

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139192.D
 Acq On : 27 Aug 2024 17:52
 Operator : RC/JU
 Sample : P3739-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Aug 28 00:48:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

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

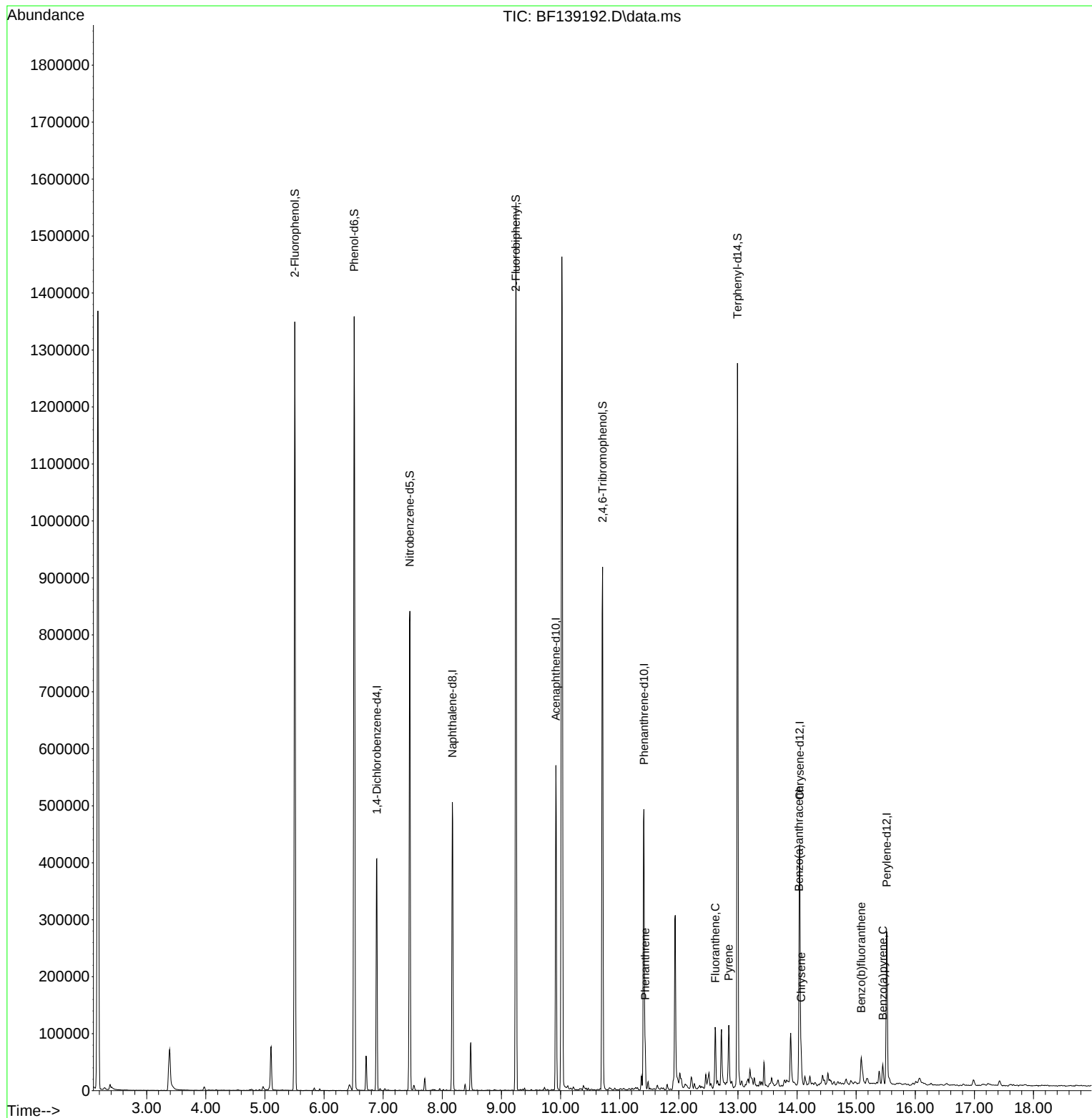
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	81460	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	294015	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161290	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	254014	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178281	20.000	ng	0.00
86) Perylene-d12	15.516	264	152902	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	454557	93.766	ng	0.00
7) Phenol-d6	6.510	99	600547	90.265	ng	-0.01
23) Nitrobenzene-d5	7.451	82	381546	71.893	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	140020	101.363	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	623141	60.014	ng	0.00
79) Terphenyl-d14	12.992	244	594715	52.050	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	40590	3.162	ng	100
75) Fluoranthene	12.616	202	57685	4.631	ng	99
78) Pyrene	12.845	202	58451	3.490	ng	98
81) Benzo(a)anthracene	14.033	228	34320	2.905	ng	98
83) Chrysene	14.069	228	30480m	2.860	ng	
88) Benzo(b)fluoranthene	15.086	252	30388m	3.397	ng	
90) Benzo(a)pyrene	15.451	252	20174	2.657	ng	98

