

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
 Data File : BM047384.D
 Acq On : 28 Aug 2024 17:05
 Operator : RC/JU
 Sample : P3767-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-1-COMPOSITE

Quant Time: Aug 28 17:44:37 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)

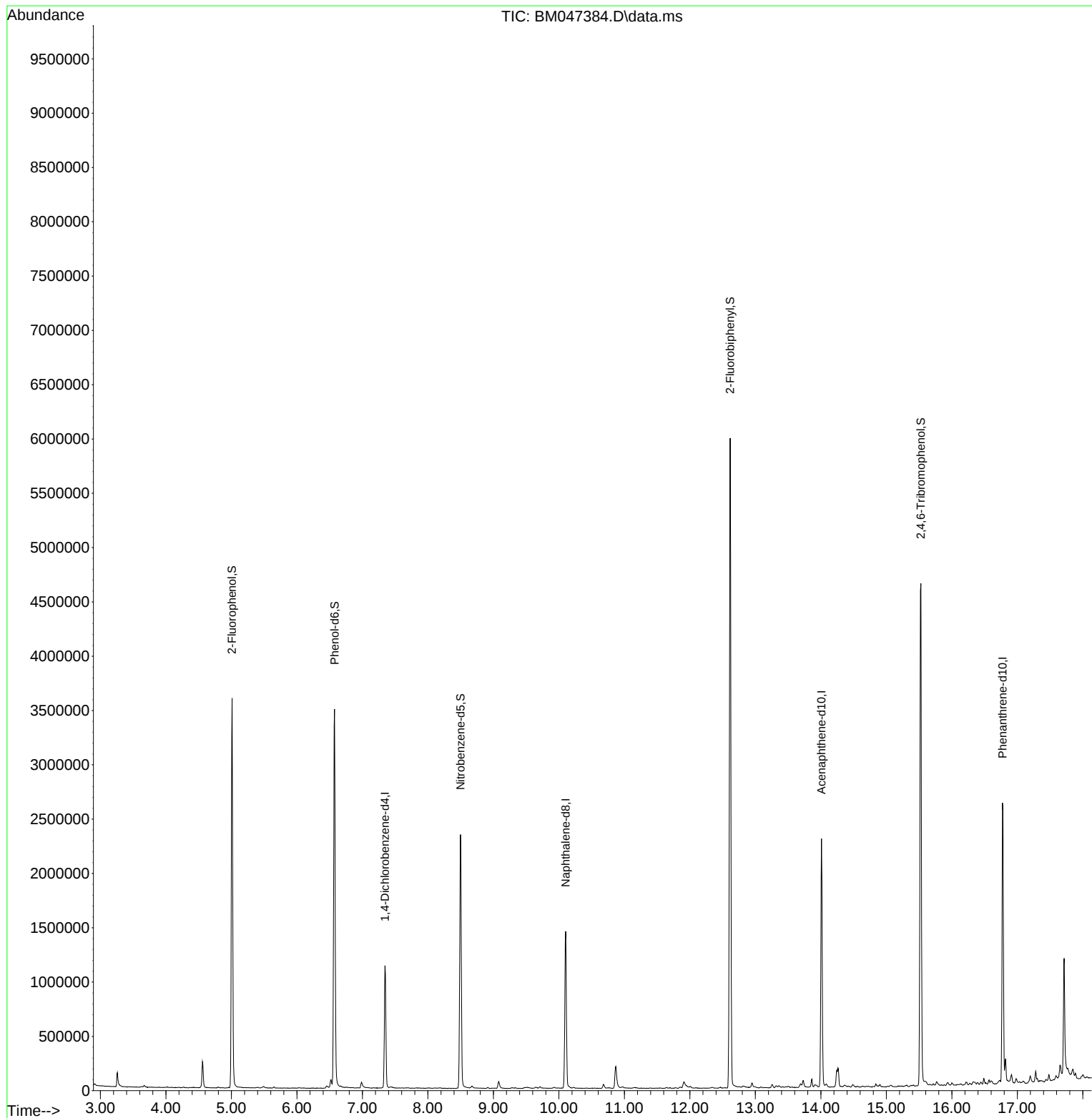
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	324682	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1235987	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	820392	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1598865	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1040324	20.000	ng	0.00
86) Perylene-d12	23.721	264	1147021	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1584992	93.658	ng	0.00
7) Phenol-d6	6.575	99	2121950	92.043	ng	0.00
23) Nitrobenzene-d5	8.498	82	1402358	62.954	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	955290	96.514	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	3359721	62.924	ng	0.00
79) Terphenyl-d14	19.445	244	3950714	67.595	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	18.856	202	331550	3.636	ng	99
78) Pyrene	19.227	202	300344	3.764	ng	99
81) Benzo(a)anthracene	21.003	228	166201	2.450	ng	97
83) Chrysene	21.062	228	211159	3.309	ng	98
87) Indeno(1,2,3-cd)pyrene	26.726	276	157715	2.196	ng	98
88) Benzo(b)fluoranthene	22.880	252	328237	4.905	ng	# 97
89) Benzo(k)fluoranthene	22.933	252	137575	2.169	ng	# 94
90) Benzo(a)pyrene	23.597	252	167580	2.896	ng	# 98
92) Benzo(g,h,i)perylene	27.662	276	149788	2.477	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
Data File : BM047384.D
Acq On : 28 Aug 2024 17:05
Operator : RC/JU
Sample : P3767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P-1-COMPOSITE

