

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133781.D
 Acq On : 15 Jun 2023 18:28
 Operator : CG\JU
 Sample : 03221-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4194

Quant Time: Jun 16 06:51:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:12:57 2023
 Response via : Initial Calibration

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

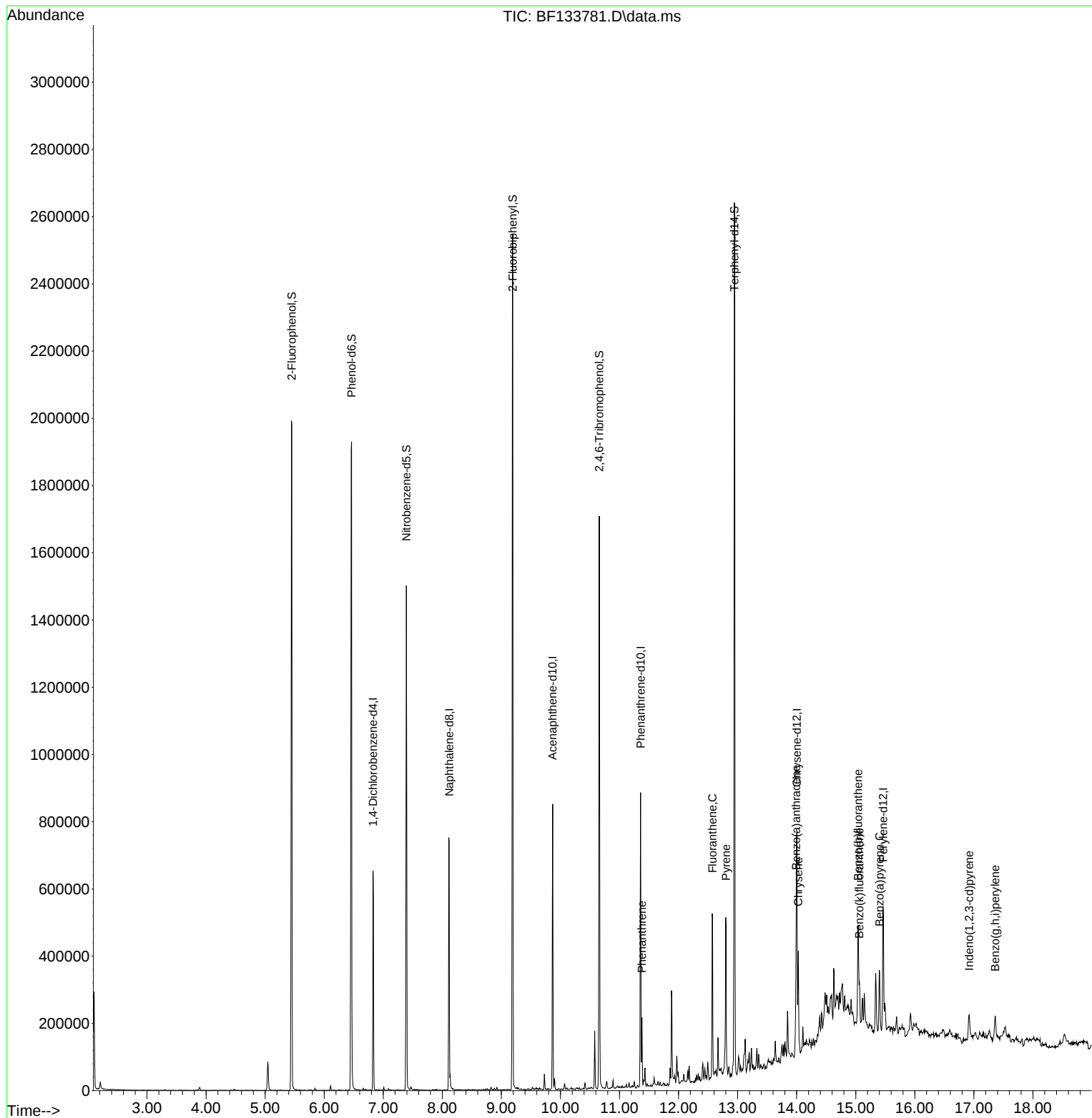
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	91855	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	338716	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	155818	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	290341	20.000	ng	0.00
76) Chrysene-d12	14.004	240	193985	20.000	ng	0.00
86) Perylene-d12	15.462	264	168997	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	543052	102.923	ng	0.01
7) Phenol-d6	6.463	99	635500	92.531	ng	0.00
23) Nitrobenzene-d5	7.392	82	413154	66.437	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	186940	94.779	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	809709	73.869	ng	0.00
79) Terphenyl-d14	12.945	244	931372	74.292	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.380	178	66206	4.494	ng	98
75) Fluoranthene	12.574	202	201128	12.858	ng	99
78) Pyrene	12.804	202	201104	11.129	ng	98
81) Benzo(a)anthracene	13.992	228	92406	6.887	ng	94
83) Chrysene	14.027	228	122583	9.659	ng	99
87) Indeno(1,2,3-cd)pyrene	16.921	276	52952	4.554	ng	98
88) Benzo(b)fluoranthene	15.039	252	160752m	15.659	ng	
89) Benzo(k)fluoranthene	15.062	252	45562m	4.556	ng	
90) Benzo(a)pyrene	15.404	252	93102	9.772	ng	97
92) Benzo(g,h,i)perylene	17.362	276	52064	5.455	ng	95

