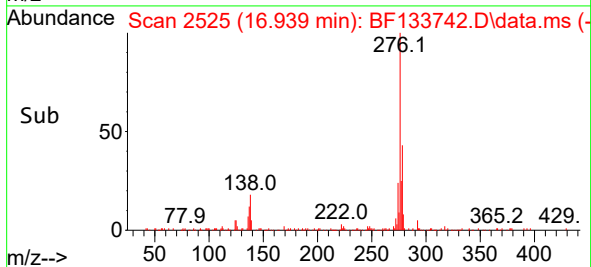
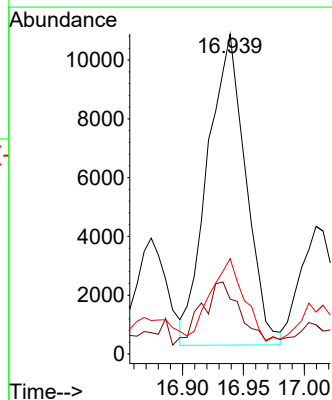
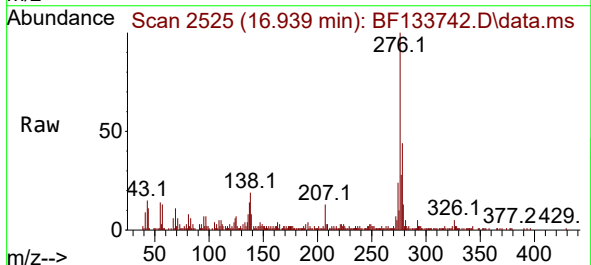
Instrument :
BNA_F
ClientSampleId :
SB-04-5.0-7.0DL

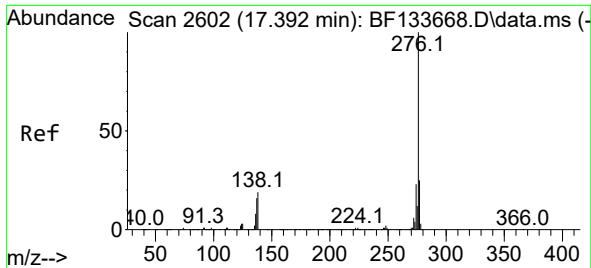
Tgt Ion:252 Resp: 160547
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 10.0 8.6 13.0



#91
Dibenzo(a,h)anthracene
Concen: 3.338 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.035 min
Lab File: BF133742.D
Acq: 13 Jun 2023 21:12

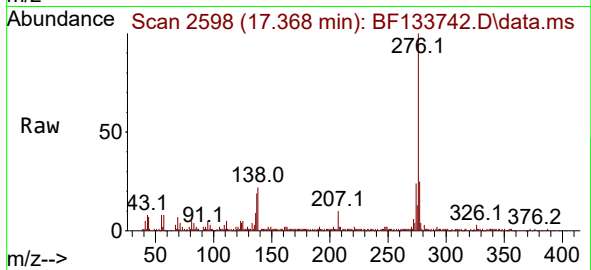
Tgt Ion:278 Resp: 23154
Ion Ratio Lower Upper
278 100
139 17.1 11.4 17.2
279 29.8 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 12.201 ng
 RT: 17.368 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF133742.D
 Acq: 13 Jun 2023 21:12

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-5.0-7.0DL



Tgt Ion:276 Resp: 83910
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.8 29.8
 138 21.8 15.0 22.4

