

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138798.D
 Acq On : 05 Aug 2024 22:03
 Operator : RC/JU
 Sample : P3414-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-07312024-ADL

Quant Time: Aug 06 00:57:33 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)

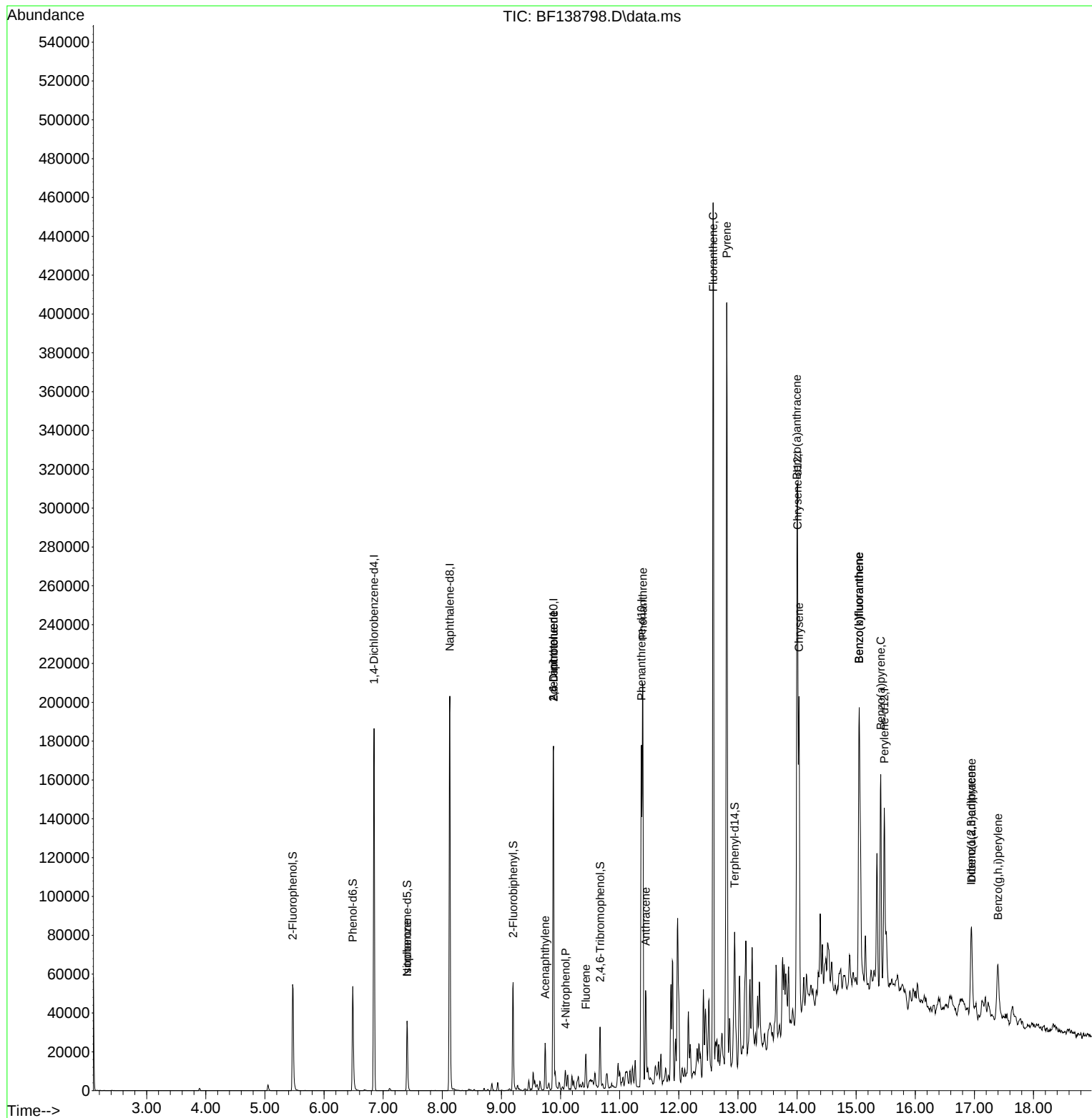
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	37014	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	125815	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	52733	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	90411	20.000	ng	0.00
76) Chrysene-d12	14.010	240	55731	20.000	ng	0.00
86) Perylene-d12	15.474	264	49195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	22032	9.188	ng	0.00
7) Phenol-d6	6.487	99	27298	8.479	ng	0.00
23) Nitrobenzene-d5	7.404	82	16019	6.225	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	3785	8.763	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	26905	7.666	ng	0.00
79) Terphenyl-d14	12.945	244	26744	8.034	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.404	82	16019	3.646	ng	# 66
49) Acenaphthylene	9.739	152	14137	3.245	ng	99
51) 2,6-Dinitrotoluene	9.881	165	6987	9.182	ng	# 19
56) 4-Nitrophenol	10.086	139	1638	3.463	ng	# 1
57) 2,4-Dinitrotoluene	9.881	165	6987	7.197	ng	# 16
58) Fluorene	10.428	166	7467	2.268	ng	97
71) Phenanthrene	11.392	178	110120	23.654	ng	99
72) Anthracene	11.439	178	30318	6.611	ng	98
75) Fluoranthene	12.580	202	241695	55.611	ng	98
78) Pyrene	12.810	202	219566	41.844	ng	98
81) Benzo(a)anthracene	13.998	228	104173	27.144	ng	98
83) Chrysene	14.033	228	78264	22.604	ng	96
87) Indeno(1,2,3-cd)pyrene	16.945	276	32146	9.118	ng	92
88) Benzo(b)fluoranthene	15.051	252	117157	38.417	ng	97
89) Benzo(k)fluoranthene	15.051	252	117157	44.371	ng	97
90) Benzo(a)pyrene	15.416	252	63527	24.765	ng	96
91) Dibenzo(a,h)anthracene	16.951	278	7339	2.536	ng	# 88
92) Benzo(g,h,i)perylene	17.398	276	27919	9.297	ng	96

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

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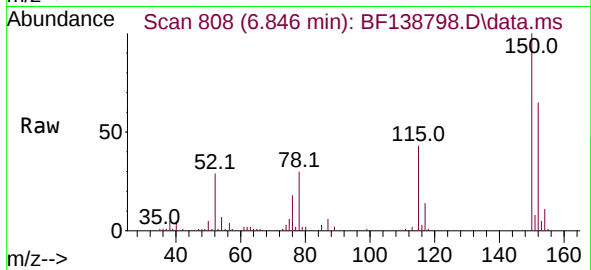
Quant Time: Aug 06 00:57:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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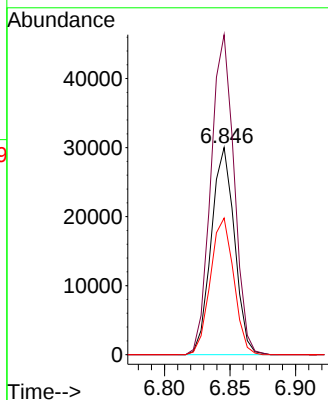
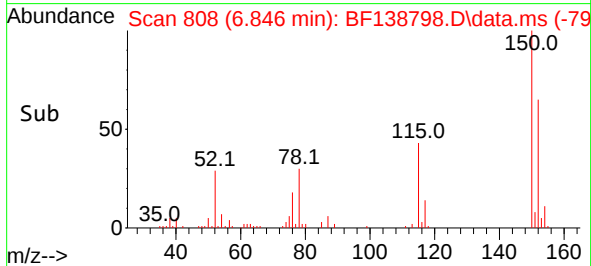


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

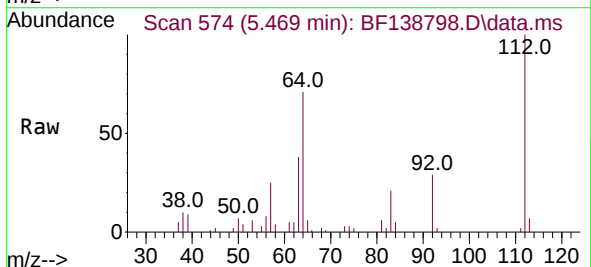
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL



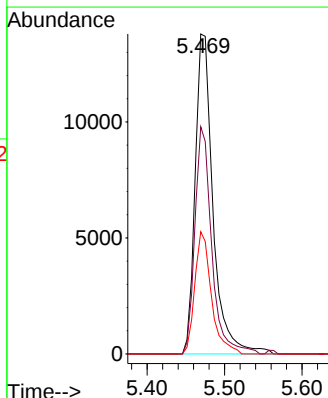
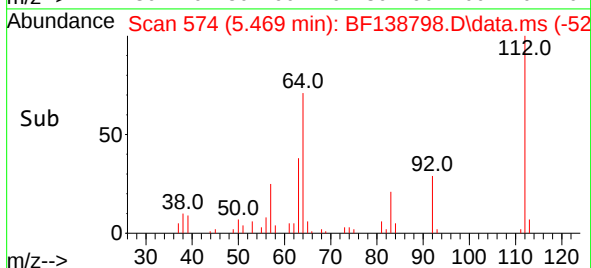
Tgt Ion:152 Resp: 37014
Ion Ratio Lower Upper
152 100
150 154.5 126.0 189.0
115 66.0 51.7 77.5