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

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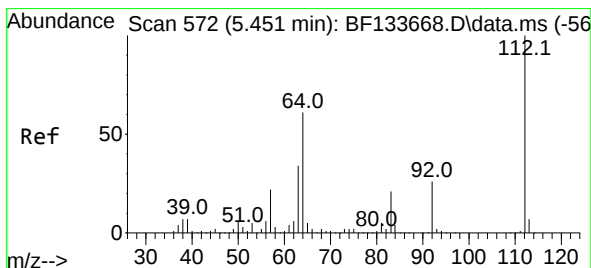
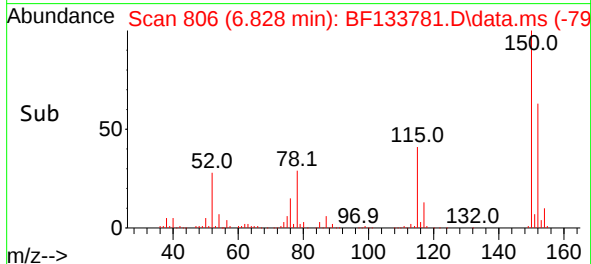
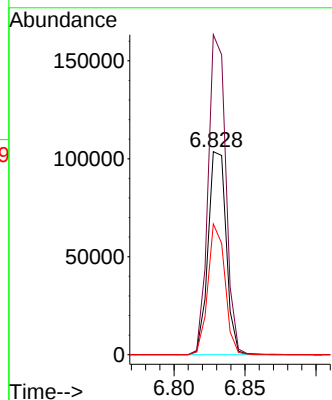
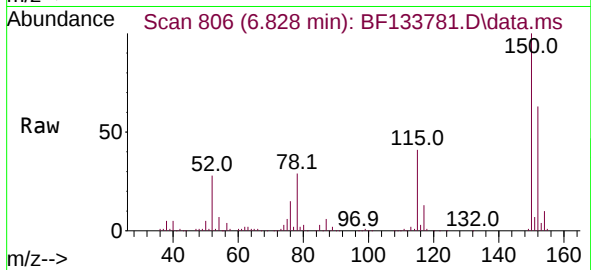




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

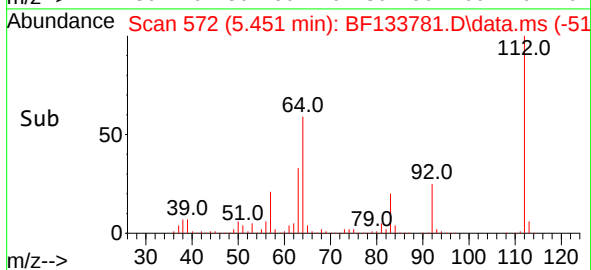
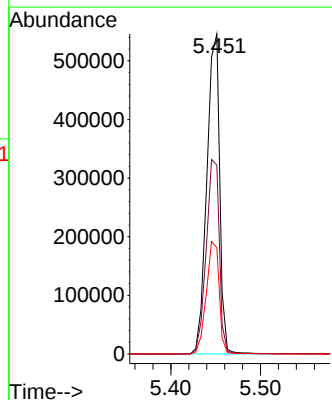
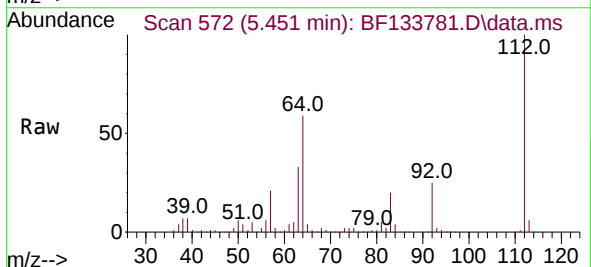
Instrument :
BNA_F
ClientSampleId :
RT-4194

Tgt Ion:152 Resp: 91855
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 64.4 48.5 72.7



#5
2-Fluorophenol
Concen: 102.923 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

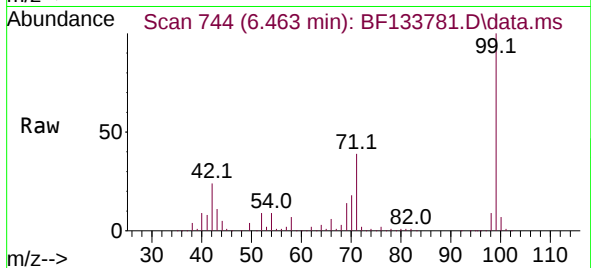
Tgt Ion:112 Resp: 543052
Ion Ratio Lower Upper
112 100
64 59.0 49.0 73.4
63 33.2 26.8 40.2



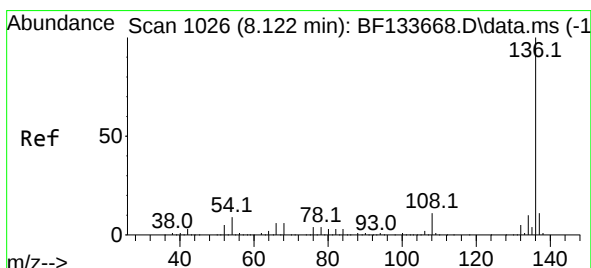
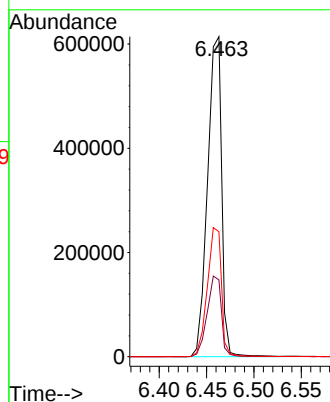
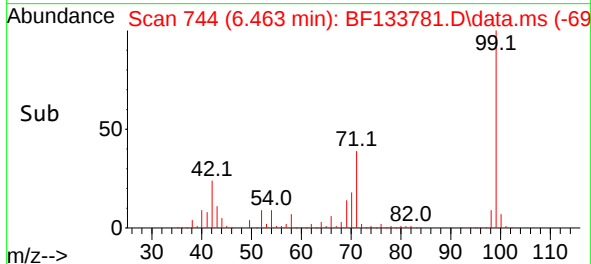


#7
Phenol-d6
Concen: 92.531 ng
RT: 6.463 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Instrument :
BNA_F
ClientSampleId :
RT-4194

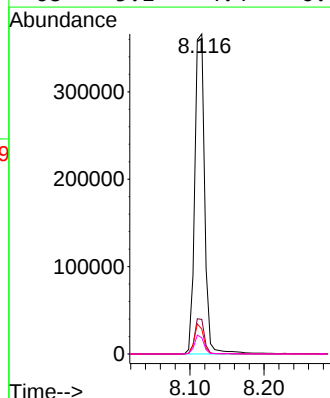
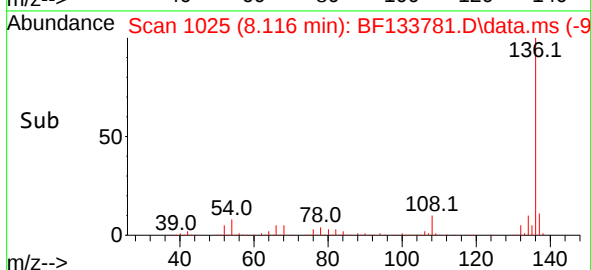
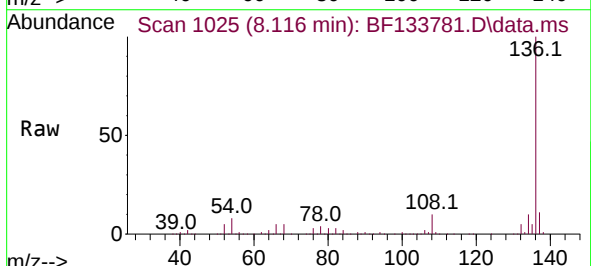


