

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071023\
 Data File : BF134186.D
 Acq On : 10 Jul 2023 15:03
 Operator : CG\JU
 Sample : 03507-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-1

Quant Time: Jul 10 15:57:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

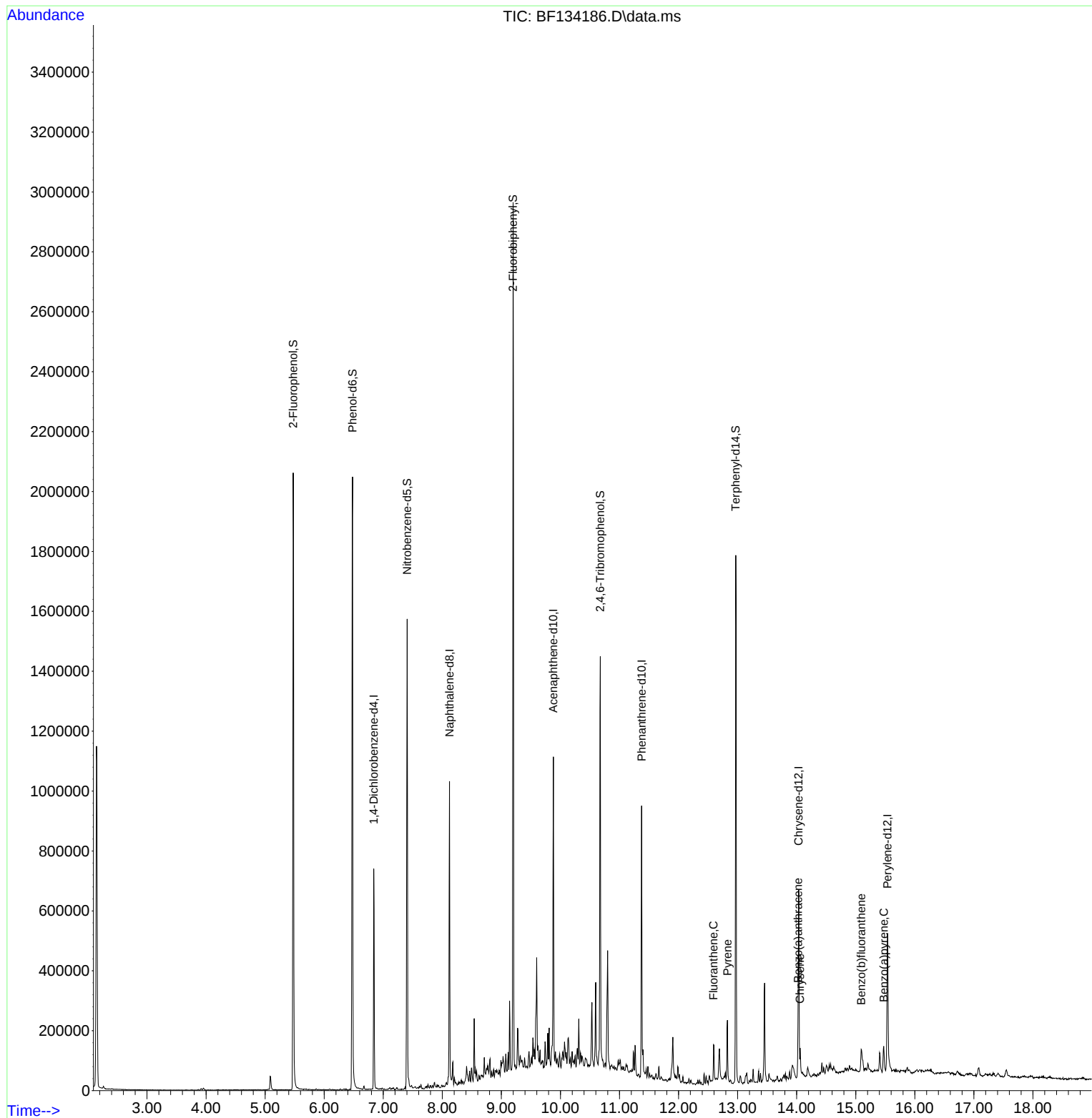
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	105043	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	393155	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	189315	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	312094	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	189037	20.000	ng	-0.02
86) Perylene-d12	15.539	264	230011	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	560689	89.288	ng	-0.01
7) Phenol-d6	6.481	99	679338	87.967	ng	-0.01
23) Nitrobenzene-d5	7.404	82	457519	62.730	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	170375	71.778	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	837671	64.331	ng	-0.01
79) Terphenyl-d14	12.969	244	628560	53.514	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	12.592	202	49088	2.890	ng	100
78) Pyrene	12.827	202	87553	4.977	ng	98
81) Benzo(a)anthracene	14.021	228	39621m	3.022	ng	
83) Chrysene	14.057	228	38458	3.029	ng	95
88) Benzo(b)fluoranthene	15.092	252	43824m	3.240	ng	
90) Benzo(a)pyrene	15.474	252	38664	2.956	ng	98