#5
2-Fluorophenol
Concen: 9.188 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03



Tgt Ion:112 Resp: 22032
Ion Ratio Lower Upper
112 100
64 71.0 54.2 81.4
63 38.2 28.7 43.1

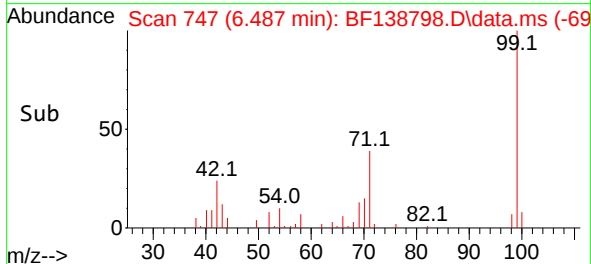
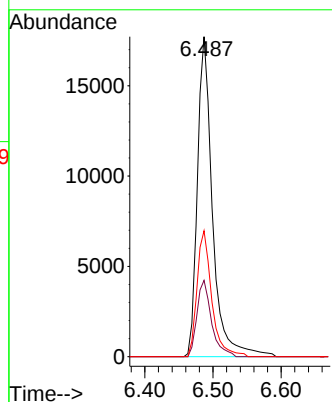
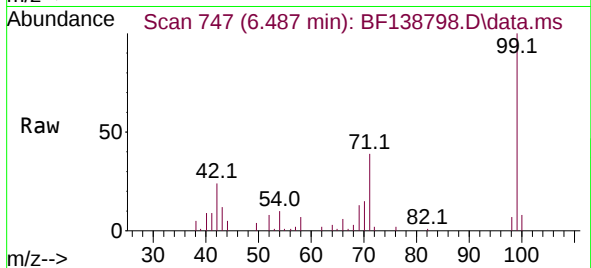




#7
Phenol-d6
Concen: 8.479 ng
RT: 6.487 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

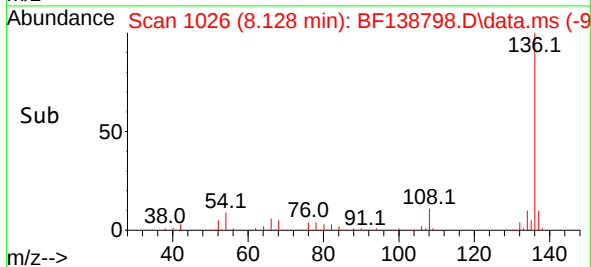
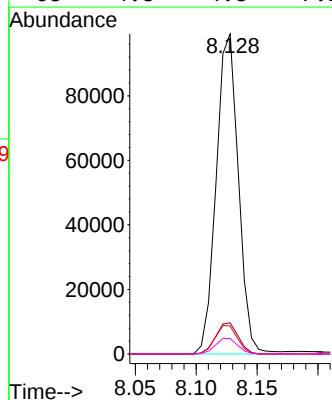
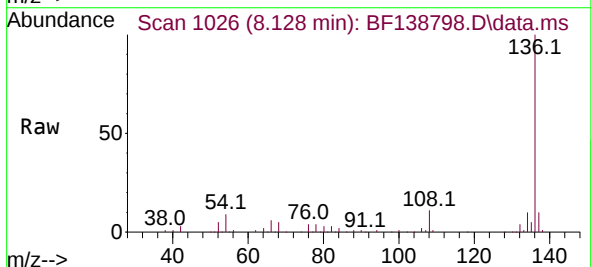
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

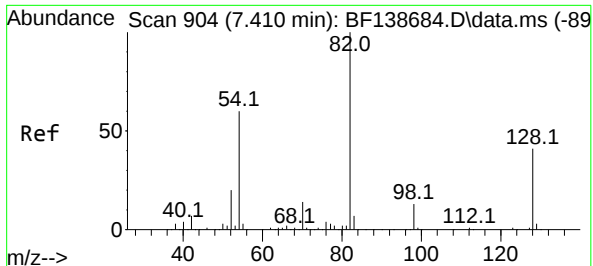
Tgt Ion: 99 Resp: 27298
Ion Ratio Lower Upper
99 100
42 23.8 17.4 26.0
71 39.3 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion: 136 Resp: 125815
Ion Ratio Lower Upper
136 100
137 9.7 8.9 13.3
54 8.7 8.6 12.8
68 4.8 4.8 7.2

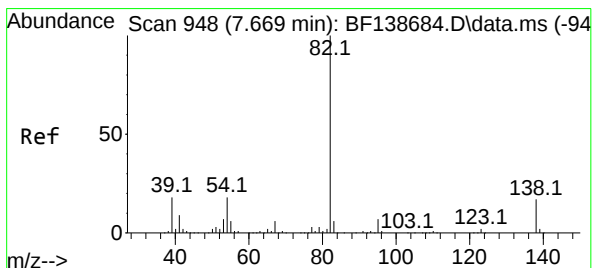
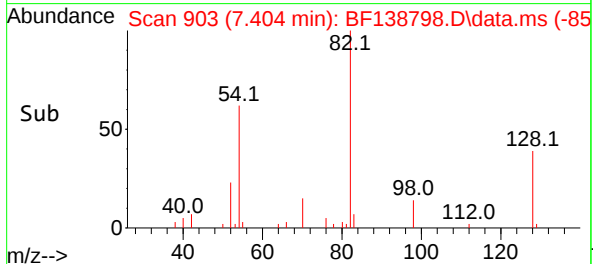
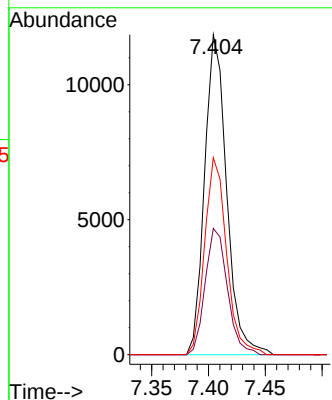
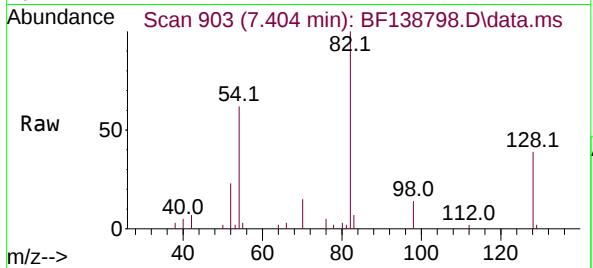




#23
Nitrobenzene-d5
Concen: 6.225 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

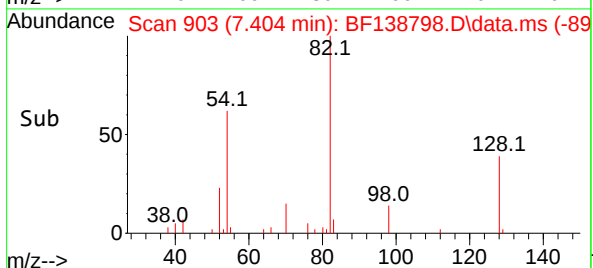
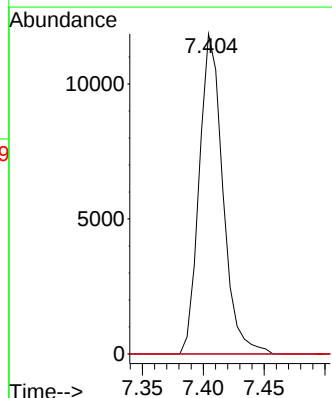
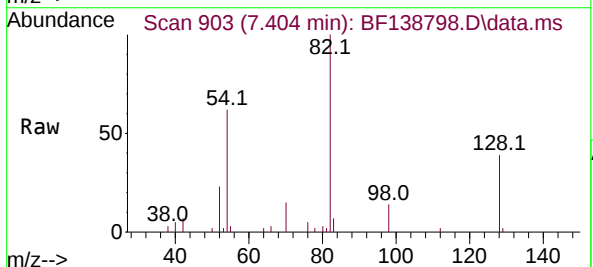
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

