

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082724\
 Data File : BM047367.D
 Acq On : 27 Aug 2024 17:18
 Operator : RC/JU
 Sample : P3737-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-1

Quant Time: Aug 28 02:30:19 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)

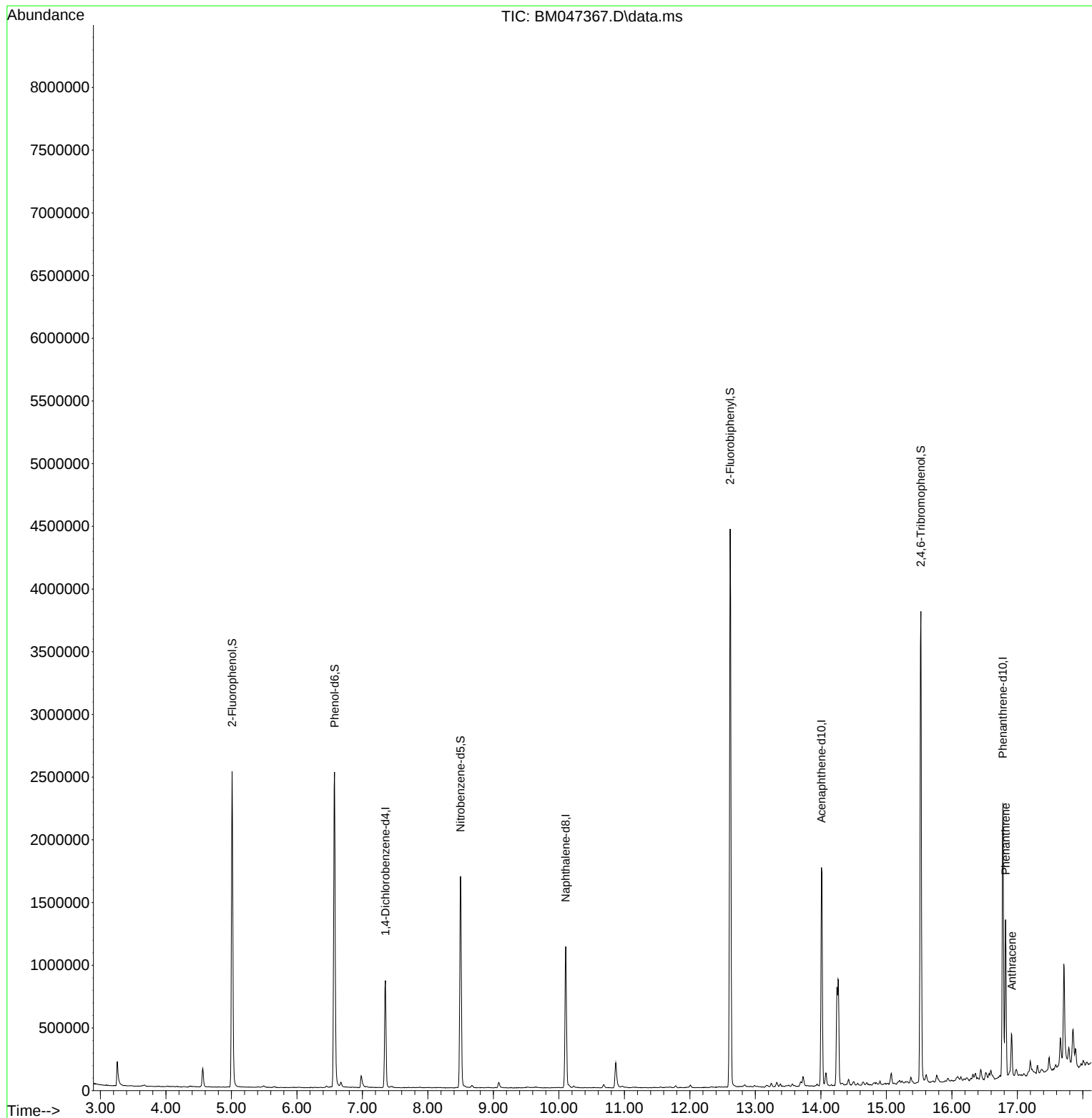
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.351	152	239329	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	926966	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	635318	20.000	ng	0.00
64) Phenanthrene-d10	16.780	188	1312038	20.000	ng	0.00
76) Chrysene-d12	21.021	240	870133	20.000	ng	0.00
86) Perylene-d12	23.721	264	993350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1164295	93.335	ng	0.00
7) Phenol-d6	6.575	99	1571728	92.490	ng	0.00
23) Nitrobenzene-d5	8.498	82	1017587	60.910	ng	0.00
42) 2,4,6-Tribromophenol	15.527	330	722765	94.294	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	2441832	59.055	ng	0.00
79) Terphenyl-d14	19.450	244	3311866	67.748	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.528	77	866	Below Cal	#	58
71) Phenanthrene	16.821	178	732578	11.497	ng	100
72) Anthracene	16.915	178	204185	3.287	ng	99
75) Fluoranthene	18.856	202	1290403	17.247	ng	99
78) Pyrene	19.227	202	1161051	17.398	ng	100
81) Benzo(a)anthracene	21.009	228	616576	10.866	ng	95
83) Chrysene	21.062	228	531166	9.951	ng	98
87) Indeno(1,2,3-cd)pyrene	26.726	276	364194	5.857	ng	98
88) Benzo(b)fluoranthene	22.880	252	713044	12.304	ng	# 96
89) Benzo(k)fluoranthene	22.880	252	713044	12.979	ng	# 95
90) Benzo(a)pyrene	23.597	252	507659	10.129	ng	97
92) Benzo(g,h,i)perylene	27.656	276	339529	6.483	ng	97