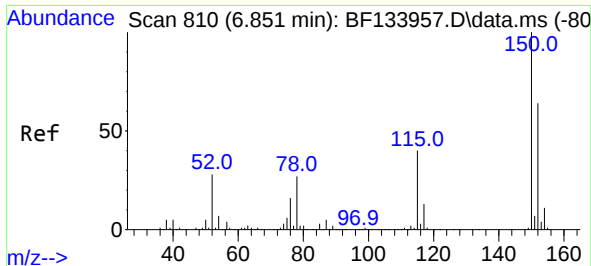
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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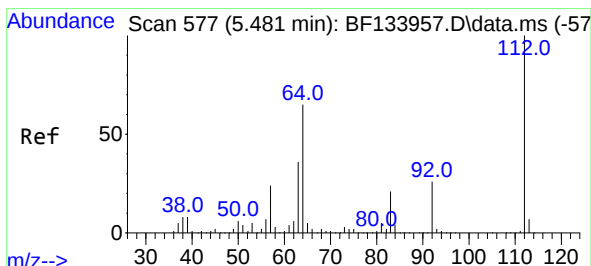
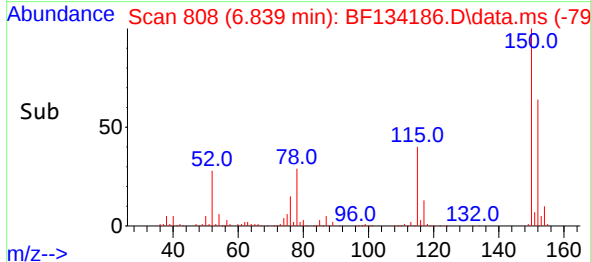
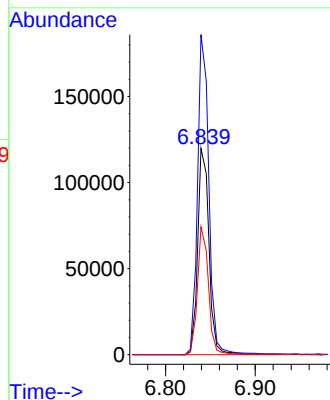
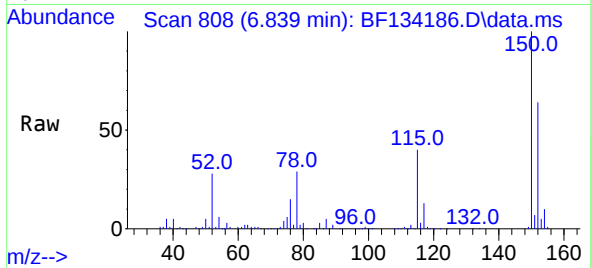




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

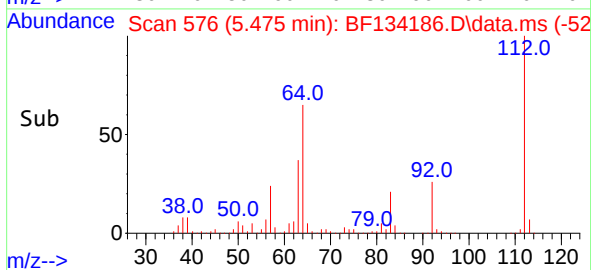
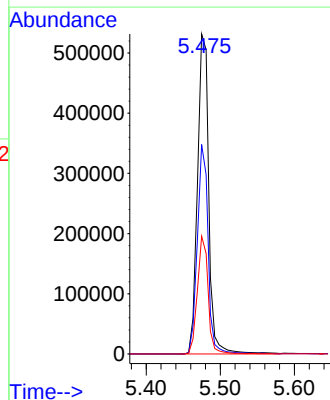
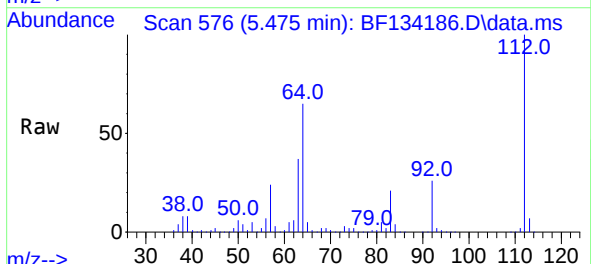
Instrument :
BNA_F
ClientSampleId :
CP-1

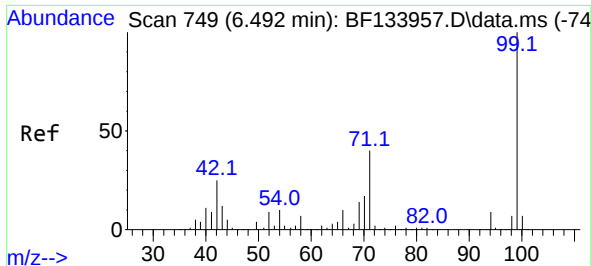
Tgt Ion:152 Resp: 105043
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 61.9 50.2 75.2



#5
2-Fluorophenol
Concen: 89.288 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:112 Resp: 560689
Ion Ratio Lower Upper
112 100
64 65.4 52.1 78.1
63 36.8 28.6 42.8