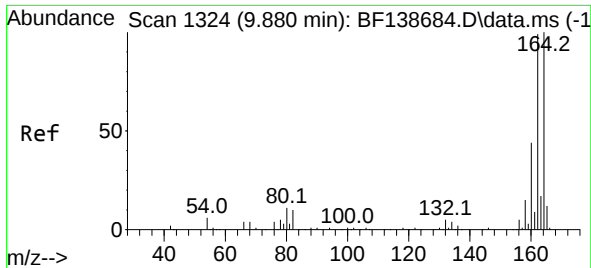
Tgt Ion: 82 Resp: 16019
Ion Ratio Lower Upper
82 100
128 39.5 32.8 49.2
54 61.6 48.3 72.5



#25
Isophorone
Concen: 3.646 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.265 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion: 82 Resp: 16019
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#

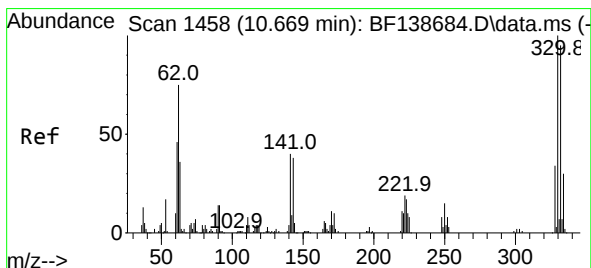
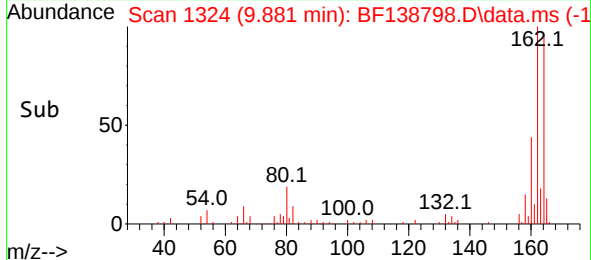
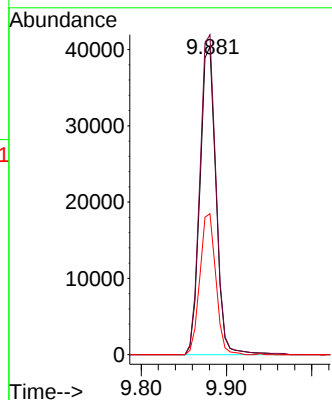
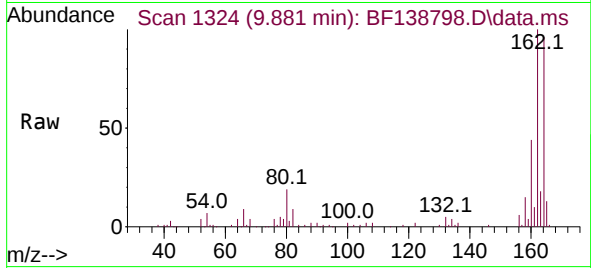




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

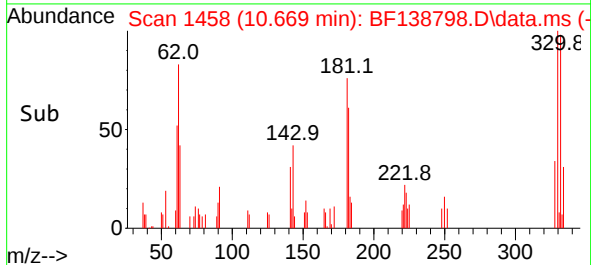
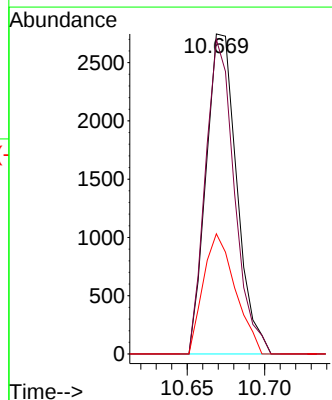
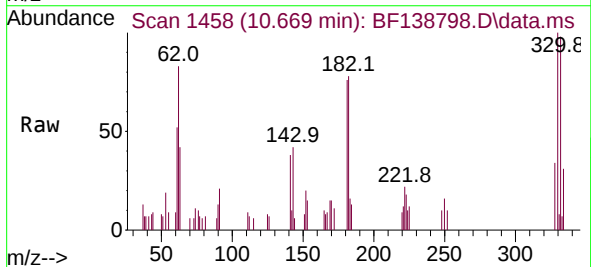
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

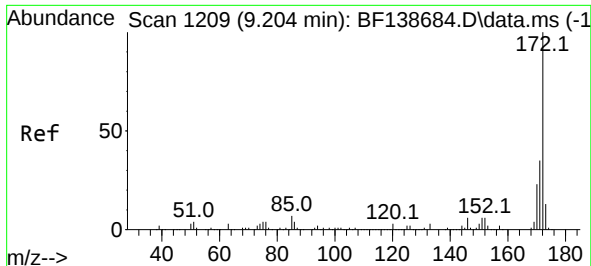
Tgt Ion:164 Resp: 52733
Ion Ratio Lower Upper
164 100
162 103.9 79.4 119.0
160 45.8 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 8.763 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion:330 Resp: 3785
Ion Ratio Lower Upper
330 100
332 92.9 76.4 114.6
141 39.0 31.1 46.7

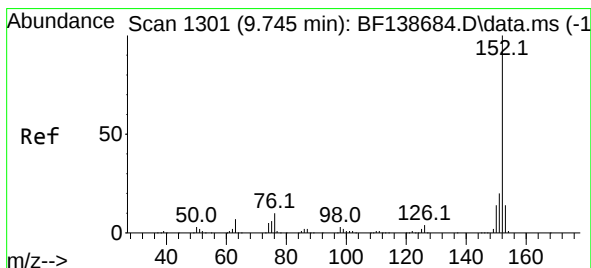
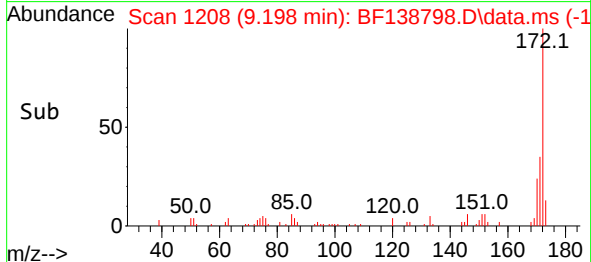
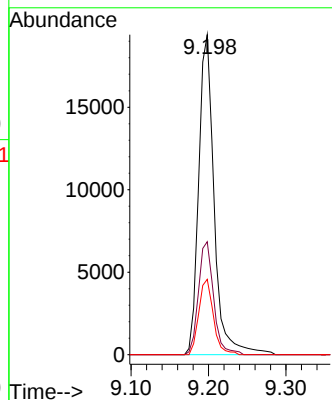
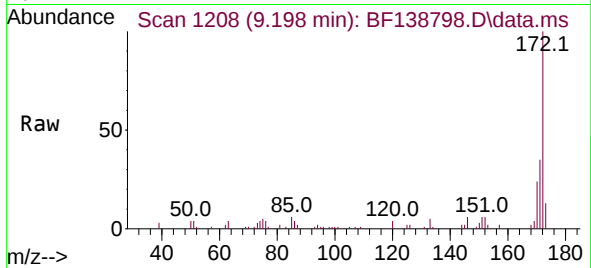




#45
2-Fluorobiphenyl
Concen: 7.666 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

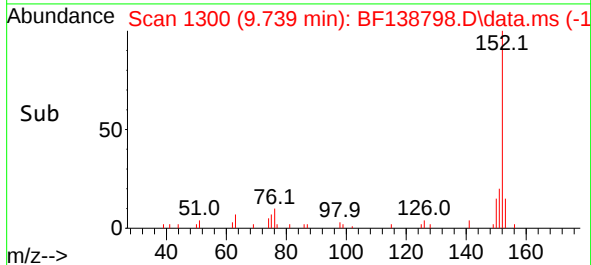
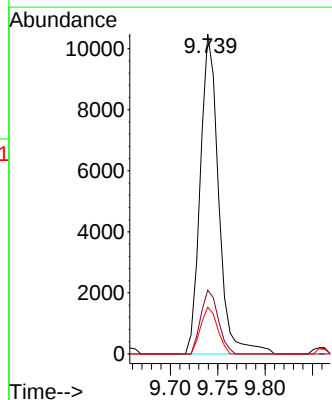
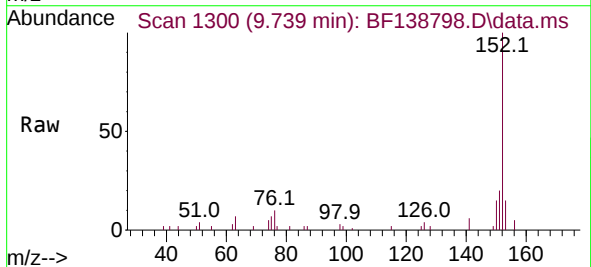
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

