

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082924\
 Data File : BM047394.D
 Acq On : 29 Aug 2024 15:06
 Operator : RC/JU
 Sample : P3775-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-1-1.5-082824

Quant Time: Aug 29 15:41:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 26 18:11:40 2024
 Response via : Initial Calibration

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

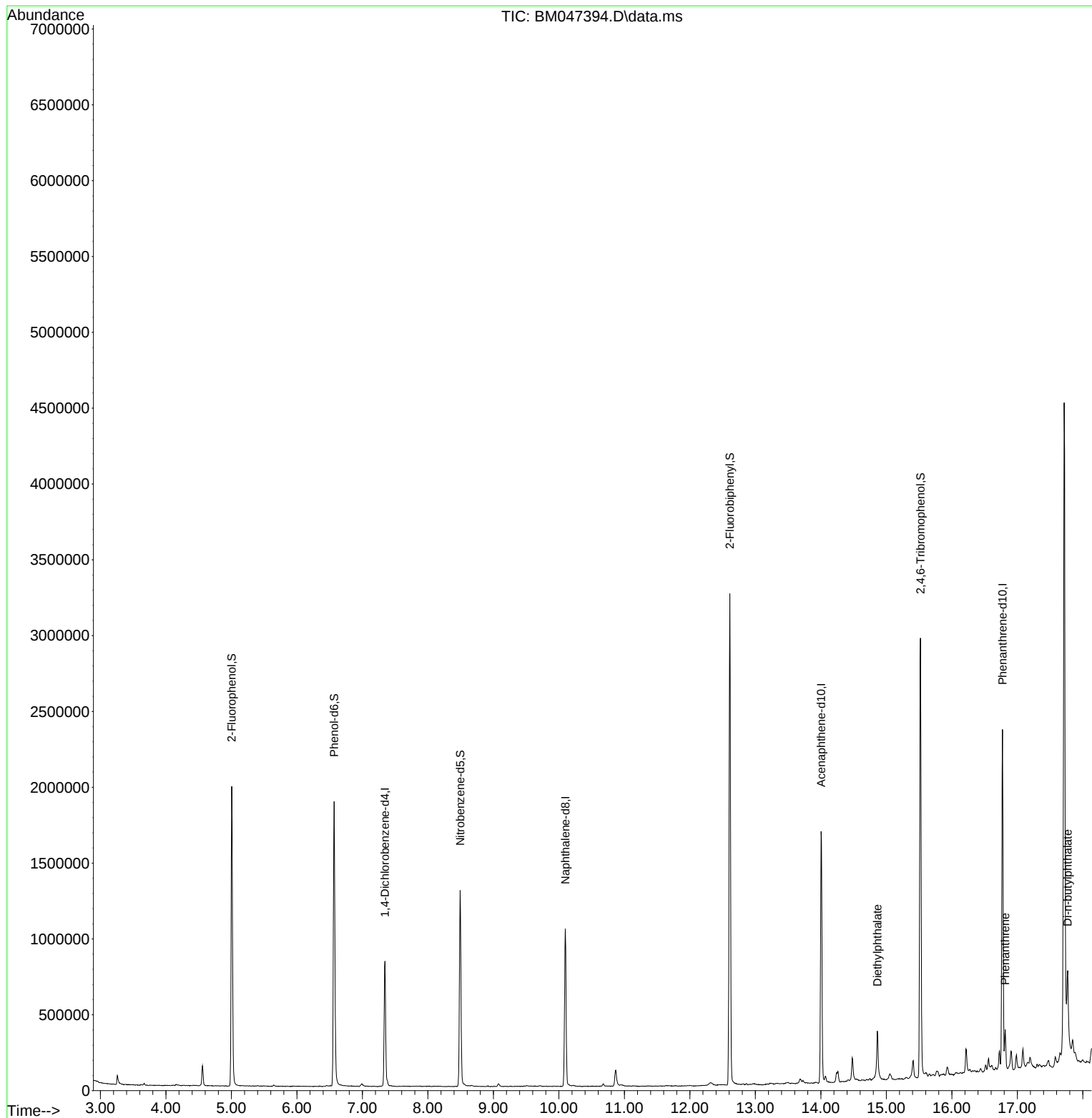
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	234482	20.000	ng	0.00
21) Naphthalene-d8	10.098	136	886939	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	618552	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1326798	20.000	ng	0.00
76) Chrysene-d12	21.015	240	1156999	20.000	ng	0.00
86) Perylene-d12	23.715	264	1116746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	880316	72.028	ng	0.00
7) Phenol-d6	6.569	99	1180398	70.898	ng	0.00
23) Nitrobenzene-d5	8.492	82	768062	48.049	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	585761	78.491	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	1803021	44.788	ng	0.00
79) Terphenyl-d14	19.445	244	2859067	43.985	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	957	Below Cal	#	51
60) Diethylphthalate	14.863	149	267453	6.362	ng	99
71) Phenanthrene	16.815	178	154008	2.390	ng	99
74) Di-n-butylphthalate	17.768	149	368050	5.014	ng	100
75) Fluoranthene	18.851	202	522726	6.909	ng	98
78) Pyrene	19.221	202	490728	5.530	ng	99
81) Benzo(a)anthracene	20.997	228	301097	3.991	ng	97
83) Chrysene	21.056	228	257627	3.630	ng	96
84) Bis(2-ethylhexyl)phtha...	20.950	149	234945	4.787	ng	99
87) Indeno(1,2,3-cd)pyrene	26.721	276	182116	2.605	ng	97
88) Benzo(b)fluoranthene	22.874	252	350656	5.382	ng	98
89) Benzo(k)fluoranthene	22.874	252	350656	5.677	ng	98
90) Benzo(a)pyrene	23.586	252	263672	4.680	ng	99
92) Benzo(g,h,i)perylene	27.644	276	196179	3.332	ng	99