Tgt Ion: 99 Resp: 635500
Ion Ratio Lower Upper
99 100
42 24.0 19.9 29.9
71 39.1 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion: 136 Resp: 338716
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 66.437 ng

RT: 7.392 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

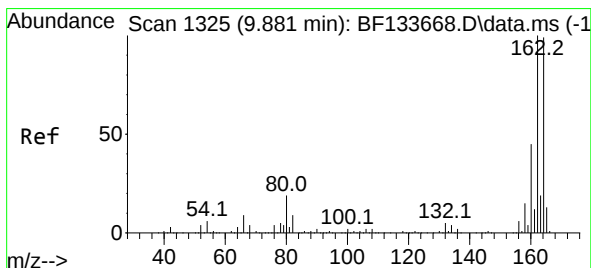
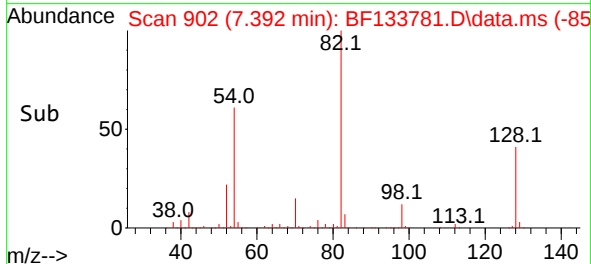
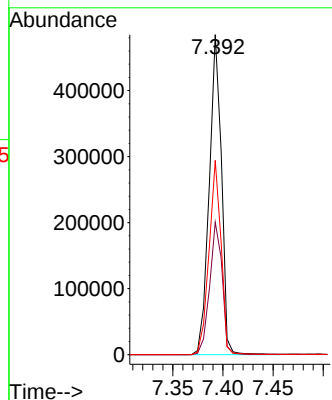
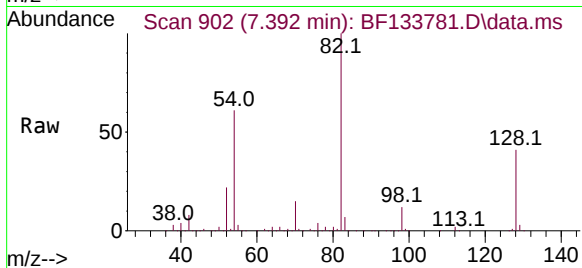
BNA_F

ClientSampleId :

RT-4194

Tgt Ion: 82 Resp: 413154

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	60.7	46.5	69.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

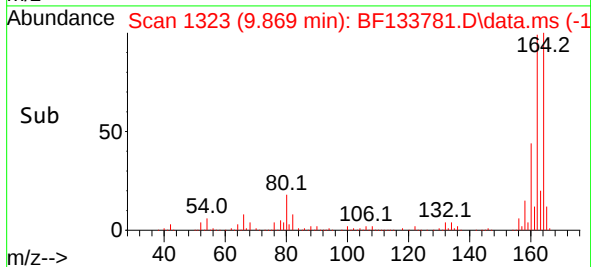
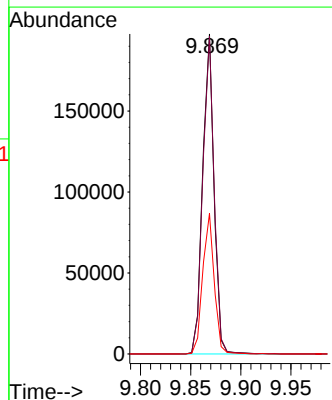
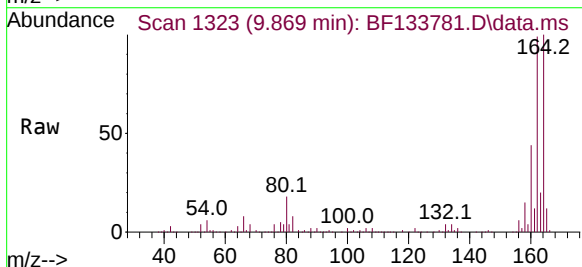
Delta R.T. -0.000 min

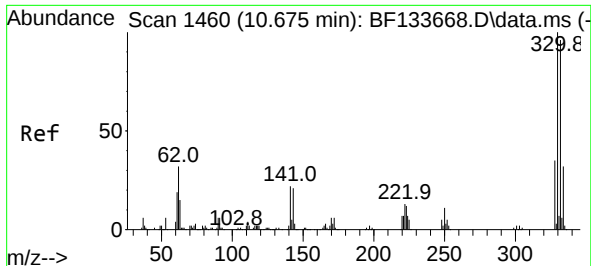
Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Tgt Ion:164 Resp: 155818

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.8	121.2
160	43.9	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 94.779 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

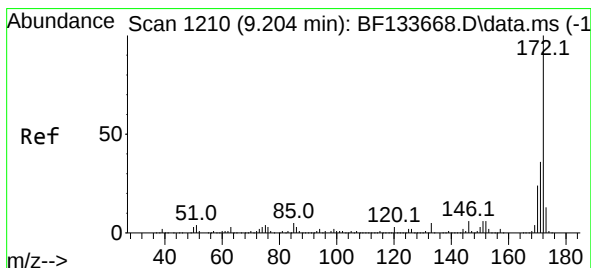
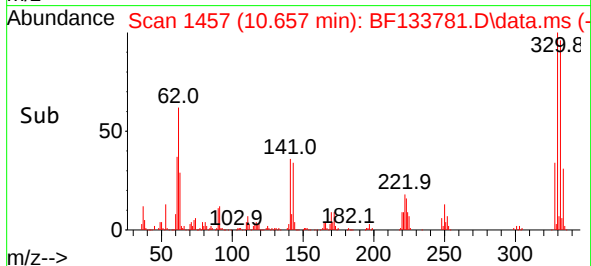
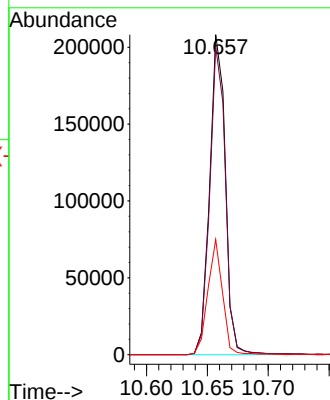
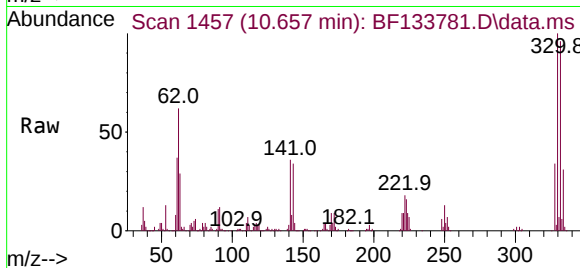
Tgt Ion:330 Resp: 186940