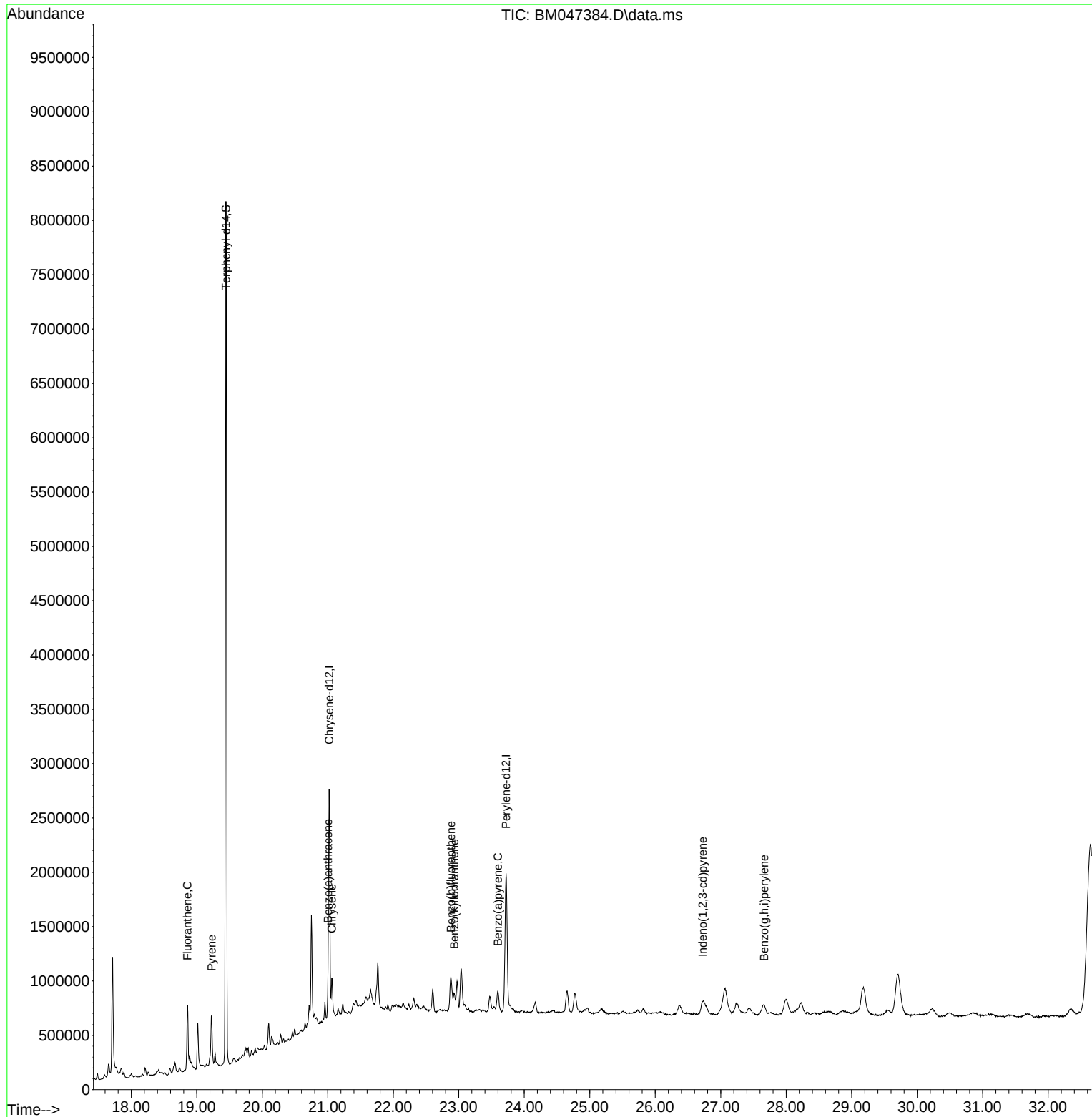
Quant Time: Aug 28 17:44:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

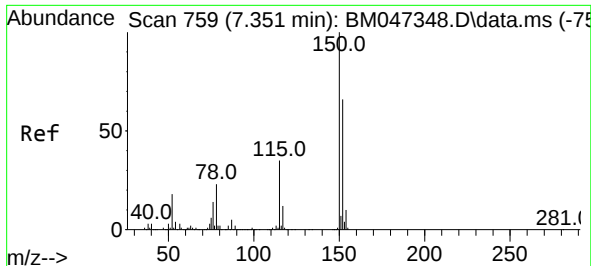


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
Data File : BM047384.D
Acq On : 28 Aug 2024 17:05
Operator : RC/JU
Sample : P3767-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P-1-COMPOSITE

Quant Time: Aug 28 17:44:37 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



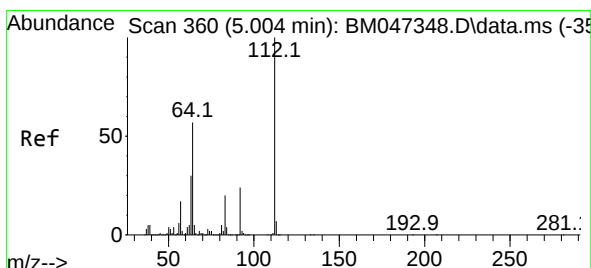
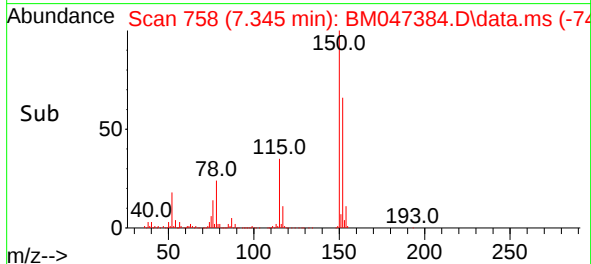
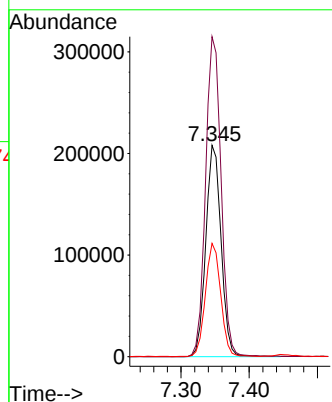
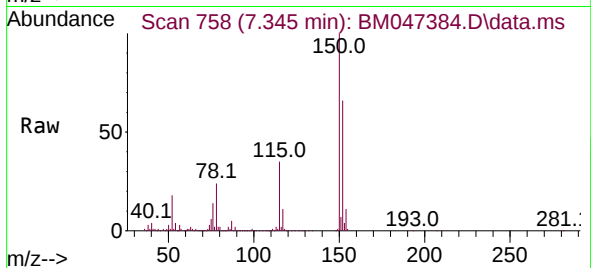


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.345 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BM047384.D
 Acq: 28 Aug 2024 17:05

Instrument :
 BNA_M
 ClientSampleId :
 P-1-COMPOSITE

Tgt Ion:152 Resp: 324682

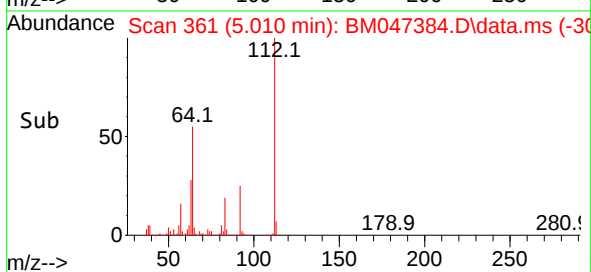
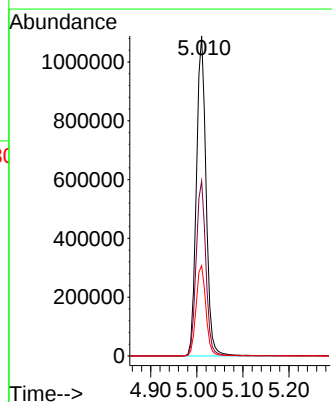
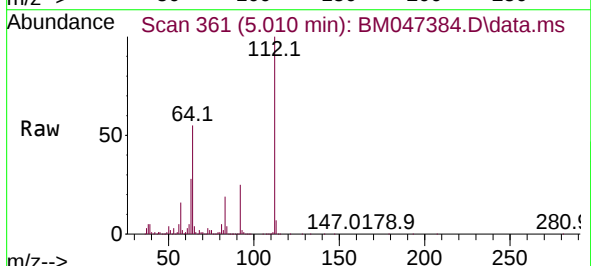
Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.3	181.9
115	53.6	42.6	64.0



#5
 2-Fluorophenol
 Concen: 93.658 ng
 RT: 5.010 min Scan# 361
 Delta R.T. 0.006 min
 Lab File: BM047384.D
 Acq: 28 Aug 2024 17:05