Tgt Ion:172 Resp: 26905
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.6 18.8 28.2



#49
Acenaphthylene
Concen: 3.245 ng
RT: 9.739 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion:152 Resp: 14137
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 14.6 11.0 16.4





#51

2,6-Dinitrotoluene

Concen: 9.182 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-ADL

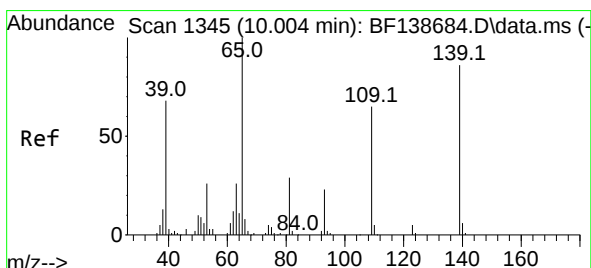
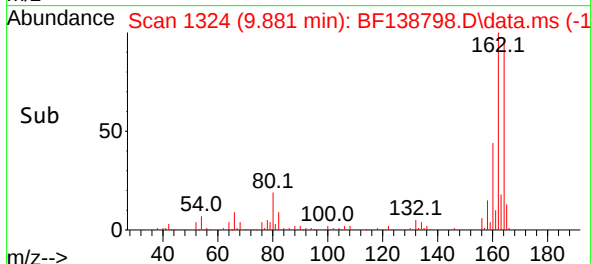
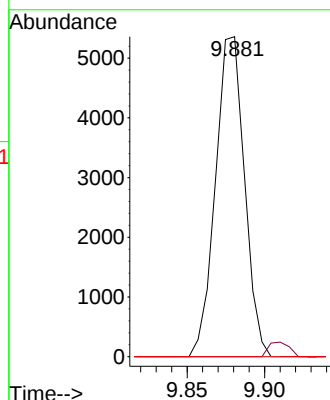
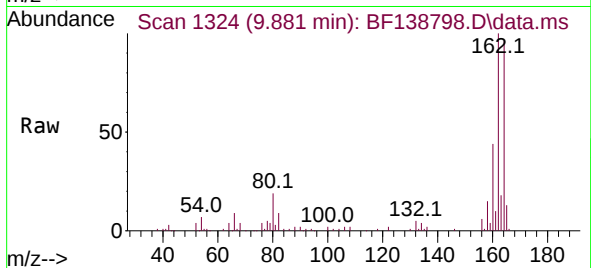
Tgt Ion:165 Resp: 6987

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#56

4-Nitrophenol

Concen: 3.463 ng

RT: 10.086 min Scan# 1359

Delta R.T. 0.082 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

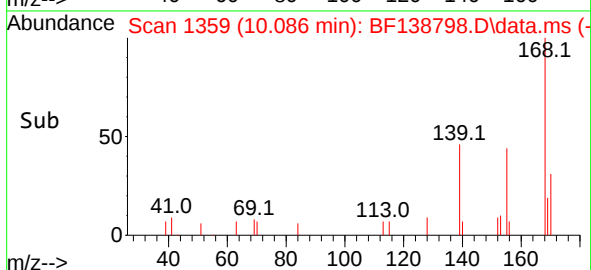
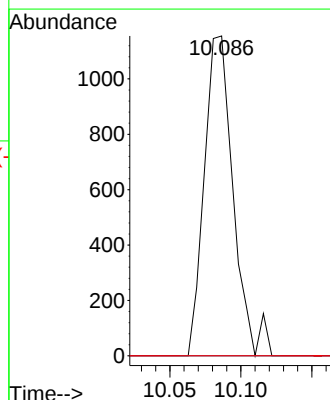
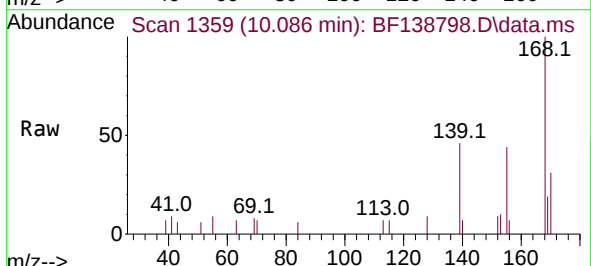
Tgt Ion:139 Resp: 1638

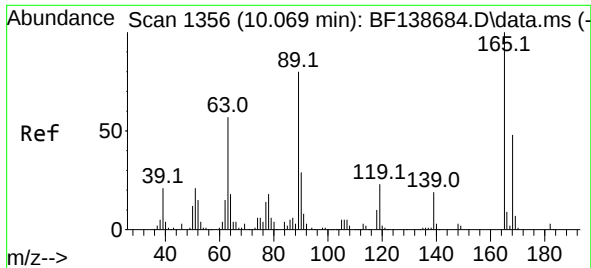
Ion Ratio Lower Upper

139 100

109 0.0 55.5 95.5#

65 0.0 96.7 136.7#

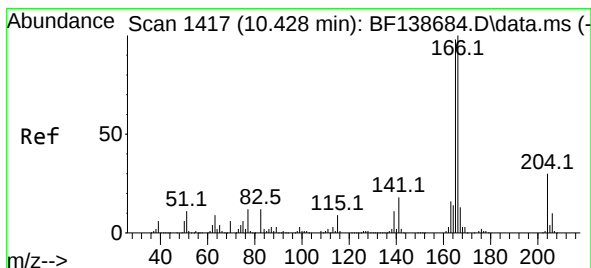
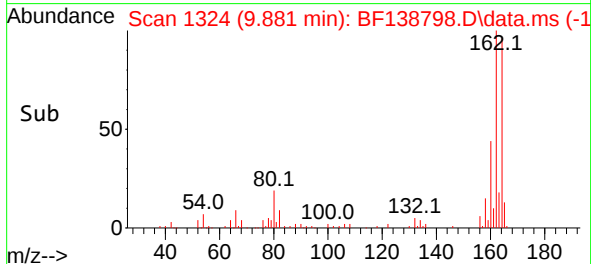
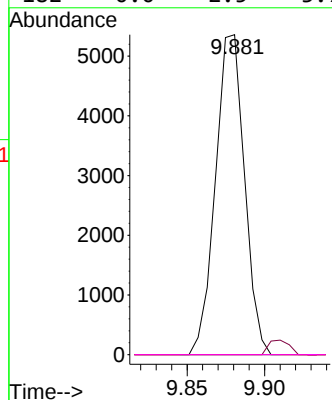
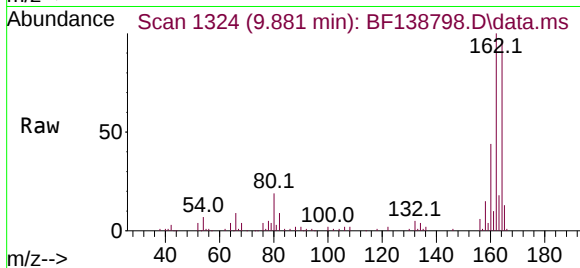




#57
2,4-Dinitrotoluene
Concen: 7.197 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

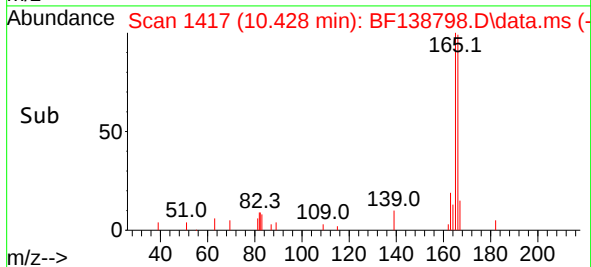
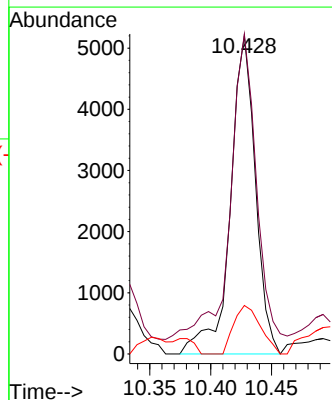
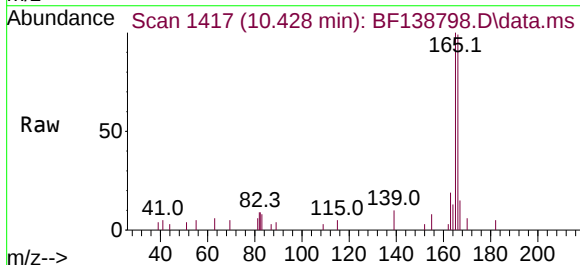
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

