

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
 Data File : BM047425.D
 Acq On : 03 Sep 2024 14:45
 Operator : RC/JU
 Sample : P3814-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DNB-43

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
 Supervised By :mohammad ahmed 09/06/2024

Quant Time: Sep 03 15:33:35 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	7.339	152	213924	20.000	ng	-0.01
21) Naphthalene-d8	10.098	136	772016	20.000	ng	0.00
39) Acenaphthene-d10	14.004	164	508580	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	973765	20.000	ng	0.00
76) Chrysene-d12	21.015	240	777318	20.000	ng	0.00
86) Perylene-d12	23.715	264	923427	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.004	112	663357	59.493	ng	0.00
7) Phenol-d6	6.569	99	866359	57.036	ng	0.00
23) Nitrobenzene-d5	8.492	82	563511	40.500	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	361453	58.908	ng	0.00
45) 2-Fluorobiphenyl	12.604	172	1331255	40.219	ng	-0.01
79) Terphenyl-d14	19.439	244	1580863	36.200	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	16.815	178	151914	3.212	ng	99
75) Fluoranthene	18.850	202	357726	6.442	ng	100
78) Pyrene	19.221	202	300508	5.041	ng	99
81) Benzo(a)anthracene	21.003	228	165067	3.256	ng	95
83) Chrysene	21.056	228	170628m	3.578	ng	
87) Indeno(1,2,3-cd)pyrene	26.726	276	122192	2.114	ng	96
88) Benzo(b)fluoranthene	22.874	252	230694	4.282	ng	# 92
90) Benzo(a)pyrene	23.591	252	162971	3.498	ng	# 94
92) Benzo(g,h,i)perylene	27.668	276	120933	2.484	ng	97

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

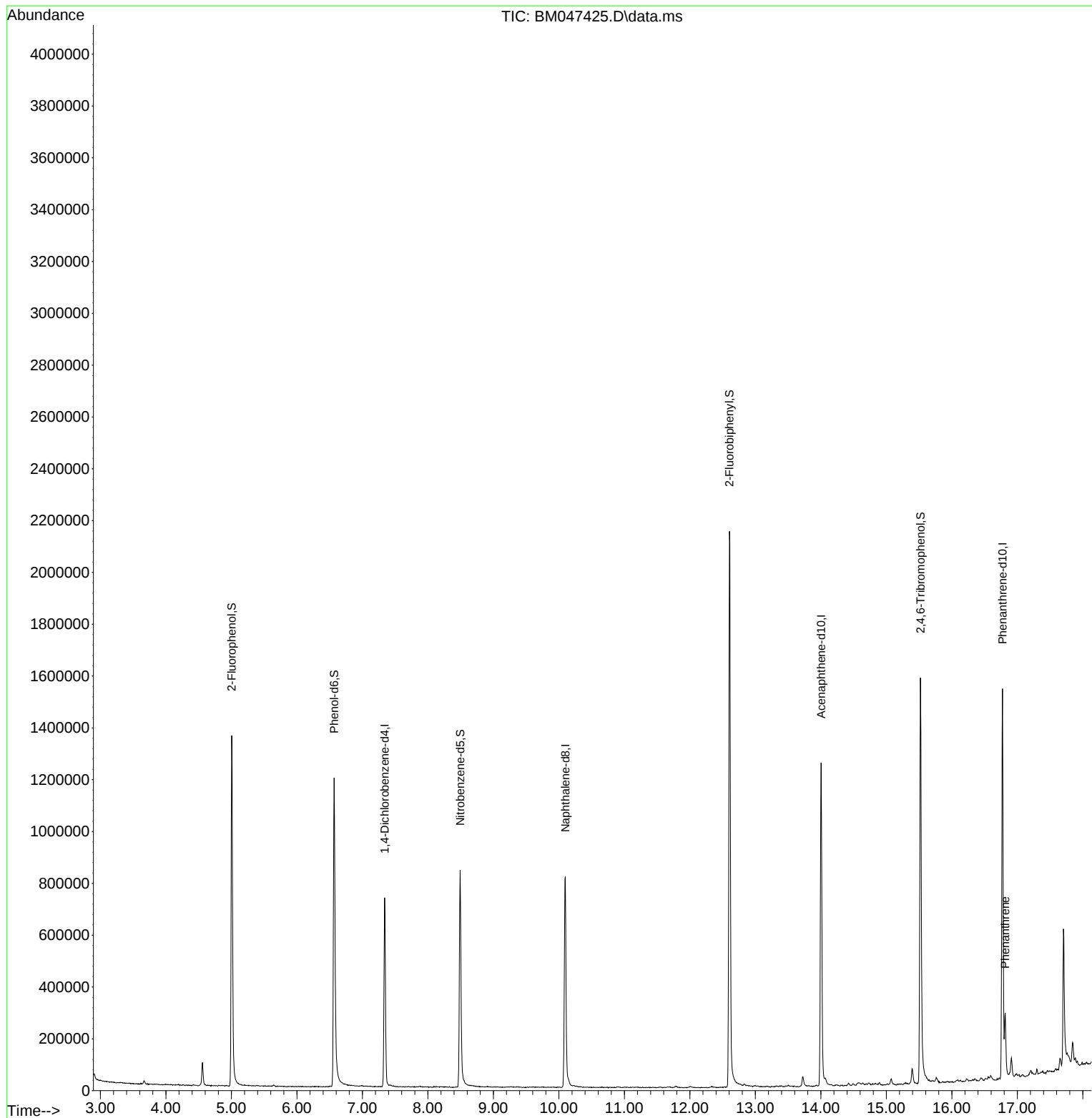
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
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Response via : Initial Calibration