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

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COMP-1

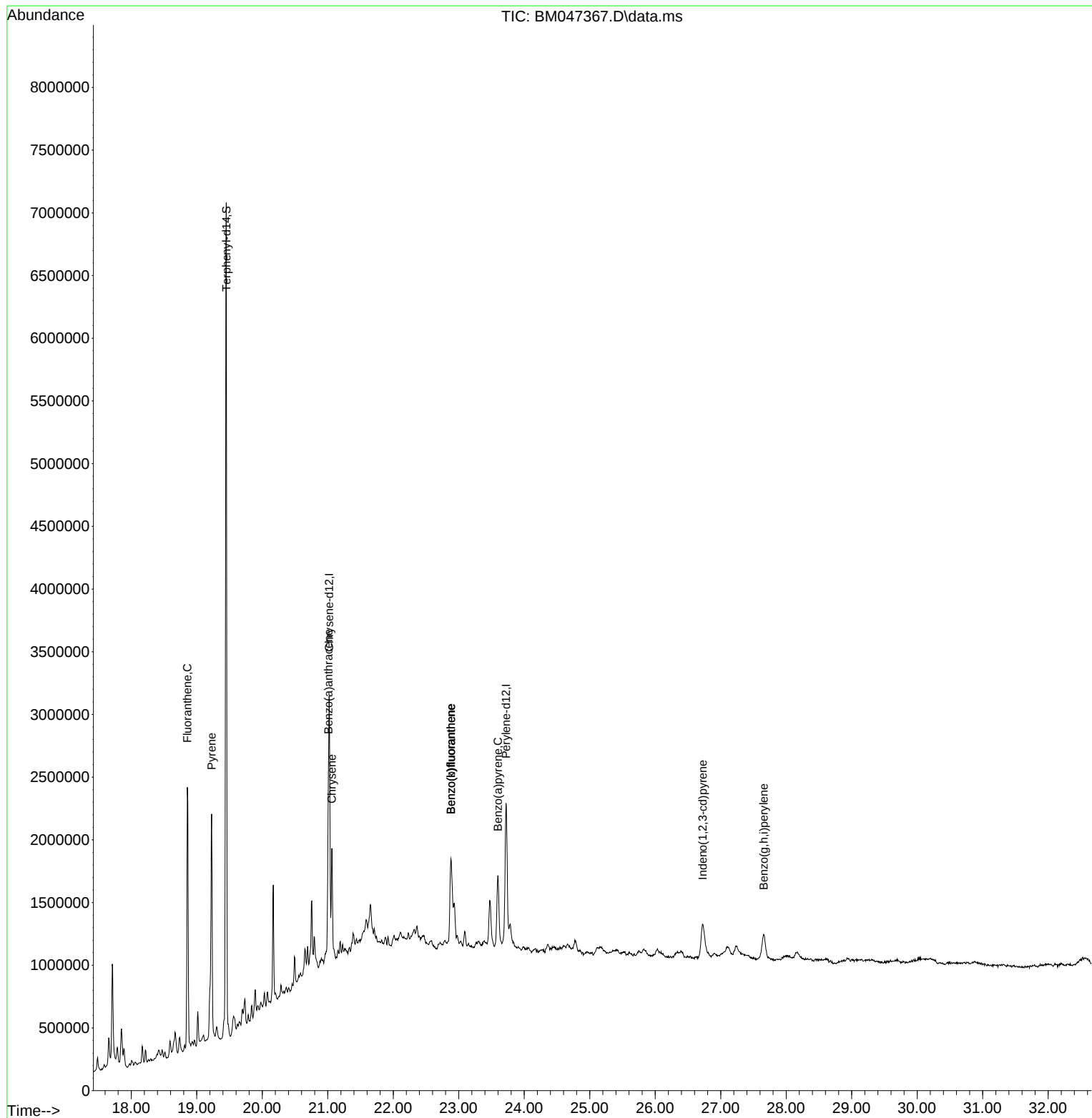
Quant Time: Aug 28 02:30:19 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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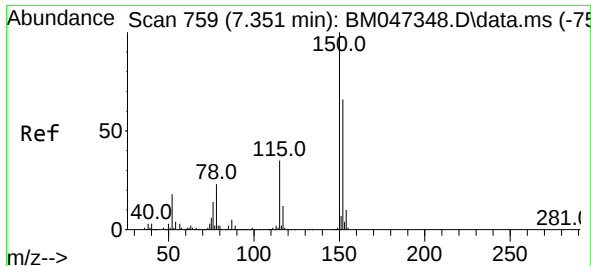


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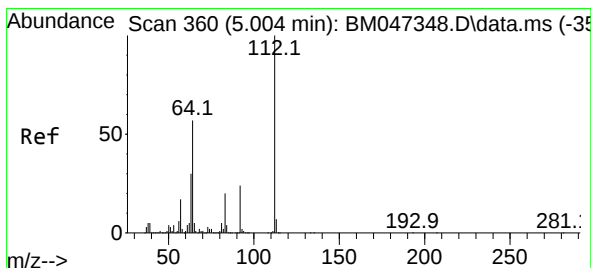
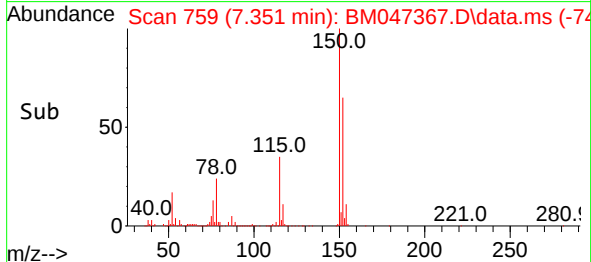
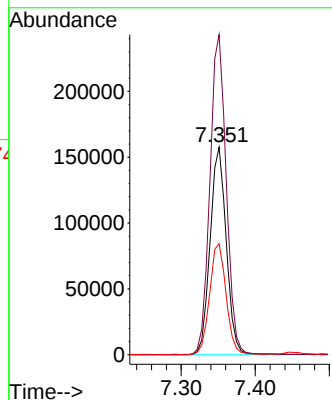
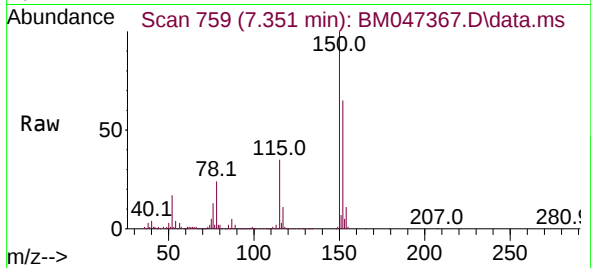




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.351 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

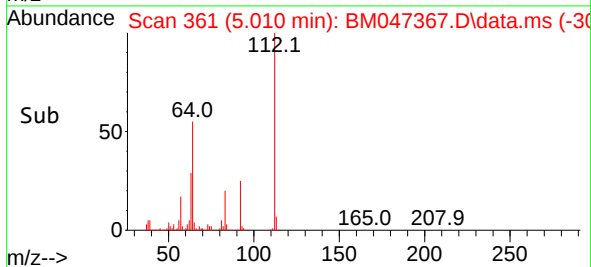
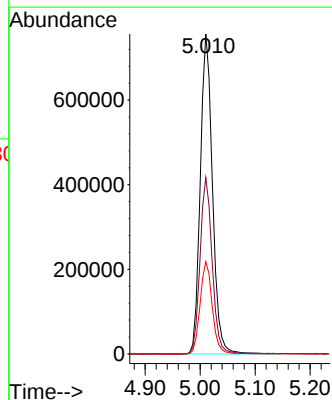
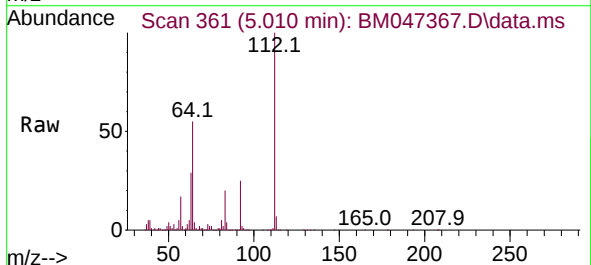
Instrument :
BNA_M
ClientSampleId :
COMP-1

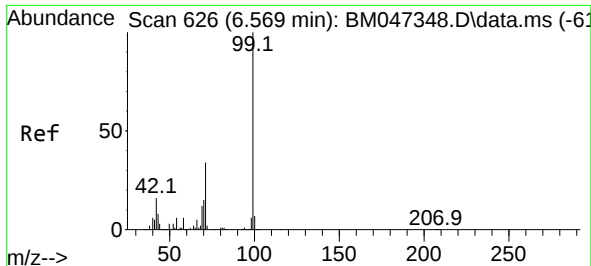
Tgt Ion:152 Resp: 239329
Ion Ratio Lower Upper
152 100
150 154.2 121.3 181.9
115 53.5 42.6 64.0



#5
2-Fluorophenol
Concen: 93.335 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

Tgt Ion:112 Resp: 1164295
Ion Ratio Lower Upper
112 100
64 55.1 45.7 68.5
63 28.9 23.8 35.8