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

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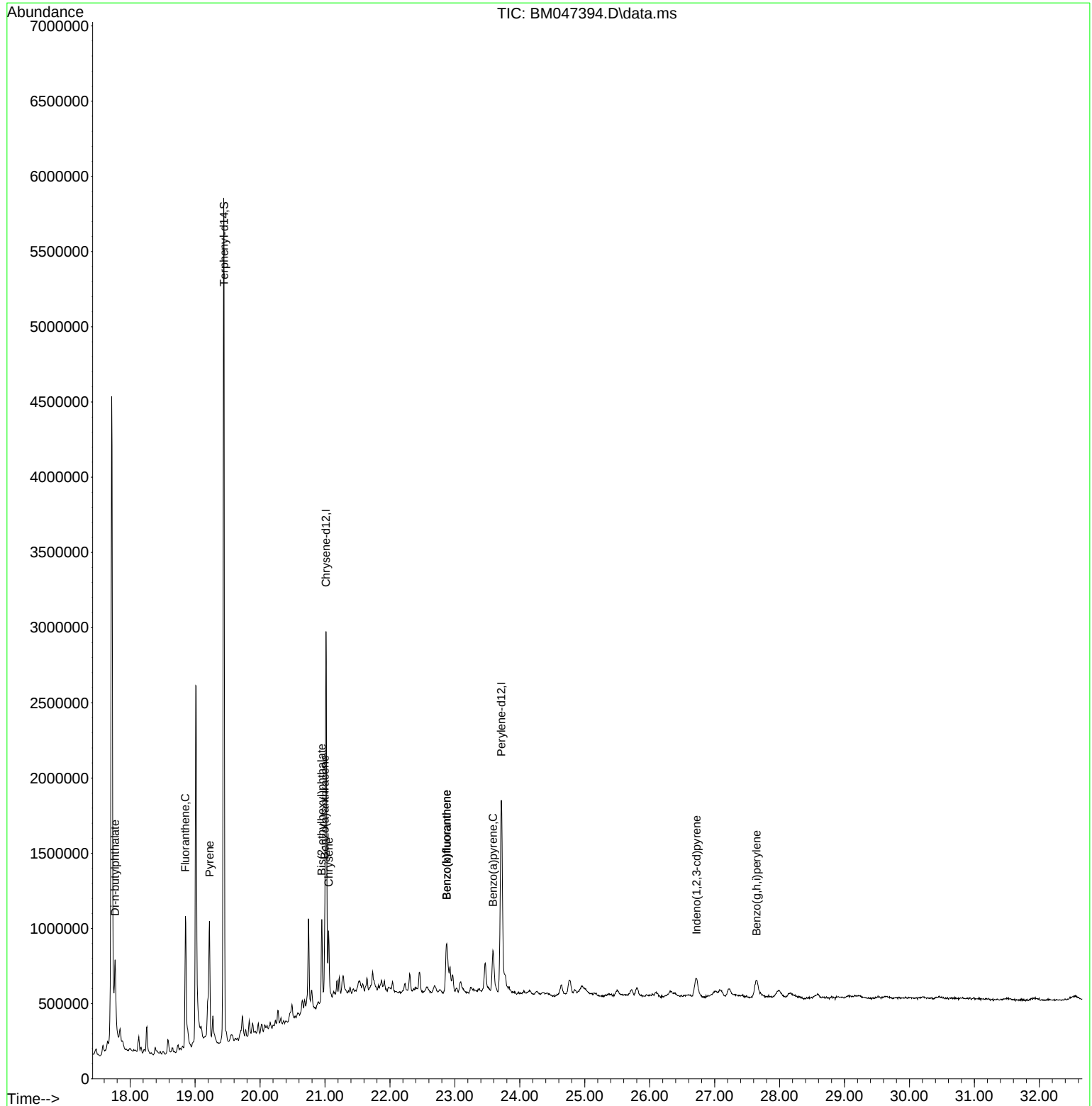
Quant Time: Aug 29 15:41:36 2024
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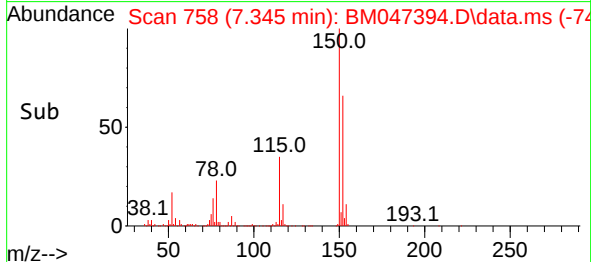
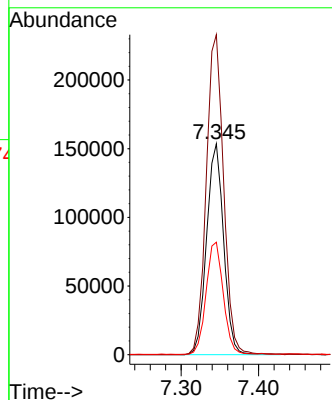
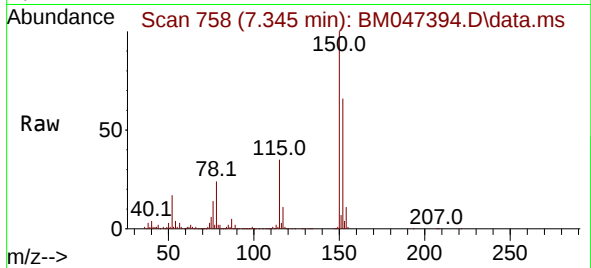




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

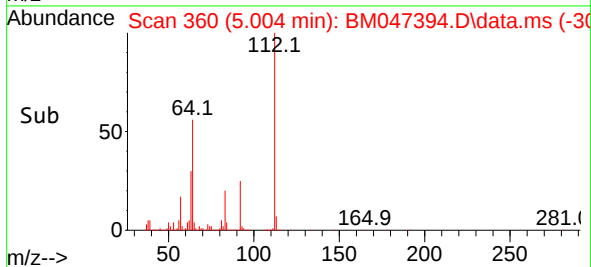
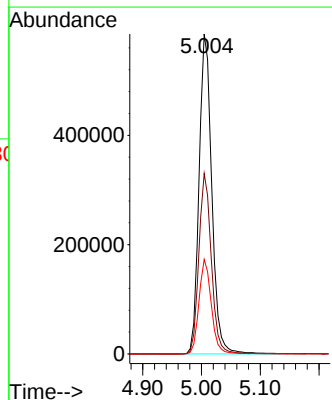
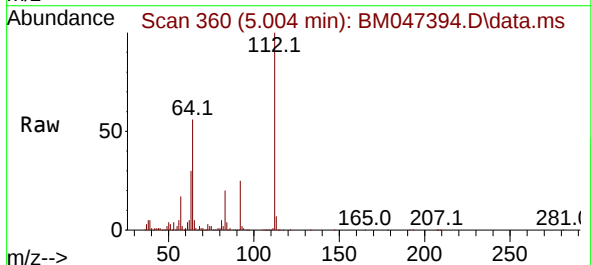
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-1-1.5-082824

Tgt Ion:152 Resp: 234482
Ion Ratio Lower Upper
152 100
150 151.8 121.3 181.9
115 53.4 42.6 64.0



#5
2-Fluorophenol
Concen: 72.028 ng
RT: 5.004 min Scan# 360
Delta R.T. 0.000 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Tgt Ion:112 Resp: 880316
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 29.6 23.8 35.8



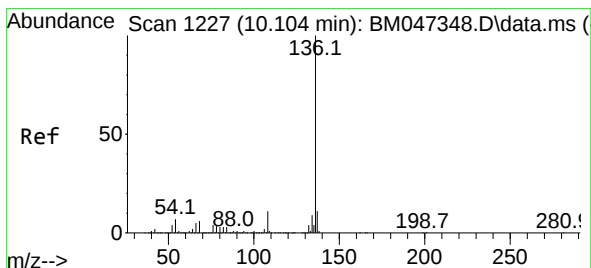
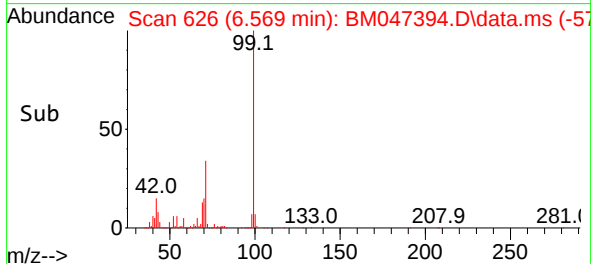
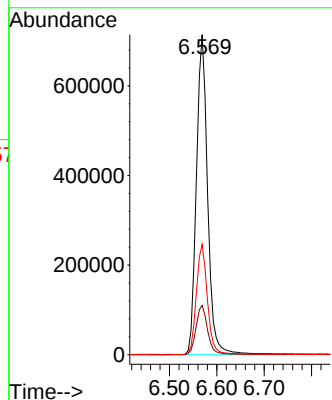
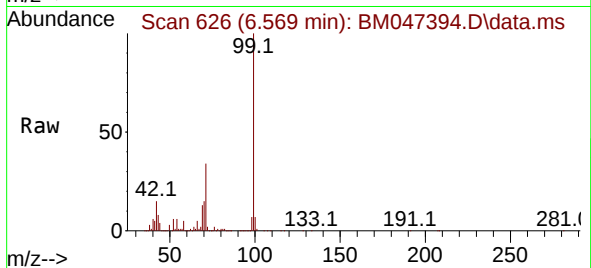


#7
Phenol-d6
Concen: 70.898 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-1-1.5-082824

