

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072224\
 Data File : BF138607.D
 Acq On : 22 Jul 2024 14:44
 Operator : RC/JU
 Sample : P3314-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ206

Quant Time: Jul 22 16:42:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

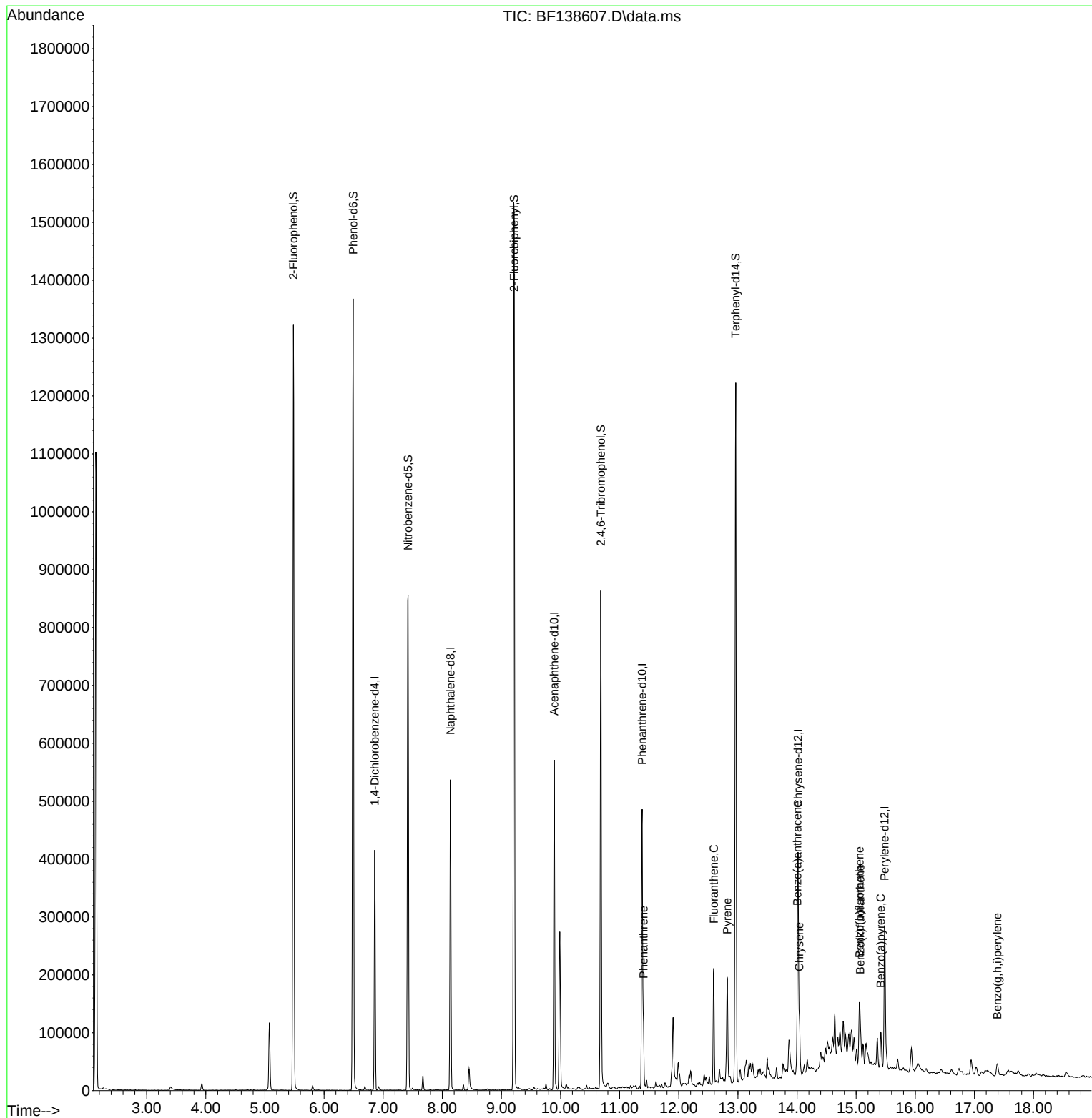
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	77758	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	311750	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	159271	20.000	ng	-0.01
64) Phenanthrene-d10	11.381	188	242441	20.000	ng	0.00
76) Chrysene-d12	14.016	240	143184	20.000	ng	-0.01
86) Perylene-d12	15.480	264	136636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	441145	89.851	ng	-0.01
7) Phenol-d6	6.493	99	599452	91.780	ng	-0.01
23) Nitrobenzene-d5	7.422	82	379279	59.733	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	134171	90.136	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	676228	66.357	ng	-0.01
79) Terphenyl-d14	12.963	244	557642	63.447	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.404	178	54609	4.458	ng	99
75) Fluoranthene	12.592	202	109563	8.766	ng	97
78) Pyrene	12.822	202	104445	7.186	ng	99
81) Benzo(a)anthracene	14.004	228	46627	4.853	ng	95
83) Chrysene	14.039	228	48151	5.298	ng	100
88) Benzo(b)fluoranthene	15.057	252	57651m	7.492	ng	
89) Benzo(k)fluoranthene	15.069	252	22124m	2.948	ng	
90) Benzo(a)pyrene	15.416	252	35489	5.250	ng	98
92) Benzo(g,h,i)perylene	17.386	276	18779	2.359	ng	# 90

