

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090524\
 Data File : BM047452.D
 Acq On : 05 Sep 2024 18:05
 Operator : RC/JU
 Sample : P3838-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-01-0902424

Quant Time: Sep 05 18:47:35 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)

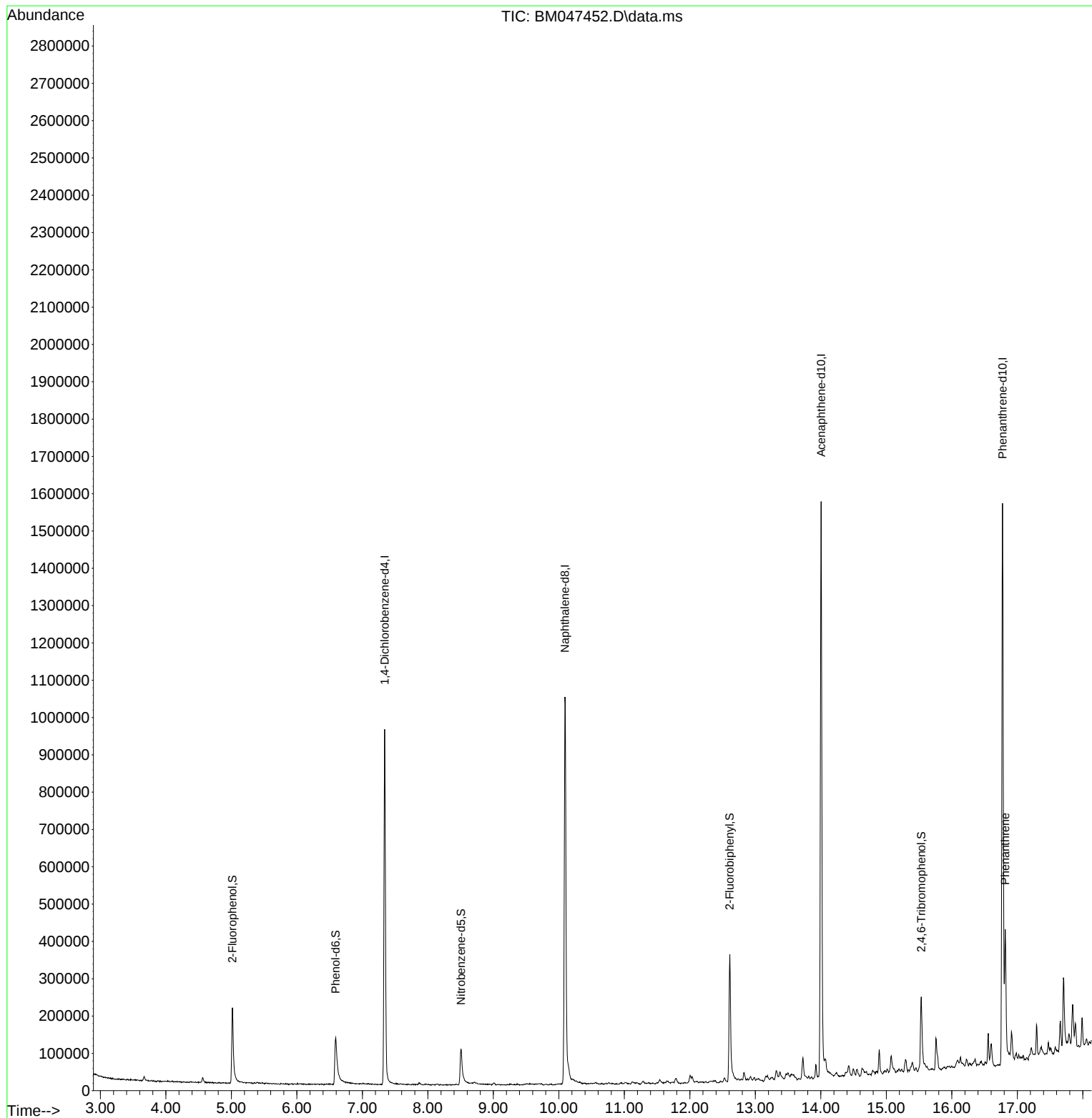
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.340	152	287815	20.000	ng	-0.01
21) Naphthalene-d8	10.092	136	1009843	20.000	ng	-0.01
39) Acenaphthene-d10	14.004	164	618309	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1069916	20.000	ng	0.00
76) Chrysene-d12	21.015	240	833424	20.000	ng	0.00
86) Perylene-d12	23.721	264	975621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	116904	7.793	ng	0.01
7) Phenol-d6	6.593	99	136357	6.672	ng	0.02
23) Nitrobenzene-d5	8.504	82	88886	4.884	ng	0.00
42) 2,4,6-Tribromophenol	15.533	330	50754	6.804	ng	0.00
45) 2-Fluorobiphenyl	12.610	172	239475	5.951	ng	0.00
79) Terphenyl-d14	19.439	244	268363	5.731	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	16.816	178	218170	4.199	ng	99
75) Fluoranthene	18.857	202	229227	3.757	ng	98
78) Pyrene	19.221	202	245610	3.842	ng	98
81) Benzo(a)anthracene	21.003	228	110735	2.037	ng	# 89
83) Chrysene	21.056	228	110746	2.166	ng	95
88) Benzo(b)fluoranthene	22.886	252	120714	2.121	ng	# 81