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

141 33.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 73.869 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

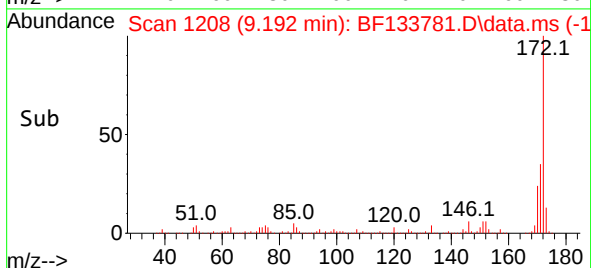
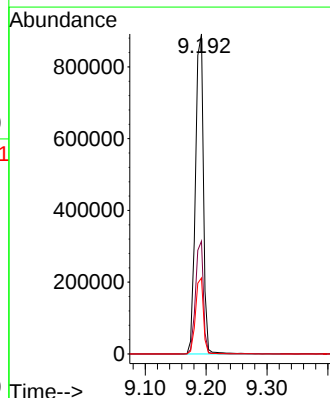
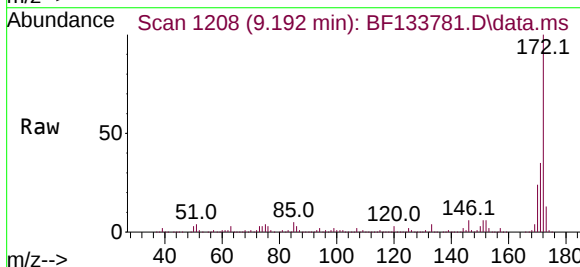
Tgt Ion:172 Resp: 809709

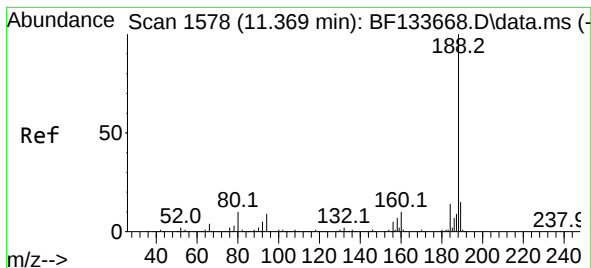
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.8 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

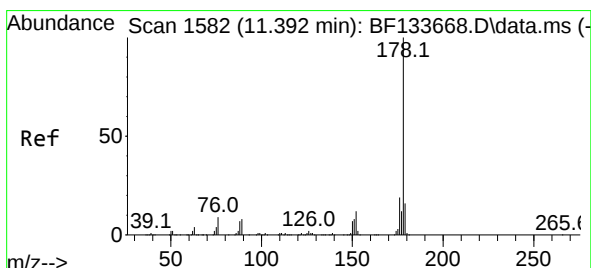
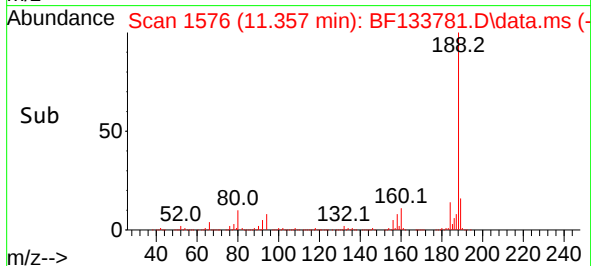
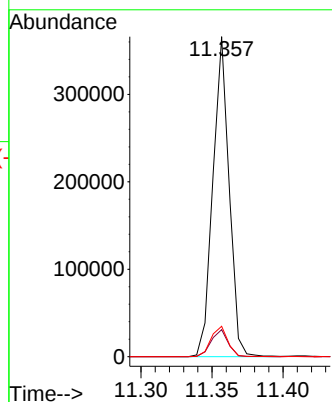
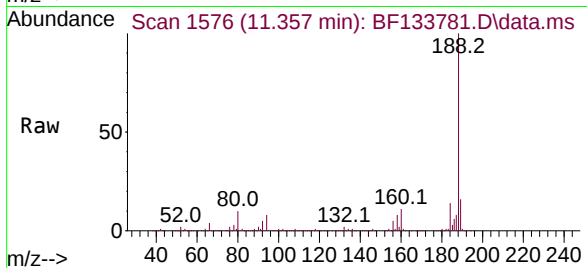
Tgt Ion:188 Resp: 290341

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.5 7.8 11.6



#71

Phenanthrene

Concen: 4.494 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

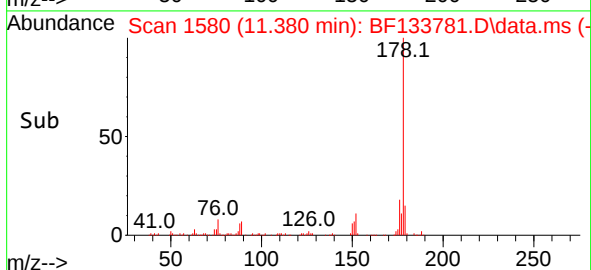
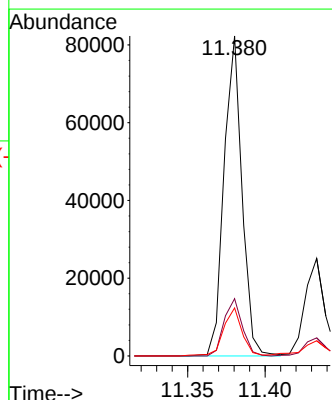
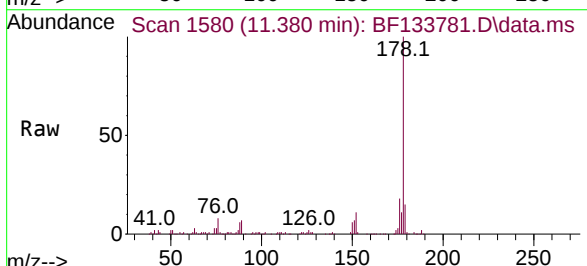
Tgt Ion:178 Resp: 66206