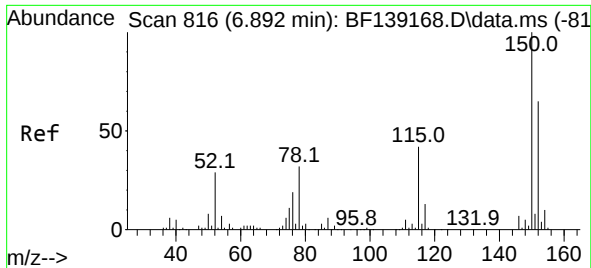
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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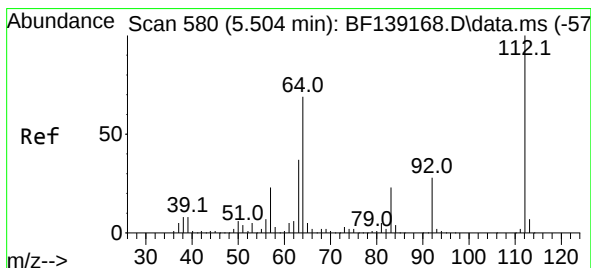
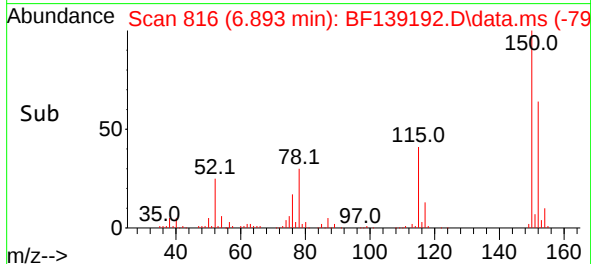
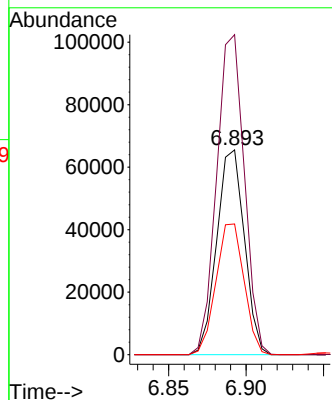
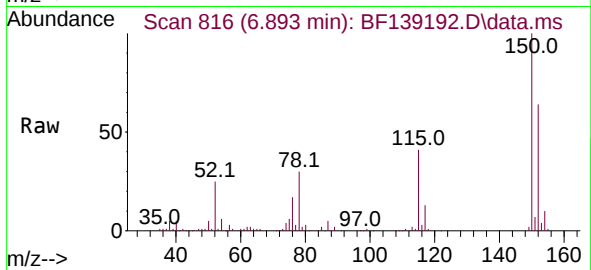




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

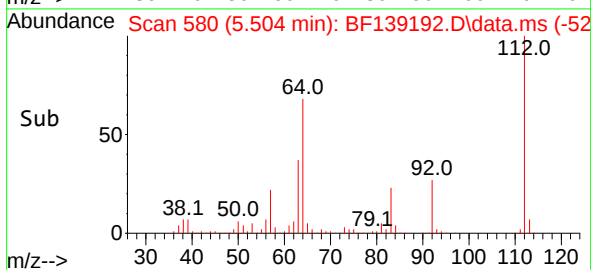
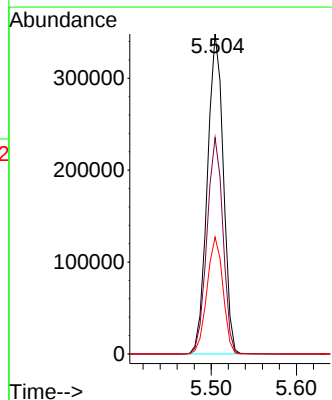
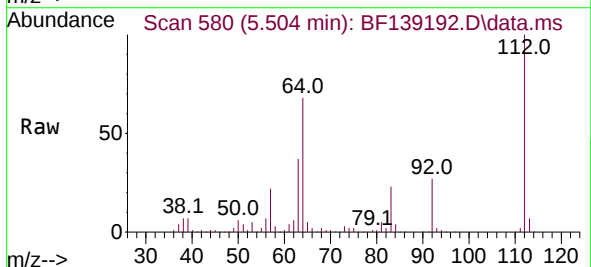
Instrument :
BNA_F
ClientSampleId :
WC-4

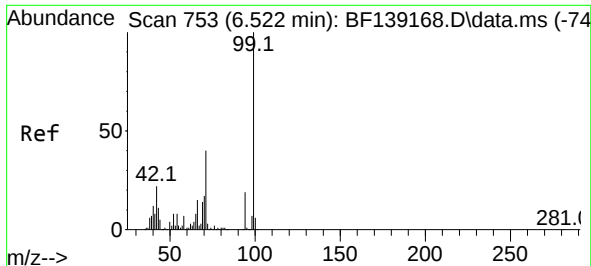
Tgt Ion:152 Resp: 81460
Ion Ratio Lower Upper
152 100
150 156.2 123.7 185.5
115 63.8 51.8 77.8



#5
2-Fluorophenol
Concen: 93.766 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:112 Resp: 454557
Ion Ratio Lower Upper
112 100
64 67.6 55.5 83.3
63 36.5 29.8 44.6





#7
Phenol-d6
Concen: 90.265 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

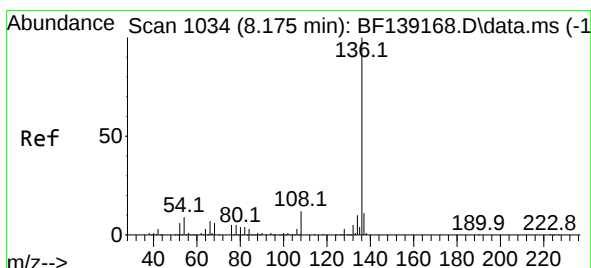
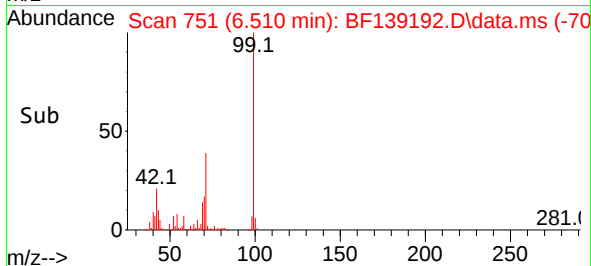
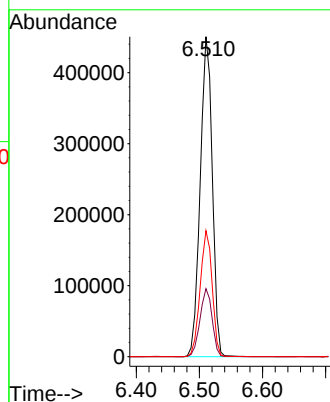
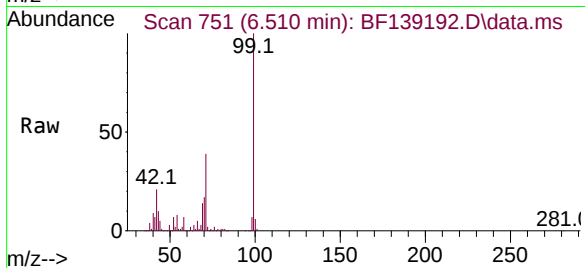
Instrument :