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

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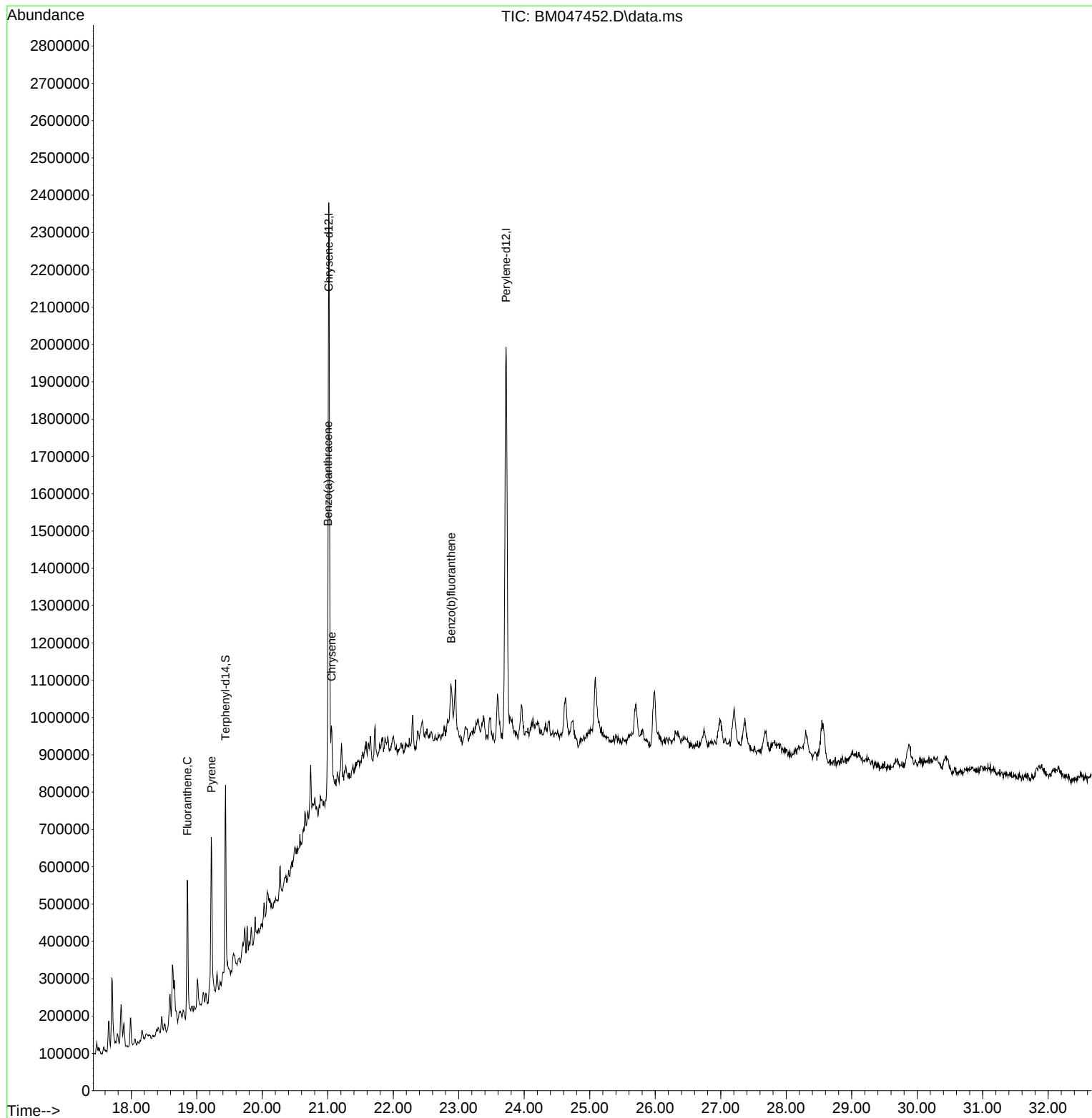
Quant Time: Sep 05 18:47:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 26 18:11:40 2024
Response via : Initial Calibration

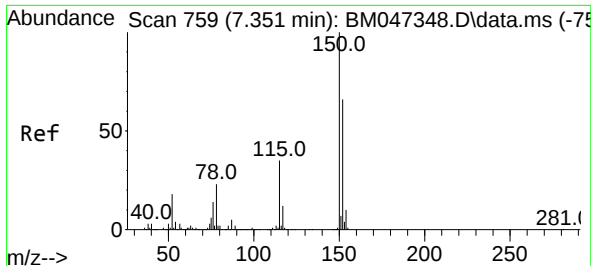


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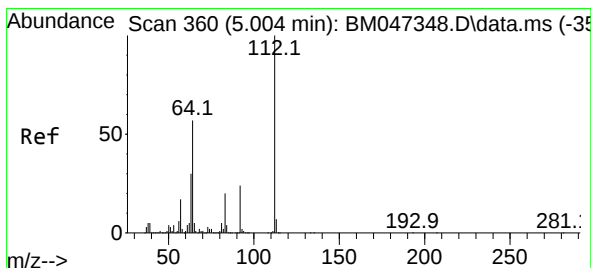
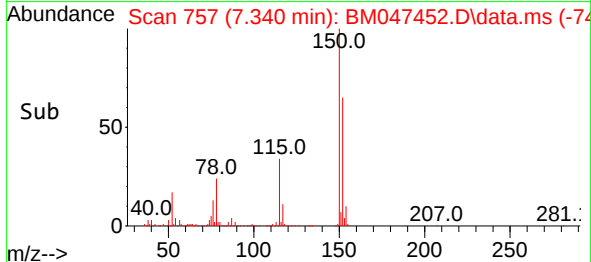
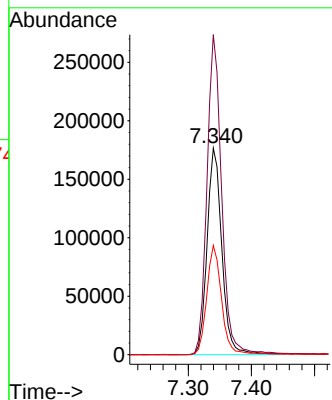
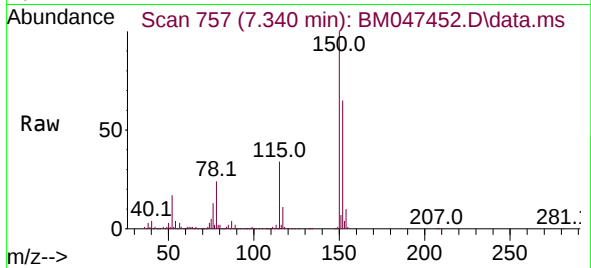




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.340 min Scan# 71
Delta R.T. -0.011 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

