

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090424\
 Data File : BM047442.D
 Acq On : 04 Sep 2024 17:23
 Operator : RC/JU
 Sample : P3750-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11978

Quant Time: Sep 04 18:20:34 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)

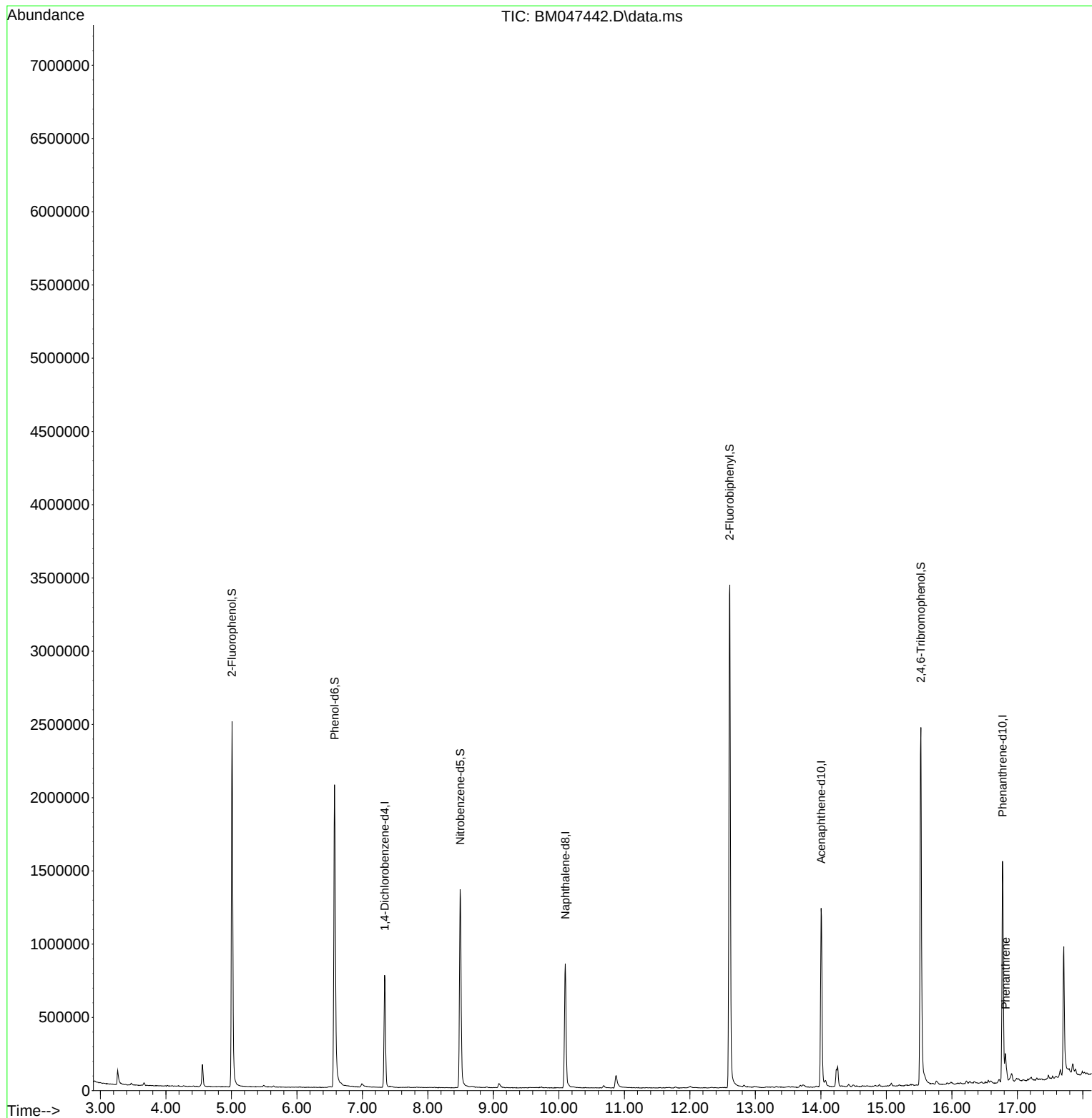
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.340	152	229312	20.000	ng	-0.01
21) Naphthalene-d8	10.098	136	764875	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	491700	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	984556	20.000	ng	0.00
76) Chrysene-d12	21.021	240	932157	20.000	ng	0.00
86) Perylene-d12	23.727	264	1085911	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1147580	96.013	ng	0.00
7) Phenol-d6	6.575	99	1394876	85.669	ng	0.00
23) Nitrobenzene-d5	8.492	82	884280	64.148	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	563488	94.987	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	2121799	66.304	ng	0.00
79) Terphenyl-d14	19.439	244	2971595	56.743	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	604	Below Cal	#	29
71) Phenanthrene	16.821	178	116089	2.428	ng	99
75) Fluoranthene	18.856	202	300269	5.348	ng	99
78) Pyrene	19.221	202	316916	4.433	ng	99
81) Benzo(a)anthracene	21.003	228	200009	3.290	ng	97
83) Chrysene	21.062	228	219381	3.837	ng	97
87) Indeno(1,2,3-cd)pyrene	26.750	276	142578	2.097	ng	# 94
88) Benzo(b)fluoranthene	22.886	252	275153	4.343	ng	# 97
89) Benzo(k)fluoranthene	22.886	252	275153	4.581	ng	# 96
90) Benzo(a)pyrene	23.597	252	189724	3.463	ng	96
92) Benzo(g,h,i)perylene	27.685	276	137447	2.401	ng	99

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

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Instrument :
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72-11978

