

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138704.D
 Acq On : 31 Jul 2024 16:00
 Operator : RC/JU
 Sample : P3372-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-07252024

Quant Time: Jul 31 16:35:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

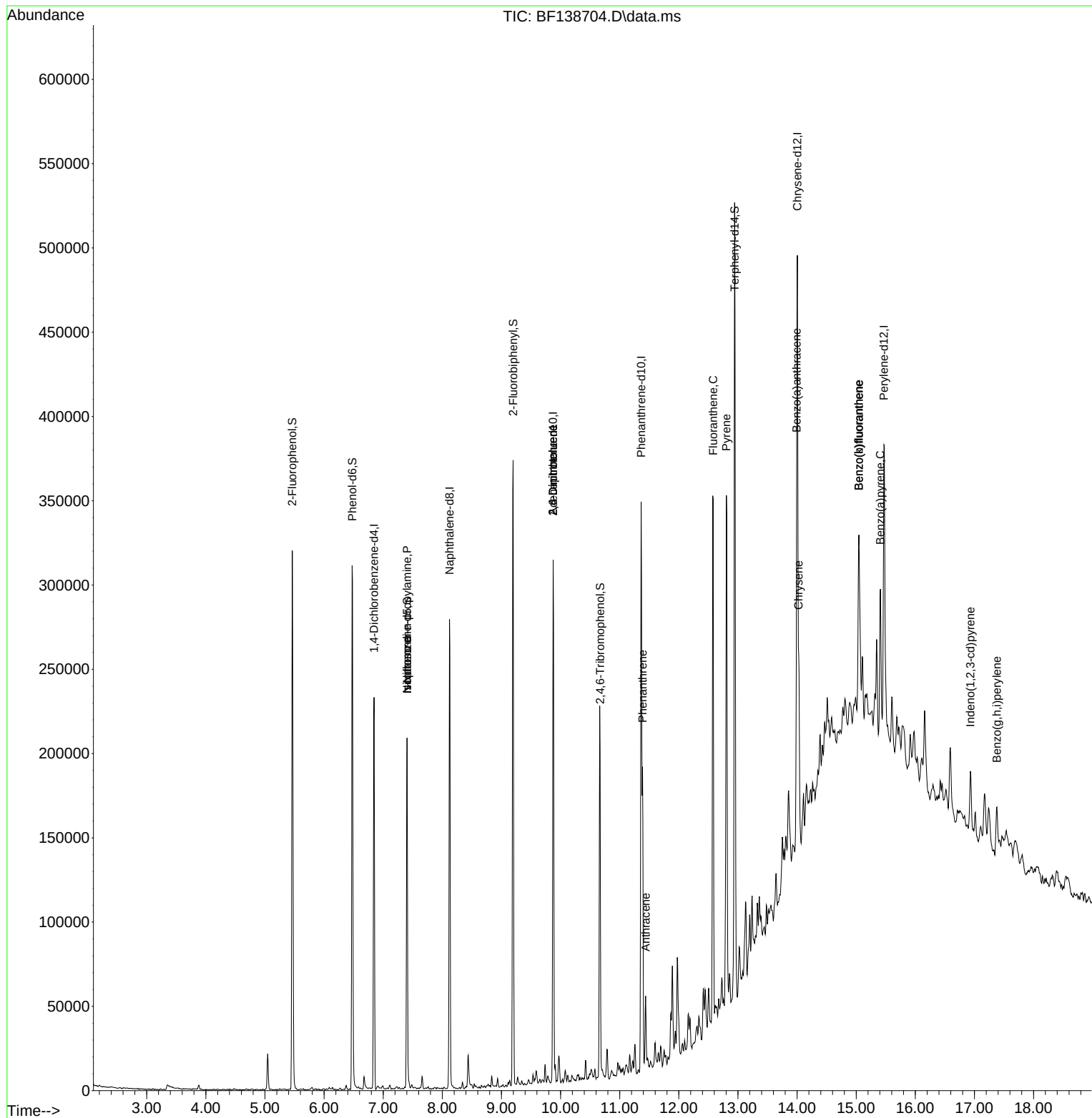
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	44972	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	166819	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	85770	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	164867	20.000	ng	0.00
76) Chrysene-d12	14.004	240	121496	20.000	ng	0.00
86) Perylene-d12	15.468	264	89043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	110382	37.888	ng	0.00
7) Phenol-d6	6.475	99	138941	35.521	ng	-0.01
23) Nitrobenzene-d5	7.404	82	85926	25.183	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	29835	42.465	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	152398	26.697	ng	0.00
79) Terphenyl-d14	12.945	244	214851	29.607	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	11655	4.933	ng	# 76
25) Isophorone	7.404	82	85925	14.748	ng	# 66
51) 2,6-Dinitrotoluene	9.875	165	11550	9.332	ng	# 22
57) 2,4-Dinitrotoluene	9.875	165	11550	7.314	ng	# 18
71) Phenanthrene	11.386	178	88842	10.465	ng	99
72) Anthracene	11.439	178	24240	2.898	ng	99
75) Fluoranthene	12.580	202	178426	22.513	ng	99
78) Pyrene	12.804	202	169958	14.857	ng	98
81) Benzo(a)anthracene	13.992	228	69321	8.286	ng	97
83) Chrysene	14.027	228	58911	7.805	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.933	276	23078	3.617	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	80403	14.566	ng	# 92
89) Benzo(k)fluoranthene	15.045	252	80403	16.824	ng	# 92
90) Benzo(a)pyrene	15.410	252	41393	8.915	ng	93
92) Benzo(g,h,i)perylene	17.380	276	22518	4.143	ng	# 91

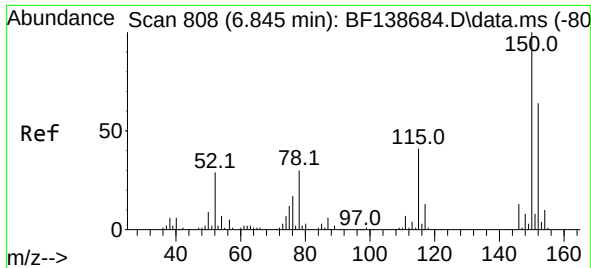
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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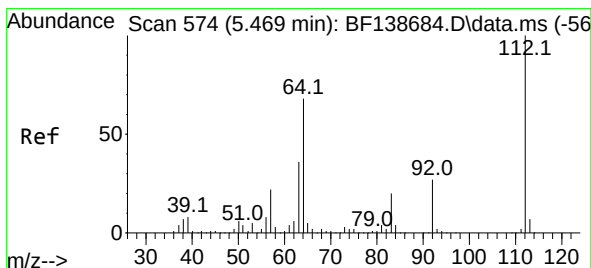
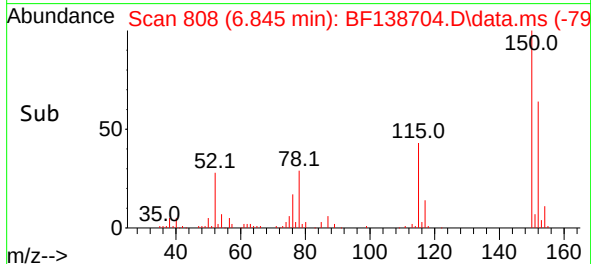
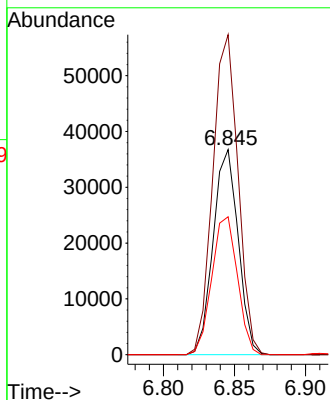
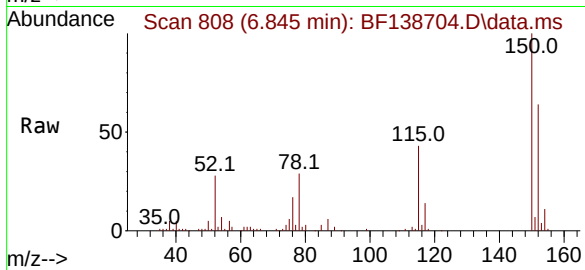