BNA_F

ClientSampleId :

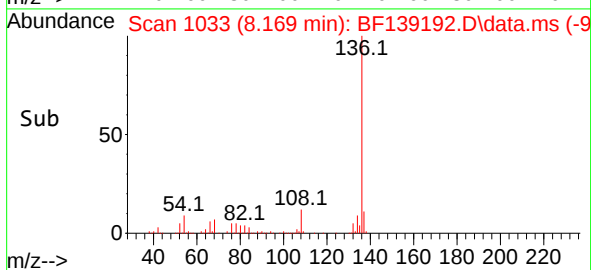
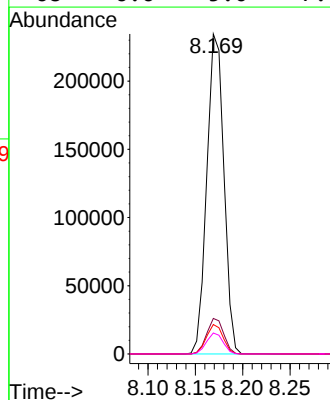
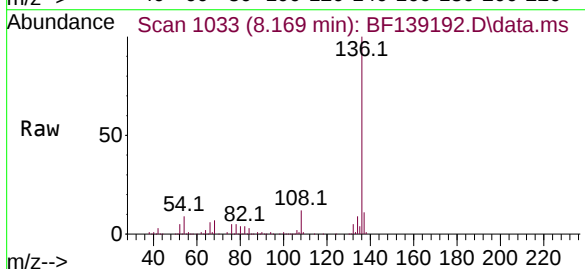
WC-4

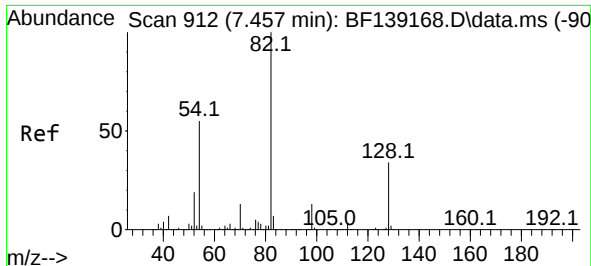
Tgt Ion: 99 Resp: 600547
Ion Ratio Lower Upper
99 100
42 21.3 17.9 26.9
71 39.4 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion: 136 Resp: 294015
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.2 7.6 11.4
68 6.6 5.0 7.6





#23

Nitrobenzene-d5

Concen: 71.893 ng

RT: 7.451 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

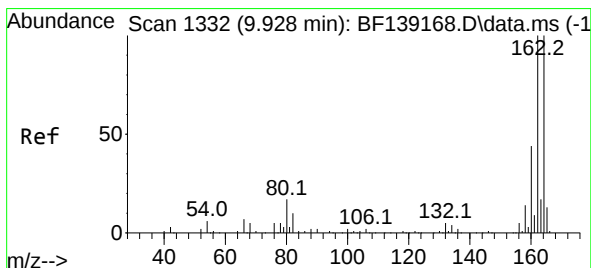
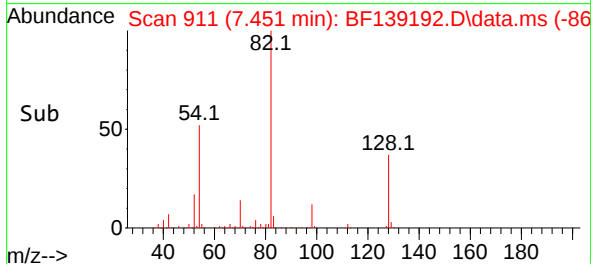
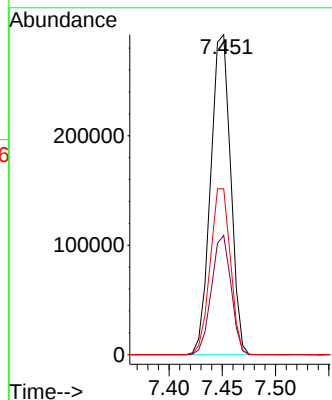
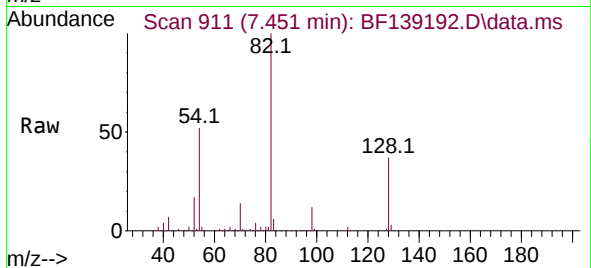
Tgt Ion: 82 Resp: 381546