Tgt Ion:112 Resp: 1584992

Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.7	68.5
63	28.2	23.8	35.8

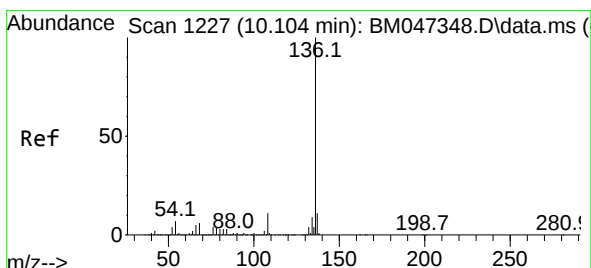
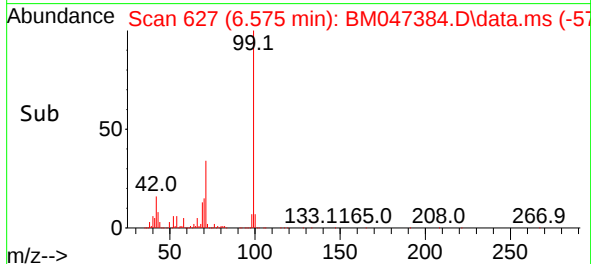
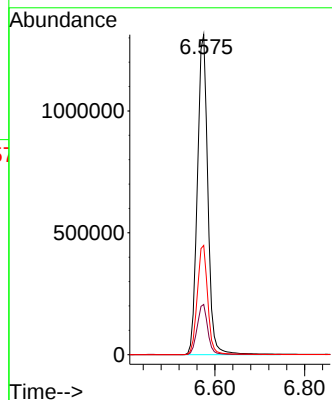
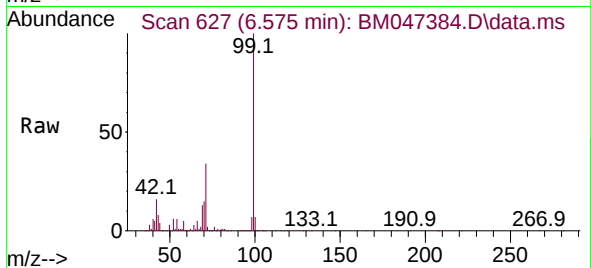




#7
Phenol-d6
Concen: 92.043 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047384.D
Acq: 28 Aug 2024 17:05

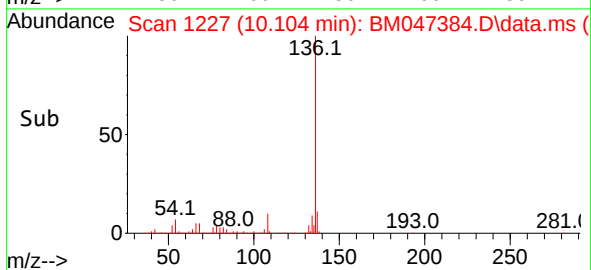
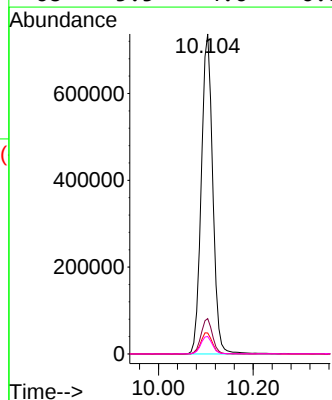
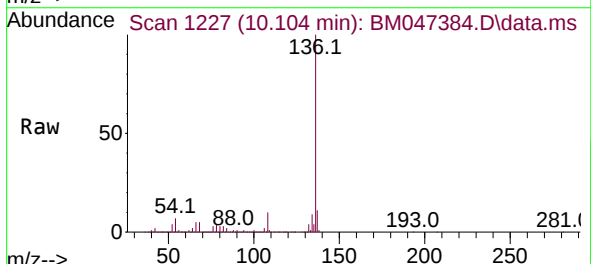
Instrument :
BNA_M
ClientSampleId :
P-1-COMPOSITE

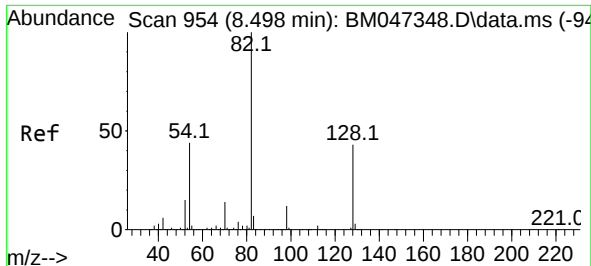
Tgt Ion: 99 Resp: 2121950
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 34.2 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BM047384.D
Acq: 28 Aug 2024 17:05

Tgt Ion: 136 Resp: 1235987
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.2 7.8
68 5.5 4.6 6.8

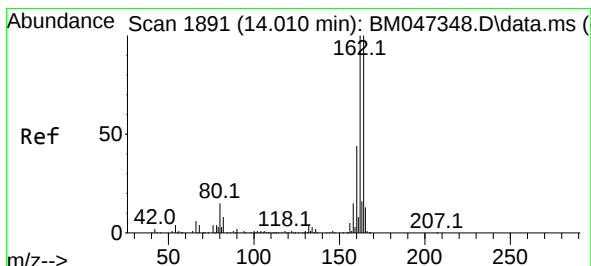
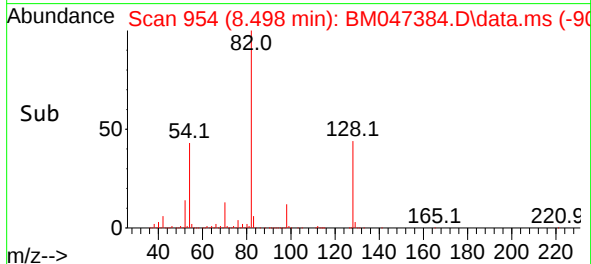
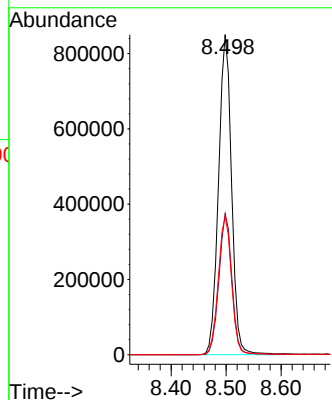
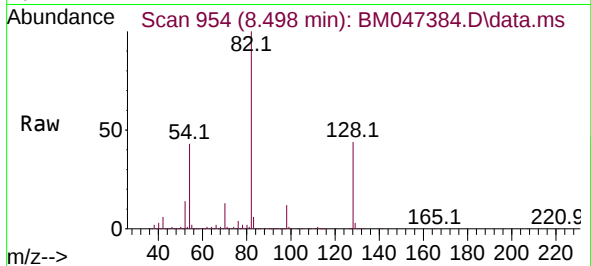




#23
Nitrobenzene-d5
Concen: 62.954 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047384.D
Acq: 28 Aug 2024 17:05

