

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128794.D
 Acq On : 13 Jun 2022 20:16
 Operator : CG\JU
 Sample : N3304-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-10-G

Quant Time: Jun 14 01:57:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

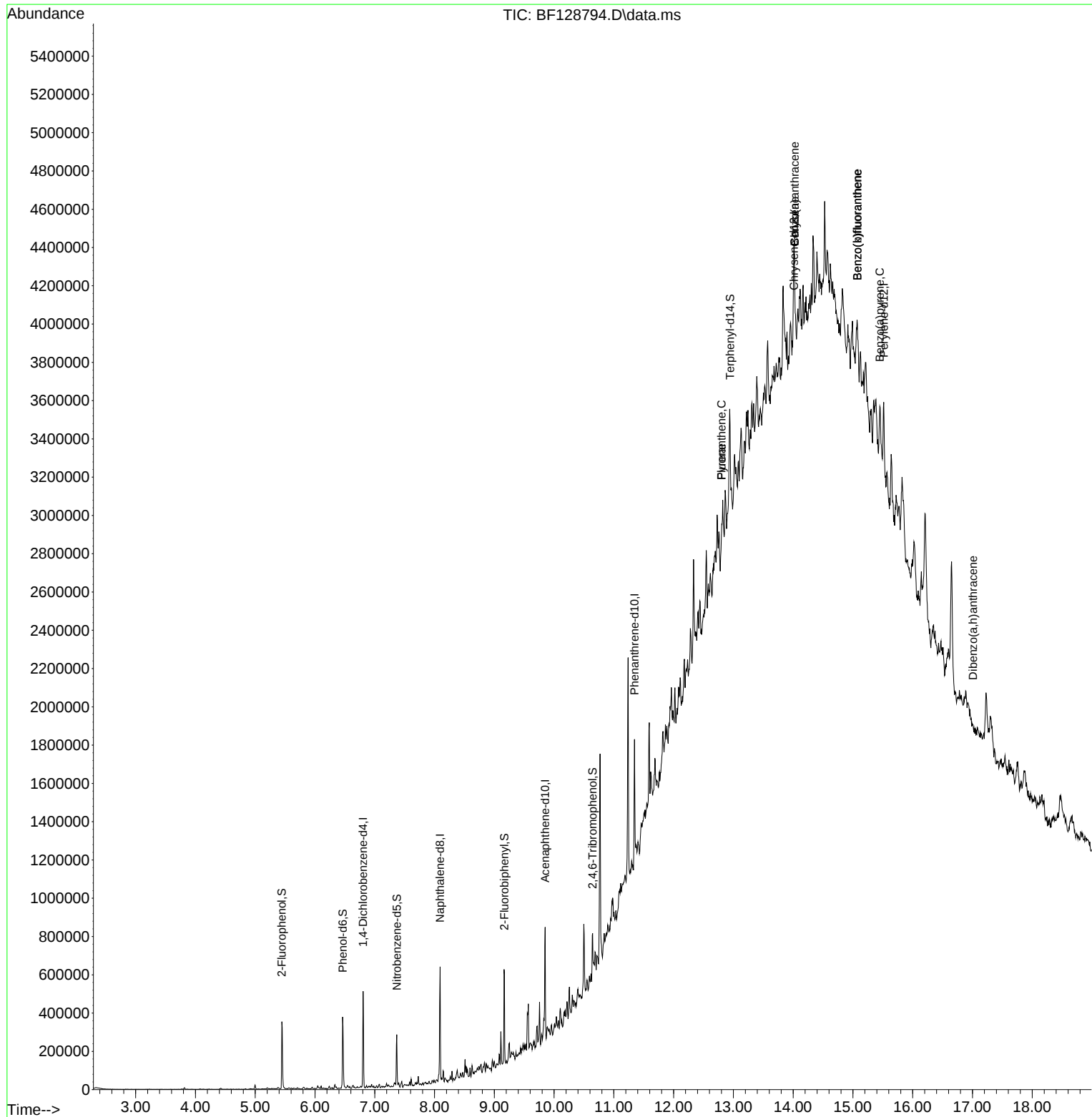
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	66859	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	219051	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	103788	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	178162	20.000	ng	0.00
76) Chrysene-d12	14.016	240	118493	20.000	ng	# 0.03
86) Perylene-d12	15.515	264	92268	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	94633	22.545	ng	-0.01
7) Phenol-d6	6.463	99	112745	22.004	ng	-0.02
23) Nitrobenzene-d5	7.369	82	72769	15.467	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	27740	22.621	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	142531	19.237	ng	0.00
79) Terphenyl-d14	12.945	244	147211	21.588	ng	0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.804	202	56247	6.021	ng	78
78) Pyrene	12.804	202	56760	6.438	ng	# 84
81) Benzo(a)anthracene	14.027	228	83615	11.321	ng	# 52
83) Chrysene	14.027	228	83615	11.874	ng	# 57
88) Benzo(b)fluoranthene	15.074	252	28952	4.911	ng	# 1
89) Benzo(k)fluoranthene	15.074	252	28952	5.220	ng	# 1
90) Benzo(a)pyrene	15.451	252	16560	3.574	ng	# 1
91) Dibenzo(a,h)anthracene	17.009	278	9324	2.021	ng	# 1

