

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/05/2024
 Supervised By :mohammad ahmed 09/06/2024

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
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	22.933	252	122291m	2.036	ng	
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

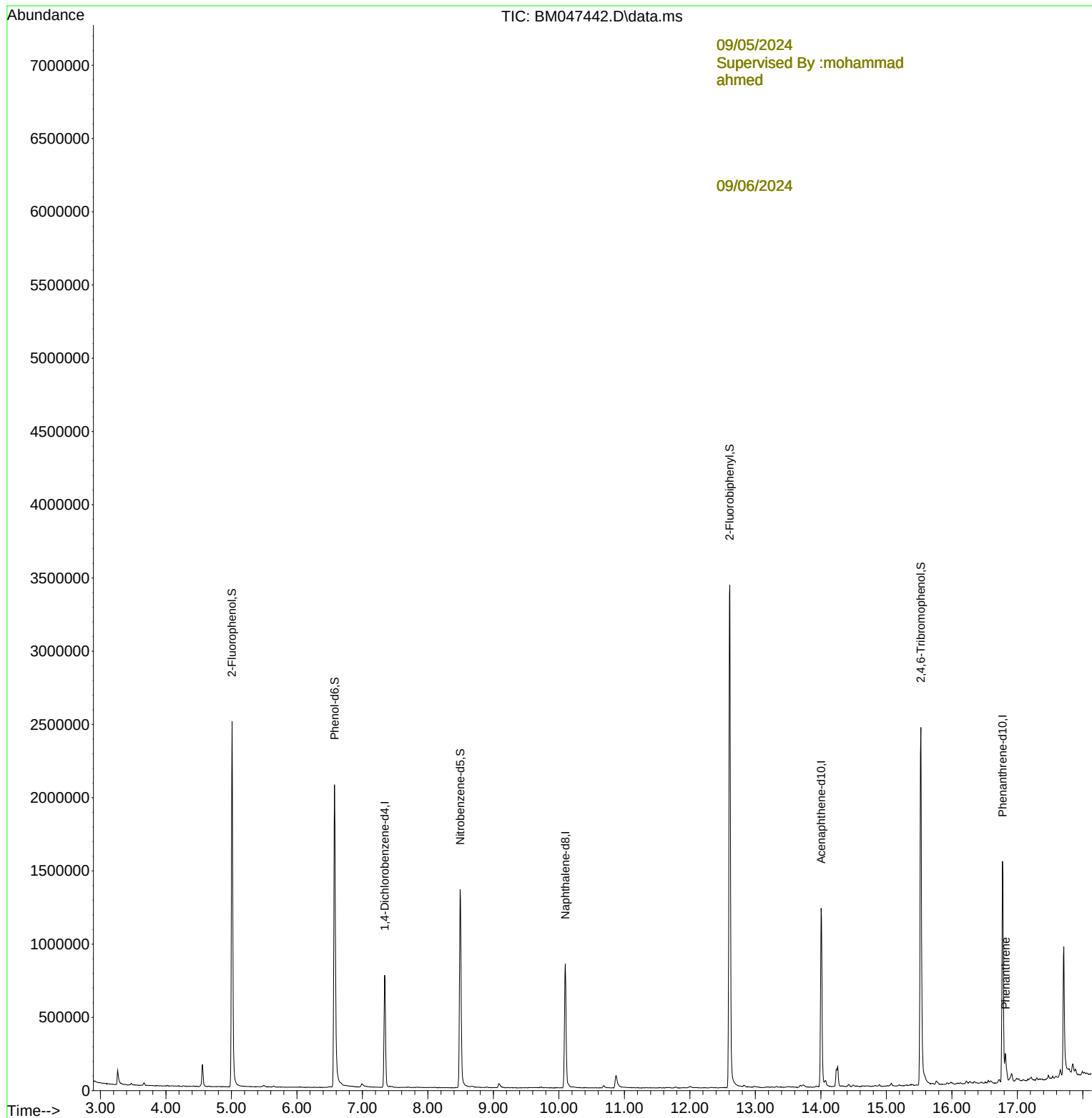
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090424\
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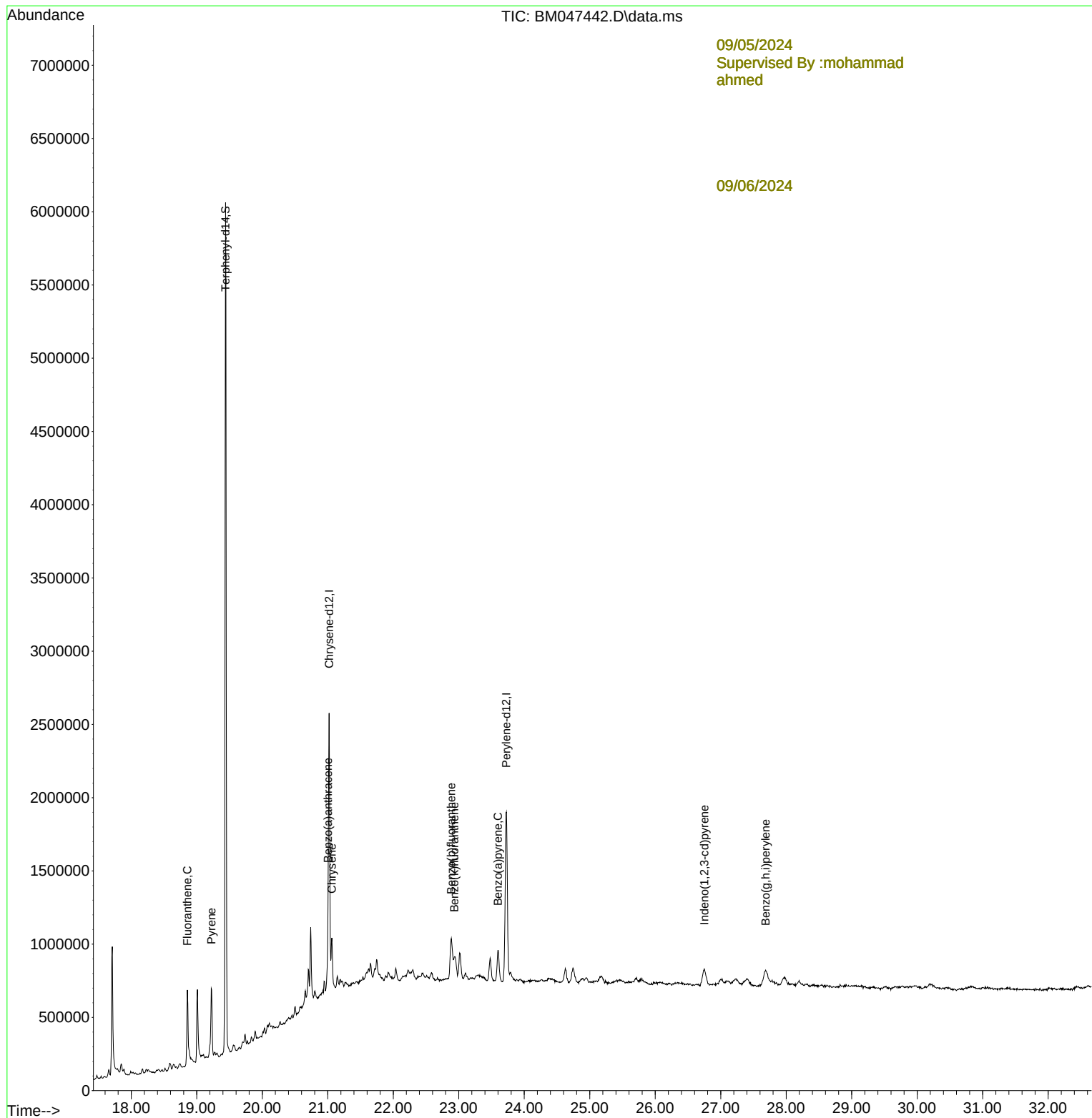
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090424\
Data File : BM047442.D
Acq On : 04 Sep 2024 17:23
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Sample : P3750-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