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

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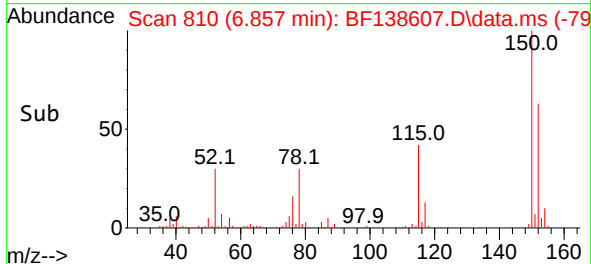
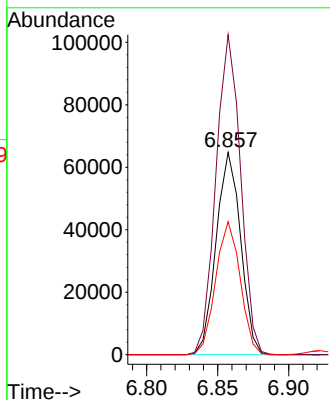
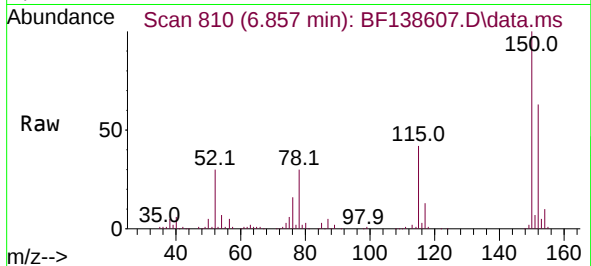




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

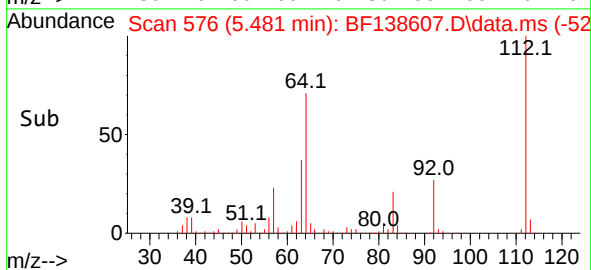
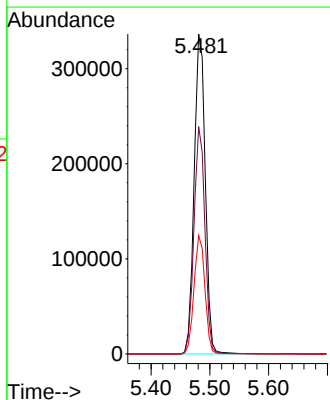
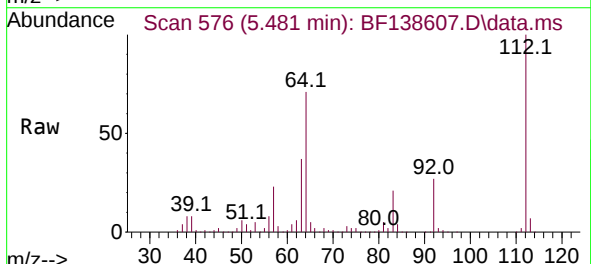
Instrument :
BNA_F
ClientSampleId :
VNJ206

Tgt Ion:152 Resp: 77758
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.4
115 65.7 50.3 75.5



#5
2-Fluorophenol
Concen: 89.851 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:112 Resp: 441145
Ion Ratio Lower Upper
112 100
64 71.1 55.1 82.7
63 37.0 29.0 43.6

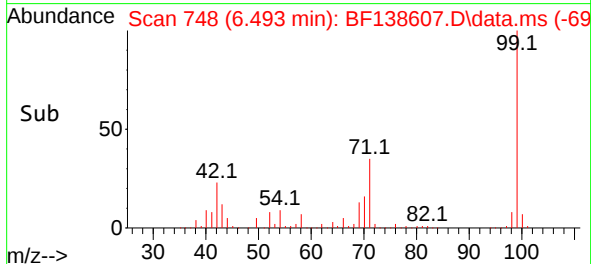
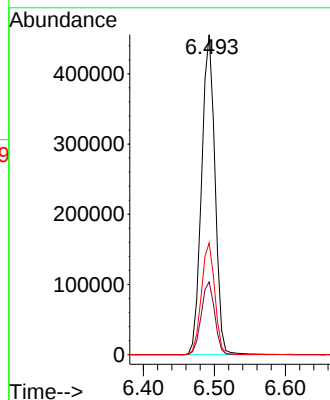
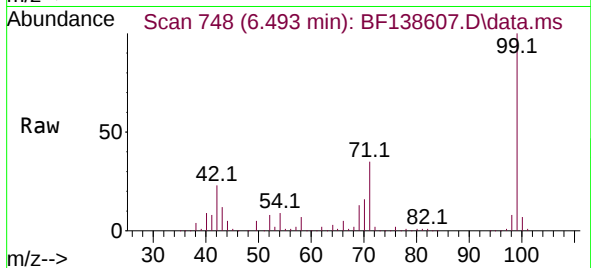




#7
Phenol-d6
Concen: 91.780 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

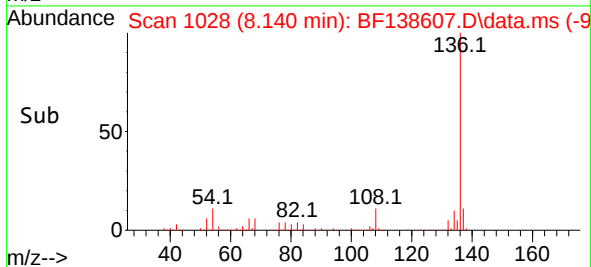
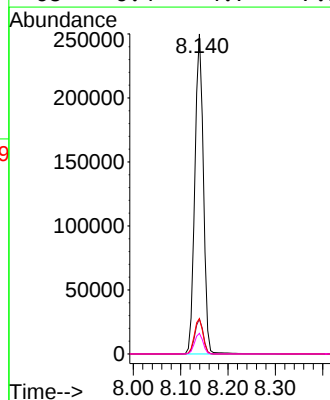
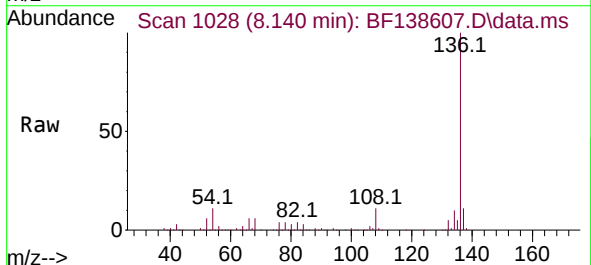
Instrument :
BNA_F
ClientSampleId :
VNJ206

Tgt Ion: 99 Resp: 599452
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 34.9 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 136 Resp: 311750
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.1 8.1 12.1
68 6.4 4.7 7.1