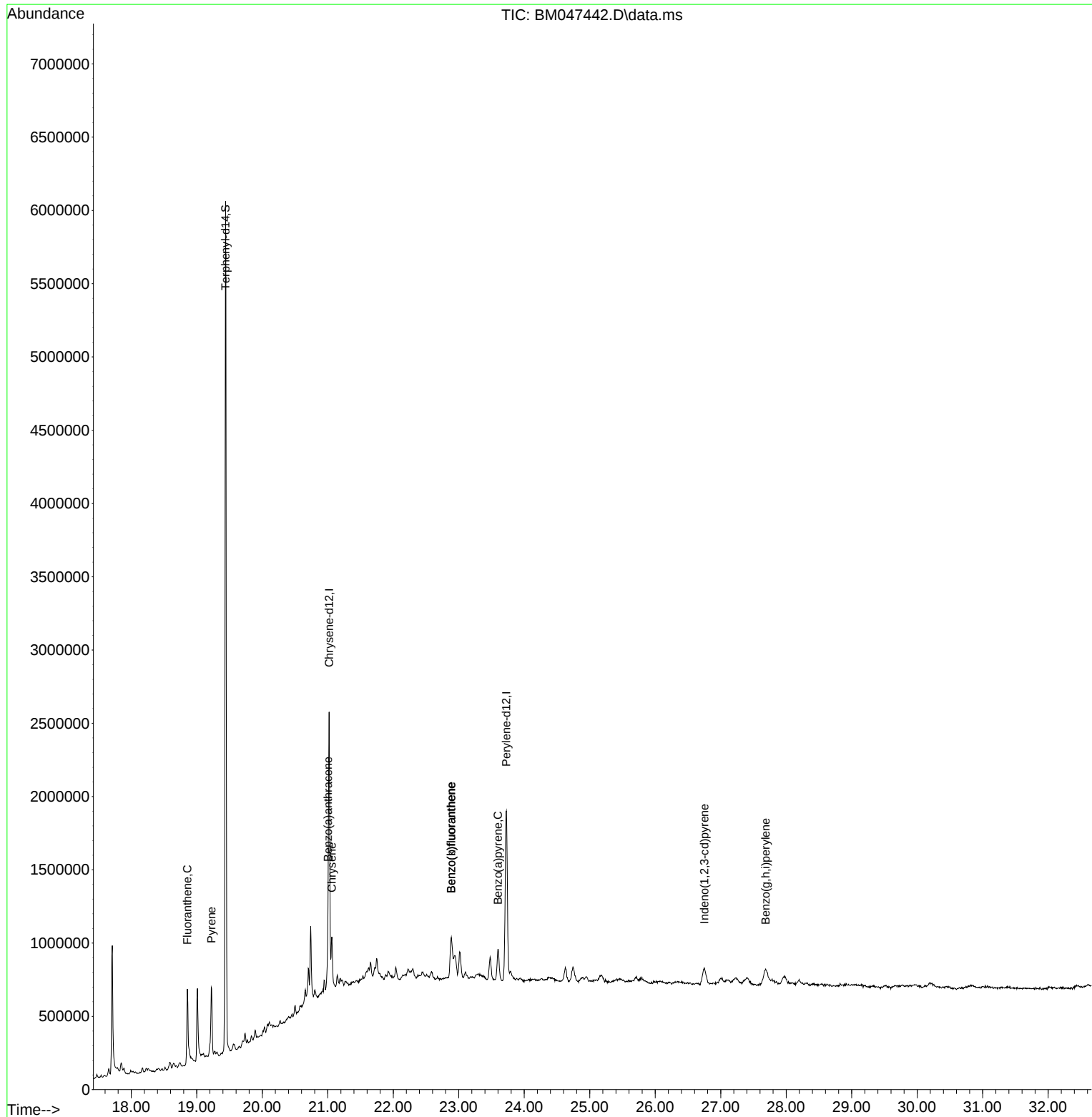
Quant Time: Sep 04 18:20:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090424\
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Quant Time: Sep 04 18:20:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
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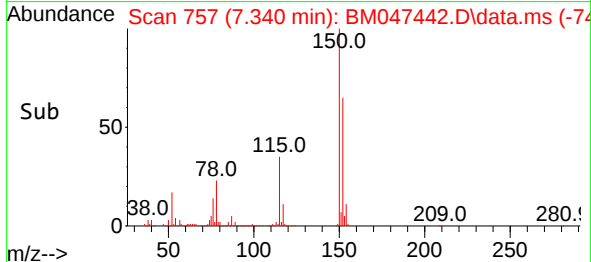
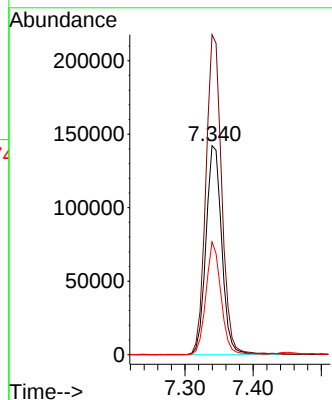
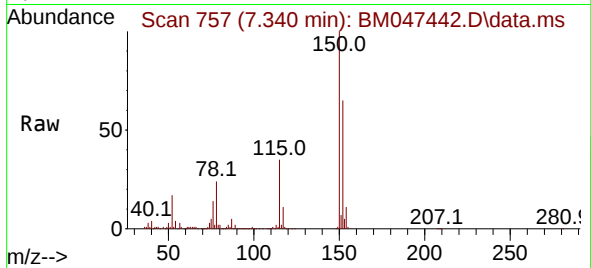




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.340 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BM047442.D
 Acq: 04 Sep 2024 17:23

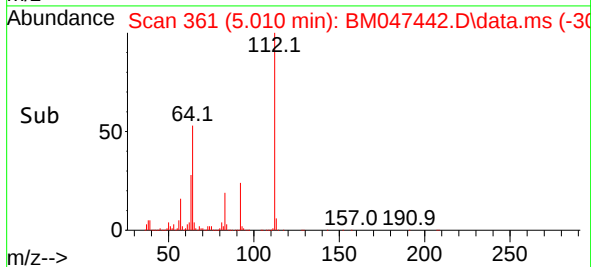
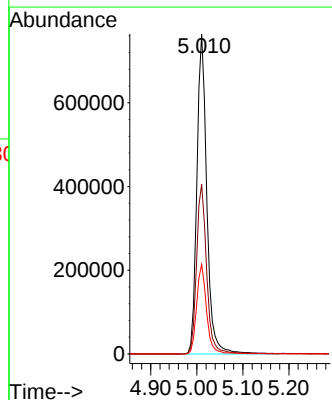
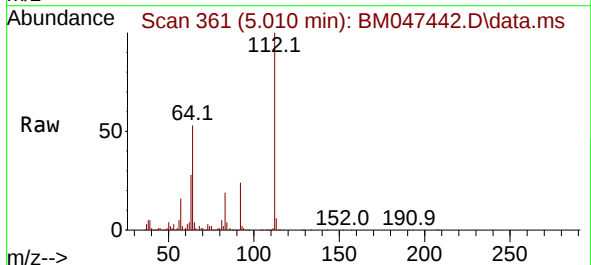
Instrument :
 BNA_M
 ClientSampleId :
 72-11978

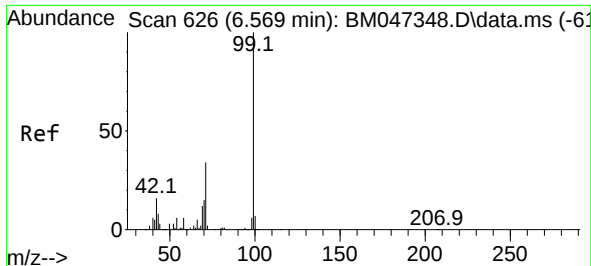
Tgt Ion:152 Resp: 229312
 Ion Ratio Lower Upper
 152 100
 150 153.1 121.3 181.9
 115 53.9 42.6 64.0



#5
 2-Fluorophenol
 Concen: 96.013 ng
 RT: 5.010 min Scan# 361
 Delta R.T. 0.006 min
 Lab File: BM047442.D
 Acq: 04 Sep 2024 17:23

Tgt Ion:112 Resp: 1147580
 Ion Ratio Lower Upper
 112 100
 64 53.1 45.7 68.5
 63 28.0 23.8 35.8

