

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139196.D
 Acq On : 27 Aug 2024 19:57
 Operator : RC/JU
 Sample : P3737-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5

Quant Time: Aug 28 00:49:55 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)

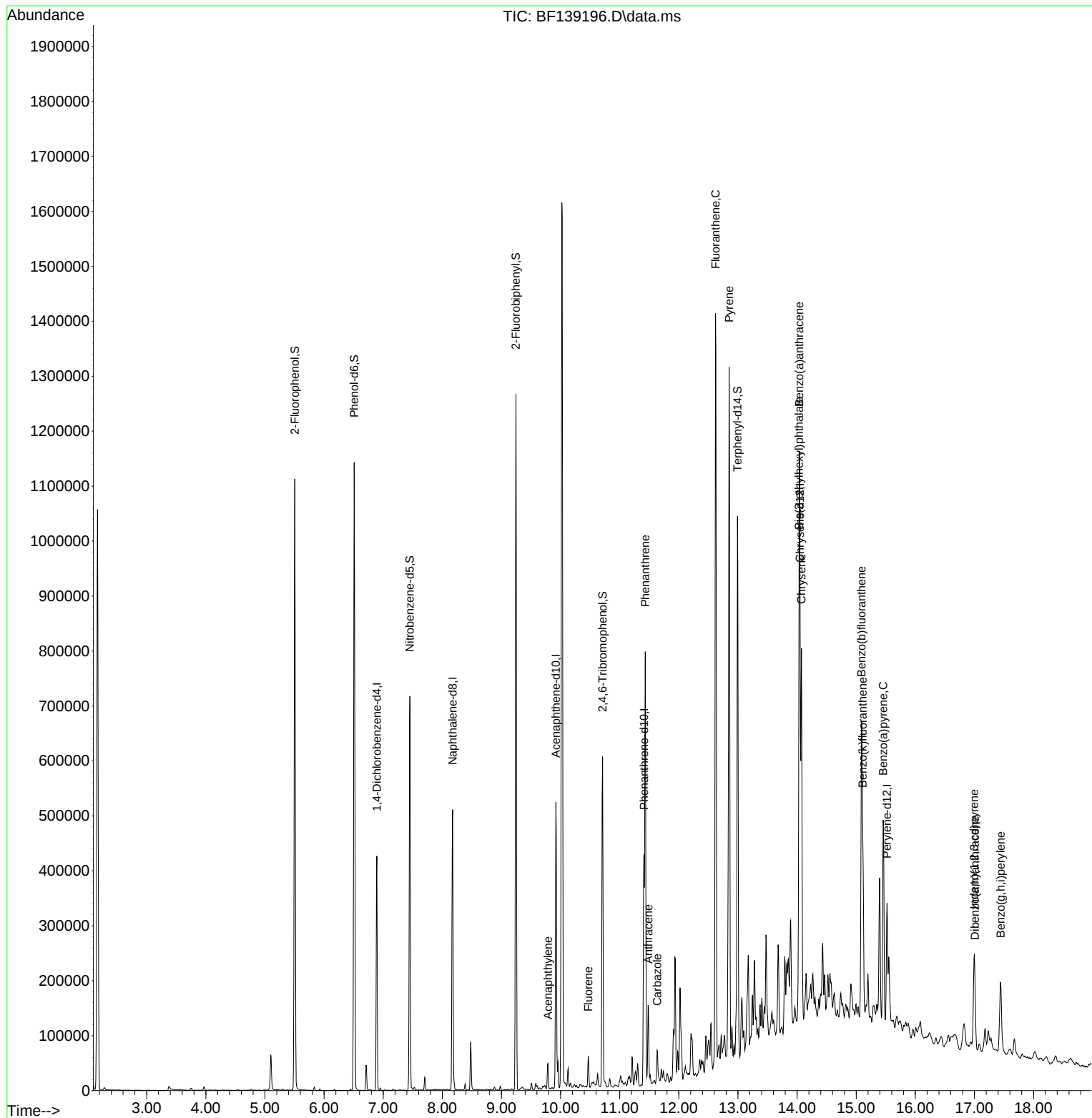
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	82170	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	298412	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	147412	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	208987	20.000	ng	0.00
76) Chrysene-d12	14.051	240	163494	20.000	ng	0.00
86) Perylene-d12	15.521	264	122691	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	376754	77.045	ng	0.00
7) Phenol-d6	6.510	99	494819	73.731	ng	-0.01
23) Nitrobenzene-d5	7.451	82	309547	57.467	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	87101	68.990	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	508922	53.628	ng	0.00
79) Terphenyl-d14	12.992	244	453015	43.234	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.786	152	27017	2.252	ng	99
58) Fluorene	10.469	166	19848	2.188	ng	98
71) Phenanthrene	11.433	178	398236	37.709	ng	99
72) Anthracene	11.486	178	78425	7.618	ng	98
73) Carbazole	11.633	167	28994	3.148	ng	97
75) Fluoranthene	12.622	202	771520	75.279	ng	100
78) Pyrene	12.851	202	711759	46.346	ng	98
81) Benzo(a)anthracene	14.039	228	431961	39.876	ng	97
83) Chrysene	14.074	228	337100	34.497	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	30808	13.196	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	130822	15.594	ng	96
88) Benzo(b)fluoranthene	15.092	252	376054m	52.396	ng	
89) Benzo(k)fluoranthene	15.110	252	116253m	17.916	ng	
90) Benzo(a)pyrene	15.457	252	230089	37.769	ng	98
91) Dibenzo(a,h)anthracene	17.009	278	35015	5.092	ng	93
92) Benzo(g,h,i)perylene	17.445	276	121503	17.084	ng	98

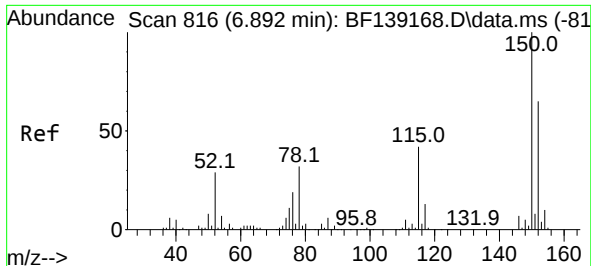
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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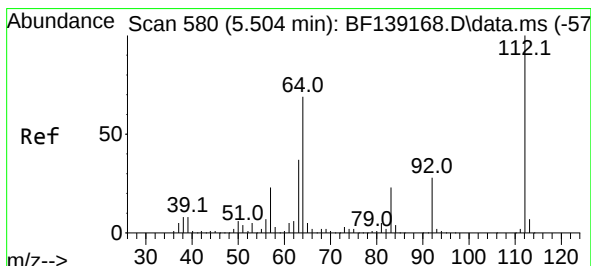
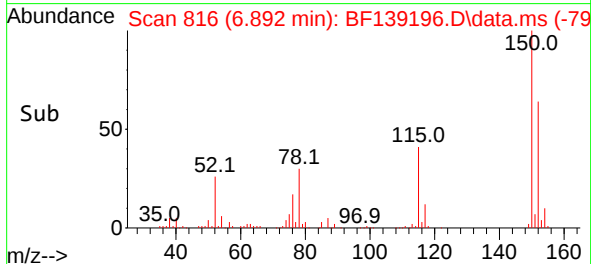
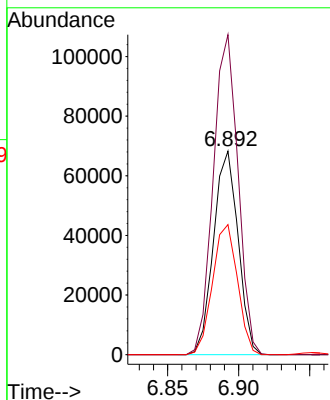
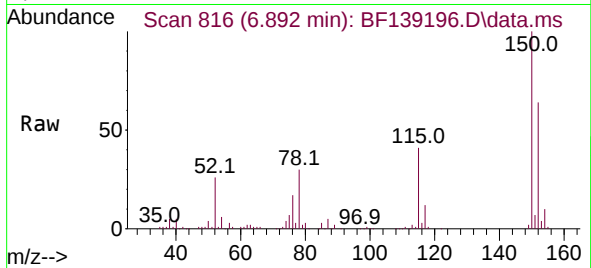