#23

Nitrobenzene-d5

Concen: 59.733 ng

RT: 7.422 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

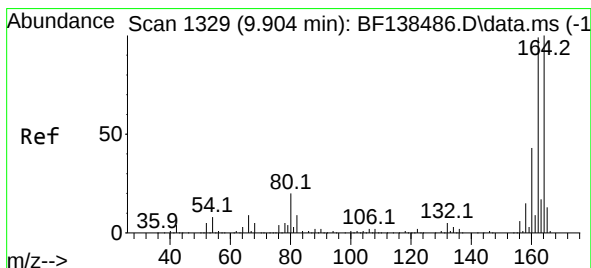
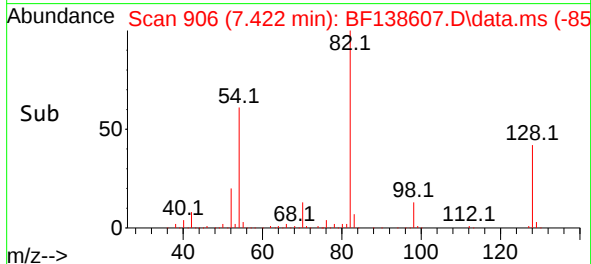
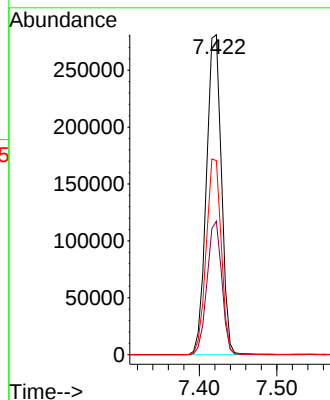
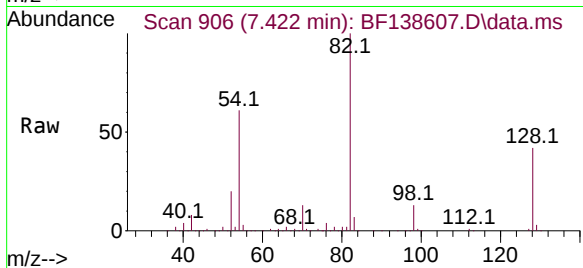
Tgt Ion: 82 Resp: 379279

Ion Ratio Lower Upper

82 100

128 41.7 32.3 48.5

54 60.6 51.4 77.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

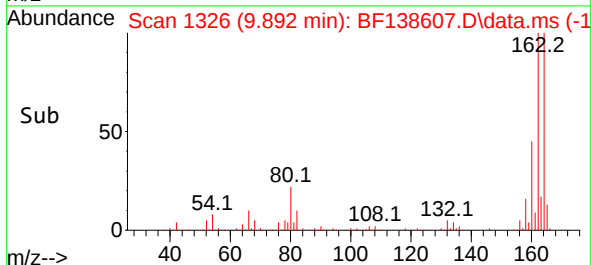
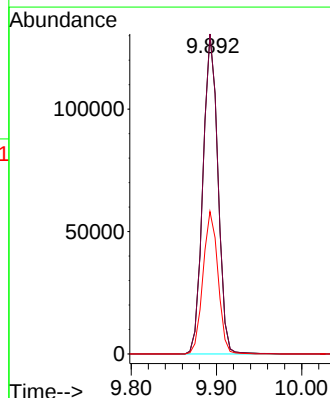
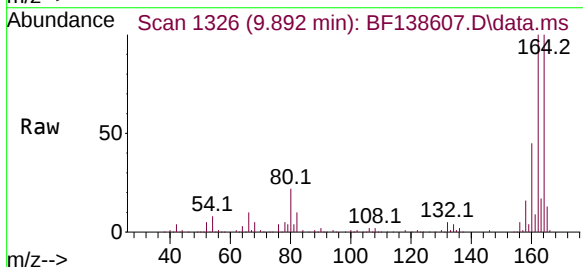
Tgt Ion:164 Resp: 159271

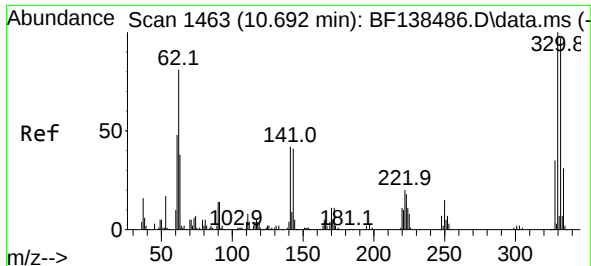
Ion Ratio Lower Upper

164 100

162 100.0 79.0 118.6

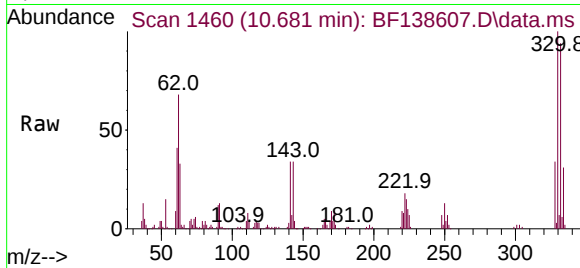
160 44.5 34.4 51.6



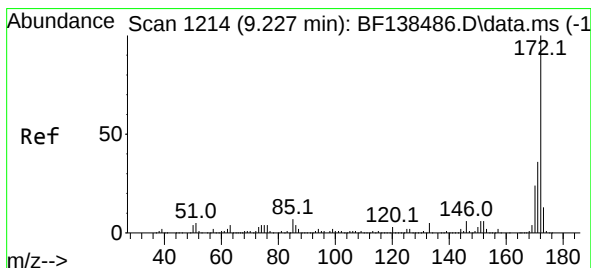
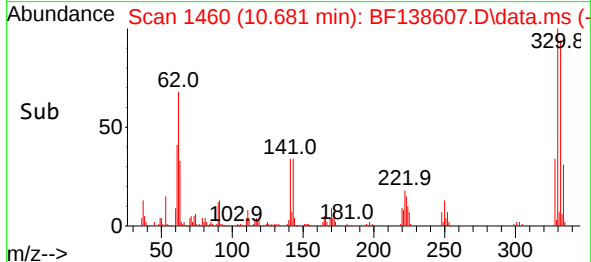
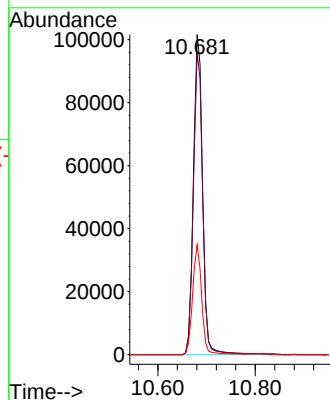