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.845 min Scan# 808
 Delta R.T. 0.000 min
 Lab File: BF138704.D
 Acq: 31 Jul 2024 16:00

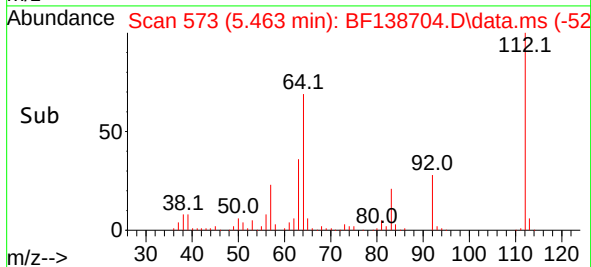
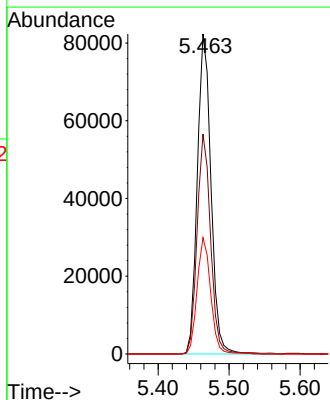
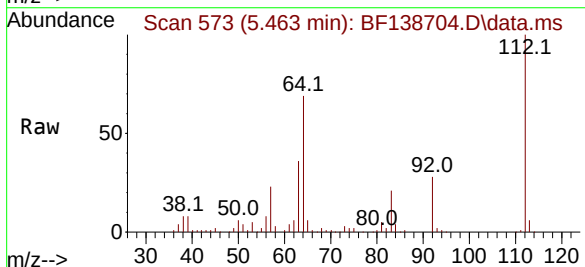
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-07252024

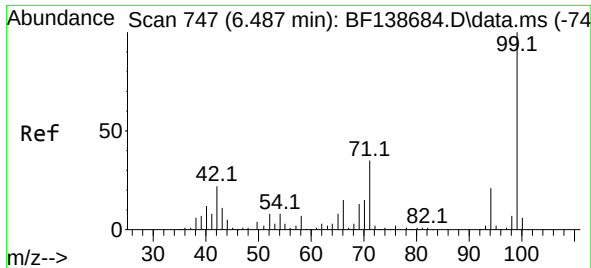
Tgt Ion:152 Resp: 44972
 Ion Ratio Lower Upper
 152 100
 150 156.0 126.0 189.0
 115 67.2 51.7 77.5



#5
 2-Fluorophenol
 Concen: 37.888 ng
 RT: 5.463 min Scan# 573
 Delta R.T. -0.006 min
 Lab File: BF138704.D
 Acq: 31 Jul 2024 16:00

Tgt Ion:112 Resp: 110382
 Ion Ratio Lower Upper
 112 100
 64 68.7 54.2 81.4
 63 36.3 28.7 43.1

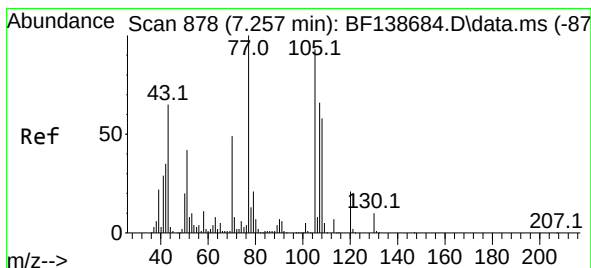
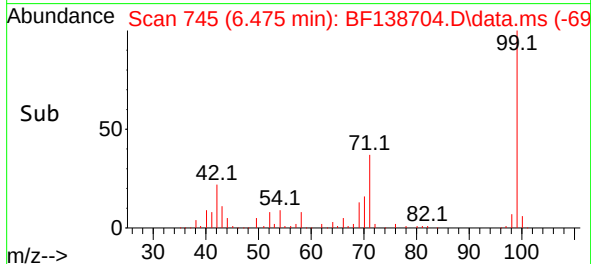
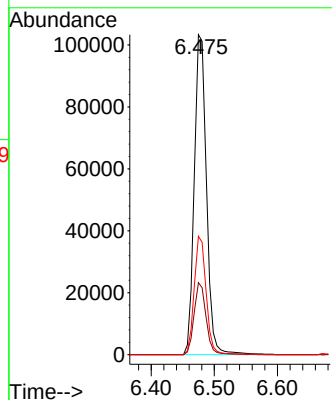
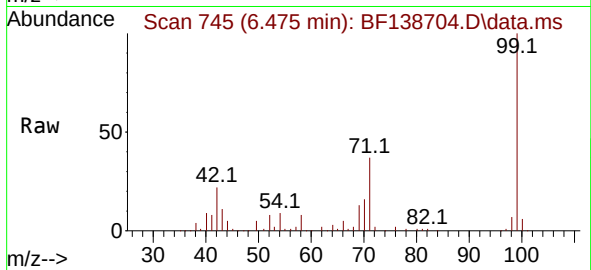




#7
Phenol-d6
Concen: 35.521 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

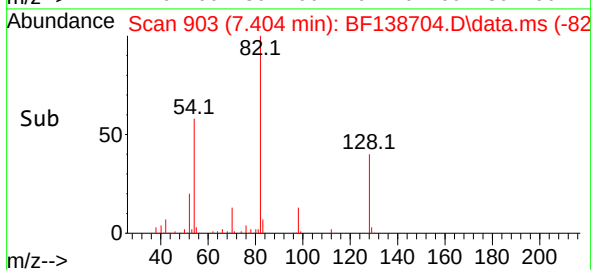
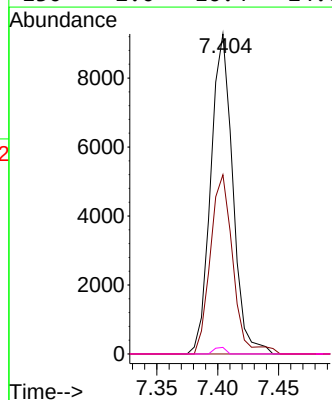
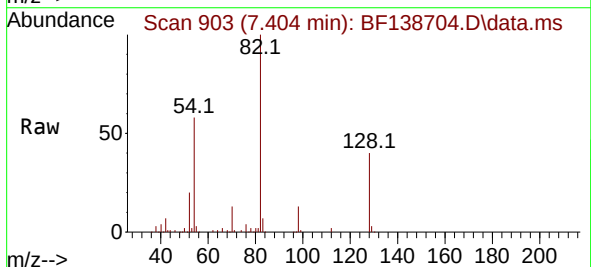
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024

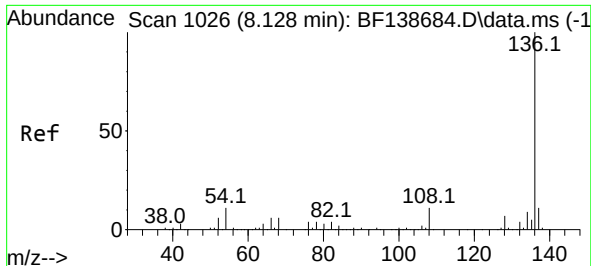
Tgt Ion: 99 Resp: 138941
Ion Ratio Lower Upper
99 100
42 22.5 17.4 26.0
71 37.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 4.933 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion: 70 Resp: 11655
Ion Ratio Lower Upper
70 100
42 56.0 57.4 86.0#
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#