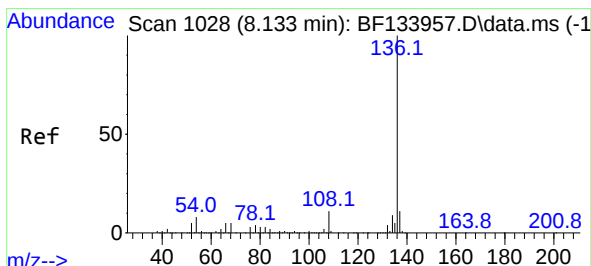
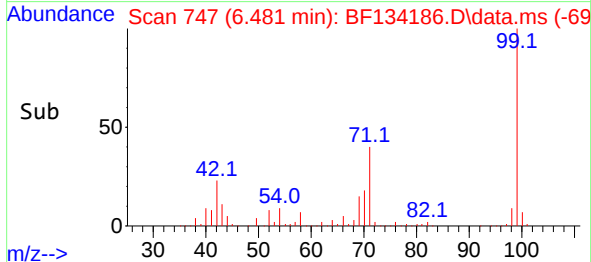
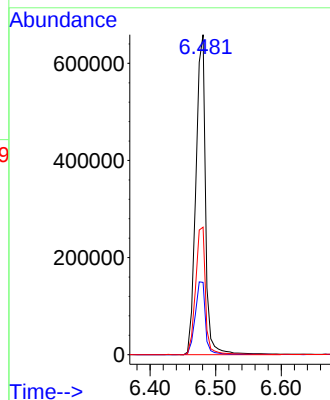
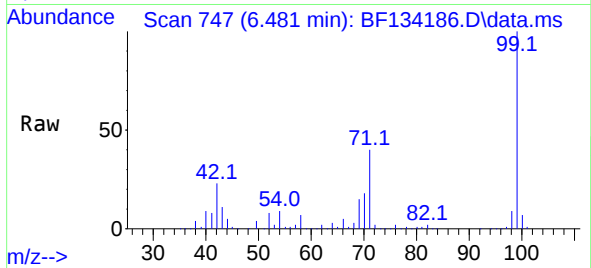




#7
Phenol-d6
Concen: 87.967 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

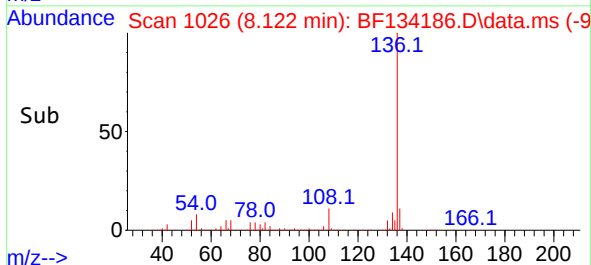
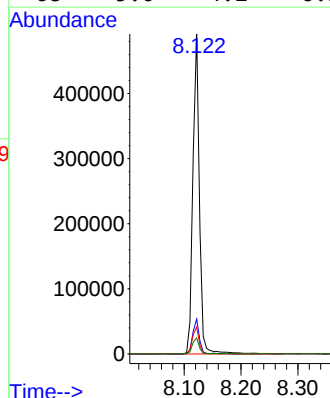
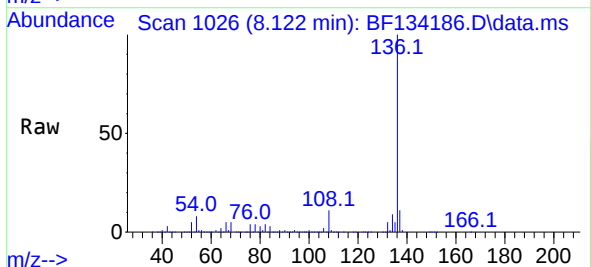
Instrument :
BNA_F
ClientSampleId :
CP-1

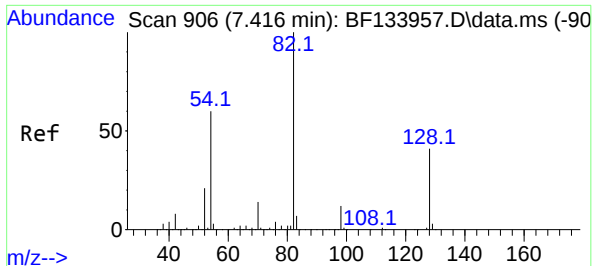
Tgt Ion: 99 Resp: 679338
Ion Ratio Lower Upper
99 100
42 22.6 19.8 29.6
71 39.9 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:136 Resp: 393155
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 8.4 6.5 9.7
68 5.0 4.2 6.2

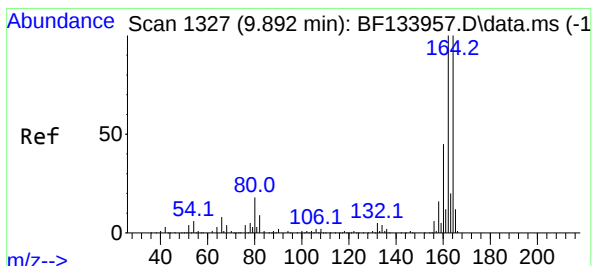
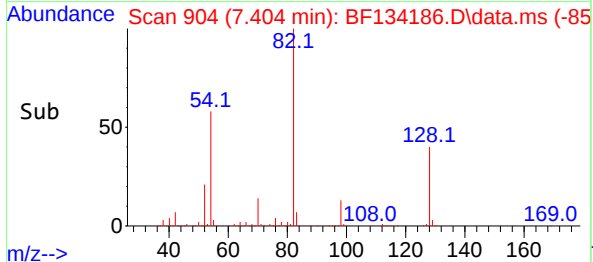
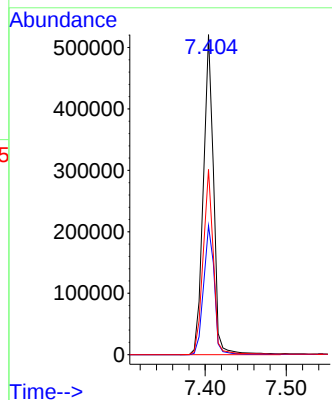
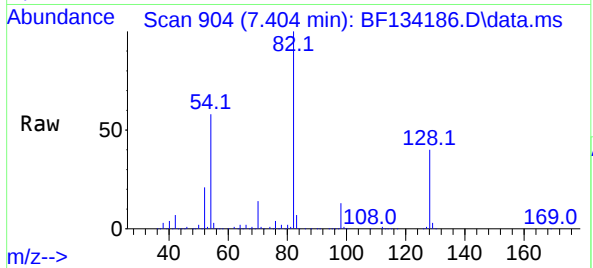