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

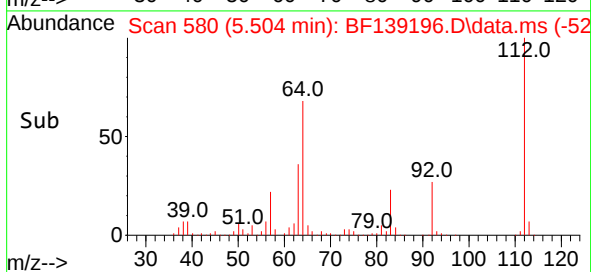
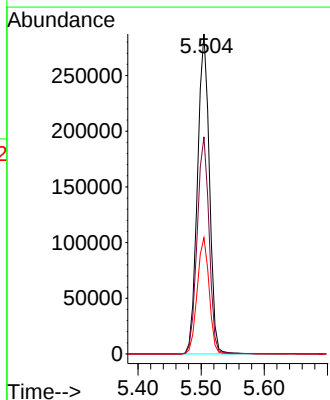
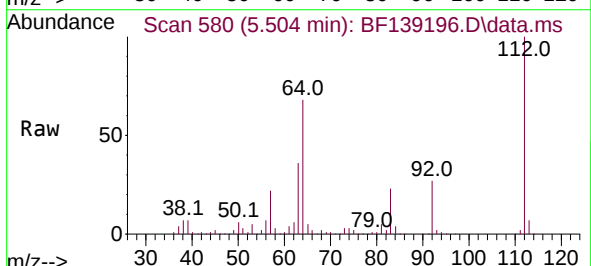
Instrument :
BNA_F
ClientSampleId :
COMP-5

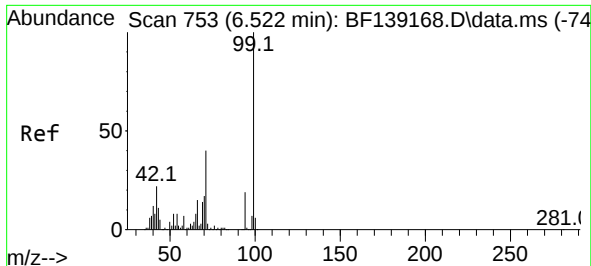
Tgt Ion:152 Resp: 82170
Ion Ratio Lower Upper
152 100
150 157.3 123.7 185.5
115 63.9 51.8 77.8



#5
2-Fluorophenol
Concen: 77.045 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion:112 Resp: 376754
Ion Ratio Lower Upper
112 100
64 67.9 55.5 83.3
63 36.3 29.8 44.6

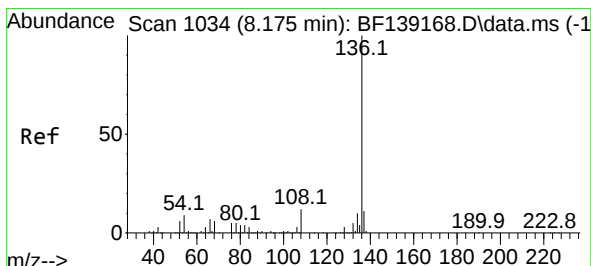
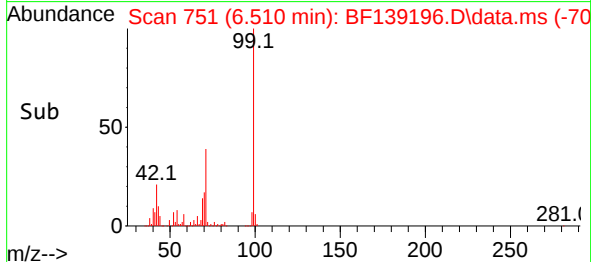
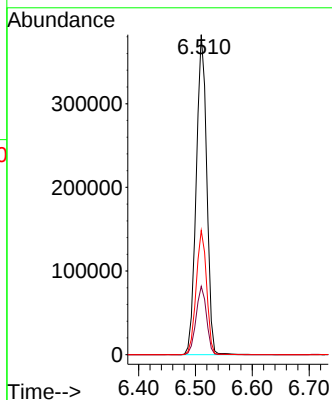
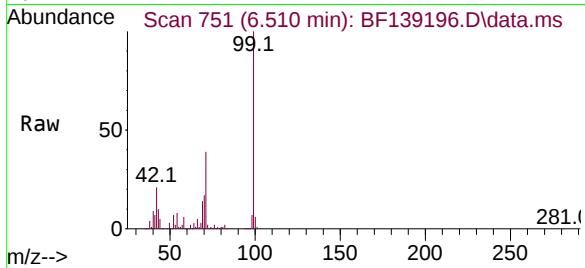




#7
Phenol-d6
Concen: 73.731 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

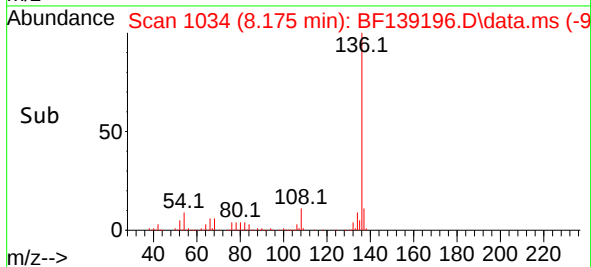
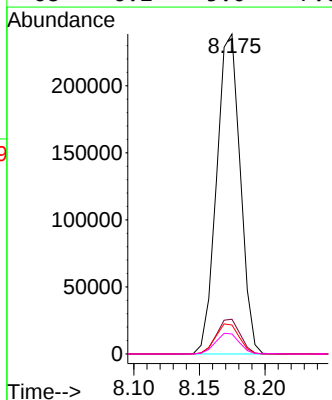
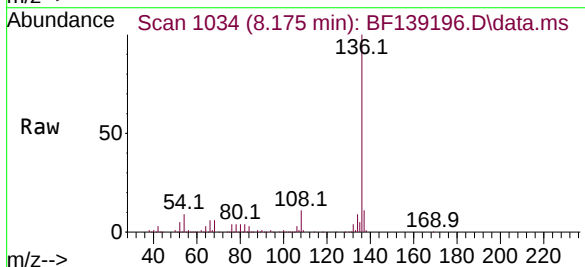
Instrument :
BNA_F
ClientSampleId :
COMP-5

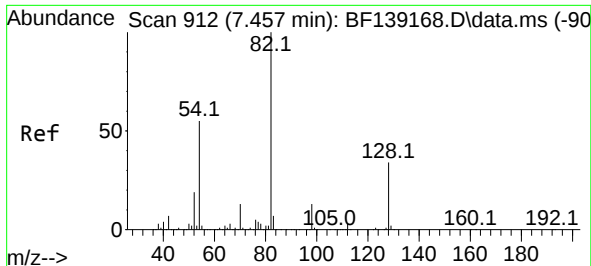
Tgt Ion: 99 Resp: 494819
Ion Ratio Lower Upper
99 100
42 21.3 17.9 26.9
71 38.8 31.7 47.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion: 136 Resp: 298412
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.1 7.6 11.4
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 57.467 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

Instrument :

BNA_F

ClientSampleId :

COMP-5

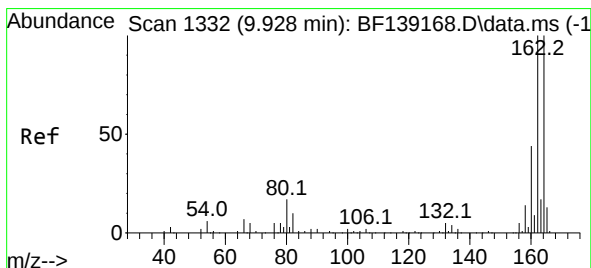
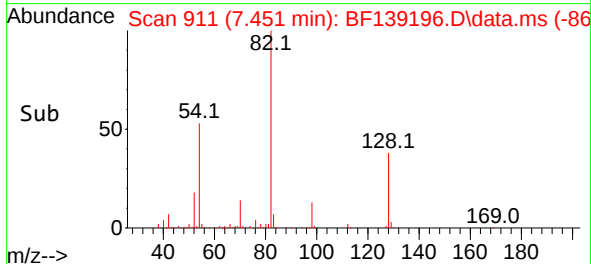
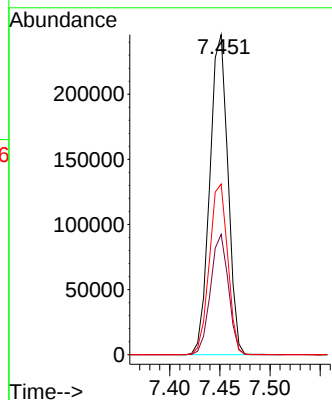
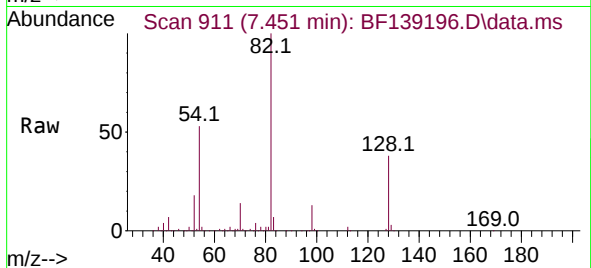
Tgt Ion: 82 Resp: 309547