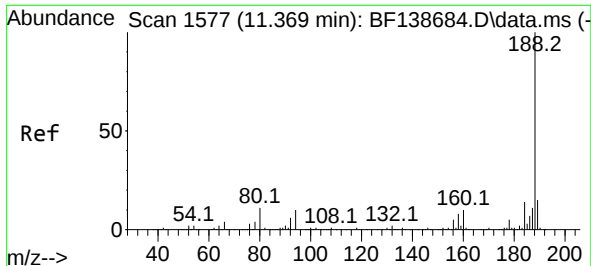
Tgt Ion:165	Resp:	6987
Ion	Ratio	Lower Upper
165	100	
63	0.0	46.3 69.5#
89	0.0	64.2 96.4#
182	0.0	2.5 3.7#



#58
Fluorene
Concen: 2.268 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion:166	Resp:	7467
Ion	Ratio	Lower Upper
166	100	
165	100.5	78.4 117.6
167	15.2	10.6 16.0

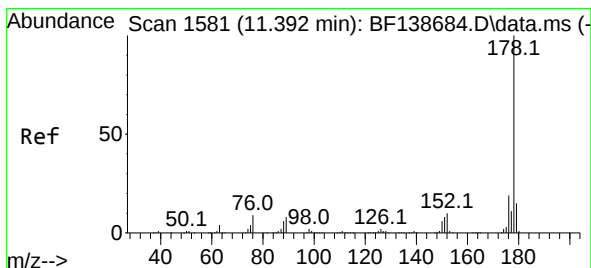
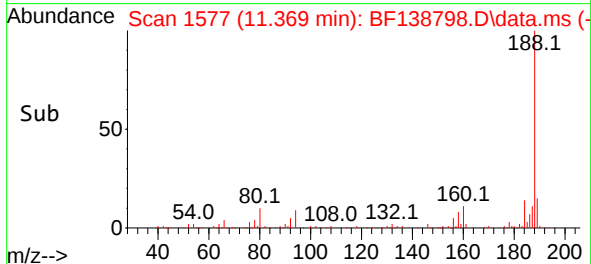
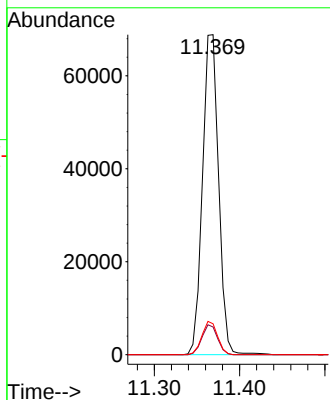
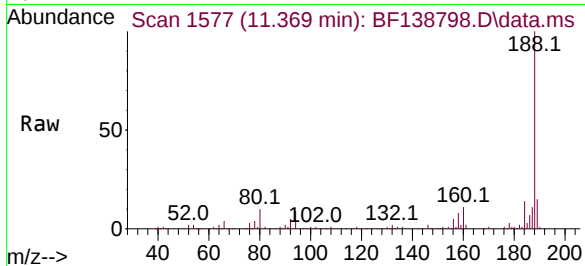




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

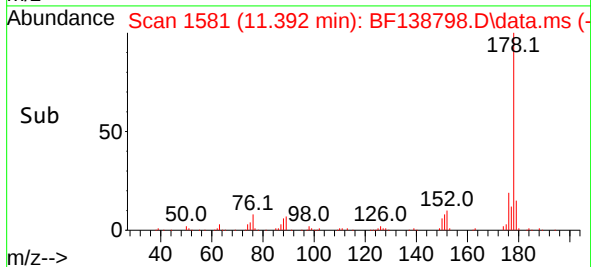
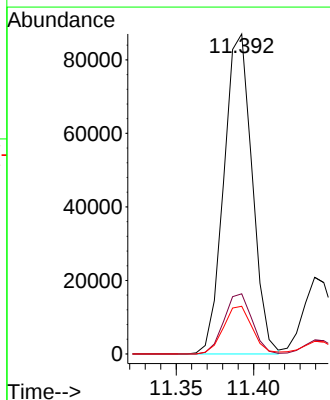
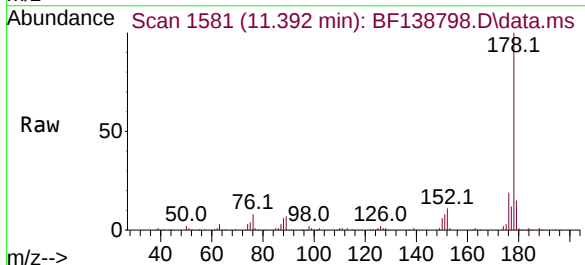
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

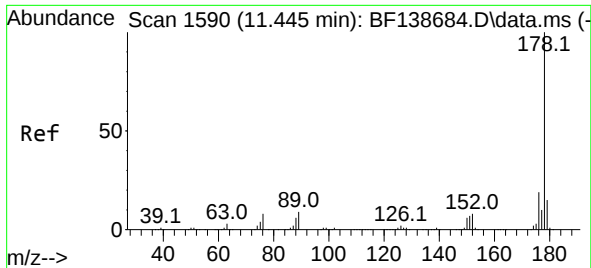
Tgt Ion:188 Resp: 90411
Ion Ratio Lower Upper
188 100
94 8.6 7.6 11.4
80 9.7 8.6 12.8



#71
Phenanthrene
Concen: 23.654 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion:178 Resp: 110120
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 14.9 12.2 18.2

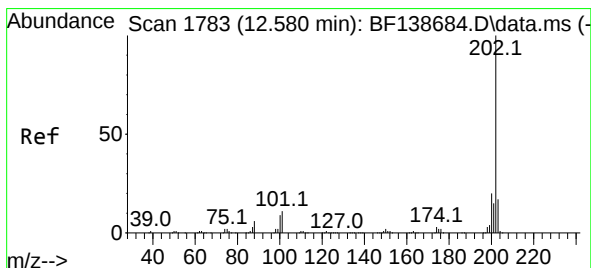
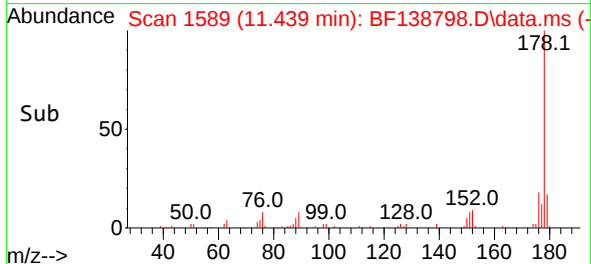
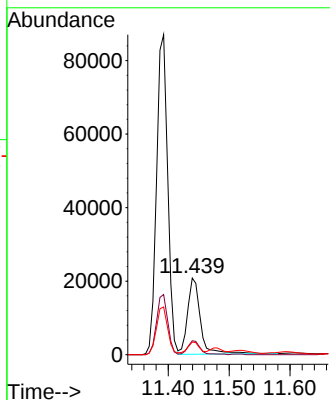
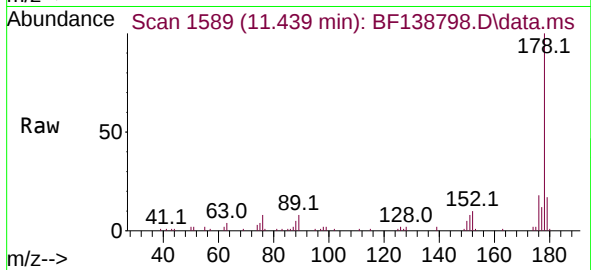




#72
Anthracene
Concen: 6.611 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

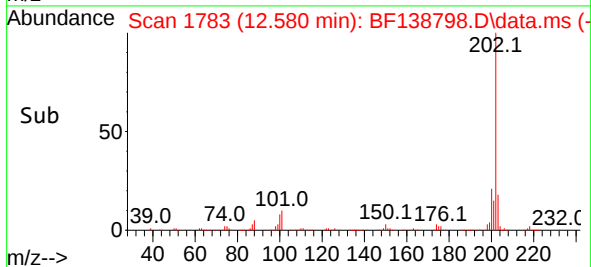
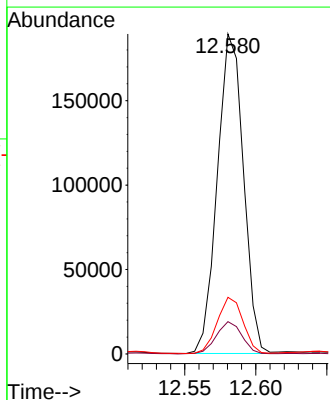
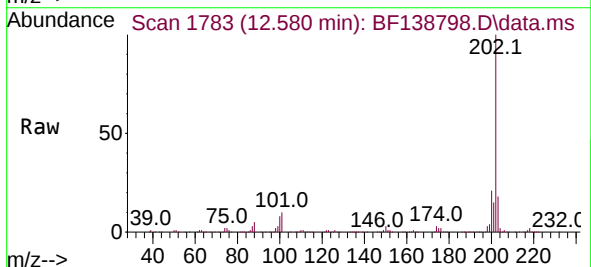
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