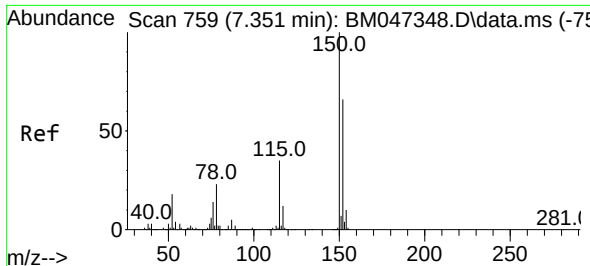
Instrument :
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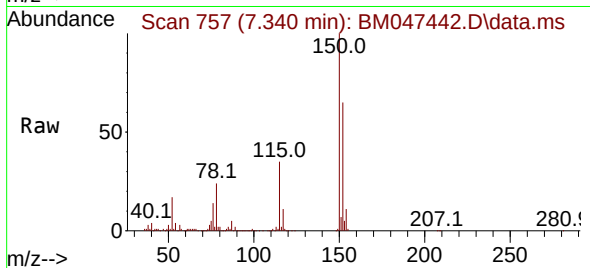
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration





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

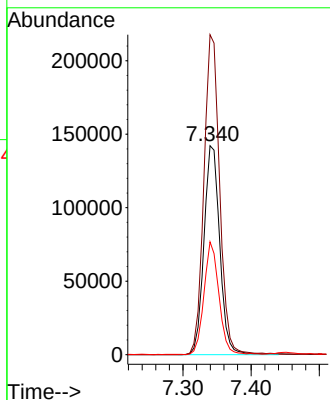
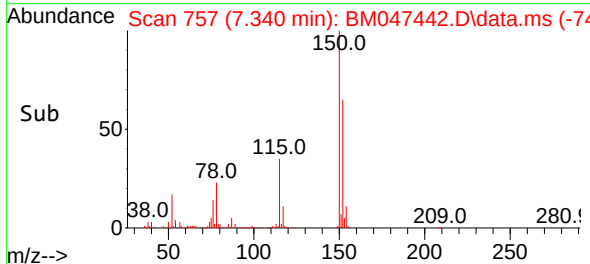
Instrument :
BNA_M
ClientSampleId :
72-11978



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

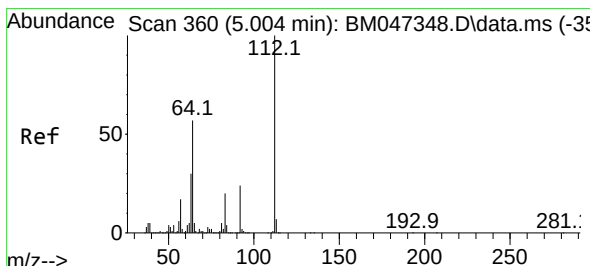
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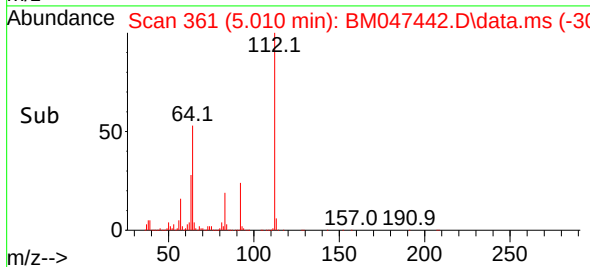
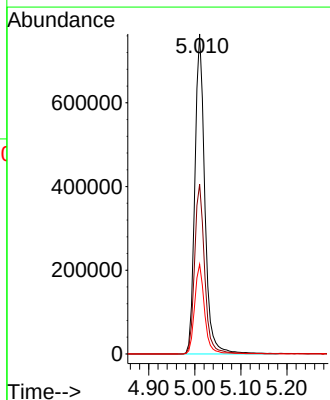
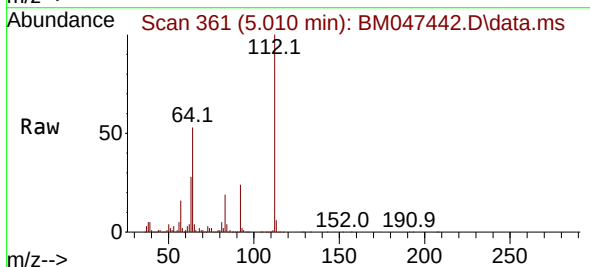
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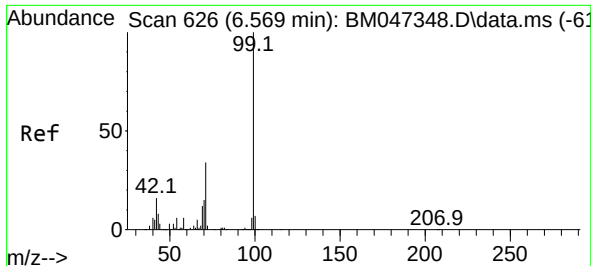
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#5
2-Fluorophenol
Concen: 96.013 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

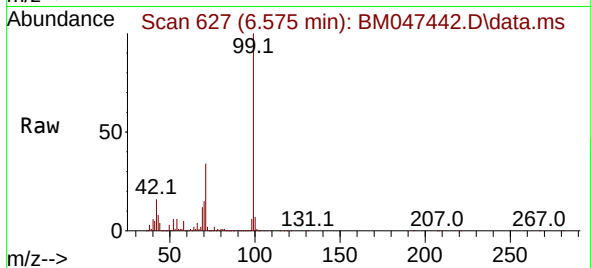
Tgt Ion:112 Resp: 1147580
Ion Ratio Lower Upper
112 100
64 53.1 45.7 68.5
63 28.0 23.8 35.8