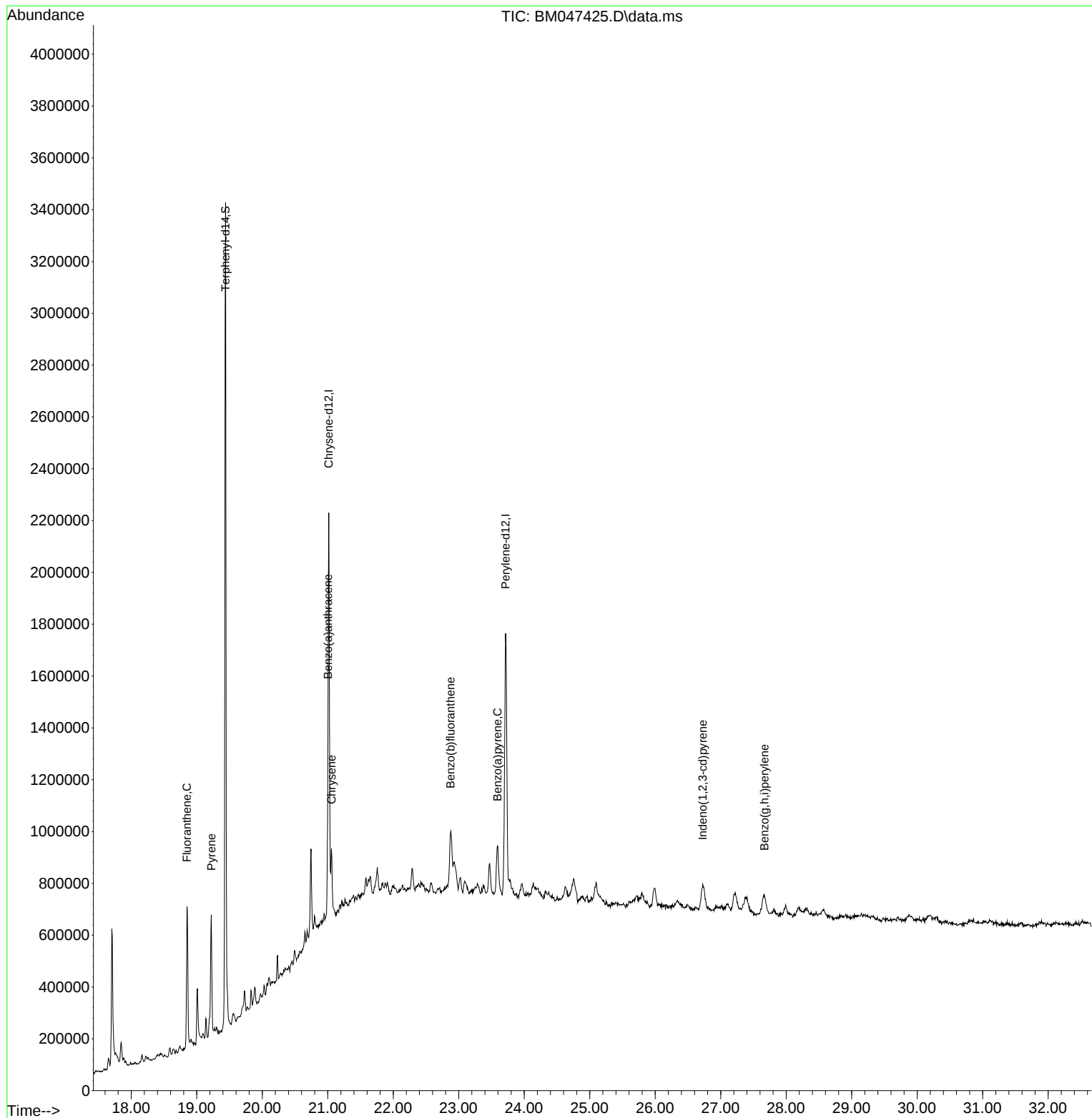
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090324\
Data File : BM047425.D
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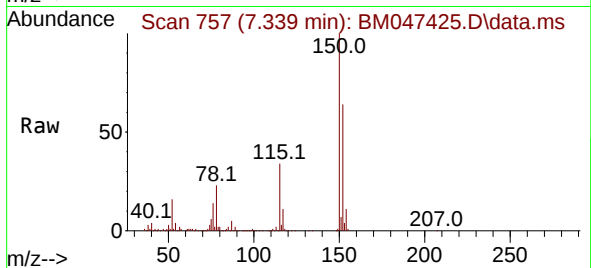
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.339 min Scan# 759
Delta R.T. -0.012 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

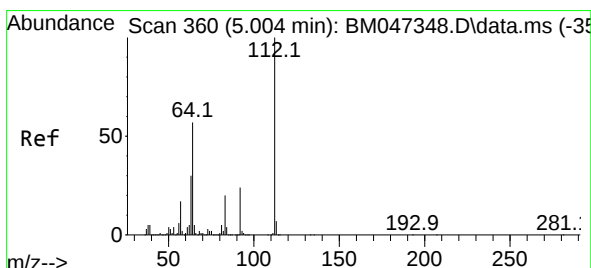
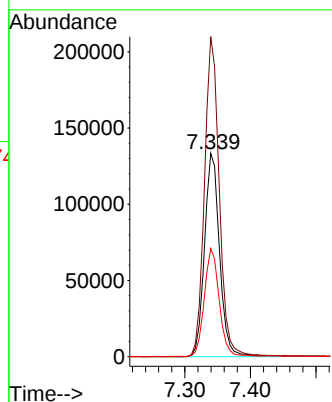
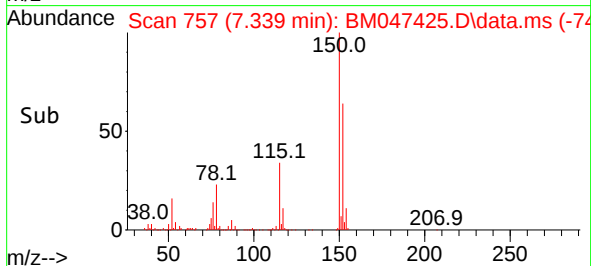
Instrument :
BNA_M
ClientSampleId :
DNB-43



Tgt Ion:152 Resp: 213924
Ion Ratio Lower Upper
152 100
150 157.4 121.3 181.9
115 53.2 42.6 64.0

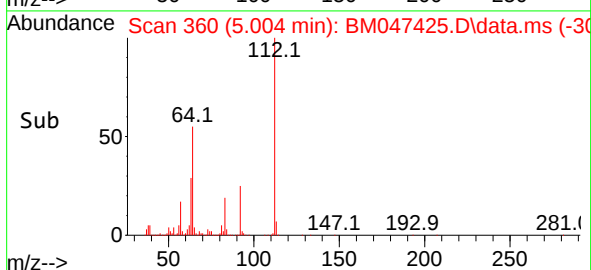
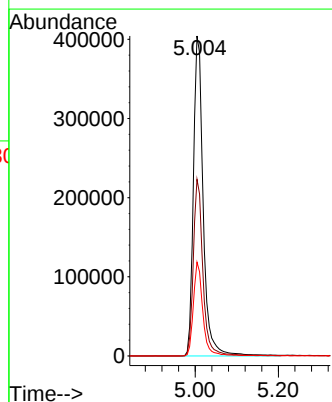
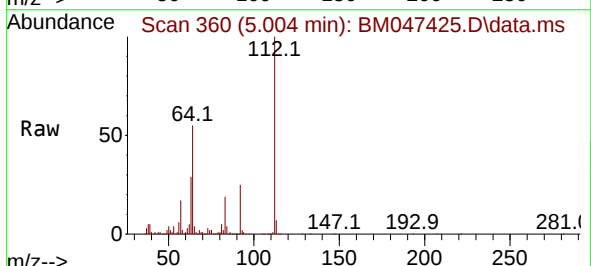
Manual Integrations
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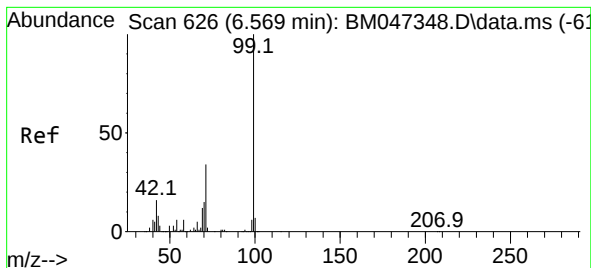
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#5
2-Fluorophenol
Concen: 59.493 ng
RT: 5.004 min Scan# 360
Delta R.T. -0.000 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:112 Resp: 663357
Ion Ratio Lower Upper
112 100
64 55.2 45.7 68.5
63 29.3 23.8 35.8