#23
Nitrobenzene-d5
Concen: 62.730 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

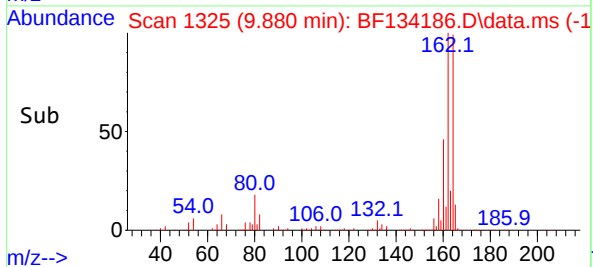
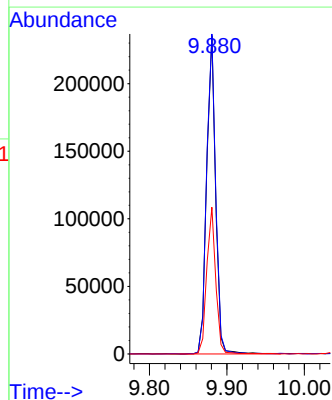
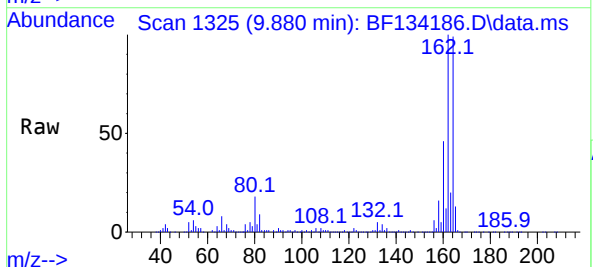
Instrument :
BNA_F
ClientSampleId :
CP-1

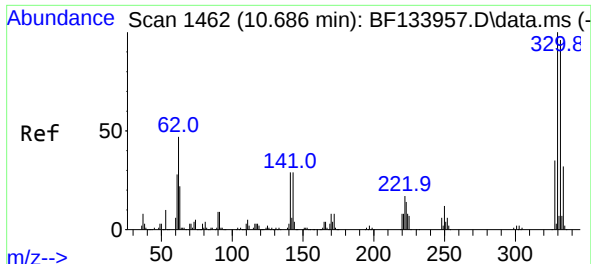
Tgt Ion: 82 Resp: 457519
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 57.8 48.2 72.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:164 Resp: 189315
Ion Ratio Lower Upper
164 100
162 100.5 80.0 120.0
160 46.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 71.778 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :

CP-1

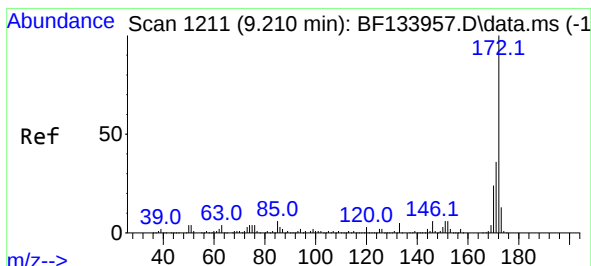
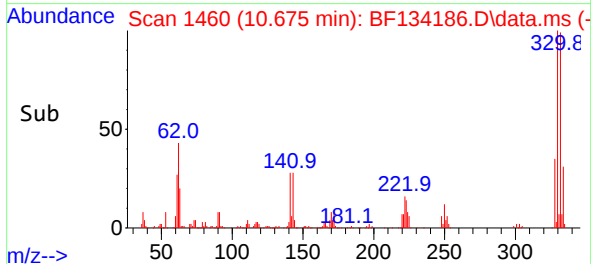
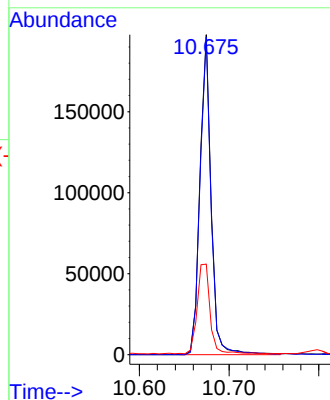
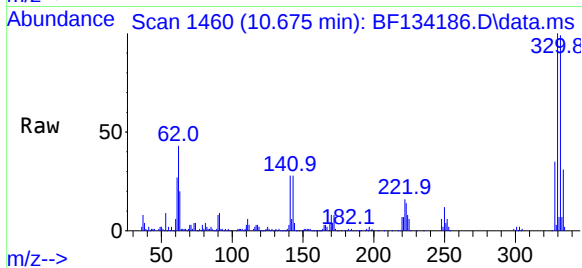
Tgt Ion:330 Resp: 170375

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

141 32.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 64.331 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