#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

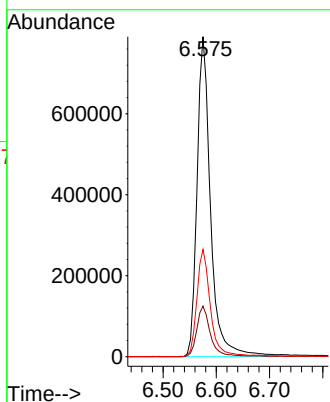
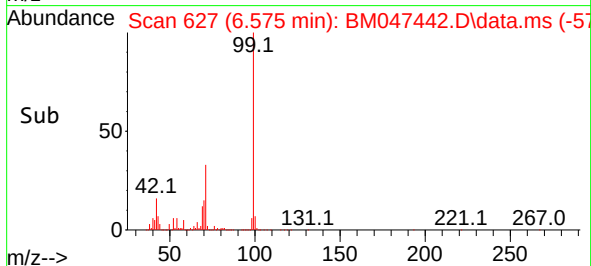
Instrument :
BNA_M
ClientSampleId :
72-11978



Tgt Ion: 99 Resp: 1394870
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 33.5 27.5 41.3

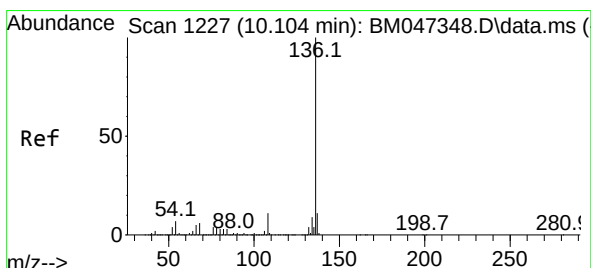
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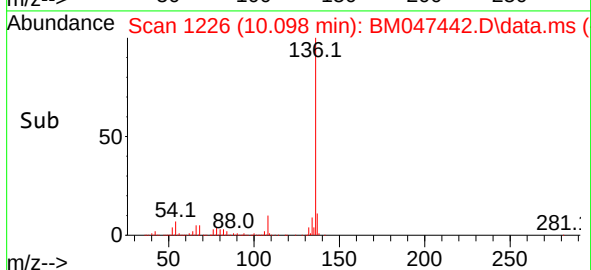
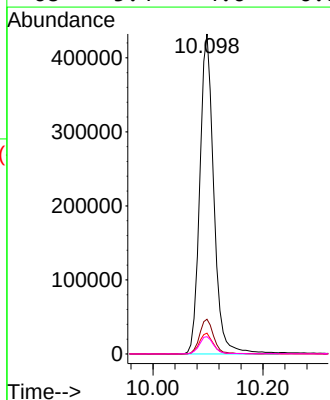
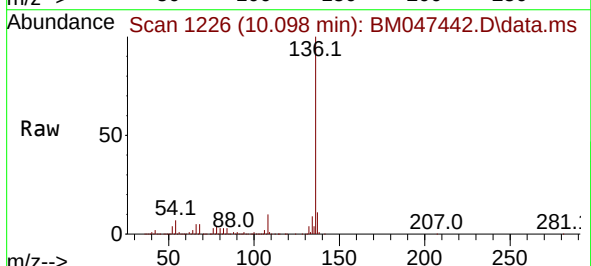
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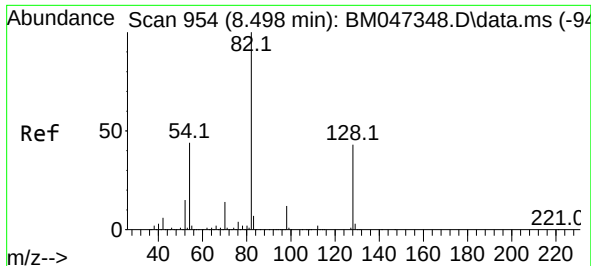
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.098 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

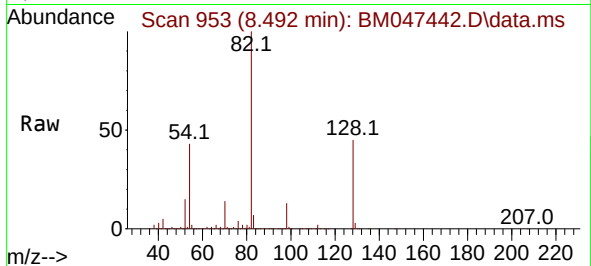
Tgt Ion:136 Resp: 764875
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.5 5.2 7.8
68 5.4 4.6 6.8





#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

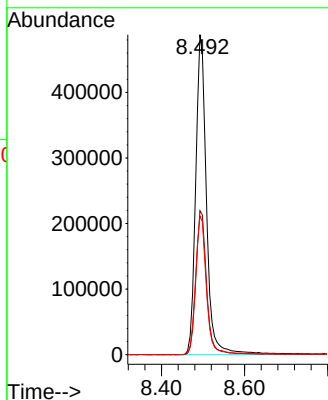
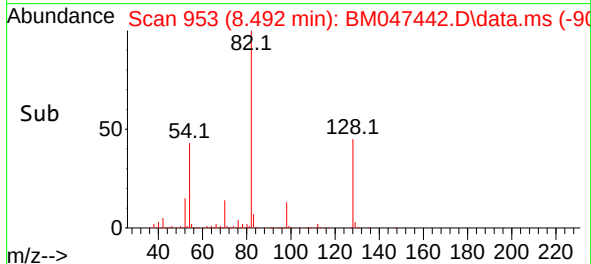
Instrument :
BNA_M
ClientSampleId :
72-11978



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

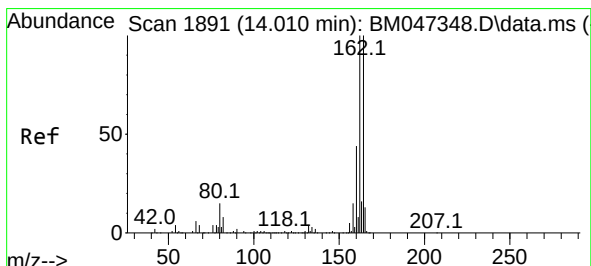
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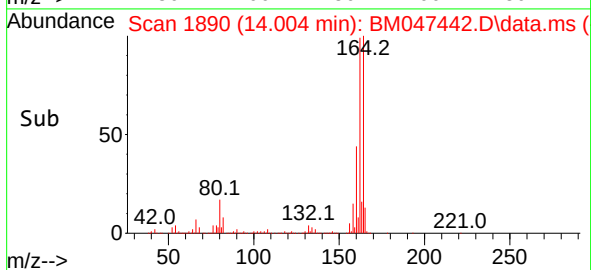
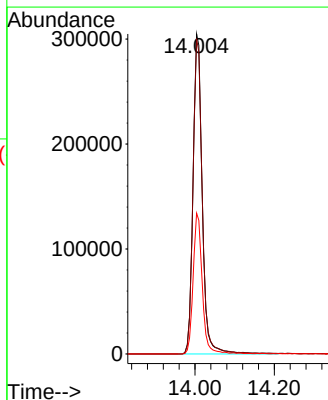
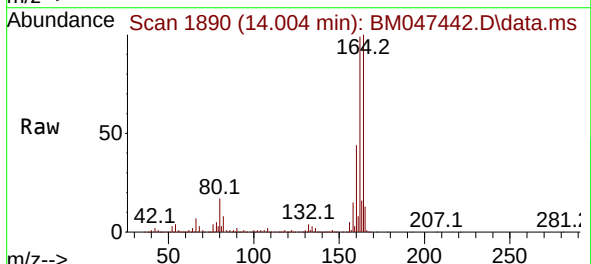
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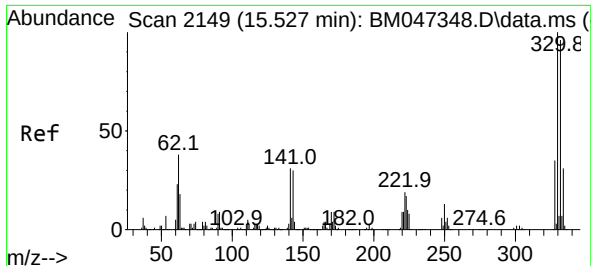
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