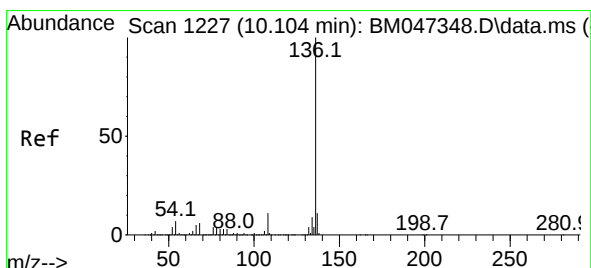
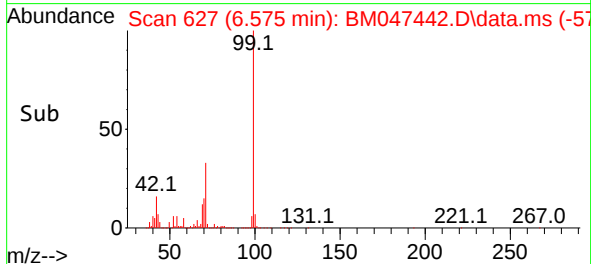
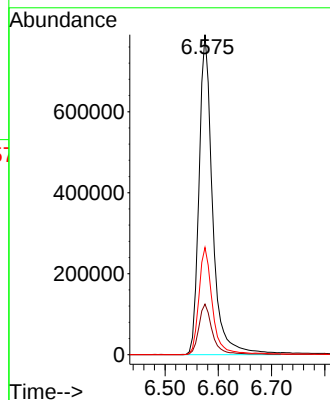
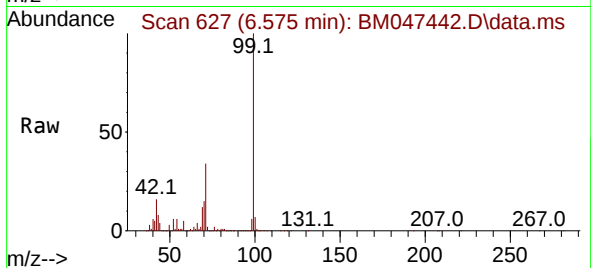




#7
Phenol-d6
Concen: 85.669 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

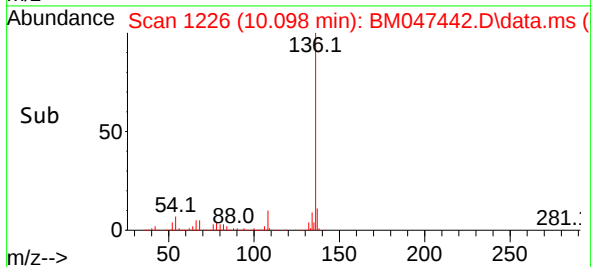
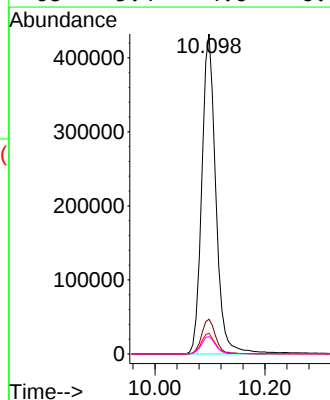
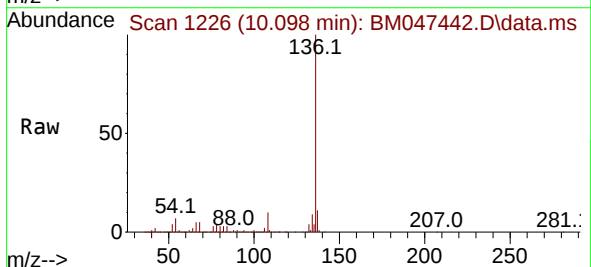
Instrument :
BNA_M
ClientSampleId :
72-11978

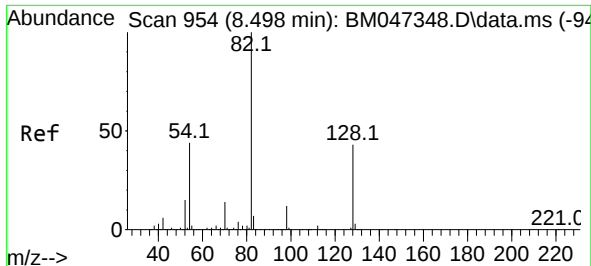
Tgt Ion: 99 Resp: 1394876
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 33.5 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

Tgt Ion: 136 Resp: 764875
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.5 5.2 7.8
68 5.4 4.6 6.8

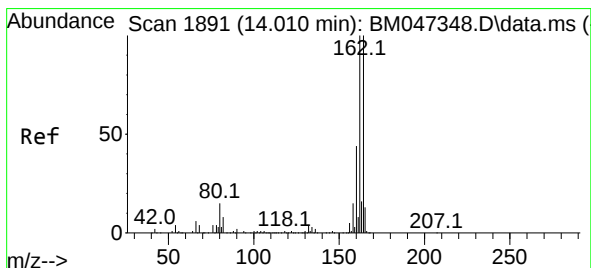
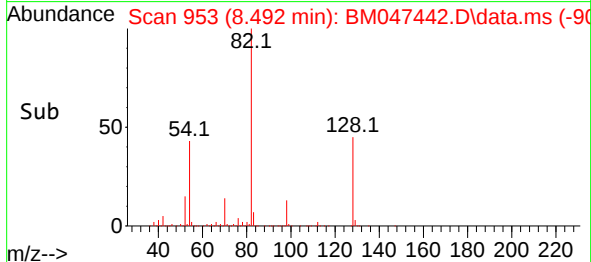
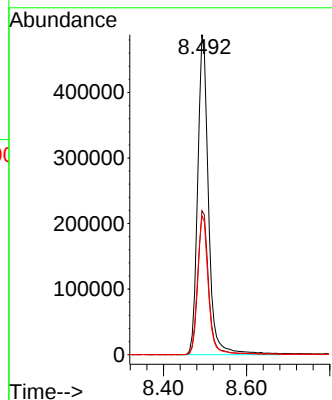
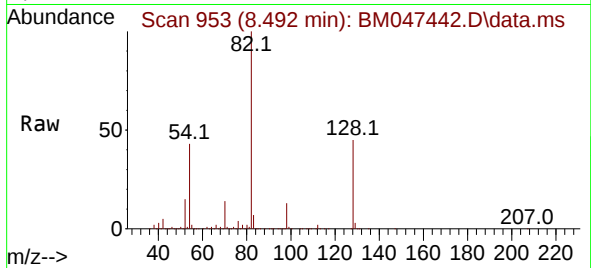




#23
Nitrobenzene-d5
Concen: 64.148 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

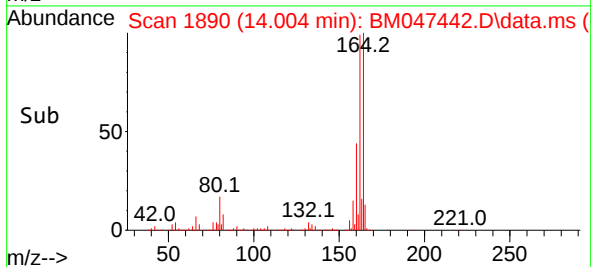
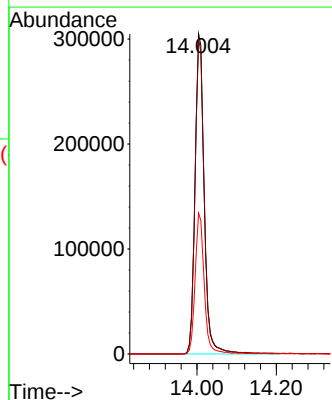
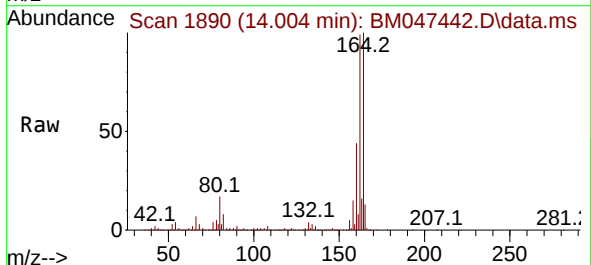
Instrument :
BNA_M
ClientSampleId :
72-11978