Tgt Ion: 99 Resp: 1180398

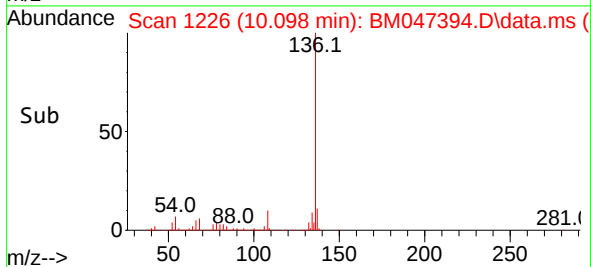
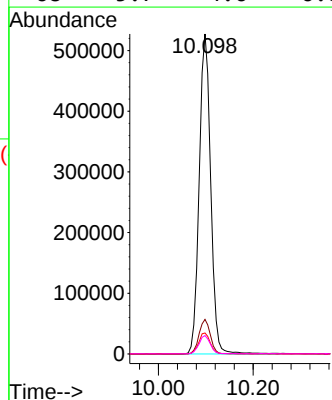
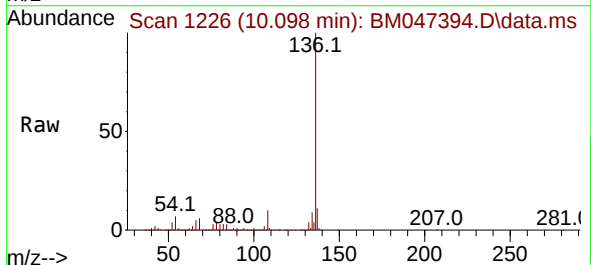
Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.0	19.4
71	34.4	27.5	41.3

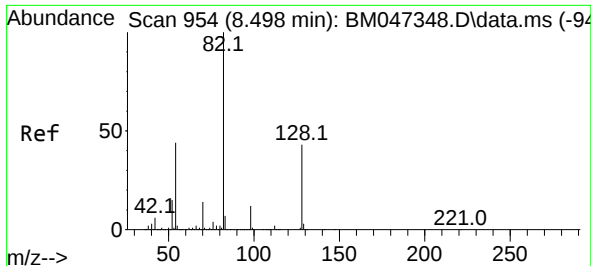


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Tgt Ion: 136 Resp: 886939

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.6	5.2	7.8
68	5.7	4.6	6.8





#23

Nitrobenzene-d5

Concen: 48.049 ng

RT: 8.492 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-1-1.5-082824

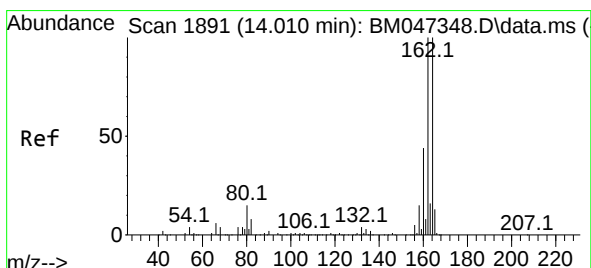
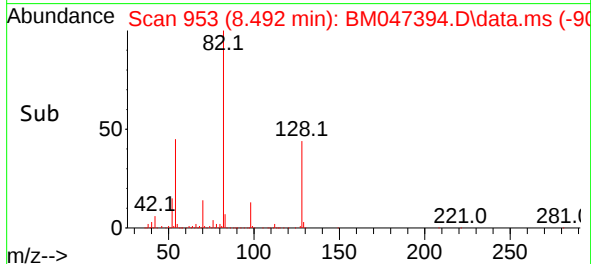
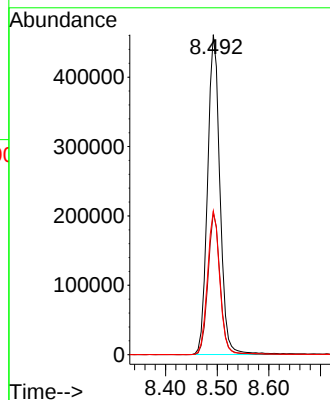
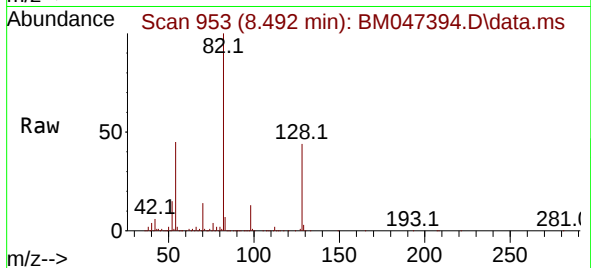
Tgt Ion: 82 Resp: 768062

Ion Ratio Lower Upper

82 100

128 44.4 34.6 51.8

54 44.9 35.5 53.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.004 min Scan# 1890

Delta R.T. -0.006 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

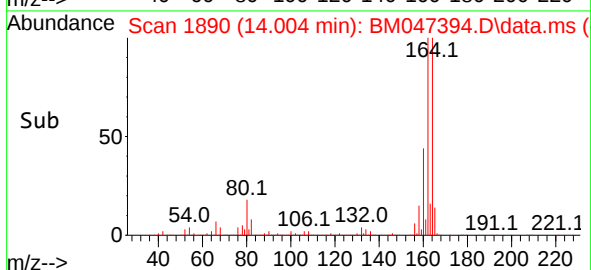
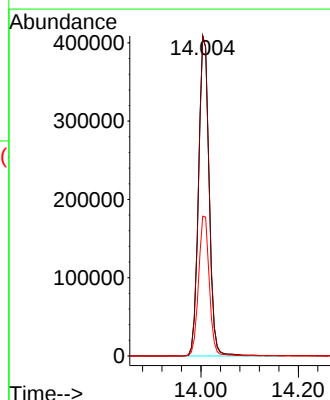
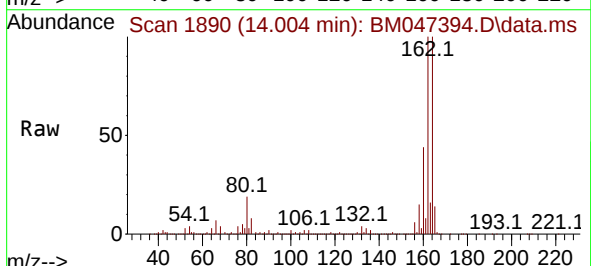
Tgt Ion: 164 Resp: 618552

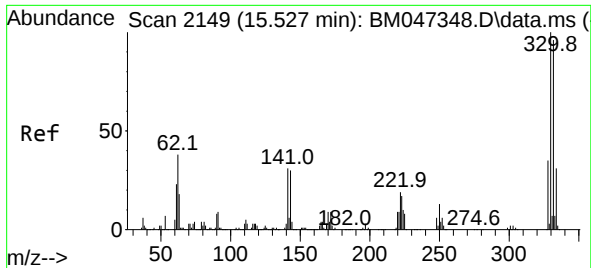
Ion Ratio Lower Upper

164 100

162 100.0 79.7 119.5

160 43.7 34.9 52.3

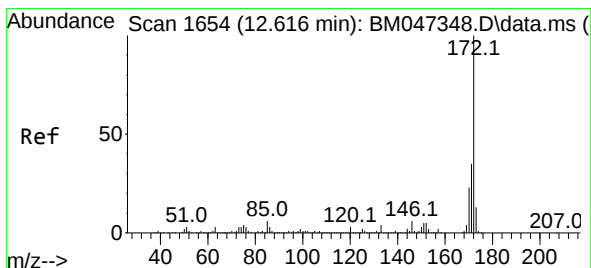
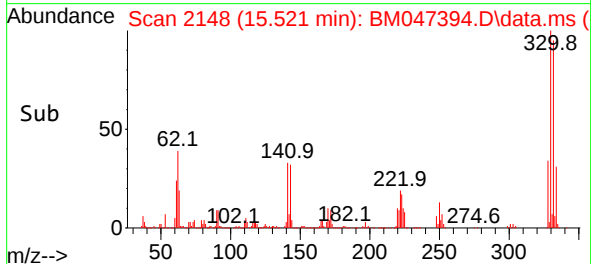
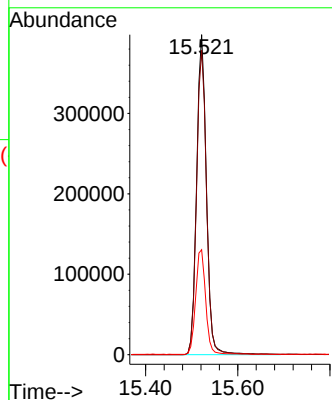
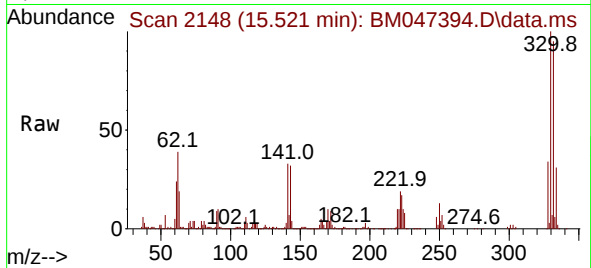