Ion Ratio Lower Upper

82 100

128 37.6 27.1 40.7

54 53.3 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: BF139196.D

Acq: 27 Aug 2024 19:57

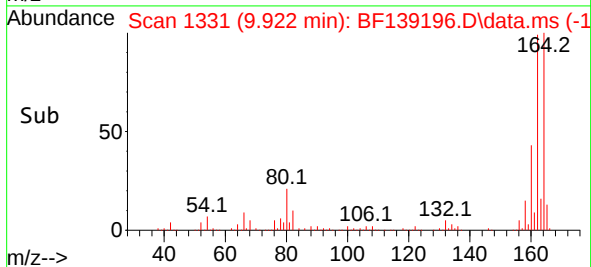
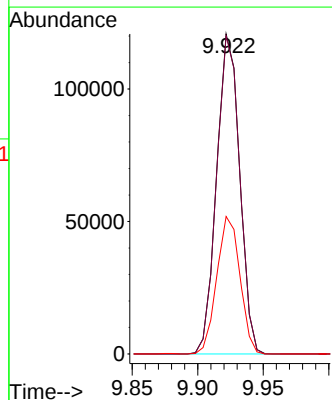
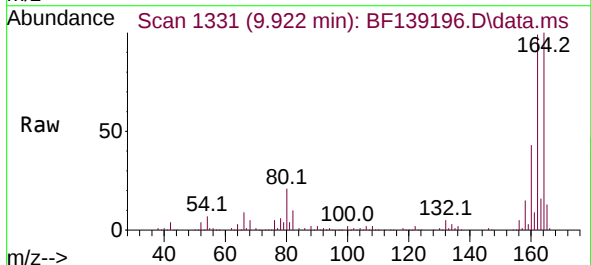
Tgt Ion:164 Resp: 147412

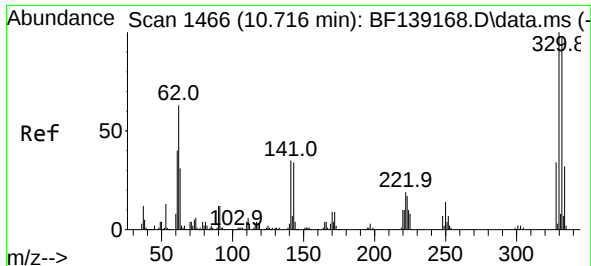
Ion Ratio Lower Upper

164 100

162 99.4 80.0 120.0

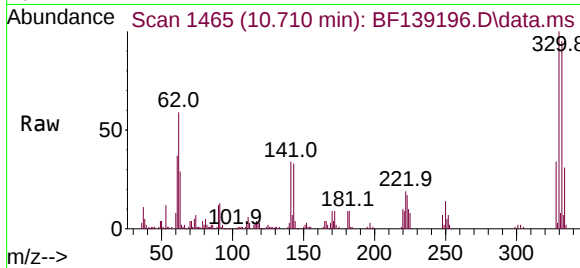
160 42.9 35.0 52.6



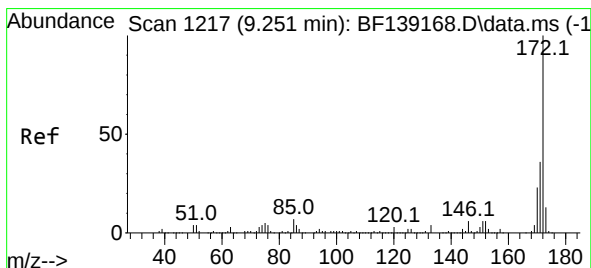
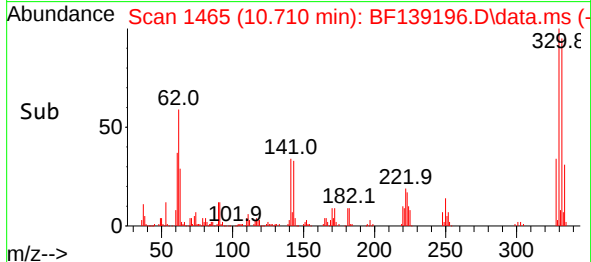
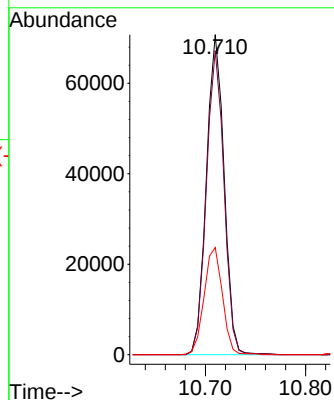


#42
2,4,6-Tribromophenol
Concen: 68.990 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Instrument :
BNA_F
ClientSampleId :
COMP-5

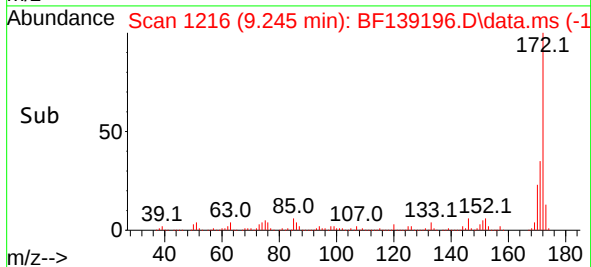
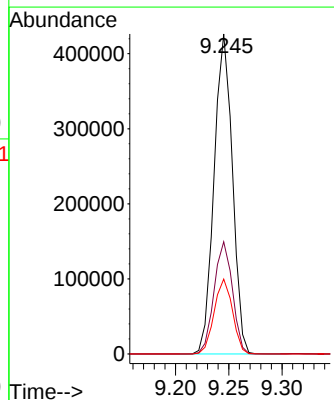
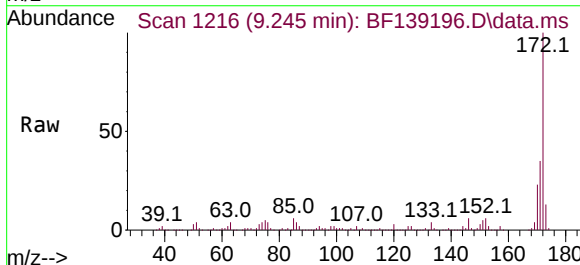


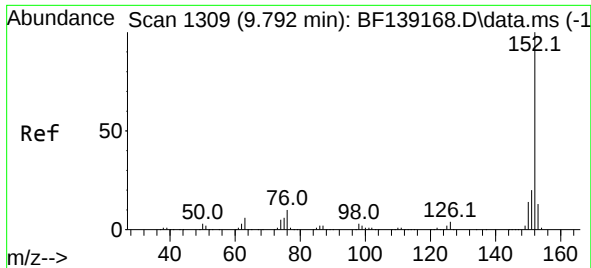
Tgt Ion: 330 Resp: 87101
Ion Ratio Lower Upper
330 100
332 94.5 77.3 115.9
141 34.7 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 53.628 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

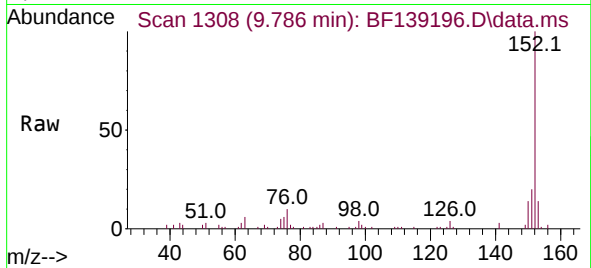
Tgt Ion: 172 Resp: 508922
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.4 18.8 28.2