#42
2,4,6-Tribromophenol
Concen: 90.136 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Instrument :
BNA_F
ClientSampleId :
VNJ206

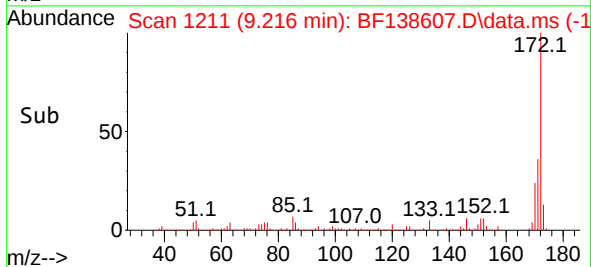
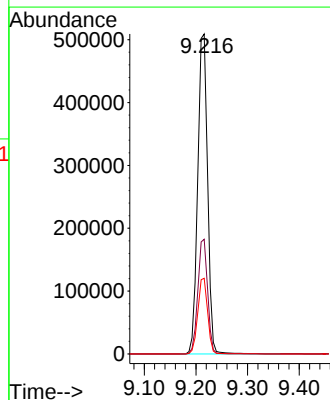
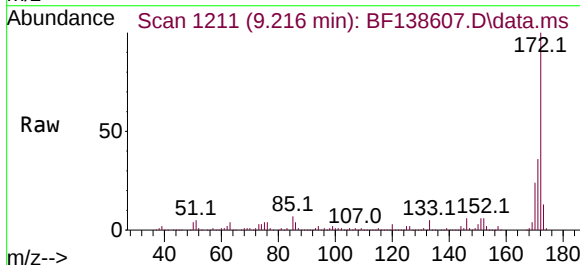


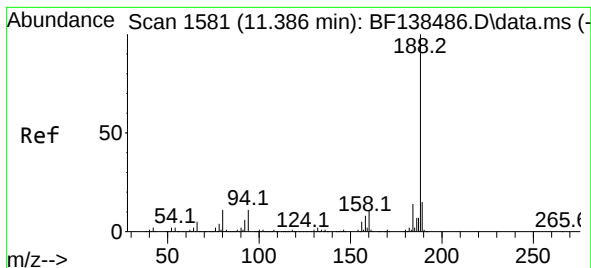
Tgt Ion:330 Resp: 134171
Ion Ratio Lower Upper
330 100
332 94.9 76.8 115.2
141 33.9 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 66.357 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:172 Resp: 676228
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.381 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

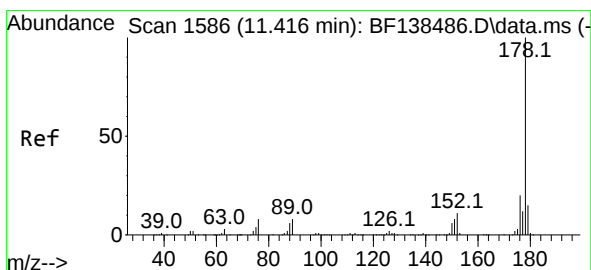
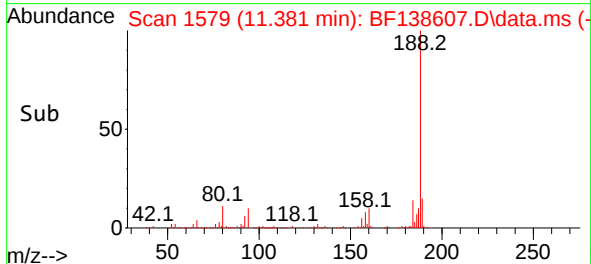
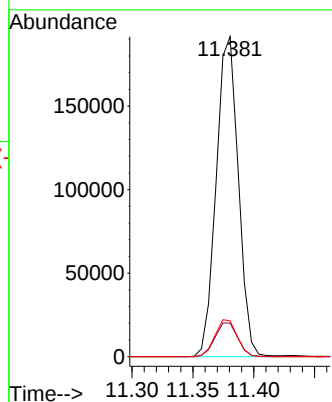
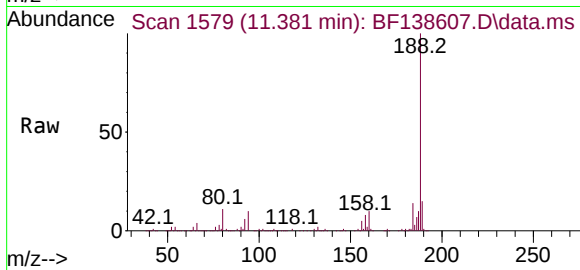
Tgt Ion:188 Resp: 242441

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

80 11.2 9.0 13.4



#71

Phenanthrene

Concen: 4.458 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

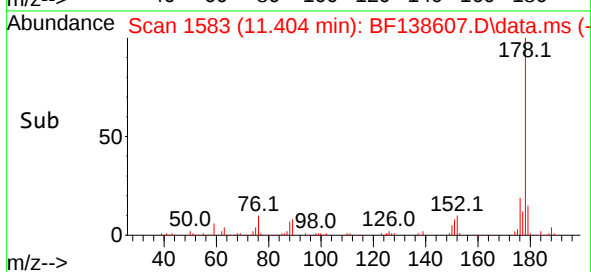
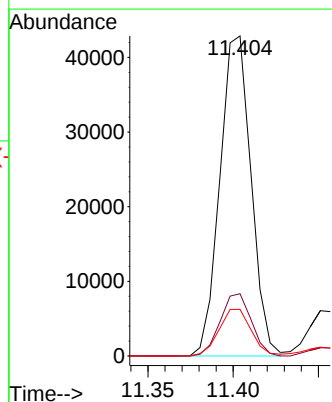
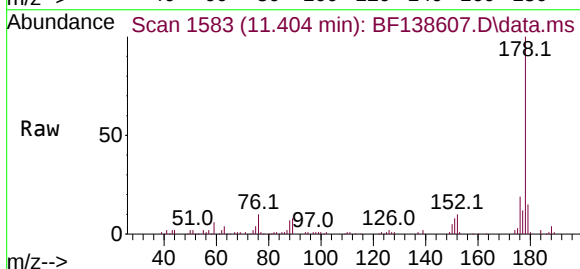
Tgt Ion:178 Resp: 54609