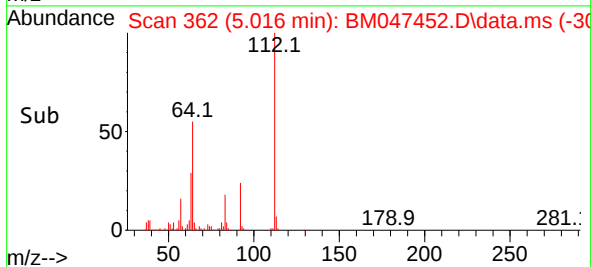
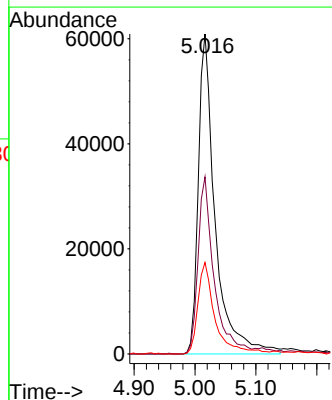
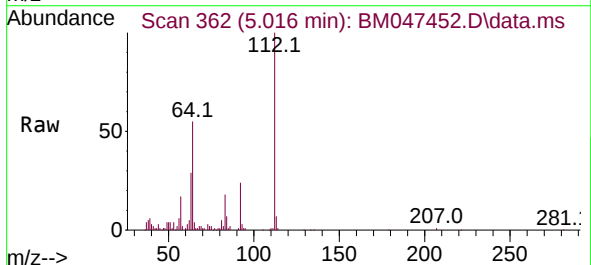
Instrument :
BNA_M
ClientSampleId :
OK-01-0902424

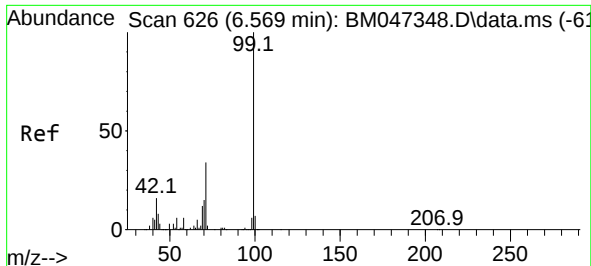
Tgt Ion:152 Resp: 287815
Ion Ratio Lower Upper
152 100
150 154.9 121.3 181.9
115 52.8 42.6 64.0



#5
2-Fluorophenol
Concen: 7.793 ng
RT: 5.016 min Scan# 362
Delta R.T. 0.012 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

Tgt Ion:112 Resp: 116904
Ion Ratio Lower Upper
112 100
64 55.3 45.7 68.5
63 28.6 23.8 35.8

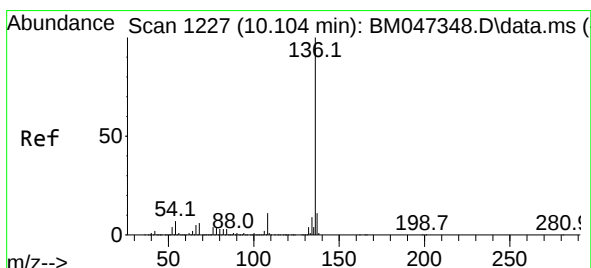
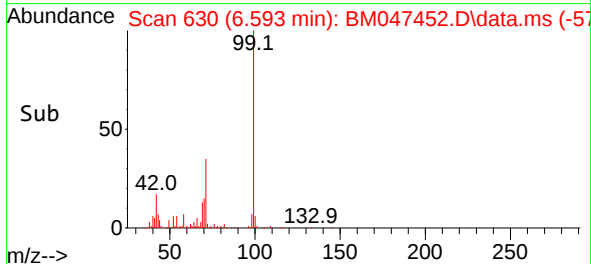
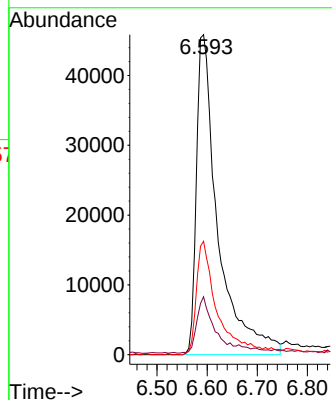
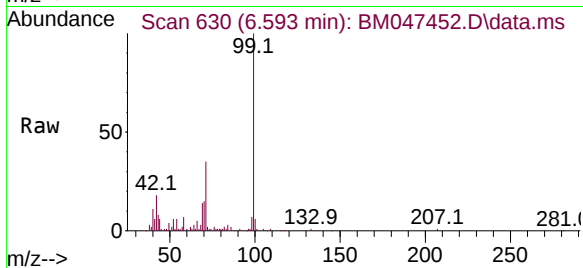




#7
Phenol-d6
Concen: 6.672 ng
RT: 6.593 min Scan# 61
Delta R.T. 0.024 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

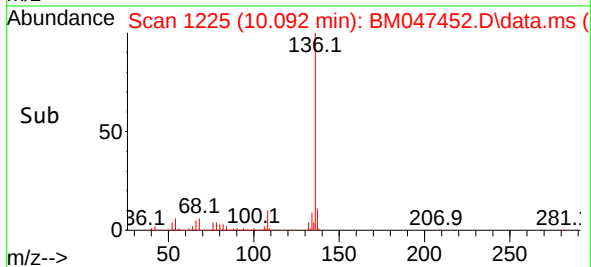
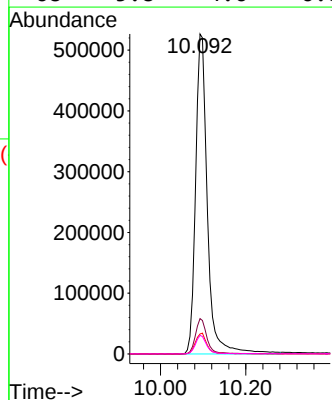
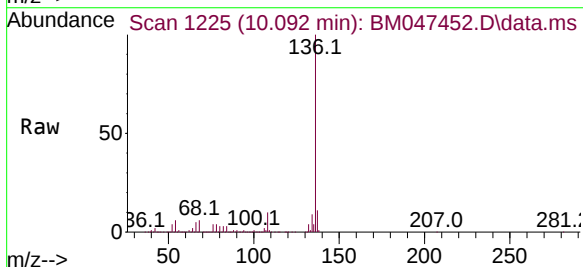
Instrument :
BNA_M
ClientSampleId :
OK-01-0902424