#42
2,4,6-Tribromophenol
Concen: 78.491 ng
RT: 15.521 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

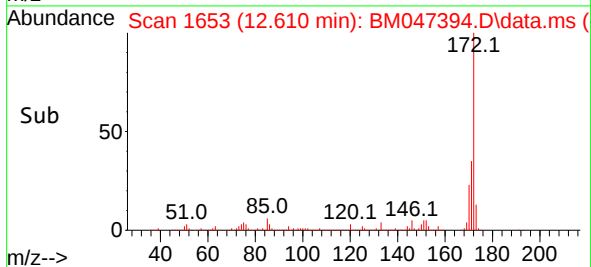
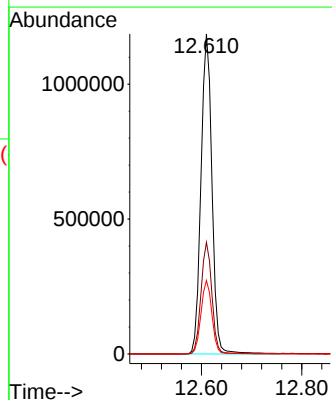
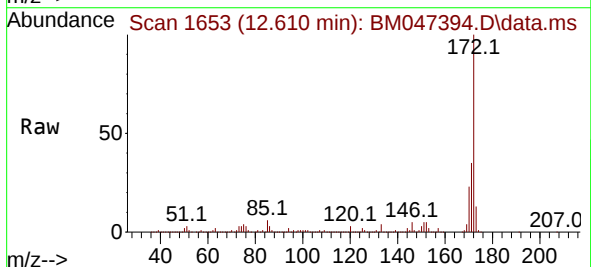
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-1-1.5-082824

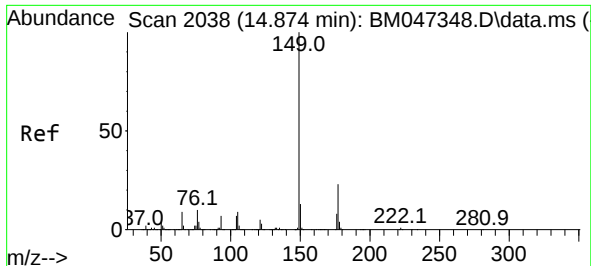
Tgt Ion:330 Resp: 585761
Ion Ratio Lower Upper
330 100
332 96.7 77.2 115.8
141 33.4 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 44.788 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Tgt Ion:172 Resp: 1803021
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.9 18.5 27.7

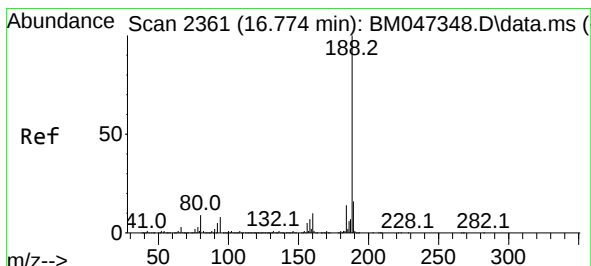
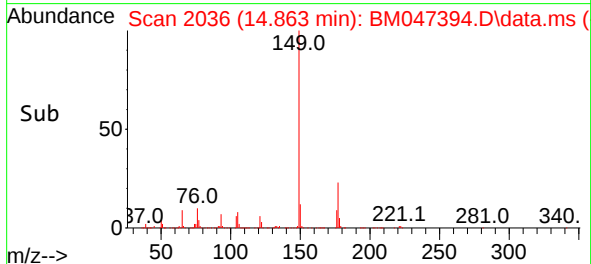
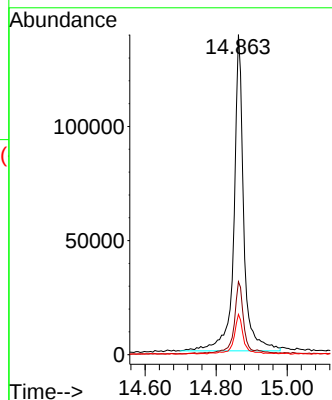
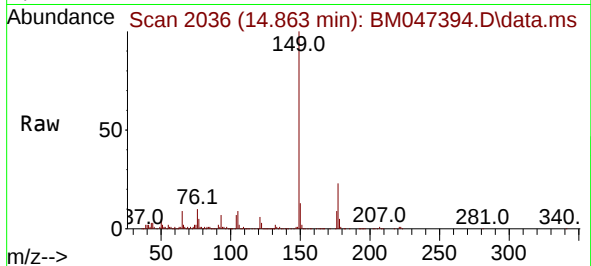




#60
Diethylphthalate
Concen: 6.362 ng
RT: 14.863 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

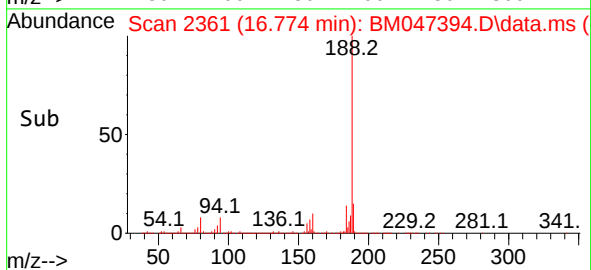
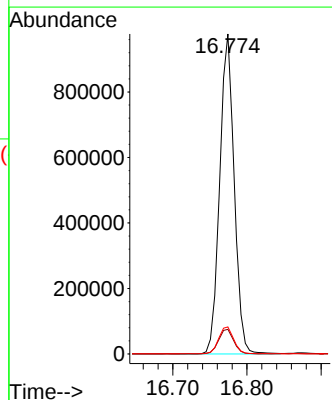
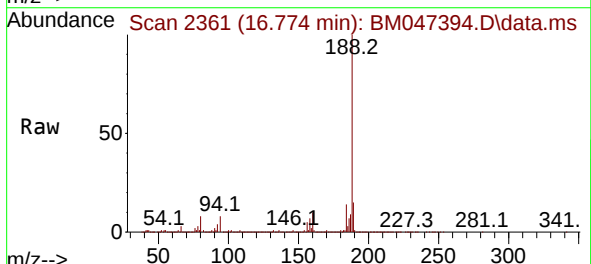
Instrument :
BNA_M
ClientSampleId :
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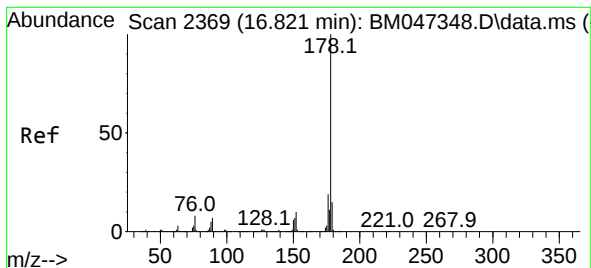
Tgt Ion:149 Resp: 267453
Ion Ratio Lower Upper
149 100
177 22.8 18.6 28.0
150 12.6 10.2 15.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 2361
Delta R.T. 0.000 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Tgt Ion:188 Resp: 1326798
Ion Ratio Lower Upper
188 100
94 7.7 6.4 9.6
80 8.4 7.4 11.2