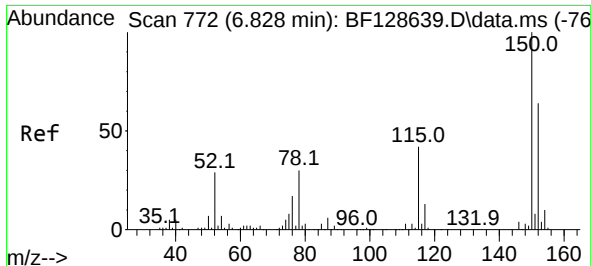
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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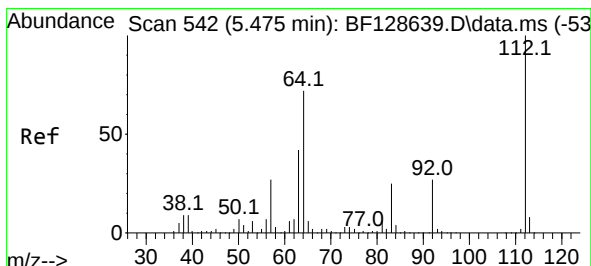
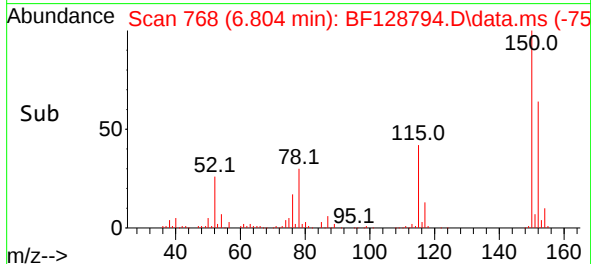
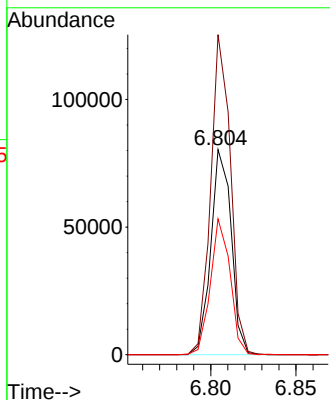
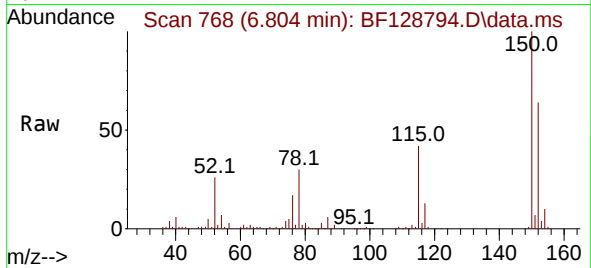




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

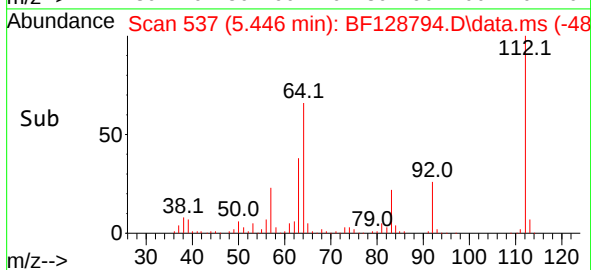
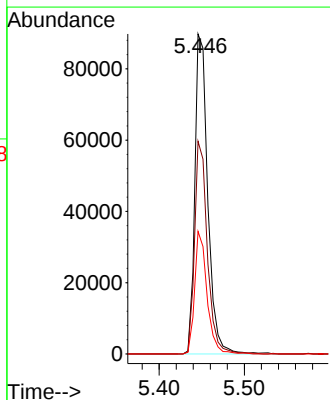
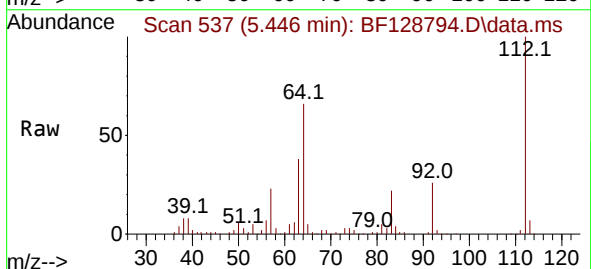
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-10-G

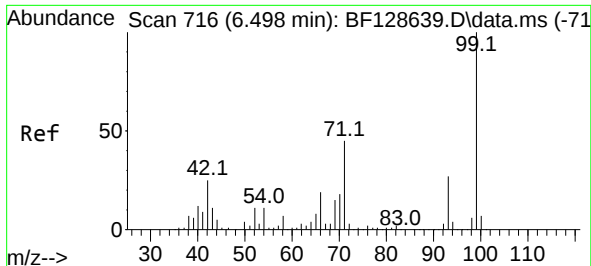
Tgt Ion:152 Resp: 66859
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 66.2 49.9 74.9



#5
2-Fluorophenol
Concen: 22.545 ng
RT: 5.446 min Scan# 537
Delta R.T. -0.012 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

Tgt Ion:112 Resp: 94633
Ion Ratio Lower Upper
112 100
64 66.5 53.3 79.9
63 38.3 28.0 42.0

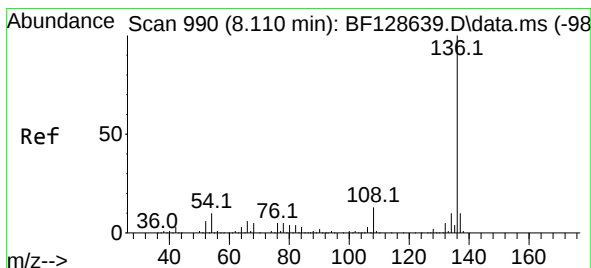
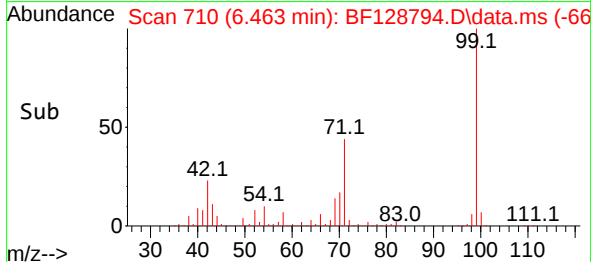
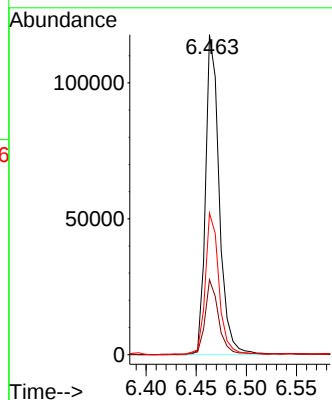
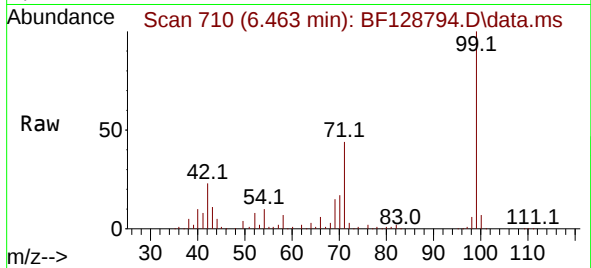




#7
Phenol-d6
Concen: 22.004 ng
RT: 6.463 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