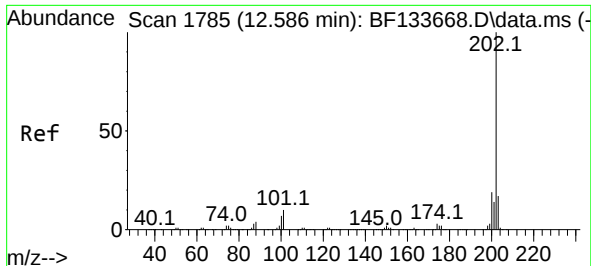
Ion Ratio Lower Upper

178 100

176 17.9 15.6 23.4

179 15.0 12.4 18.6

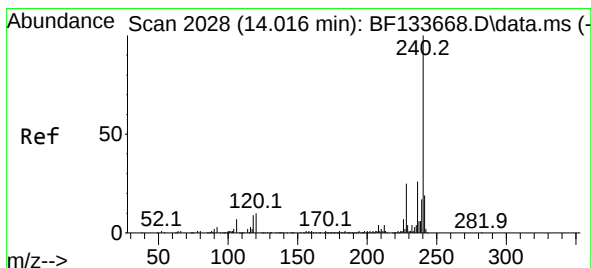
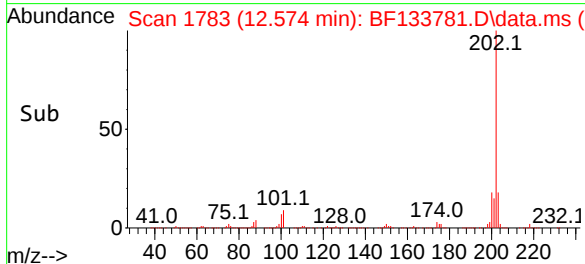
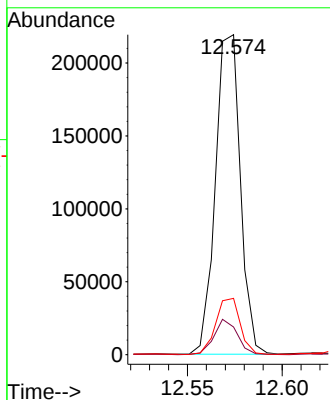
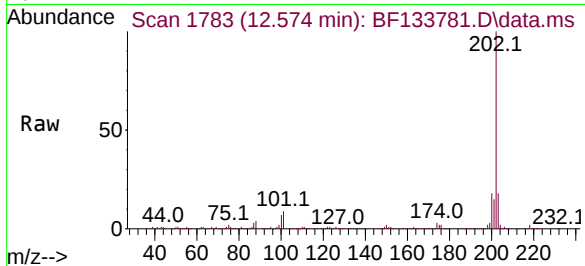




#75
Fluoranthene
Concen: 12.858 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

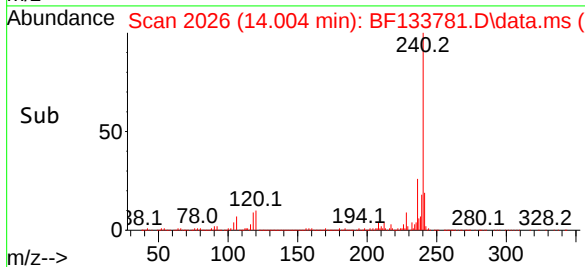
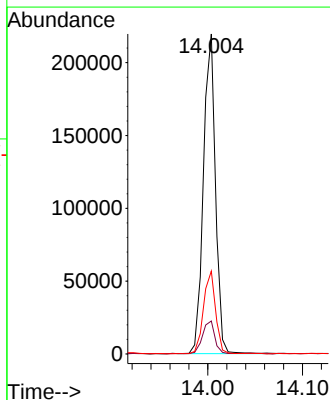
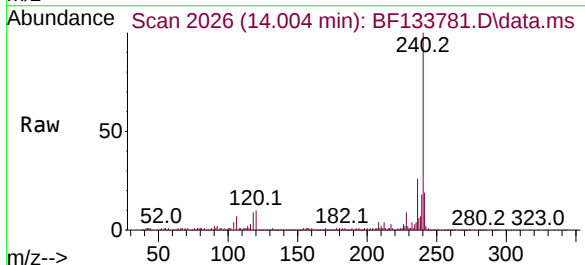
Instrument :
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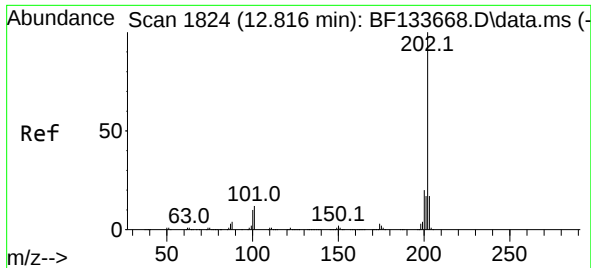
Tgt Ion:202 Resp: 201128
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.6
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion:240 Resp: 193985
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 25.9 20.5 30.7

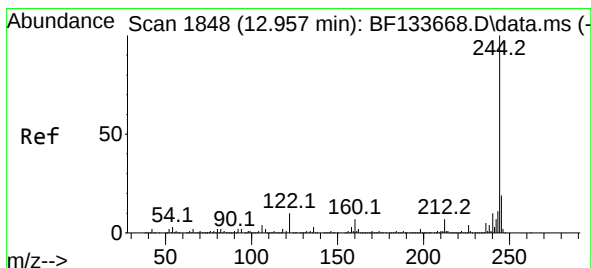
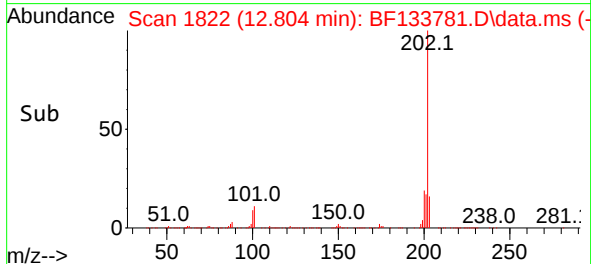
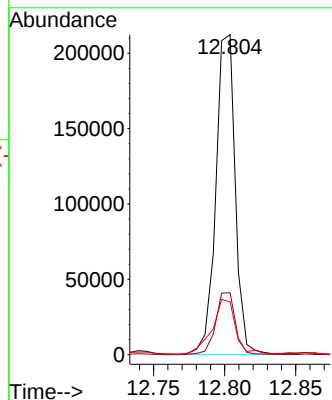
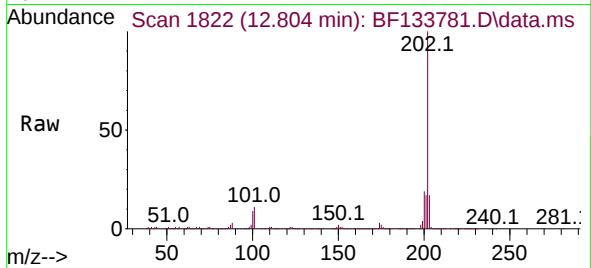