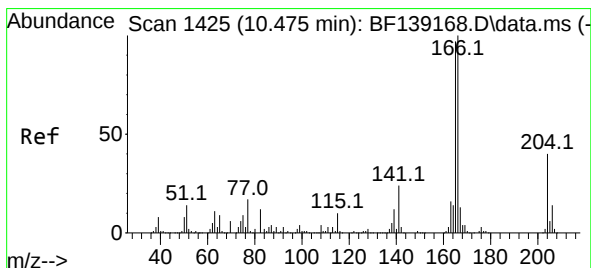
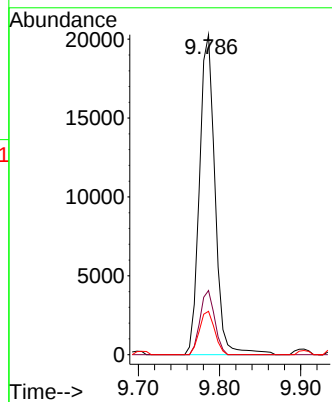
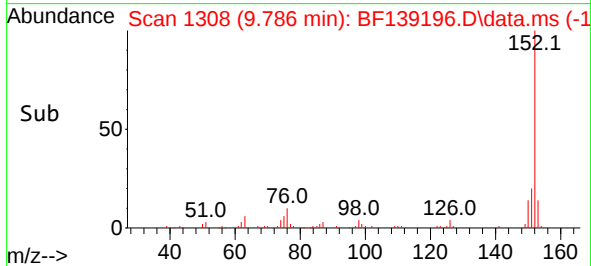


#49
Acenaphthylene
Concen: 2.252 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

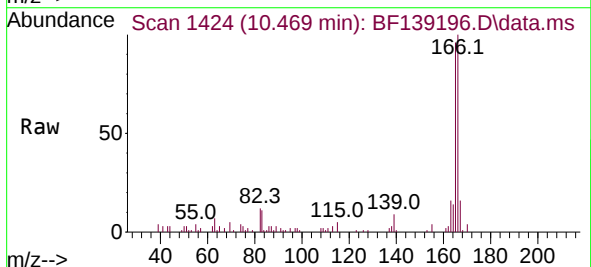
Instrument :
BNA_F
ClientSampleId :
COMP-5



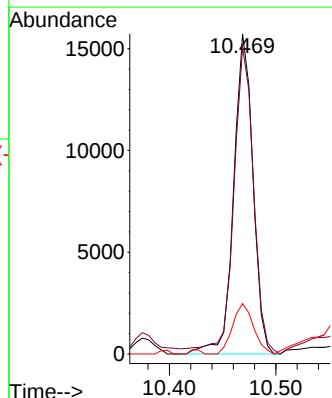
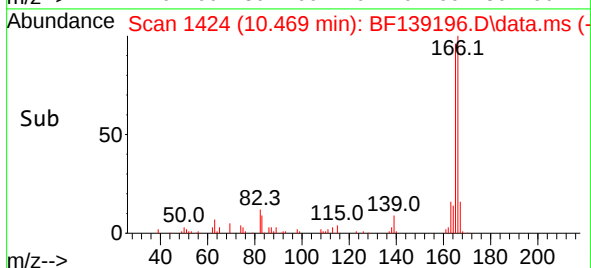
Tgt Ion:152 Resp: 27017
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.6 10.5 15.7

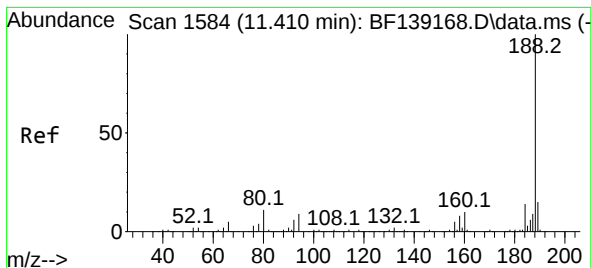


#58
Fluorene
Concen: 2.188 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57



Tgt Ion:166 Resp: 19848
Ion Ratio Lower Upper
166 100
165 95.8 77.8 116.8
167 15.8 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

Instrument :

BNA_F

ClientSampleId :

COMP-5

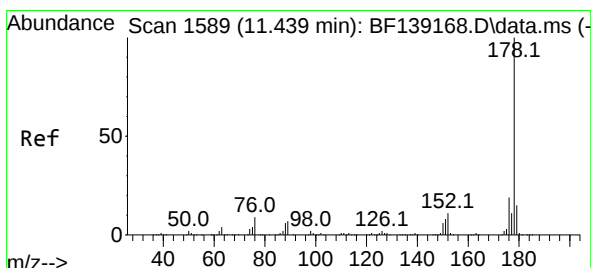
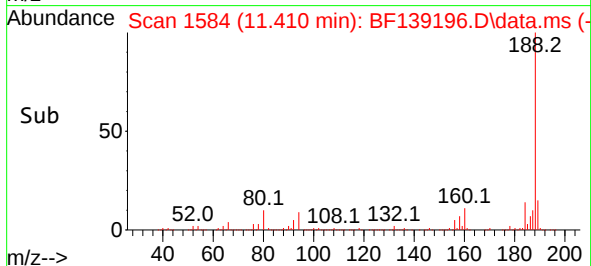
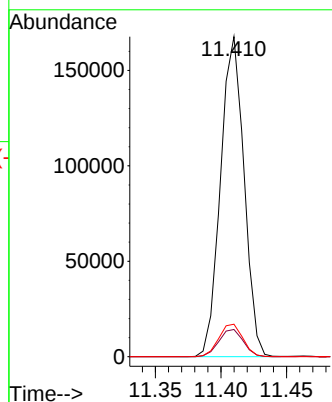
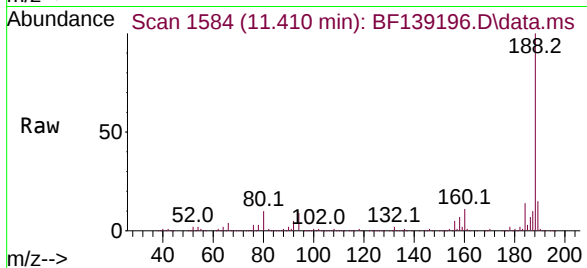
Tgt Ion:188 Resp: 208987

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

80 10.2 8.9 13.3



#71

Phenanthrene

Concen: 37.709 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

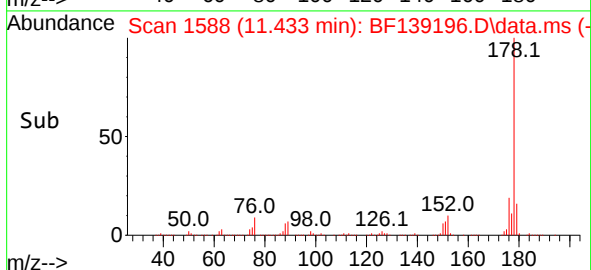
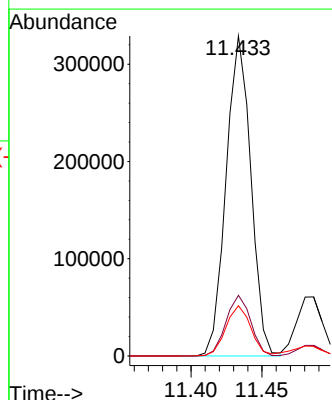
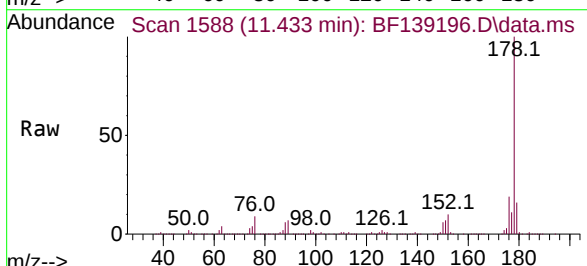
Tgt Ion:178 Resp: 398236

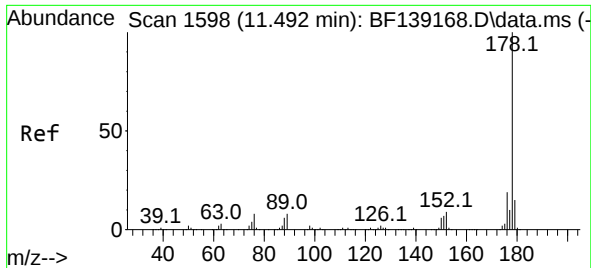
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.7 12.2 18.4