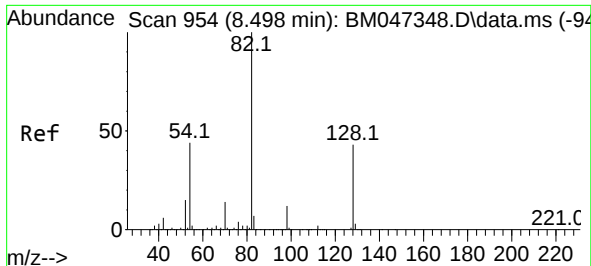
Tgt Ion: 99 Resp: 136357
Ion Ratio Lower Upper
99 100
42 18.1 13.0 19.4
71 35.5 27.5 41.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.092 min Scan# 1225
Delta R.T. -0.012 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

Tgt Ion: 136 Resp: 1009843
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.2 5.2 7.8
68 5.8 4.6 6.8

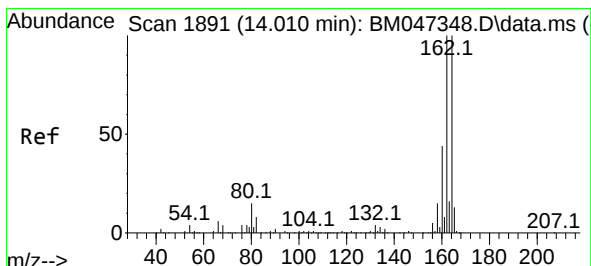
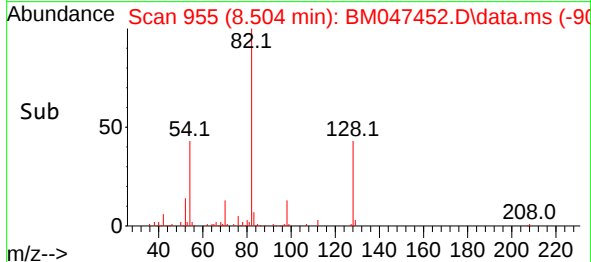
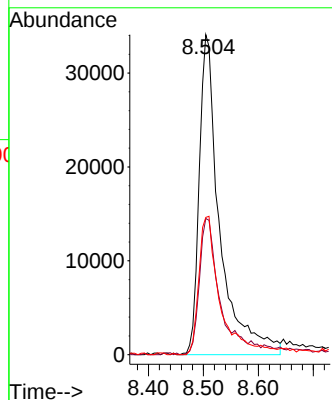
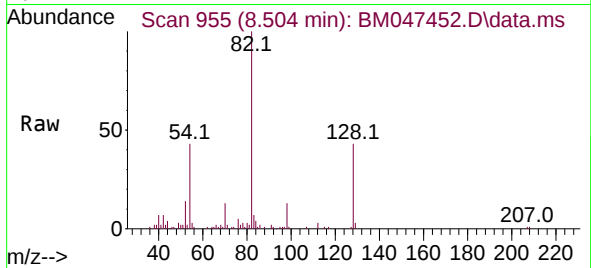




#23
Nitrobenzene-d5
Concen: 4.884 ng
RT: 8.504 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

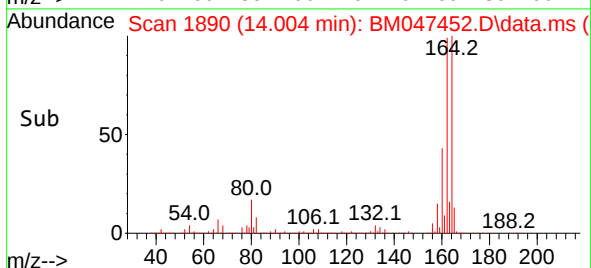
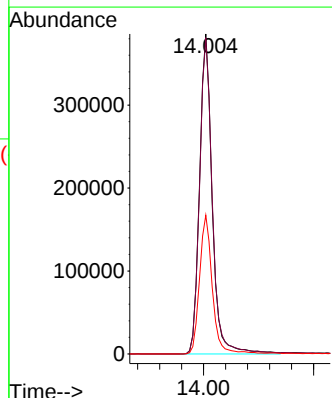
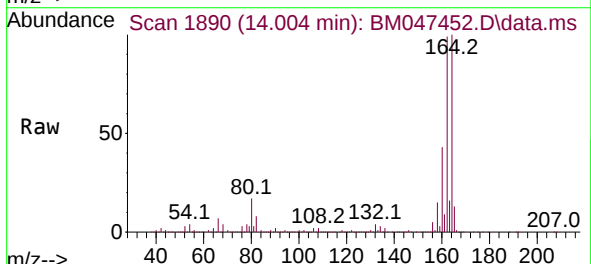
Instrument :
BNA_M
ClientSampleId :
OK-01-0902424

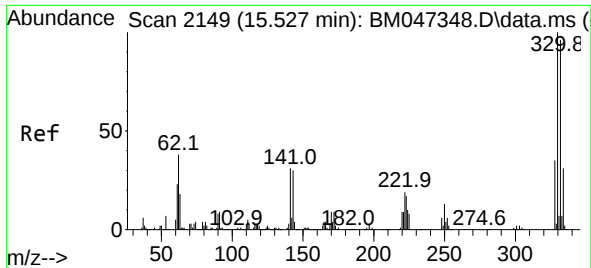
Tgt Ion: 82 Resp: 88886
Ion Ratio Lower Upper
82 100
128 42.6 34.6 51.8
54 42.9 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.004 min Scan# 1890
Delta R.T. -0.006 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

Tgt Ion: 164 Resp: 618309
Ion Ratio Lower Upper
164 100
162 98.8 79.7 119.5
160 43.3 34.9 52.3