#78
Pyrene
Concen: 11.129 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

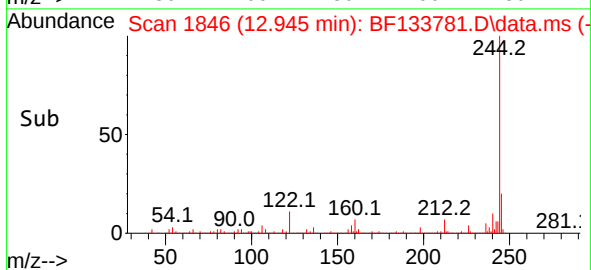
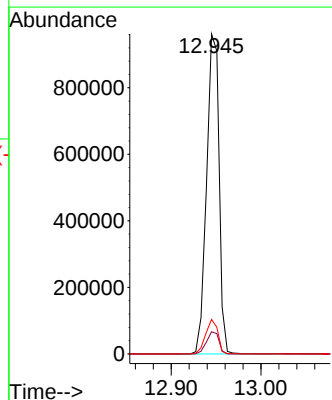
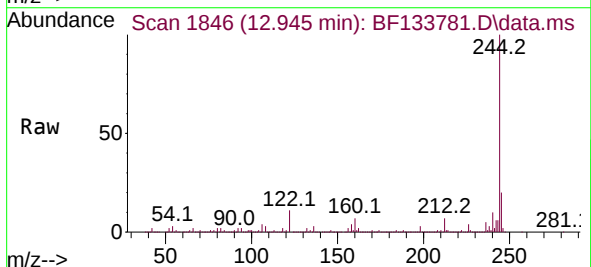
Instrument :
BNA_F
ClientSampleId :
RT-4194

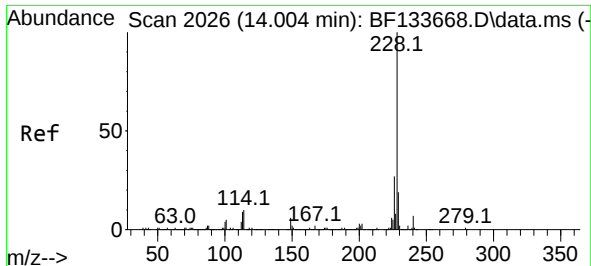
Tgt Ion:202 Resp: 201104
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 16.5 13.9 20.9



#79
Terphenyl-d14
Concen: 74.292 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion:244 Resp: 931372
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.8 8.1 12.1

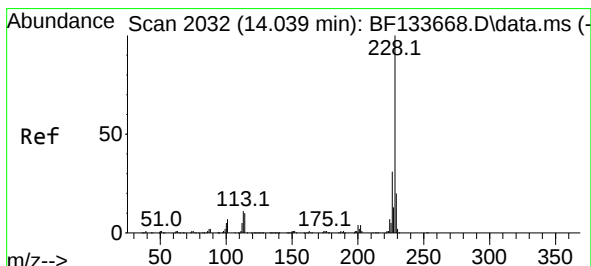
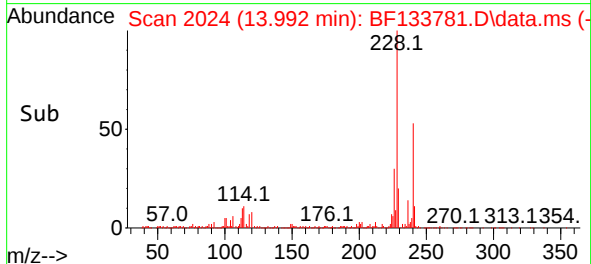
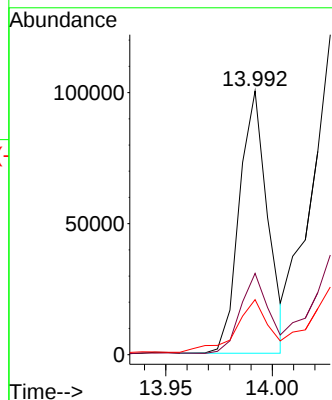
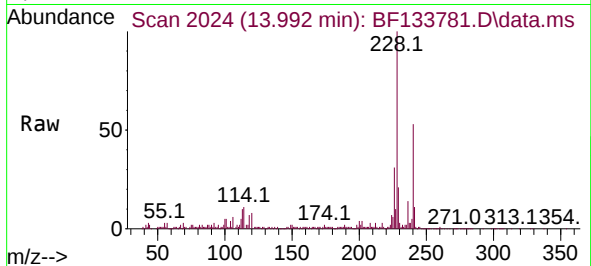




#81
Benzo(a)anthracene
Concen: 6.887 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

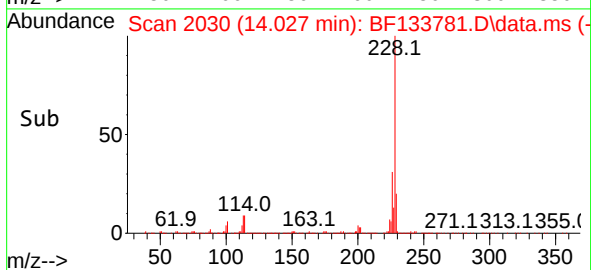
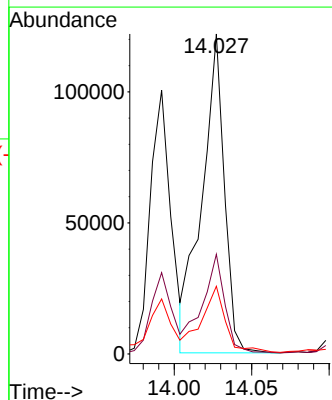
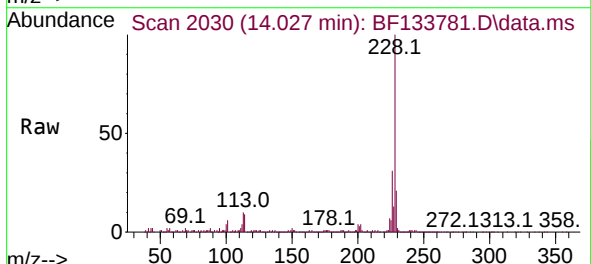
Instrument :
BNA_F
ClientSampleId :
RT-4194