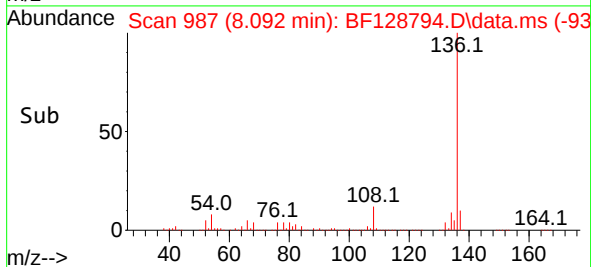
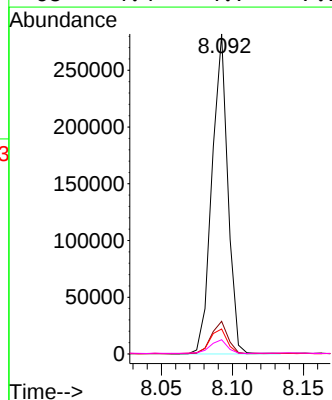
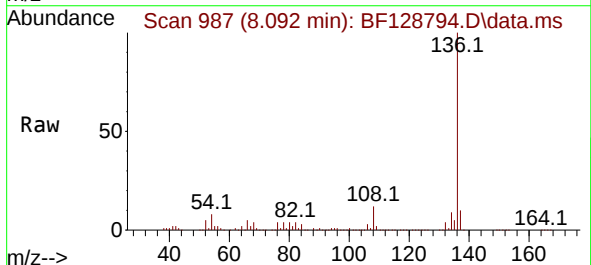
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-10-G

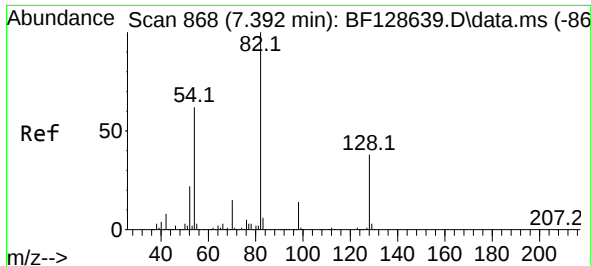
Tgt Ion: 99 Resp: 112745
Ion Ratio Lower Upper
99 100
42 23.4 17.3 25.9
71 44.3 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

Tgt Ion: 136 Resp: 219051
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 7.8 7.5 11.3
68 4.4 4.7 7.1#

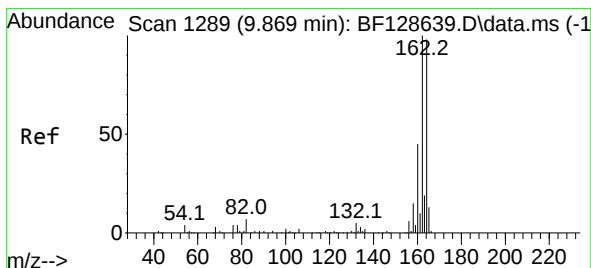
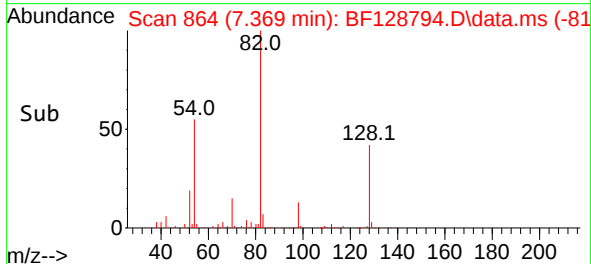
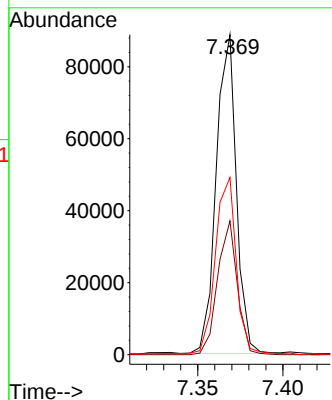
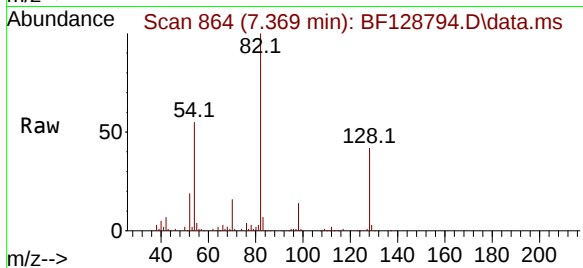




#23
Nitrobenzene-d5
Concen: 15.467 ng
RT: 7.369 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

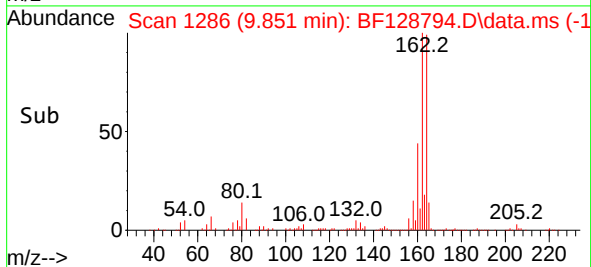
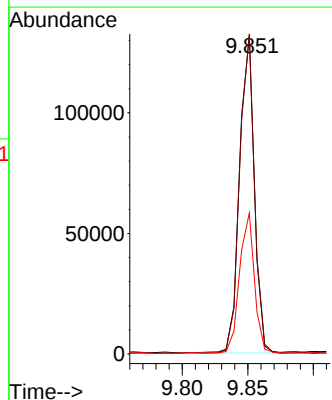
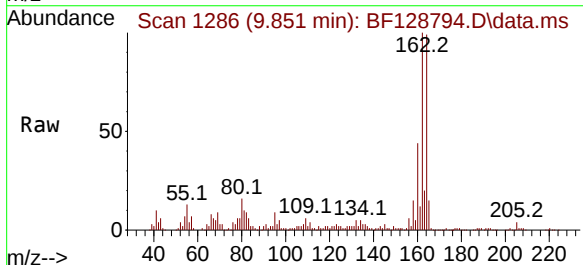
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-10-G