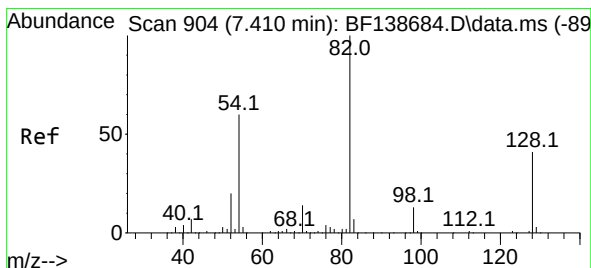
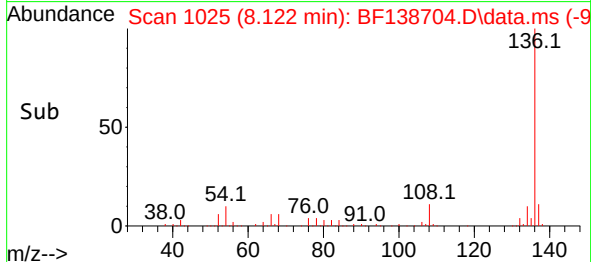
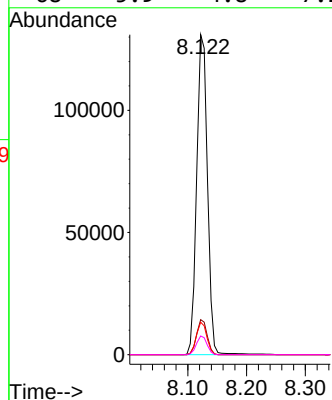
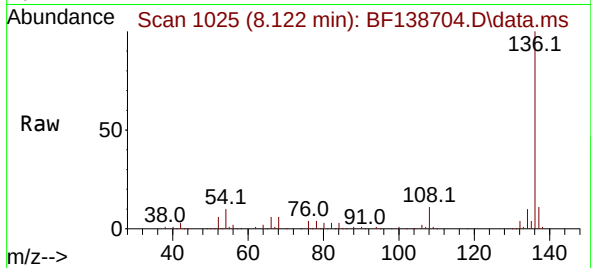


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Instrument :
BNA_F
ClientSampleId :
OR-03-07252024

Tgt Ion:136 Resp: 166819

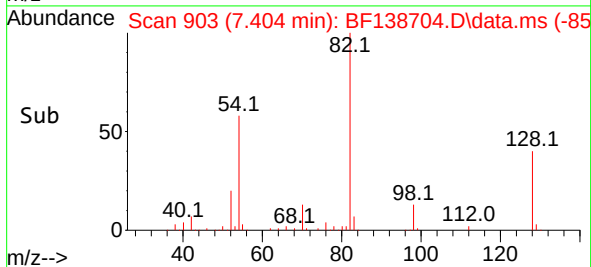
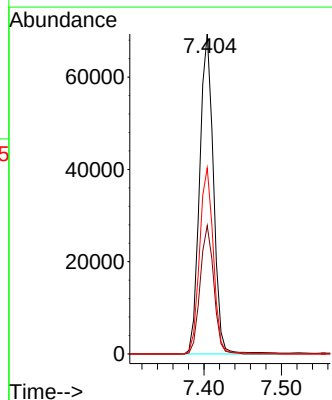
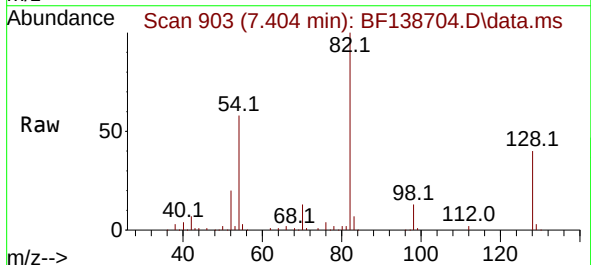
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.2	8.6	12.8
68	5.9	4.8	7.2

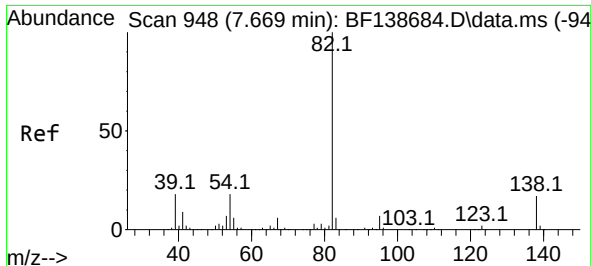


#23
Nitrobenzene-d5
Concen: 25.183 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion: 82 Resp: 85926

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.8	49.2
54	58.1	48.3	72.5

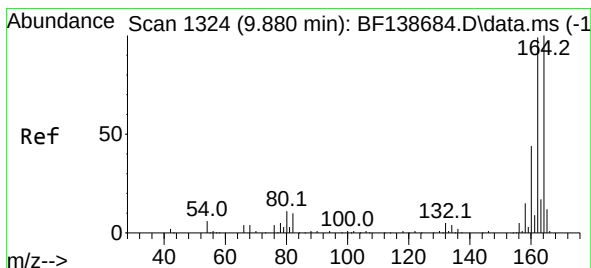
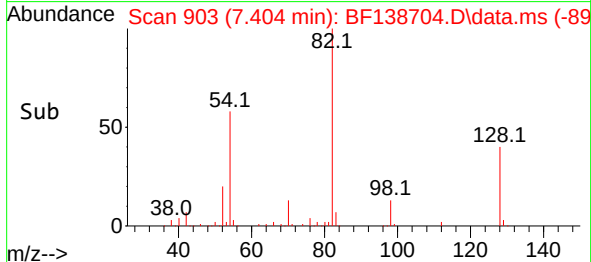
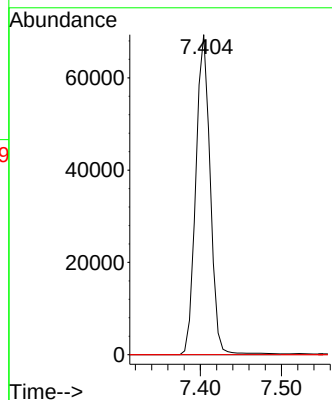
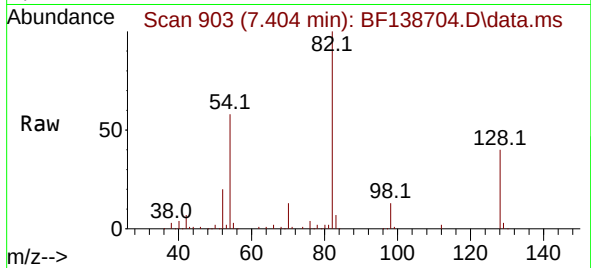




#25
Isophorone
Concen: 14.748 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

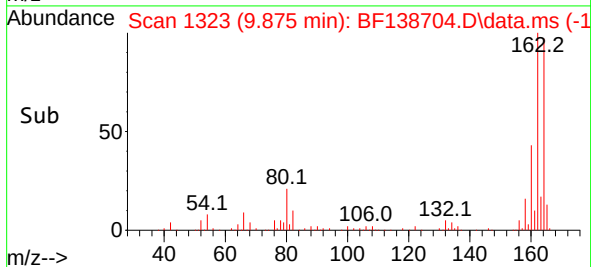
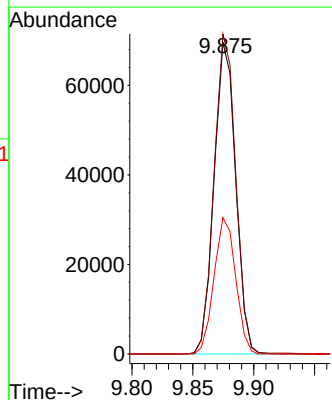
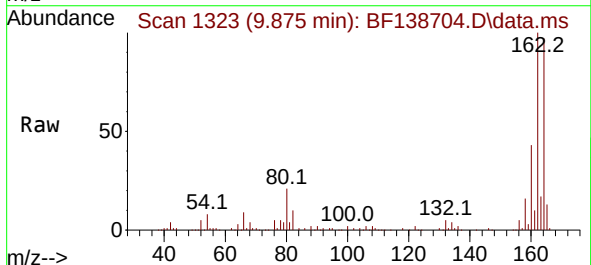
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024

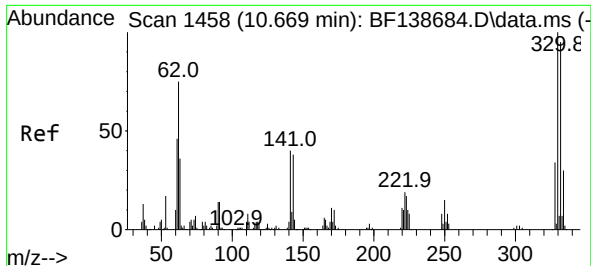
Tgt Ion: 82 Resp: 85925
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion: 164 Resp: 85770
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 43.7 35.1 52.7