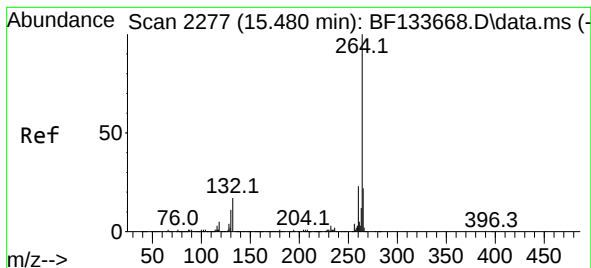
Tgt Ion:228 Resp: 92406
Ion Ratio Lower Upper
228 100
226 30.8 21.7 32.5
229 20.8 15.4 23.2



#83
Chrysene
Concen: 9.659 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF133781.D
Acq: 15 Jun 2023 18:28

Tgt Ion:228 Resp: 122583
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 21.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

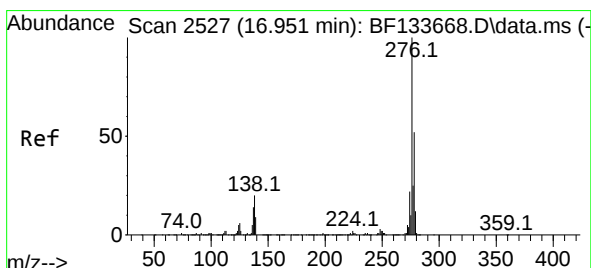
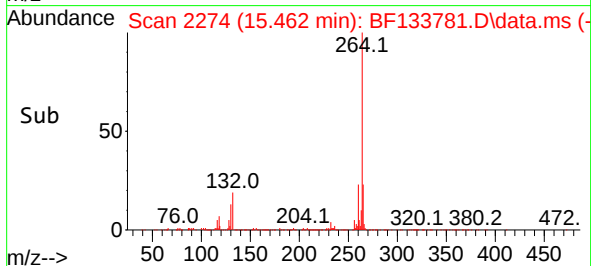
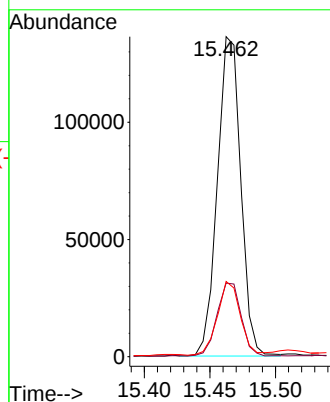
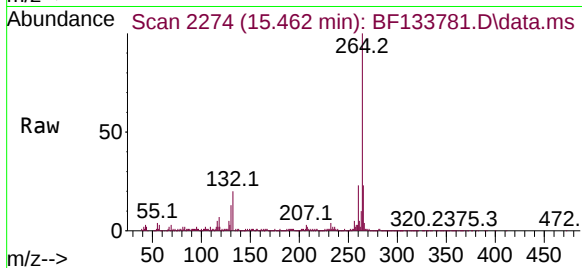
Tgt Ion:264 Resp: 168997

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 23.5 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.554 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

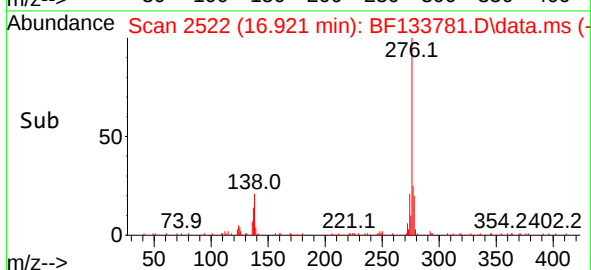
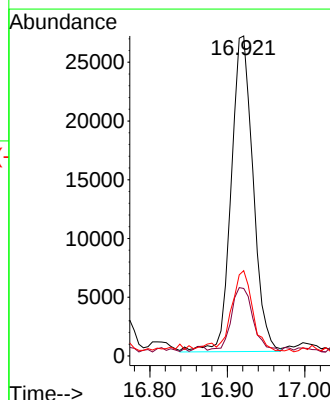
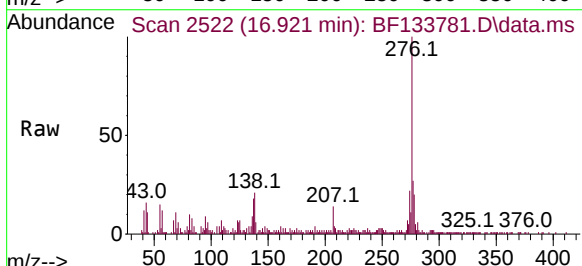
Tgt Ion:276 Resp: 52952

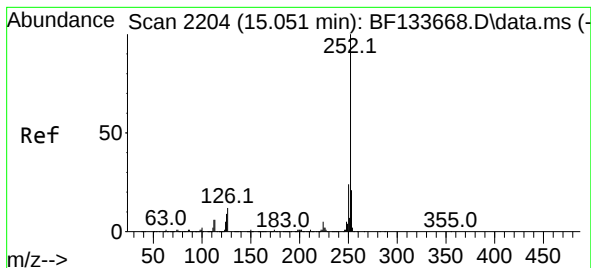
Ion Ratio Lower Upper

276 100

138 20.5 17.9 26.9

277 25.2 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 15.659 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