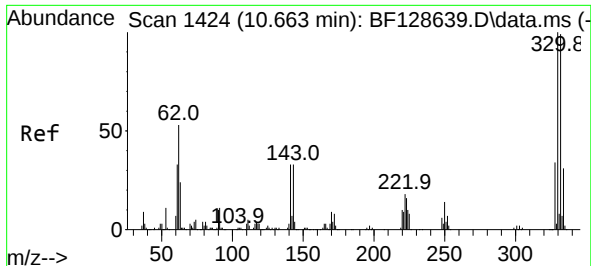
Tgt Ion: 82 Resp: 72769
Ion Ratio Lower Upper
82 100
128 41.8 34.0 51.0
54 55.4 46.9 70.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

Tgt Ion:164 Resp: 103788
Ion Ratio Lower Upper
164 100
162 100.7 79.5 119.3
160 44.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 22.621 ng

RT: 10.645 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF128794.D

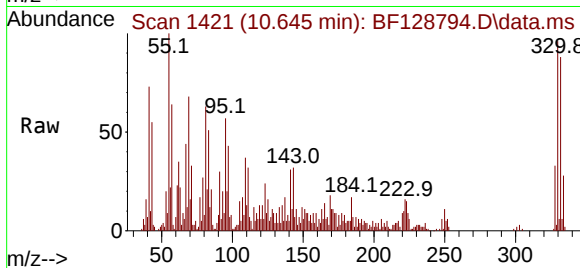
Acq: 13 Jun 2022 20:16

Instrument :

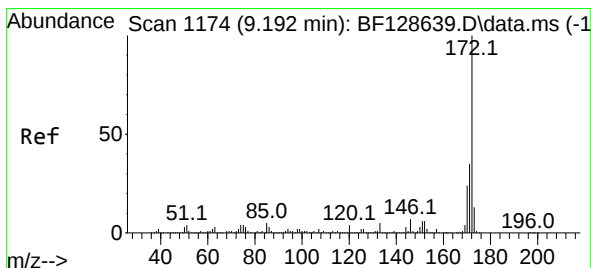
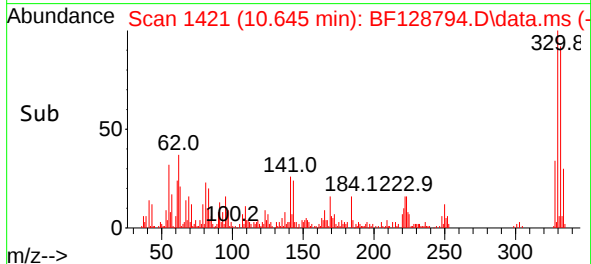
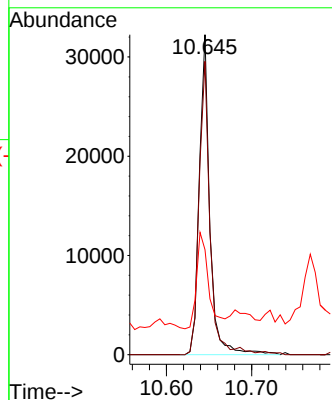
BNA_F

ClientSampleId :

WC-14A-1A-10-G



Tgt Ion:	330	Resp:	27740
Ion Ratio	Lower	Upper	
330	100		
332	94.6	76.8	115.2
141	34.5	28.0	42.0



#45

2-Fluorobiphenyl

Concen: 19.237 ng

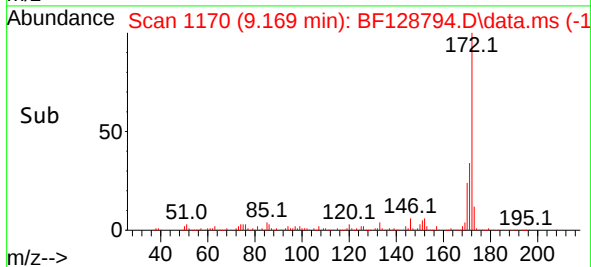
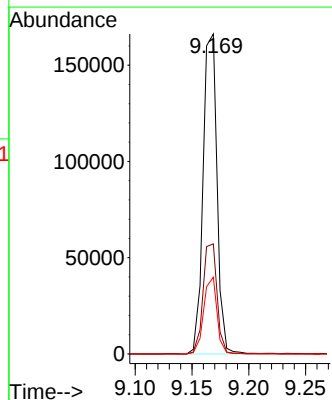
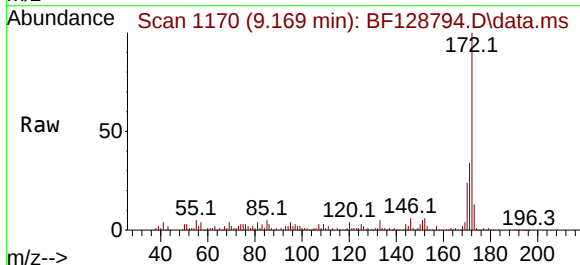
RT: 9.169 min Scan# 1170

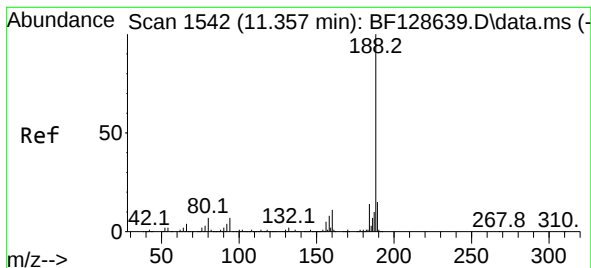
Delta R.T. -0.006 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

Tgt Ion:	172	Resp:	142531
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.8	43.2
170	24.0	19.8	29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-10-G