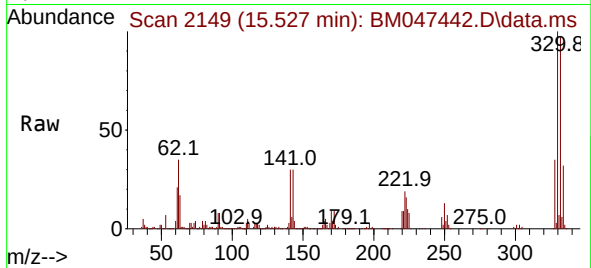
Tgt Ion:164 Resp: 491700
Ion Ratio Lower Upper
164 100
162 98.6 79.7 119.5
160 44.0 34.9 52.3





#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

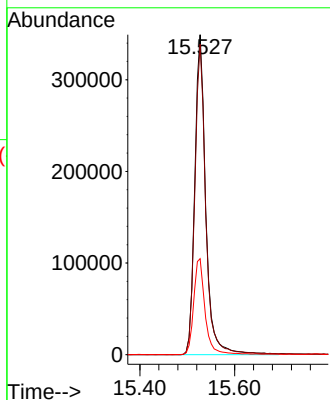
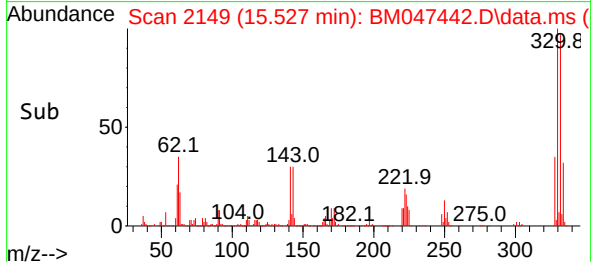
Instrument :
BNA_M
ClientSampleId :
72-11978



Tgt Ion:330 Resp: 56348
Ion Ratio Lower Upper
330 100
332 97.1 77.2 115.8
141 31.4 27.6 41.4

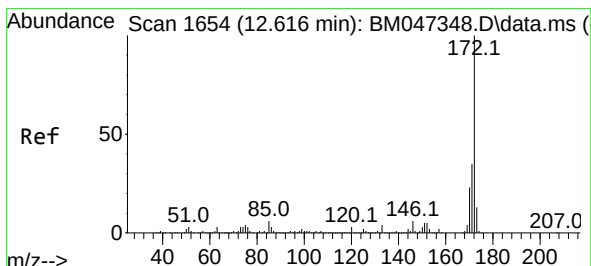
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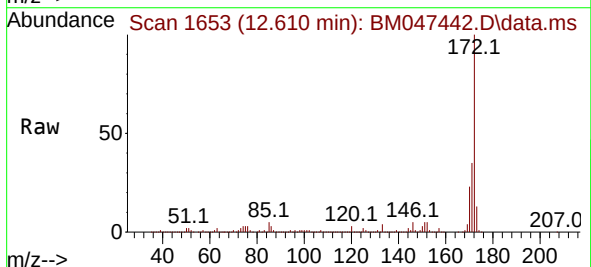


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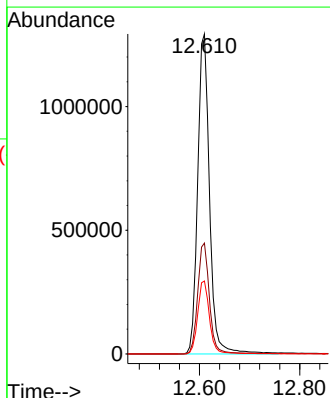
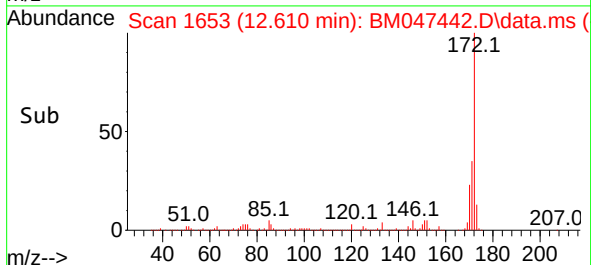
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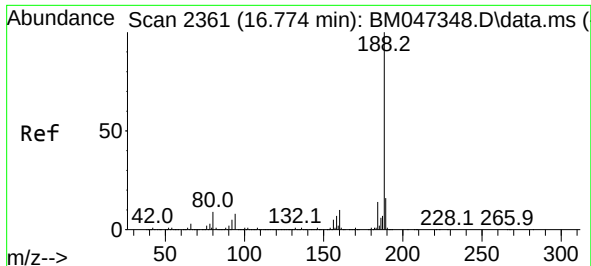


#45
2-Fluorobiphenyl
Concen: 66.304 ng
RT: 12.610 min Scan# 1653
Delta R.T. -0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23



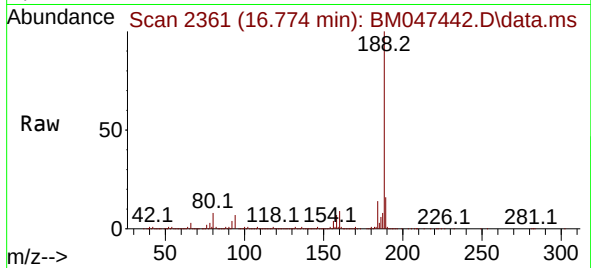
Tgt Ion:172 Resp: 2121799
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 22.8 18.5 27.7





#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

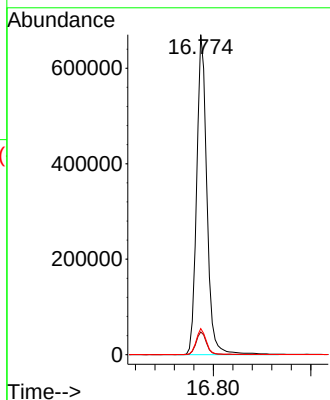
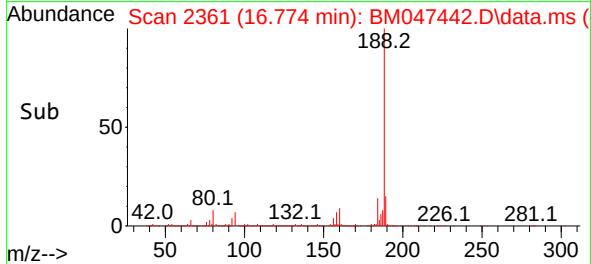
Instrument :
BNA_M
ClientSampleId :
72-11978



