

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133729.D
 Acq On : 13 Jun 2023 14:13
 Operator : CG\JU
 Sample : 03093-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-06072023

Quant Time: Jun 13 14:34:51 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)

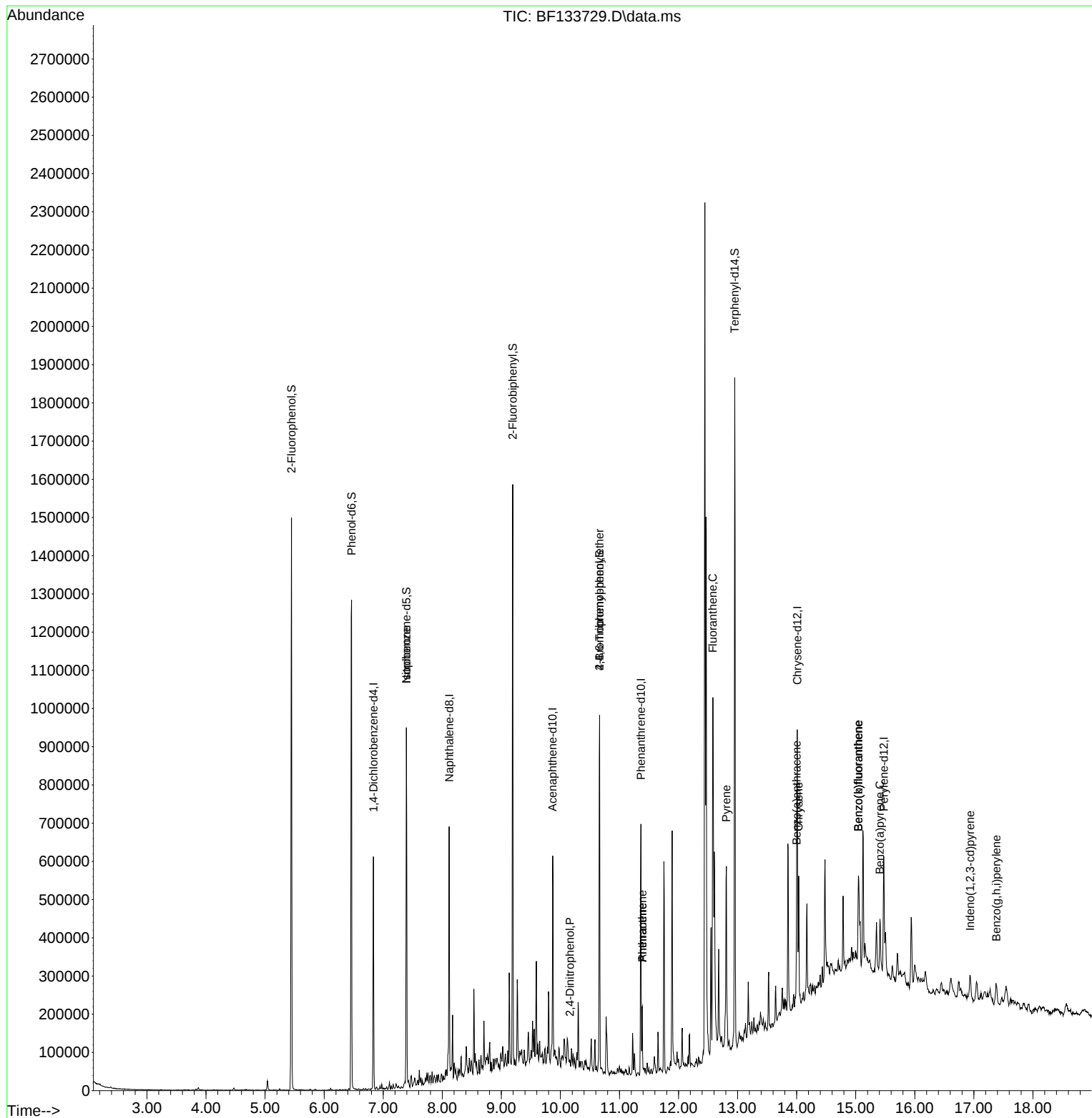
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	76160	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	234123	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	100744	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	217914	20.000	ng	0.00
76) Chrysene-d12	14.010	240	197443	20.000	ng	0.00
86) Perylene-d12	15.474	264	139333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	346302	79.159	ng	0.00
7) Phenol-d6	6.463	99	378759	66.514	ng	0.00
23) Nitrobenzene-d5	7.393	82	251579	58.528	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	99723	78.199	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	403512	56.936	ng	0.00
79) Terphenyl-d14	12.951	244	577707	45.274	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.393	82	251579	31.880	ng	# 65
54) 2,4-Dinitrophenol	10.163	184	380	6.182	ng	# 38
67) 4-Bromophenyl-phenylether	10.663	248	6605	2.716	ng	# 1
71) Phenanthrene	11.386	178	61071	5.524	ng	99
72) Anthracene	11.386	178	61071	5.298	ng	100
75) Fluoranthene	12.580	202	247617	21.091	ng	99
78) Pyrene	12.810	202	202942	11.034	ng	99
81) Benzo(a)anthracene	13.998	228	72402	5.301	ng	93
83) Chrysene	14.033	228	117276	9.079	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	47702	4.976	ng	94
88) Benzo(b)fluoranthene	15.045	252	172508	20.382	ng	# 96
89) Benzo(k)fluoranthene	15.045	252	172508	20.923	ng	# 96
90) Benzo(a)pyrene	15.410	252	58249	7.415	ng	# 96
92) Benzo(g,h,i)perylene	17.380	276	44767	5.690	ng	98

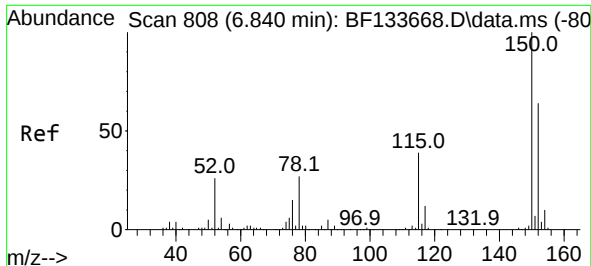
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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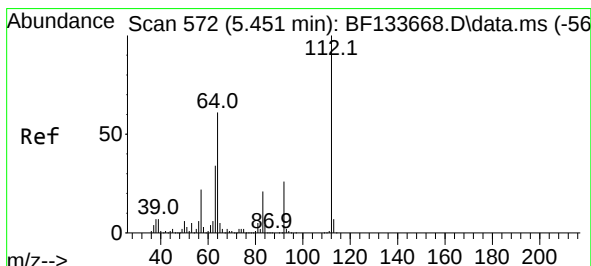
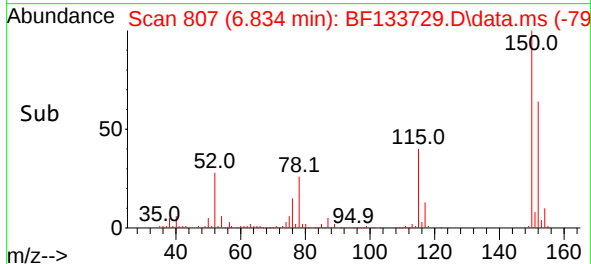
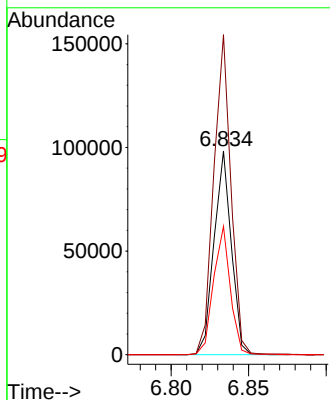
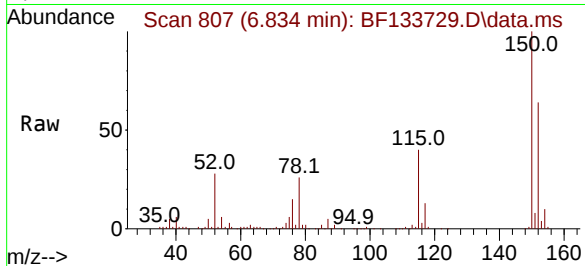