#71

Phenanthrene

Concen: 2.390 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-1-1.5-082824

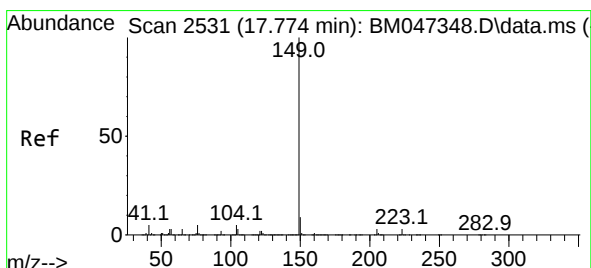
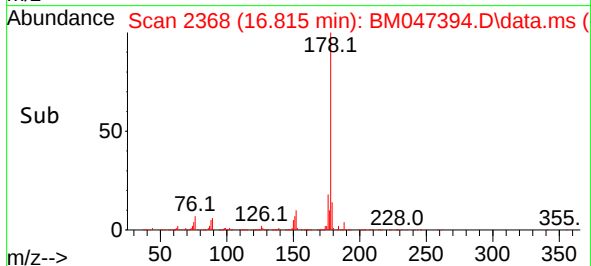
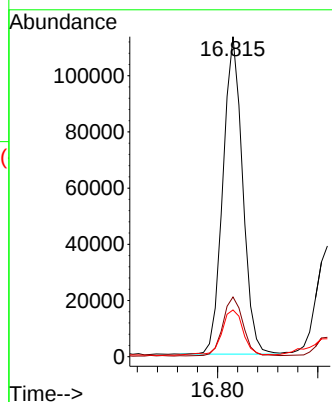
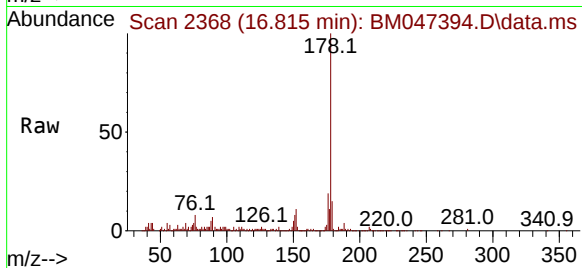
Tgt Ion:178 Resp: 154008

Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 14.6 12.2 18.4



#74

Di-n-butylphthalate

Concen: 5.014 ng

RT: 17.768 min Scan# 2530

Delta R.T. -0.006 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

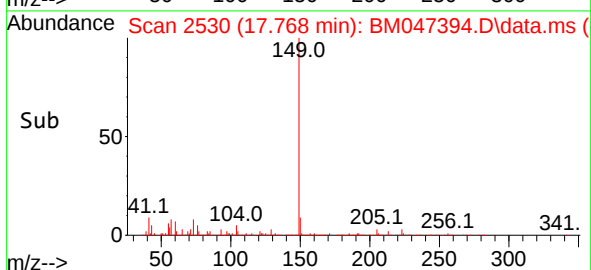
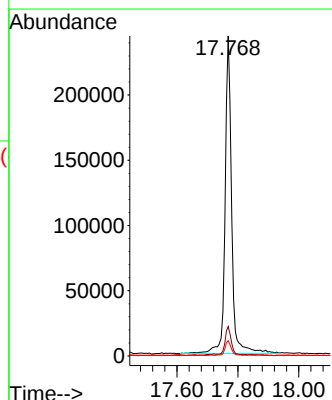
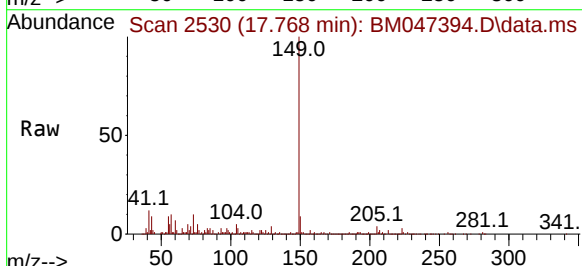
Tgt Ion:149 Resp: 368050

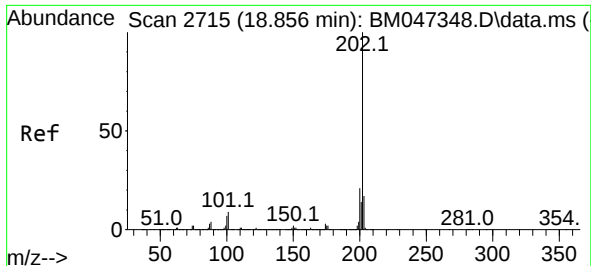
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 4.8 3.8 5.6

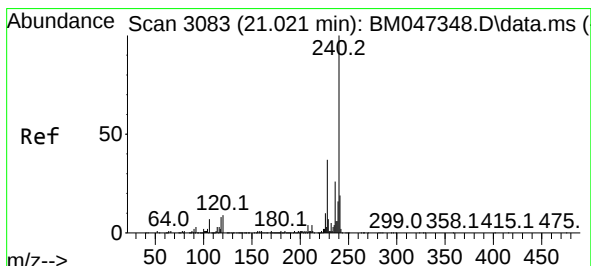
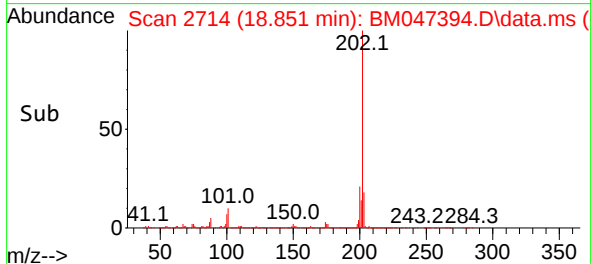
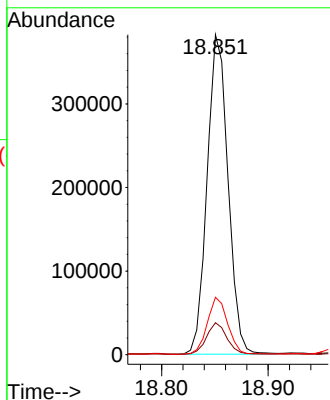
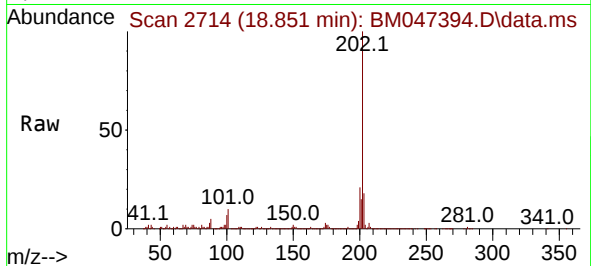




#75
Fluoranthene
Concen: 6.909 ng
RT: 18.851 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

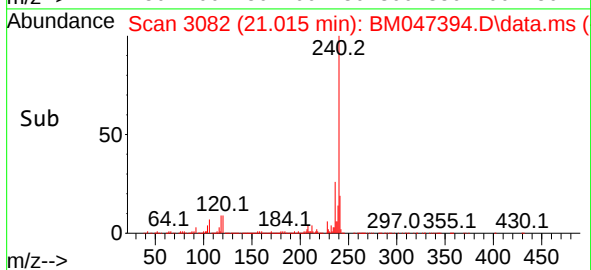
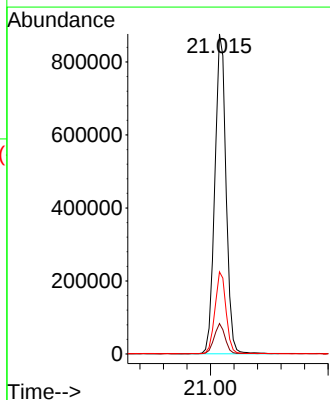
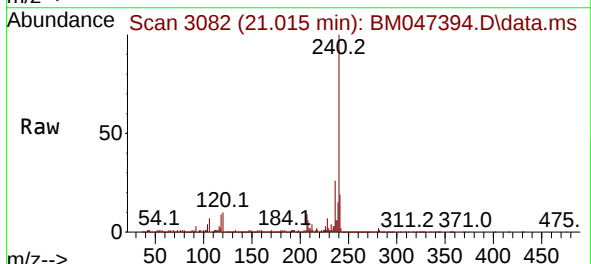
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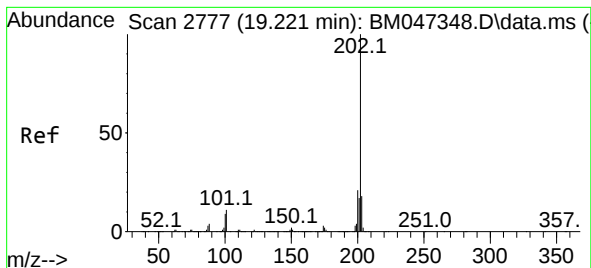
Tgt Ion:202 Resp: 522726
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.0
203 17.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.015 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Tgt Ion:240 Resp: 1156999
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 25.6 20.8 31.2