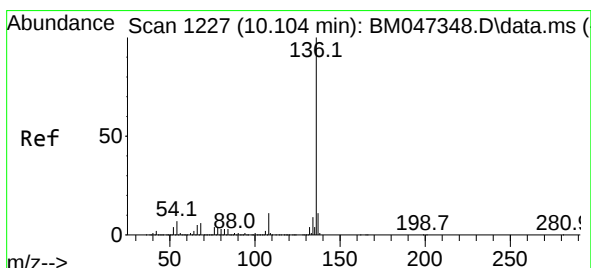
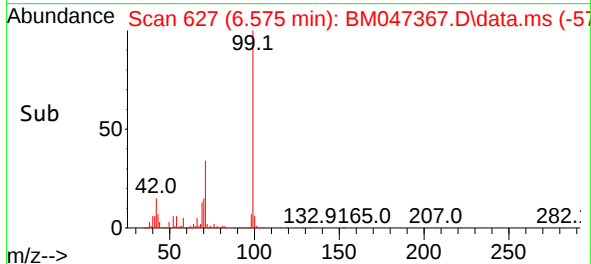
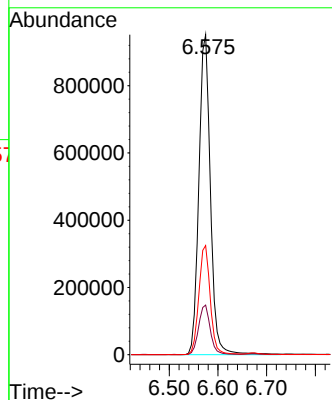
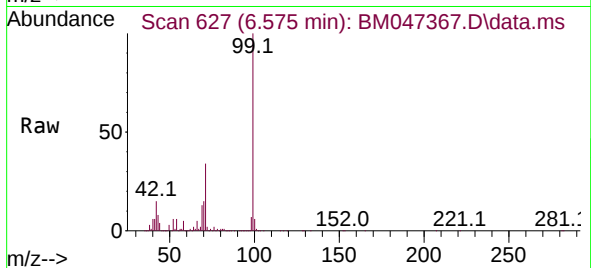




#7
Phenol-d6
Concen: 92.490 ng
RT: 6.575 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

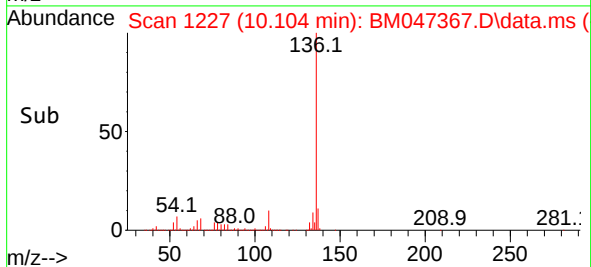
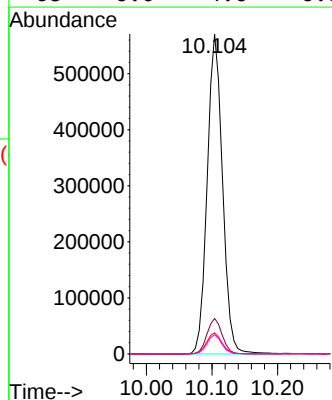
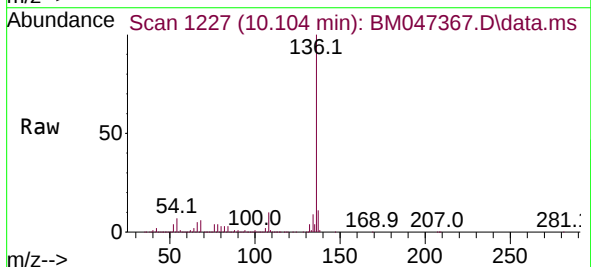
Instrument :
BNA_M
ClientSampleId :
COMP-1

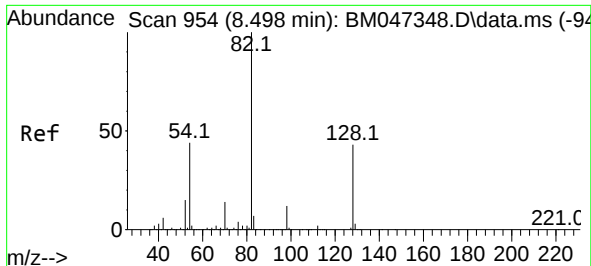
Tgt Ion: 99 Resp: 1571728
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 34.1 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.104 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

Tgt Ion: 136 Resp: 926966
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.2 7.8
68 6.0 4.6 6.8

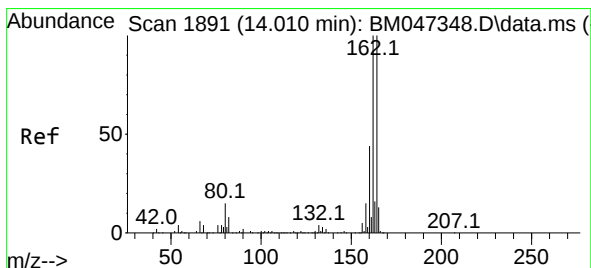
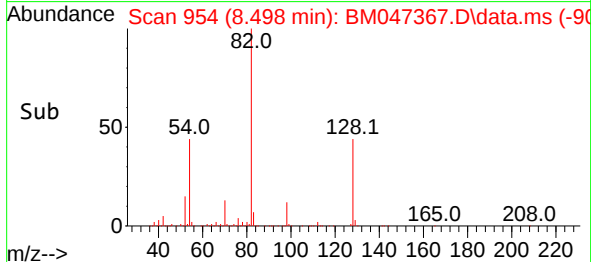
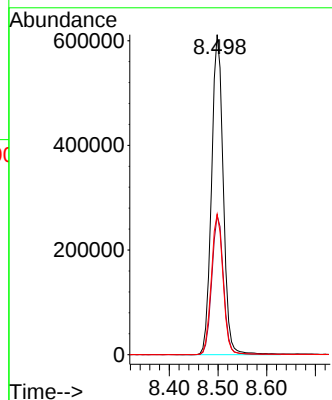
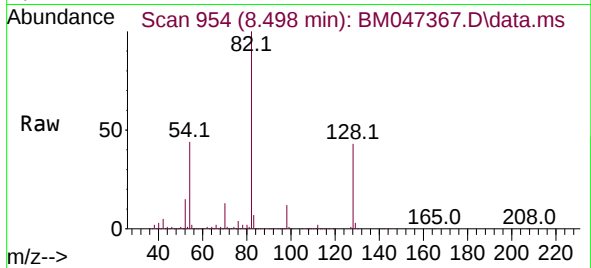




#23
Nitrobenzene-d5
Concen: 60.910 ng
RT: 8.498 min Scan# 91
Delta R.T. -0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

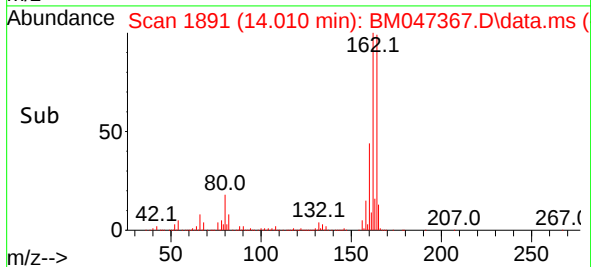
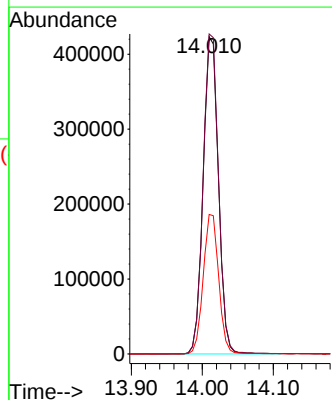
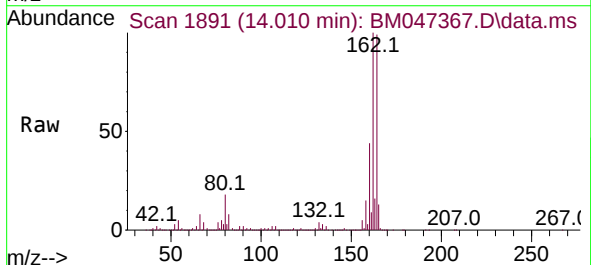
Instrument :
BNA_M
ClientSampleId :
COMP-1