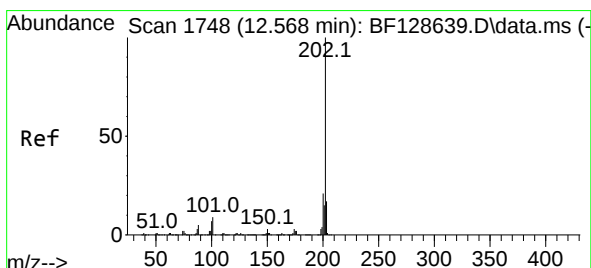
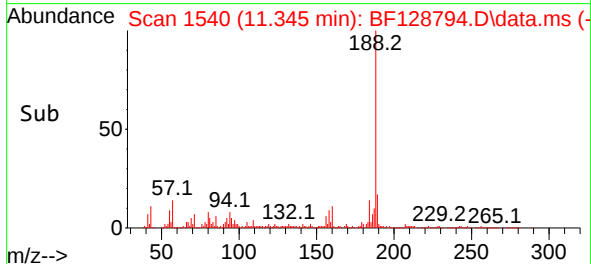
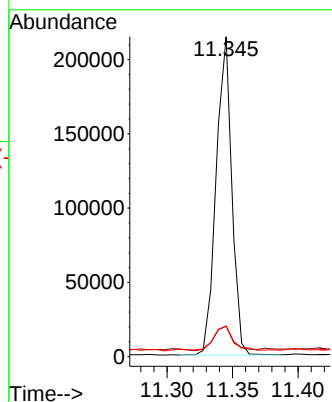
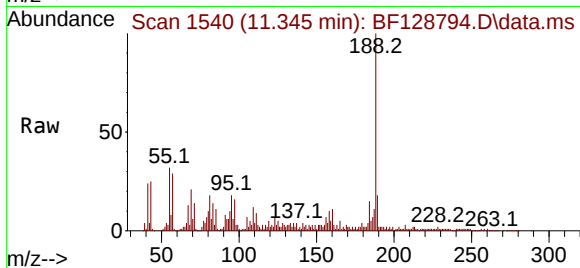
Tgt Ion:188 Resp: 178162

Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.6

80 9.6 7.6 11.4



#75

Fluoranthene

Concen: 6.021 ng

RT: 12.804 min Scan# 1788

Delta R.T. 0.247 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

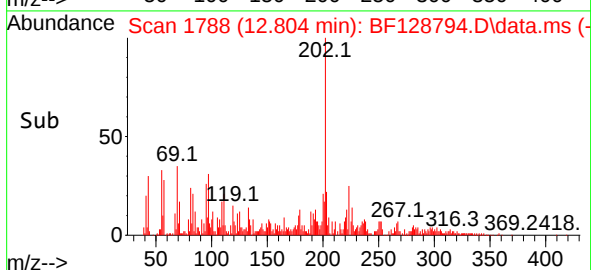
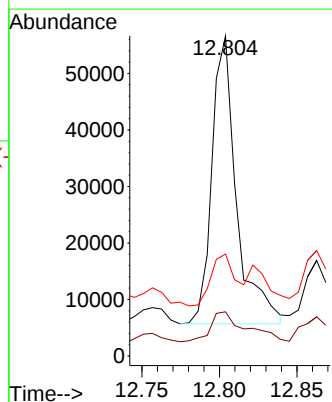
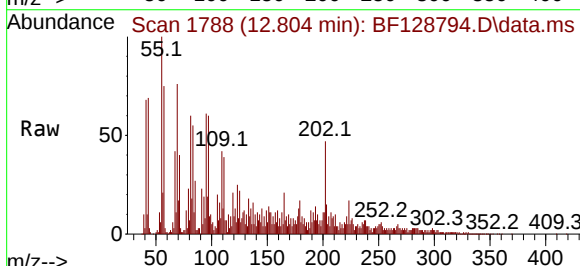
Tgt Ion:202 Resp: 56247

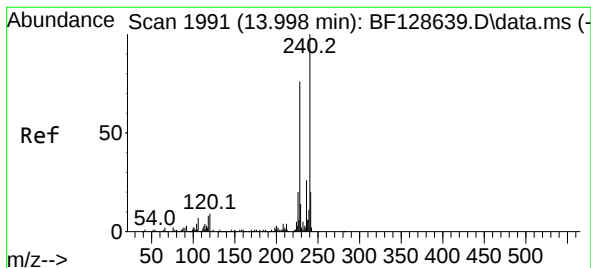
Ion Ratio Lower Upper

202 100

101 13.8 0.0 31.4

203 31.9 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 1991

Delta R.T. 0.029 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

Instrument :

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ClientSampleId :

WC-14A-1A-10-G

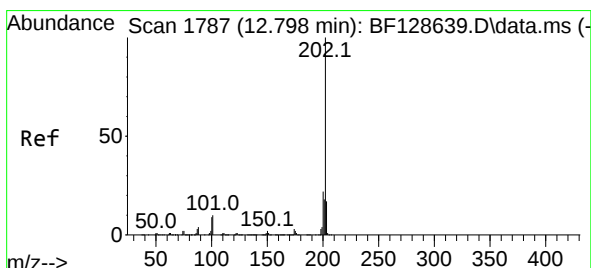
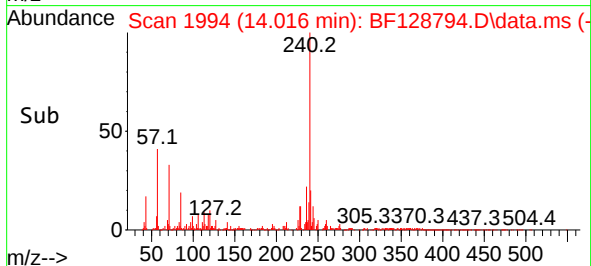
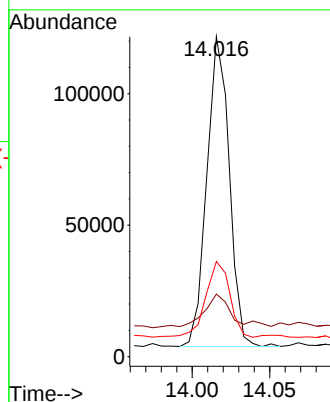
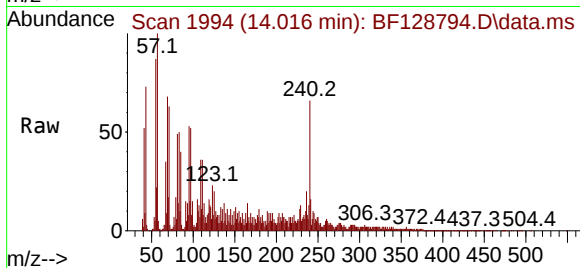
Tgt Ion:240 Resp: 118493