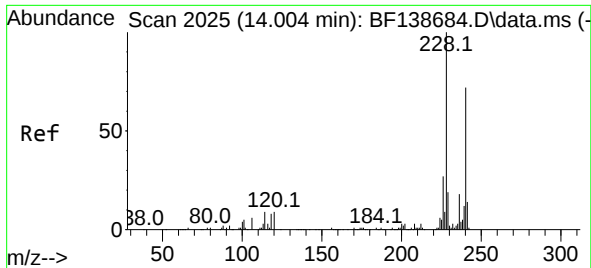
Tgt Ion:178 Resp: 30318
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 16.6 12.4 18.6



#75
Fluoranthene
Concen: 55.611 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion:202 Resp: 241695
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.2
203 17.7 0.0 37.3

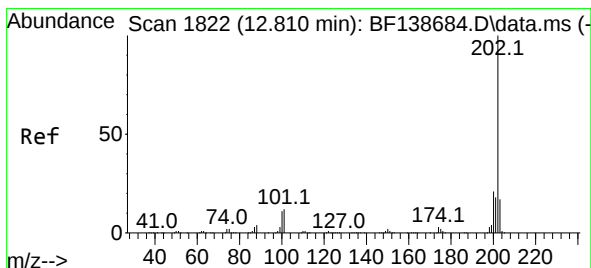
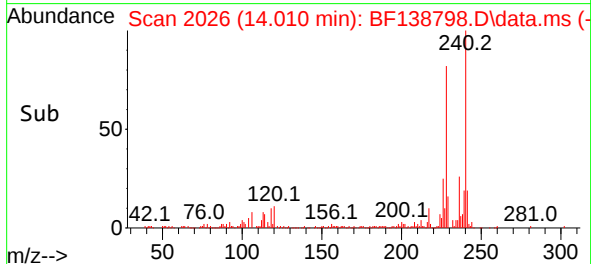
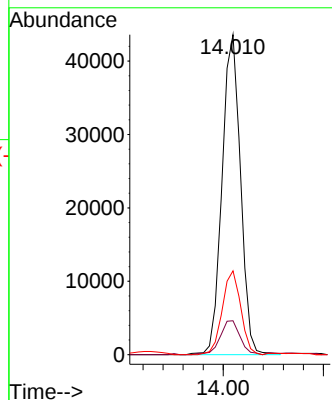
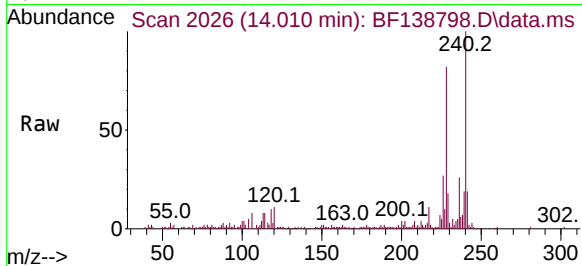




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

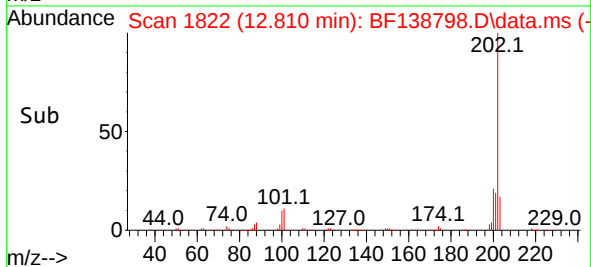
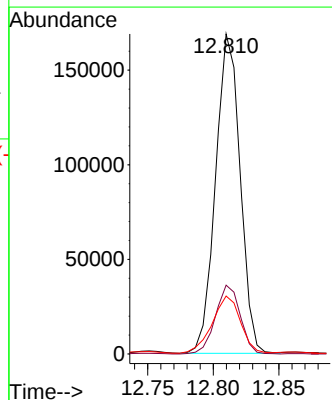
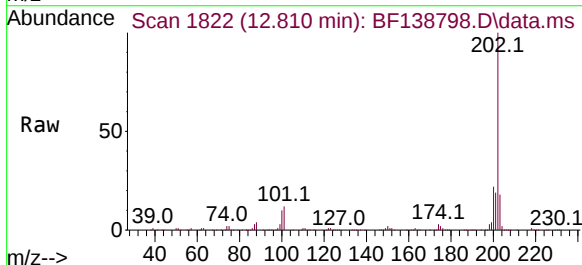
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

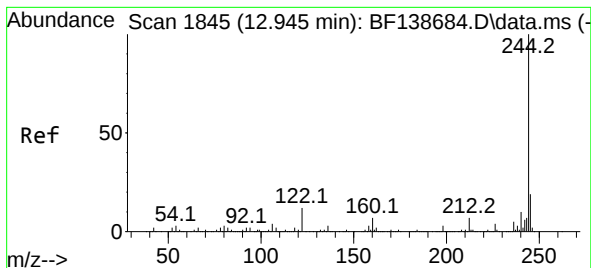
Tgt Ion:240 Resp: 55731
Ion Ratio Lower Upper
240 100
120 10.6 10.2 15.4
236 26.2 19.8 29.8



#78
Pyrene
Concen: 41.844 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion:202 Resp: 219566
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.1 13.8 20.6





#79

Terphenyl-d14

Concen: 8.034 ng

RT: 12.945 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138798.D

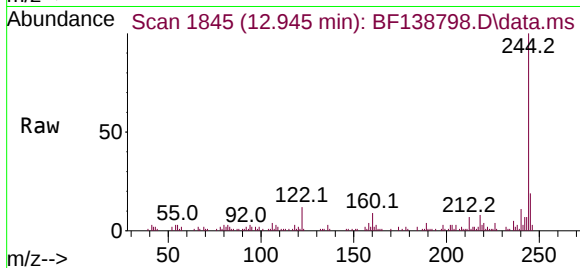
Acq: 05 Aug 2024 22:03

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-ADL



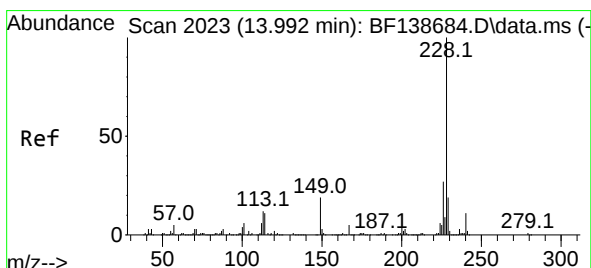
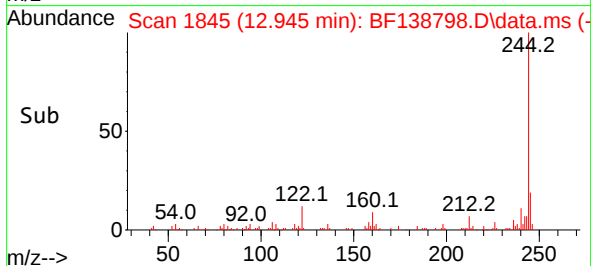
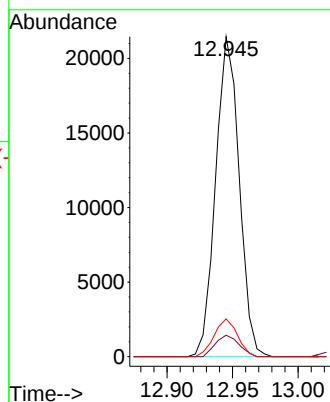
Tgt Ion:244 Resp: 26744

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.8 9.6 14.4



#81

Benzo(a)anthracene

Concen: 27.144 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

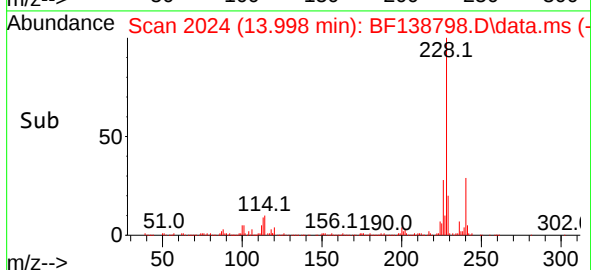
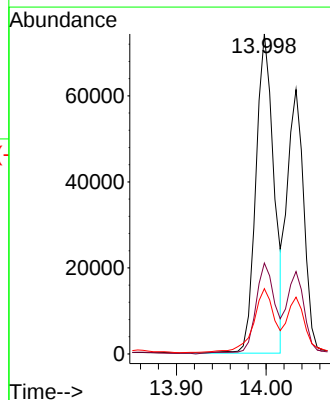
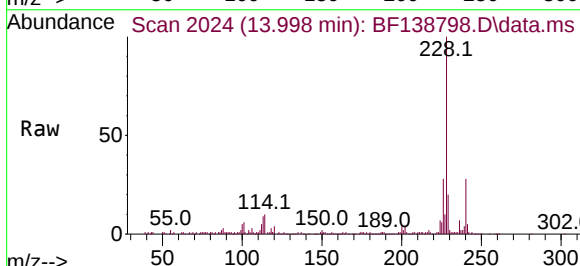
Tgt Ion:228 Resp: 104173