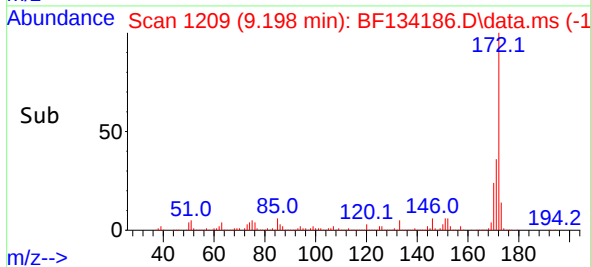
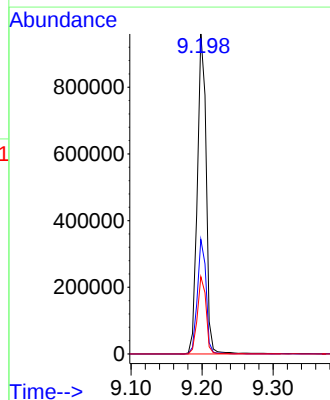
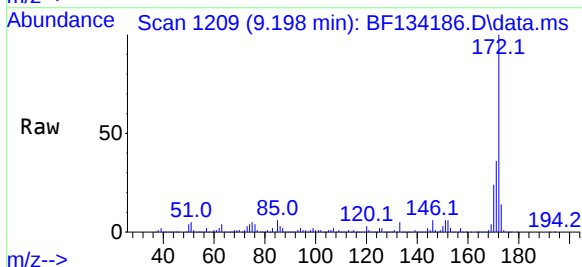
Tgt Ion:172 Resp: 837671

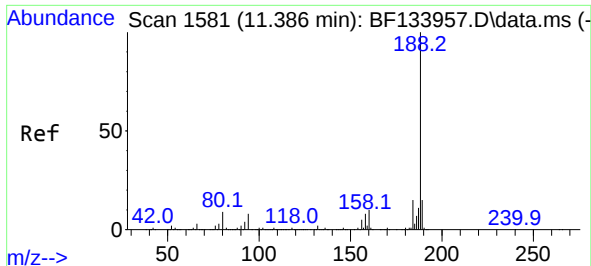
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.2 19.4 29.0

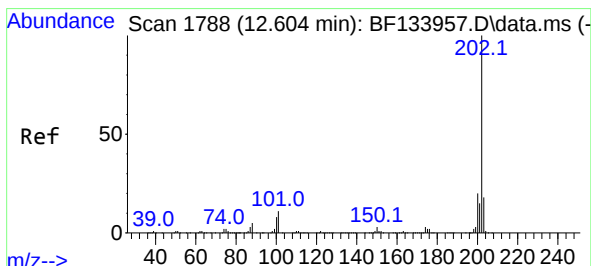
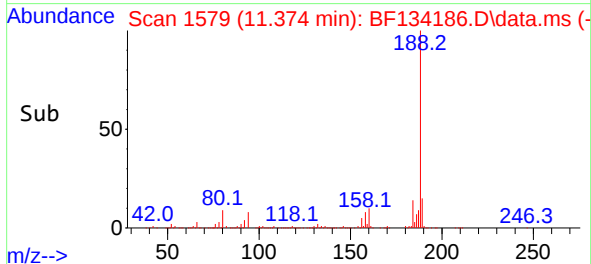
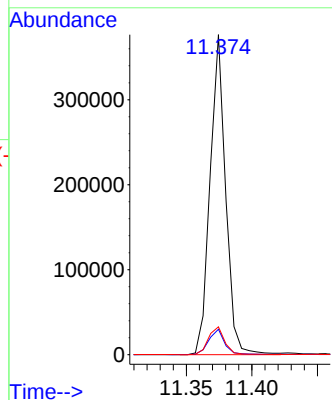
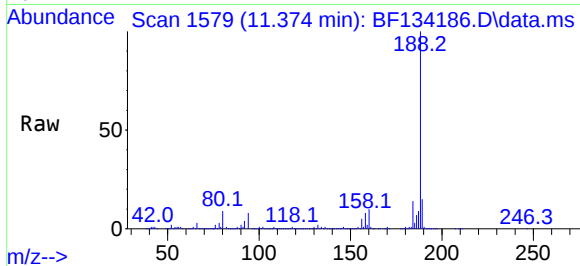




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

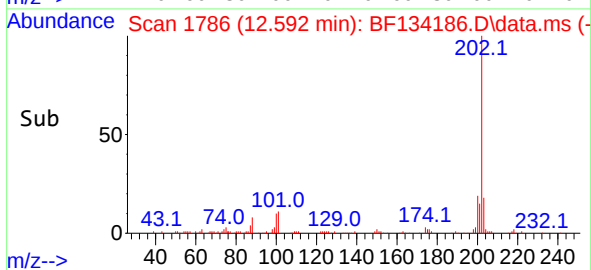
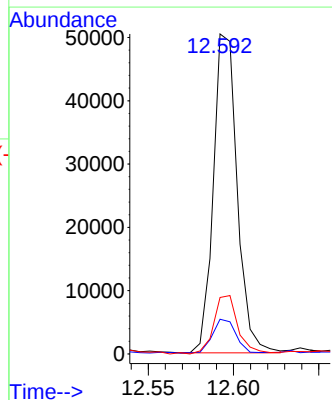
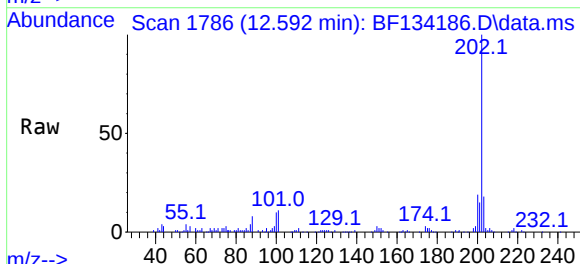
Instrument :
BNA_F
ClientSampleId :
CP-1

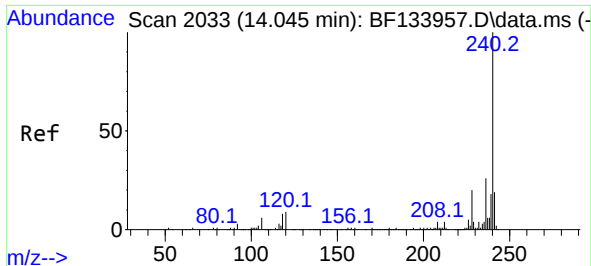
Tgt Ion:188 Resp: 312094
Ion Ratio Lower Upper
188 100
94 8.0 6.4 9.6
80 8.7 7.3 10.9