Ion Ratio Lower Upper

240 100

120 19.5 8.9 13.3#

236 29.8 20.8 31.2



#78

Pyrene

Concen: 6.438 ng

RT: 12.804 min Scan# 1788

Delta R.T. 0.017 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

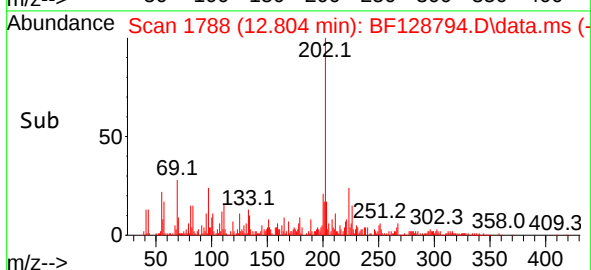
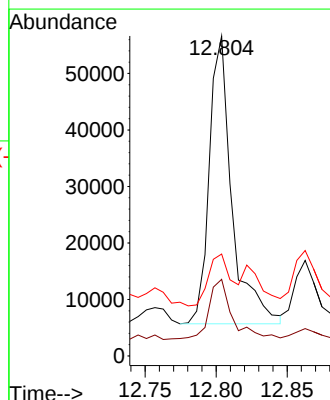
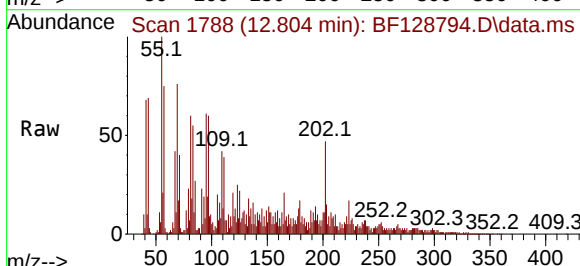
Tgt Ion:202 Resp: 56760

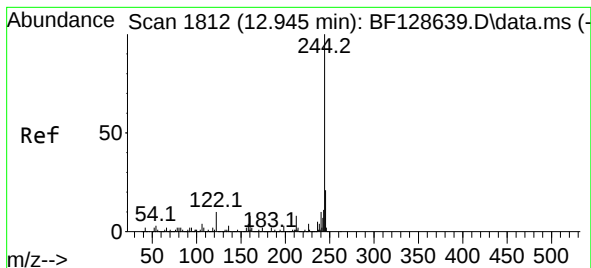
Ion Ratio Lower Upper

202 100

200 23.9 17.7 26.5

203 31.9 14.6 21.8#





#79

Terphenyl-d14

Concen: 21.588 ng

RT: 12.945 min Scan# 1812

Delta R.T. 0.012 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-10-G

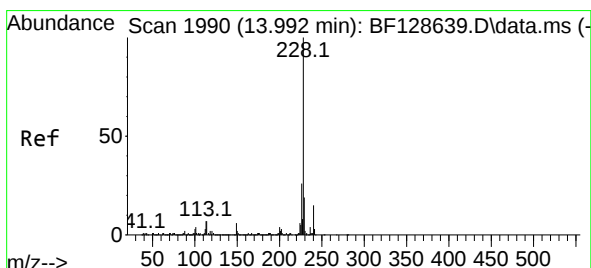
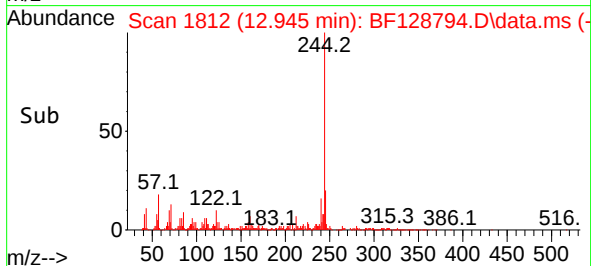
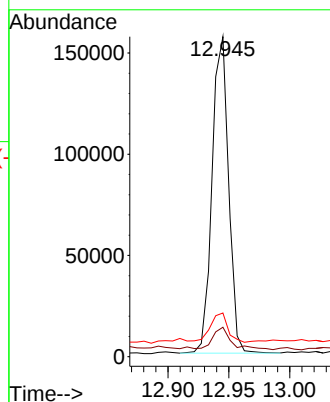
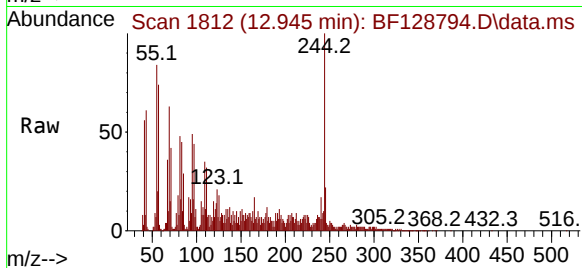
Tgt Ion:244 Resp: 147211

Ion Ratio Lower Upper

244 100

212 9.2 6.1 9.1#

122 13.6 8.8 13.2#



#81

Benzo(a)anthracene

Concen: 11.321 ng

RT: 14.027 min Scan# 1996

Delta R.T. 0.053 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

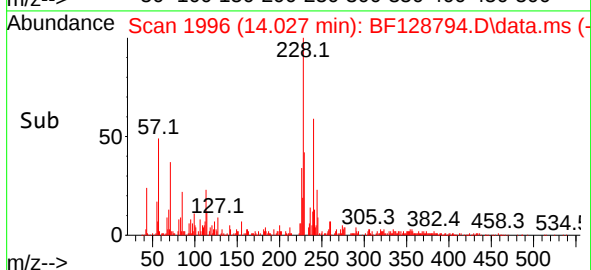
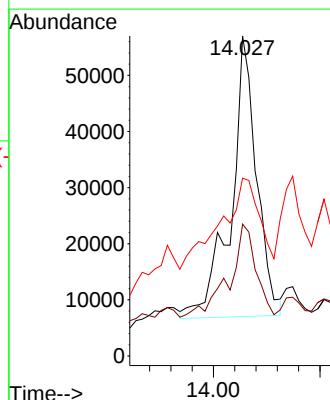
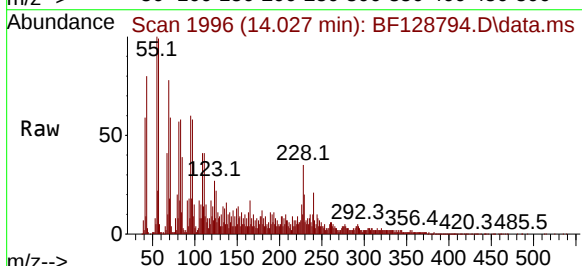
Tgt Ion:228 Resp: 83615