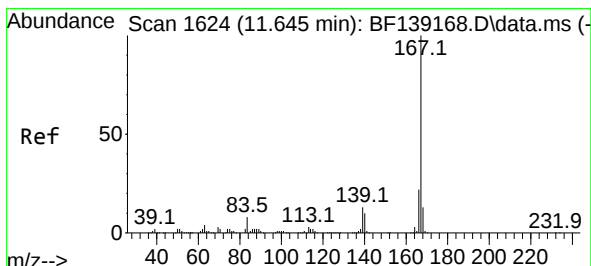
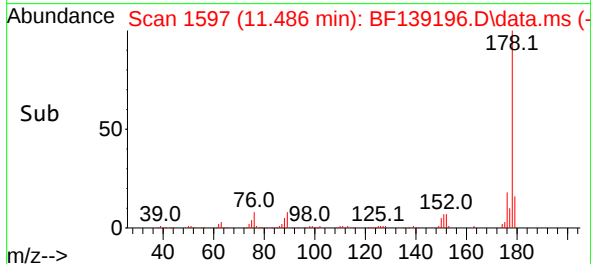
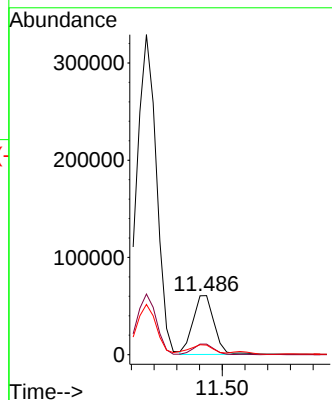
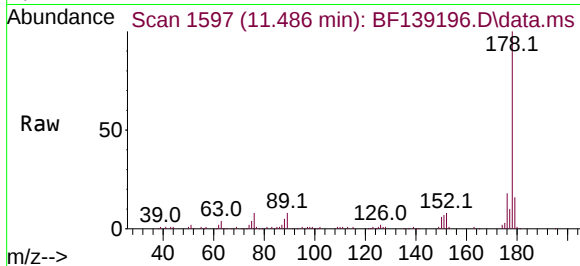




#72
 Anthracene
 Concen: 7.618 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139196.D
 Acq: 27 Aug 2024 19:57

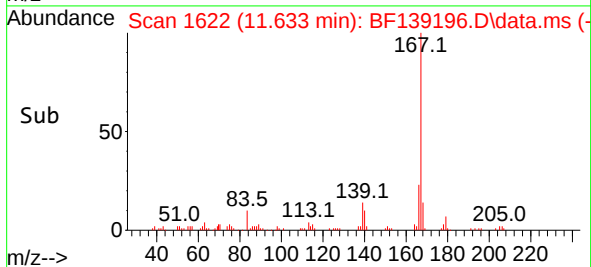
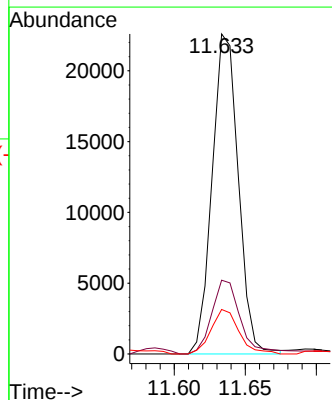
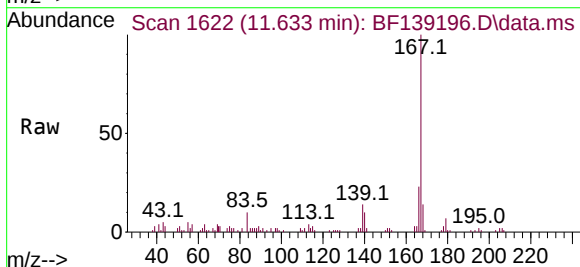
Instrument :
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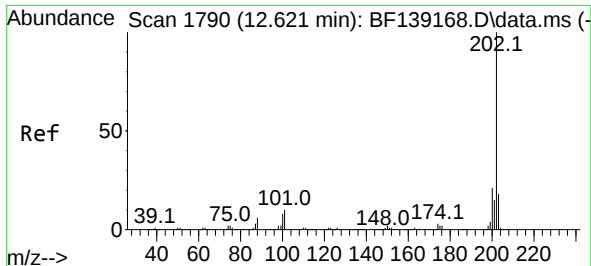
Tgt Ion:178 Resp: 78425
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.4
 179 16.1 12.3 18.5



#73
 Carbazole
 Concen: 3.148 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.012 min
 Lab File: BF139196.D
 Acq: 27 Aug 2024 19:57

Tgt Ion:167 Resp: 28994
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.3 25.9
 139 13.9 10.3 15.5

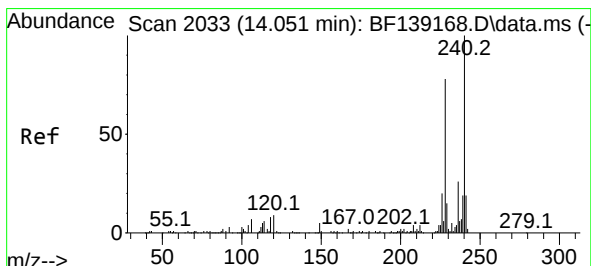
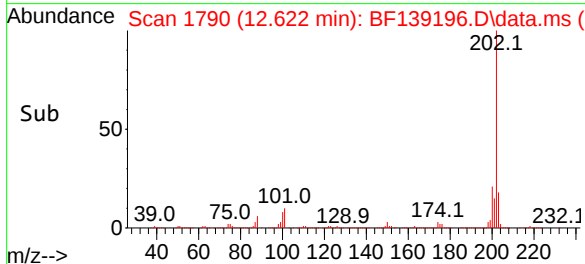
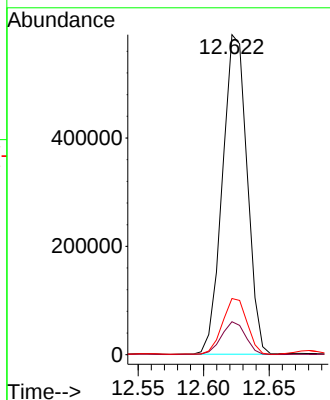
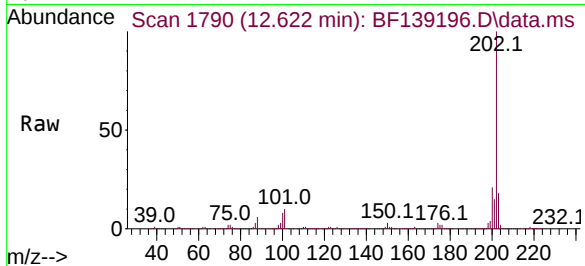




#75
Fluoranthene
Concen: 75.279 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

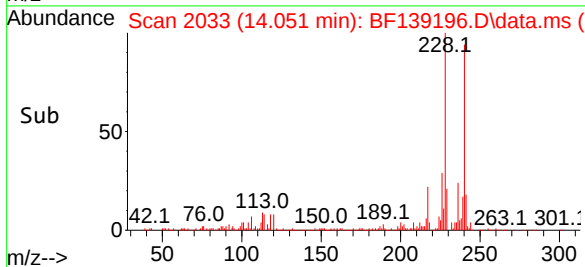
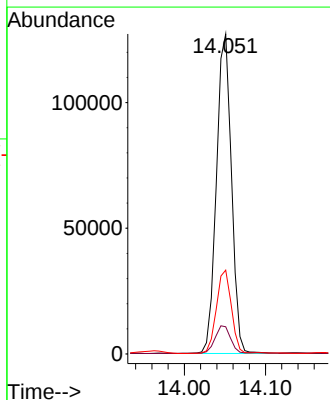
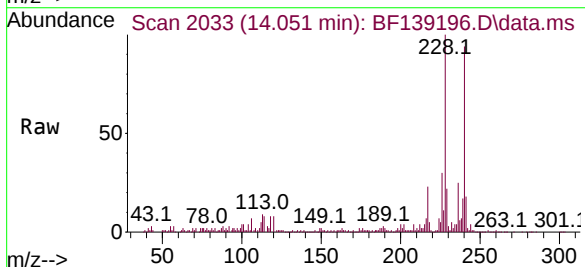
Instrument :
BNA_F
ClientSampleId :
COMP-5

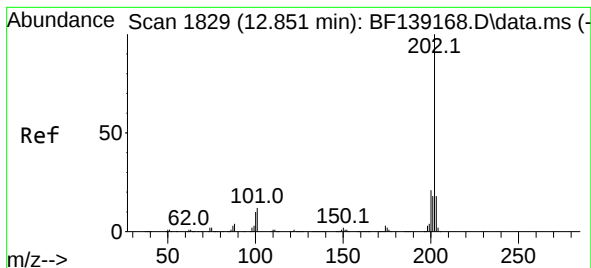
Tgt Ion:202 Resp: 771520
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.1
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion:240 Resp: 163494
Ion Ratio Lower Upper
240 100
120 8.5 6.9 10.3
236 26.2 20.9 31.3