#7

Phenol-d6

Concen: 57.036 ng

RT: 6.569 min Scan# 61

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

DNB-43

Tgt Ion: 99 Resp: 86635

Ion Ratio Lower Upper

99 100

42 15.6 13.0 19.4

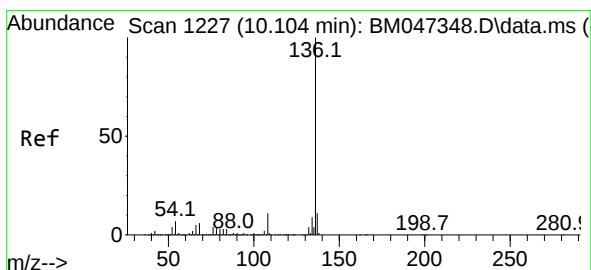
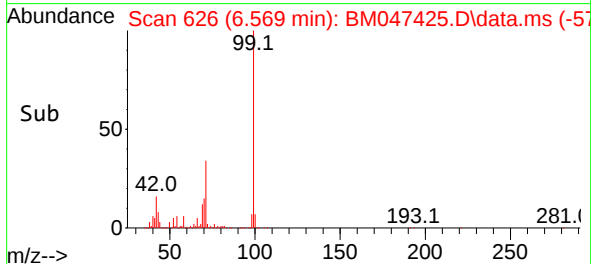
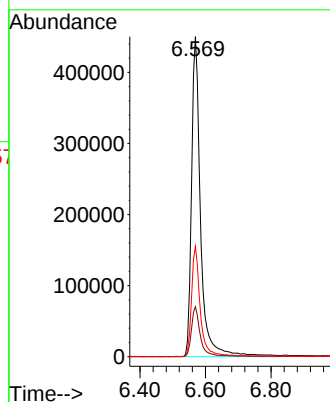
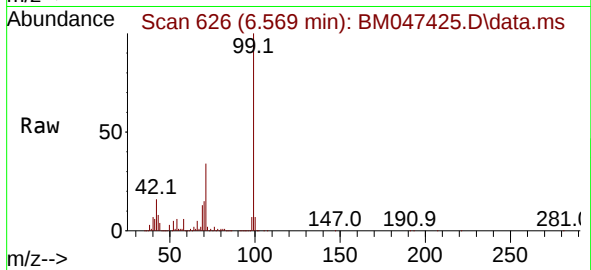
71 34.5 27.5 41.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/04/2024

Supervised By :mohammad ahmed 09/06/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.098 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Tgt Ion:136 Resp: 772016

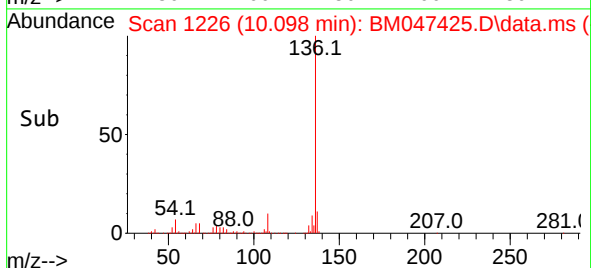
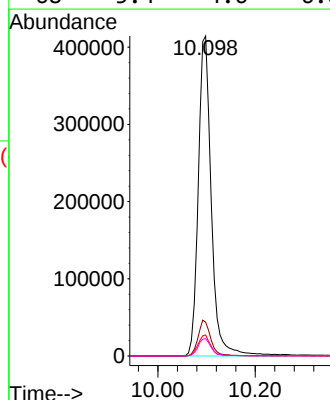
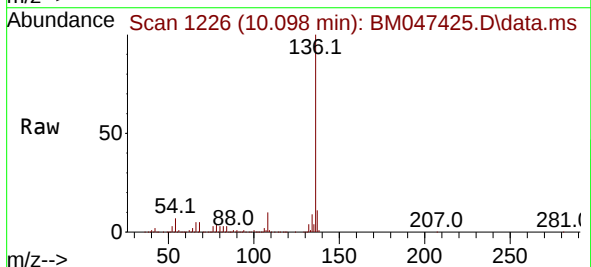
Ion Ratio Lower Upper

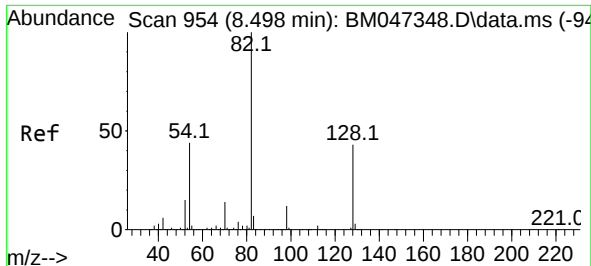
136 100

137 10.6 8.8 13.2

54 6.5 5.2 7.8

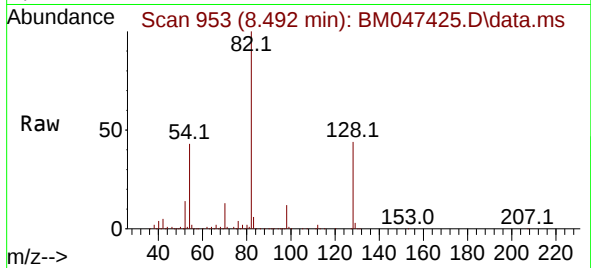
68 5.4 4.6 6.8





#23
Nitrobenzene-d5
Concen: 40.500 ng
RT: 8.492 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

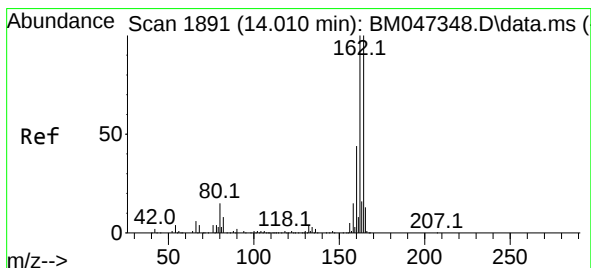
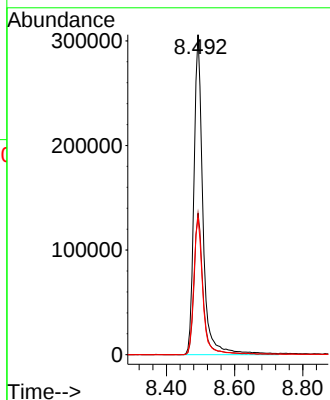
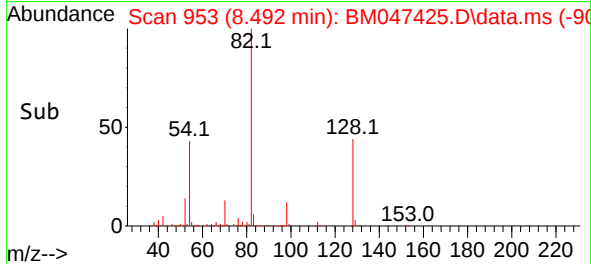
Instrument :
BNA_M
ClientSampleId :
DNB-43



Tgt Ion: 82 Resp: 56351
Ion Ratio Lower Upper
82 100
128 44.2 34.6 51.8
54 42.7 35.5 53.3