Tgt Ion:188 Resp: 984550
Ion Ratio Lower Upper
188 100
94 7.1 6.4 9.6
80 8.2 7.4 11.2

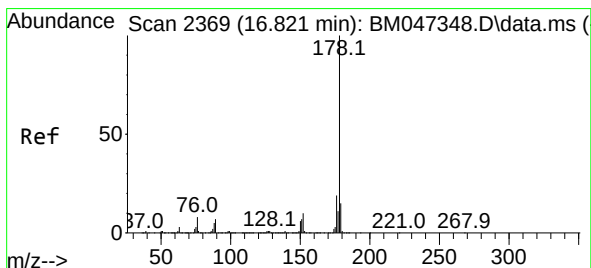
Manual Integrations
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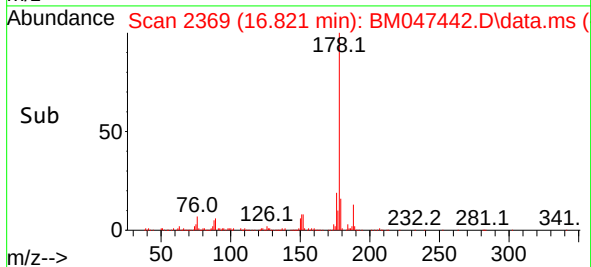
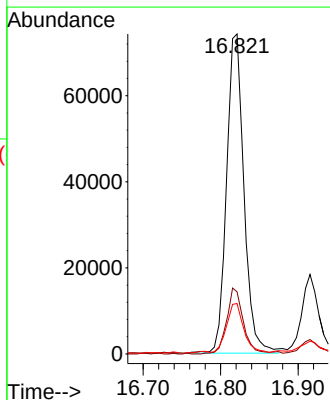
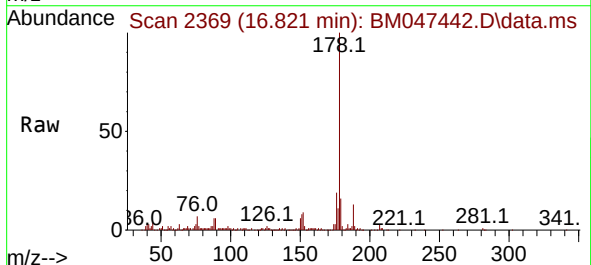
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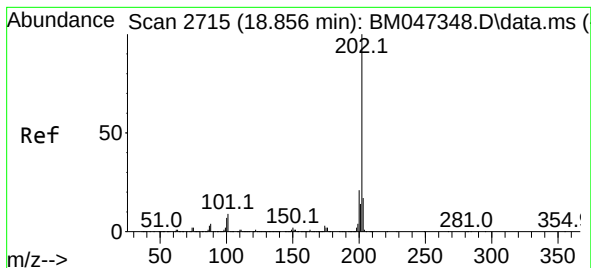
09/06/2024



#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

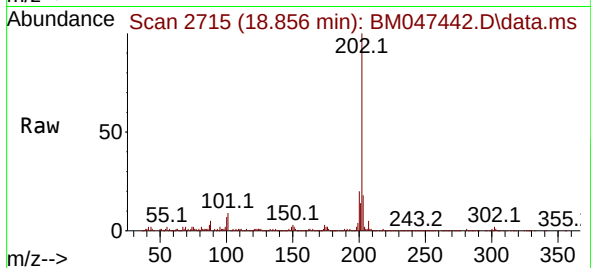
Tgt Ion:178 Resp: 116089
Ion Ratio Lower Upper
178 100
176 19.4 15.2 22.8
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 5.348 ng
RT: 18.856 min Scan# 2715
Delta R.T. 0.000 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

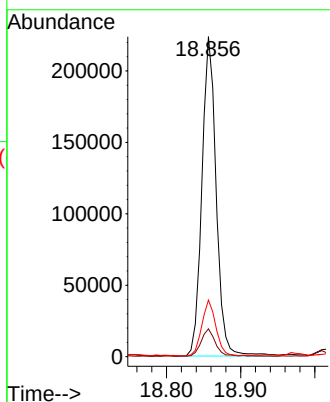
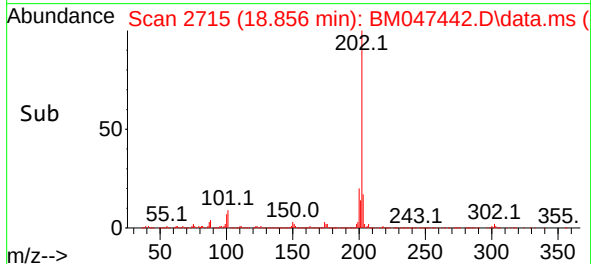
Instrument :
BNA_M
ClientSampleId :
72-11978



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

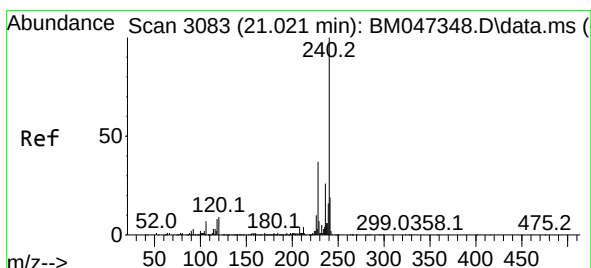
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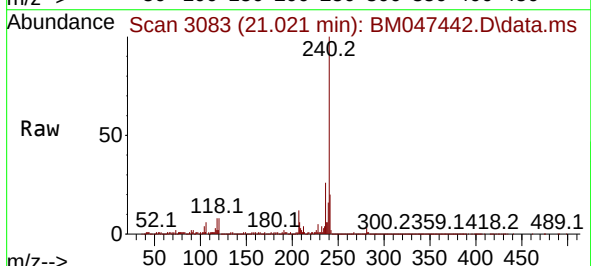


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ahmed

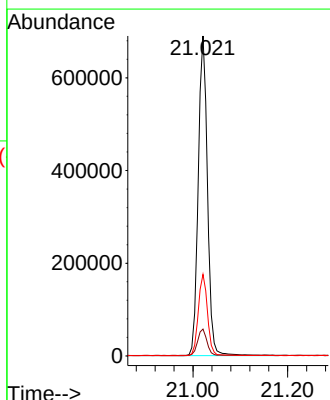
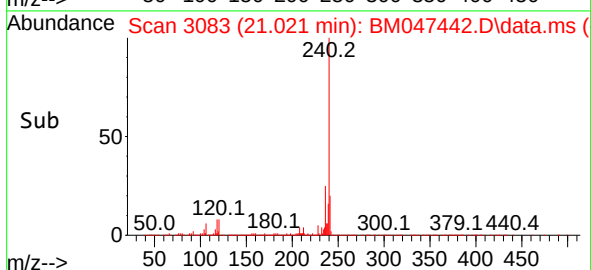
09/06/2024