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

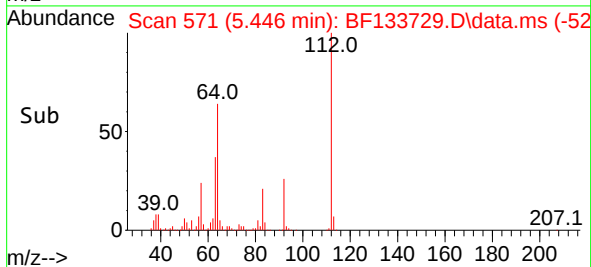
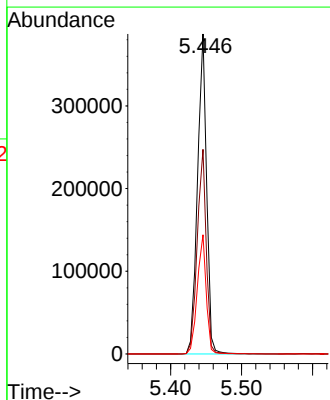
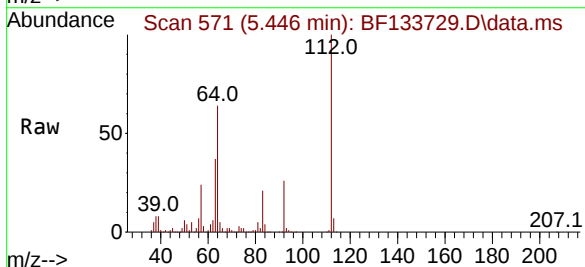
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

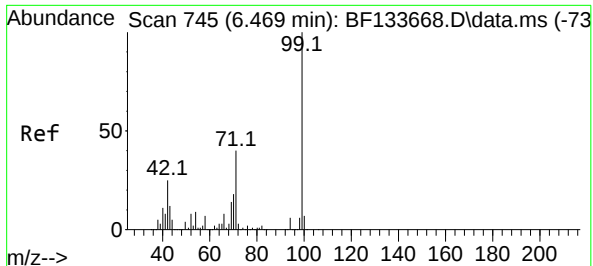
Tgt Ion:152 Resp: 76160
Ion Ratio Lower Upper
152 100
150 157.1 124.3 186.5
115 63.0 48.5 72.7



#5
2-Fluorophenol
Concen: 79.159 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

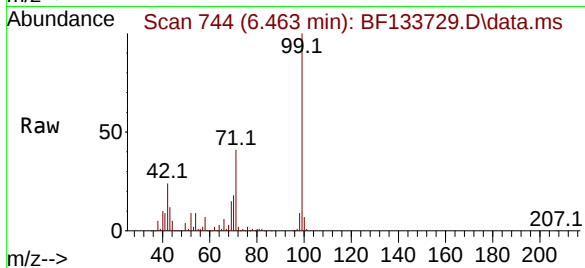
Tgt Ion:112 Resp: 346302
Ion Ratio Lower Upper
112 100
64 63.9 49.0 73.4
63 37.3 26.8 40.2



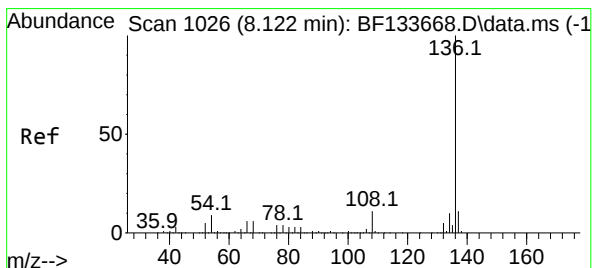
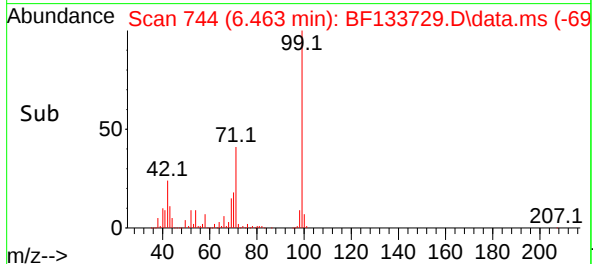
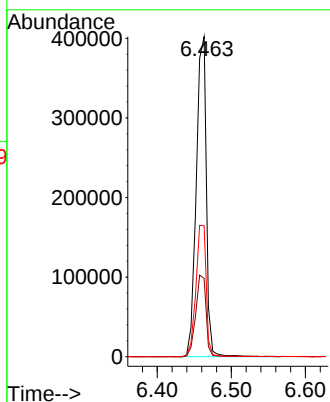


#7
Phenol-d6
Concen: 66.514 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

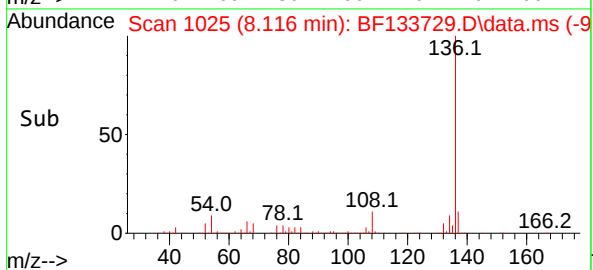
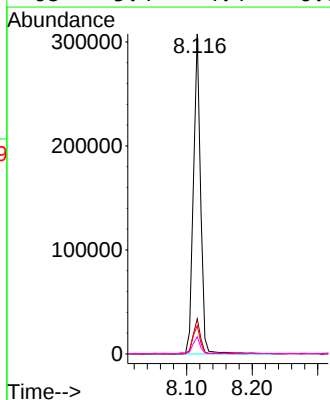
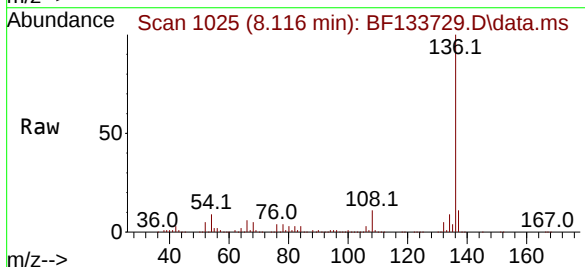


Tgt Ion: 99 Resp: 378759
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 40.9 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion: 136 Resp: 234123
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.8 7.4 11.0
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 58.528 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