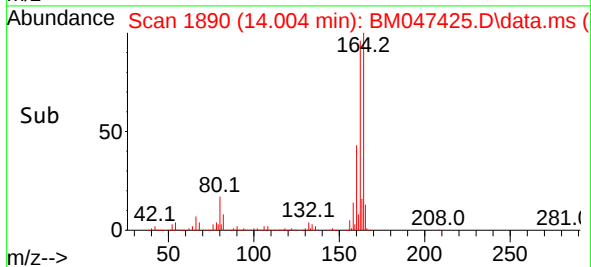
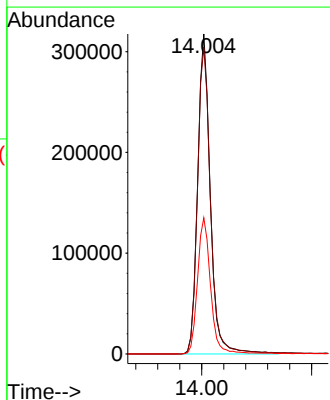
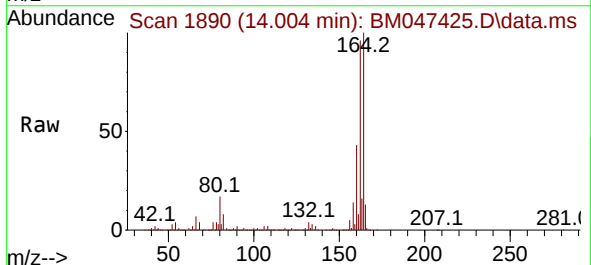
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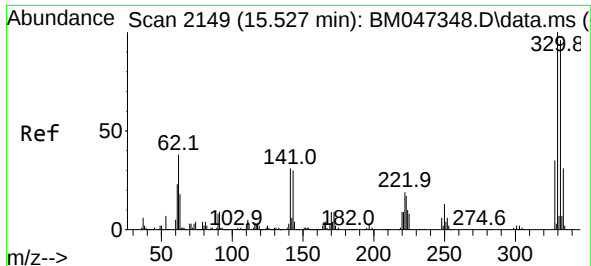
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:164 Resp: 508580
Ion Ratio Lower Upper
164 100
162 95.8 79.7 119.5
160 42.5 34.9 52.3





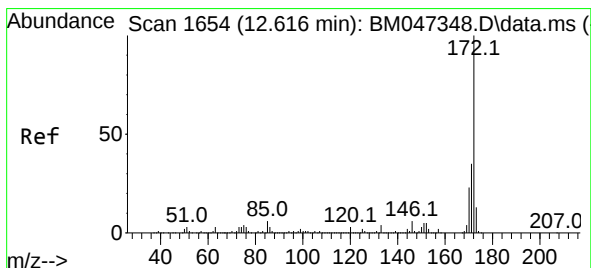
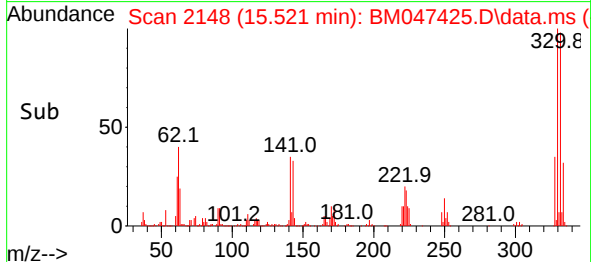
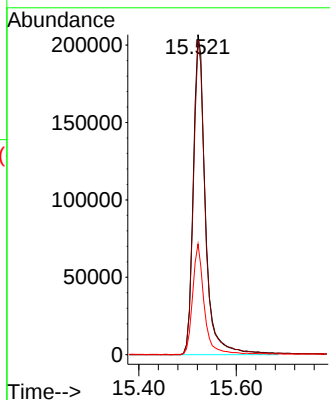
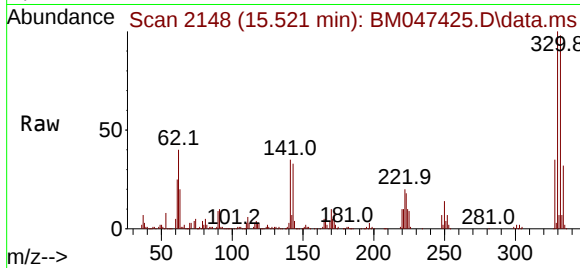
#42
2,4,6-Tribromophenol
Concen: 58.908 ng
RT: 15.521 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Instrument :
BNA_M
ClientSampleId :
DNB-43

Tgt Ion:330 Resp: 36145
Ion Ratio Lower Upper
330 100
332 97.5 77.2 115.8
141 32.9 27.6 41.4

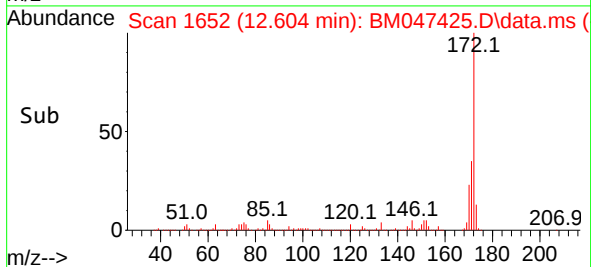
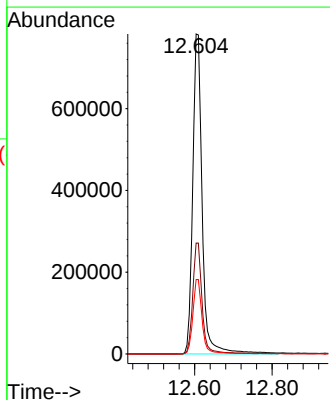
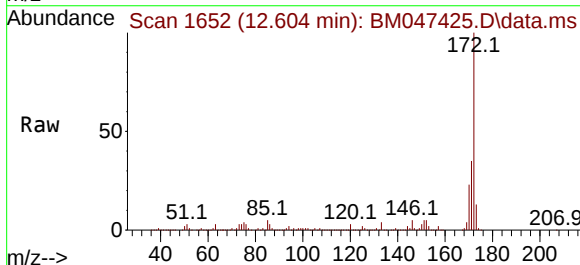
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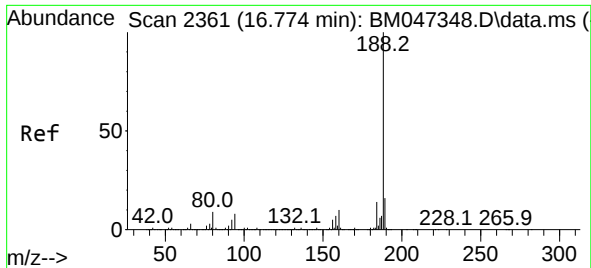
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#45
2-Fluorobiphenyl
Concen: 40.219 ng
RT: 12.604 min Scan# 1652
Delta R.T. -0.012 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:172 Resp: 1331255
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.3 18.5 27.7