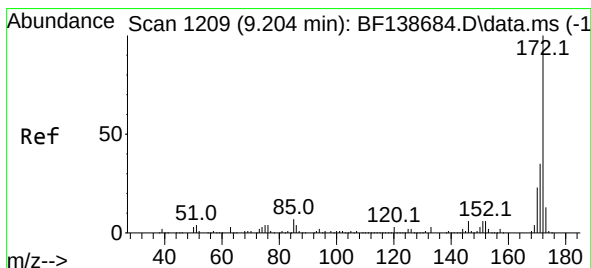
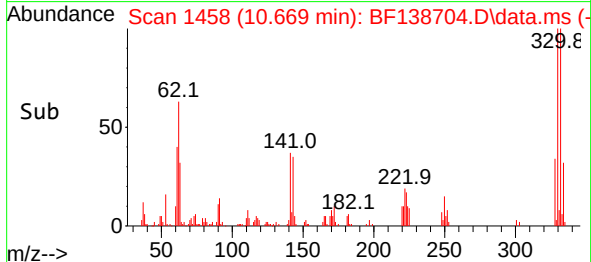
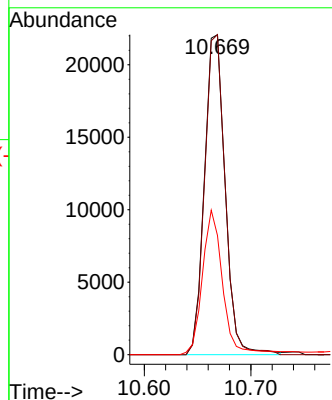
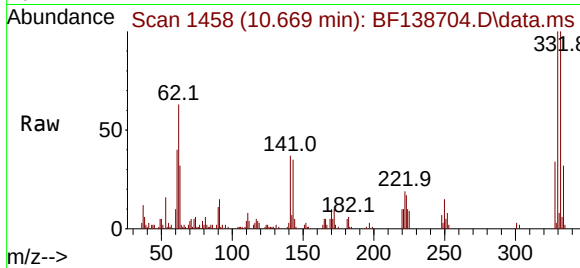




#42
2,4,6-Tribromophenol
Concen: 42.465 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

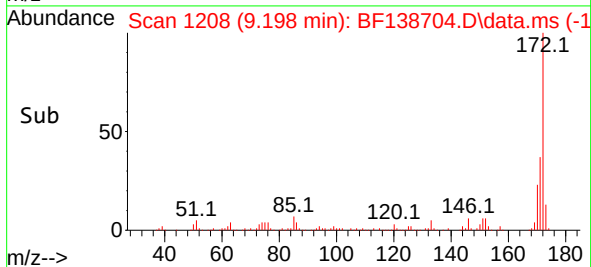
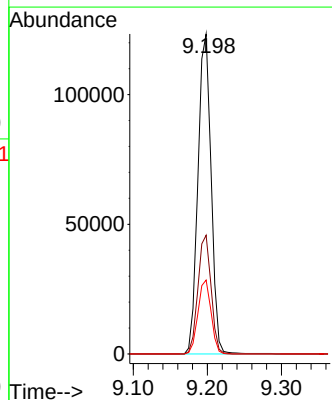
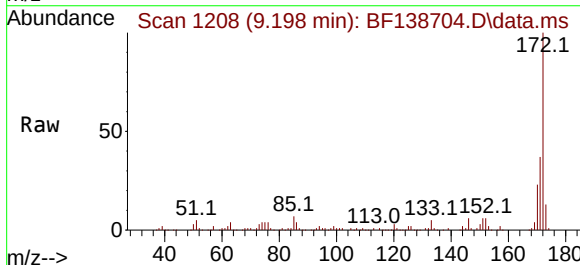
Instrument :
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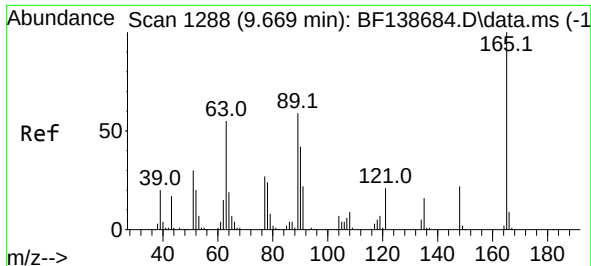
Tgt Ion: 330 Resp: 29835
Ion Ratio Lower Upper
330 100
332 99.1 76.4 114.6
141 45.5 31.1 46.7



#45
2-Fluorobiphenyl
Concen: 26.697 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion: 172 Resp: 152398
Ion Ratio Lower Upper
172 100
171 37.1 28.3 42.5
170 23.1 18.8 28.2

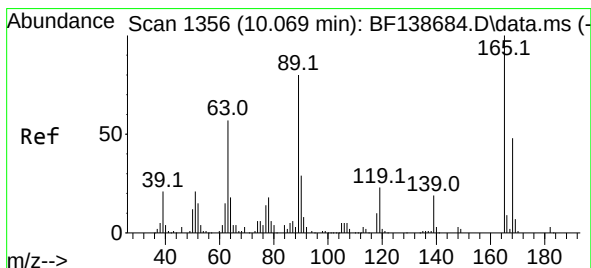
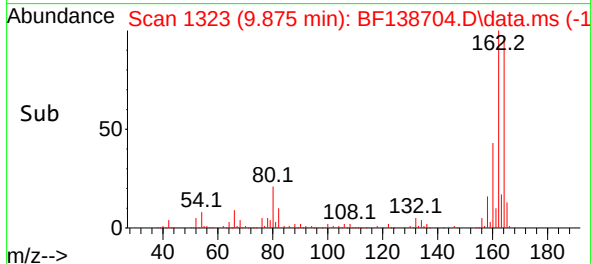
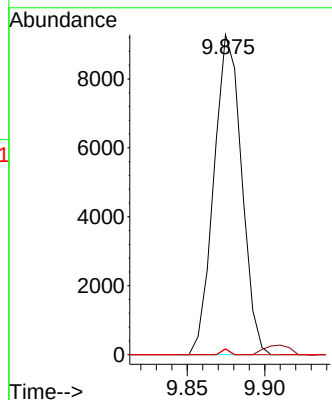
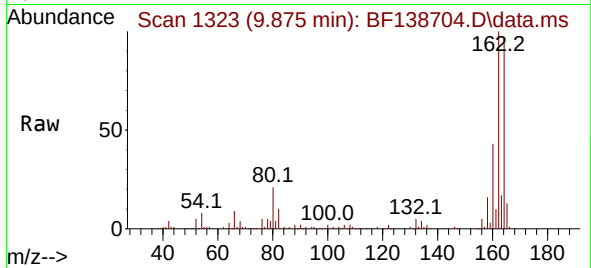




#51
2,6-Dinitrotoluene
Concen: 9.332 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

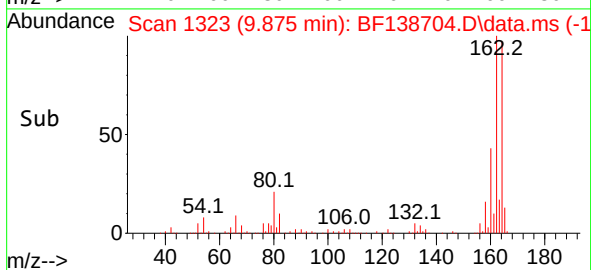
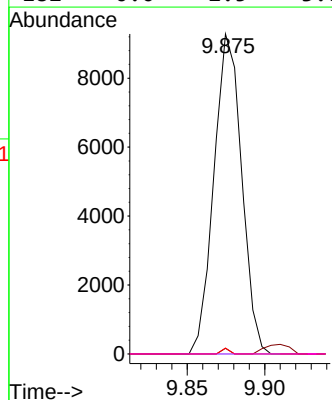
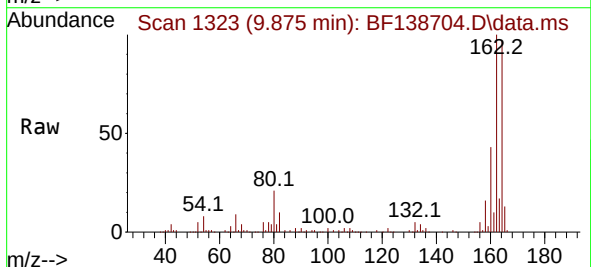
Instrument :
BNA_F
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OR-03-07252024