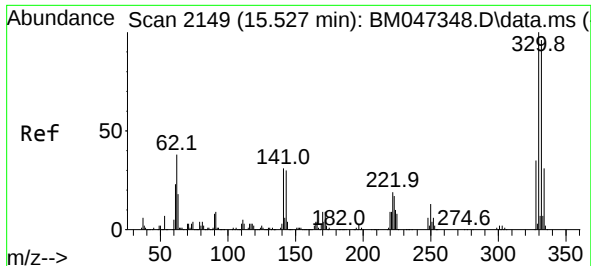
Tgt Ion: 82 Resp: 1017587
Ion Ratio Lower Upper
82 100
128 43.5 34.6 51.8
54 43.9 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

Tgt Ion:164 Resp: 635318
Ion Ratio Lower Upper
164 100
162 100.8 79.7 119.5
160 44.0 34.9 52.3

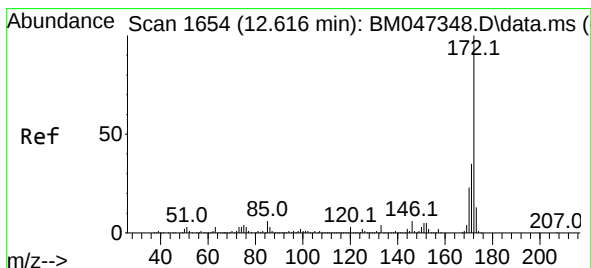
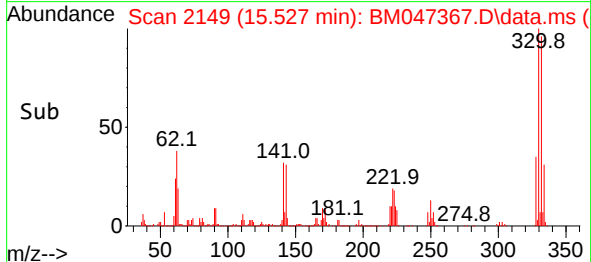
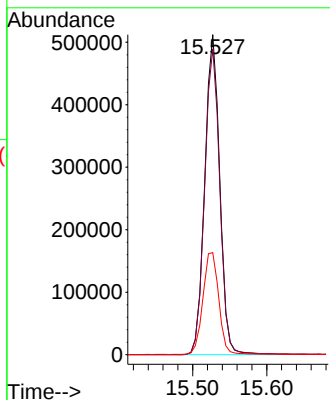
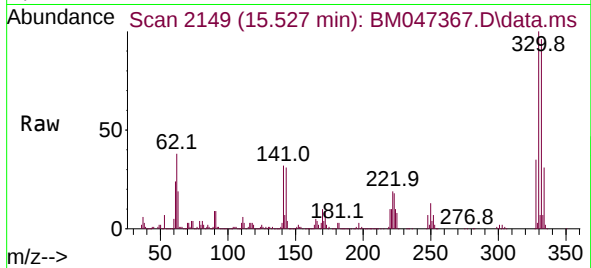




#42
2,4,6-Tribromophenol
Concen: 94.294 ng
RT: 15.527 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

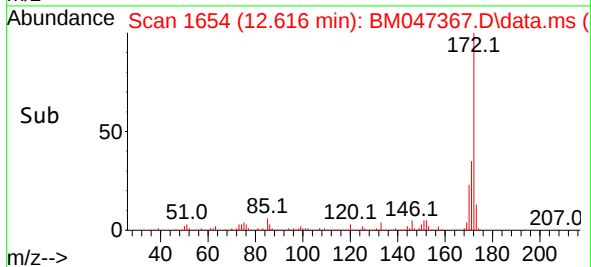
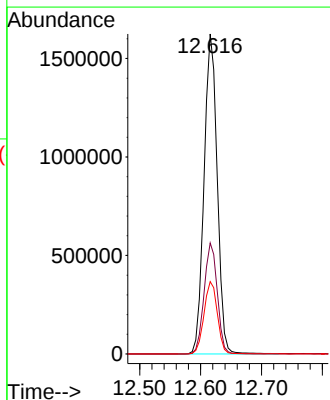
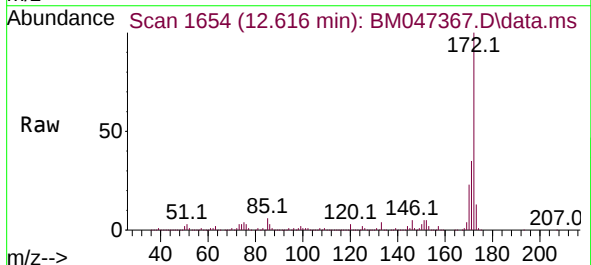
Instrument :
BNA_M
ClientSampleId :
COMP-1

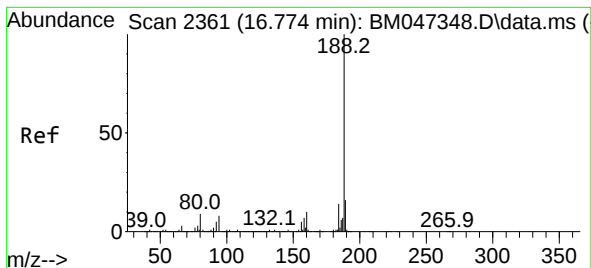
Tgt Ion:330 Resp: 722765
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 33.7 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 59.055 ng
RT: 12.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

Tgt Ion:172 Resp: 2441832
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 22.6 18.5 27.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.780 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

Instrument :

BNA_M

ClientSampleId :

COMP-1

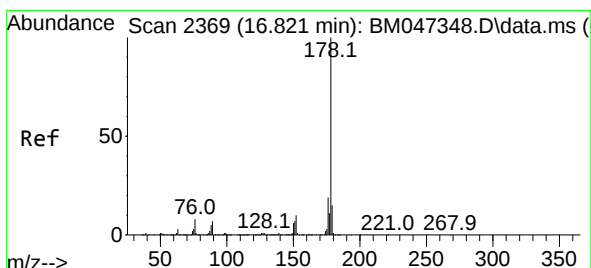
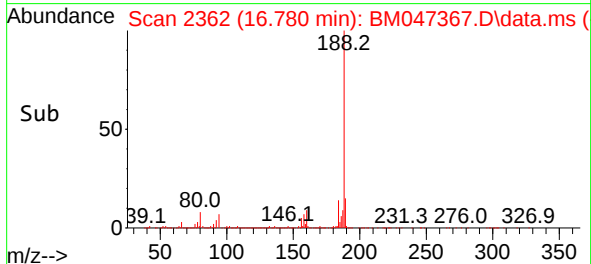
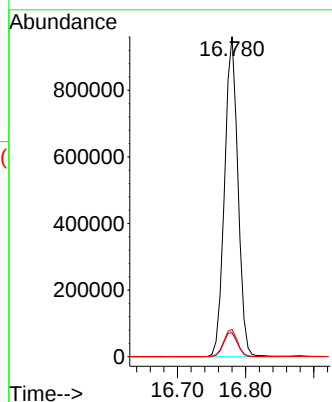
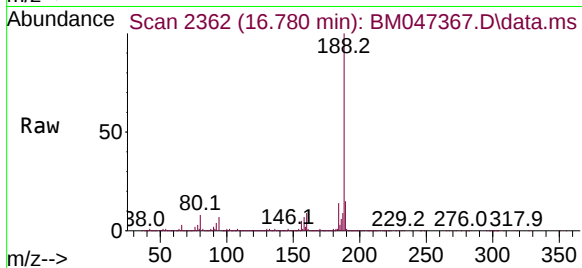
Tgt Ion:188 Resp: 1312038