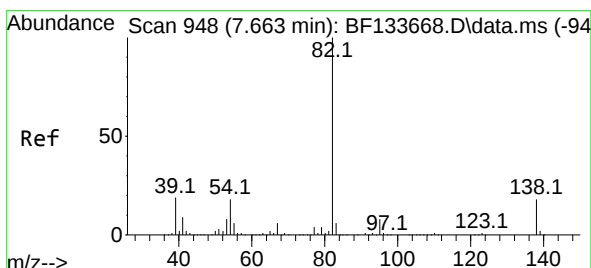
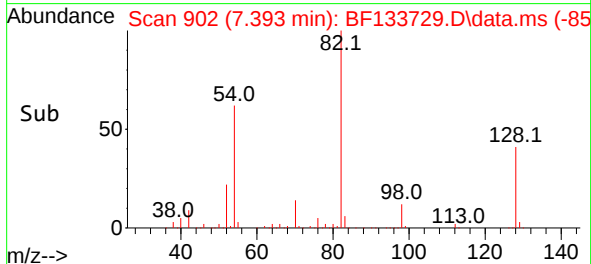
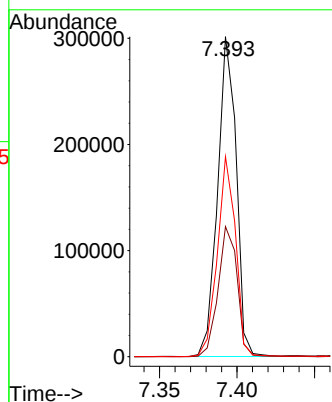
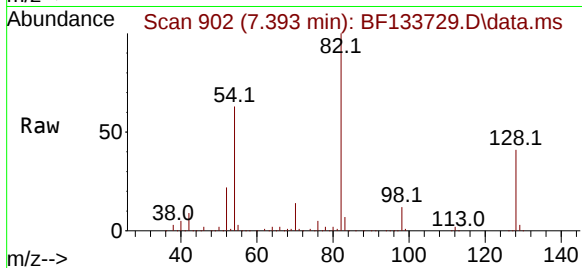
Tgt Ion: 82 Resp: 251579

Ion Ratio Lower Upper

82 100

128 40.6 34.2 51.2

54 62.5 46.5 69.7



#25

Isophorone

Concen: 31.880 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.264 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

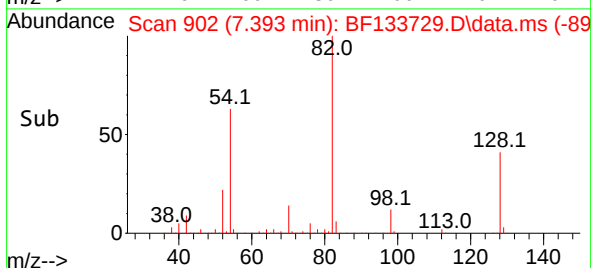
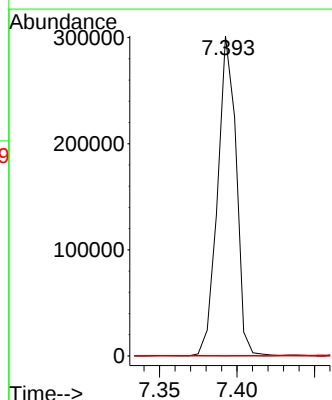
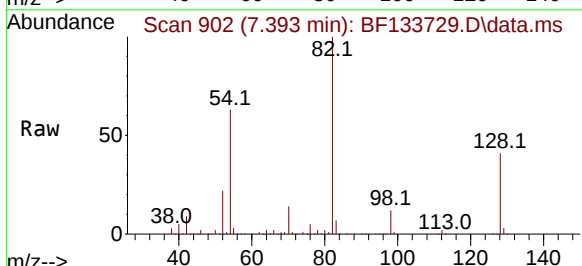
Tgt Ion: 82 Resp: 251579

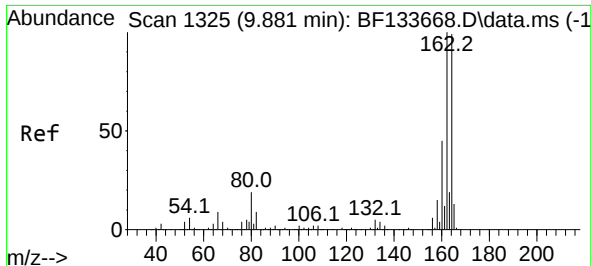
Ion Ratio Lower Upper

82 100

95 0.1 6.0 9.0#

138 0.0 14.2 21.2#

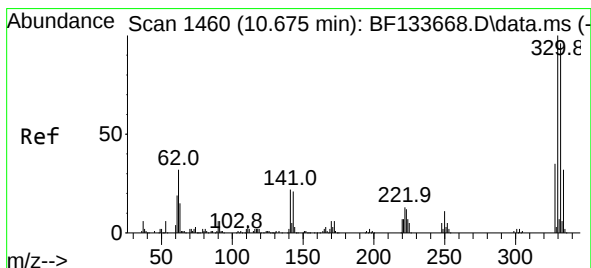
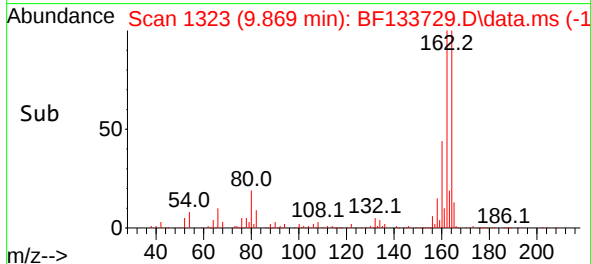
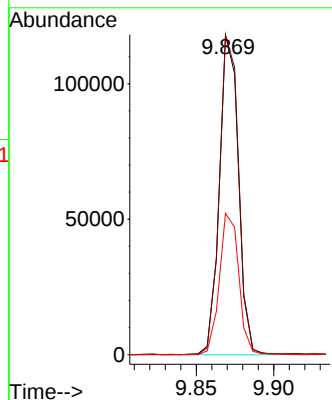
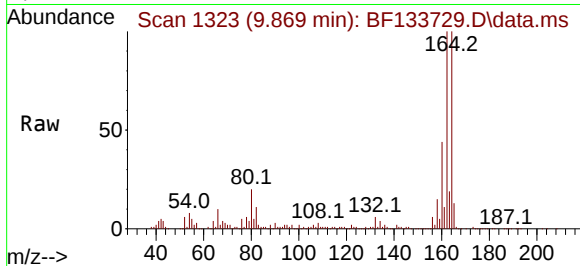




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

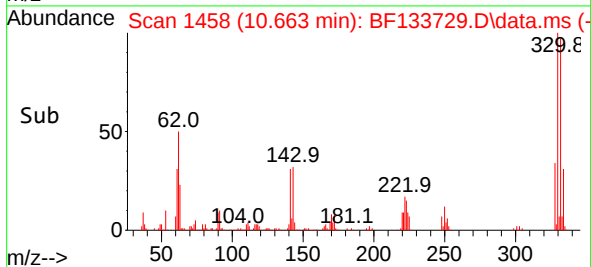
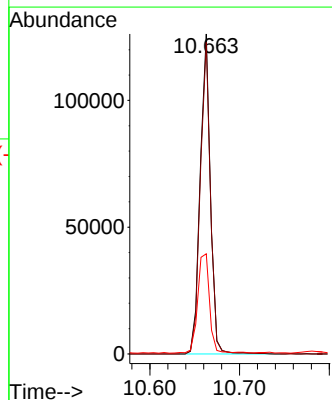
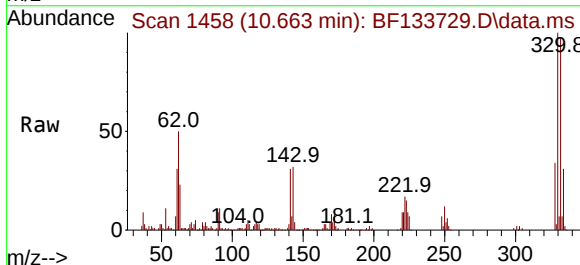
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

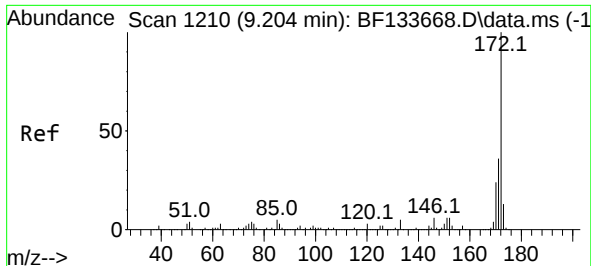
Tgt Ion:164 Resp: 100744
Ion Ratio Lower Upper
164 100
162 99.6 80.8 121.2
160 44.1 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 78.199 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:330 Resp: 99723
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 35.9 24.9 37.3