Ion Ratio Lower Upper

82 100

128 37.3 27.1 40.7

54 51.9 44.2 66.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

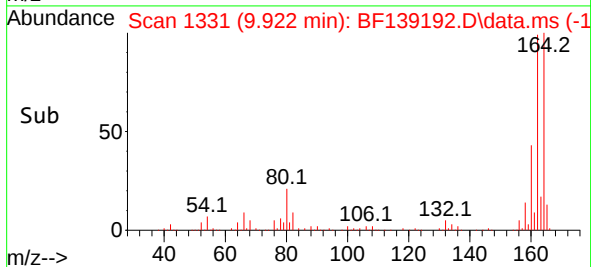
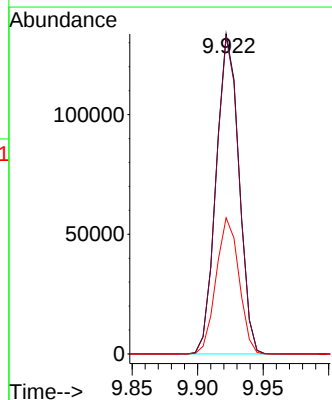
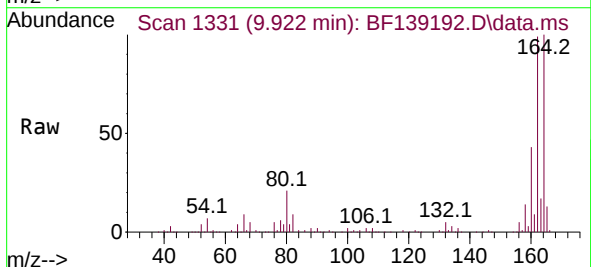
Tgt Ion:164 Resp: 161290

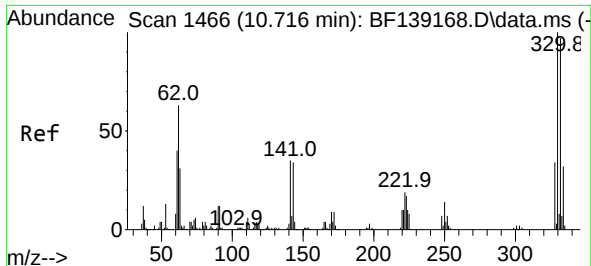
Ion Ratio Lower Upper

164 100

162 99.1 80.0 120.0

160 42.5 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 101.363 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139192.D

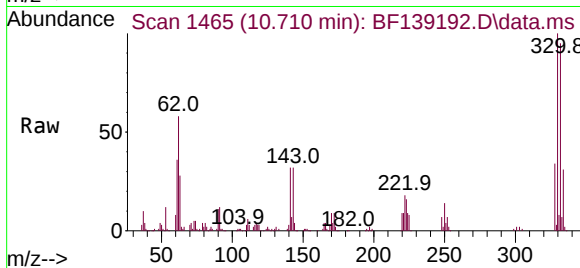
Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4



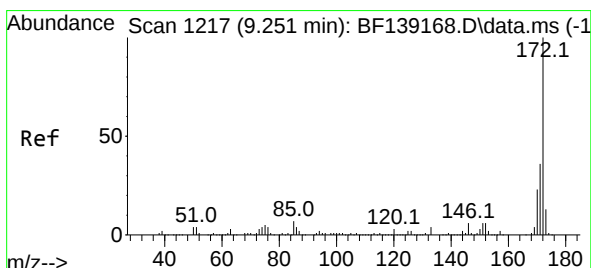
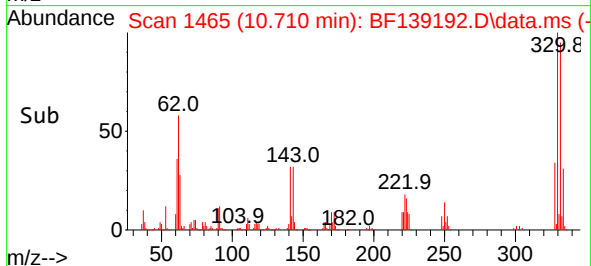
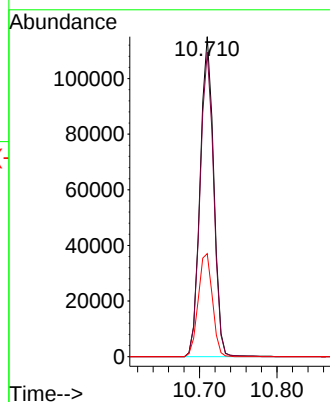
Tgt Ion:330 Resp: 140020

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 33.5 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 60.014 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

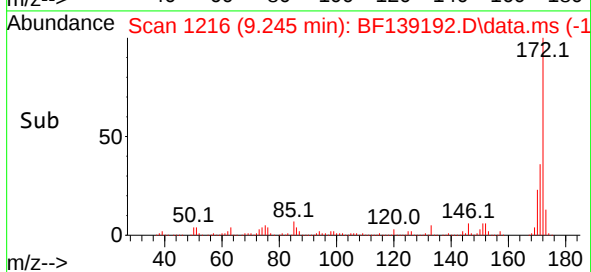
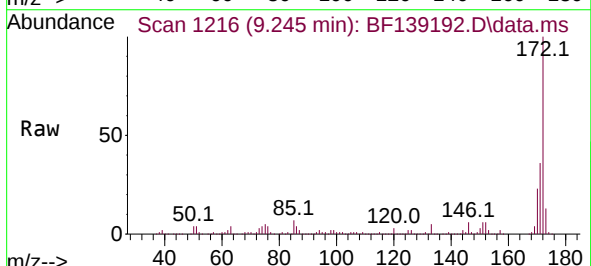
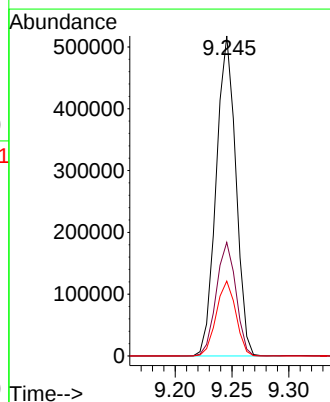
Tgt Ion:172 Resp: 623141