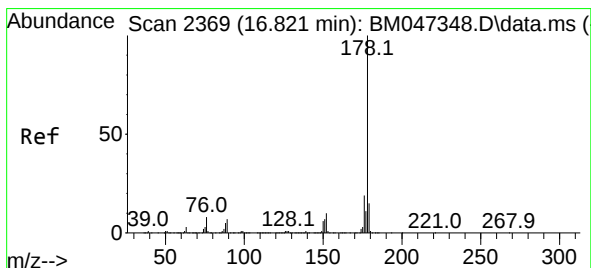
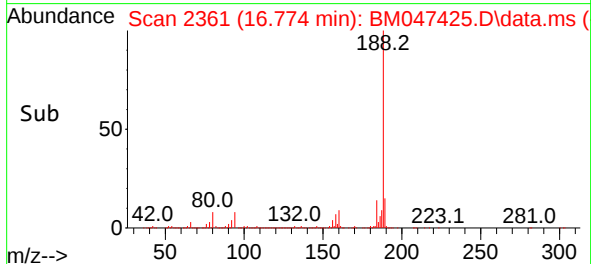
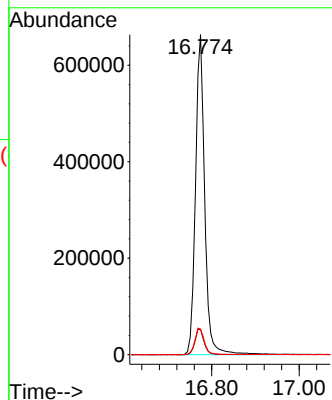
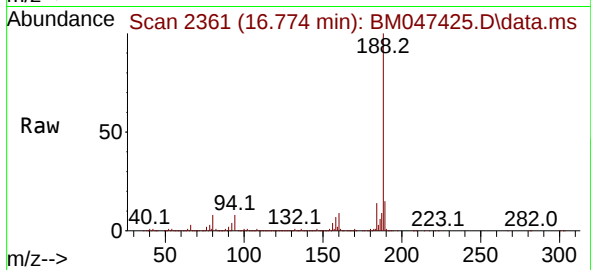
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.774 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Instrument :
BNA_M
ClientSampleId :
DNB-43

Tgt Ion:188 Resp: 97376
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.0 7.4 11.2

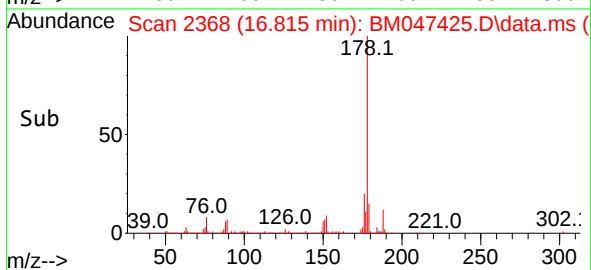
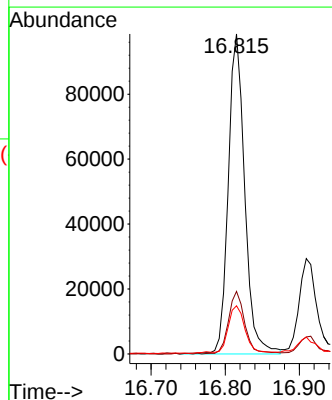
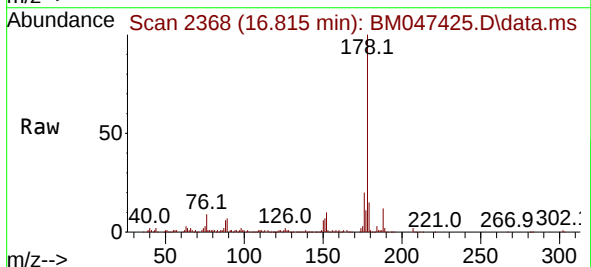
Manual Integrations
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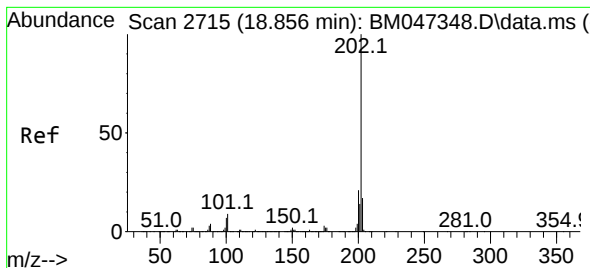
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#71
Phenanthrene
Concen: 3.212 ng
RT: 16.815 min Scan# 2368
Delta R.T. -0.006 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

Tgt Ion:178 Resp: 151914
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.1 12.2 18.4





#75

Fluoranthene

Concen: 6.442 ng

RT: 18.850 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

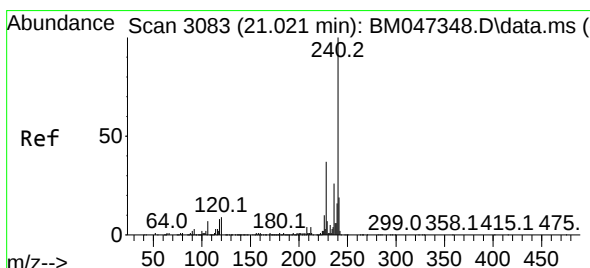
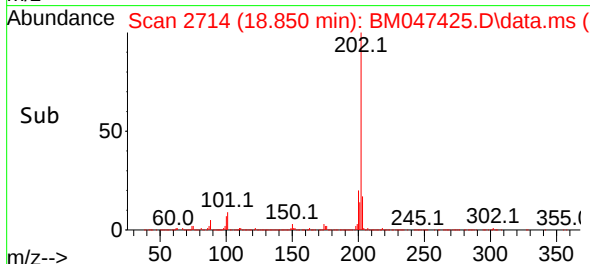
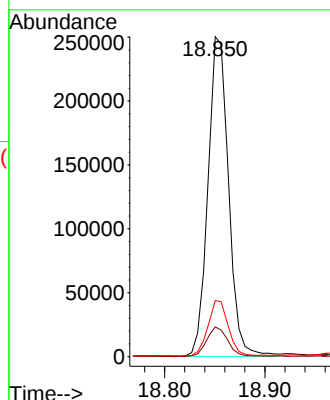
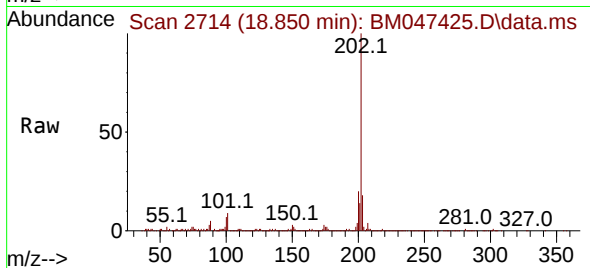
DNB-43

Tgt Ion:	202	Resp:	357720
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	29.0
203	17.6	0.0	37.5

Manual Integrations

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Supervised By :mohammad ahmed 09/06/2024