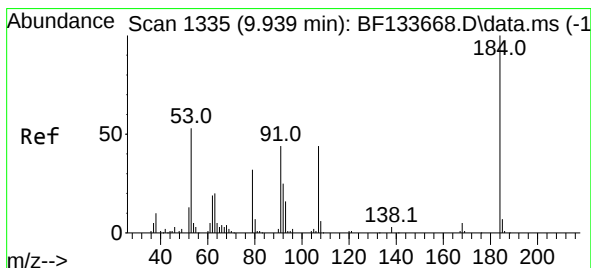
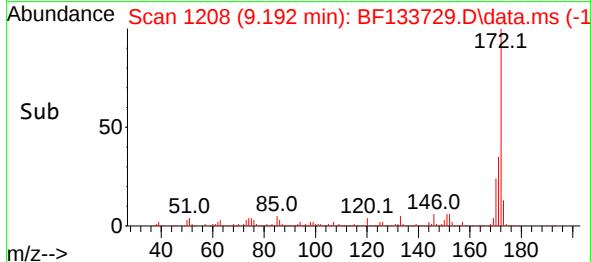
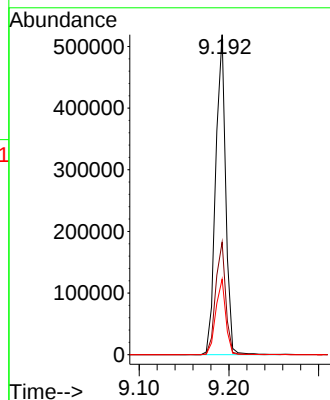
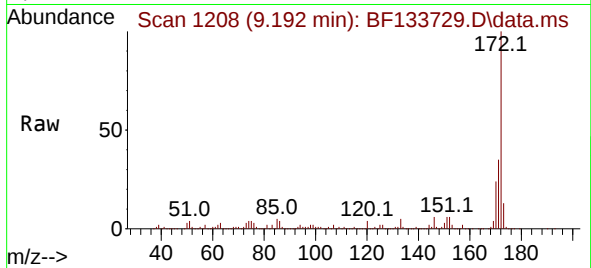




#45
2-Fluorobiphenyl
Concen: 56.936 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

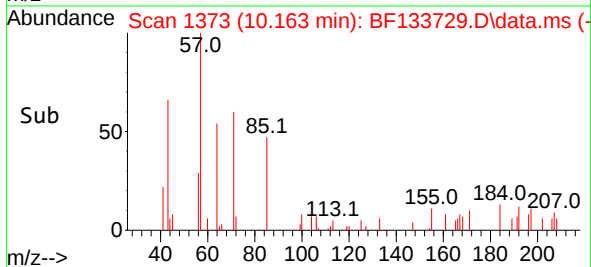
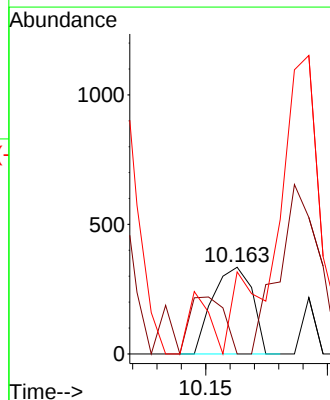
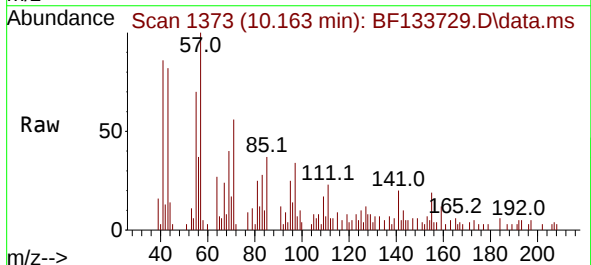
Instrument :
BNA_F
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SU-3-06072023

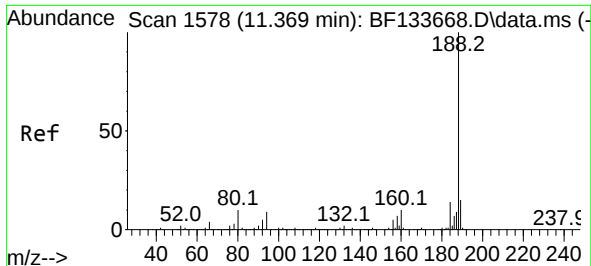
Tgt Ion:172 Resp: 403512
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.6 19.1 28.7



#54
2,4-Dinitrophenol
Concen: 6.182 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.224 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:184 Resp: 380
Ion Ratio Lower Upper
184 100
63 0.0 55.3 82.9#
154 94.6 51.9 77.9#

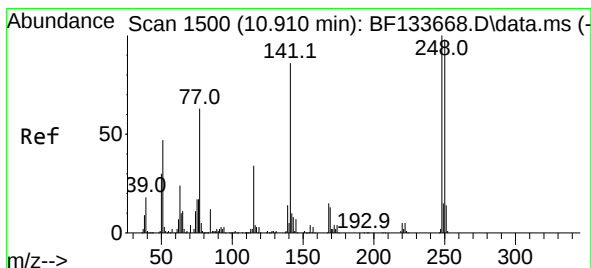
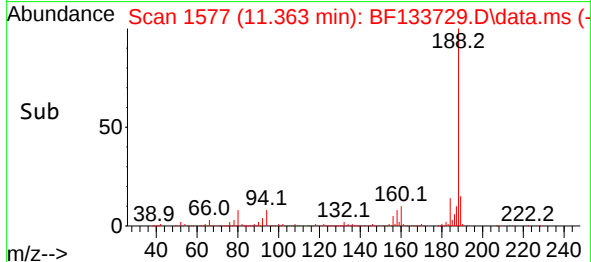
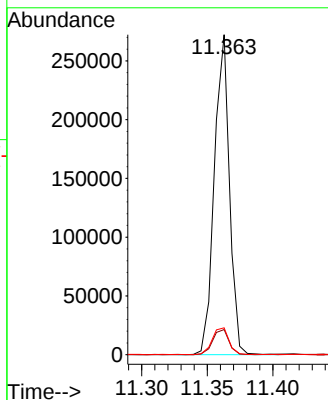
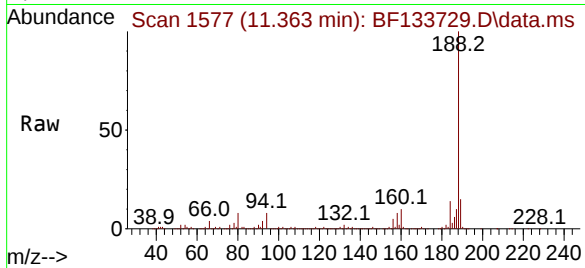