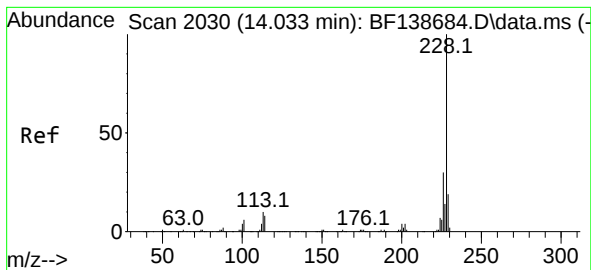
Ion Ratio Lower Upper

228 100

226 28.4 22.1 33.1

229 20.4 15.4 23.0





#83

Chrysene

Concen: 22.604 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-ADL

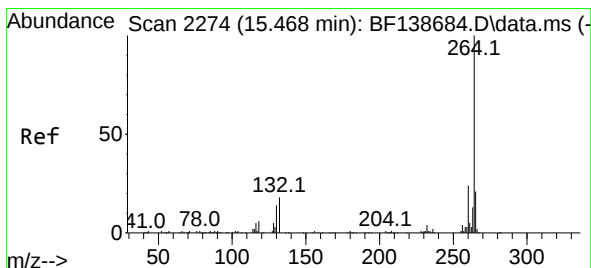
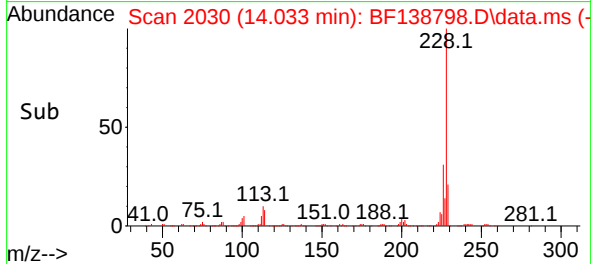
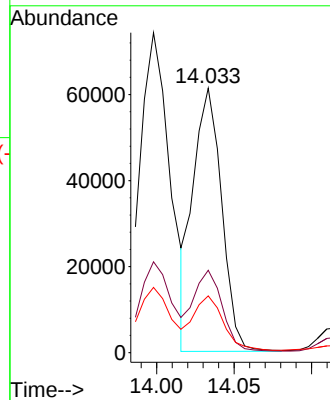
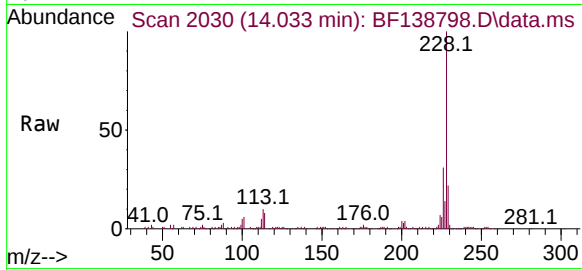
Tgt Ion:228 Resp: 78264

Ion Ratio Lower Upper

228 100

226 31.2 23.7 35.5

229 21.5 15.0 22.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.006 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

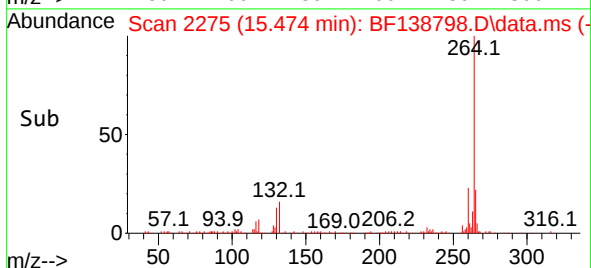
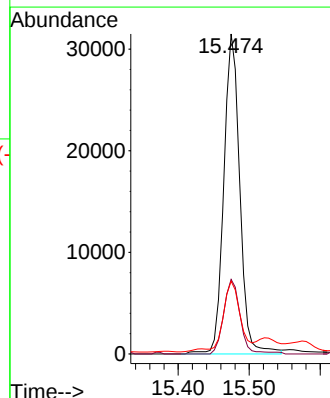
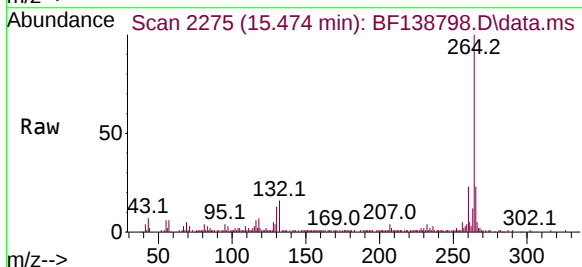
Tgt Ion:264 Resp: 49195

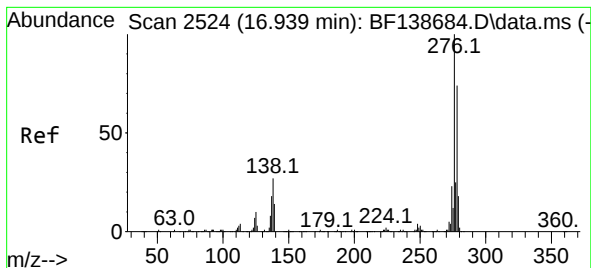
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 22.8 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.118 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

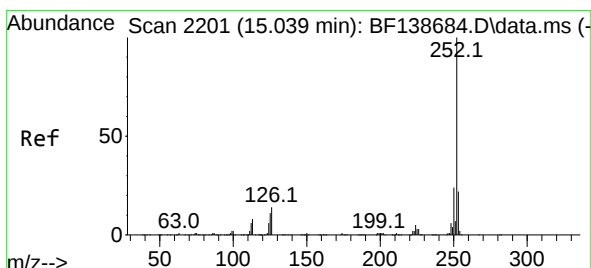
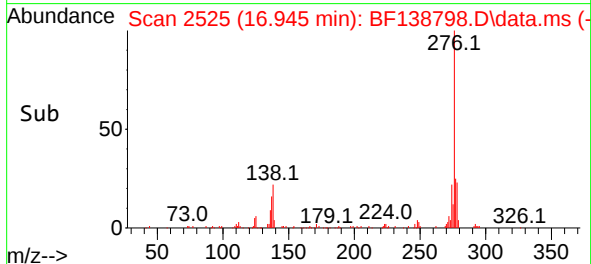
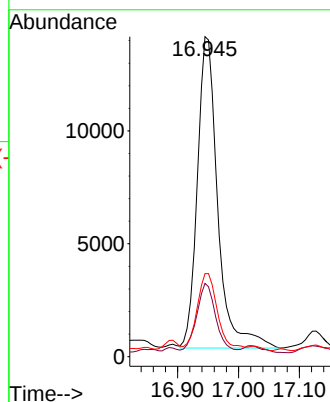
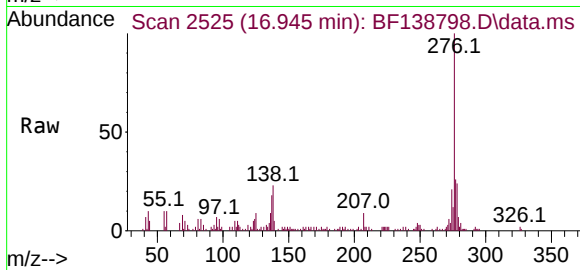
Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-ADL

Tgt Ion:	276	Resp:	32146
Ion Ratio	Lower	Upper	
276	100		
138	22.3	21.8	32.8
277	22.5	20.6	30.8