#76

Chrysene-d12

Concen: 20.000 ng

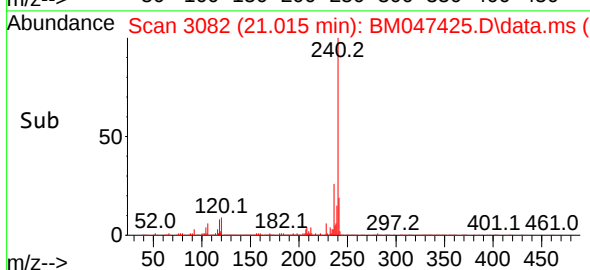
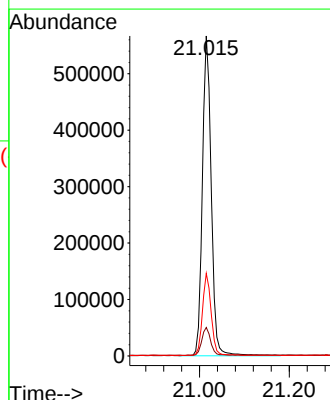
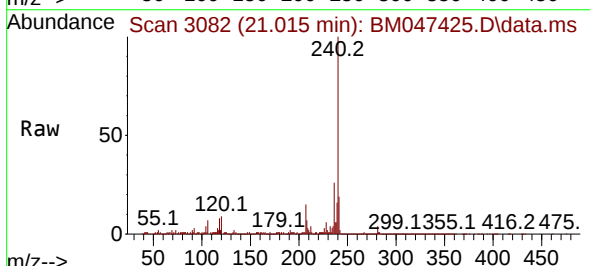
RT: 21.015 min Scan# 3082

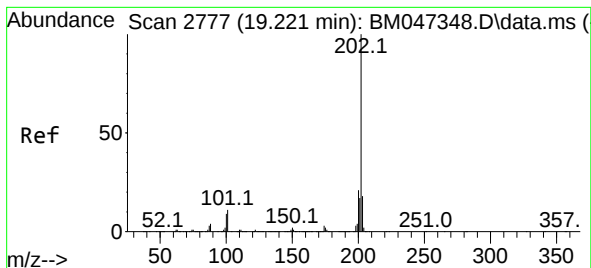
Delta R.T. -0.006 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Tgt Ion:	240	Resp:	777318
Ion Ratio	Lower	Upper	
240	100		
120	8.9	7.4	11.0
236	25.8	20.8	31.2





#78

Pyrene

Concen: 5.041 ng

RT: 19.221 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

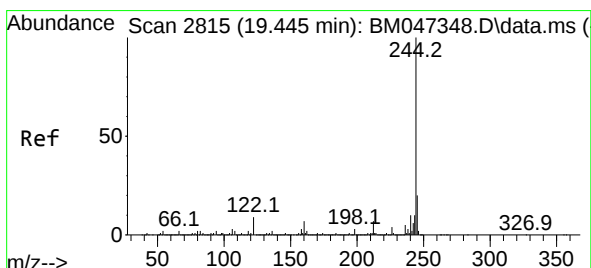
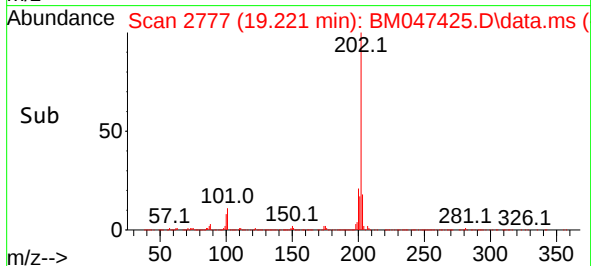
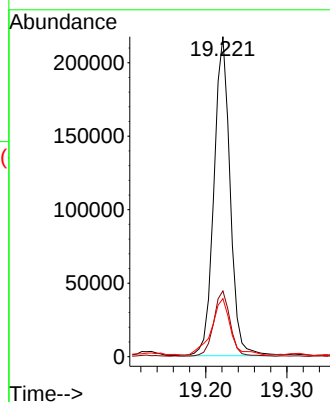
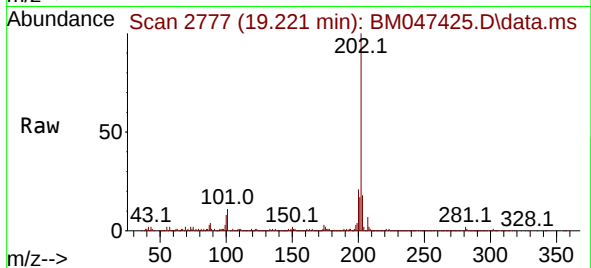
DNB-43

Tgt Ion:202 Resp: 300508
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.7 25.1
 203 18.1 14.2 21.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/04/2024
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#79

Terphenyl-d14

Concen: 36.200 ng

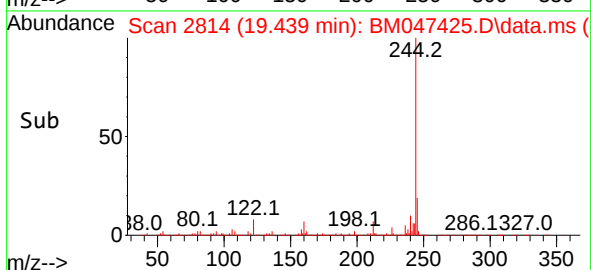
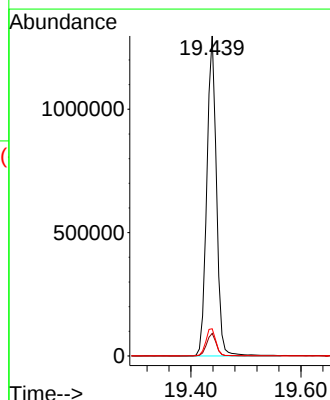
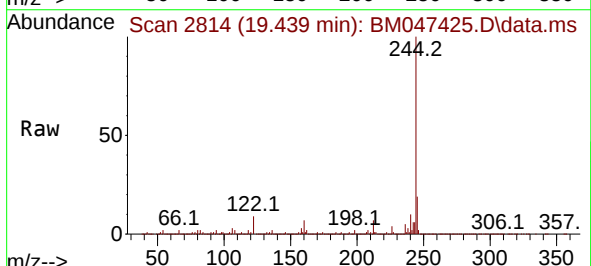
RT: 19.439 min Scan# 2814

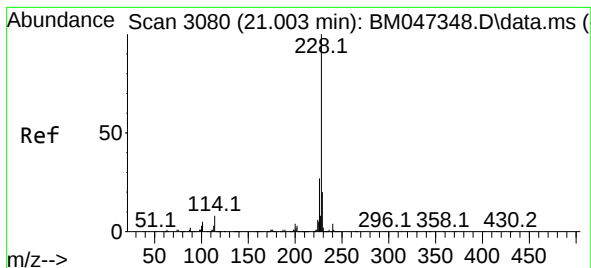
Delta R.T. -0.006 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Tgt Ion:244 Resp: 1580863
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.5 7.0 10.4