#78

Pyrene

Concen: 5.530 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-1-1.5-082824

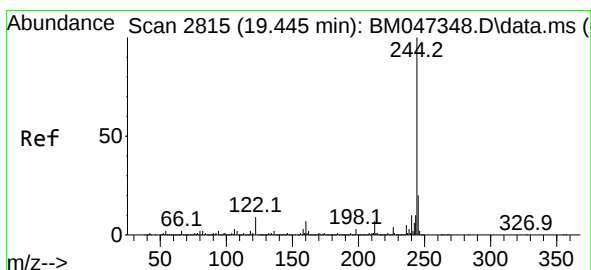
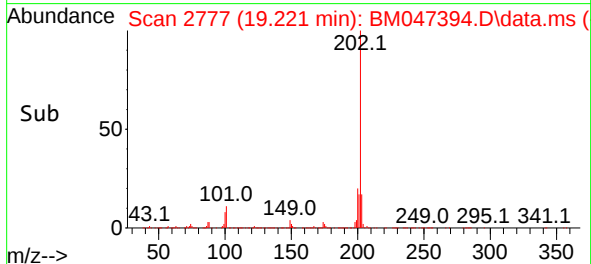
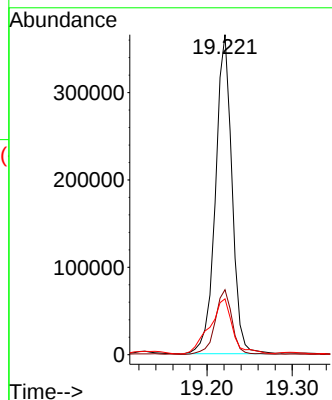
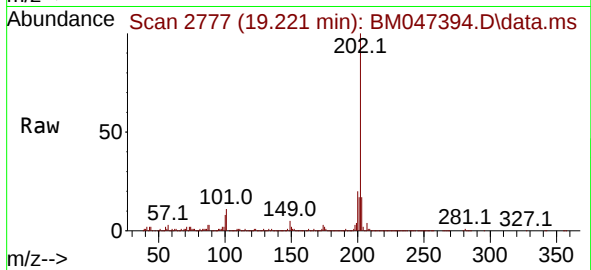
Tgt Ion:202 Resp: 490728

Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.5 14.2 21.4



#79

Terphenyl-d14

Concen: 43.985 ng

RT: 19.445 min Scan# 2815

Delta R.T. 0.000 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

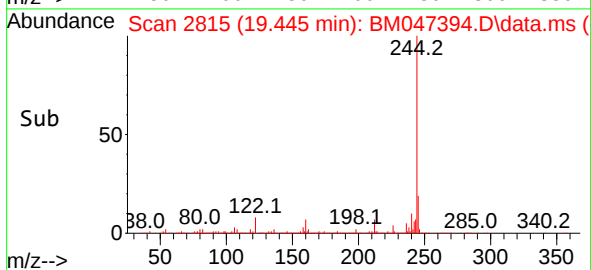
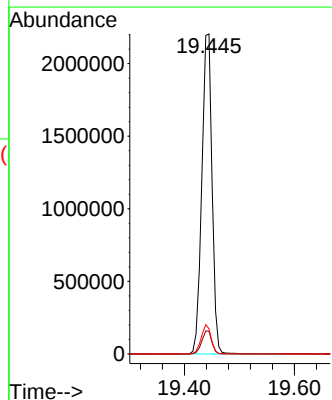
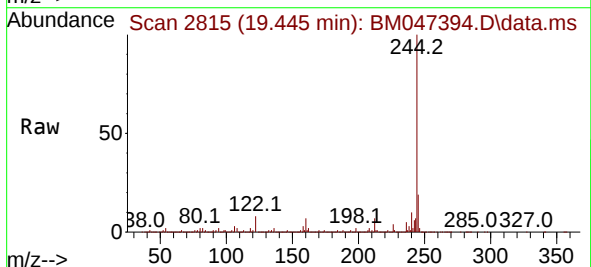
Tgt Ion:244 Resp: 2859067

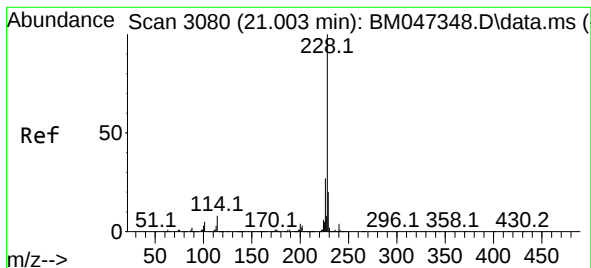
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 7.9 7.0 10.4





#81

Benzo(a)anthracene

Concen: 3.991 ng

RT: 20.997 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-1-1.5-082824

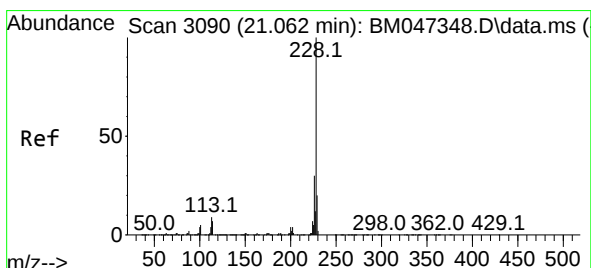
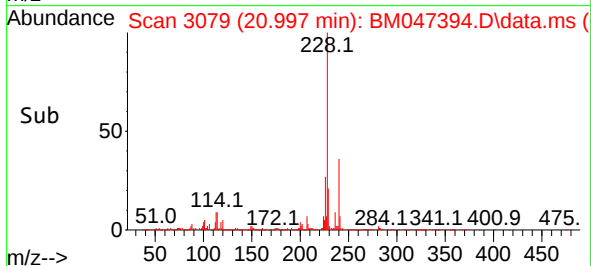
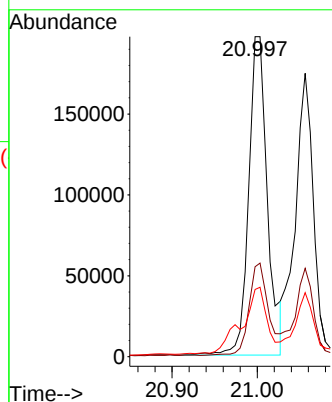
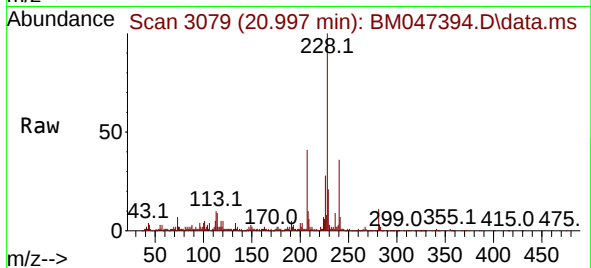
Tgt Ion:228 Resp: 301097

Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.0

229 21.0 15.8 23.8



#83

Chrysene

Concen: 3.630 ng

RT: 21.056 min Scan# 3089

Delta R.T. -0.006 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

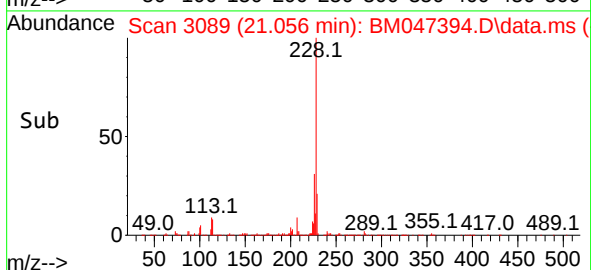
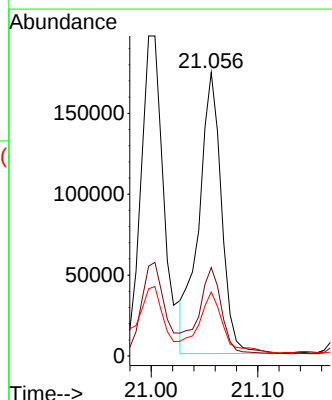
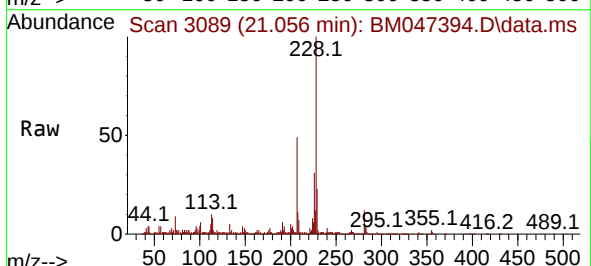
Tgt Ion:228 Resp: 257627