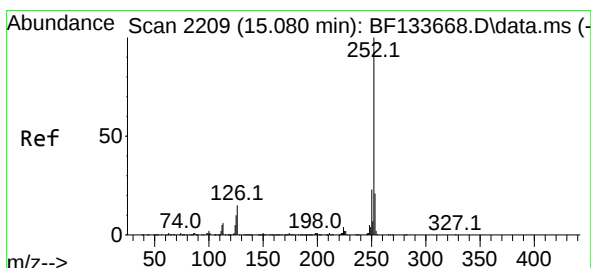
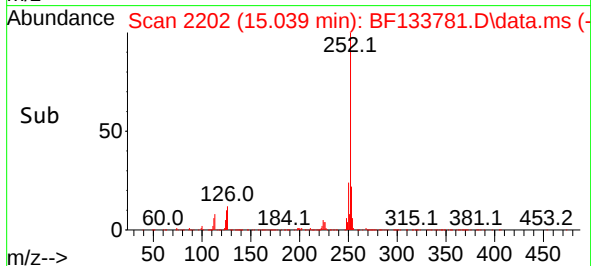
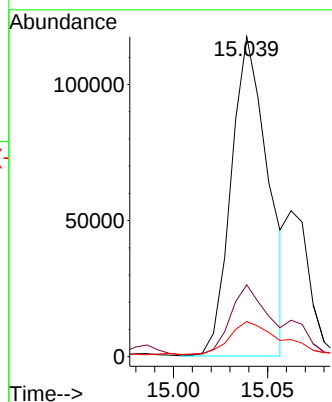
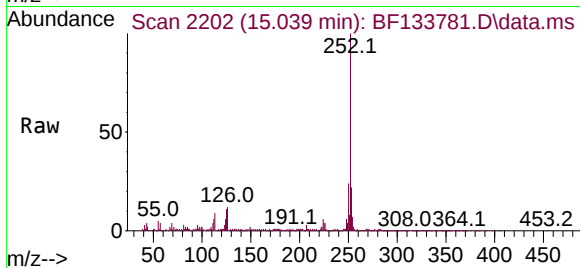
Tgt Ion:252 Resp: 160752

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 11.0 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 4.556 ng m

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

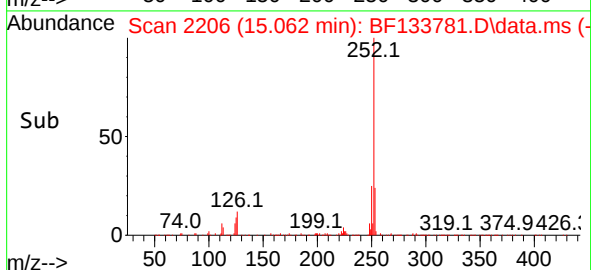
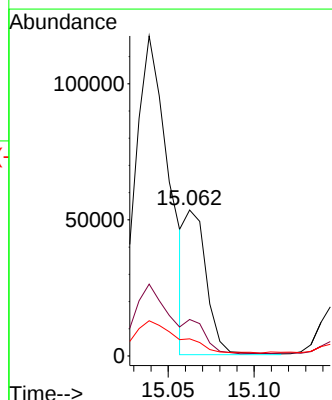
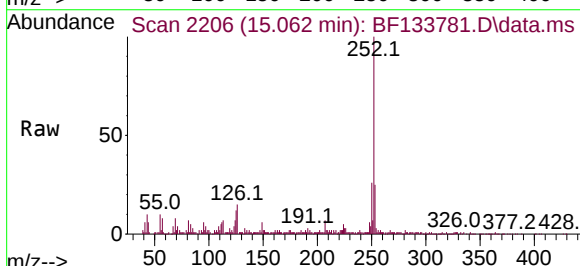
Tgt Ion:252 Resp: 45562

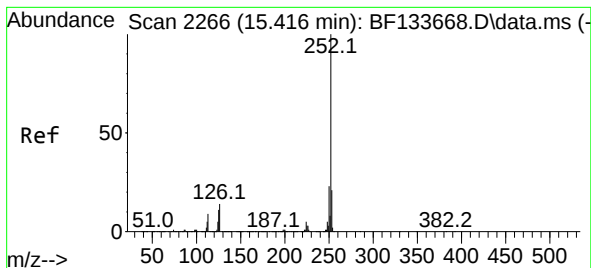
Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.4

125 11.7 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 9.772 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

RT-4194

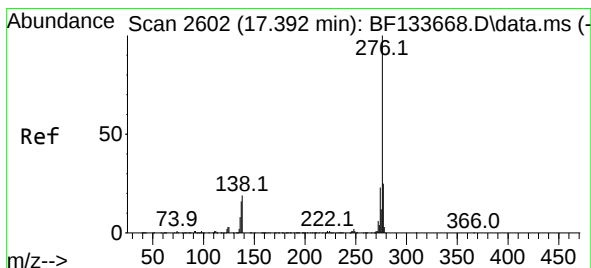
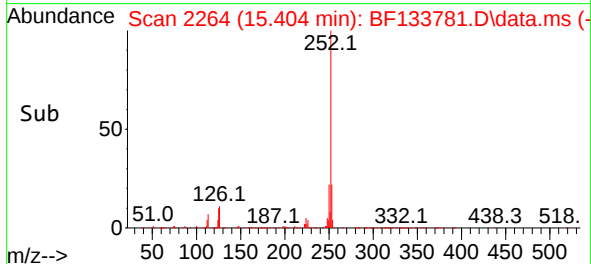
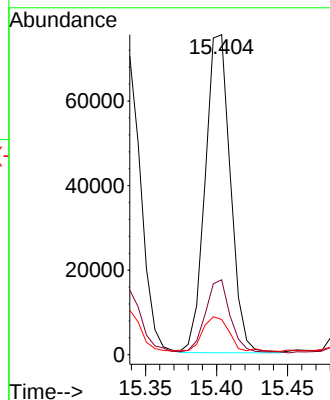
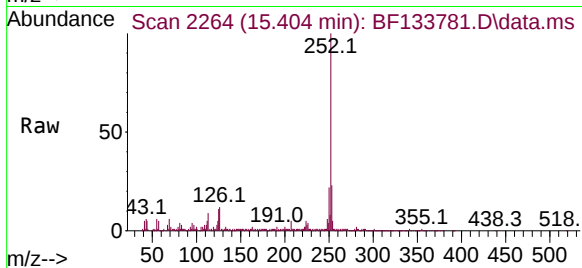
Tgt Ion:252 Resp: 93102

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 11.0 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 5.455 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.006 min

Lab File: BF133781.D

Acq: 15 Jun 2023 18:28

Tgt Ion:276 Resp: 52064

Ion Ratio Lower Upper

276 100

277 22.0 19.8 29.8

138 20.3 15.0 22.4