#78

Pyrene

Concen: 46.346 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.000 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

Instrument :

BNA_F

ClientSampleId :

COMP-5

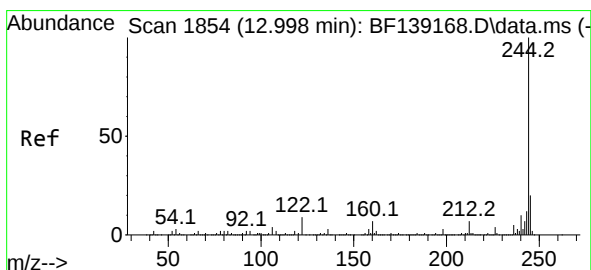
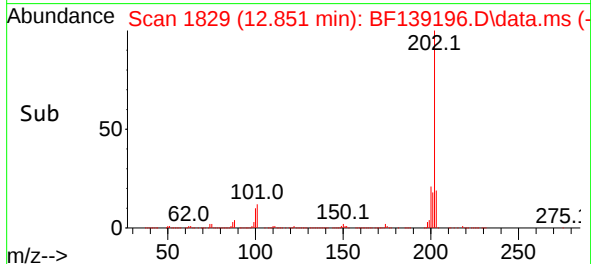
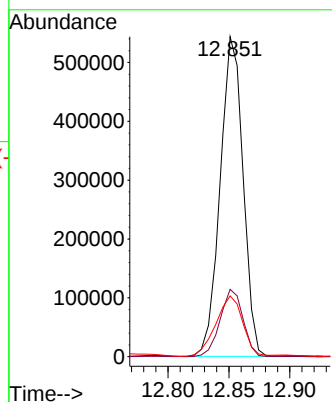
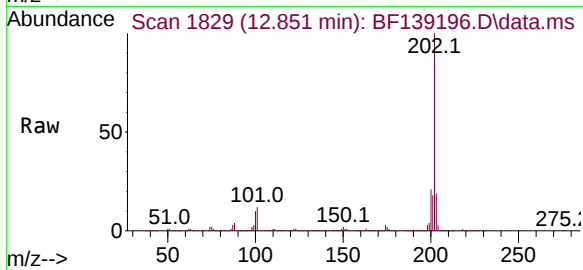
Tgt Ion:202 Resp: 711759

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 19.0 14.1 21.1



#79

Terphenyl-d14

Concen: 43.234 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

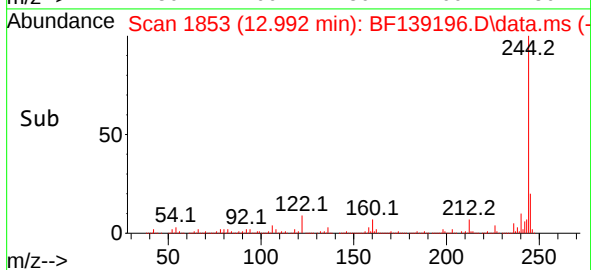
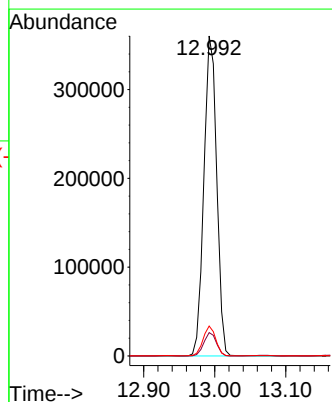
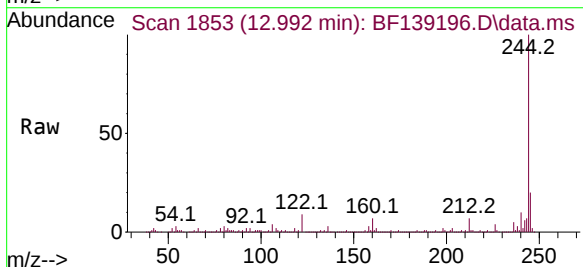
Tgt Ion:244 Resp: 453015

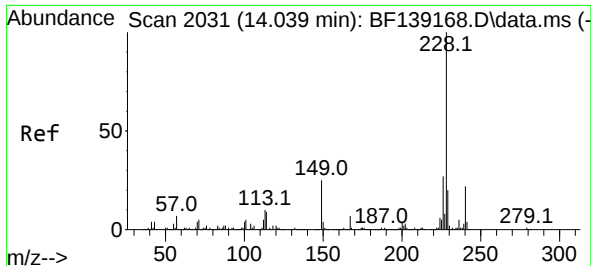
Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 9.4 7.6 11.4

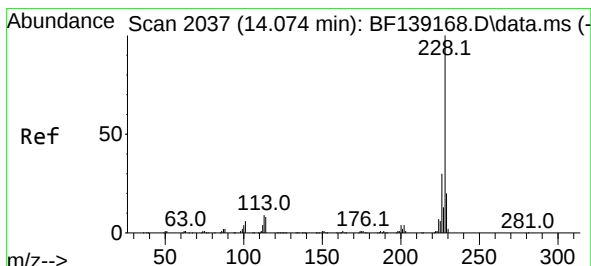
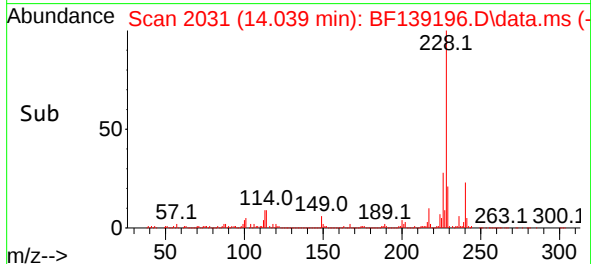
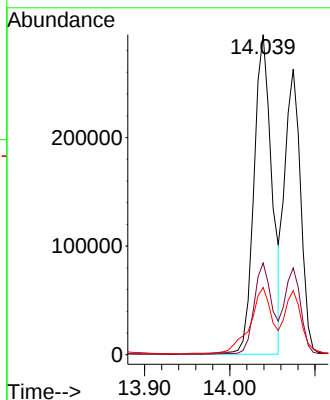
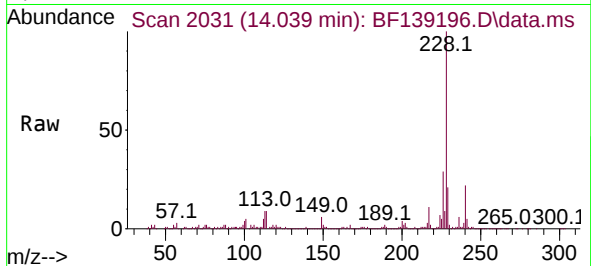




#81
Benzo(a)anthracene
Concen: 39.876 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

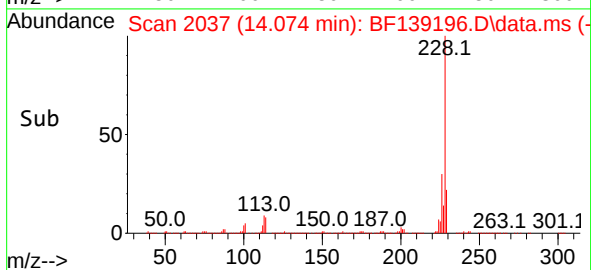
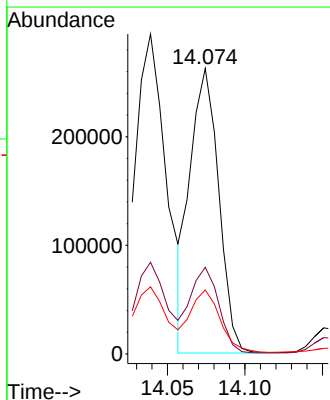
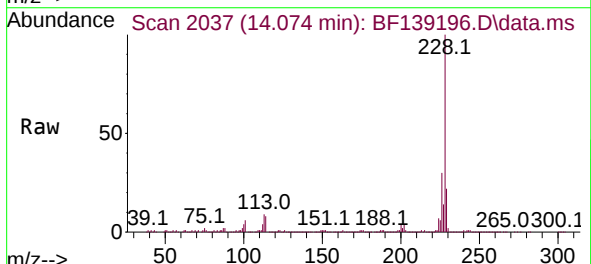
Instrument :
BNA_F
ClientSampleId :
COMP-5