Ion Ratio Lower Upper

188 100

94 7.5 6.4 9.6

80 8.5 7.4 11.2



#71

Phenanthrene

Concen: 11.497 ng

RT: 16.821 min Scan# 2369

Delta R.T. -0.000 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

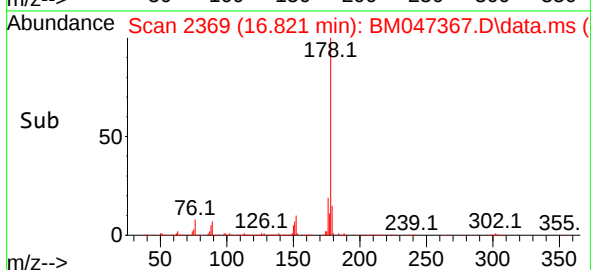
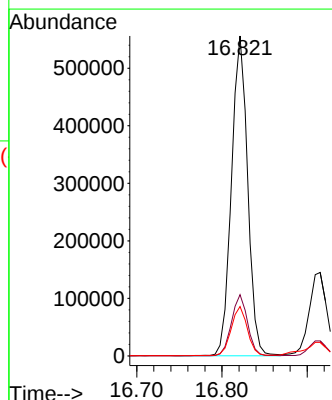
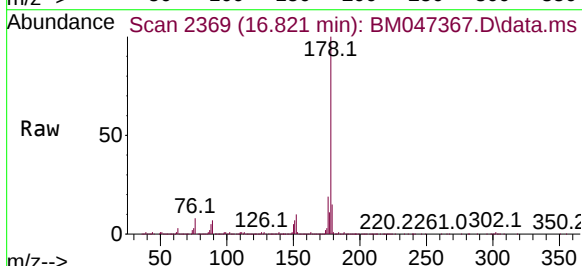
Tgt Ion:178 Resp: 732578

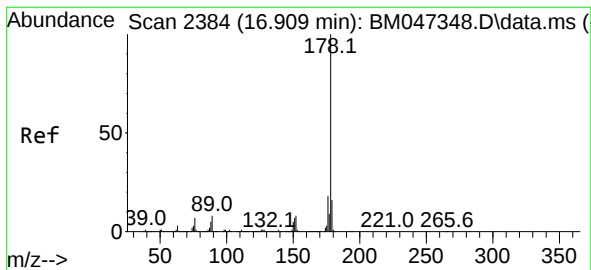
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.5 12.2 18.4





#72

Anthracene

Concen: 3.287 ng

RT: 16.915 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

Instrument :

BNA_M

ClientSampleId :

COMP-1

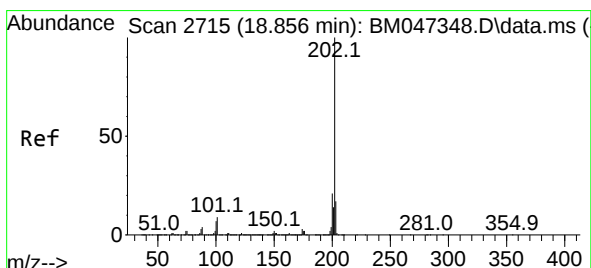
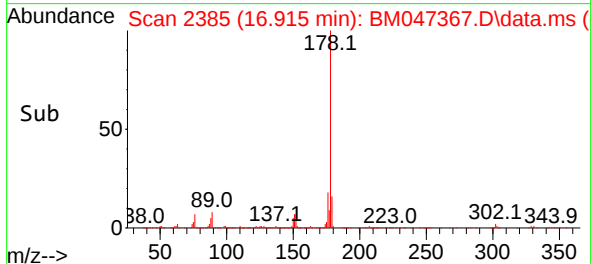
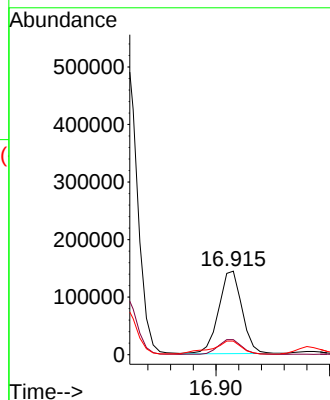
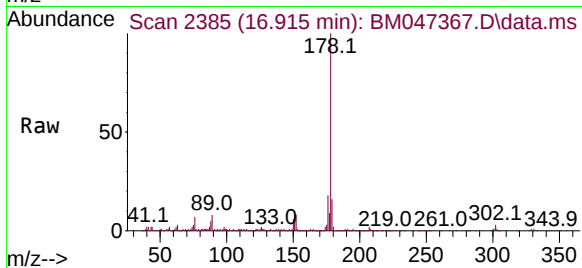
Tgt Ion:178 Resp: 204185

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 16.3 12.6 18.8



#75

Fluoranthene

Concen: 17.247 ng

RT: 18.856 min Scan# 2715

Delta R.T. -0.000 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

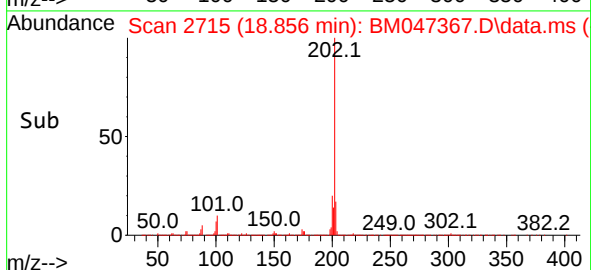
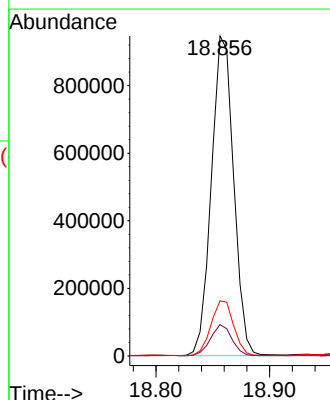
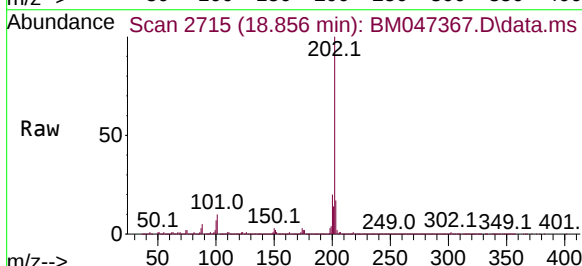
Tgt Ion:202 Resp: 1290403

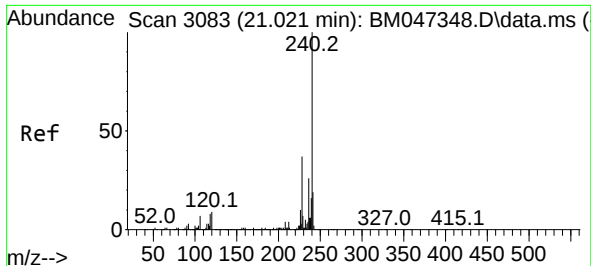
Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.0