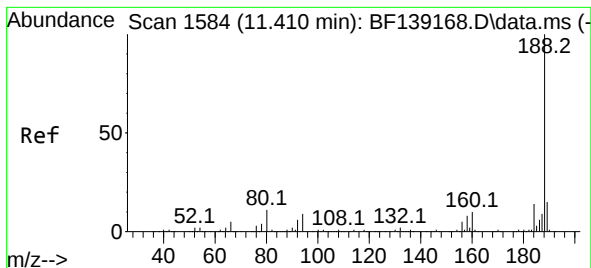
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.4 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

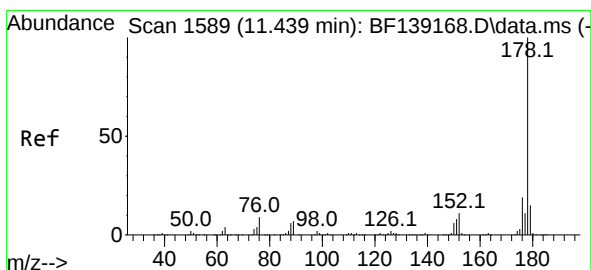
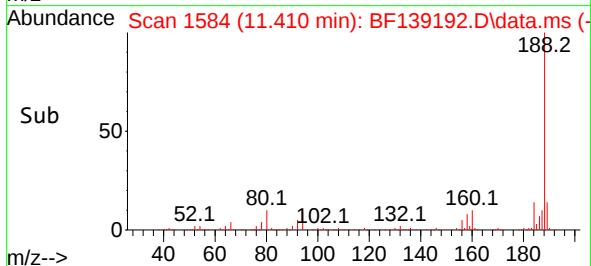
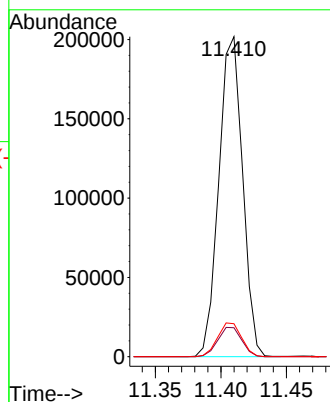
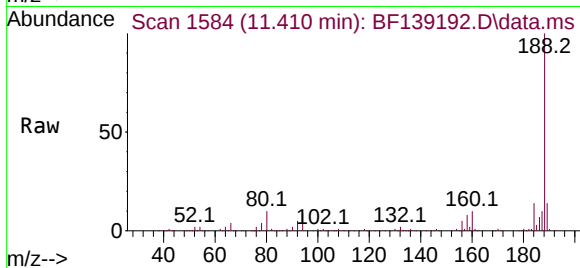
Tgt Ion:188 Resp: 254014

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

80 10.3 8.9 13.3



#71

Phenanthrene

Concen: 3.162 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

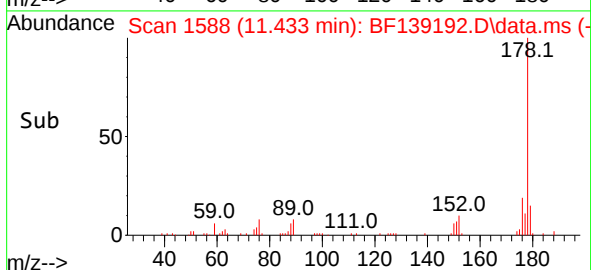
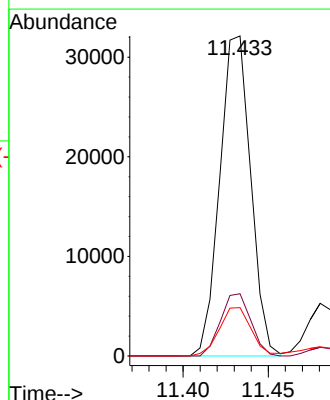
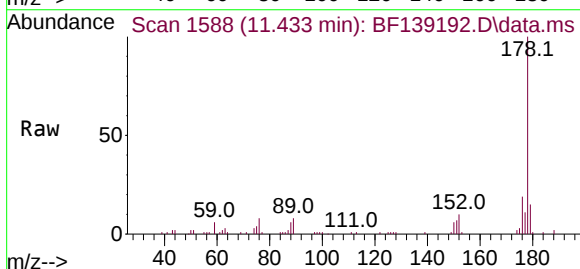
Tgt Ion:178 Resp: 40590

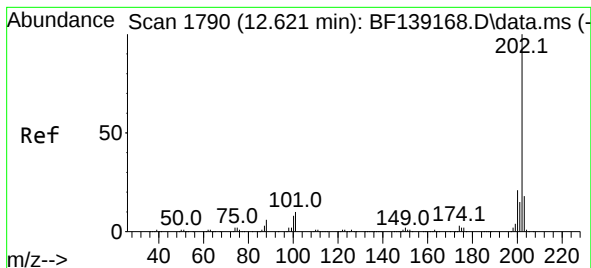
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 15.1 12.2 18.4