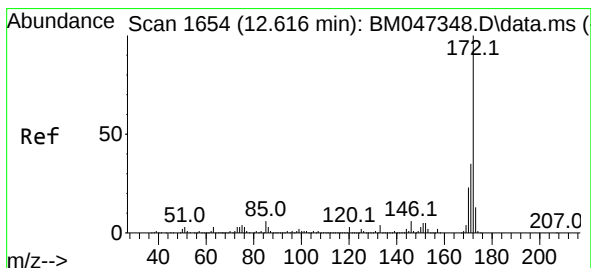
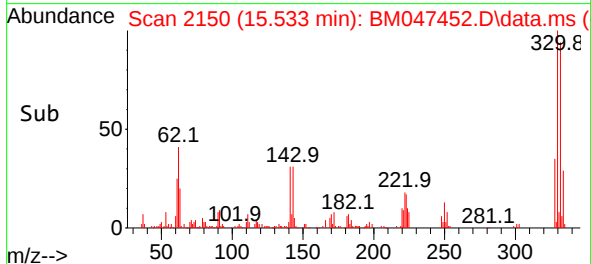
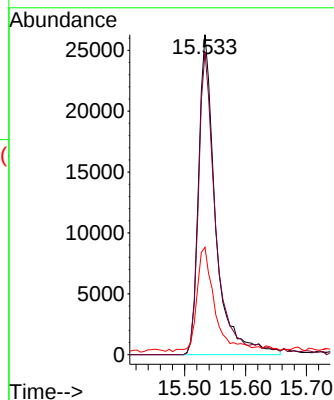
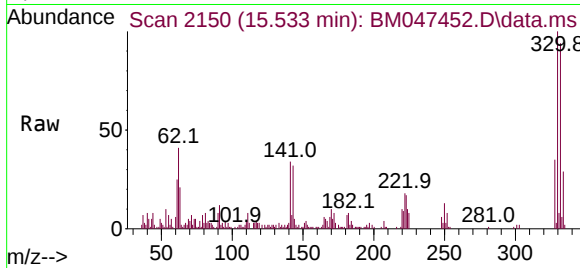




#42
 2,4,6-Tribromophenol
 Concen: 6.804 ng
 RT: 15.533 min Scan# 2149
 Delta R.T. 0.006 min
 Lab File: BM047452.D
 Acq: 05 Sep 2024 18:05

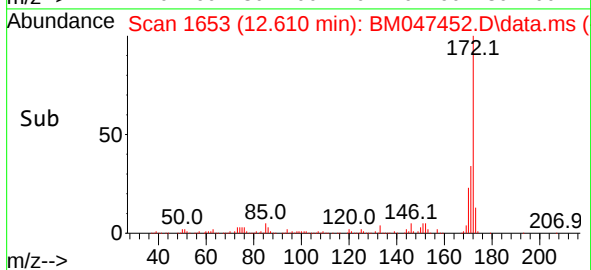
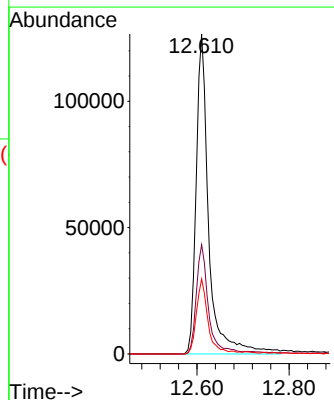
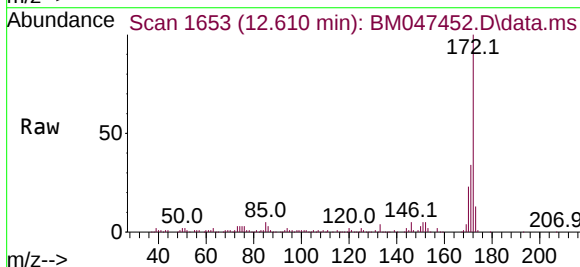
Instrument :
 BNA_M
 ClientSampleId :
 OK-01-0902424

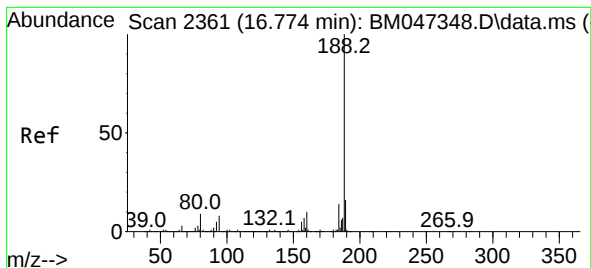
Tgt Ion:330 Resp: 50754
 Ion Ratio Lower Upper
 330 100
 332 92.7 77.2 115.8
 141 34.5 27.6 41.4



#45
 2-Fluorobiphenyl
 Concen: 5.951 ng
 RT: 12.610 min Scan# 1653
 Delta R.T. -0.006 min
 Lab File: BM047452.D
 Acq: 05 Sep 2024 18:05

Tgt Ion:172 Resp: 239475
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.8 41.6
 170 23.4 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: BM047452.D

Acq: 05 Sep 2024 18:05

Instrument :

BNA_M

ClientSampleId :

OK-01-0902424

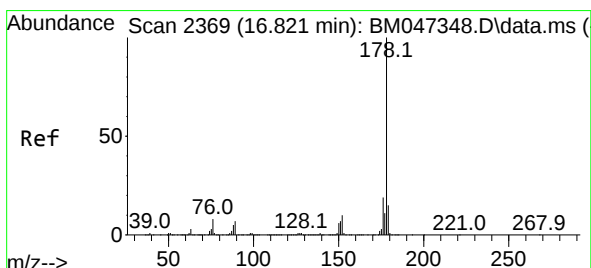
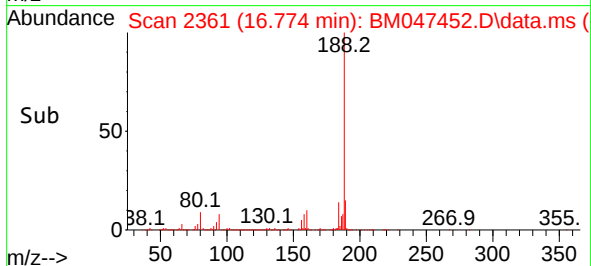
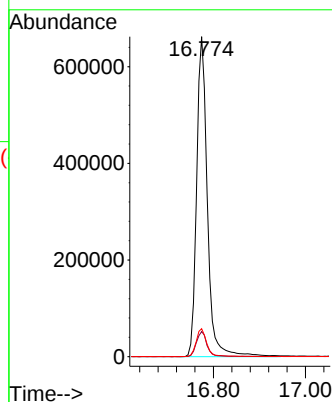
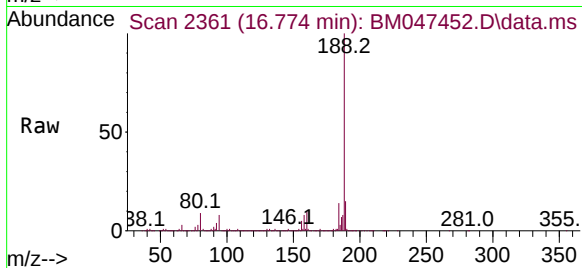
Tgt Ion:188 Resp: 1069916