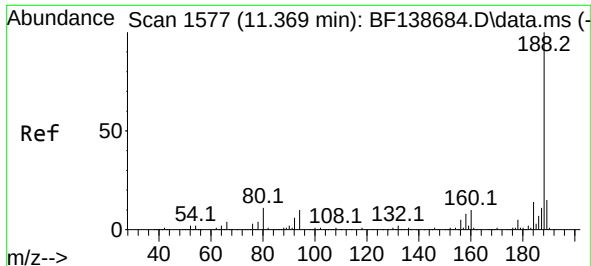
Tgt Ion:165 Resp: 11550
Ion Ratio Lower Upper
165 100
63 1.8 52.0 78.0#
89 1.8 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.314 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion:165 Resp: 11550
Ion Ratio Lower Upper
165 100
63 1.8 46.3 69.5#
89 1.8 64.2 96.4#
182 0.0 2.5 3.7#

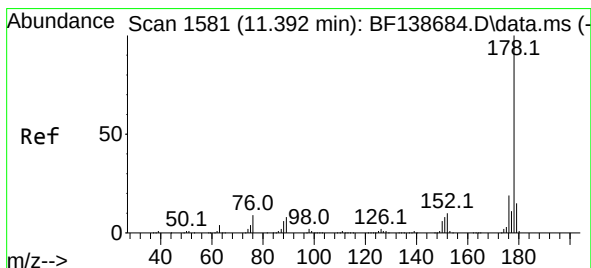
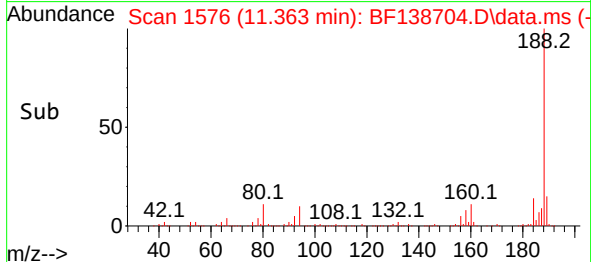
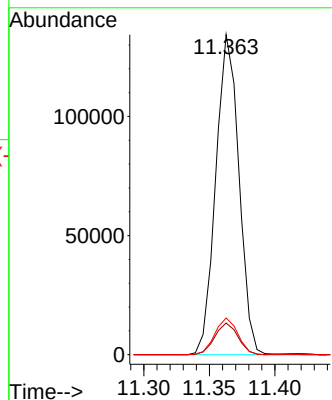
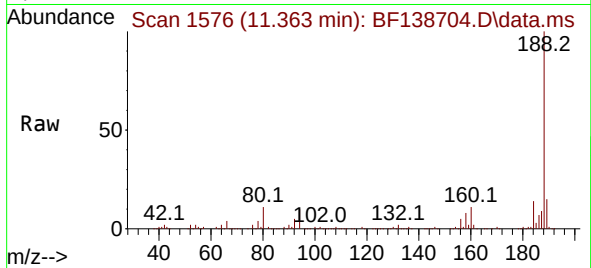




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

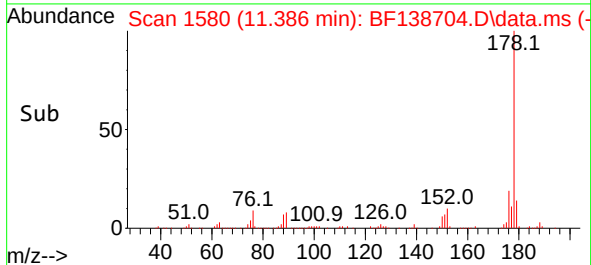
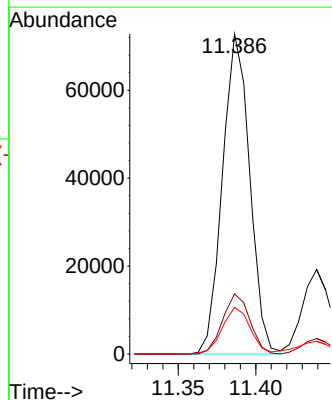
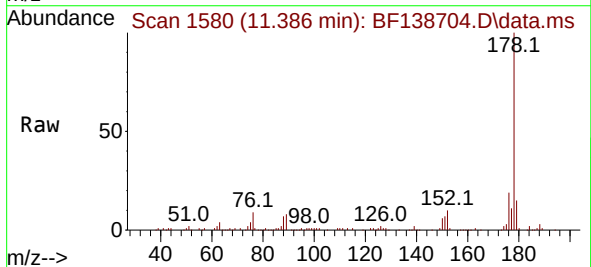
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024

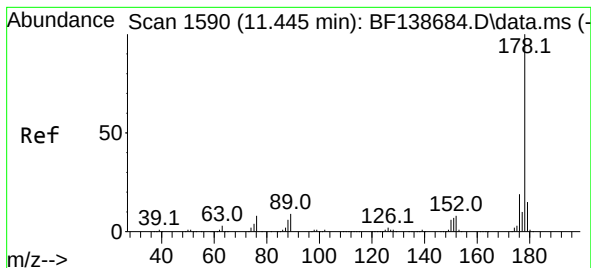
Tgt Ion:188 Resp: 164867
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 11.5 8.6 12.8



#71
Phenanthrene
Concen: 10.465 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

Tgt Ion:178 Resp: 88842
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 14.6 12.2 18.2





#72

Anthracene

Concen: 2.898 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

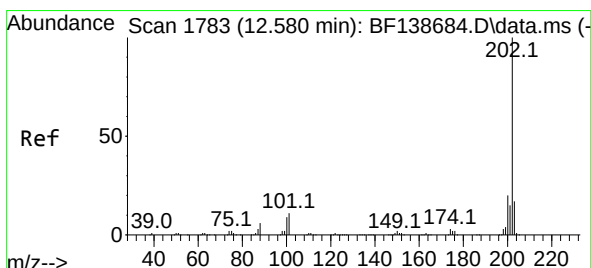
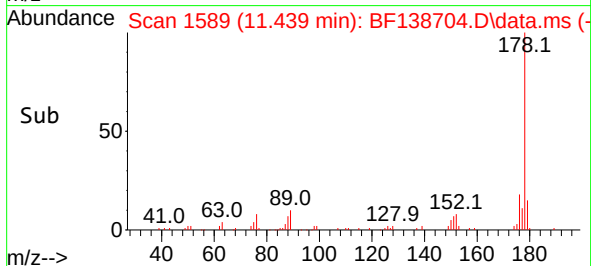
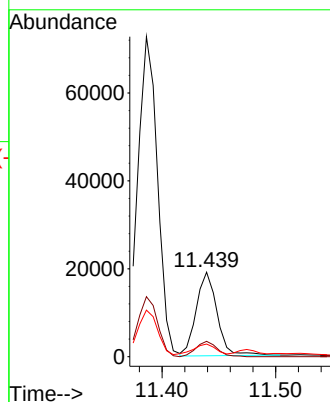
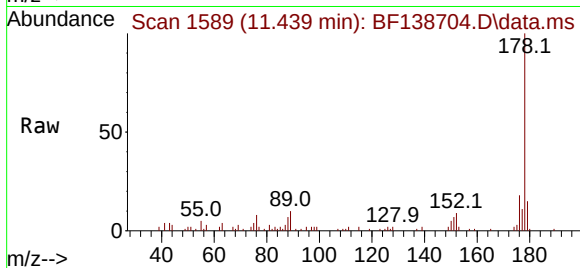
Tgt Ion:178 Resp: 24240

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

179 15.0 12.4 18.6



#75

Fluoranthene

Concen: 22.513 ng

RT: 12.580 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

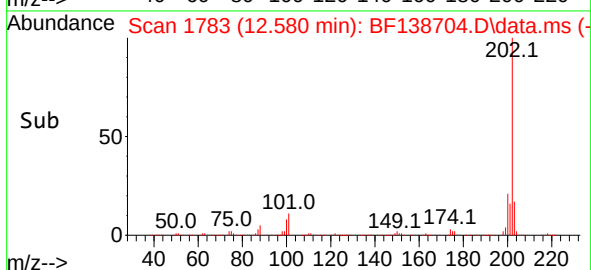
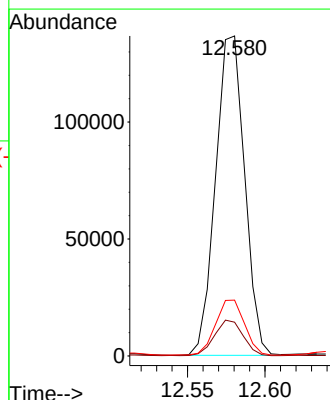
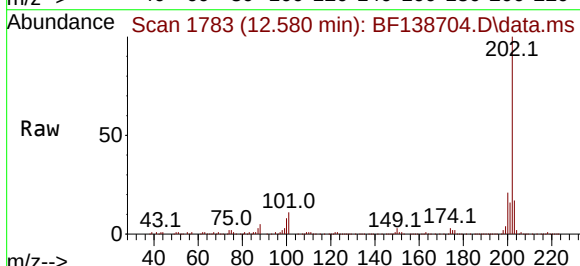
Tgt Ion:202 Resp: 178426