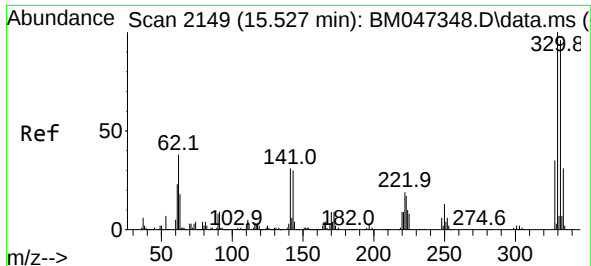
Tgt Ion: 82 Resp: 884280
Ion Ratio Lower Upper
82 100
128 45.0 34.6 51.8
54 43.3 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

Tgt Ion: 164 Resp: 491700
Ion Ratio Lower Upper
164 100
162 98.6 79.7 119.5
160 44.0 34.9 52.3

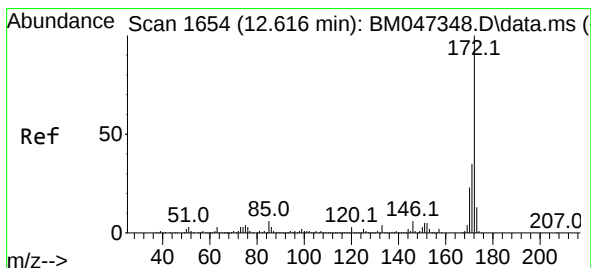
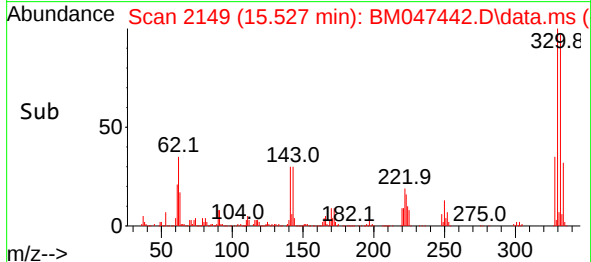
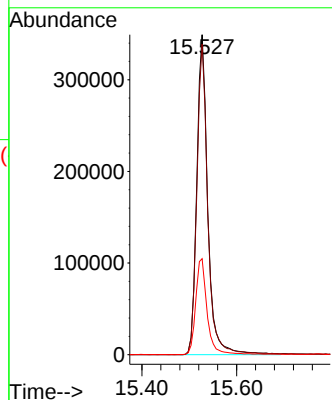
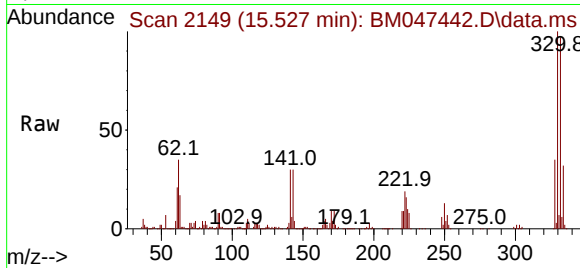




#42
2,4,6-Tribromophenol
Concen: 94.987 ng
RT: 15.527 min Scan# 2149
Delta R.T. 0.000 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

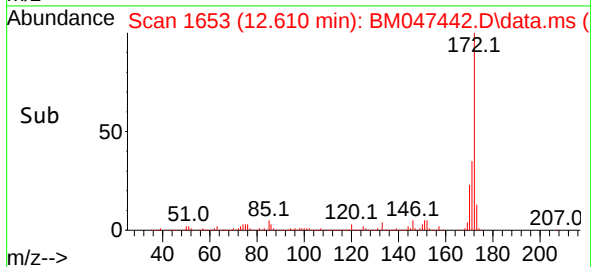
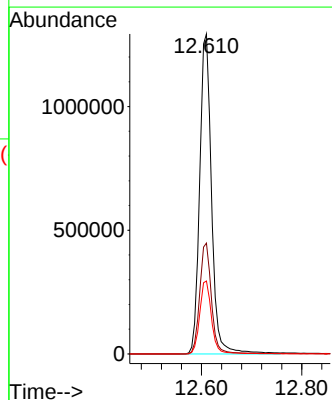
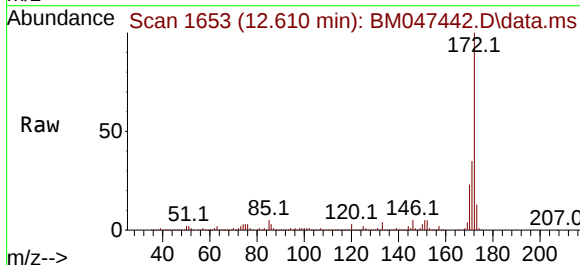
Instrument :
BNA_M
ClientSampleId :
72-11978

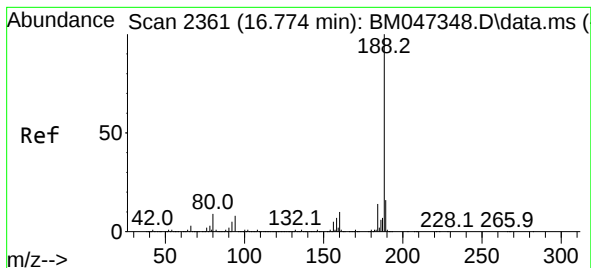
Tgt Ion:330 Resp: 563488
Ion Ratio Lower Upper
330 100
332 97.1 77.2 115.8
141 31.4 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 66.304 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

Tgt Ion:172 Resp: 2121799
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 22.8 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: BM047442.D

Acq: 04 Sep 2024 17:23

Instrument :

BNA_M

ClientSampleId :

72-11978

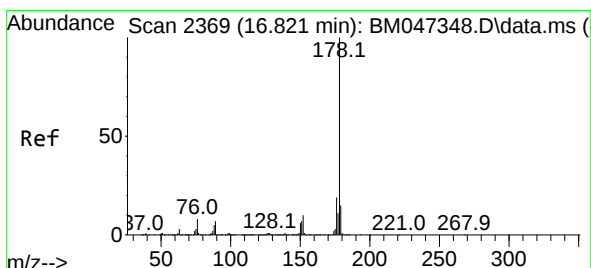
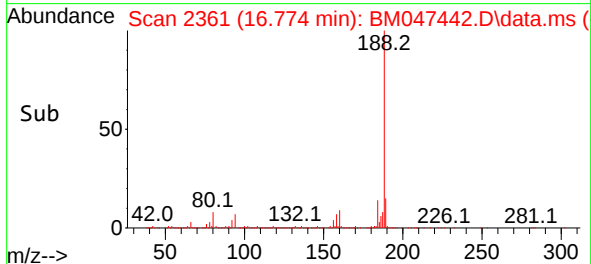
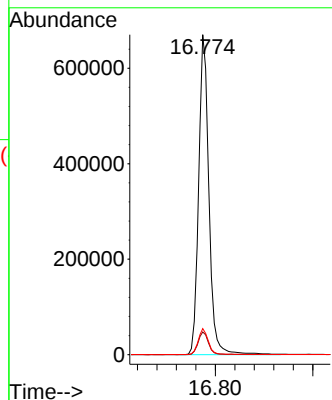
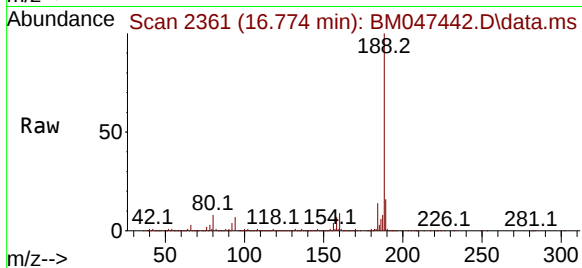
Tgt Ion:188 Resp: 984556