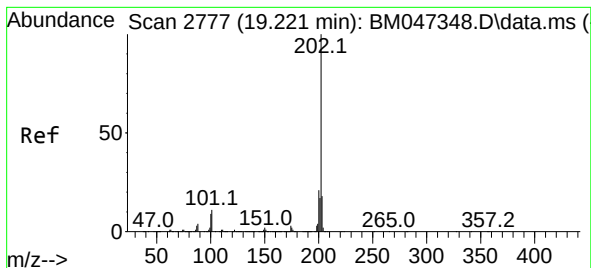


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. 0.000 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23



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

ClientSampleId :

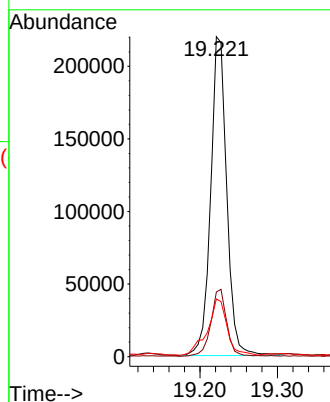
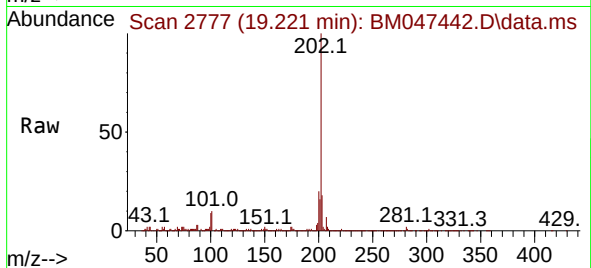
72-11978

Tgt Ion:	202	Resp:	316910
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.7	25.1
203	18.0	14.2	21.4

Manual Integrations

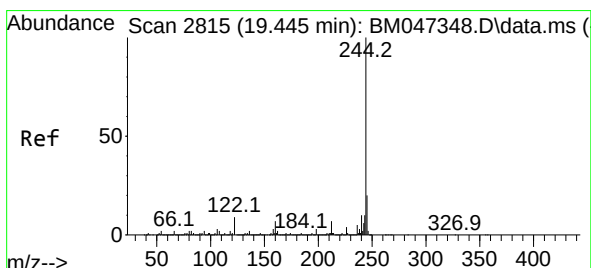
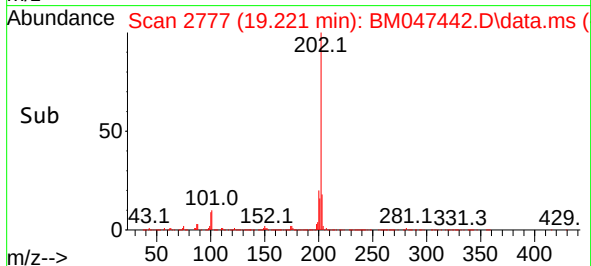
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Supervised By :mohammad ahmed 09/06/2024



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#79

Terphenyl-d14

Concen: 56.743 ng

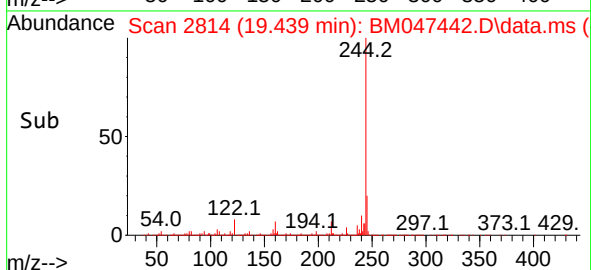
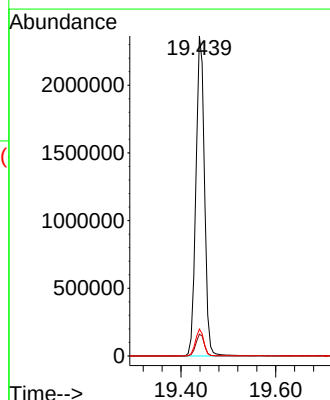
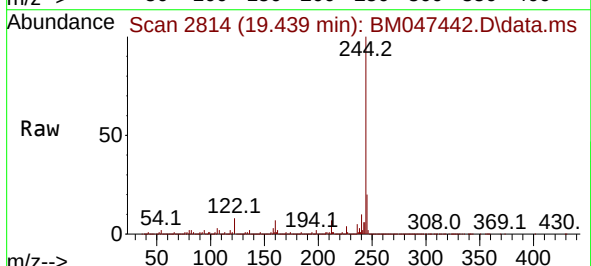
RT: 19.439 min Scan# 2814

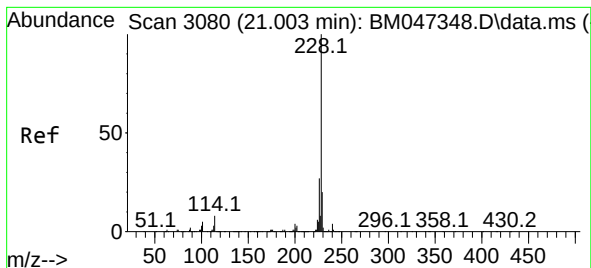
Delta R.T. -0.006 min

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 :

BNM

ClientSampleId :

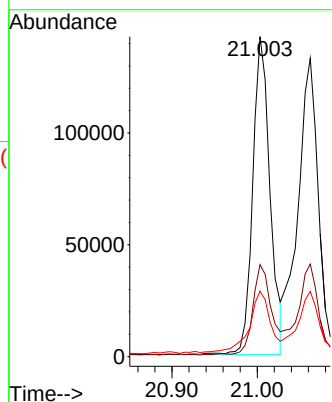
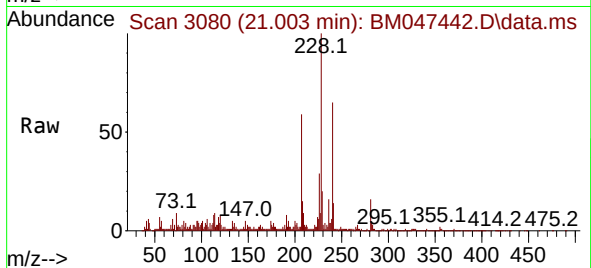
72-11978

Tgt Ion:228	Resp: 200000
Ion Ratio	Lower Upper
228 100	
226 28.7	21.4 32.0
229 20.5	15.8 23.8

Manual Integrations

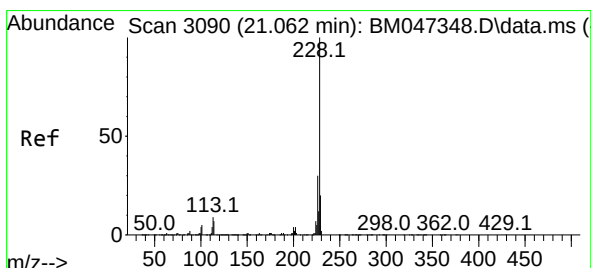
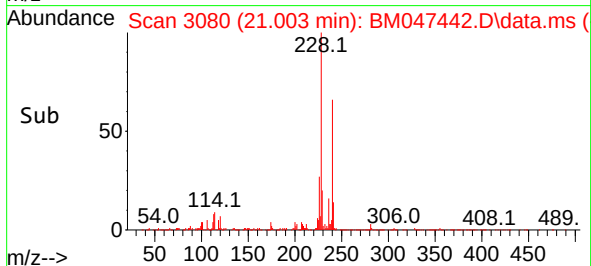
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#83