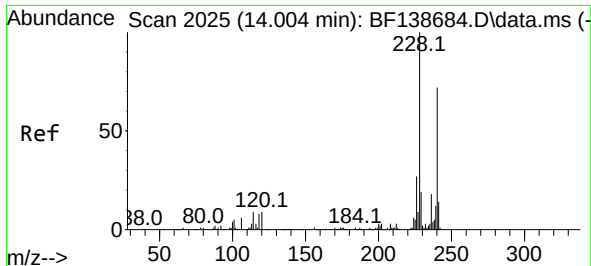
Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.2

203 17.5 0.0 37.3

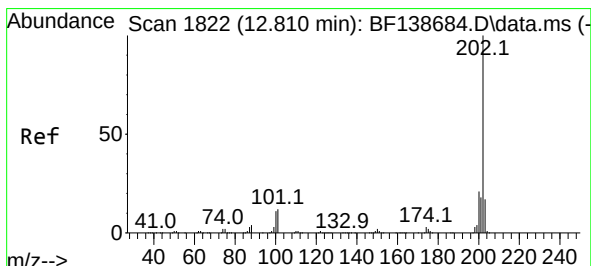
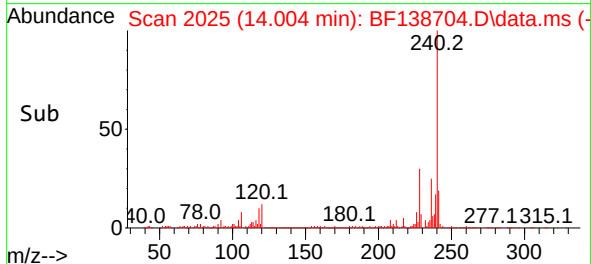
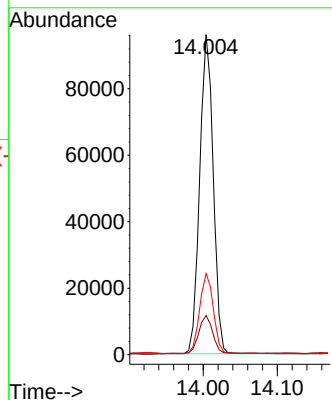
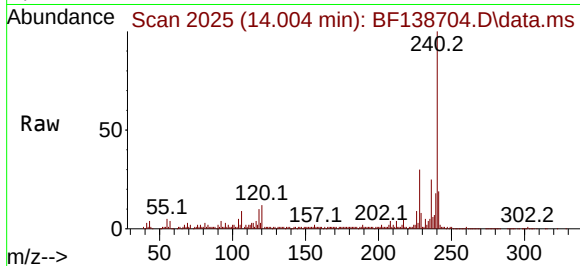




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

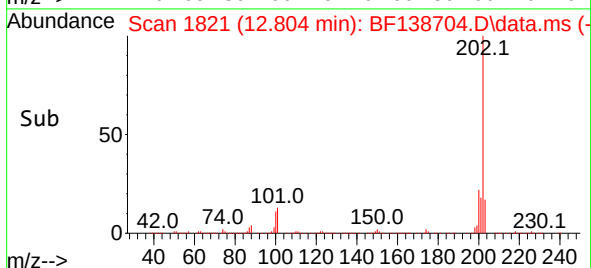
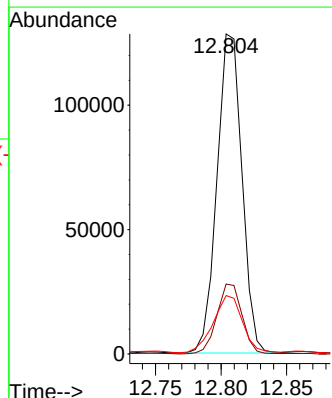
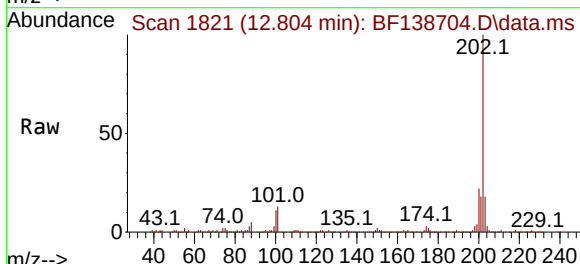
Instrument :
BNA_F
ClientSampleId :
OR-03-07252024

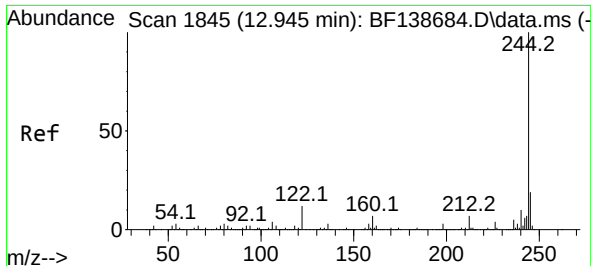
Tgt Ion:240 Resp: 121496
Ion Ratio Lower Upper
240 100
120 12.2 10.2 15.4
236 25.4 19.8 29.8



#78
Pyrene
Concen: 14.857 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138704.D
Acq: 31 Jul 2024 16:00

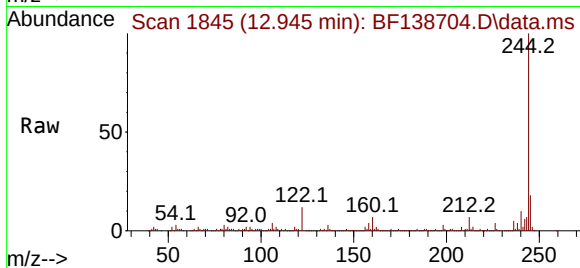
Tgt Ion:202 Resp: 169958
Ion Ratio Lower Upper
202 100
200 21.9 16.8 25.2
203 18.3 13.8 20.6





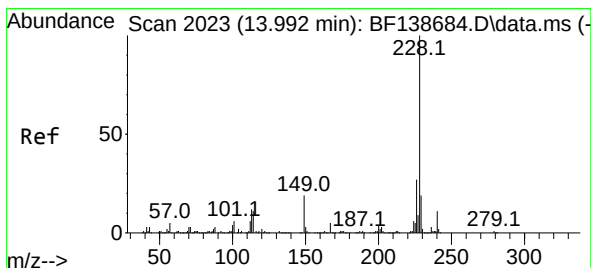
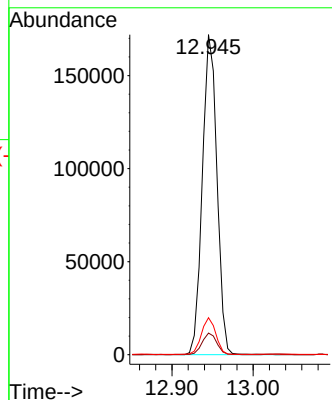
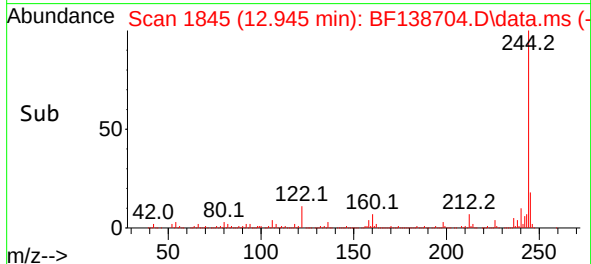
#79
 Terphenyl-d14
 Concen: 29.607 ng
 RT: 12.945 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BF138704.D
 Acq: 31 Jul 2024 16:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-07252024