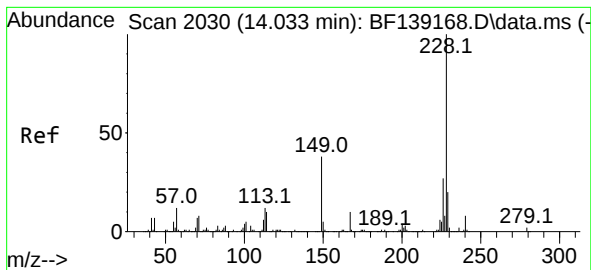
Tgt Ion:228 Resp: 431961
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.2
229 21.0 15.7 23.5



#83
Chrysene
Concen: 34.497 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion:228 Resp: 337100
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.6
229 22.4 15.8 23.6

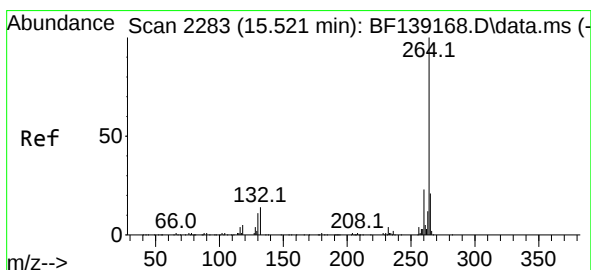
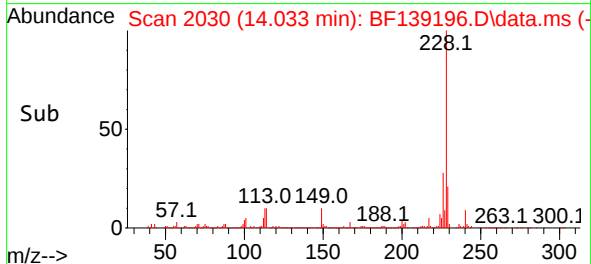
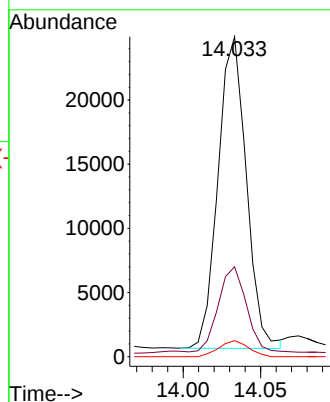
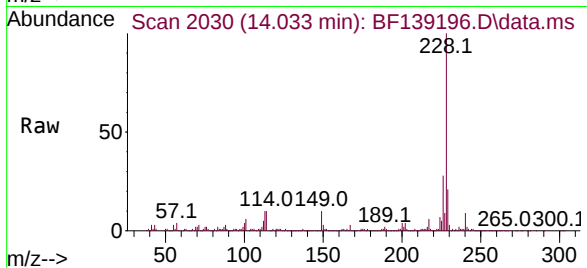




#84
Bis(2-ethylhexyl)phthalate
Concen: 13.196 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

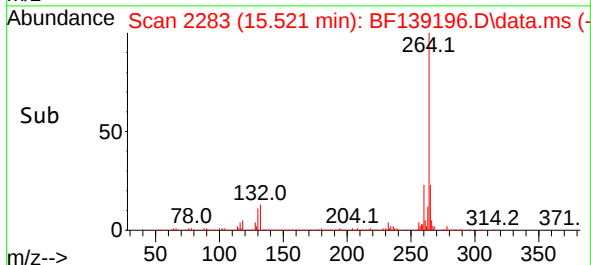
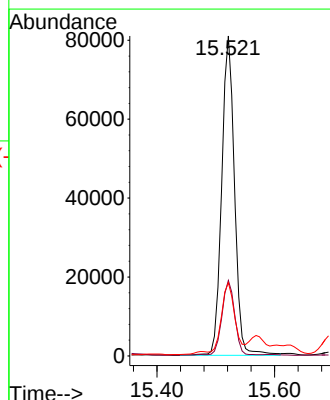
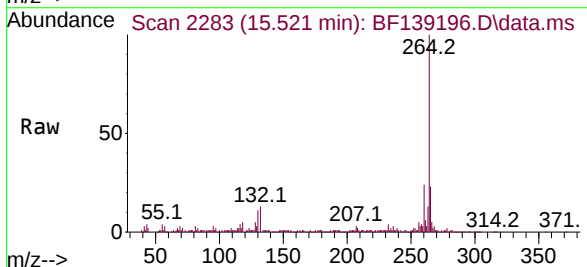
Instrument :
BNA_F
ClientSampleId :
COMP-5

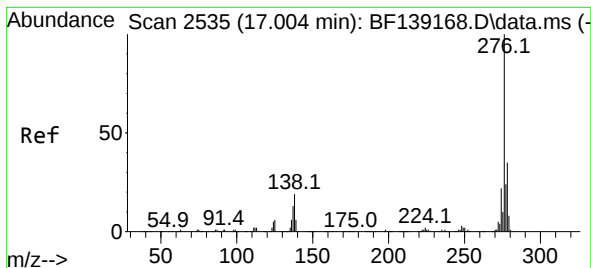
Tgt Ion:149 Resp: 30808
Ion Ratio Lower Upper
149 100
167 28.1 21.3 31.9
279 5.0 3.4 5.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion:264 Resp: 122691
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 22.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.594 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

Instrument :

BNA_F

ClientSampleId :

COMP-5

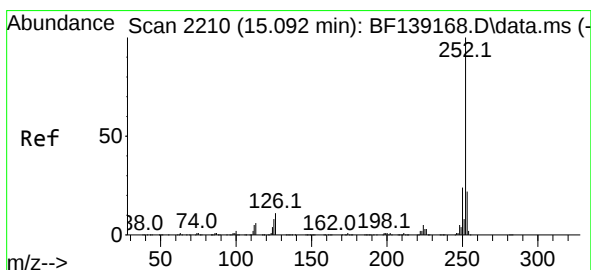
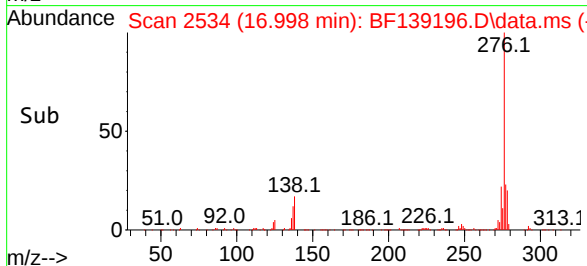
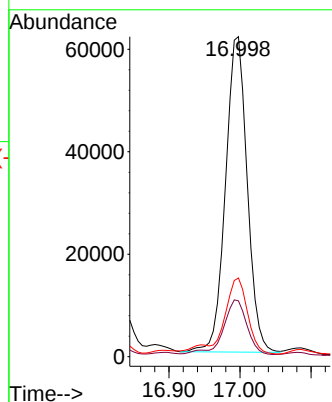
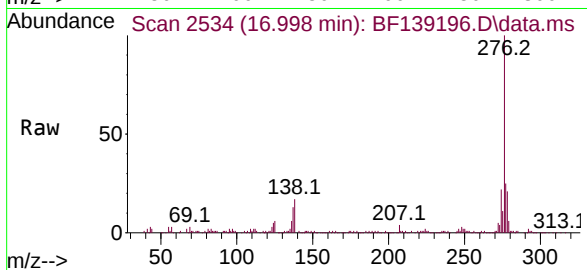
Tgt Ion:276 Resp: 130822

Ion Ratio Lower Upper

276 100

138 19.0 17.4 26.2

277 24.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 52.396 ng m

RT: 15.092 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF139196.D

Acq: 27 Aug 2024 19:57

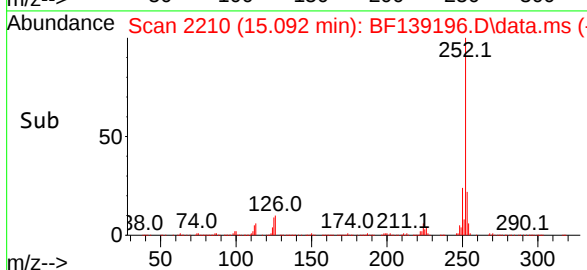
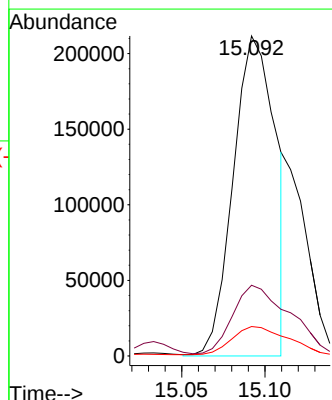
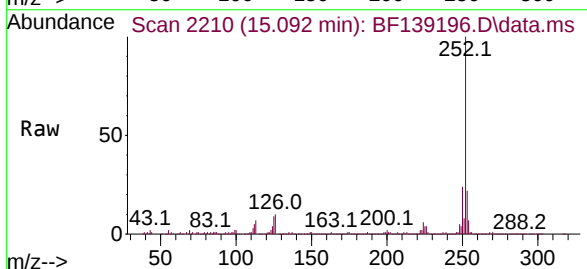
Tgt Ion:252 Resp: 376054