Ion Ratio Lower Upper

188 100

94 7.1 6.4 9.6

80 8.2 7.4 11.2



#71

Phenanthrene

Concen: 2.428 ng

RT: 16.821 min Scan# 2369

Delta R.T. 0.000 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

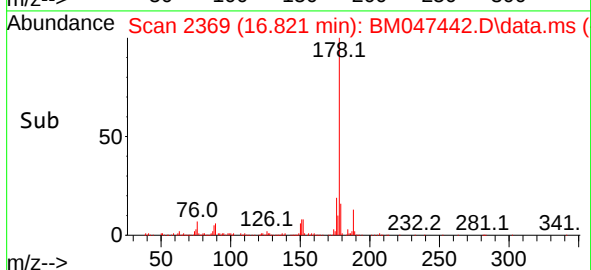
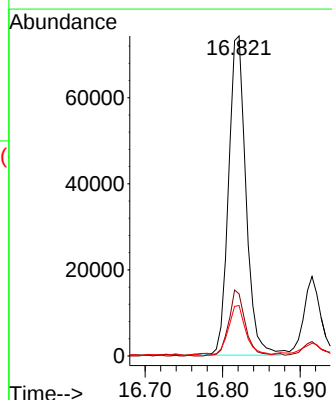
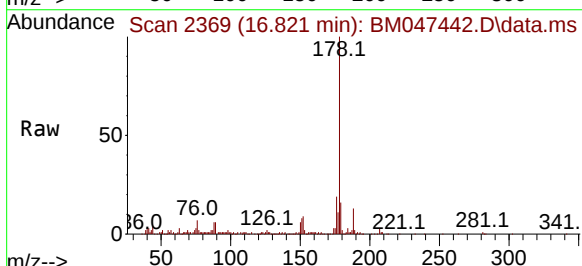
Tgt Ion:178 Resp: 116089

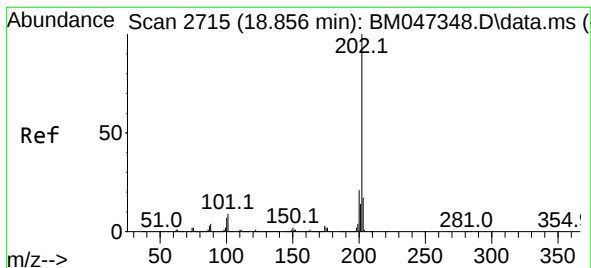
Ion Ratio Lower Upper

178 100

176 19.4 15.2 22.8

179 15.8 12.2 18.4





#75

Fluoranthene

Concen: 5.348 ng

RT: 18.856 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

Instrument :

BNA_M

ClientSampleId :

72-11978

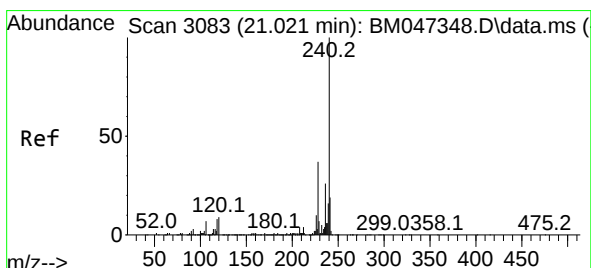
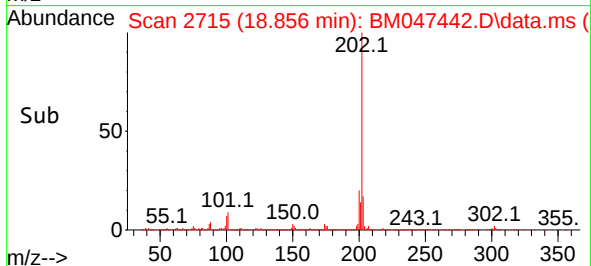
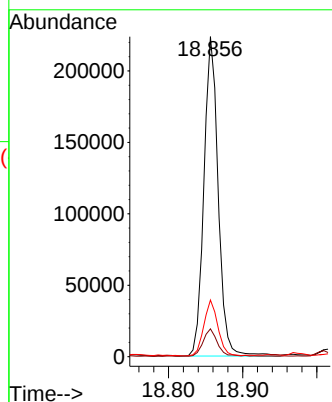
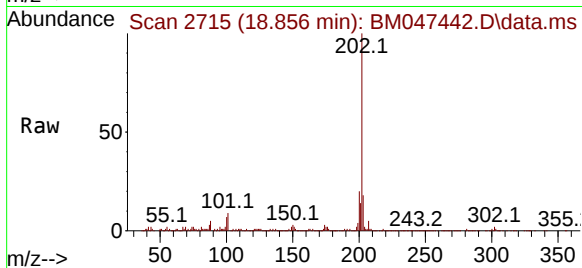
Tgt Ion:202 Resp: 300269

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.0

203 17.7 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: BM047442.D

Acq: 04 Sep 2024 17:23

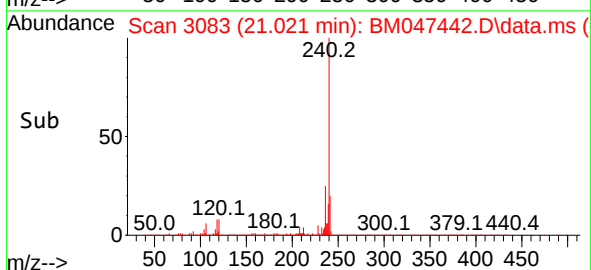
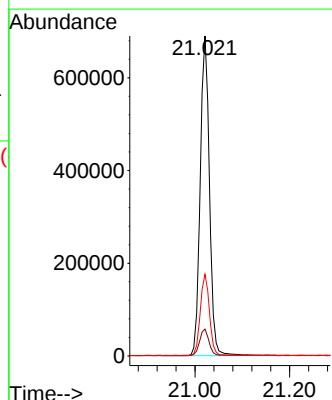
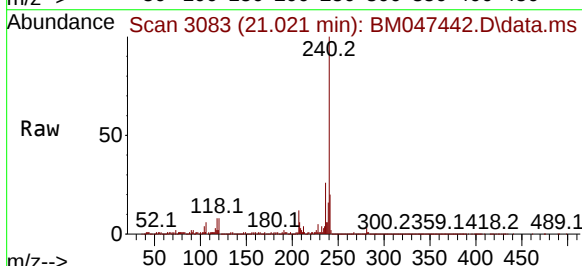
Tgt Ion:240 Resp: 932157