#81

Benzo(a)anthracene

Concen: 3.256 ng

RT: 21.003 min Scan# 3080

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

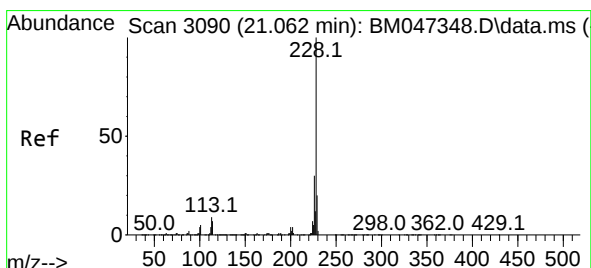
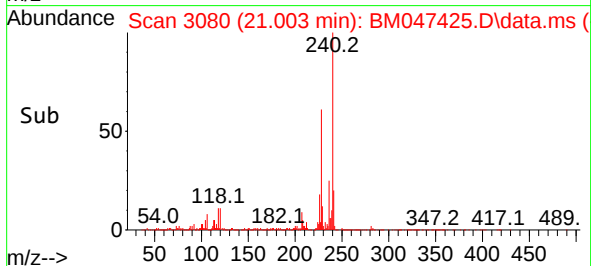
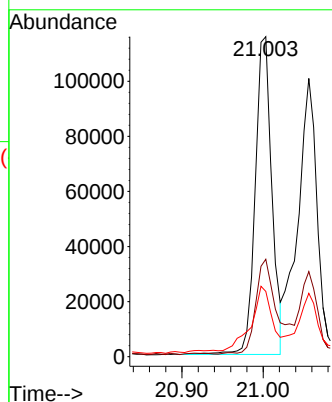
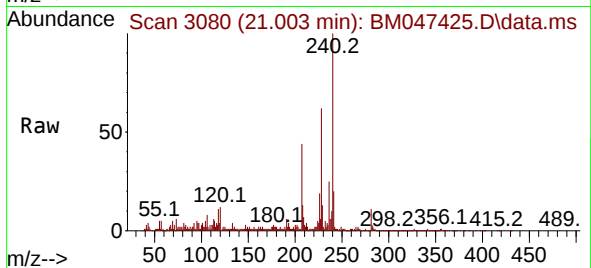
DNB-43

Tgt Ion:228	Resp: 16506
Ion Ratio	Lower Upper
228	100
226	30.5 21.4 32.0
229	20.4 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#83

Chrysene

Concen: 3.578 ng m

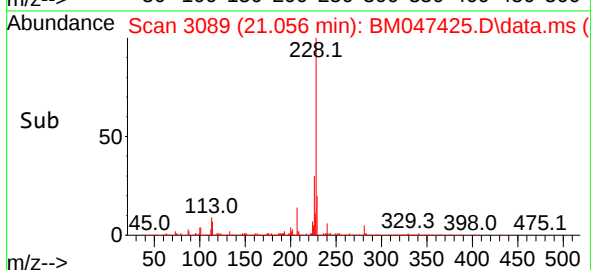
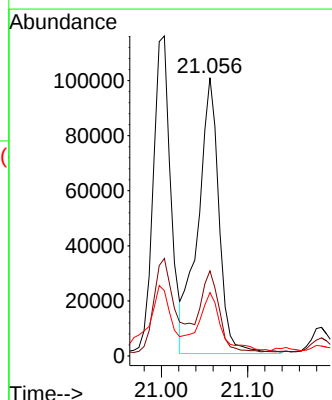
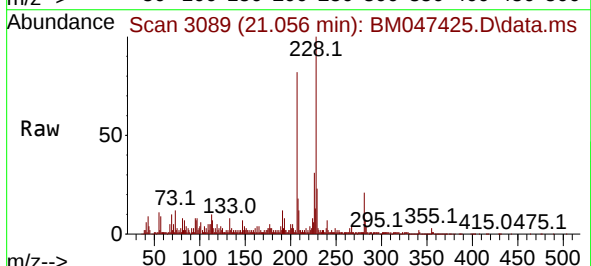
RT: 21.056 min Scan# 3089

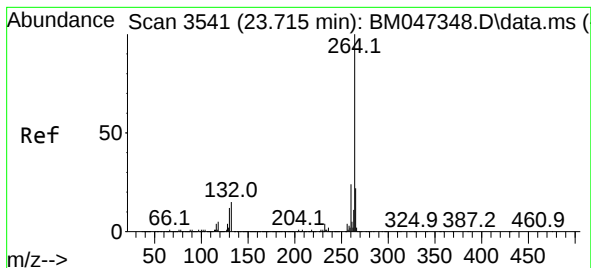
Delta R.T. -0.006 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Tgt Ion:228	Resp: 170628
Ion Ratio	Lower Upper
228	100
226	30.6 24.0 36.0
229	22.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.715 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

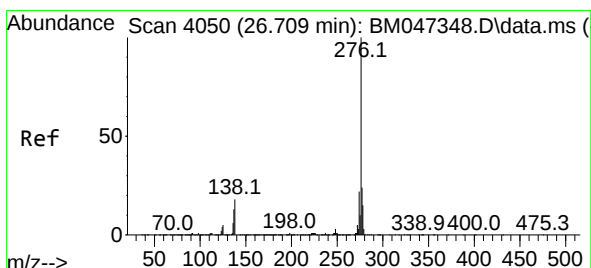
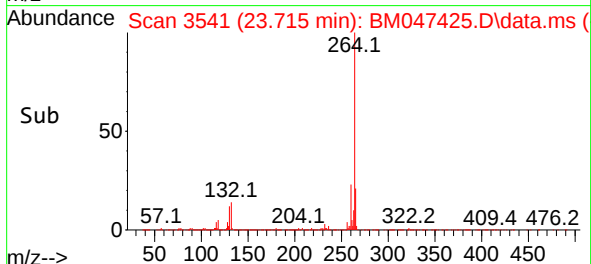
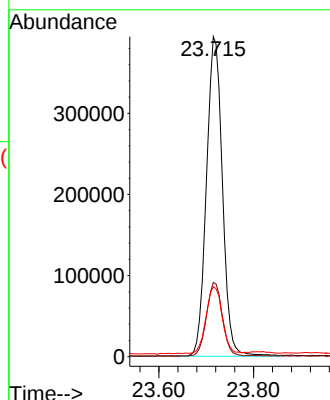
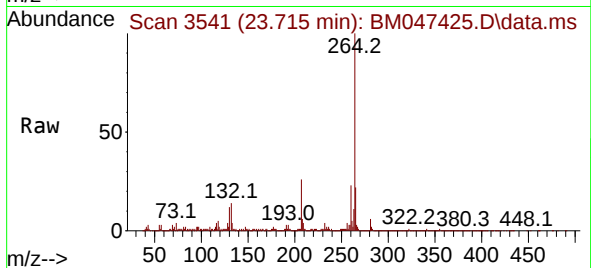
DNB-43

Tgt Ion:	264	Resp:	92342
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.4
265	21.9	17.8	26.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.114 ng

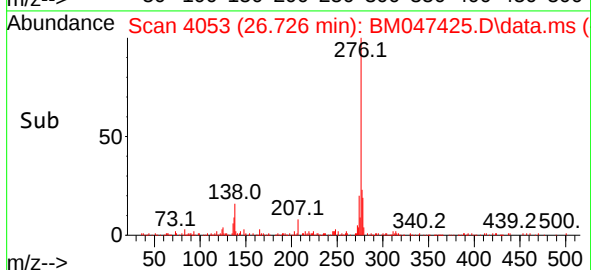
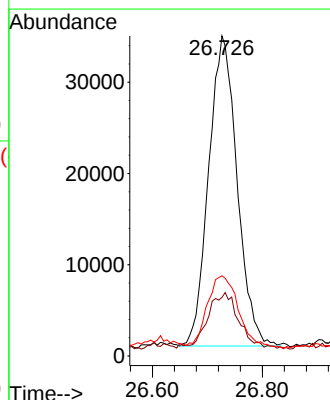
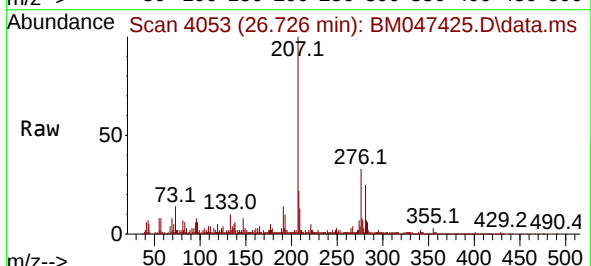
RT: 26.726 min Scan# 4053