#75
Fluoranthene
Concen: 2.890 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:202 Resp: 49088
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.0
203 17.6 0.0 37.6

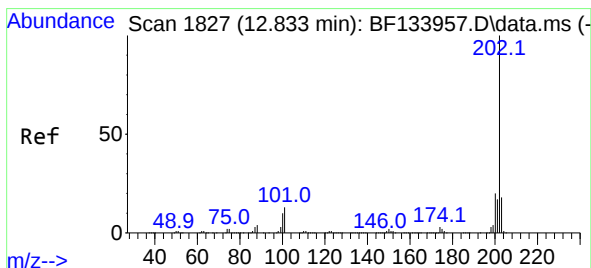
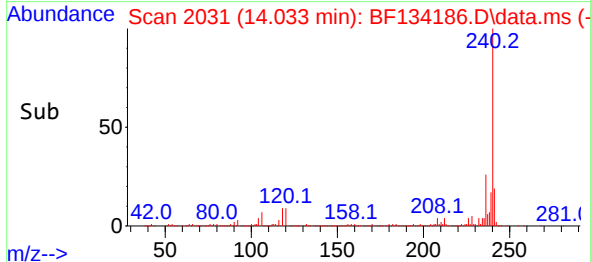
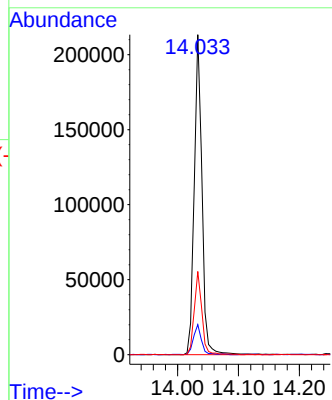
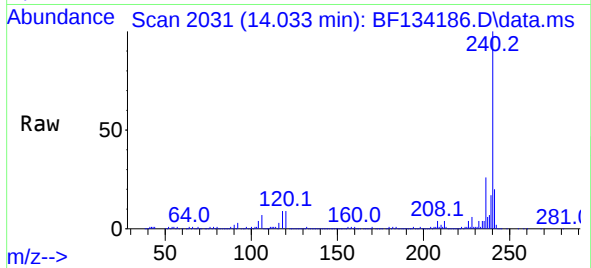




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

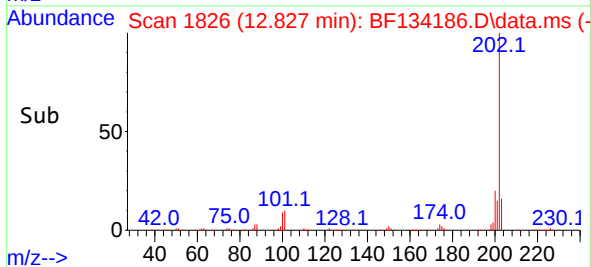
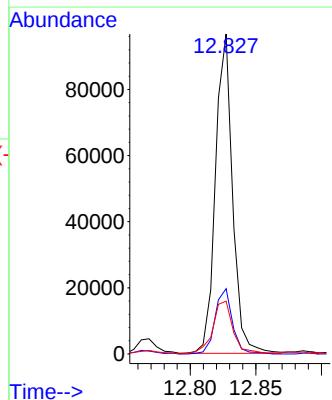
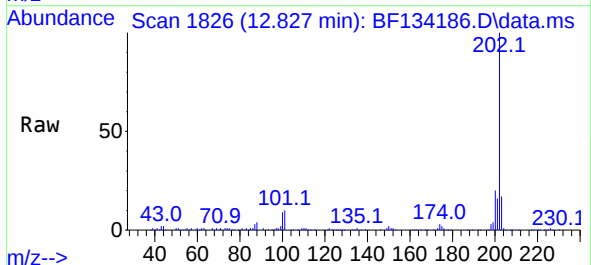
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BNA_F
ClientSampleId :
CP-1

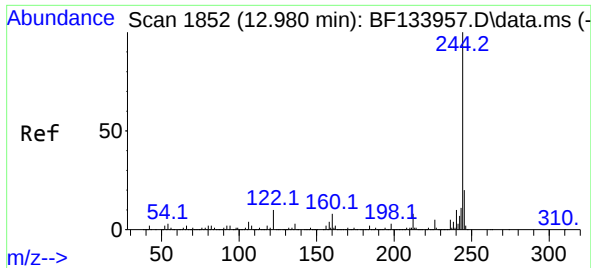
Tgt Ion:240 Resp: 189037
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 26.0 21.0 31.6



#78
Pyrene
Concen: 4.977 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:202 Resp: 87553
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 16.5 14.3 21.5