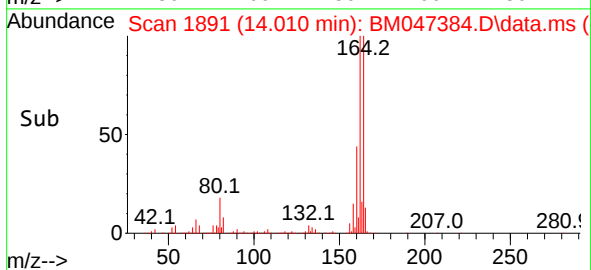
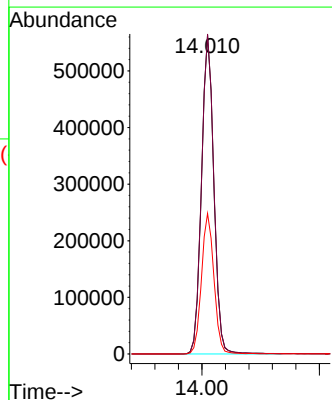
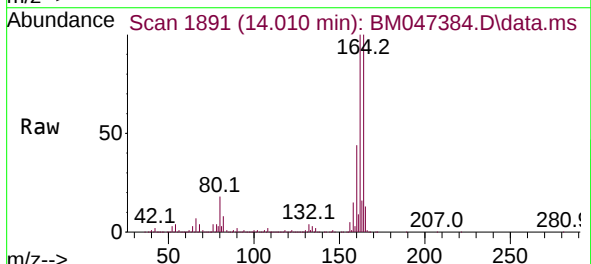
Instrument :
BNA_M
ClientSampleId :
P-1-COMPOSITE

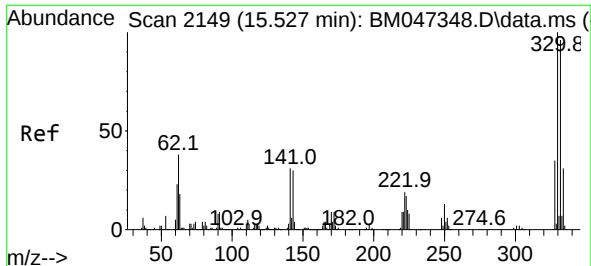
Tgt Ion: 82 Resp: 1402358
Ion Ratio Lower Upper
82 100
128 44.1 34.6 51.8
54 43.2 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047384.D
Acq: 28 Aug 2024 17:05

Tgt Ion:164 Resp: 820392
Ion Ratio Lower Upper
164 100
162 100.3 79.7 119.5
160 44.0 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 96.514 ng

RT: 15.527 min Scan# 2149

Delta R.T. -0.000 min

Lab File: BM047384.D

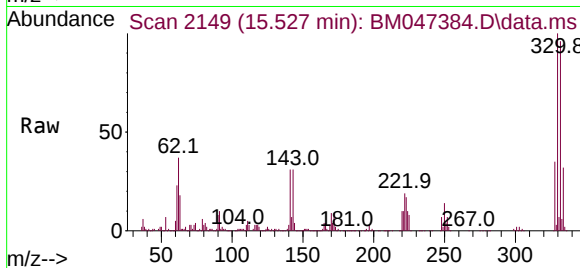
Acq: 28 Aug 2024 17:05

Instrument :

BNA_M

ClientSampleId :

P-1-COMPOSITE



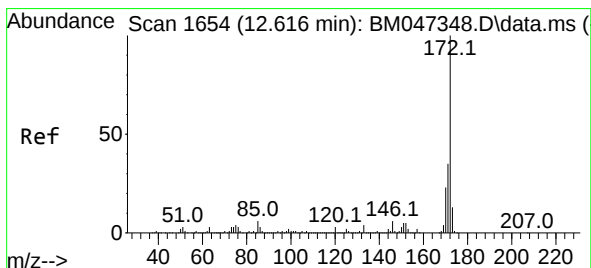
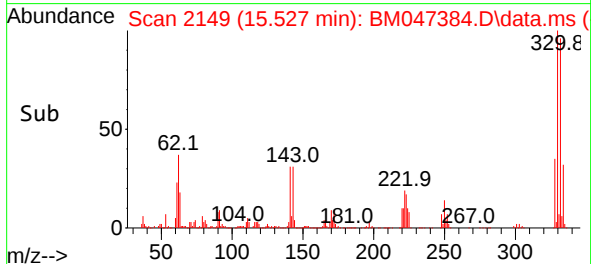
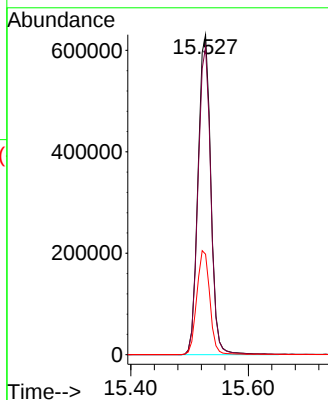
Tgt Ion:330 Resp: 955290

Ion Ratio Lower Upper

330 100

332 96.0 77.2 115.8

141 33.0 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 62.924 ng

RT: 12.616 min Scan# 1654

Delta R.T. -0.000 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

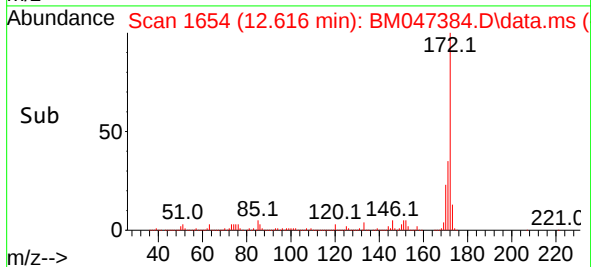
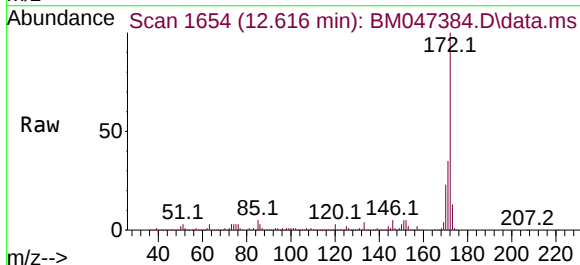
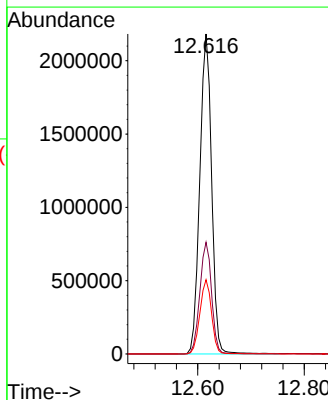
Tgt Ion:172 Resp: 3359721

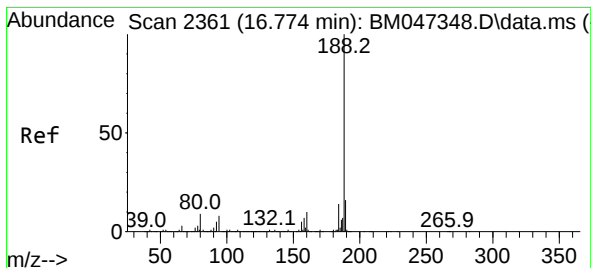
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.2 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

Instrument :