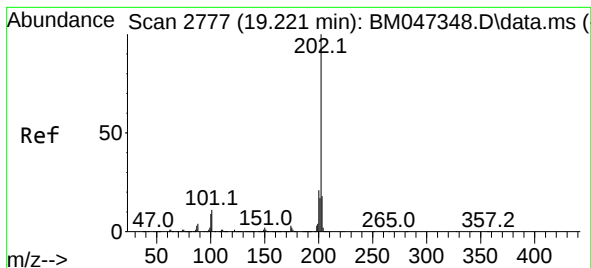
Ion Ratio Lower Upper

240 100

120 8.4 7.4 11.0

236 25.5 20.8 31.2





#78

Pyrene

Concen: 4.433 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

Instrument :

BNA_M

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72-11978

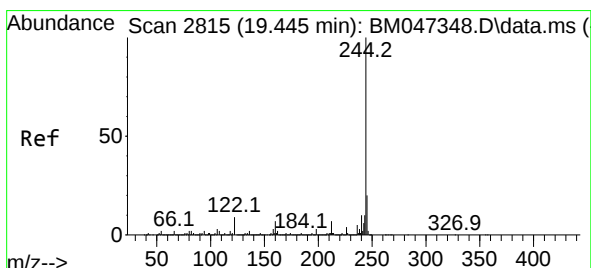
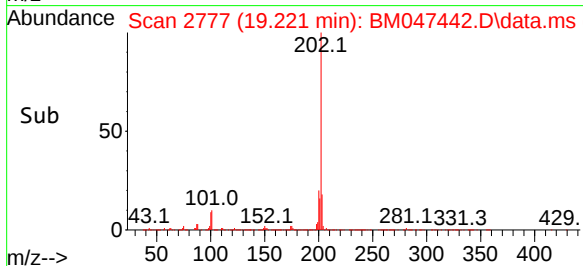
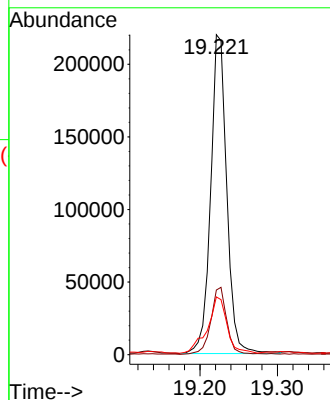
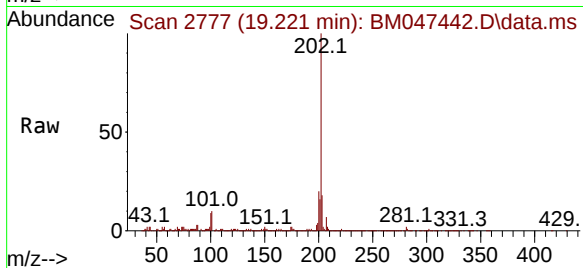
Tgt Ion:202 Resp: 316916

Ion Ratio Lower Upper

202 100

200 20.2 16.7 25.1

203 18.0 14.2 21.4



#79

Terphenyl-d14

Concen: 56.743 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

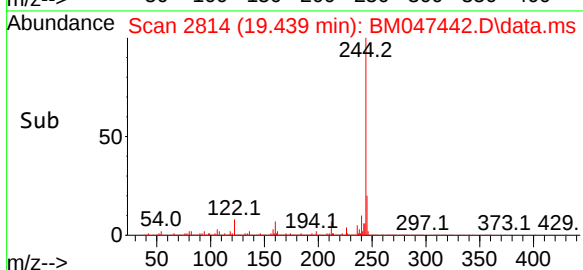
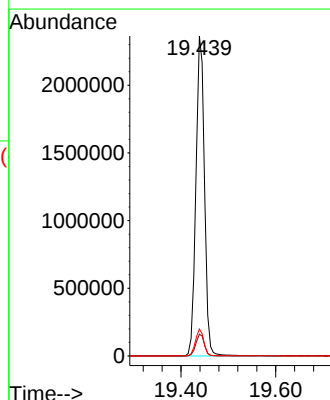
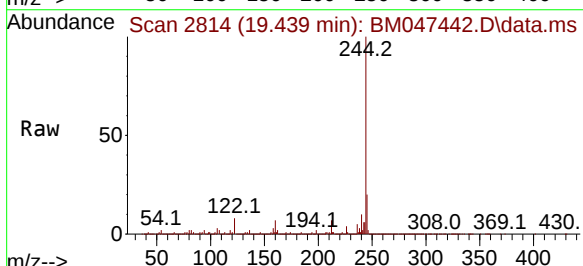
Tgt Ion:244 Resp: 2971595

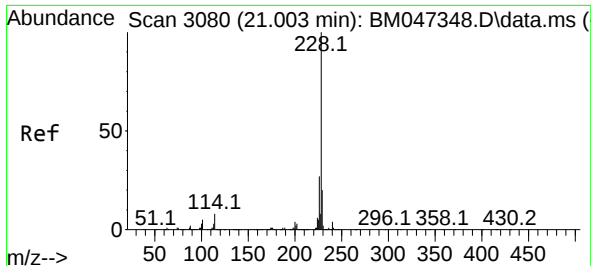
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 8.4 7.0 10.4

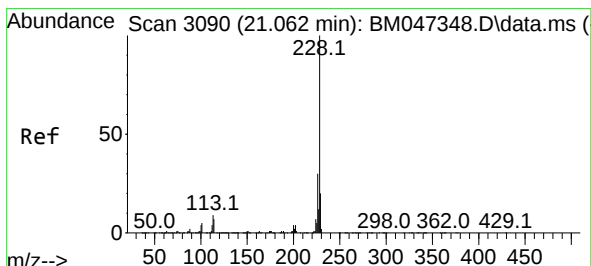
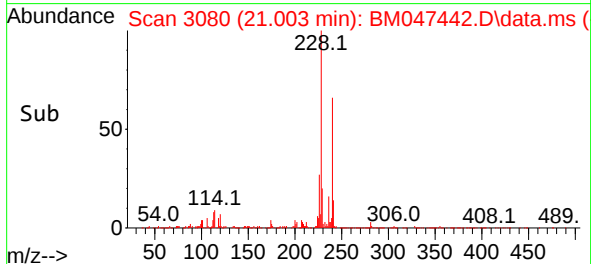
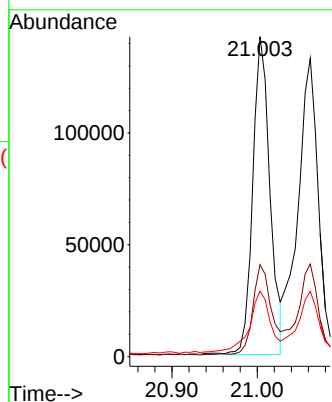
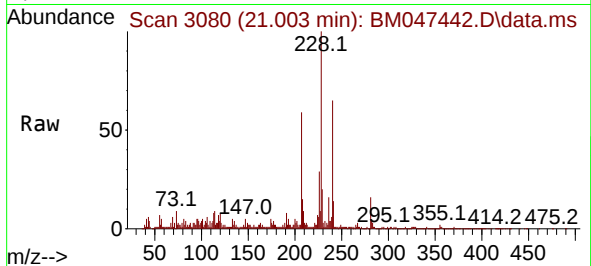