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.7 7.4 11.2



#71

Phenanthrene

Concen: 4.199 ng

RT: 16.816 min Scan# 2368

Delta R.T. -0.006 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

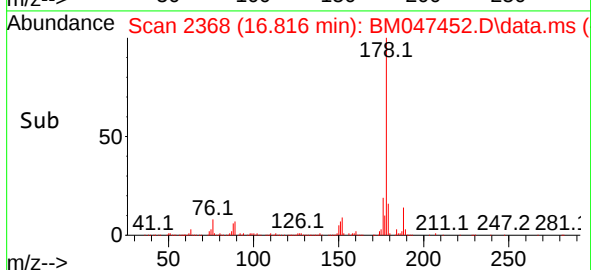
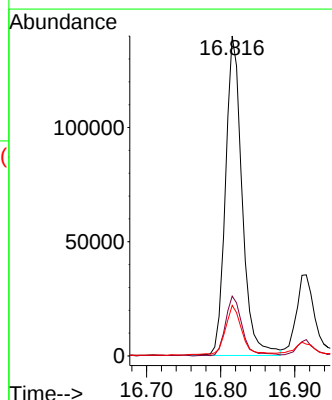
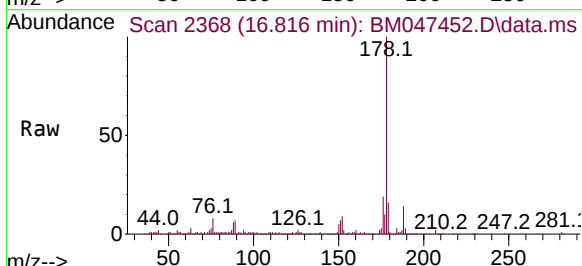
Tgt Ion:178 Resp: 218170

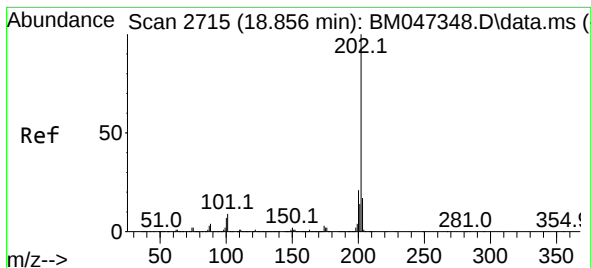
Ion Ratio Lower Upper

178 100

176 18.7 15.2 22.8

179 15.8 12.2 18.4





#75

Fluoranthene

Concen: 3.757 ng

RT: 18.857 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

Instrument :

BNA_M

ClientSampleId :

OK-01-0902424

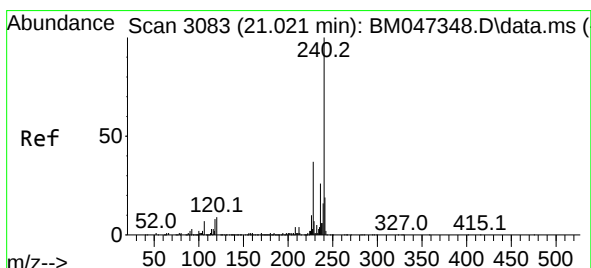
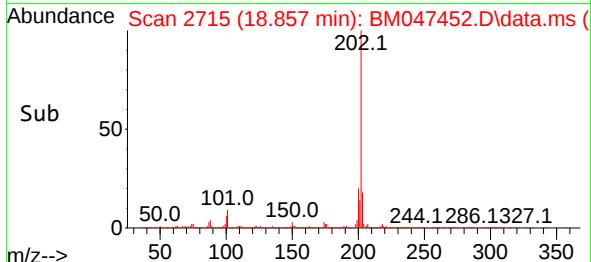
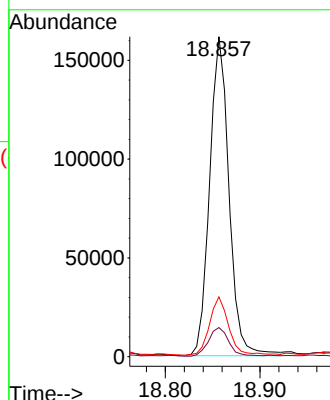
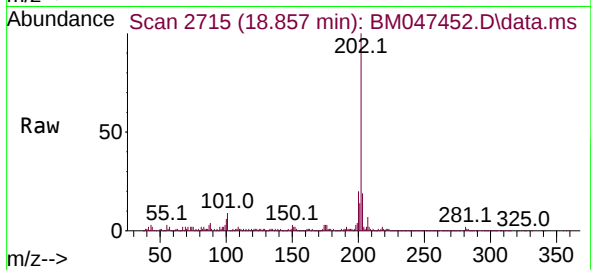
Tgt Ion:202 Resp: 229227

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.0

203 18.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.015 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

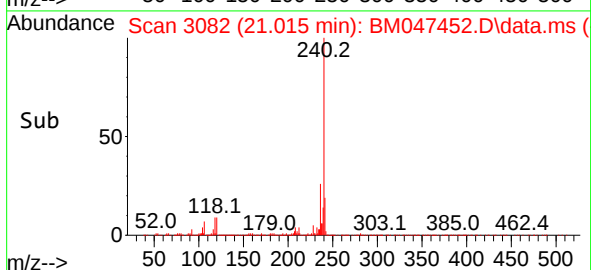
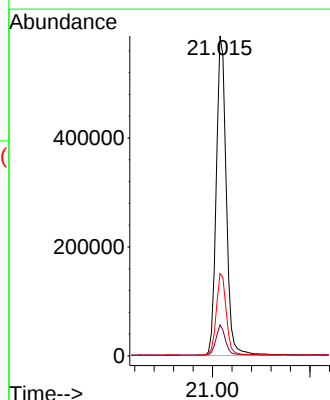
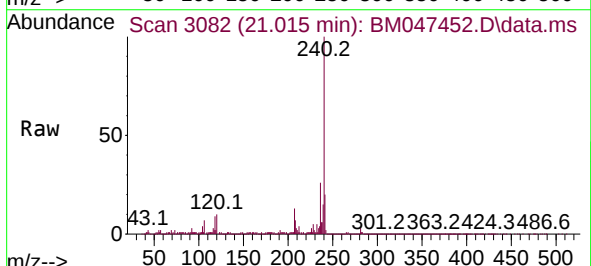
Tgt Ion:240 Resp: 833424