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

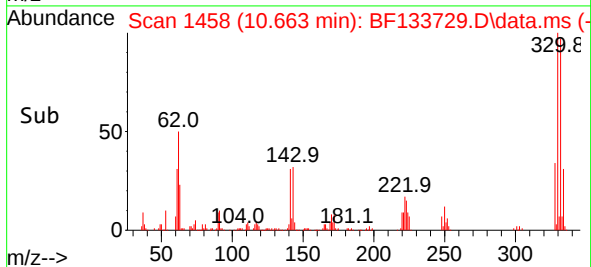
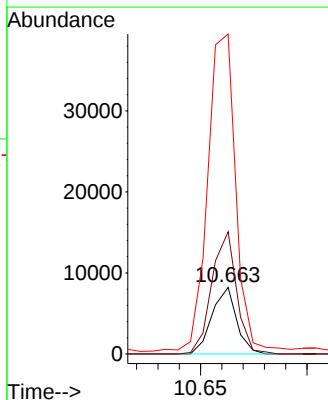
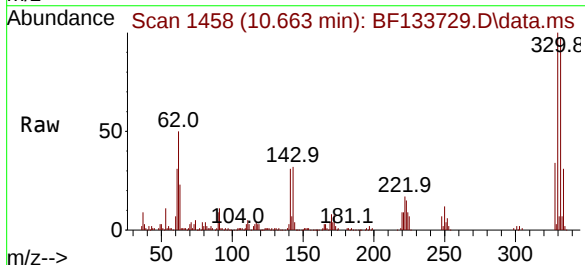
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ClientSampleId :
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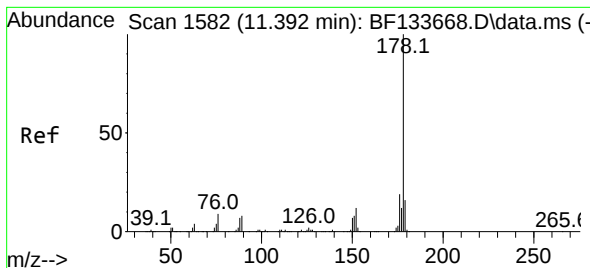
Tgt Ion:188 Resp: 217914
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.4 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 2.716 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:248 Resp: 6605
Ion Ratio Lower Upper
248 100
250 183.6 78.3 117.5#
141 480.4 69.0 103.6#





#71

Phenanthrene

Concen: 5.524 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

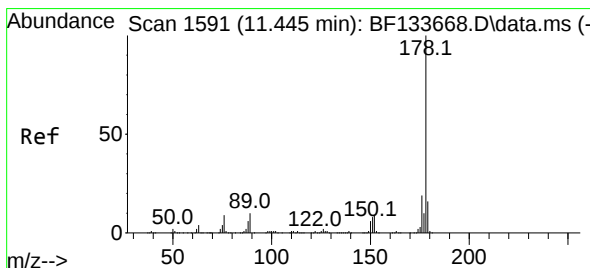
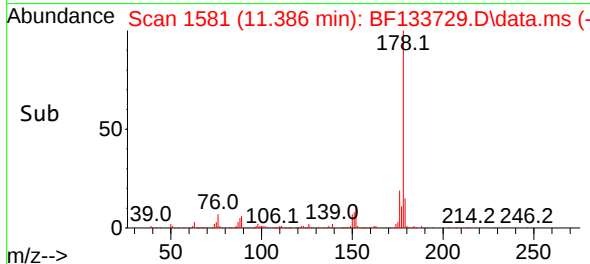
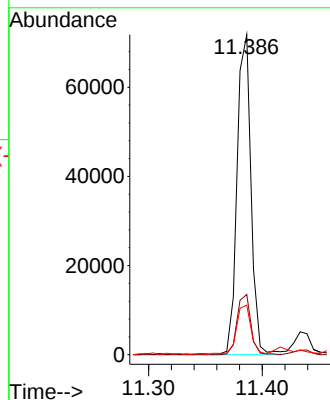
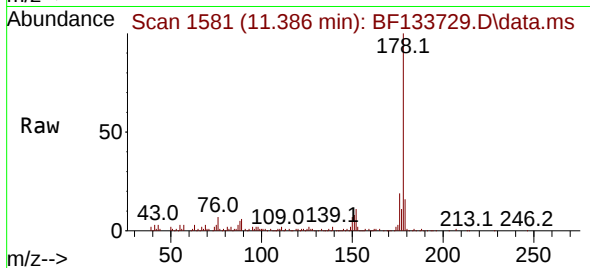
Tgt Ion:178 Resp: 61071

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.5 12.4 18.6



#72

Anthracene

Concen: 5.298 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.059 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

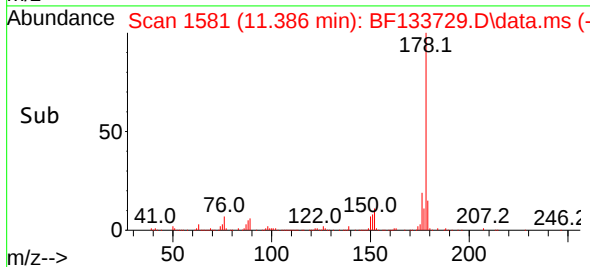
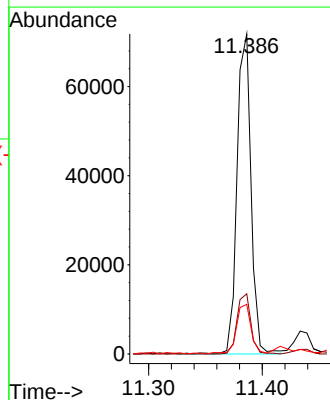
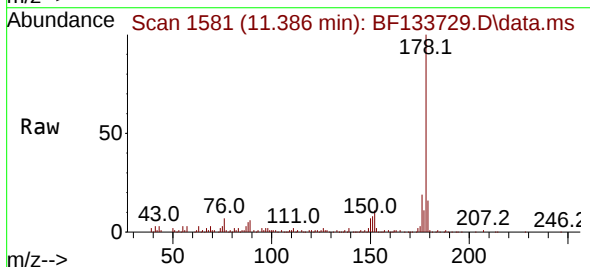
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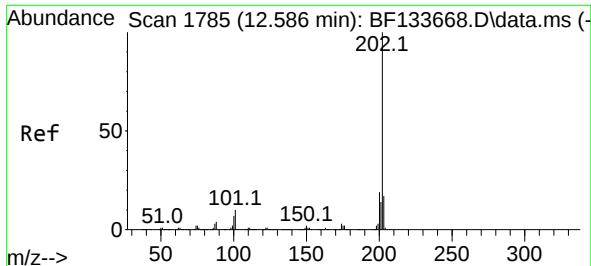
Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.5 12.6 18.8

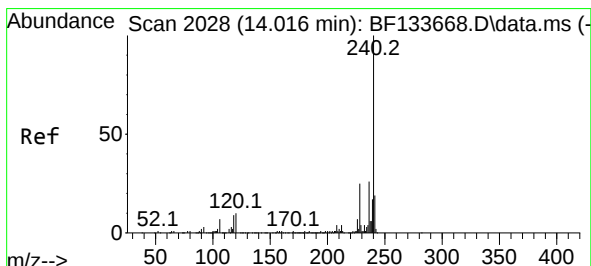
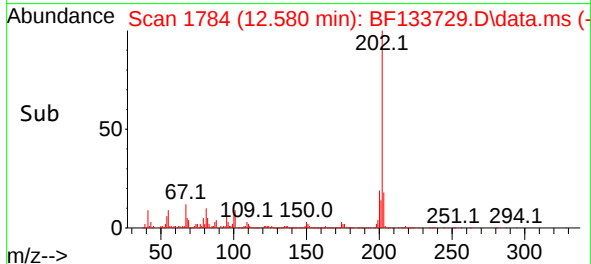
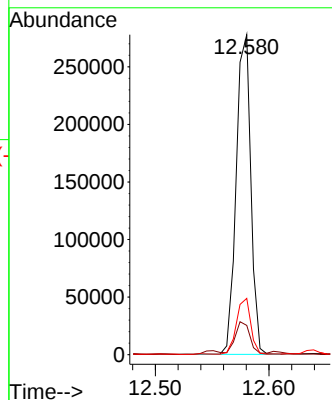
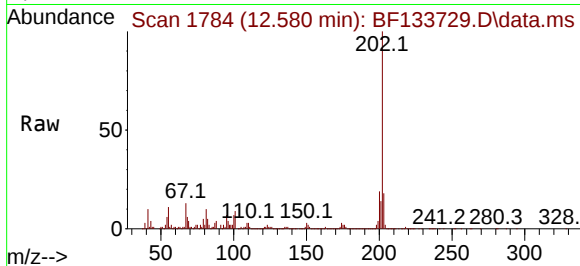