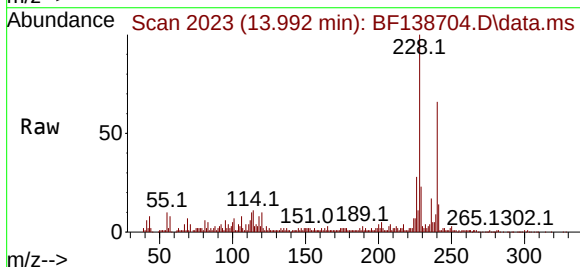


Tgt Ion:244 Resp: 214851

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.6	9.6	14.4

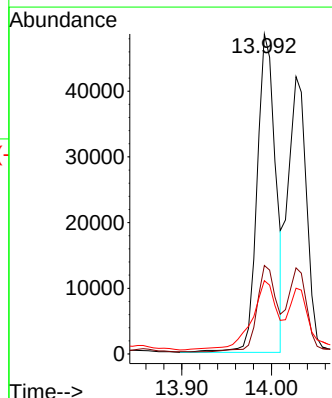
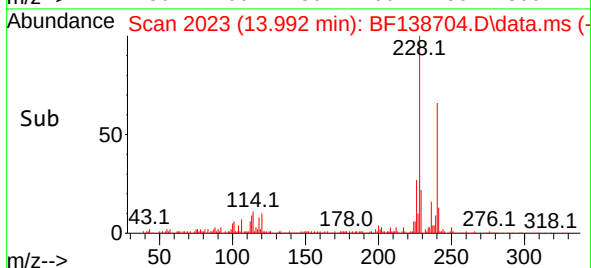


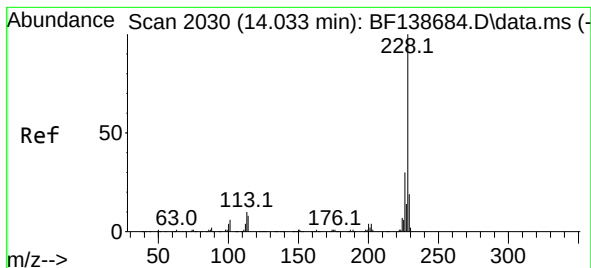
#81
 Benzo(a)anthracene
 Concen: 8.286 ng
 RT: 13.992 min Scan# 2023
 Delta R.T. 0.000 min
 Lab File: BF138704.D
 Acq: 31 Jul 2024 16:00



Tgt Ion:228 Resp: 69321

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	22.9	15.4	23.0





#83

Chrysene

Concen: 7.805 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

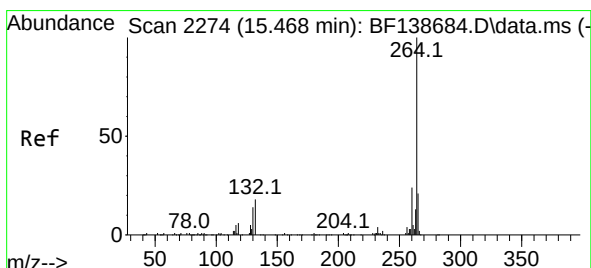
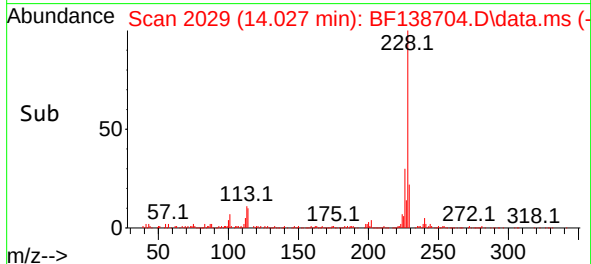
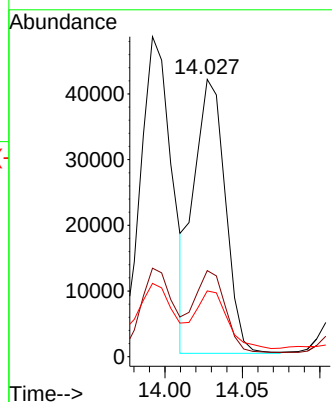
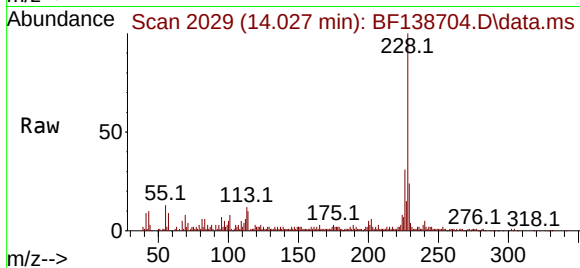
Tgt Ion:228 Resp: 58911

Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 23.7 15.0 22.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

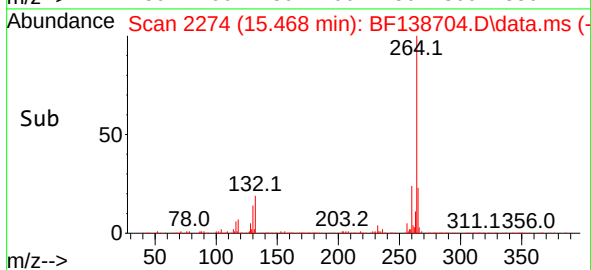
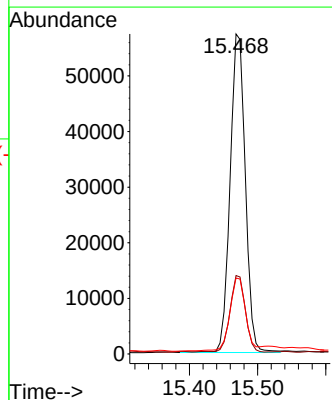
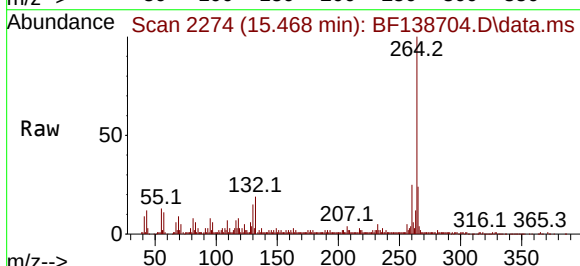
Tgt Ion:264 Resp: 89043

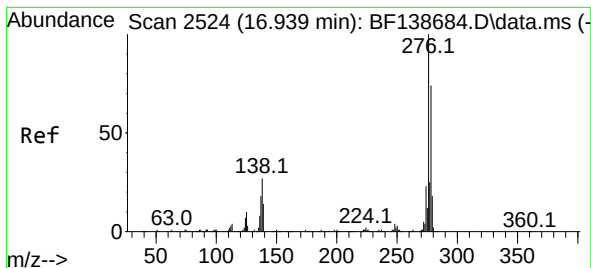
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 23.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.617 ng

RT: 16.933 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

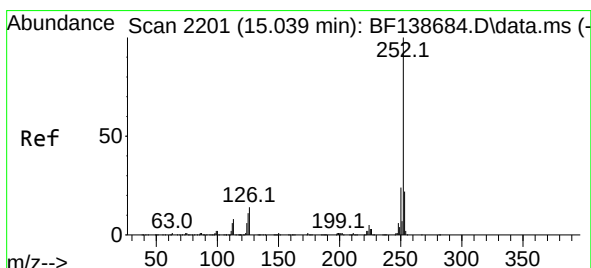
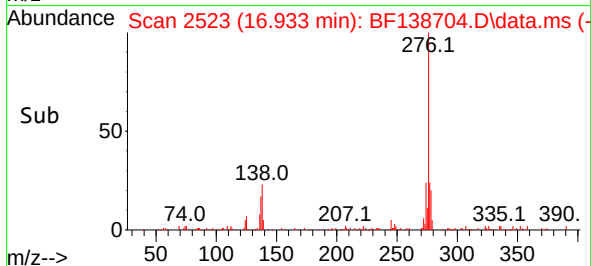
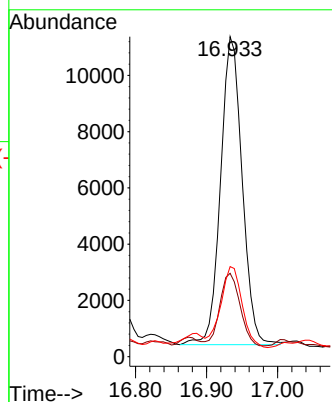
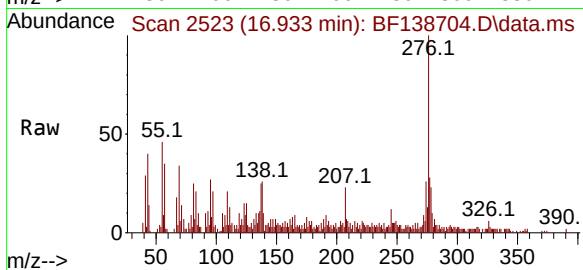
Tgt Ion:276 Resp: 23078