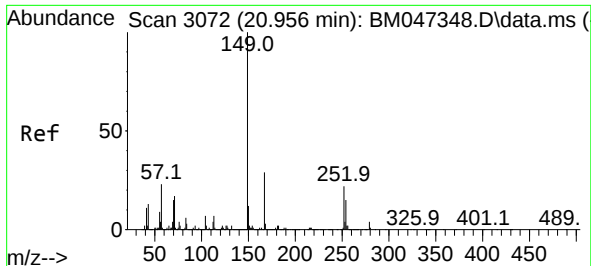
Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

229 22.6 15.9 23.9

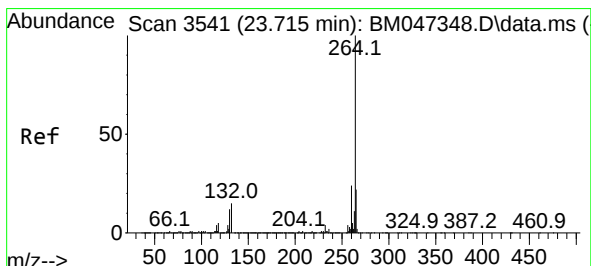
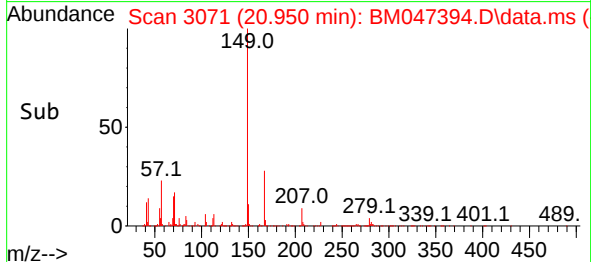
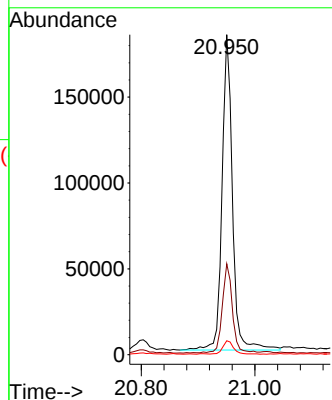
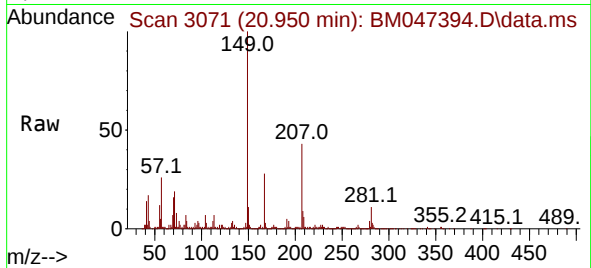




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.787 ng
RT: 20.950 min Scan# 3072
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

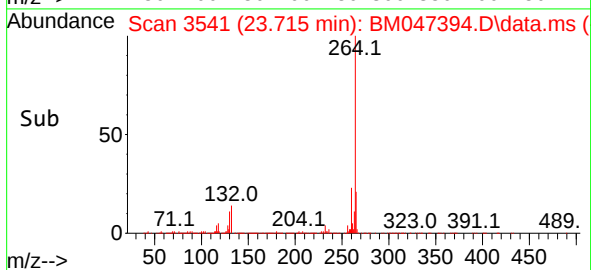
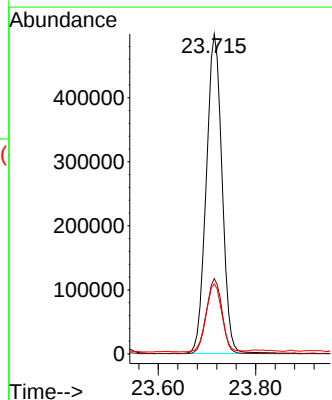
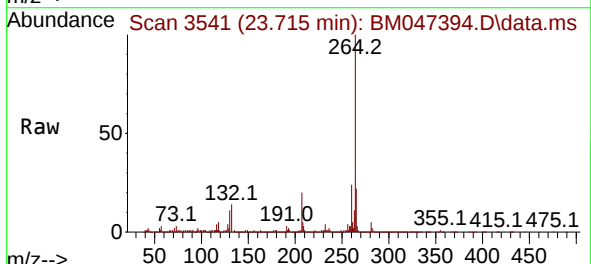
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-1-1.5-082824

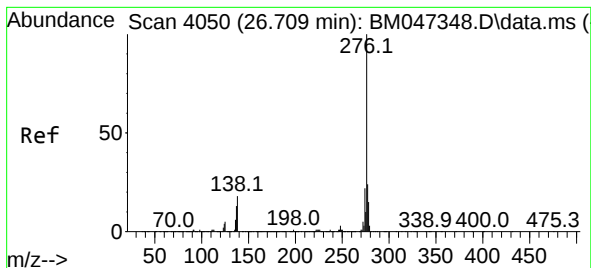
Tgt Ion:149 Resp: 234945
Ion Ratio Lower Upper
149 100
167 28.4 23.1 34.7
279 4.4 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.715 min Scan# 3541
Delta R.T. 0.000 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

Tgt Ion:264 Resp: 1116746
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.4
265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.605 ng

RT: 26.721 min Scan# 4052

Delta R.T. 0.012 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

Instrument :

BNA_M

ClientSampleId :

S-865-N-SO-1-1.5-082824

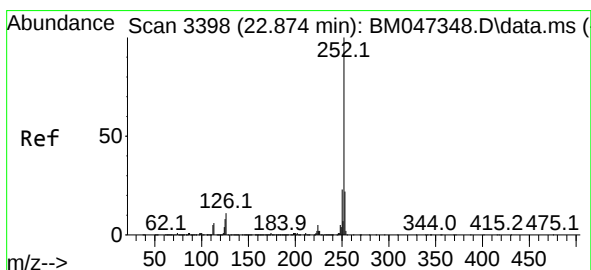
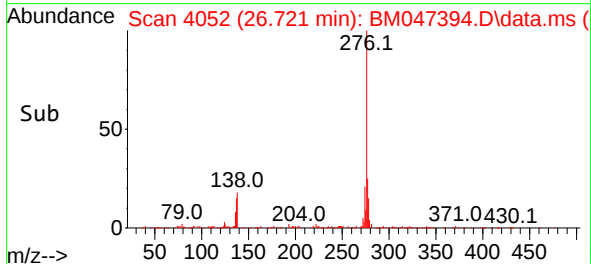
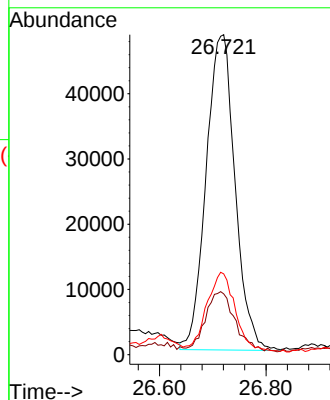
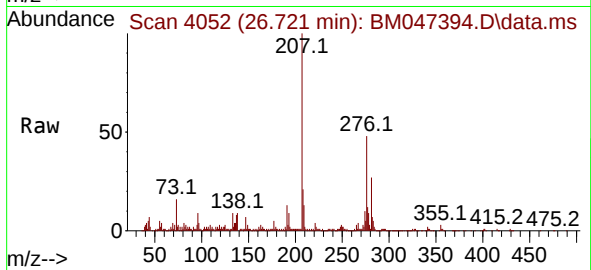
Tgt Ion:276 Resp: 182116