#75

Fluoranthene

Concen: 4.631 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

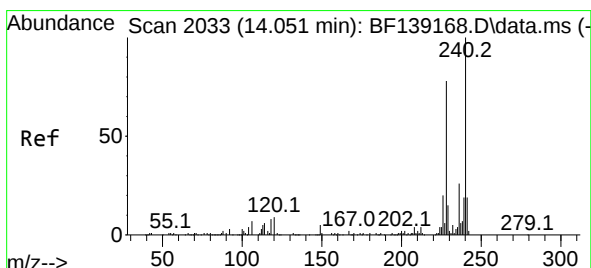
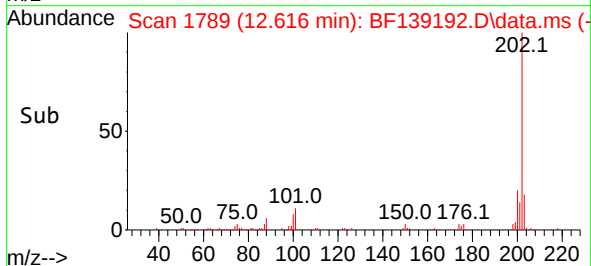
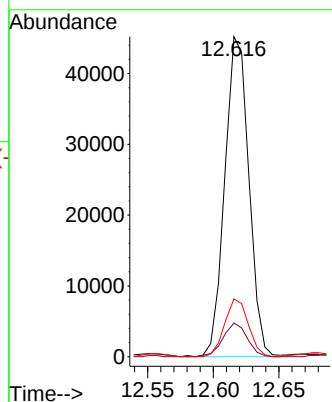
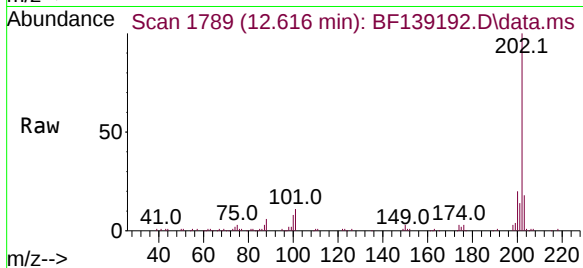
Tgt Ion:202 Resp: 57685

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.1

203 18.1 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

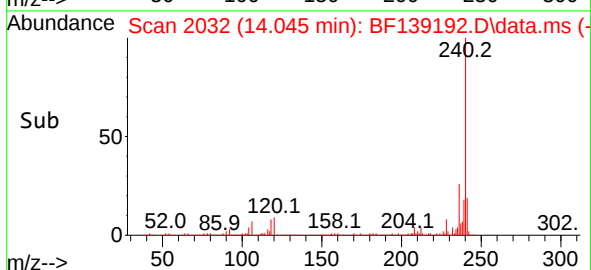
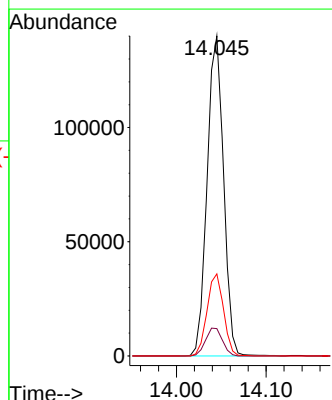
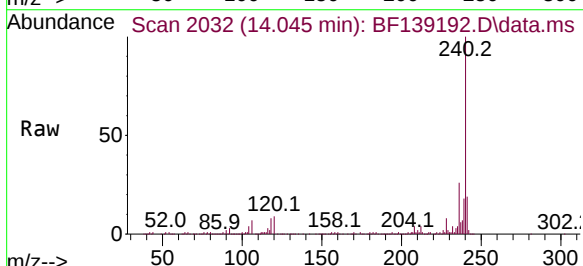
Tgt Ion:240 Resp: 178281

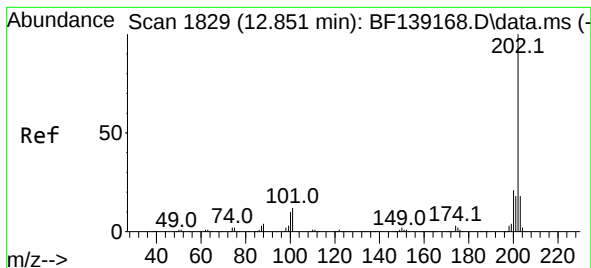
Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 25.6 20.9 31.3





#78

Pyrene

Concen: 3.490 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

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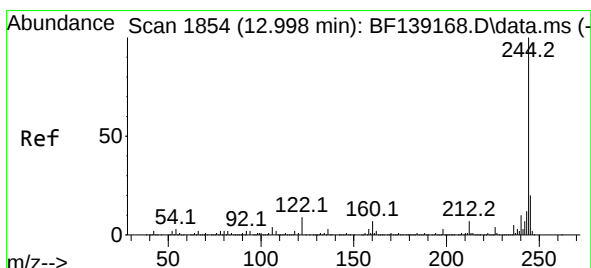
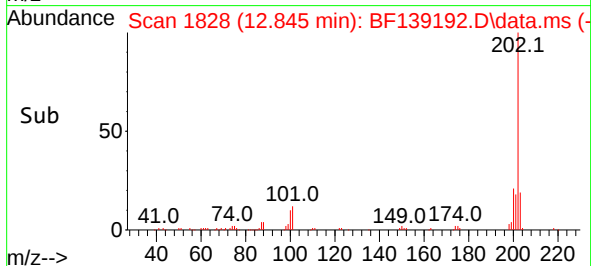
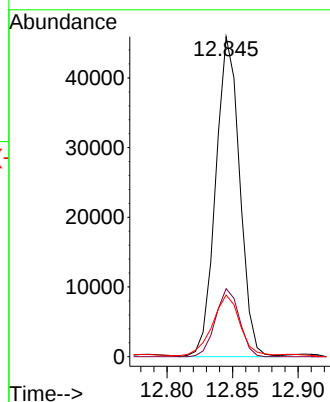
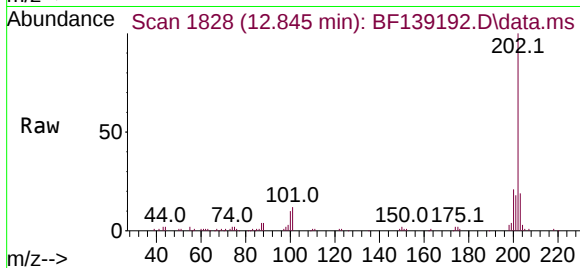
Tgt Ion:202 Resp: 58451