BNA_M

ClientSampleId :

P-1-COMPOSITE

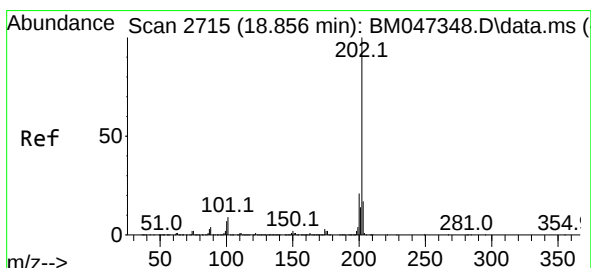
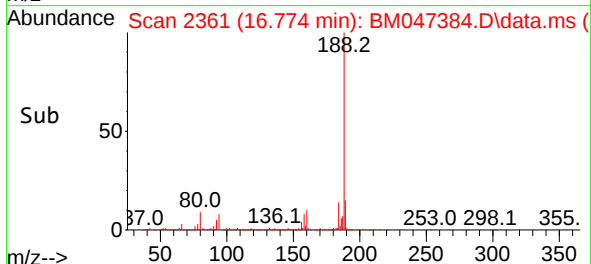
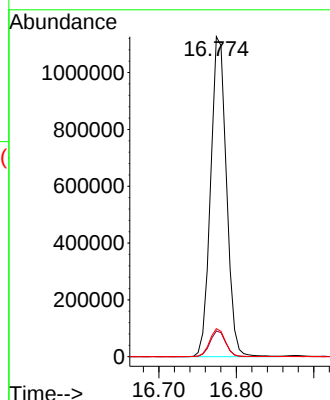
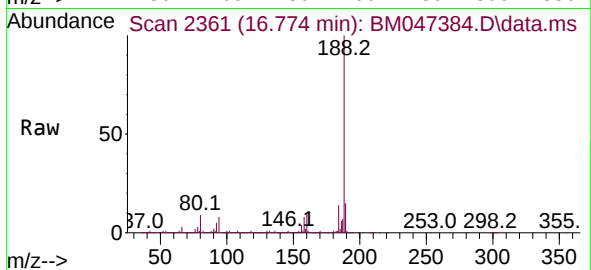
Tgt Ion:188 Resp: 1598865

Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.8 7.4 11.2



#75

Fluoranthene

Concen: 3.636 ng

RT: 18.856 min Scan# 2715

Delta R.T. -0.000 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

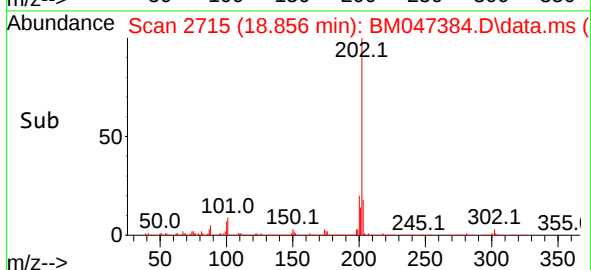
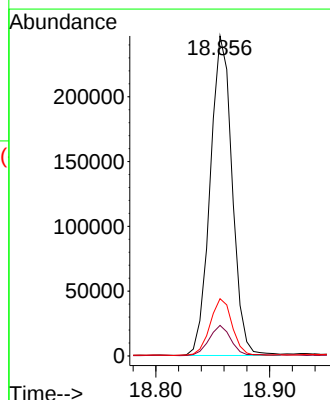
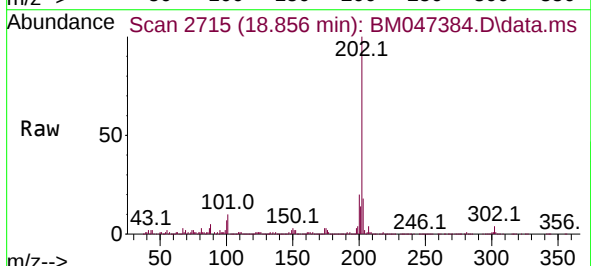
Tgt Ion:202 Resp: 331550

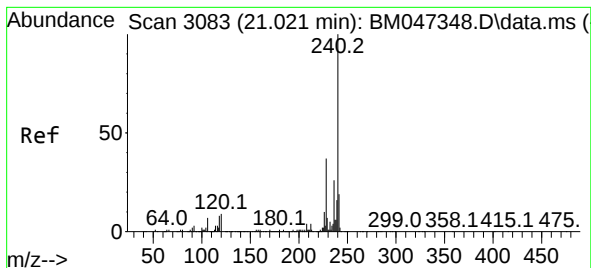
Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.0

203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.021 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

Instrument :

BNA_M

ClientSampleId :

P-1-COMPOSITE

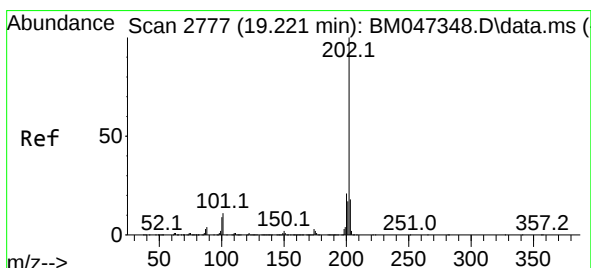
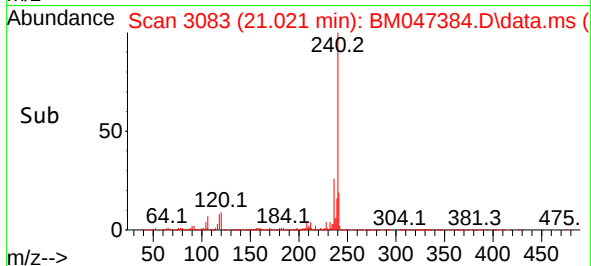
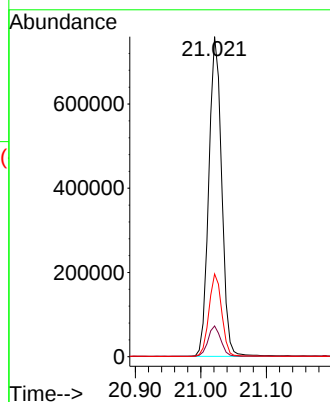
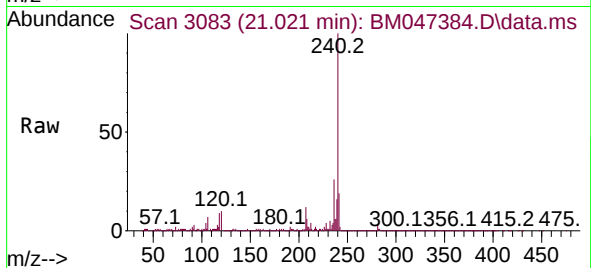
Tgt Ion:240 Resp: 1040324