#88

Benzo(b)fluoranthene

Concen: 38.417 ng

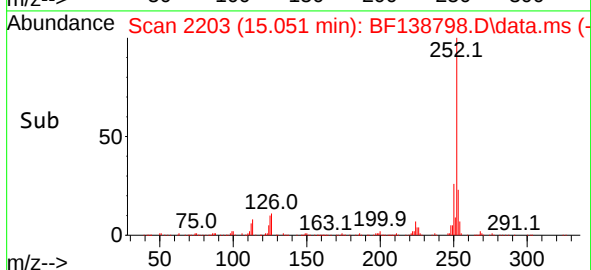
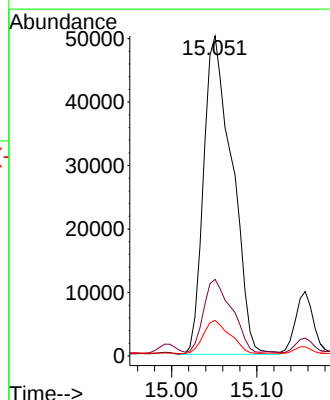
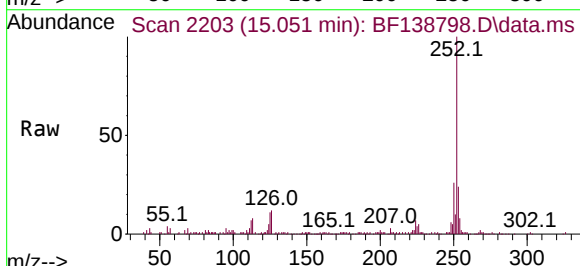
RT: 15.051 min Scan# 2203

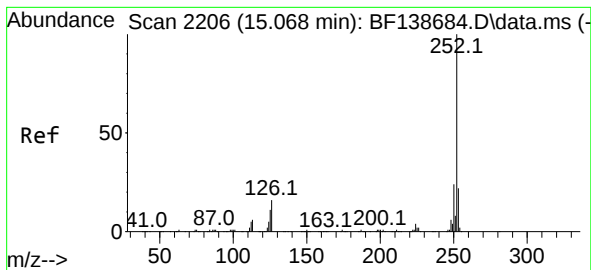
Delta R.T. 0.012 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

Tgt Ion:	252	Resp:	117157
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.5	26.3
125	11.1	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 44.371 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

Instrument :

BNA_F

ClientSampleId :

PL-02-07312024-ADL

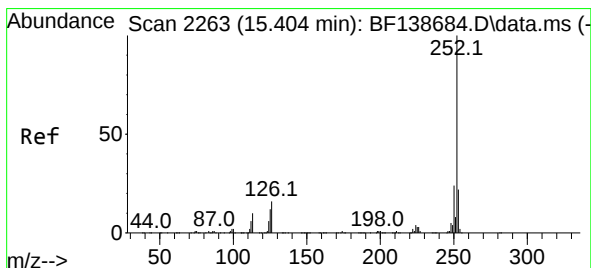
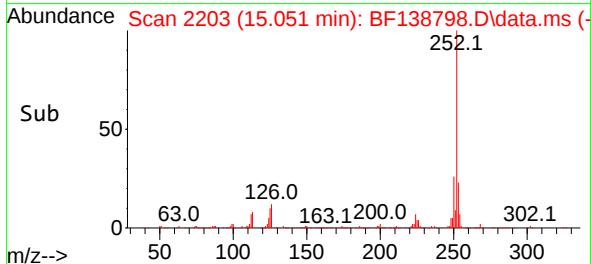
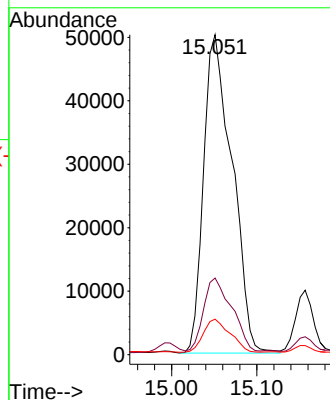
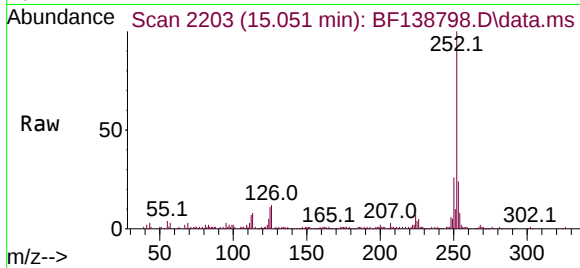
Tgt Ion:252 Resp: 117157

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 11.1 8.6 13.0



#90

Benzo(a)pyrene

Concen: 24.765 ng

RT: 15.416 min Scan# 2265

Delta R.T. 0.012 min

Lab File: BF138798.D

Acq: 05 Aug 2024 22:03

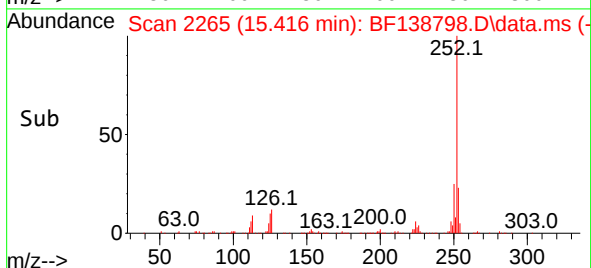
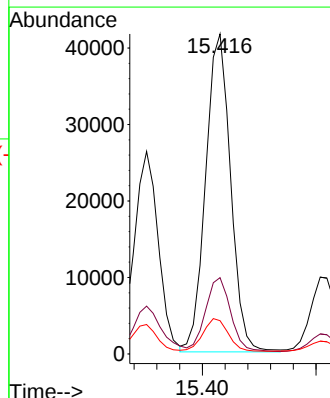
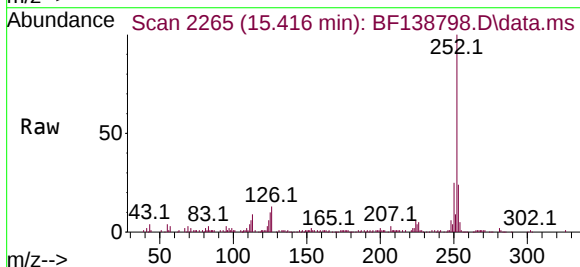
Tgt Ion:252 Resp: 63527

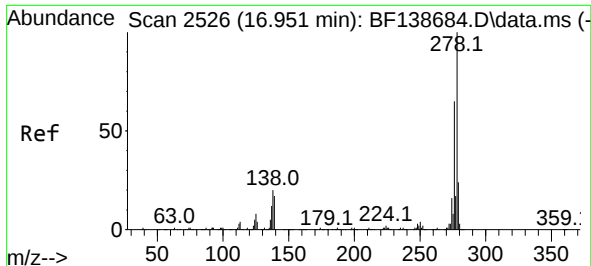
Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 10.4 9.5 14.3

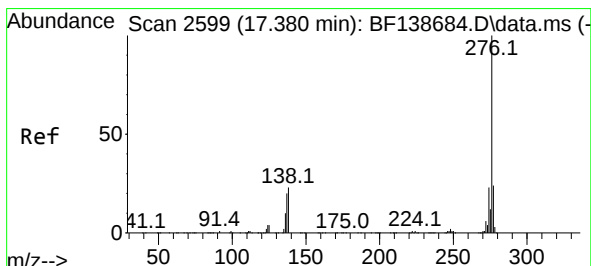
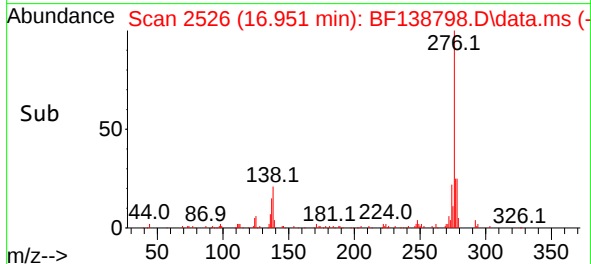
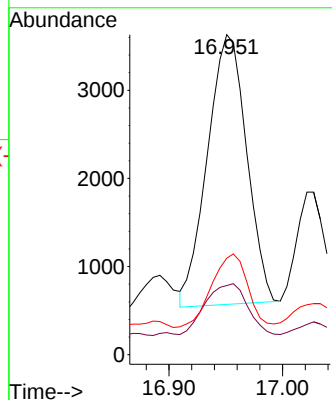
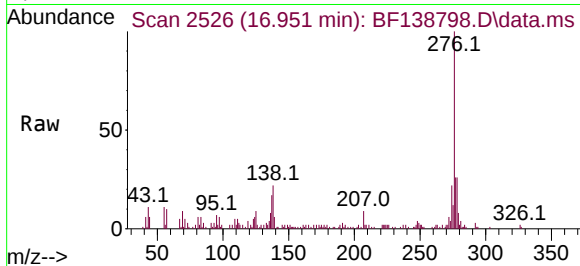




#91
Dibenzo(a,h)anthracene
Concen: 2.536 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-ADL

Tgt Ion: 278 Resp: 7339
Ion Ratio Lower Upper
278 100
139 21.6 14.0 21.0#
279 30.2 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 9.297 ng
RT: 17.398 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BF138798.D
Acq: 05 Aug 2024 22:03

Tgt Ion: 276 Resp: 27919
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.4
138 21.2 18.5 27.7