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 19.2 14.1 21.1



#79

Terphenyl-d14

Concen: 52.050 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

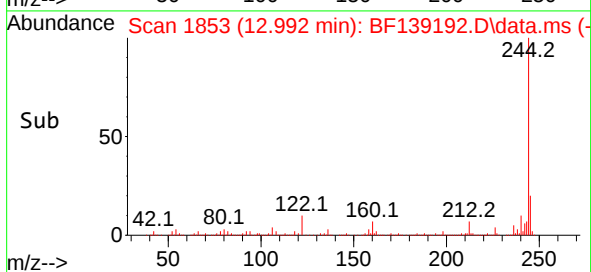
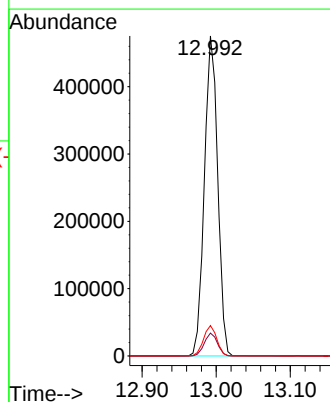
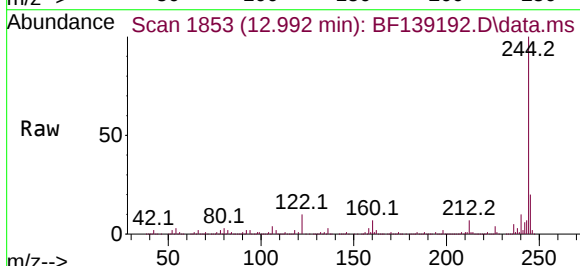
Tgt Ion:244 Resp: 594715

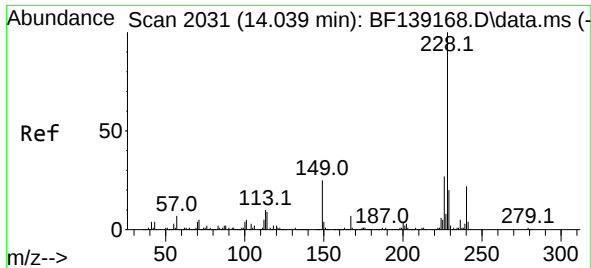
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.5 7.6 11.4

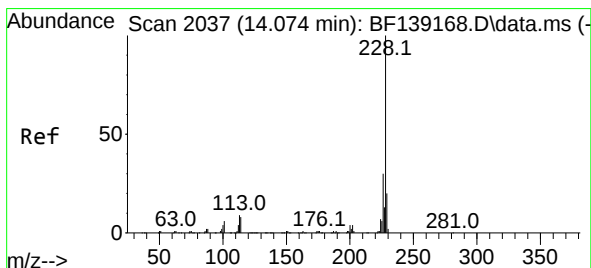
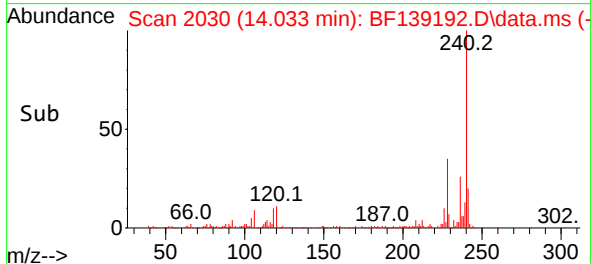
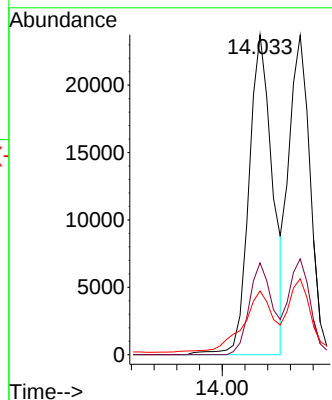
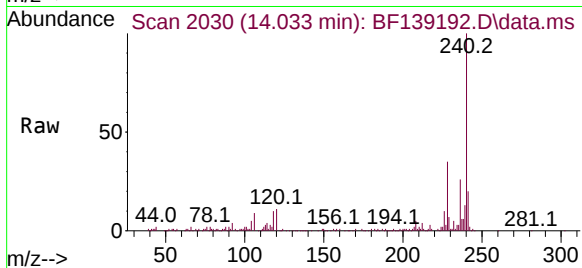




#81
Benzo(a)anthracene
Concen: 2.905 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

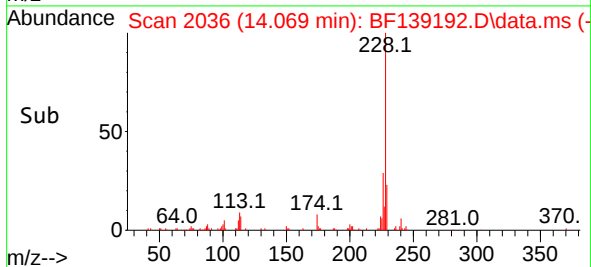
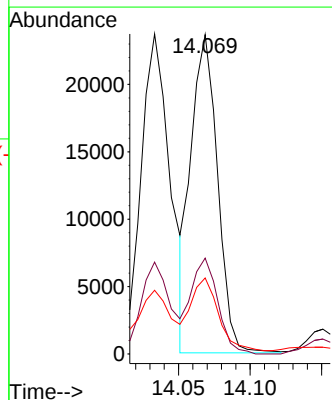
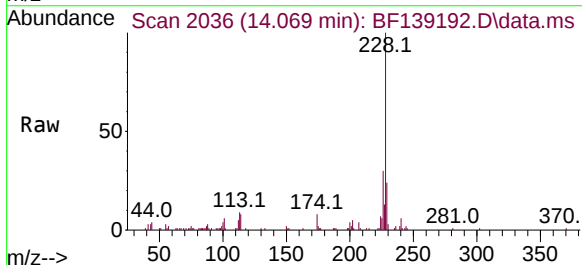
Instrument :
BNA_F
ClientSampleId :
WC-4