#81
Benzo(a)anthracene
Concen: 3.290 ng
RT: 21.003 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

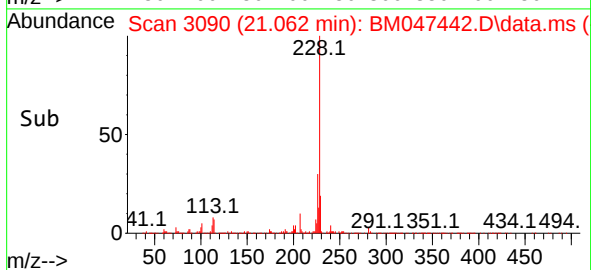
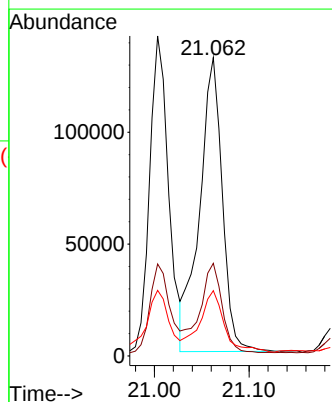
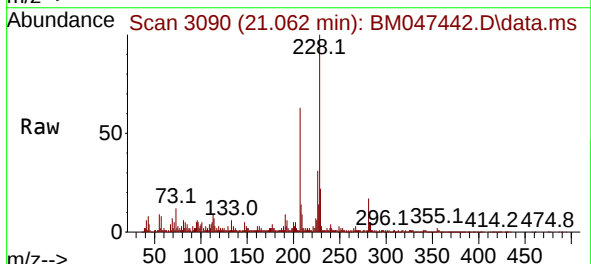
Instrument :
BNA_M
ClientSampleId :
72-11978

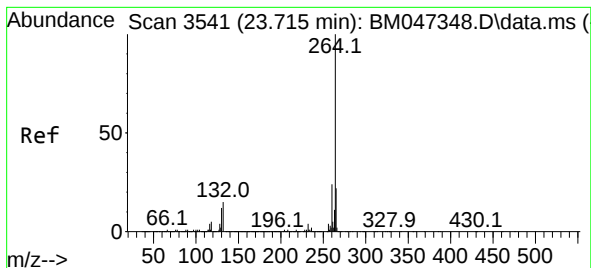
Tgt Ion:228 Resp: 200009
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 20.5 15.8 23.8



#83
Chrysene
Concen: 3.837 ng
RT: 21.062 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

Tgt Ion:228 Resp: 219381
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

Instrument :

BNA_M

ClientSampleId :

72-11978

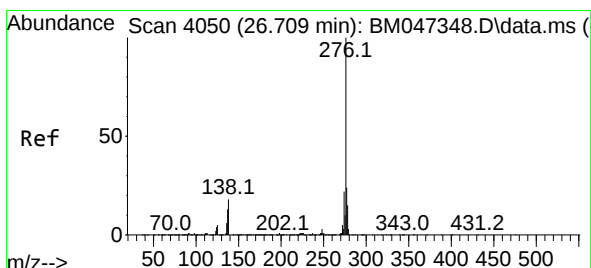
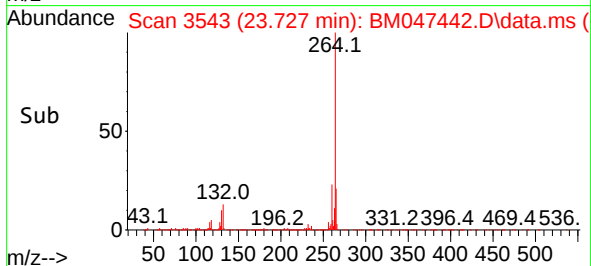
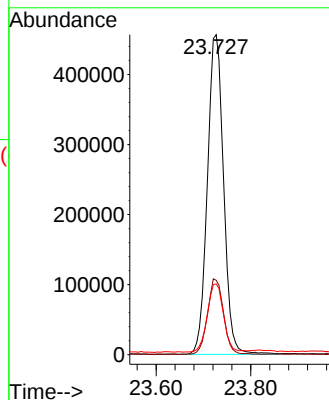
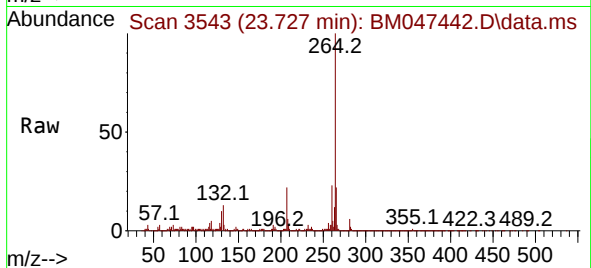
Tgt Ion:264 Resp: 1085911

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 22.2 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.097 ng

RT: 26.750 min Scan# 4057

Delta R.T. 0.041 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

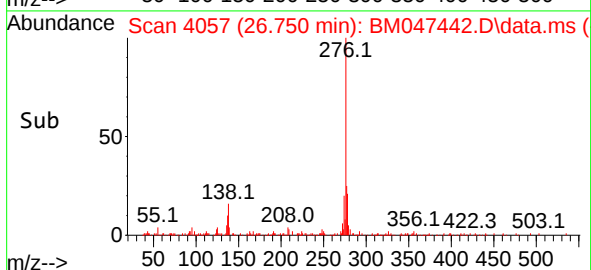
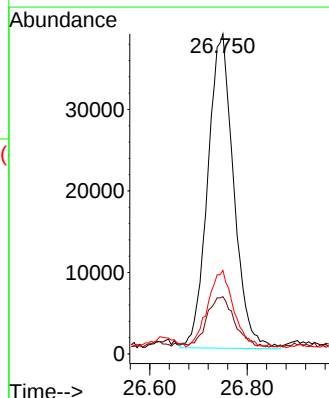
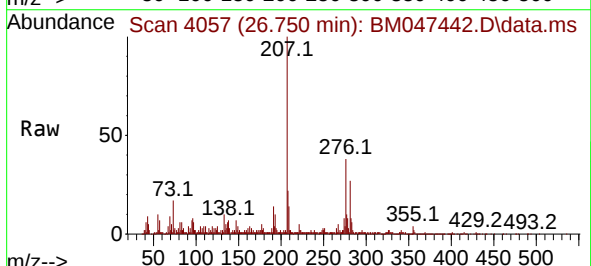
Tgt Ion:276 Resp: 142578