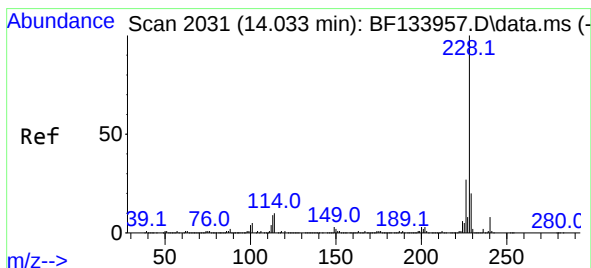
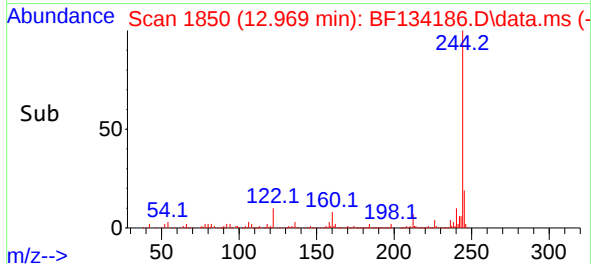
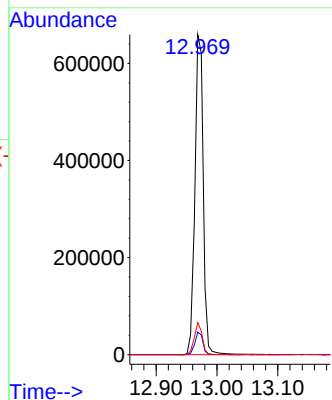
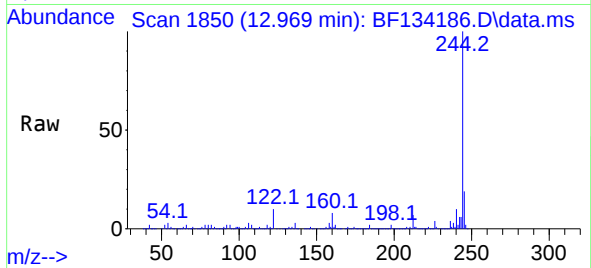




#79
 Terphenyl-d14
 Concen: 53.514 ng
 RT: 12.969 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF134186.D
 Acq: 10 Jul 2023 15:03

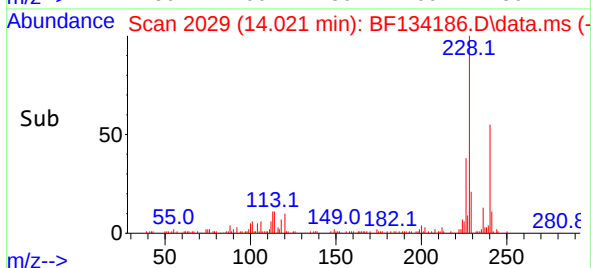
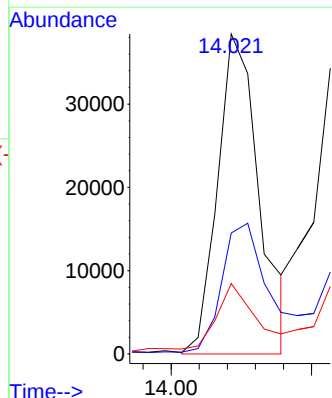
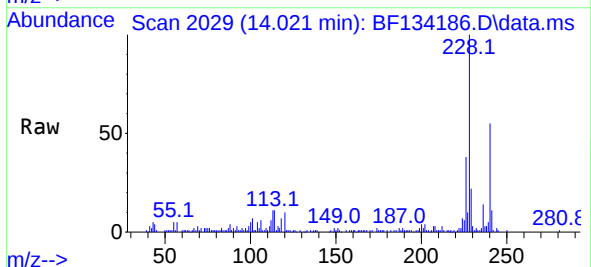
Instrument :
 BNA_F
 ClientSampleId :
 CP-1

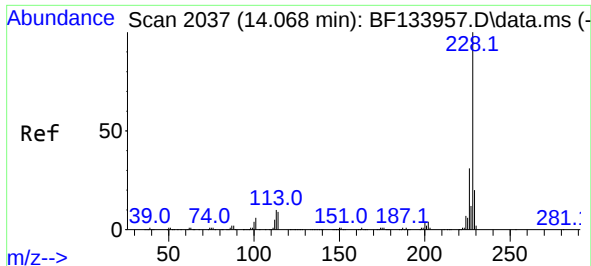
Tgt Ion:244 Resp: 628560
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.0 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.022 ng m
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.018 min
 Lab File: BF134186.D
 Acq: 10 Jul 2023 15:03

Tgt Ion:228 Resp: 39621
 Ion Ratio Lower Upper
 228 100
 226 37.8 22.0 33.0#
 229 22.0 16.3 24.5

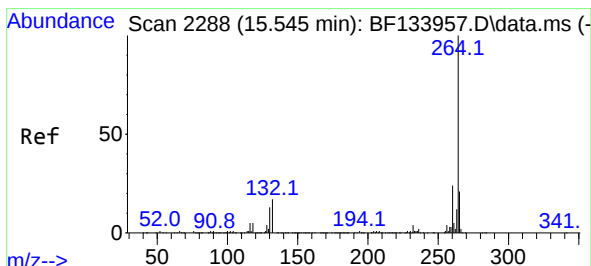
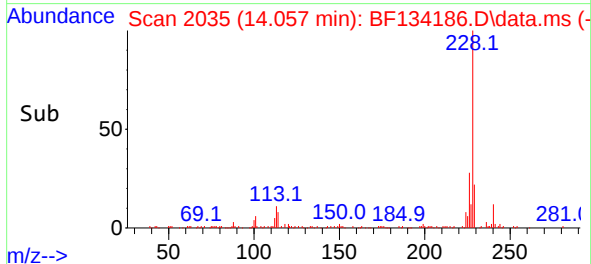
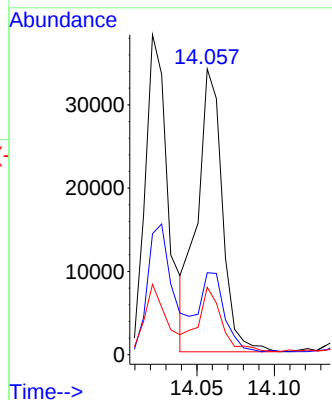
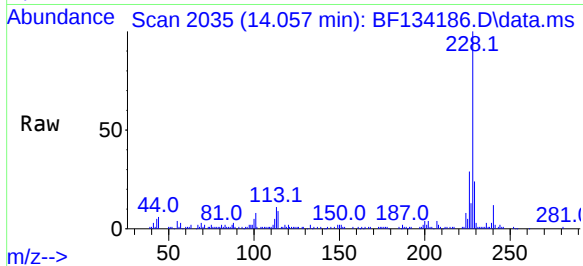