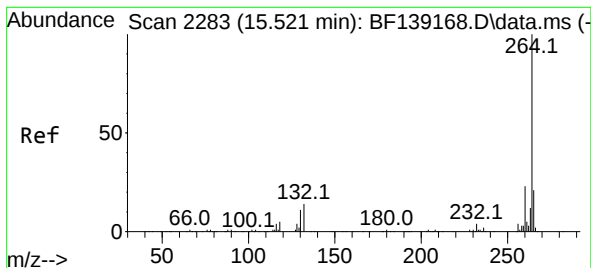
Tgt Ion:228 Resp: 34320
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.2
229 19.9 15.7 23.5



#83
Chrysene
Concen: 2.860 ng m
RT: 14.069 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:228 Resp: 30480
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 23.8 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

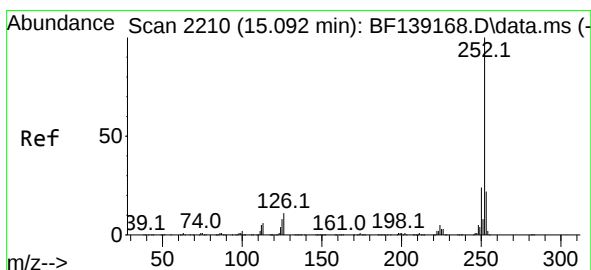
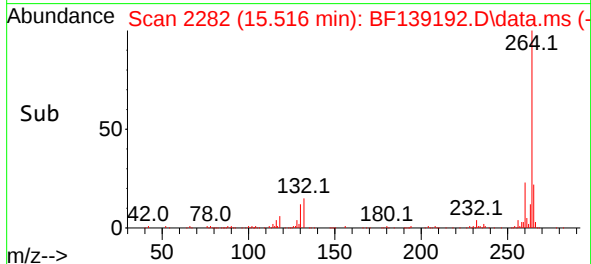
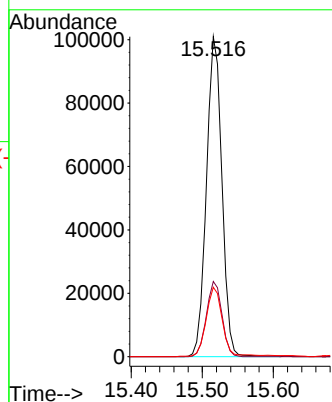
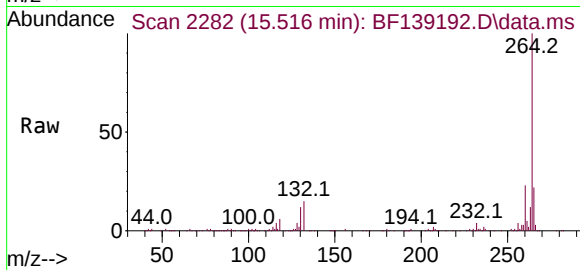
Tgt Ion:264 Resp: 152902

Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 21.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.397 ng m

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

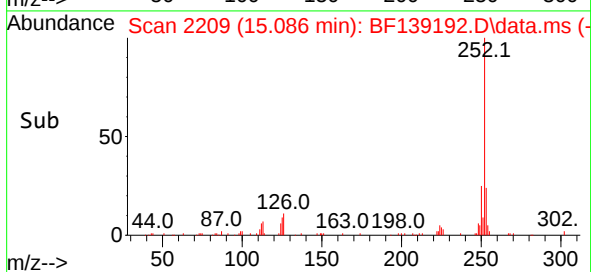
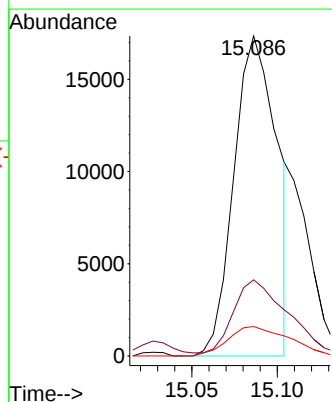
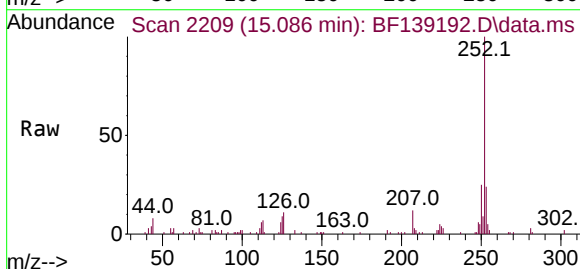
Tgt Ion:252 Resp: 30388

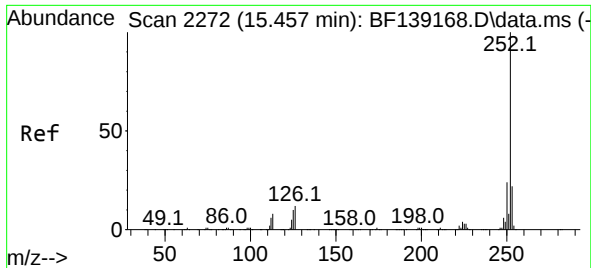
Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

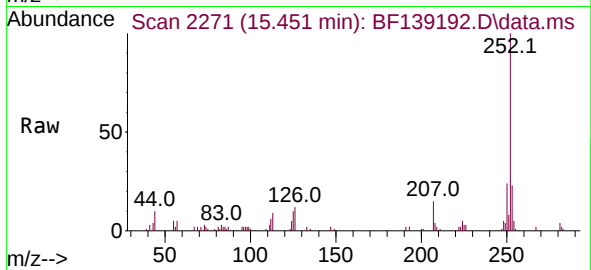
125 9.2 6.7 10.1





#90
 Benzo(a)pyrene
 Concen: 2.657 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF139192.D
 Acq: 27 Aug 2024 17:52

Instrument :
 BNA_F
 ClientSampleId :
 WC-4



Tgt Ion:252	Resp:	20174
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.3 25.9
125	9.8	7.8 11.6