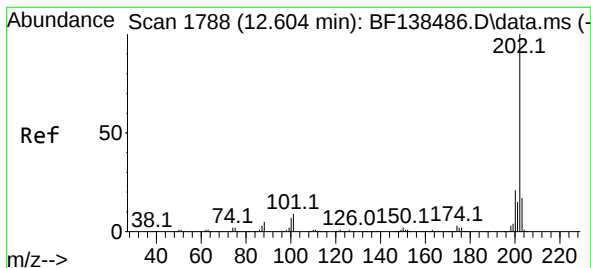
Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 14.5 12.2 18.2





#75

Fluoranthene

Concen: 8.766 ng

RT: 12.592 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

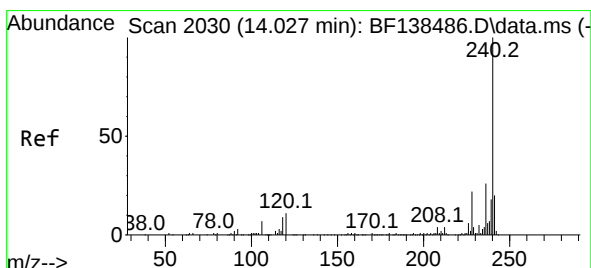
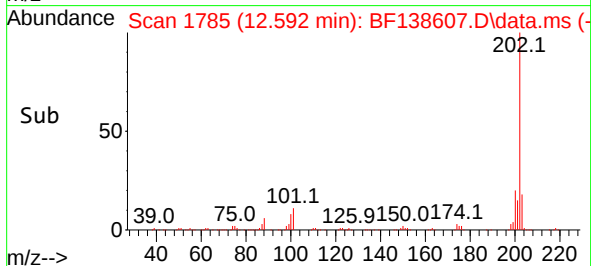
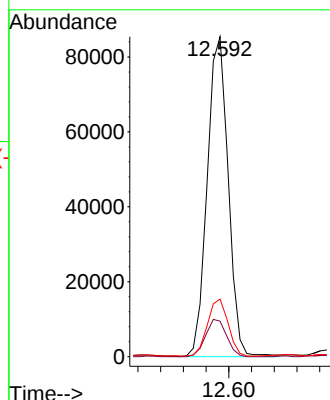
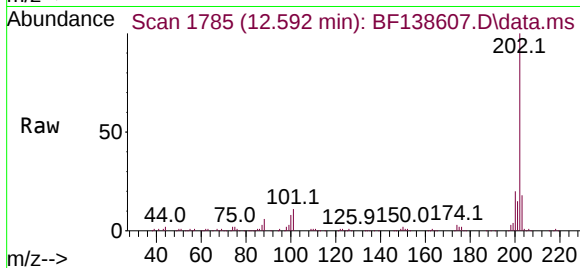
Tgt Ion:202 Resp: 109563

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.2

203 18.0 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

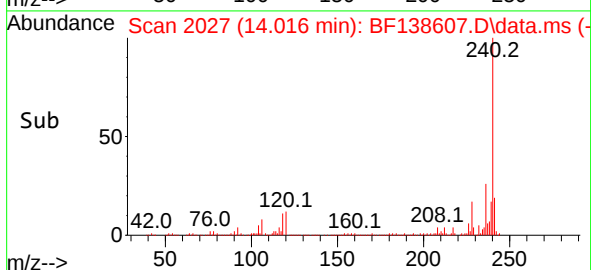
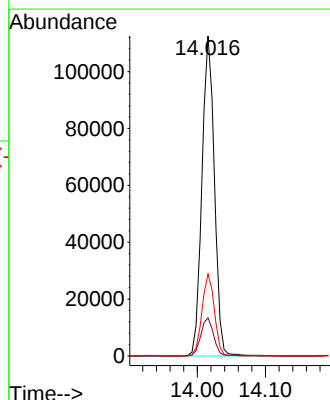
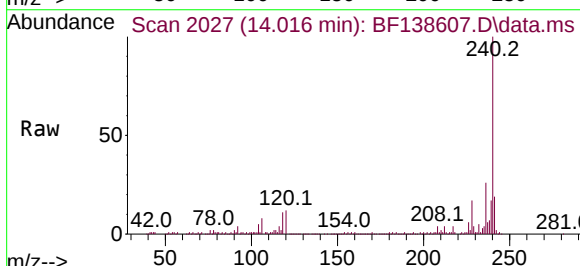
Tgt Ion:240 Resp: 143184