#83
Chrysene
Concen: 3.029 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

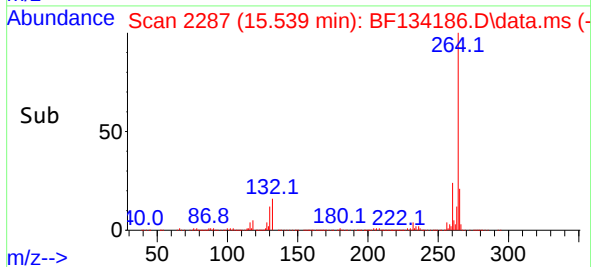
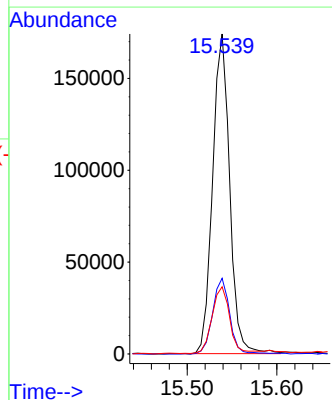
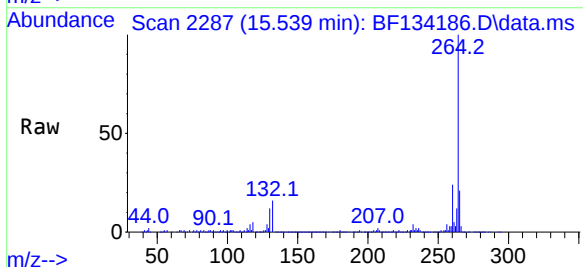
Instrument :
BNA_F
ClientSampleId :
CP-1

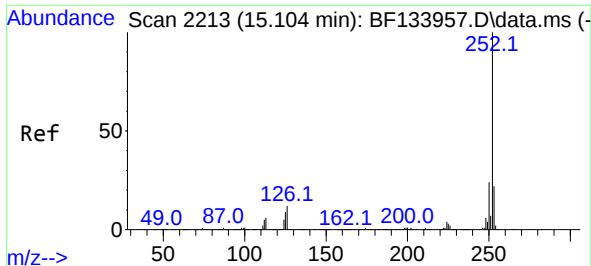
Tgt Ion:228 Resp: 38458
Ion Ratio Lower Upper
228 100
226 28.7 24.4 36.6
229 23.6 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:264 Resp: 230011
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.0 16.6 25.0

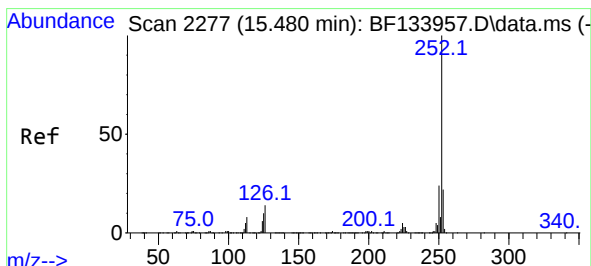
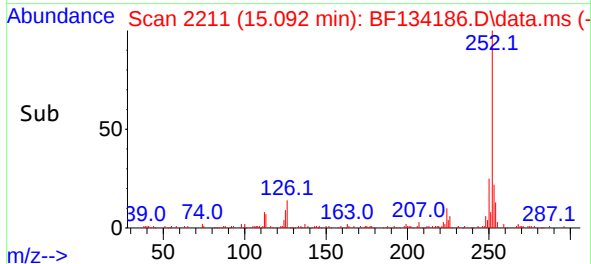
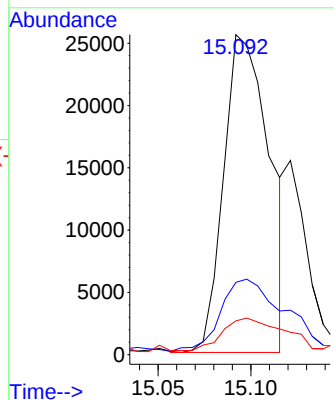
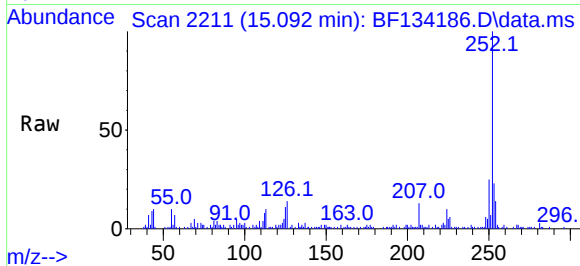




#88
Benzo(b)fluoranthene
Concen: 3.240 ng m
RT: 15.092 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Instrument :
BNA_F
ClientSampleId :
CP-1

Tgt Ion:252 Resp: 43824
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.6 7.1 10.7



#90
Benzo(a)pyrene
Concen: 2.956 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:252 Resp: 38664
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.5 8.4 12.6