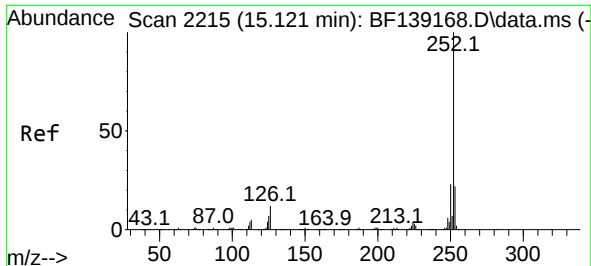
Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 9.2 6.7 10.1

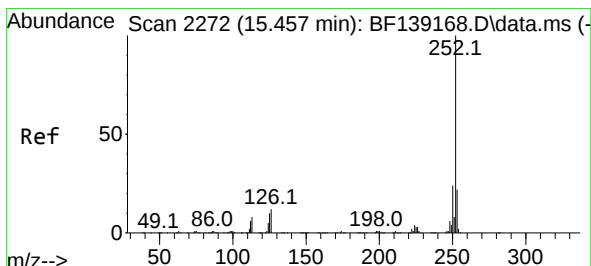
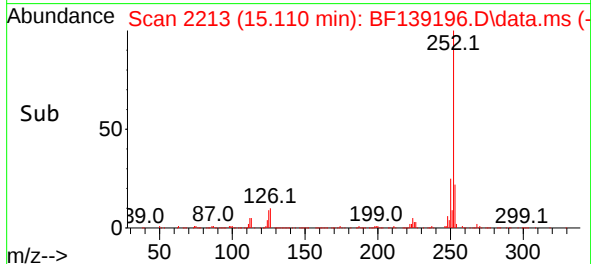
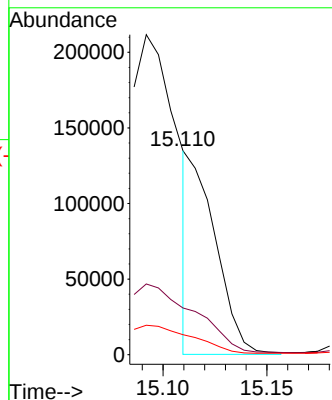
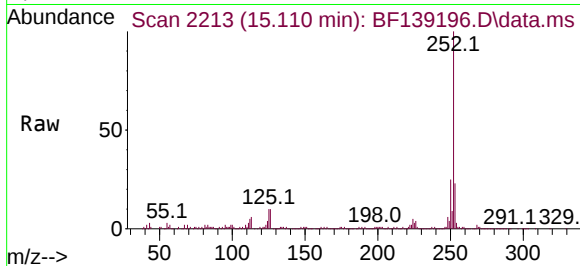




#89
Benzo(k)fluoranthene
Concen: 17.916 ng m
RT: 15.110 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

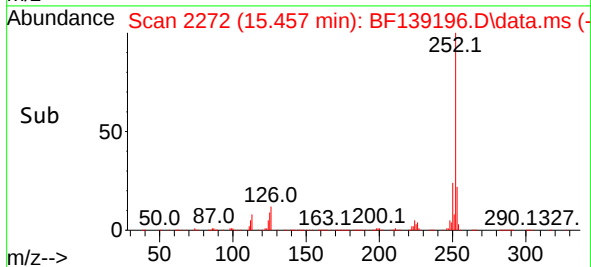
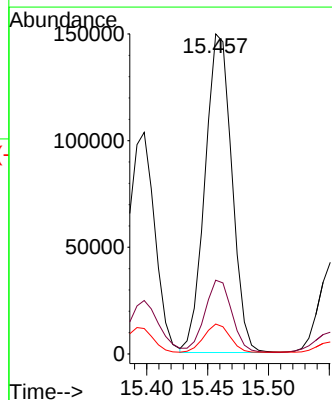
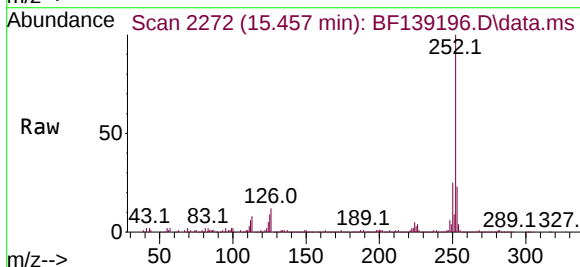
Instrument :
BNA_F
ClientSampleId :
COMP-5

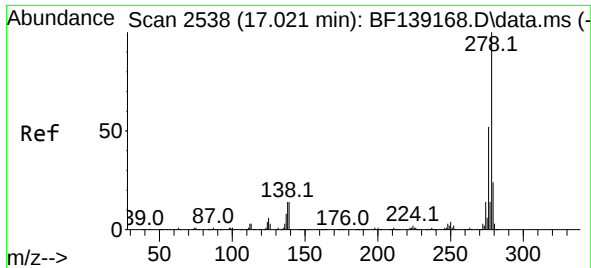
Tgt Ion:252 Resp: 116253
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 9.8 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 37.769 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion:252 Resp: 230089
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 9.4 7.8 11.6

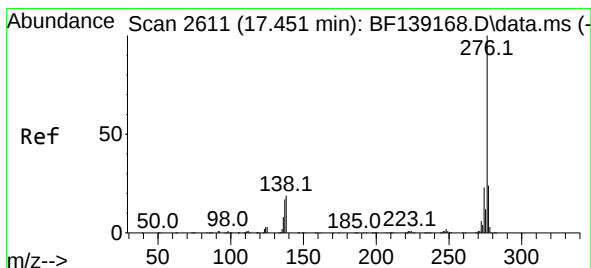
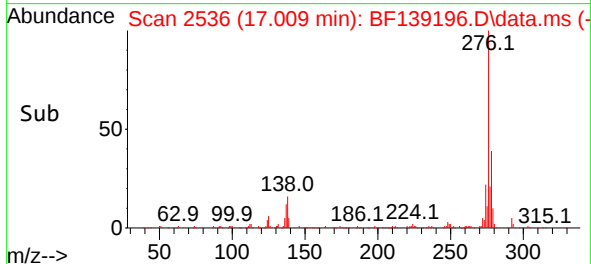
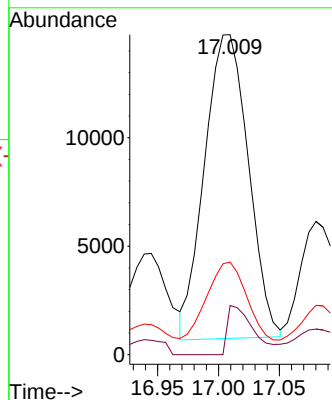
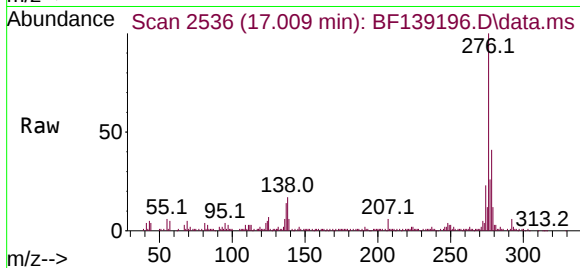




#91
Dibenzo(a,h)anthracene
Concen: 5.092 ng
RT: 17.009 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Instrument :
BNA_F
ClientSampleId :
COMP-5

Tgt Ion:278 Resp: 35015
Ion Ratio Lower Upper
278 100
139 15.3 11.2 16.8
279 29.0 19.4 29.2



#92
Benzo(g,h,i)perylene
Concen: 17.084 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF139196.D
Acq: 27 Aug 2024 19:57

Tgt Ion:276 Resp: 121503
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 17.3 15.0 22.6