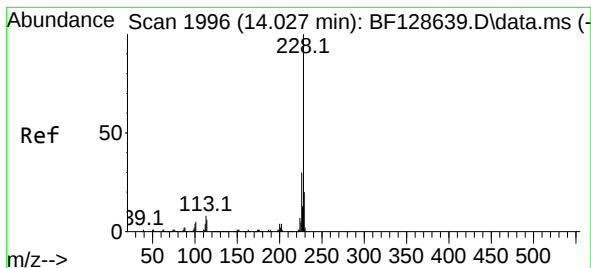
Ion Ratio Lower Upper

228 100

226 41.2 22.1 33.1#

229 55.5 15.8 23.8#





#83

Chrysene

Concen: 11.874 ng

RT: 14.027 min Scan# 1996

Delta R.T. 0.012 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-10-G

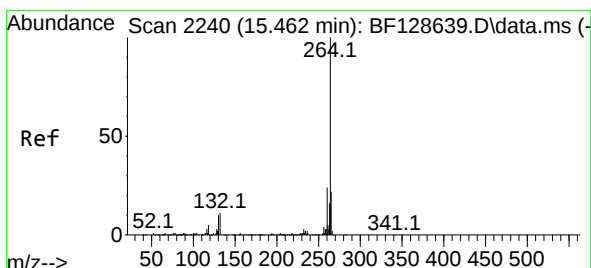
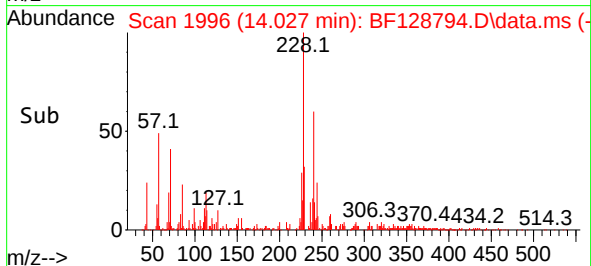
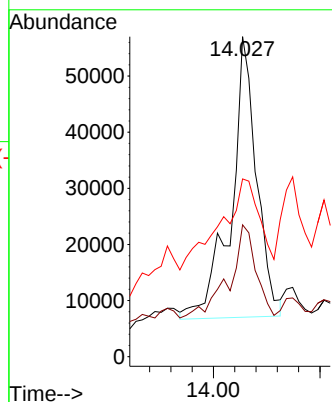
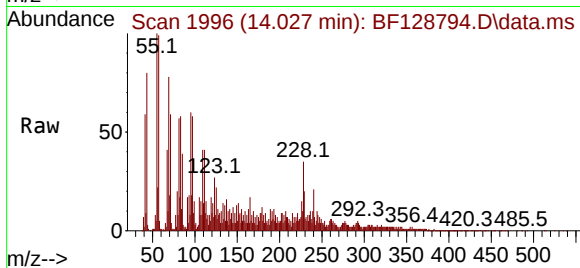
Tgt Ion:228 Resp: 83615

Ion Ratio Lower Upper

228 100

226 41.2 24.3 36.5#

229 55.5 15.9 23.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2249

Delta R.T. 0.070 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

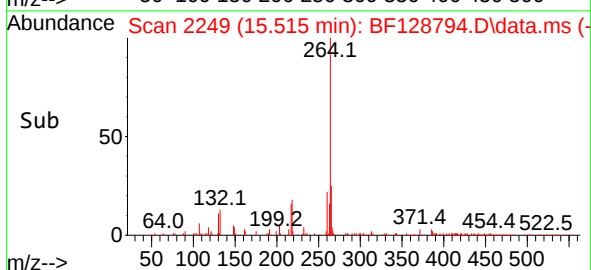
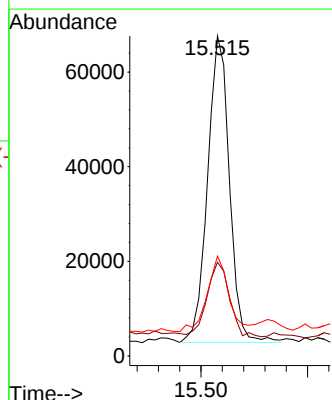
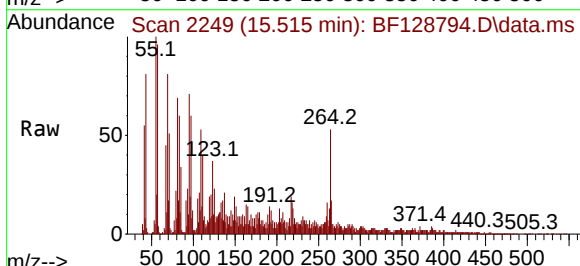
Tgt Ion:264 Resp: 92268

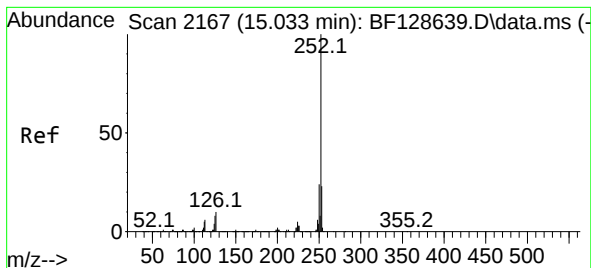
Ion Ratio Lower Upper

264 100

260 29.3 18.4 27.6#

265 31.2 17.2 25.8#





#88

Benzo(b)fluoranthene

Concen: 4.911 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.053 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-10-G