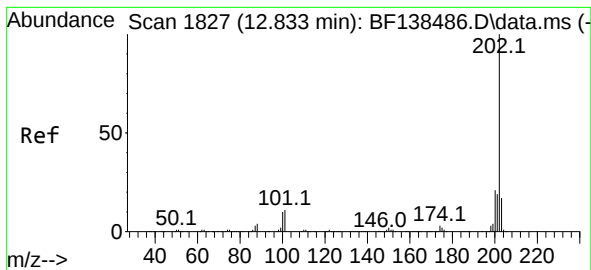
Ion Ratio Lower Upper

240 100

120 11.9 8.6 12.8

236 25.6 21.0 31.6





#78

Pyrene

Concen: 7.186 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

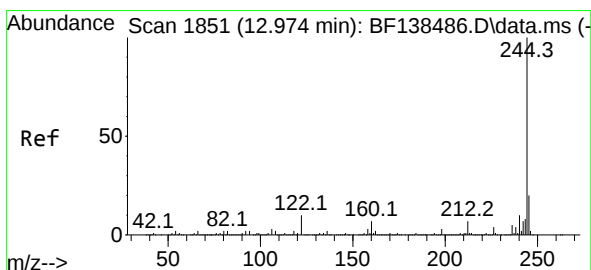
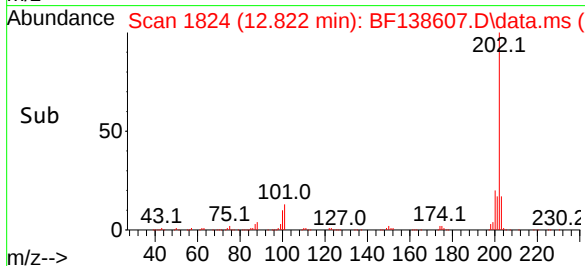
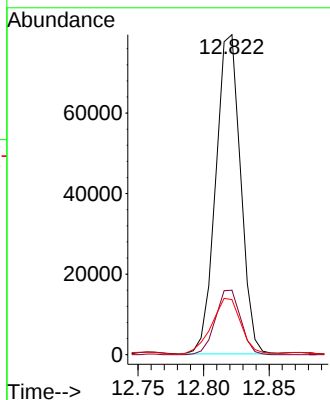
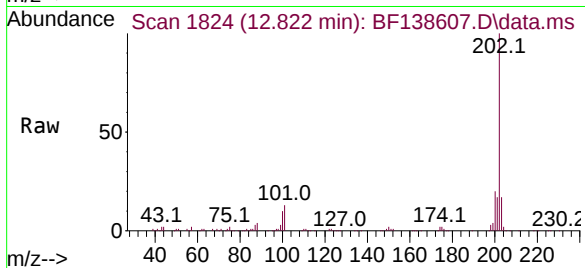
Tgt Ion:202 Resp: 104445

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

203 17.2 13.7 20.5



#79

Terphenyl-d14

Concen: 63.447 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

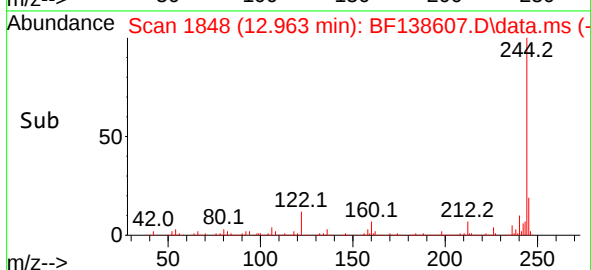
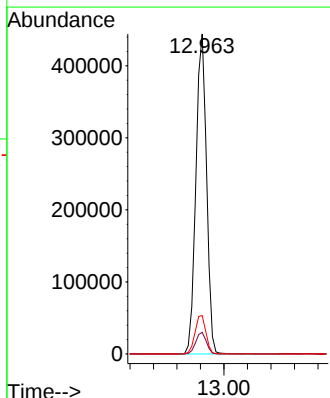
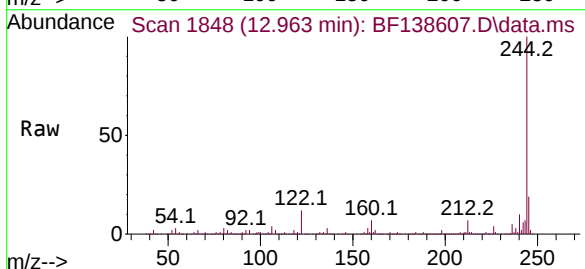
Tgt Ion:244 Resp: 557642

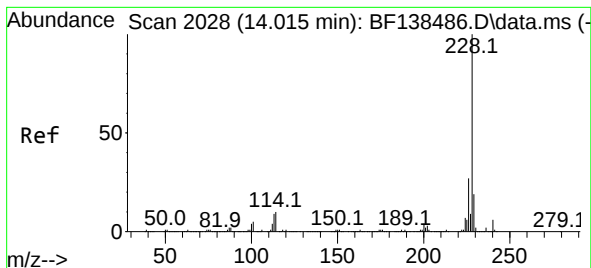
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 12.0 7.8 11.8#





#81

Benzo(a)anthracene

Concen: 4.853 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

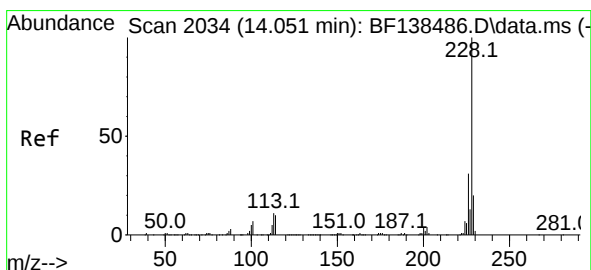
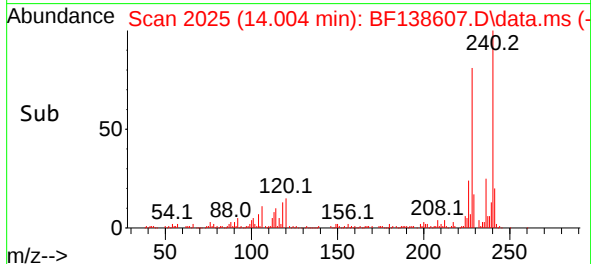
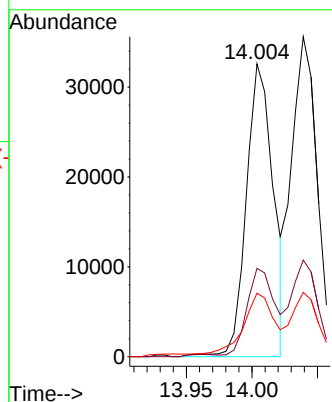
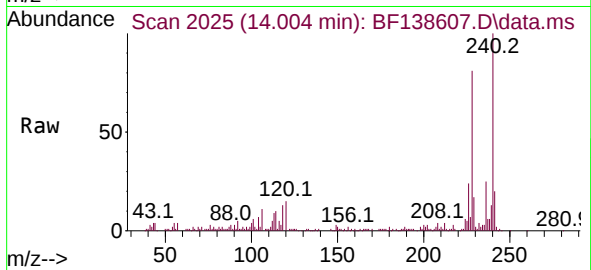
Tgt Ion:228 Resp: 46627