203 17.2 0.0 37.5

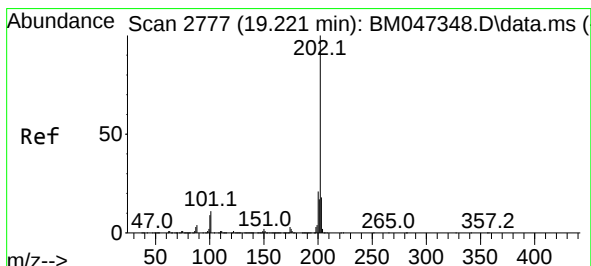
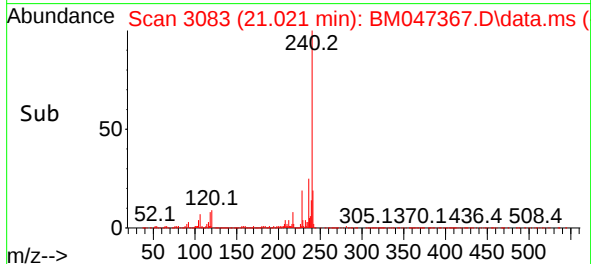
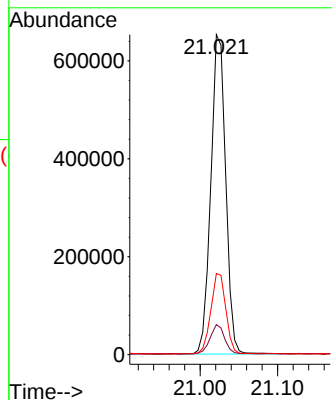
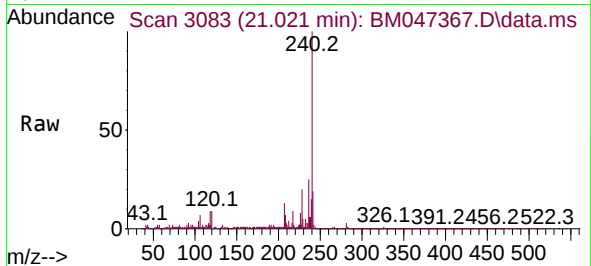




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

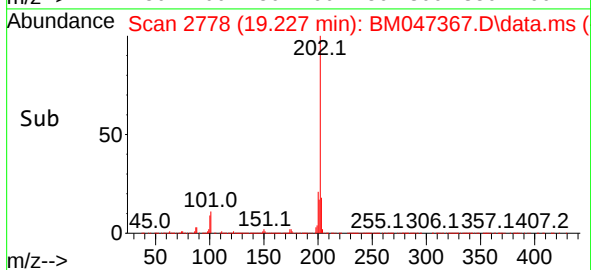
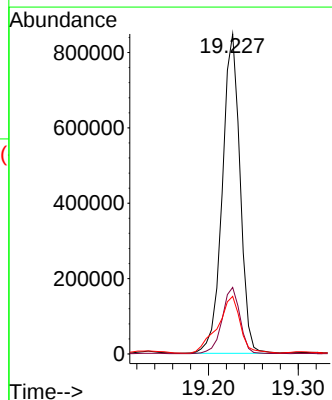
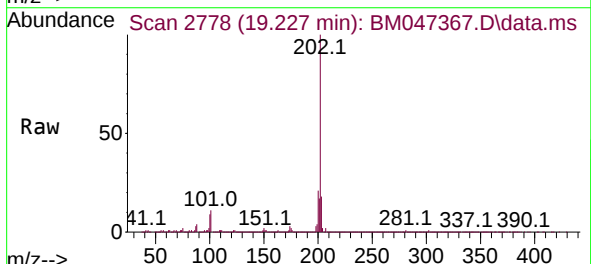
Instrument :
BNA_M
ClientSampleId :
COMP-1

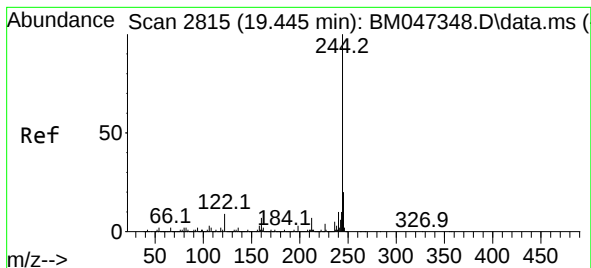
Tgt Ion:240 Resp: 870133
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 25.4 20.8 31.2



#78
Pyrene
Concen: 17.398 ng
RT: 19.227 min Scan# 2778
Delta R.T. 0.006 min
Lab File: BM047367.D
Acq: 27 Aug 2024 17:18

Tgt Ion:202 Resp: 1161051
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 67.748 ng

RT: 19.450 min Scan# 2

Delta R.T. 0.006 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

Instrument :

BNA_M

ClientSampleId :

COMP-1

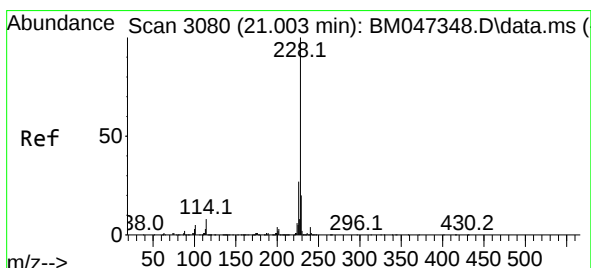
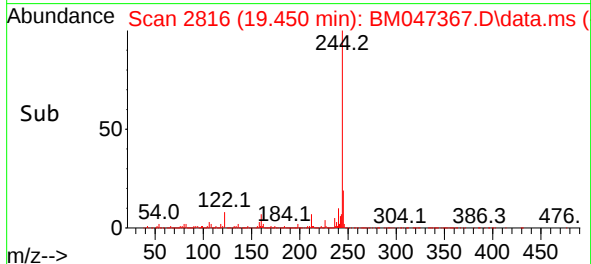
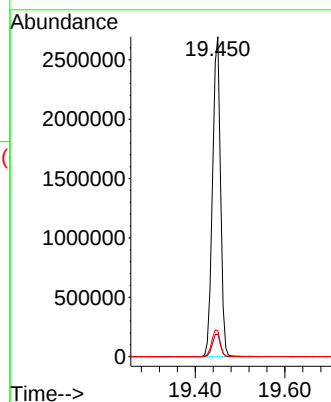
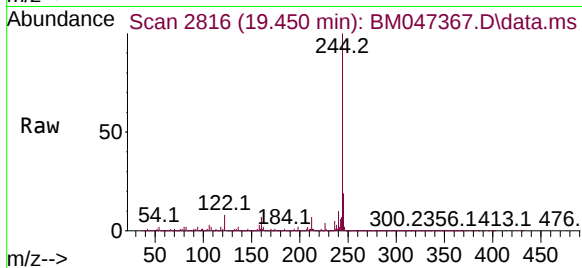
Tgt Ion:244 Resp: 3311866

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.2 7.0 10.4



#81

Benzo(a)anthracene

Concen: 10.866 ng

RT: 21.009 min Scan# 3081

Delta R.T. 0.006 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

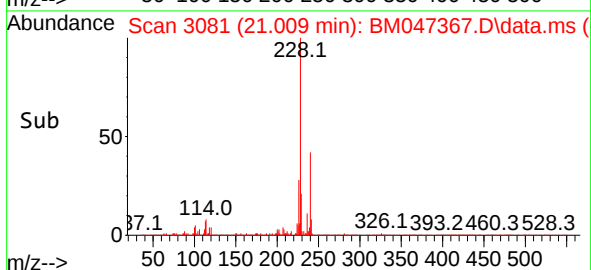
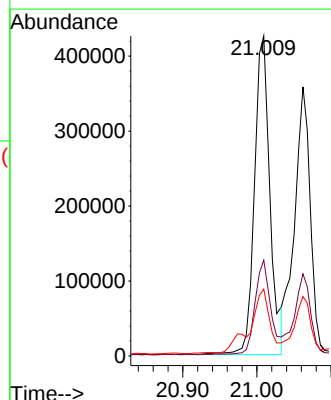
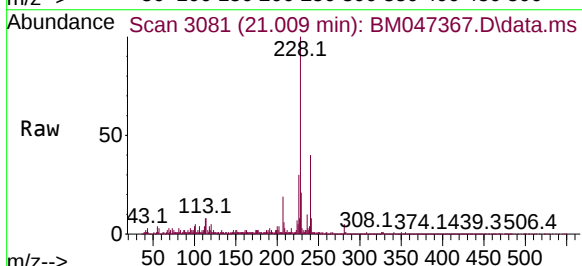
Tgt Ion:228 Resp: 616576