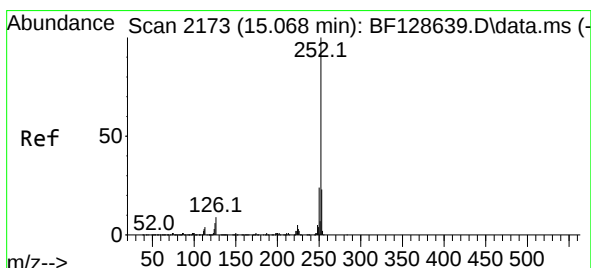
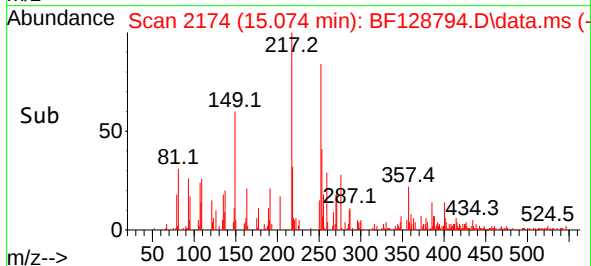
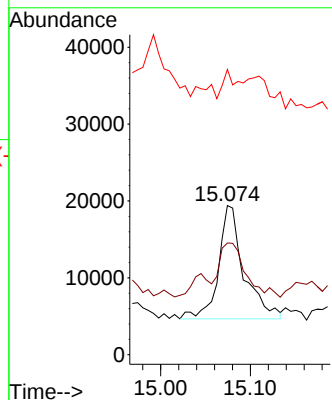
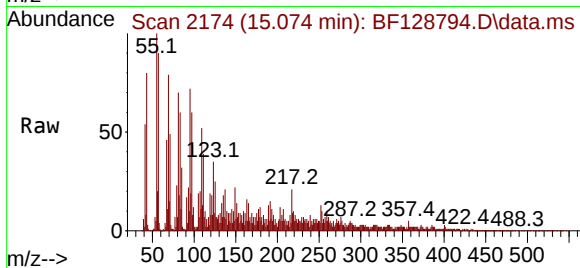
Tgt Ion:252 Resp: 28952

Ion Ratio Lower Upper

252 100

253 74.9 17.7 26.5#

125 191.3 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.220 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.023 min

Lab File: BF128794.D

Acq: 13 Jun 2022 20:16

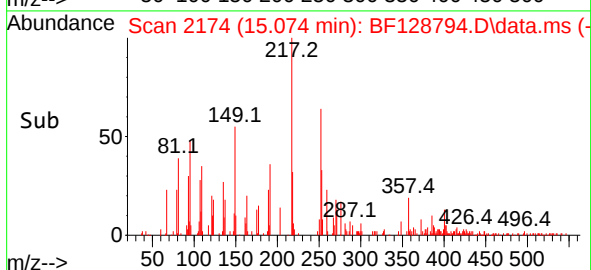
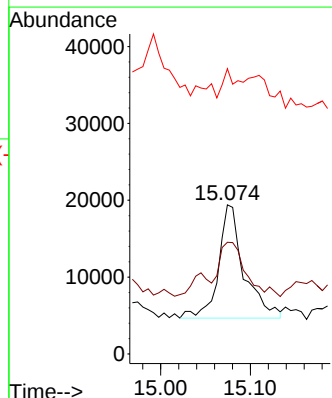
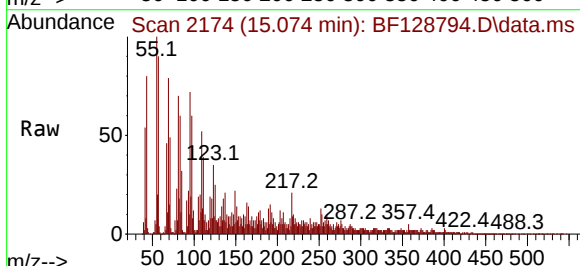
Tgt Ion:252 Resp: 28952

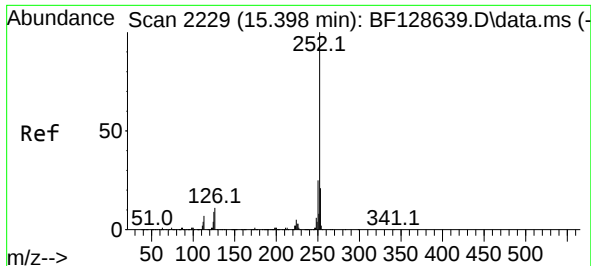
Ion Ratio Lower Upper

252 100

253 74.9 17.8 26.6#

125 191.3 8.3 12.5#

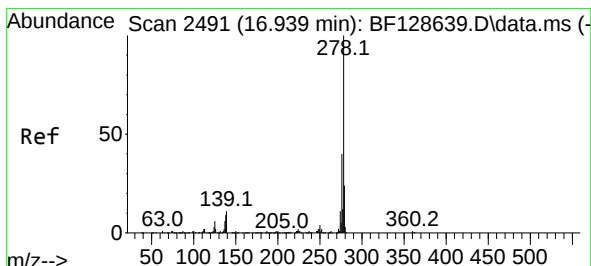
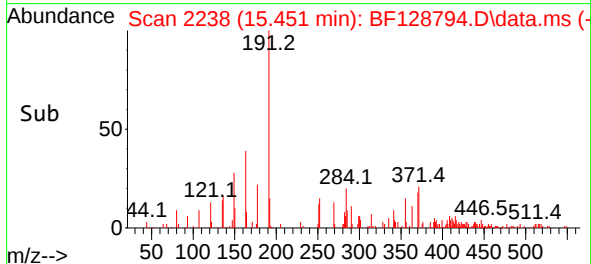
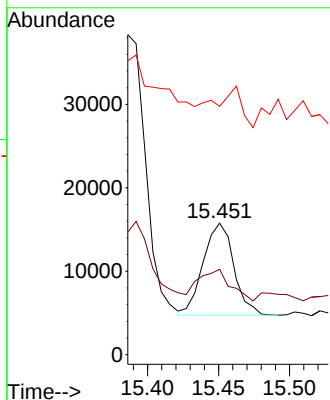
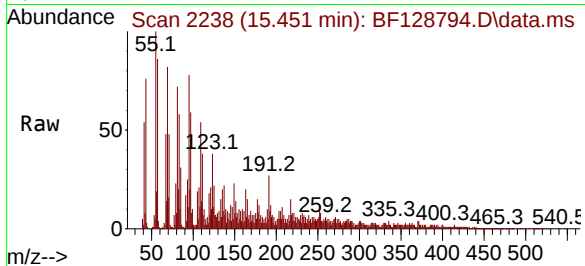




#90
Benzo(a)pyrene
Concen: 3.574 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-10-G

Tgt Ion:252 Resp: 16560
Ion Ratio Lower Upper
252 100
253 65.0 17.0 25.6#
125 188.9 8.8 13.2#



#91
Dibenzo(a,h)anthracene
Concen: 2.021 ng
RT: 17.009 min Scan# 2503
Delta R.T. 0.094 min
Lab File: BF128794.D
Acq: 13 Jun 2022 20:16

Tgt Ion:278 Resp: 9324
Ion Ratio Lower Upper
278 100
139 176.6 12.8 19.2#
279 80.9 18.6 28.0#