Chrysene

Concen: 3.837 ng

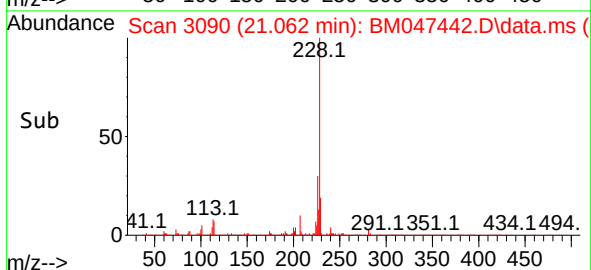
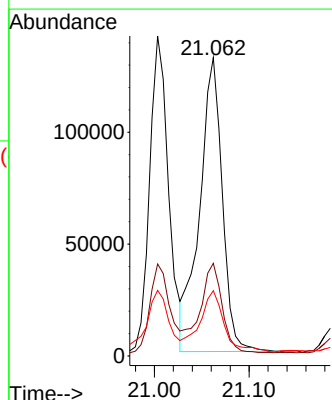
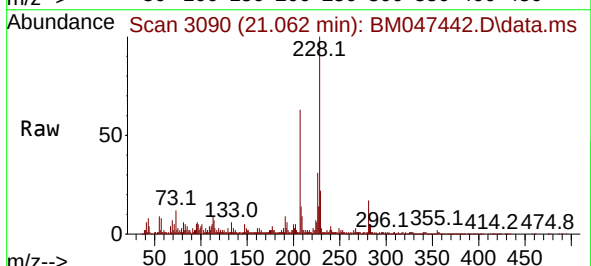
RT: 21.062 min Scan# 3090

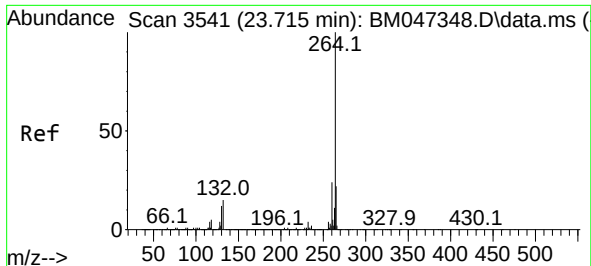
Delta R.T. 0.000 min

Lab File: BM047442.D

Acq: 04 Sep 2024 17:23

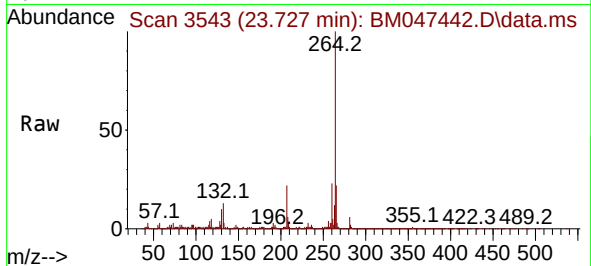
Tgt Ion:228	Resp: 219381
Ion Ratio	Lower Upper
228 100	
226 31.1	24.0 36.0
229 21.9	15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.727 min Scan# 3541
Delta R.T. 0.012 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

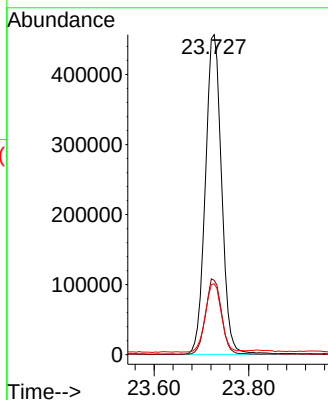
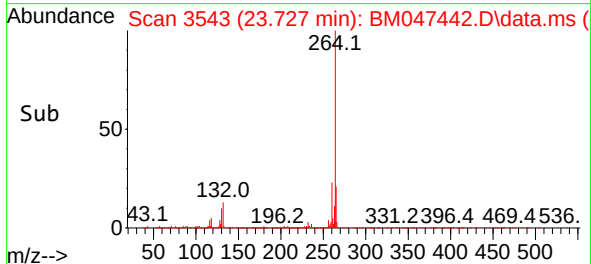
Instrument :
BNA_M
ClientSampleId :
72-11978



Tgt Ion:264 Resp: 108591
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 22.2 17.8 26.6

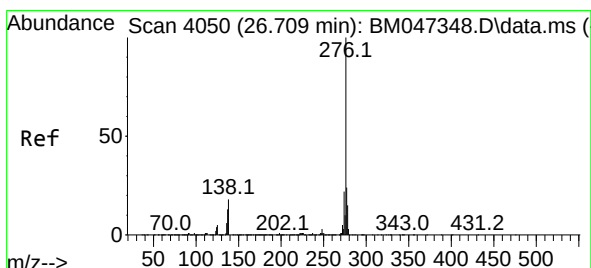
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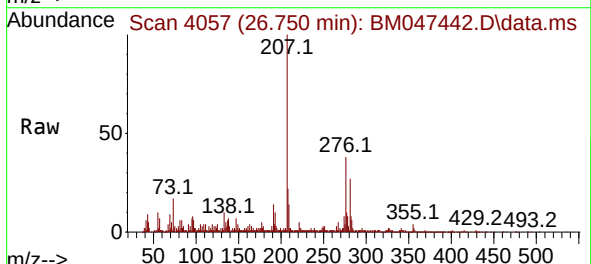


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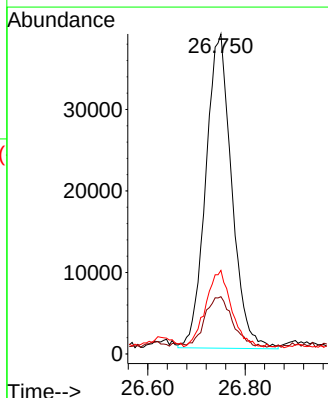
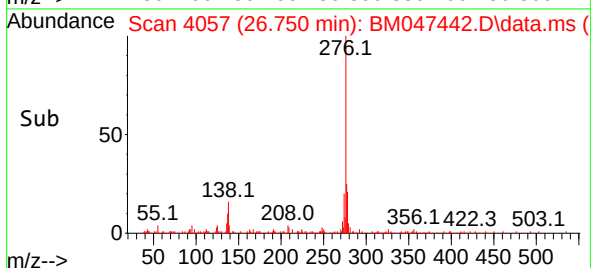
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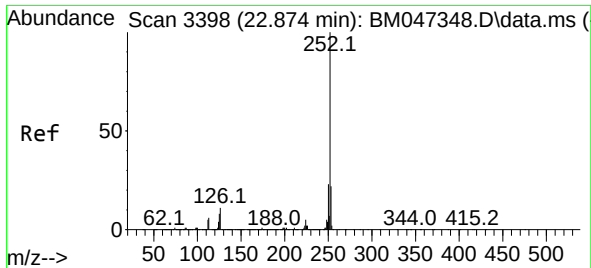