#75
Fluoranthene
Concen: 21.091 ng
RT: 12.580 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

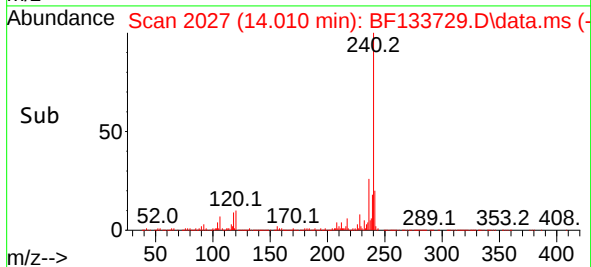
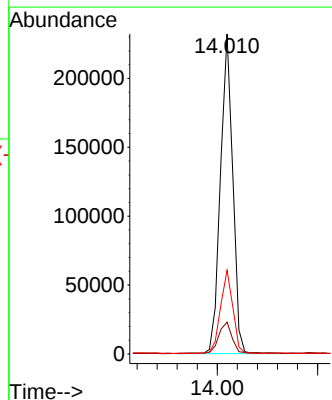
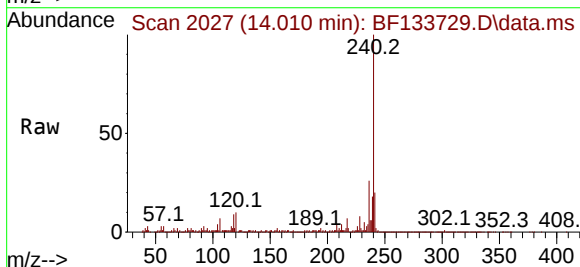
Instrument :
BNA_F
ClientSampleId :
SU-3-06072023

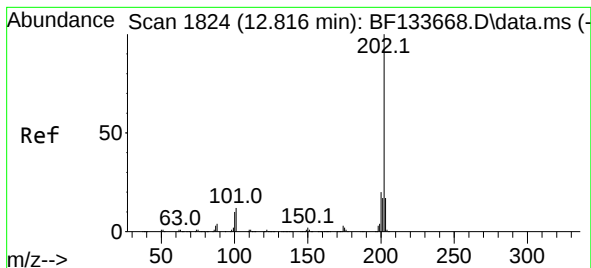
Tgt Ion:202 Resp: 247617
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133729.D
Acq: 13 Jun 2023 14:13

Tgt Ion:240 Resp: 197443
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.1 20.5 30.7





#78

Pyrene

Concen: 11.034 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

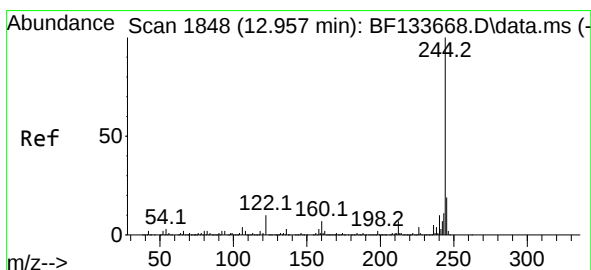
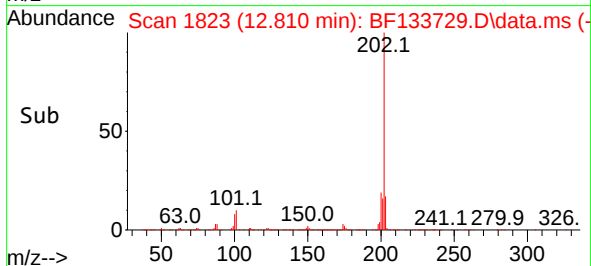
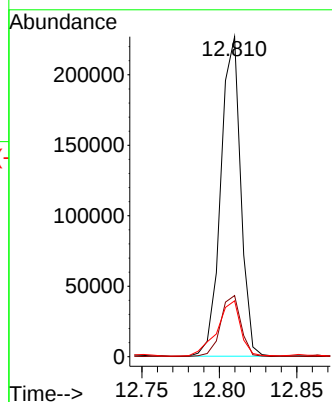
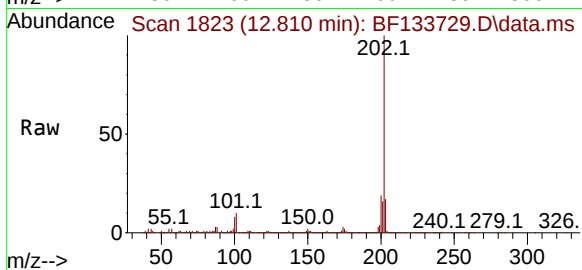
Tgt Ion:202 Resp: 202942

Ion Ratio Lower Upper

202 100

200 19.1 16.2 24.2

203 17.4 13.9 20.9



#79

Terphenyl-d14

Concen: 45.274 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

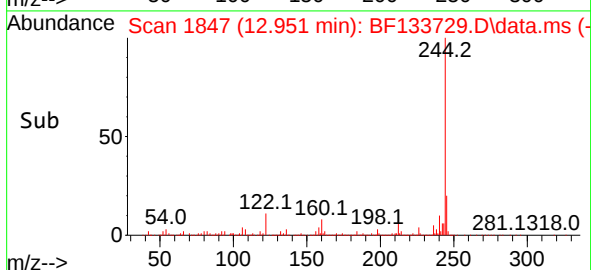
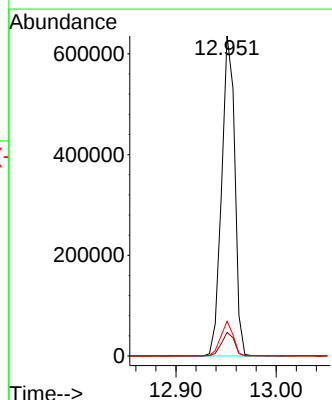
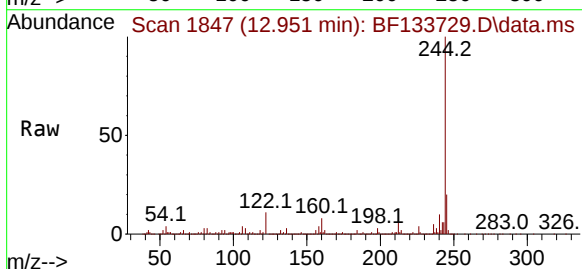
Tgt Ion:244 Resp: 577707

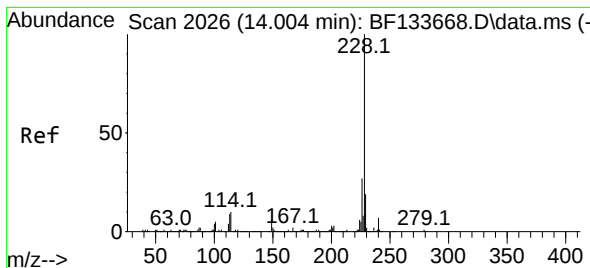
Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 10.9 8.1 12.1