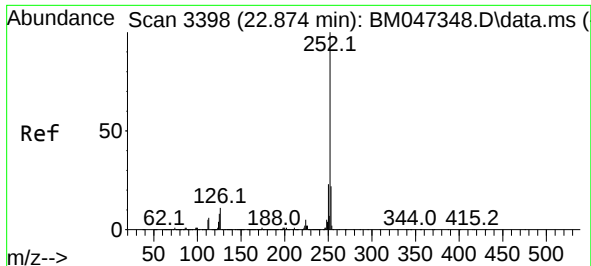
Ion Ratio Lower Upper

276 100

138 16.3 17.7 26.5#

277 24.2 20.0 30.0

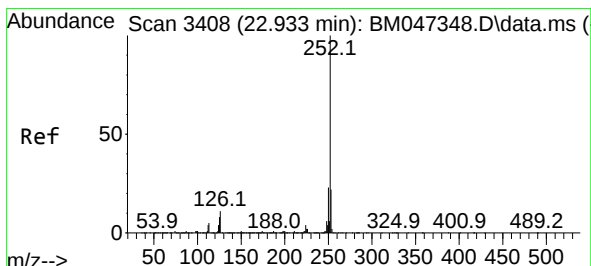
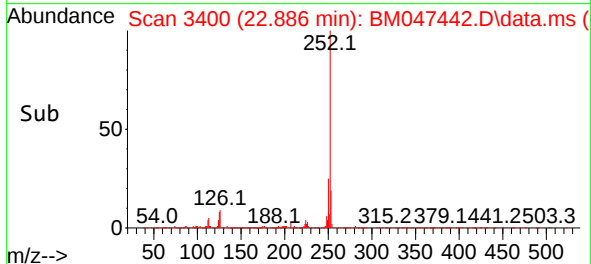
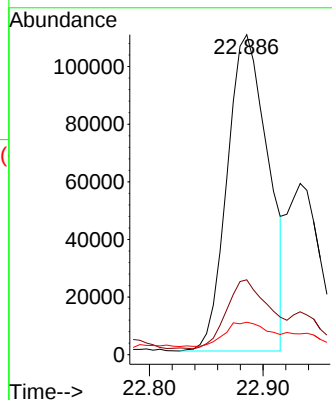
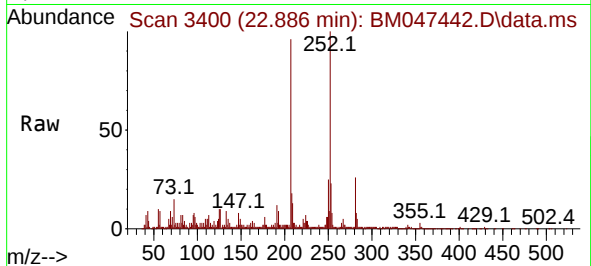




#88
Benzo(b)fluoranthene
Concen: 4.343 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.012 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

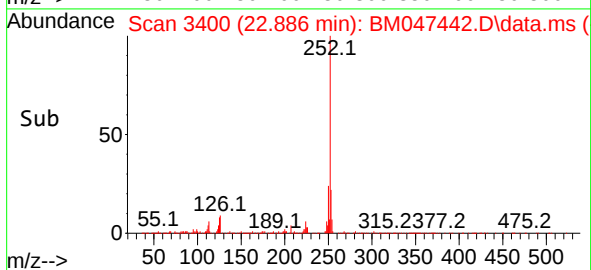
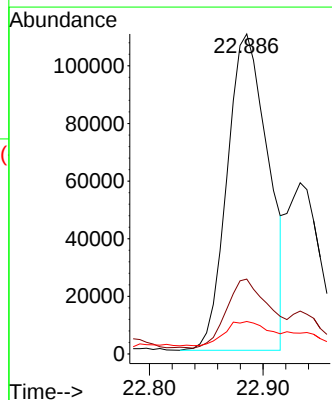
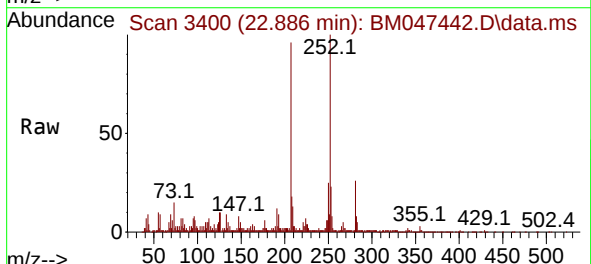
Instrument :
BNA_M
ClientSampleId :
72-11978

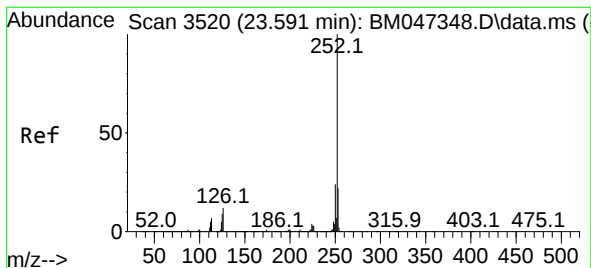
Tgt Ion:252 Resp: 275153
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.1 6.6 10.0#



#89
Benzo(k)fluoranthene
Concen: 4.581 ng
RT: 22.886 min Scan# 3400
Delta R.T. -0.047 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

Tgt Ion:252 Resp: 275153
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.1 6.6 9.8#





#90

Benzo(a)pyrene

Concen: 3.463 ng

RT: 23.597 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

Instrument :

BNA_M

ClientSampleId :

72-11978

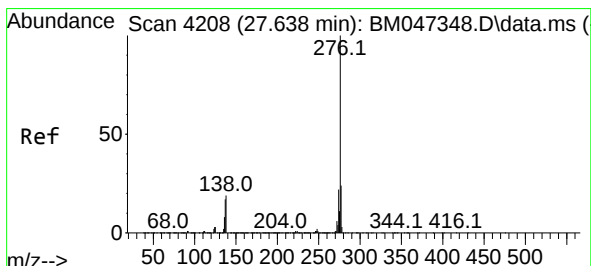
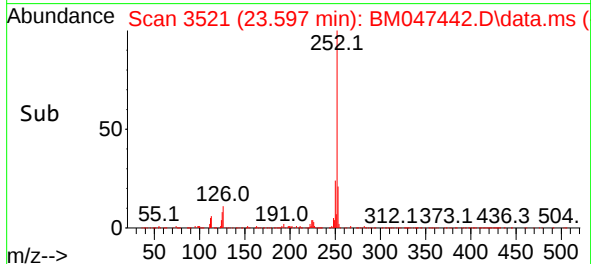
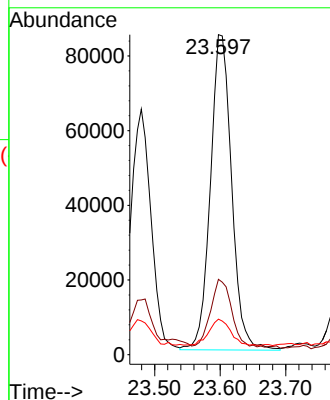
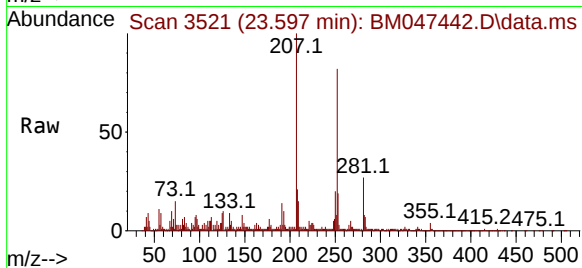
Tgt Ion:252 Resp: 189724

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 11.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 2.401 ng

RT: 27.685 min Scan# 4216

Delta R.T. 0.047 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

Tgt Ion:276 Resp: 137447

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 18.9 15.0 22.6