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.097 ng
RT: 26.750 min Scan# 4057
Delta R.T. 0.041 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23



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





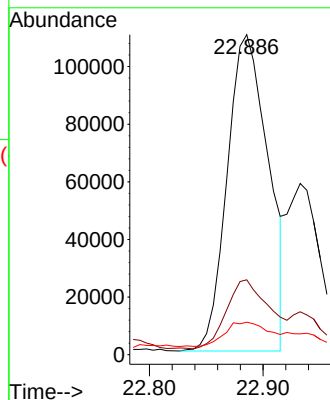
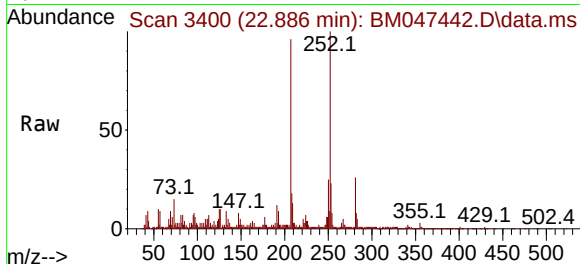
#88
Benzo(b)fluoranthene
Concen: 4.343 ng
RT: 22.886 min Scan# 3400
Delta R.T. 0.012 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

Instrument :
BNA_M
ClientSampleId :
72-11978

Tgt Ion:252 Resp: 27515
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.1 6.6 10.0

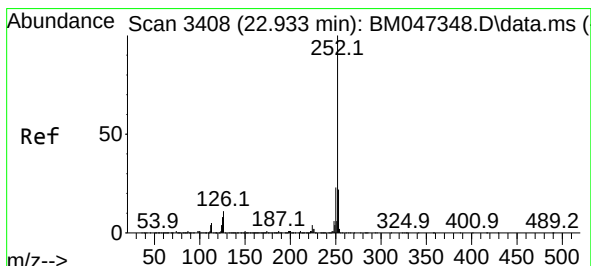
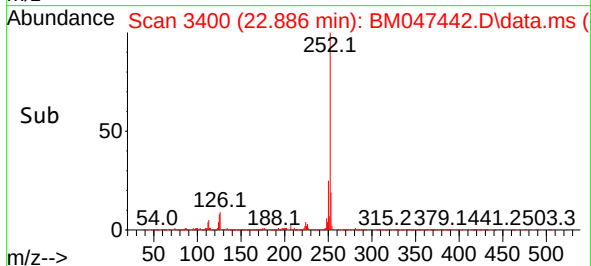
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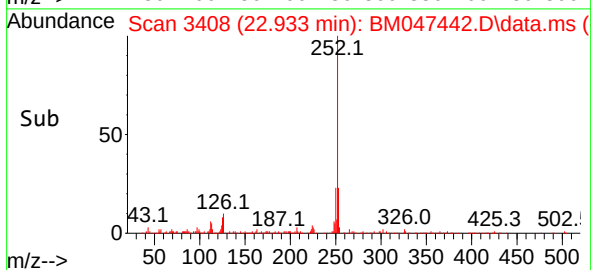
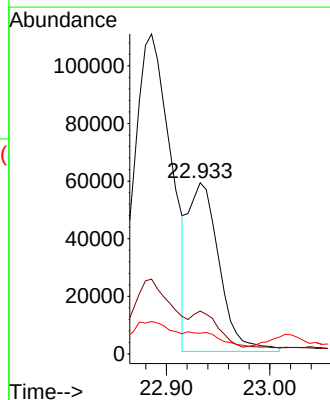
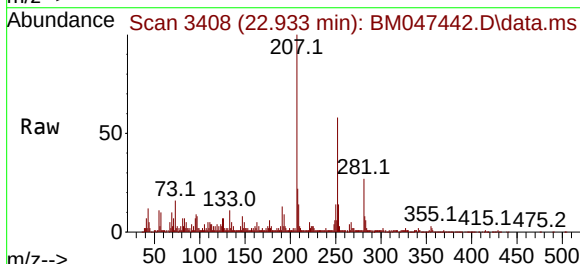
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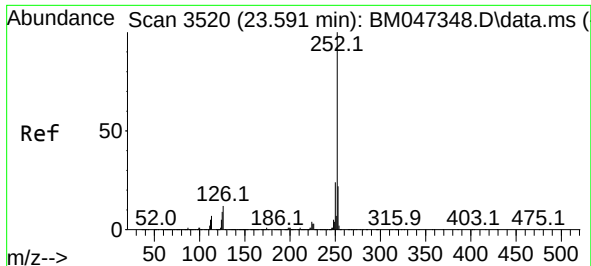
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#89
Benzo(k)fluoranthene
Concen: 2.036 ng m
RT: 22.933 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

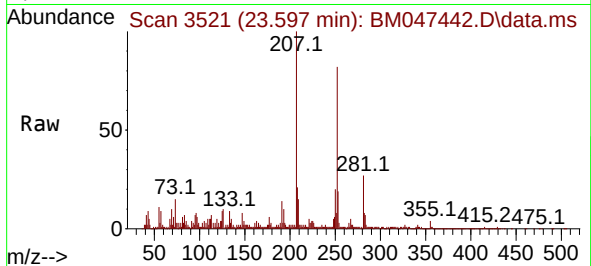
Tgt Ion:252 Resp: 122291
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 12.1 6.6 9.8





#90
Benzo(a)pyrene
Concen: 3.463 ng
RT: 23.597 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM047442.D
Acq: 04 Sep 2024 17:23

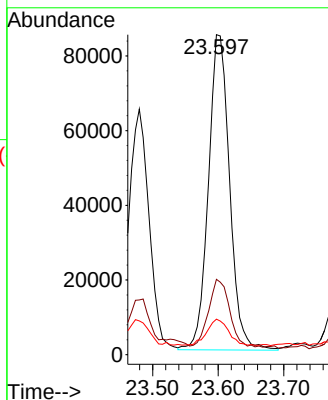
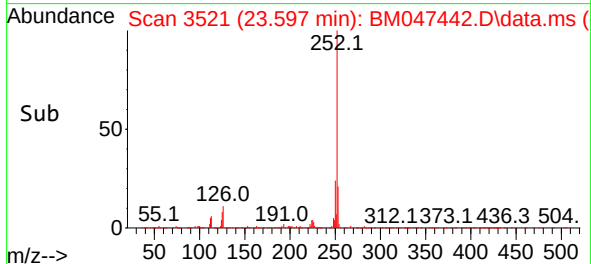
Instrument :
BNA_M
ClientSampleId :
72-11978



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

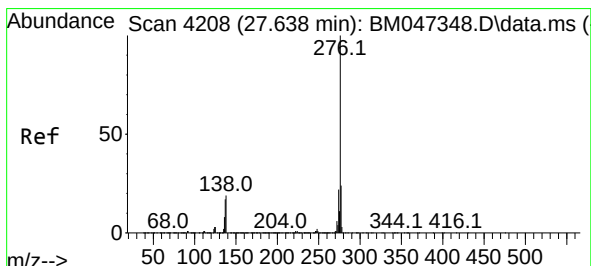
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Supervised By :mohammad
ahmed

09/06/2024



#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