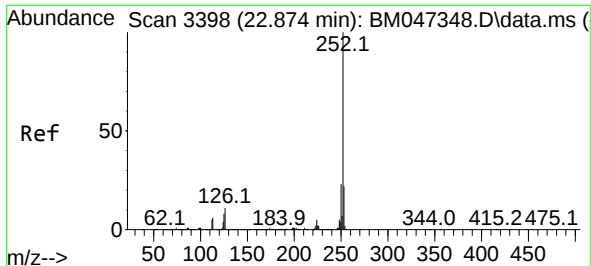
Delta R.T. 0.018 min

Lab File: BM047425.D

Acq: 03 Sep 2024 14:45

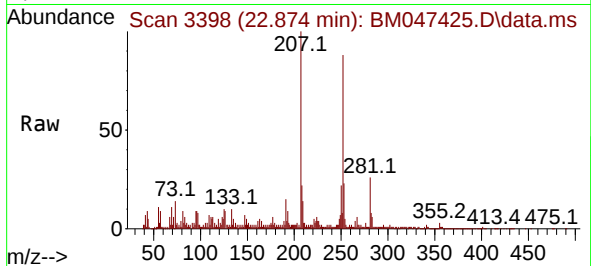
Tgt Ion:	276	Resp:	122192
Ion Ratio	Lower	Upper	
276	100		
138	19.9	17.7	26.5
277	26.5	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 4.282 ng
RT: 22.874 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45

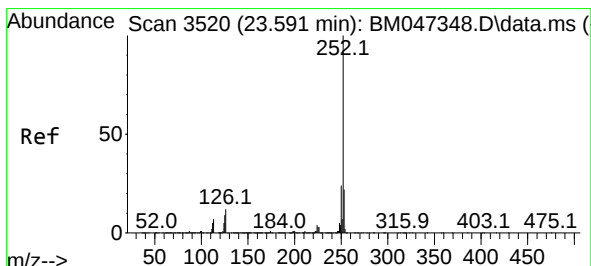
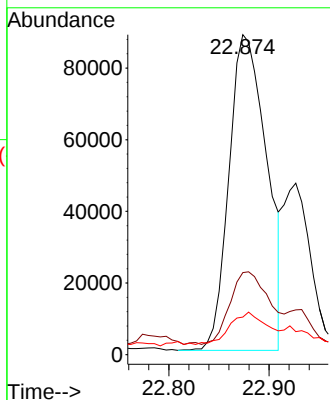
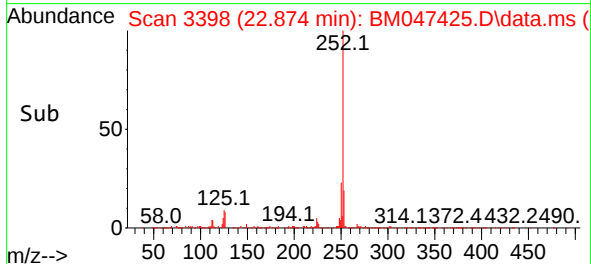
Instrument :
BNA_M
ClientSampleId :
DNB-43



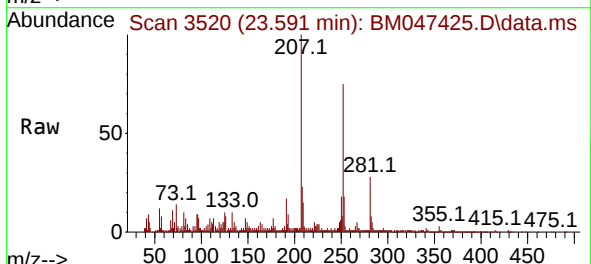
Tgt Ion:252 Resp: 230694
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.6
125 11.8 6.6 10.0

Manual Integrations
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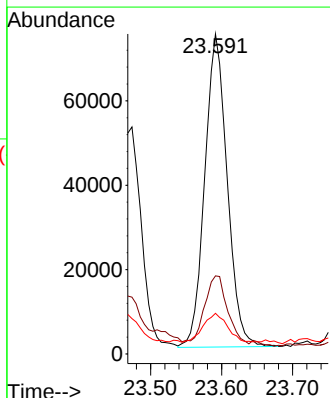
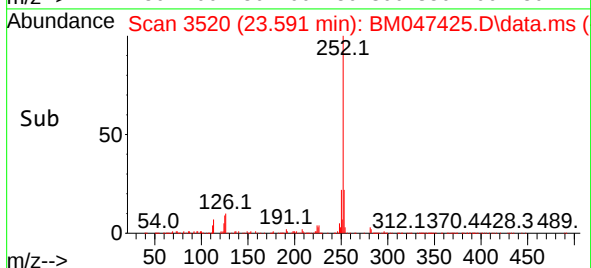
Reviewed By :Jagrut Upadhyay 09/04/2024
Supervised By :mohammad ahmed 09/06/2024

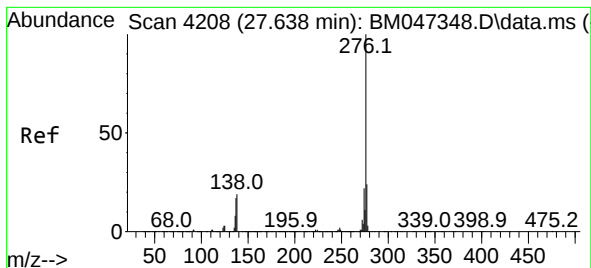


#90
Benzo(a)pyrene
Concen: 3.498 ng
RT: 23.591 min Scan# 3520
Delta R.T. -0.000 min
Lab File: BM047425.D
Acq: 03 Sep 2024 14:45



Tgt Ion:252 Resp: 162971
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 12.7 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 2.484 ng

RT: 27.668 min Scan# 41

Delta R.T. 0.029 min

Lab File: BM047425.D

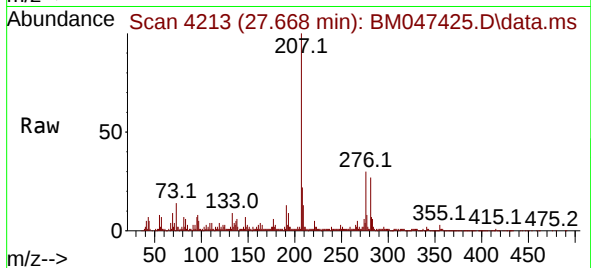
Acq: 03 Sep 2024 14:45

Instrument :

BNA_M

ClientSampleId :

DNB-43



Tgt Ion: 276 Resp: 12093

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.0

138 20.3 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/04/2024

Supervised By :mohammad ahmed 09/06/2024