Ion Ratio Lower Upper

228 100

226 30.2 21.9 32.9

229 21.7 15.5 23.3



#83

Chrysene

Concen: 5.298 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

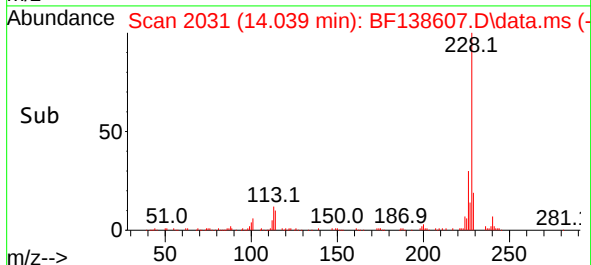
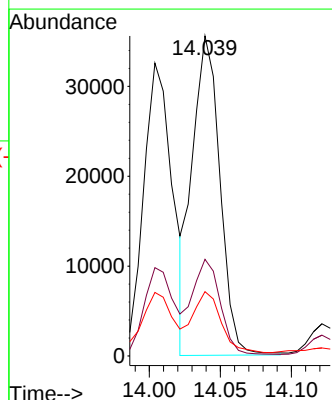
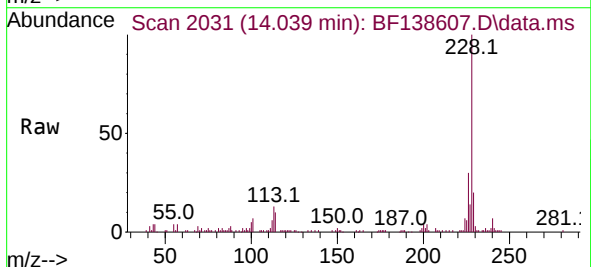
Tgt Ion:228 Resp: 48151

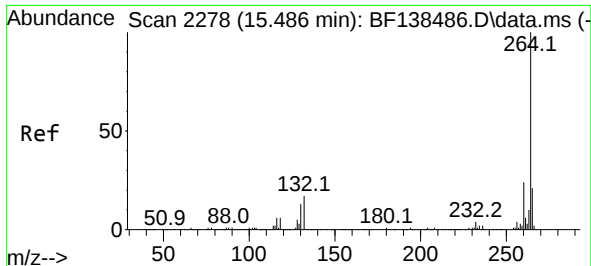
Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 20.1 16.0 24.0

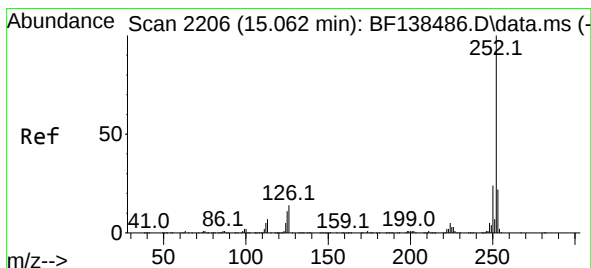
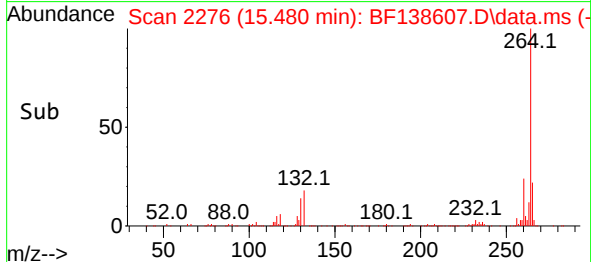
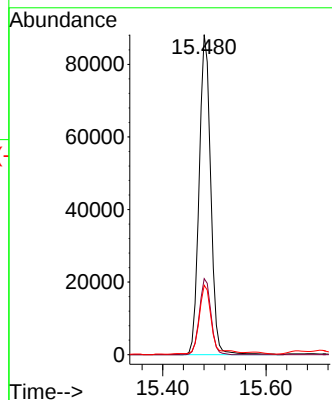
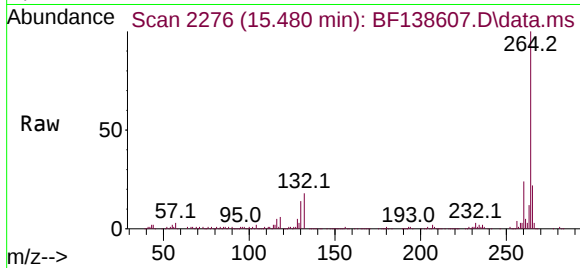




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

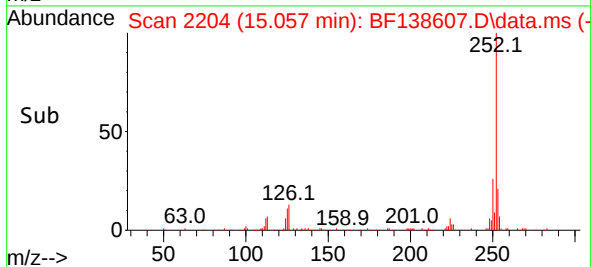
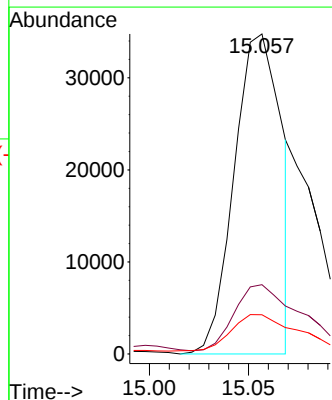
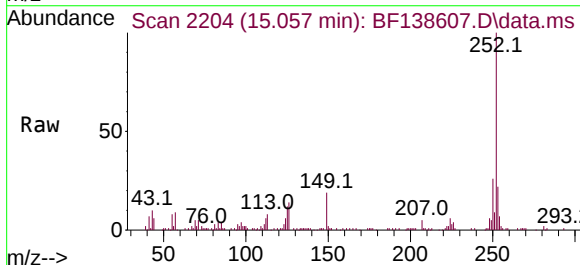
Instrument :
BNA_F
ClientSampleId :
VNJ206