Ion Ratio Lower Upper

240 100

120 9.6 7.4 11.0

236 25.8 20.8 31.2



#78

Pyrene

Concen: 3.764 ng

RT: 19.227 min Scan# 2778

Delta R.T. 0.006 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

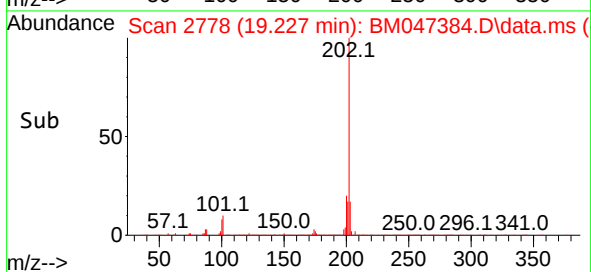
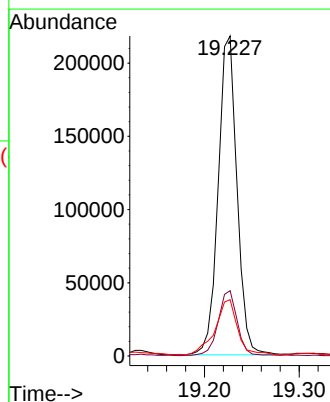
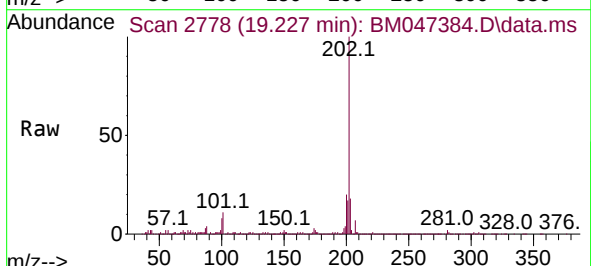
Tgt Ion:202 Resp: 300344

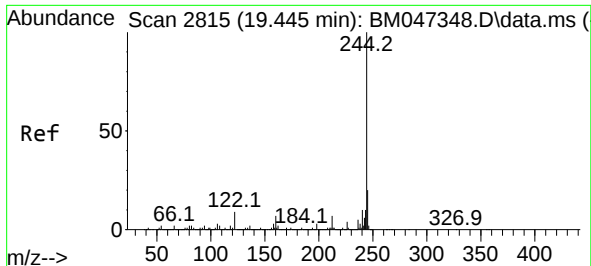
Ion Ratio Lower Upper

202 100

200 20.4 16.7 25.1

203 17.6 14.2 21.4

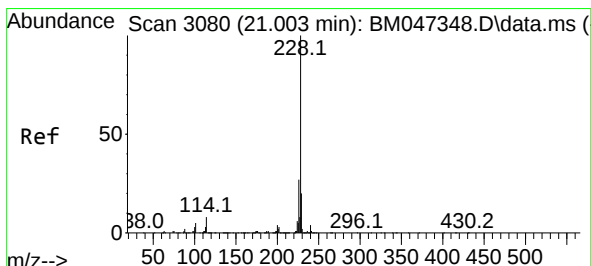
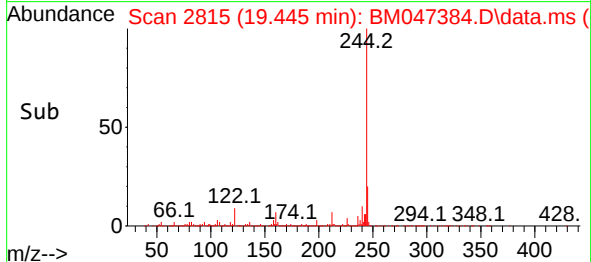
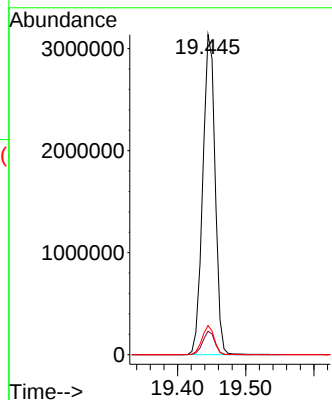
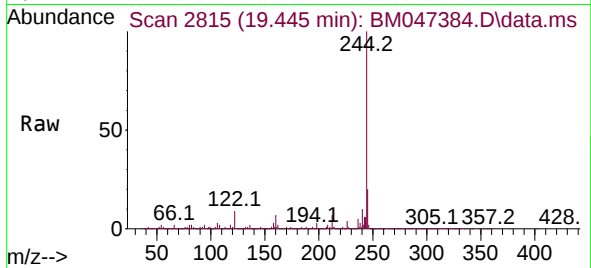




#79
 Terphenyl-d14
 Concen: 67.595 ng
 RT: 19.445 min Scan# 2815
 Delta R.T. -0.000 min
 Lab File: BM047384.D
 Acq: 28 Aug 2024 17:05

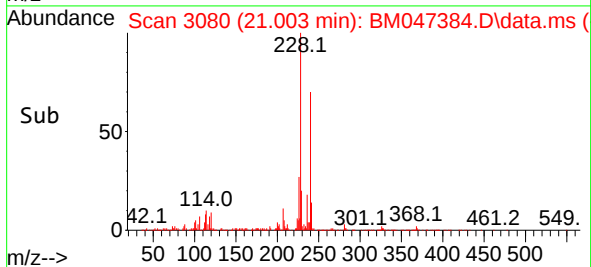
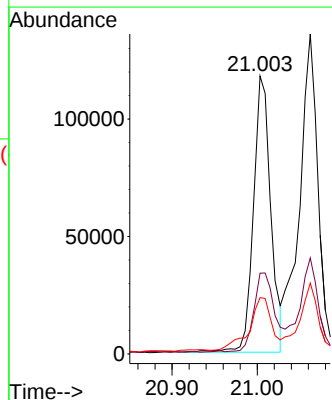
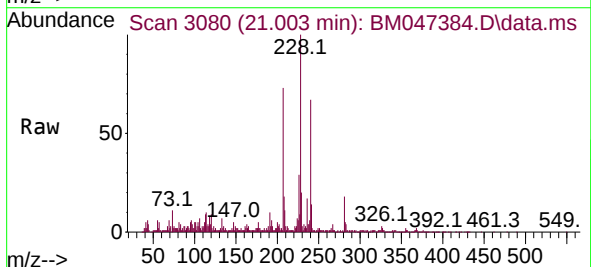
Instrument :
 BNA_M
 ClientSampleId :
 P-1-COMPOSITE

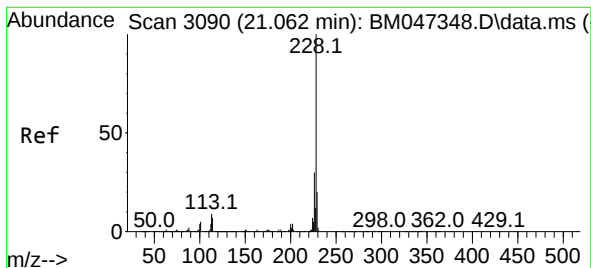
Tgt Ion:244 Resp: 3950714
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 9.1 7.0 10.4



#81
 Benzo(a)anthracene
 Concen: 2.450 ng
 RT: 21.003 min Scan# 3080
 Delta R.T. -0.000 min
 Lab File: BM047384.D
 Acq: 28 Aug 2024 17:05

Tgt Ion:228 Resp: 166201
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.4 32.0
 229 20.2 15.8 23.8