Ion Ratio Lower Upper

276 100

138 18.9 17.7 26.5

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 5.382 ng

RT: 22.874 min Scan# 3398

Delta R.T. 0.000 min

Lab File: BM047394.D

Acq: 29 Aug 2024 15:06

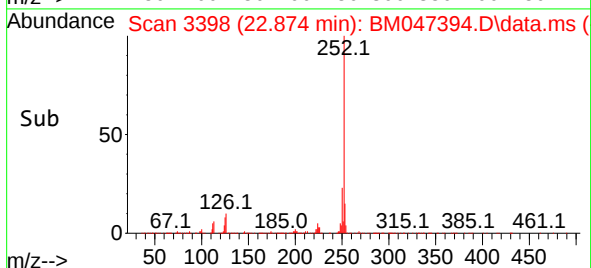
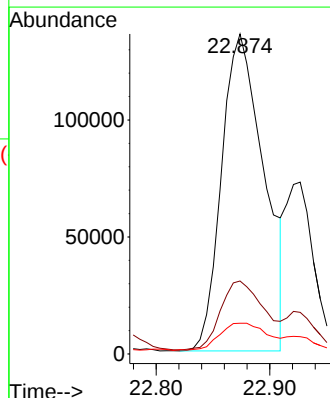
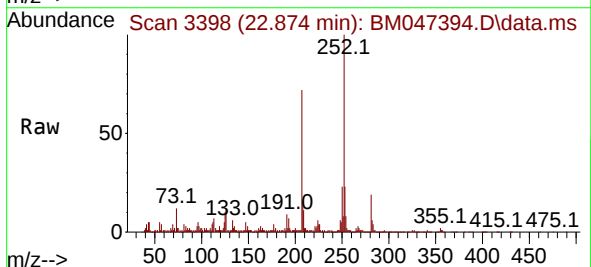
Tgt Ion:252 Resp: 350656

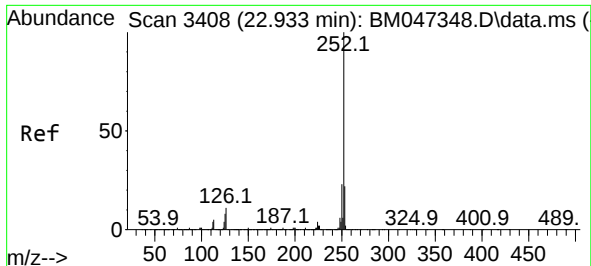
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 9.6 6.6 10.0

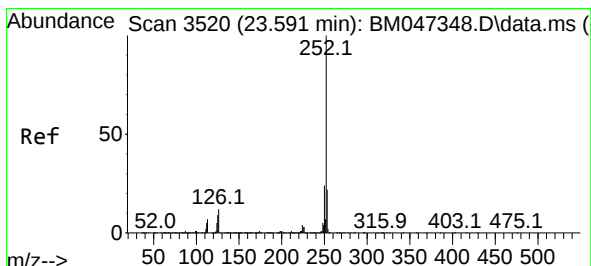
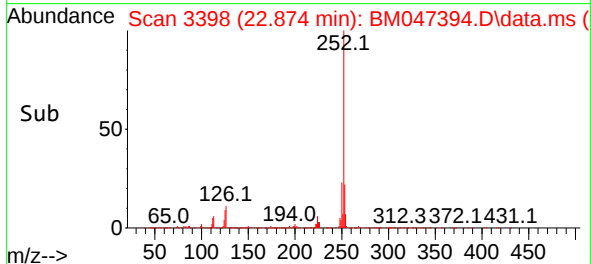
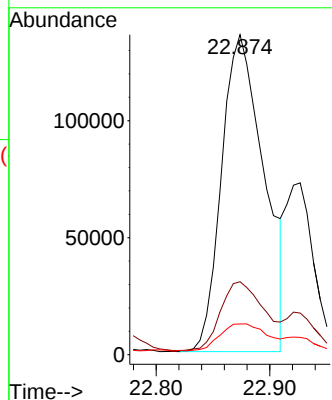
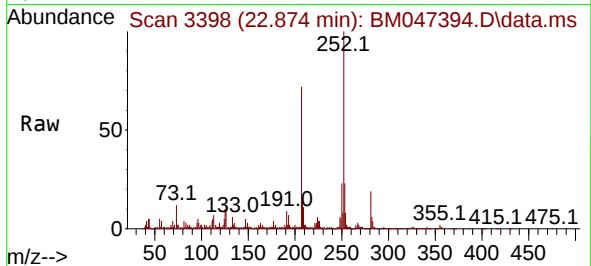




#89
Benzo(k)fluoranthene
Concen: 5.677 ng
RT: 22.874 min Scan# 31
Delta R.T. -0.059 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

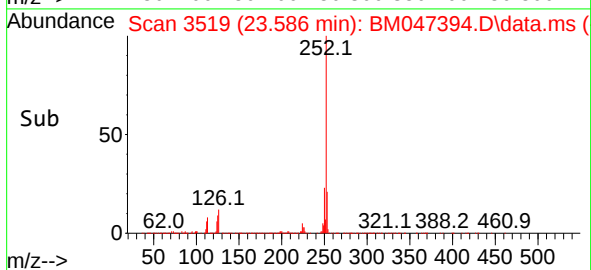
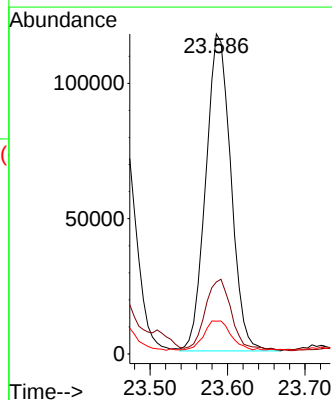
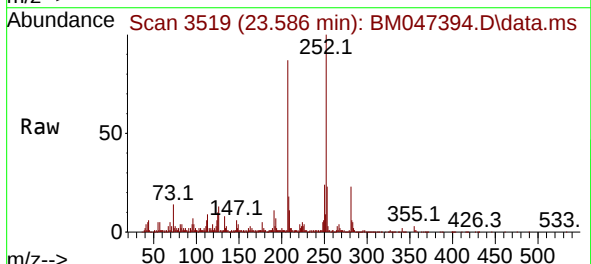
Instrument :
BNA_M
ClientSampleId :
S-865-N-SO-1-1.5-082824

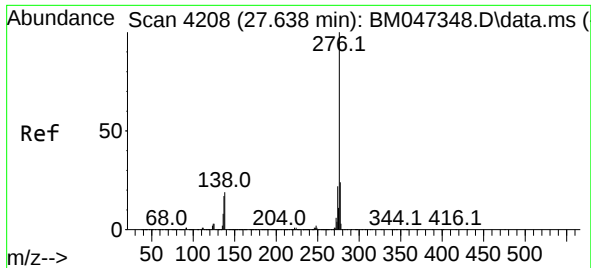
Tgt Ion:252 Resp: 350656
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.6 6.6 9.8



#90
Benzo(a)pyrene
Concen: 4.680 ng
RT: 23.586 min Scan# 3519
Delta R.T. -0.006 min
Lab File: BM047394.D
Acq: 29 Aug 2024 15:06

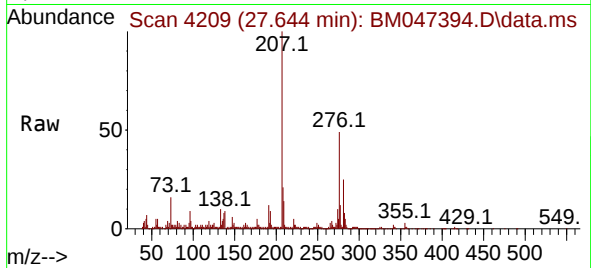
Tgt Ion:252 Resp: 263672
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 10.3 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.332 ng
 RT: 27.644 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: BM047394.D
 Acq: 29 Aug 2024 15:06

Instrument :
 BNA_M
 ClientSampleId :
 S-865-N-SO-1-1.5-082824



Tgt Ion:	276	Resp:	196179
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	18.4	15.0	22.6