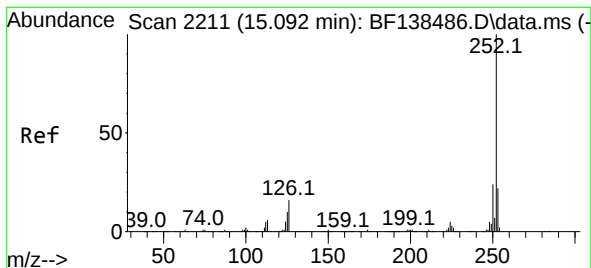
Tgt Ion:264 Resp: 136636
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.7 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 7.492 ng m
RT: 15.057 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:252 Resp: 57651
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 12.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 2.948 ng m

RT: 15.069 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

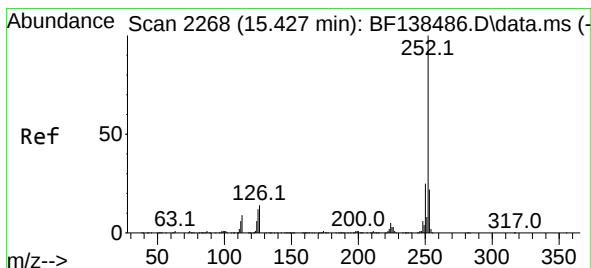
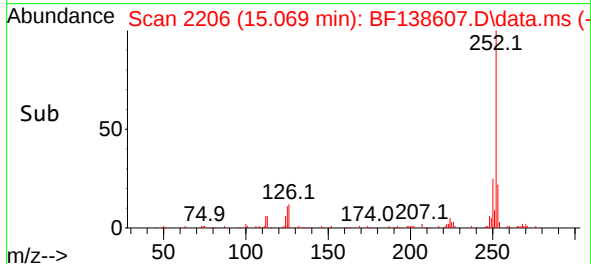
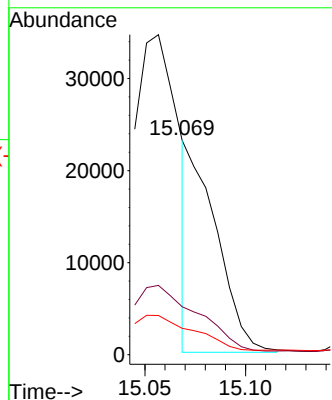
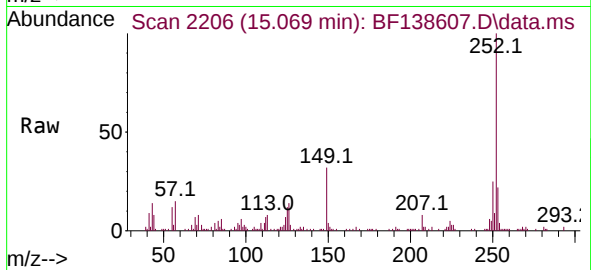
Tgt Ion:252 Resp: 22124

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 12.3 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 5.250 ng

RT: 15.416 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

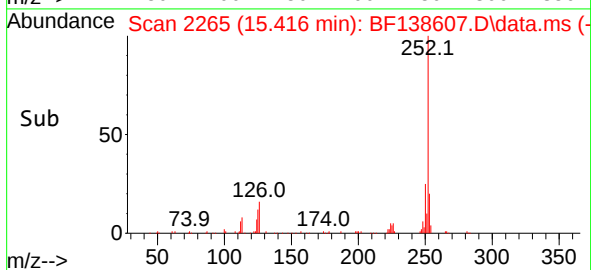
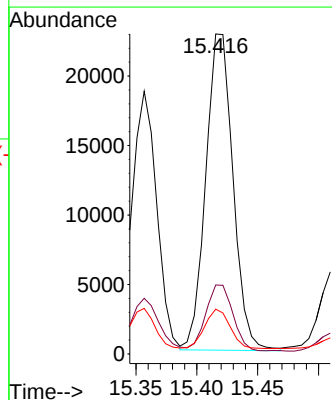
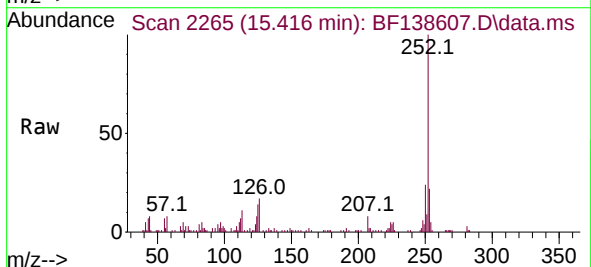
Tgt Ion:252 Resp: 35489

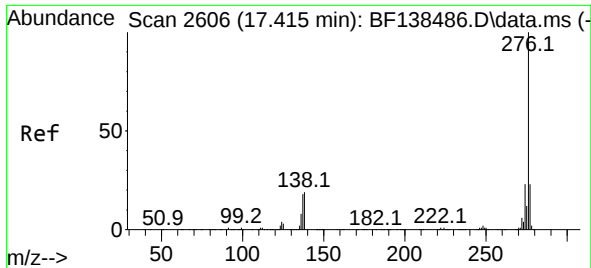
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

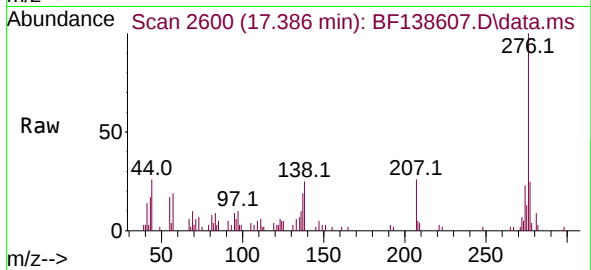
125 14.0 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.359 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF138607.D
 Acq: 22 Jul 2024 14:44

Instrument :
 BNA_F
 ClientSampleId :
 VNJ206



Tgt Ion:	276	Resp:	18779
Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.0	27.0
138	25.5	15.5	23.3#