#83

Chrysene

Concen: 3.309 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.000 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

Instrument :

BNA_M

ClientSampleId :

P-1-COMPOSITE

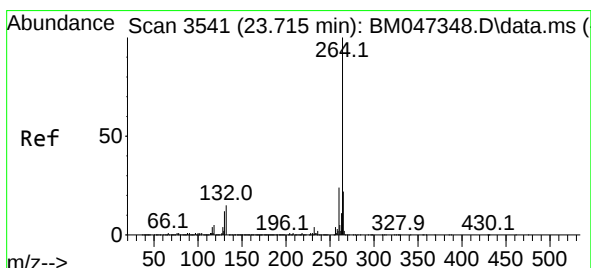
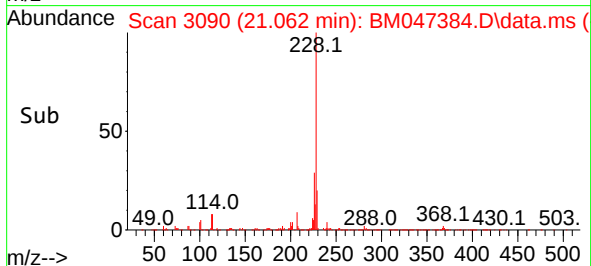
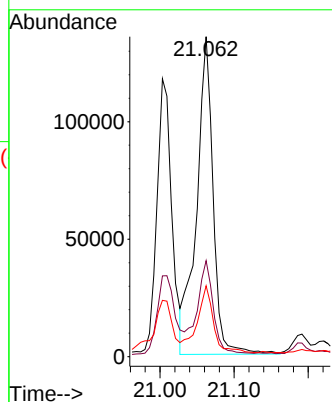
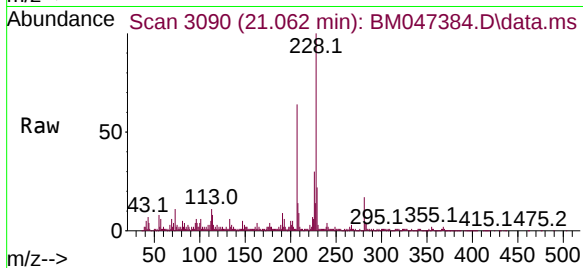
Tgt Ion:228 Resp: 211159

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 22.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3542

Delta R.T. 0.006 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

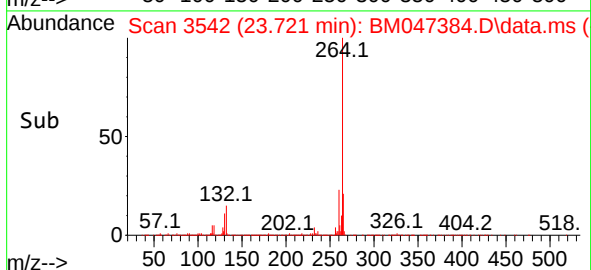
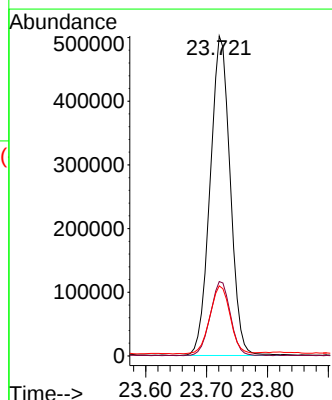
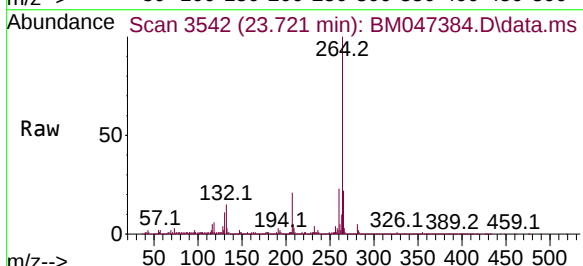
Tgt Ion:264 Resp: 1147021

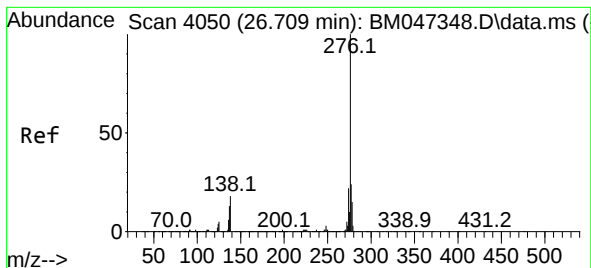
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.196 ng

RT: 26.726 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

Instrument :

BNA_M

ClientSampleId :

P-1-COMPOSITE

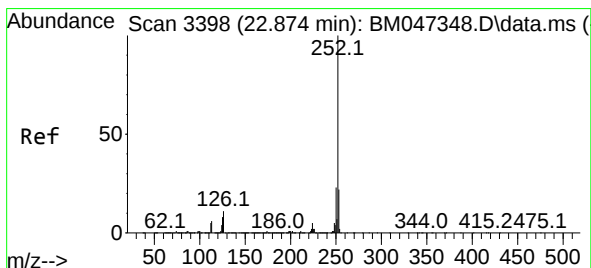
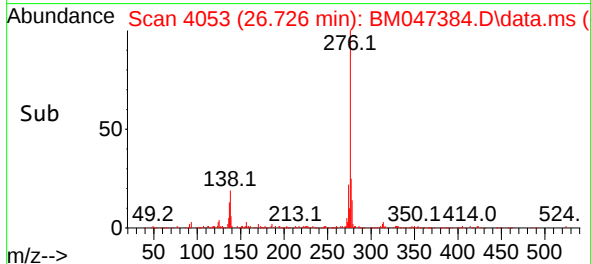
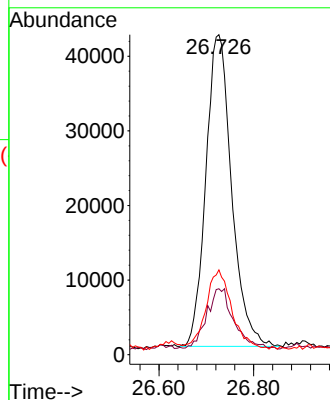
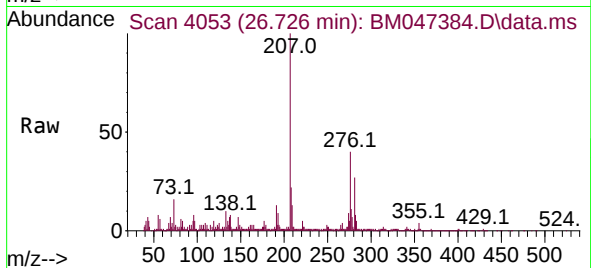
Tgt Ion:276 Resp: 157715