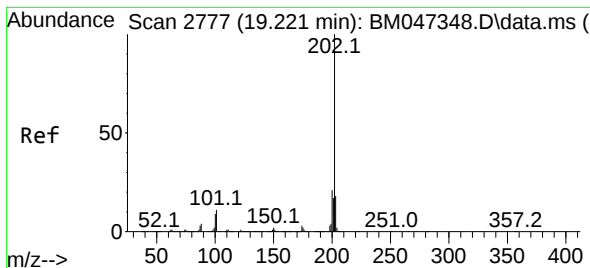
Ion Ratio Lower Upper

240 100

120 9.7 7.4 11.0

236 25.8 20.8 31.2





#78

Pyrene

Concen: 3.842 ng

RT: 19.221 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

Instrument :

BNA_M

ClientSampleId :

OK-01-0902424

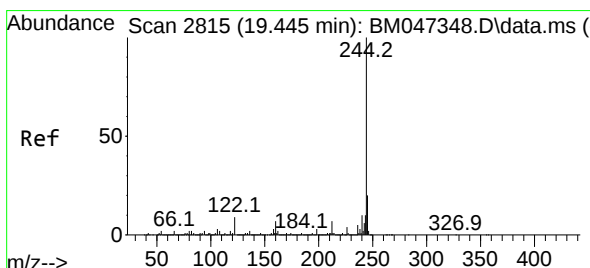
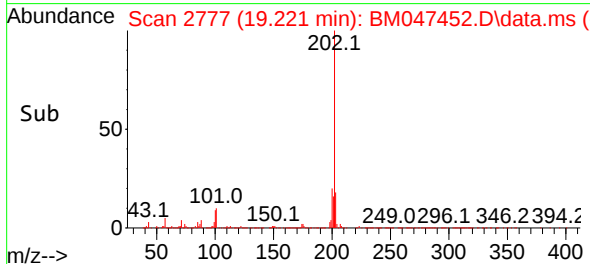
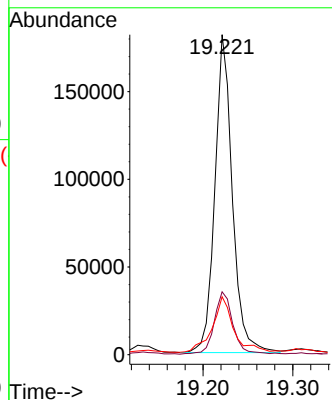
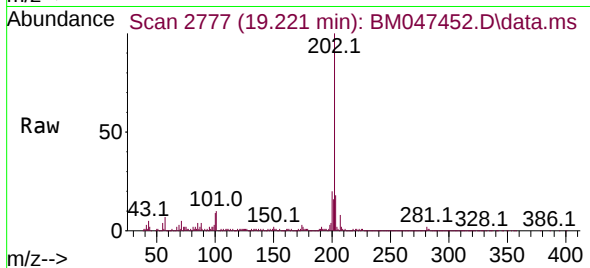
Tgt Ion:202 Resp: 245610

Ion Ratio Lower Upper

202 100

200 19.7 16.7 25.1

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 5.731 ng

RT: 19.439 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

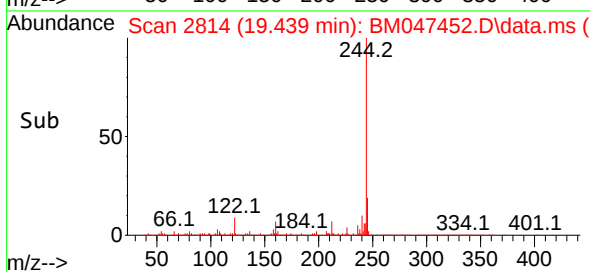
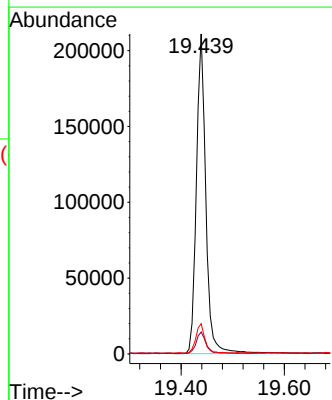
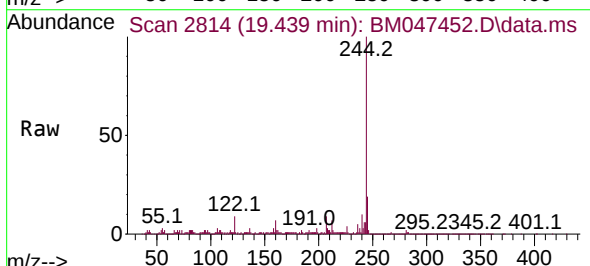
Tgt Ion:244 Resp: 268363

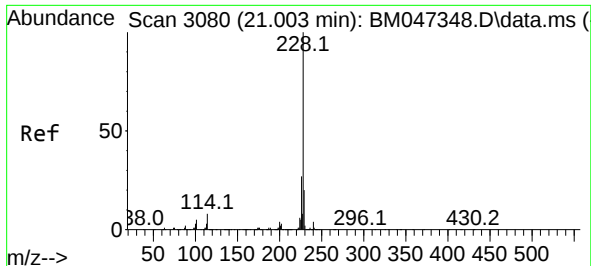
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.5 7.0 10.4