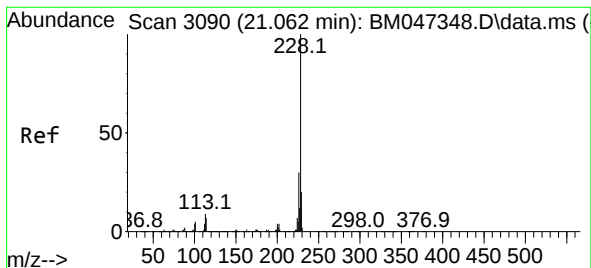
Ion Ratio Lower Upper

228 100

226 30.0 21.4 32.0

229 20.9 15.8 23.8





#83

Chrysene

Concen: 9.951 ng

RT: 21.062 min Scan# 3090

Delta R.T. -0.000 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

Instrument :

BNA_M

ClientSampleId :

COMP-1

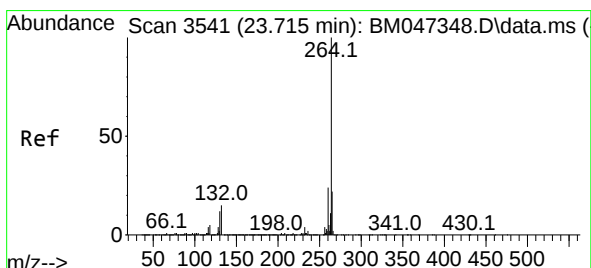
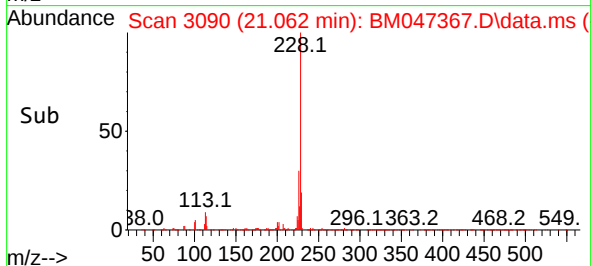
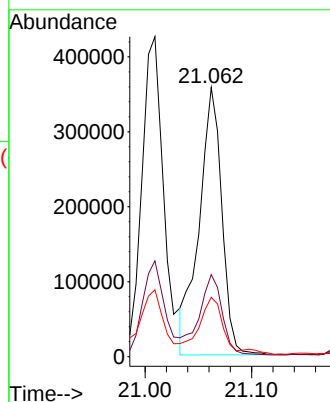
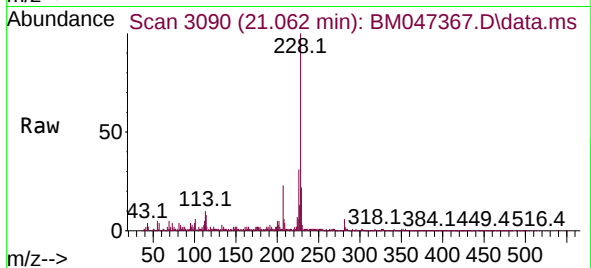
Tgt Ion:228 Resp: 531166

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

229 22.1 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: BM047367.D

Acq: 27 Aug 2024 17:18

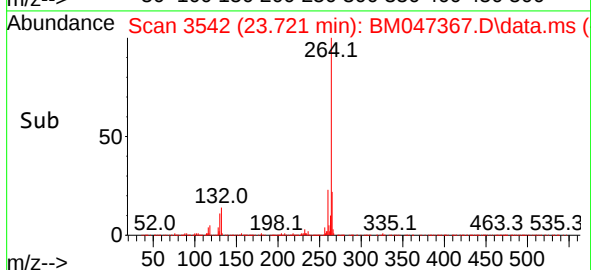
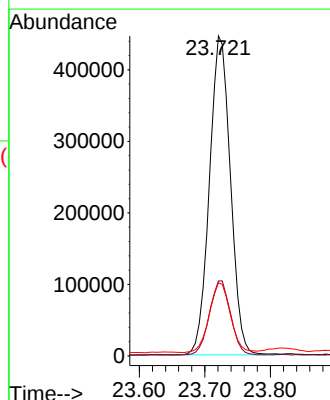
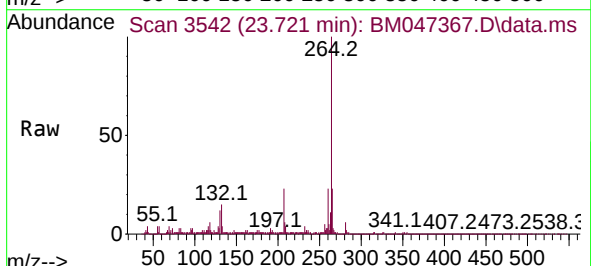
Tgt Ion:264 Resp: 993350

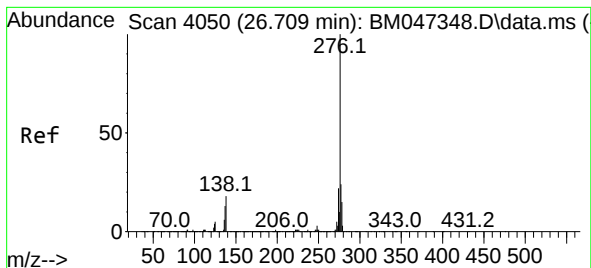
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 22.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.857 ng

RT: 26.726 min Scan# 4053

Delta R.T. 0.018 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

Instrument :

BNA_M

ClientSampleId :

COMP-1

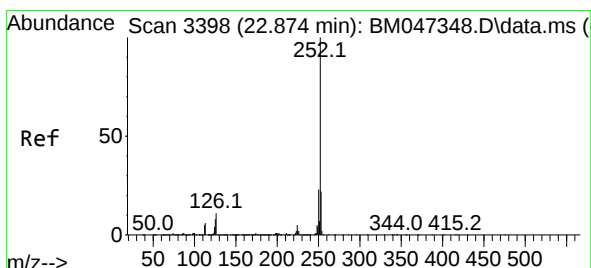
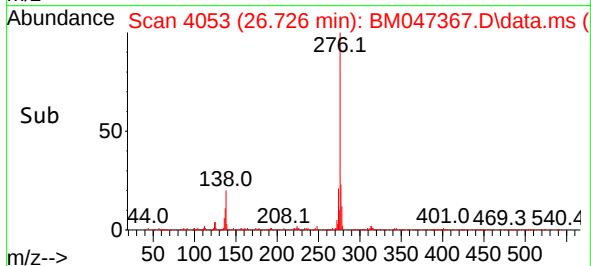
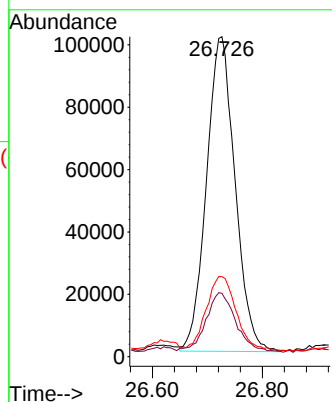
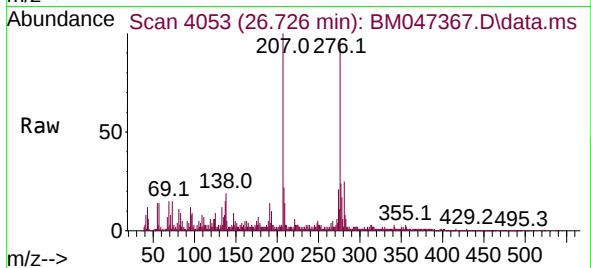
Tgt Ion:276 Resp: 364194