#81

Benzo(a)anthracene

Concen: 5.301 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

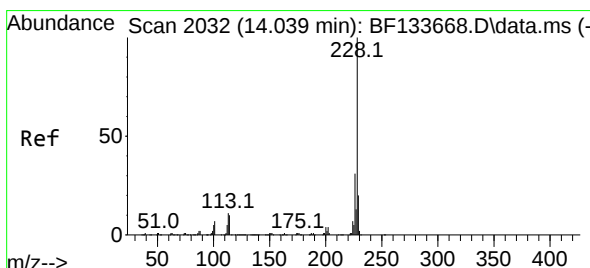
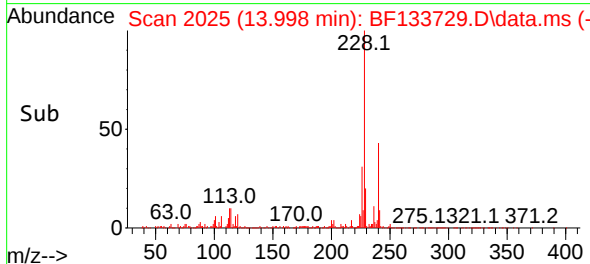
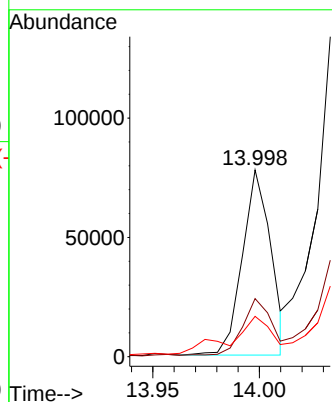
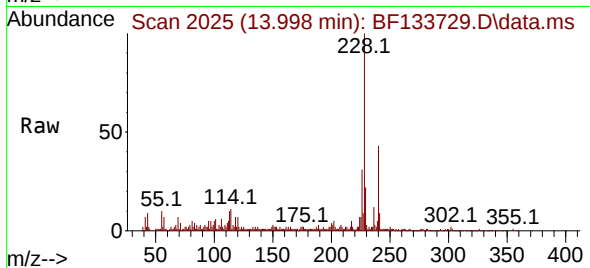
Tgt Ion:228 Resp: 72402

Ion Ratio Lower Upper

228 100

226 31.1 21.7 32.5

229 21.6 15.4 23.2



#83

Chrysene

Concen: 9.079 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

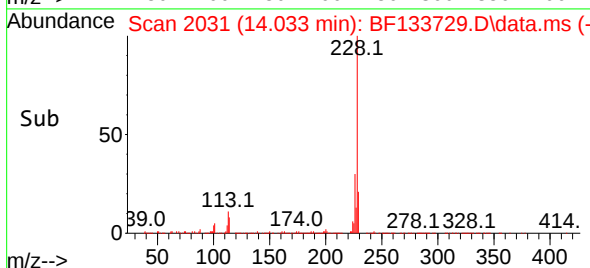
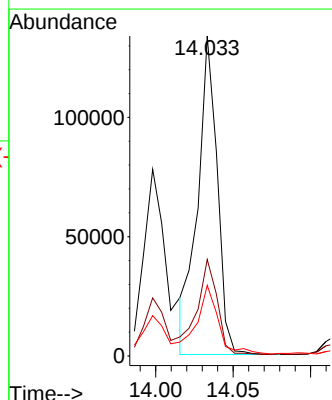
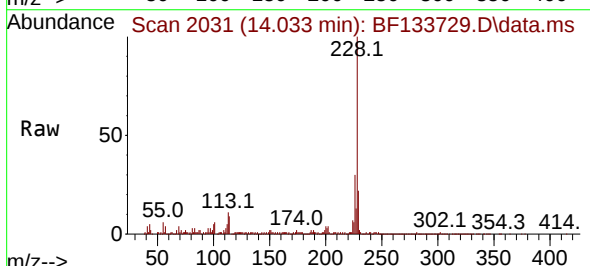
Tgt Ion:228 Resp: 117276

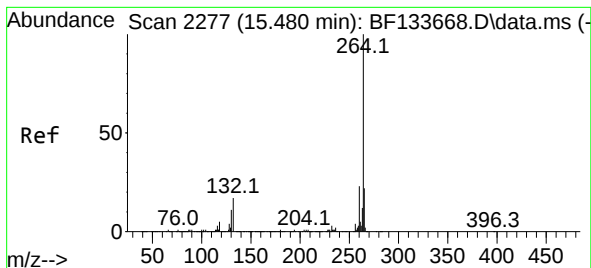
Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

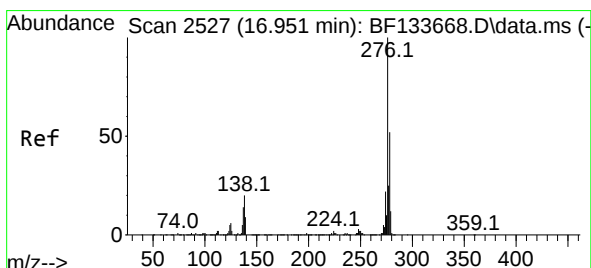
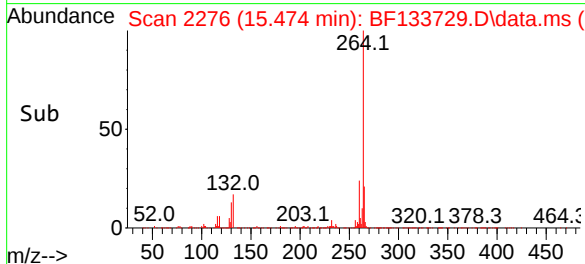
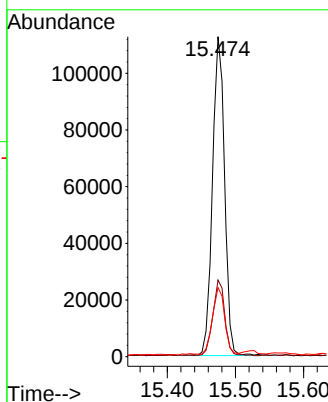
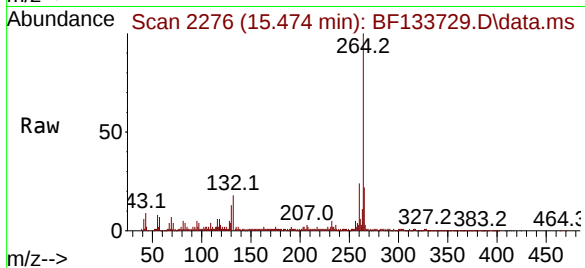
Tgt Ion:264 Resp: 139333

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 21.6 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.976 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.017 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

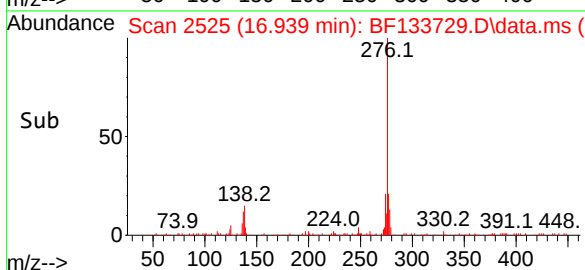
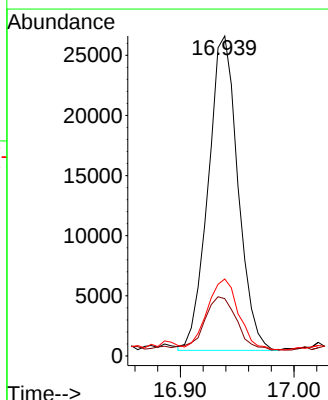
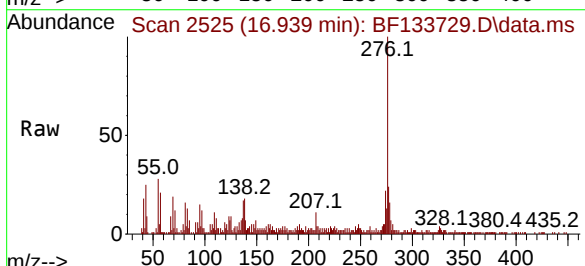
Tgt Ion:276 Resp: 47702