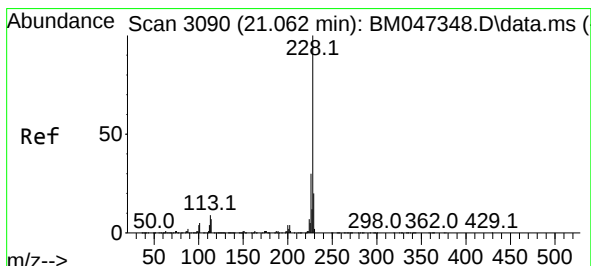
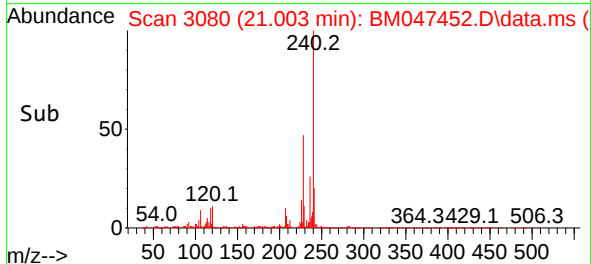
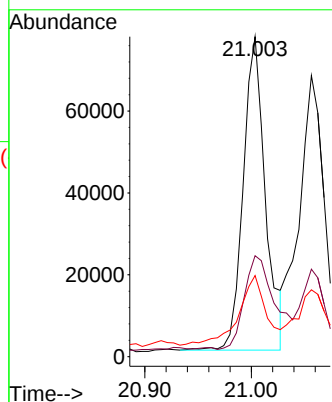
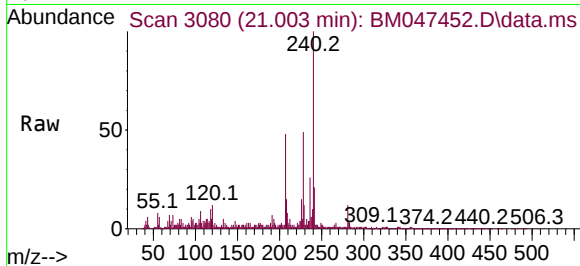




#81
Benzo(a)anthracene
Concen: 2.037 ng
RT: 21.003 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

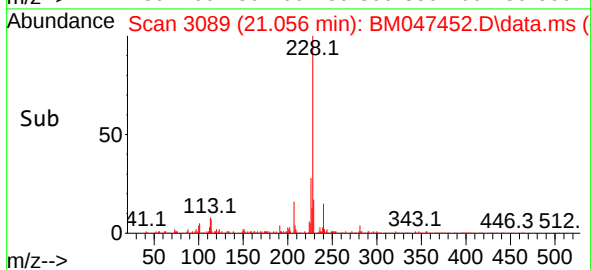
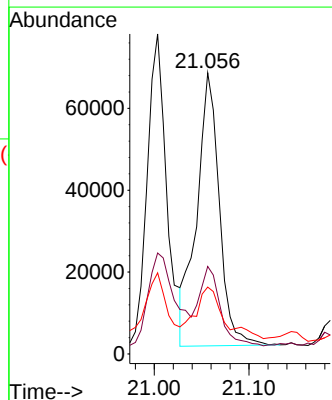
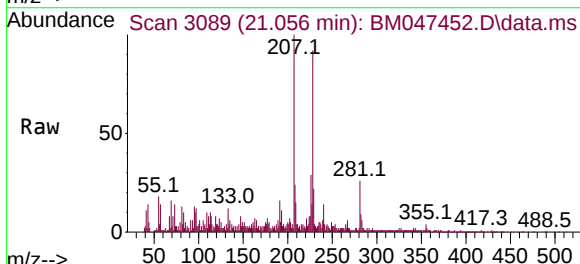
Instrument :
BNA_M
ClientSampleId :
OK-01-0902424

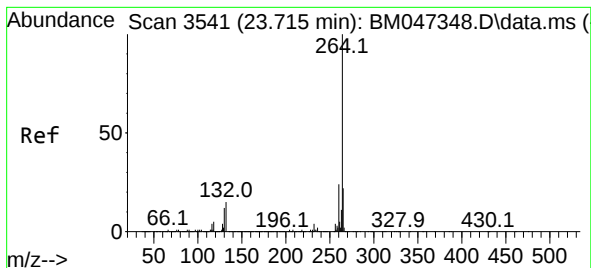
Tgt Ion:228 Resp: 110735
Ion Ratio Lower Upper
228 100
226 31.5 21.4 32.0
229 25.4 15.8 23.8#



#83
Chrysene
Concen: 2.166 ng
RT: 21.056 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM047452.D
Acq: 05 Sep 2024 18:05

Tgt Ion:228 Resp: 110746
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 23.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.721 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

Instrument :

BNA_M

ClientSampleId :

OK-01-0902424

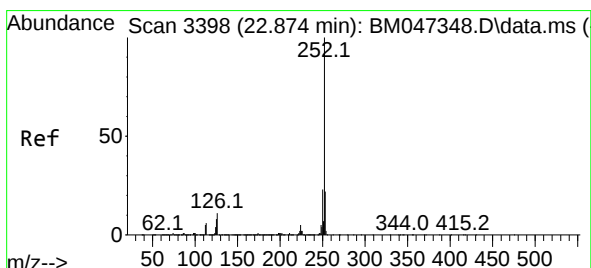
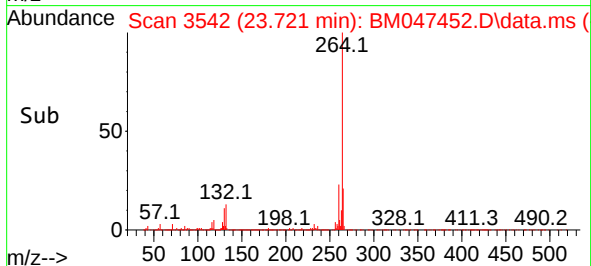
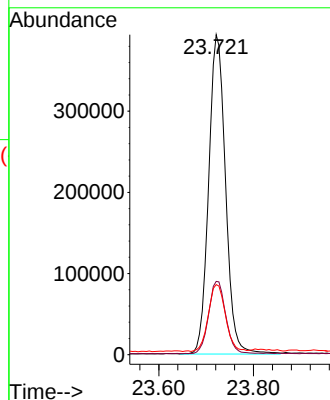
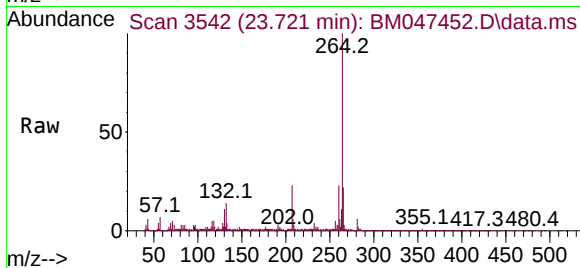
Tgt Ion:264 Resp: 975621

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.9 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 2.121 ng

RT: 22.886 min Scan# 3400

Delta R.T. 0.012 min

Lab File: BM047452.D

Acq: 05 Sep 2024 18:05

Tgt Ion:252 Resp: 120714

Ion Ratio Lower Upper

252 100

253 30.8 17.8 26.6#

125 15.8 6.6 10.0#