Ion Ratio Lower Upper

276 100

138 20.0 17.7 26.5

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 12.304 ng

RT: 22.880 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

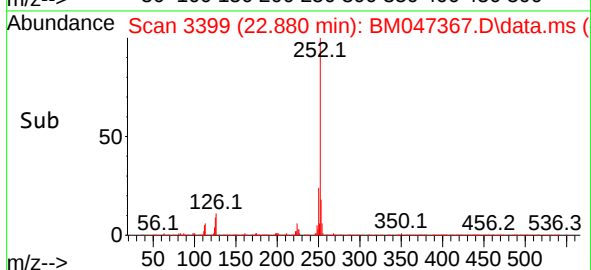
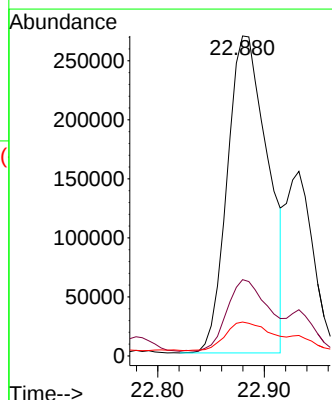
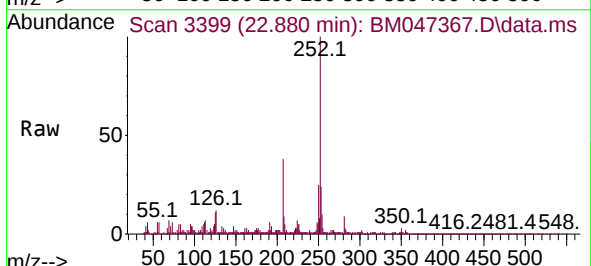
Tgt Ion:252 Resp: 713044

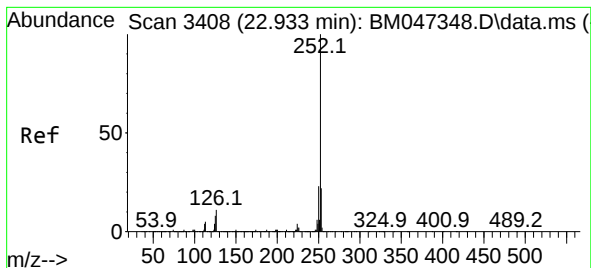
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 10.6 6.6 10.0#





#89

Benzo(k)fluoranthene

Concen: 12.979 ng

RT: 22.880 min Scan# 31

Delta R.T. -0.053 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

Instrument :

BNA_M

ClientSampleId :

COMP-1

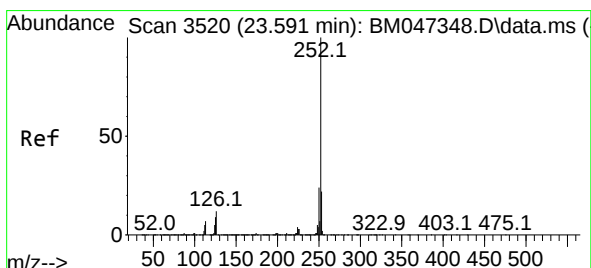
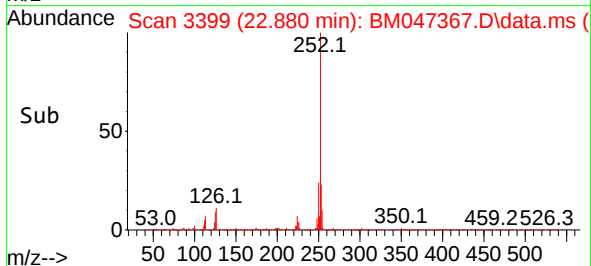
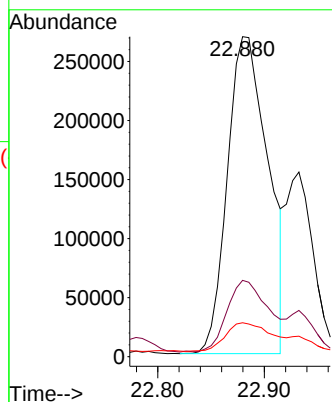
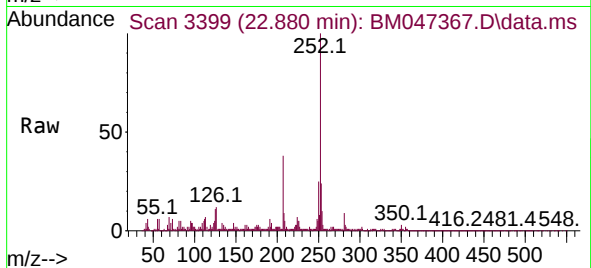
Tgt Ion:252 Resp: 713044

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 10.6 6.6 9.8#



#90

Benzo(a)pyrene

Concen: 10.129 ng

RT: 23.597 min Scan# 3521

Delta R.T. 0.006 min

Lab File: BM047367.D

Acq: 27 Aug 2024 17:18

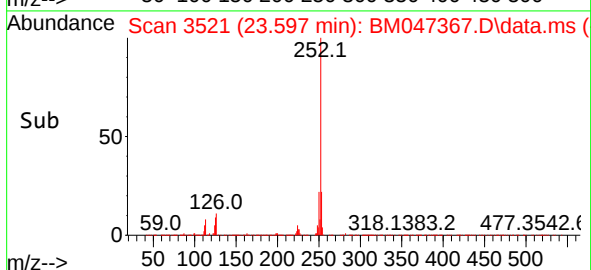
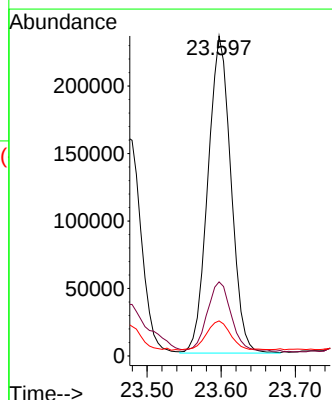
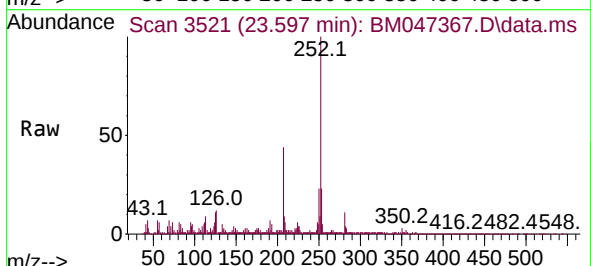
Tgt Ion:252 Resp: 507659

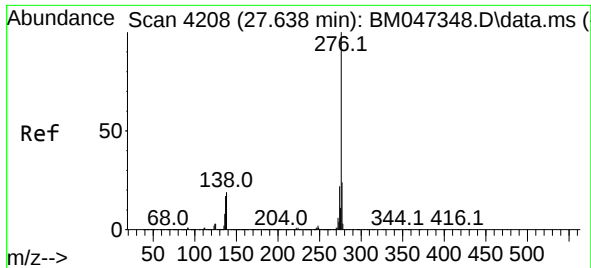
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

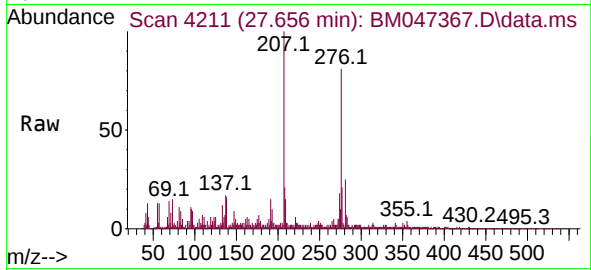
125 10.9 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.483 ng
 RT: 27.656 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BM047367.D
 Acq: 27 Aug 2024 17:18

Instrument :
 BNA_M
 ClientSampleId :
 COMP-1



Tgt Ion:	276	Resp:	339529
Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.0
138	19.5	15.0	22.6