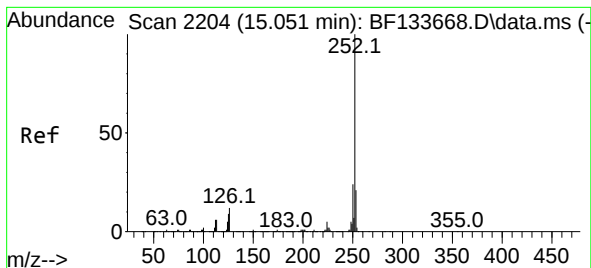
Ion Ratio Lower Upper

276 100

138 18.5 17.9 26.9

277 23.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 20.382 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

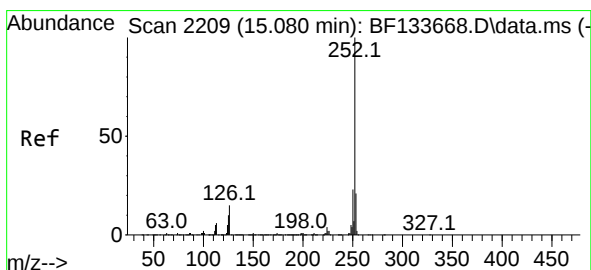
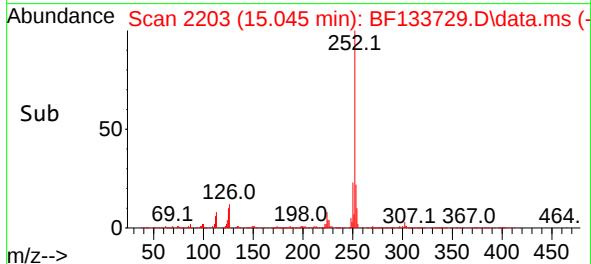
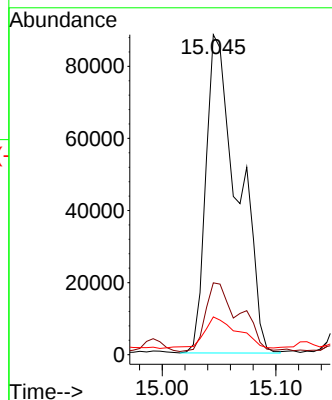
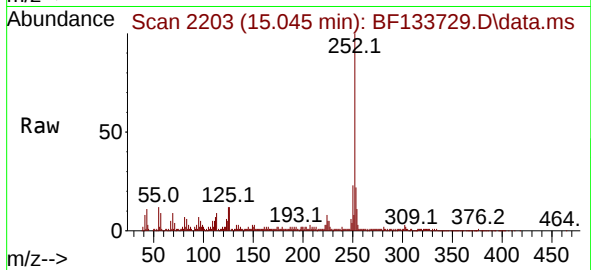
Tgt Ion:252 Resp: 172508

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 11.8 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 20.923 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.041 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

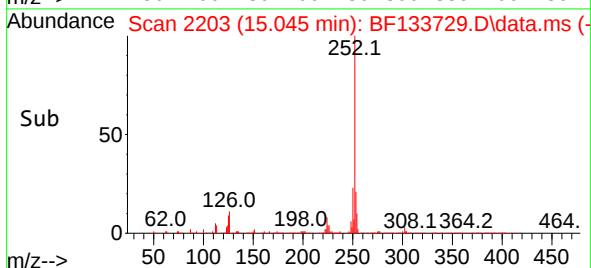
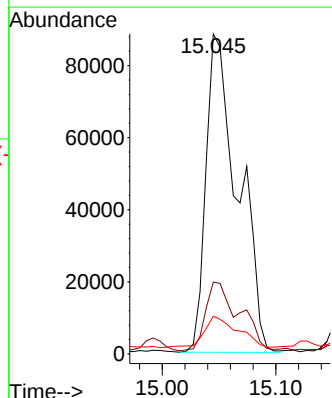
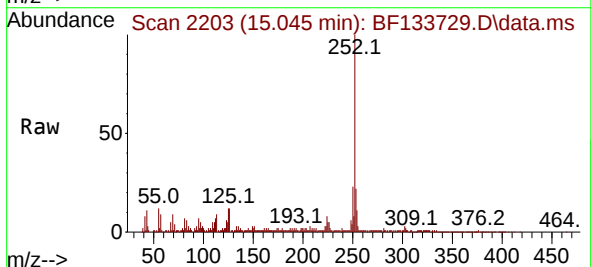
Tgt Ion:252 Resp: 172508

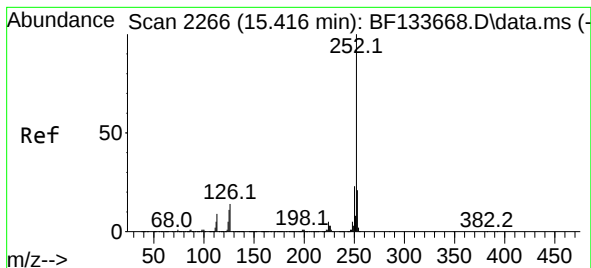
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 11.8 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 7.415 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Instrument :

BNA_F

ClientSampleId :

SU-3-06072023

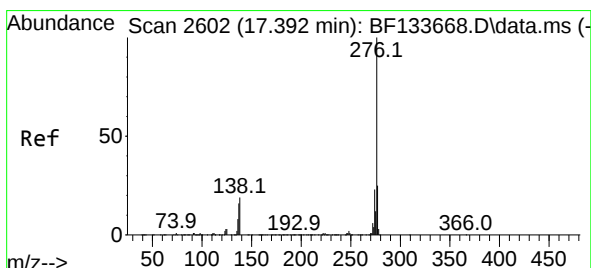
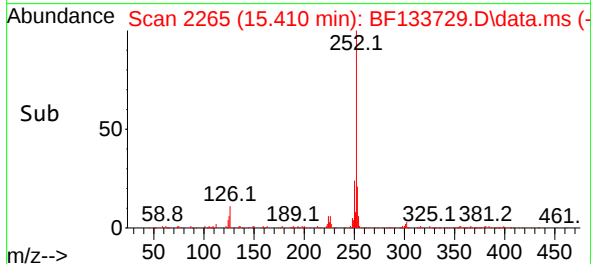
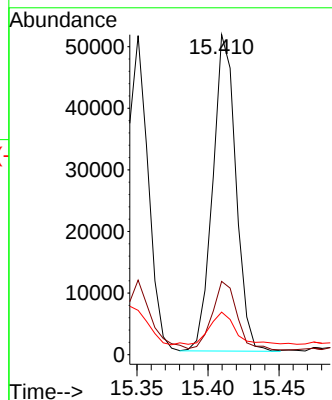
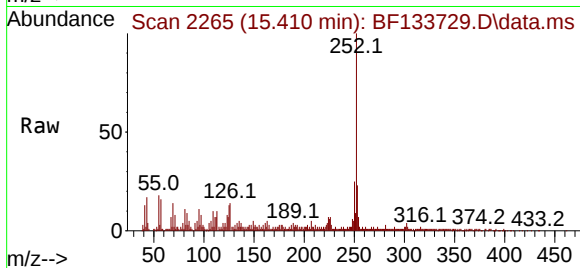
Tgt Ion:252 Resp: 58249

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 13.3 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 5.690 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.023 min

Lab File: BF133729.D

Acq: 13 Jun 2023 14:13

Tgt Ion:276 Resp: 44767

Ion Ratio Lower Upper

276 100

277 25.9 19.8 29.8

138 19.0 15.0 22.4