Ion Ratio Lower Upper

276 100

138 20.8 17.7 26.5

277 25.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 4.905 ng

RT: 22.880 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

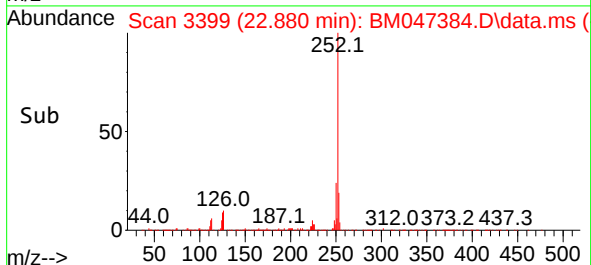
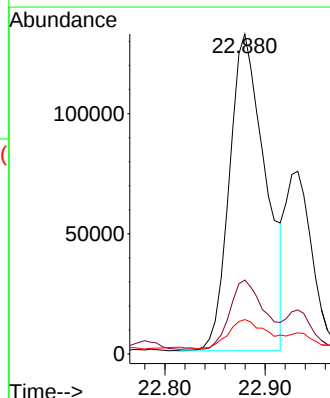
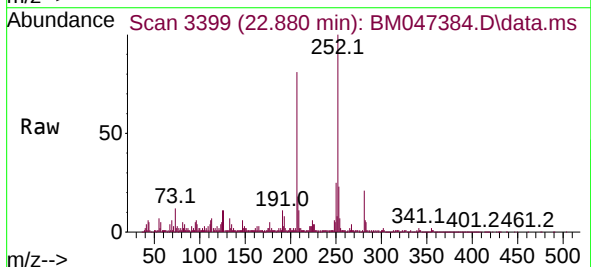
Tgt Ion:252 Resp: 328237

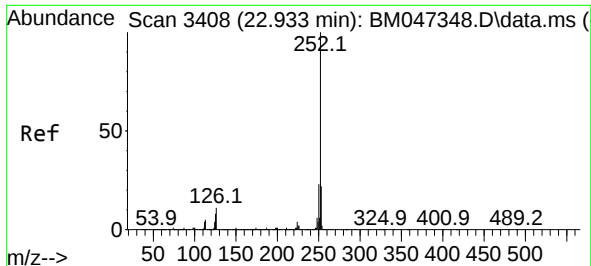
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 10.7 6.6 10.0#





#89

Benzo(k)fluoranthene

Concen: 2.169 ng

RT: 22.933 min Scan# 34

Delta R.T. -0.000 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

Instrument :

BNA_M

ClientSampleId :

P-1-COMPOSITE

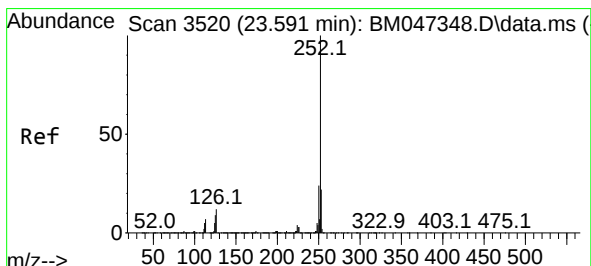
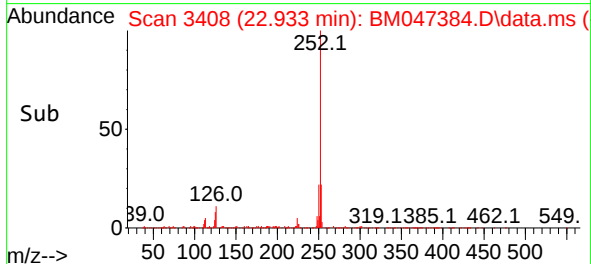
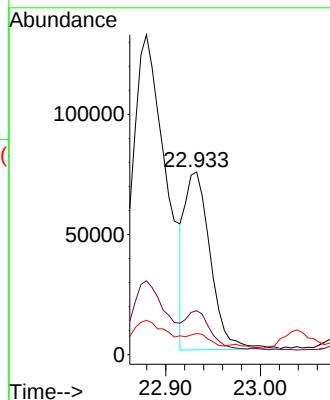
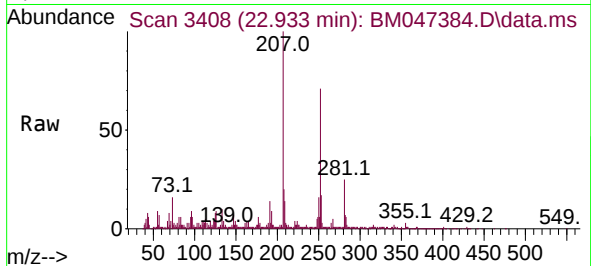
Tgt Ion:252 Resp: 137575

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 11.5 6.6 9.8#



#90

Benzo(a)pyrene

Concen: 2.896 ng

RT: 23.597 min Scan# 3521

Delta R.T. 0.006 min

Lab File: BM047384.D

Acq: 28 Aug 2024 17:05

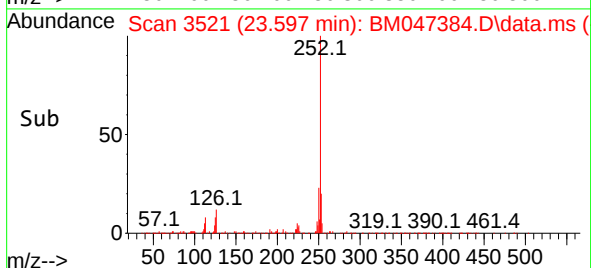
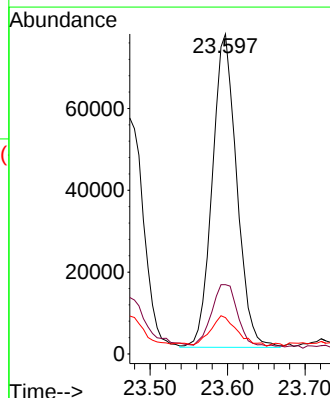
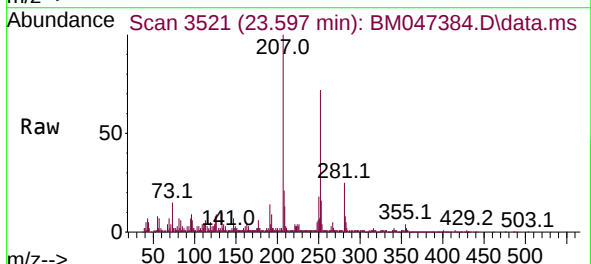
Tgt Ion:252 Resp: 167580

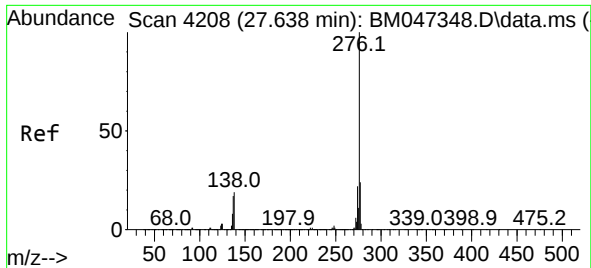
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.4 7.4 11.2#





#92
 Benzo(g,h,i)perylene
 Concen: 2.477 ng
 RT: 27.662 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: BM047384.D
 Acq: 28 Aug 2024 17:05

Instrument :
 BNA_M
 ClientSampleId :
 P-1-COMPOSITE

Tgt Ion:	276	Resp:	149788
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	20.0	15.0	22.6