Ion Ratio Lower Upper

276 100

138 21.8 21.8 32.8#

277 26.1 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 14.566 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

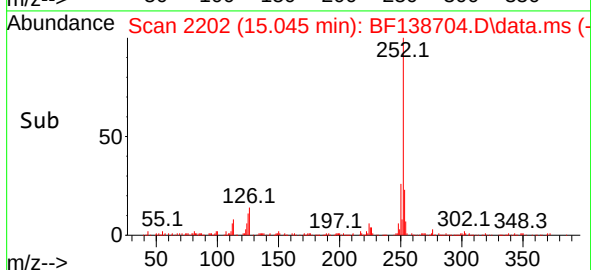
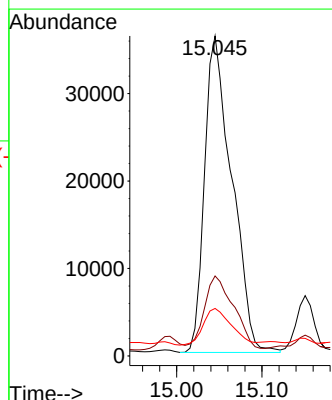
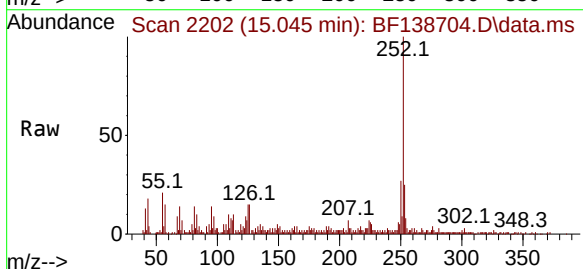
Tgt Ion:252 Resp: 80403

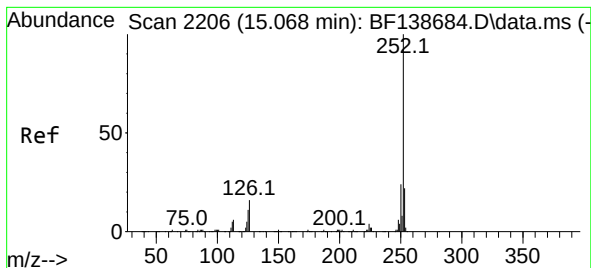
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 14.8 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 16.824 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024

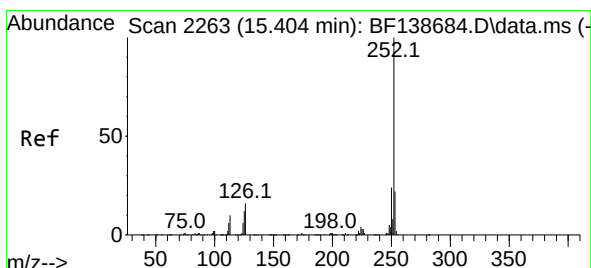
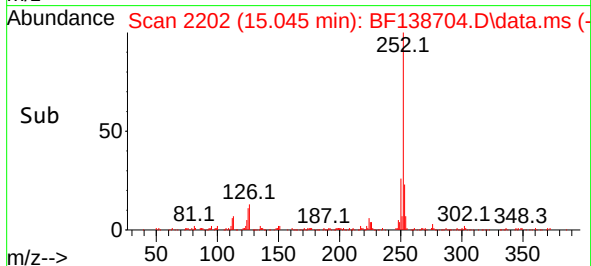
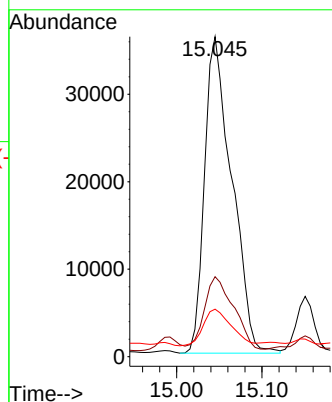
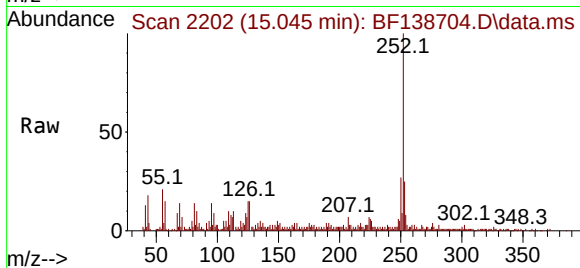
Tgt Ion:252 Resp: 80403

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

125 14.8 8.6 13.0#



#90

Benzo(a)pyrene

Concen: 8.915 ng

RT: 15.410 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF138704.D

Acq: 31 Jul 2024 16:00

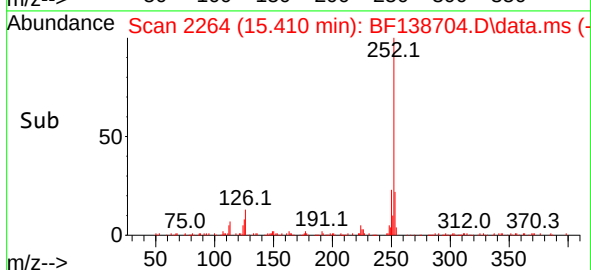
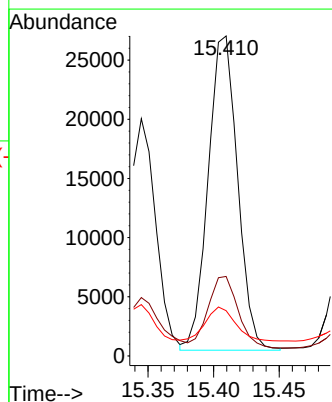
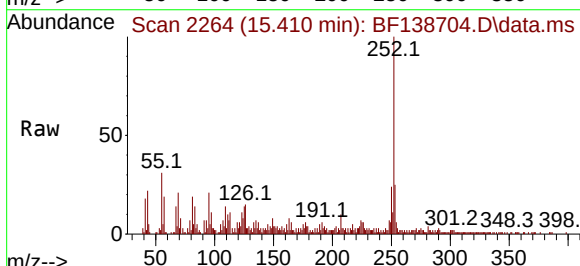
Tgt Ion:252 Resp: 41393

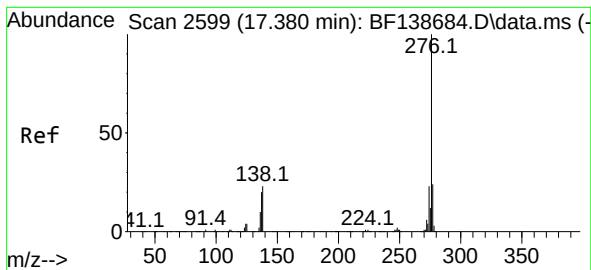
Ion Ratio Lower Upper

252 100

253 24.9 17.3 25.9

125 14.1 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 4.143 ng

RT: 17.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138704.D

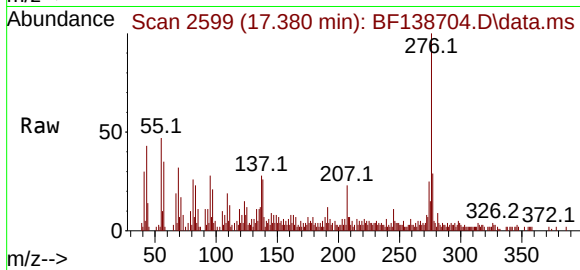
Acq: 31 Jul 2024 16:00

Instrument :

BNA_F

ClientSampleId :

OR-03-07252024



Tgt Ion:276 Resp: 22518

Ion Ratio Lower Upper

276 100

277 29.0 19.0 28.4#

138 26.4 18.5 27.7

