

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082824\
 Data File : BM047379.D
 Acq On : 28 Aug 2024 13:43
 Operator : RC/JU
 Sample : P3746-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DNB-44-COMPOSITE

Quant Time: Aug 28 14:20:34 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)

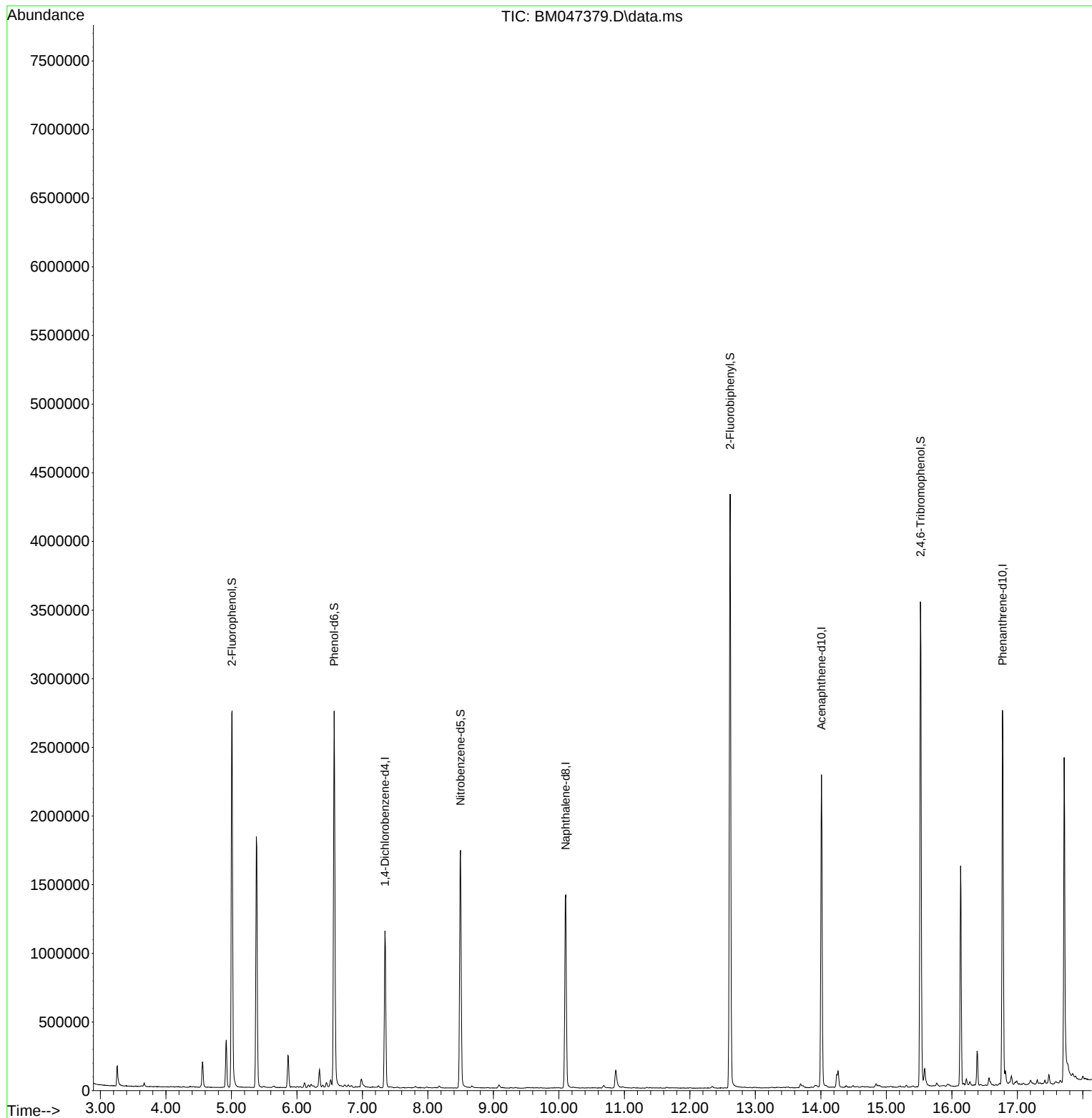
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.345	152	317925	20.000	ng	0.00
21) Naphthalene-d8	10.104	136	1218336	20.000	ng	0.00
39) Acenaphthene-d10	14.010	164	813395	20.000	ng	0.00
64) Phenanthrene-d10	16.774	188	1636106	20.000	ng	0.00
76) Chrysene-d12	21.021	240	1223183	20.000	ng	0.00
86) Perylene-d12	23.721	264	1264237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.010	112	1237263	74.664	ng	0.00
7) Phenol-d6	6.569	99	1628192	72.126	ng	0.00
23) Nitrobenzene-d5	8.498	82	1049999	47.819	ng	0.00
42) 2,4,6-Tribromophenol	15.521	330	702094	71.544	ng	0.00
45) 2-Fluorobiphenyl	12.616	172	2426950	45.845	ng	0.00
79) Terphenyl-d14	19.445	244	3013292	43.849	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.516	77	13874	Below Cal	#	77
75) Fluoranthene	18.856	202	190117	2.038	ng	100
81) Benzo(a)anthracene	21.003	228	190722	2.391	ng	97
83) Chrysene	21.062	228	234065	3.119	ng	99
88) Benzo(b)fluoranthene	22.880	252	256884	3.483	ng	98
89) Benzo(k)fluoranthene	22.933	252	170740	2.442	ng	# 97
90) Benzo(a)pyrene	23.591	252	133537	2.094	ng	98

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

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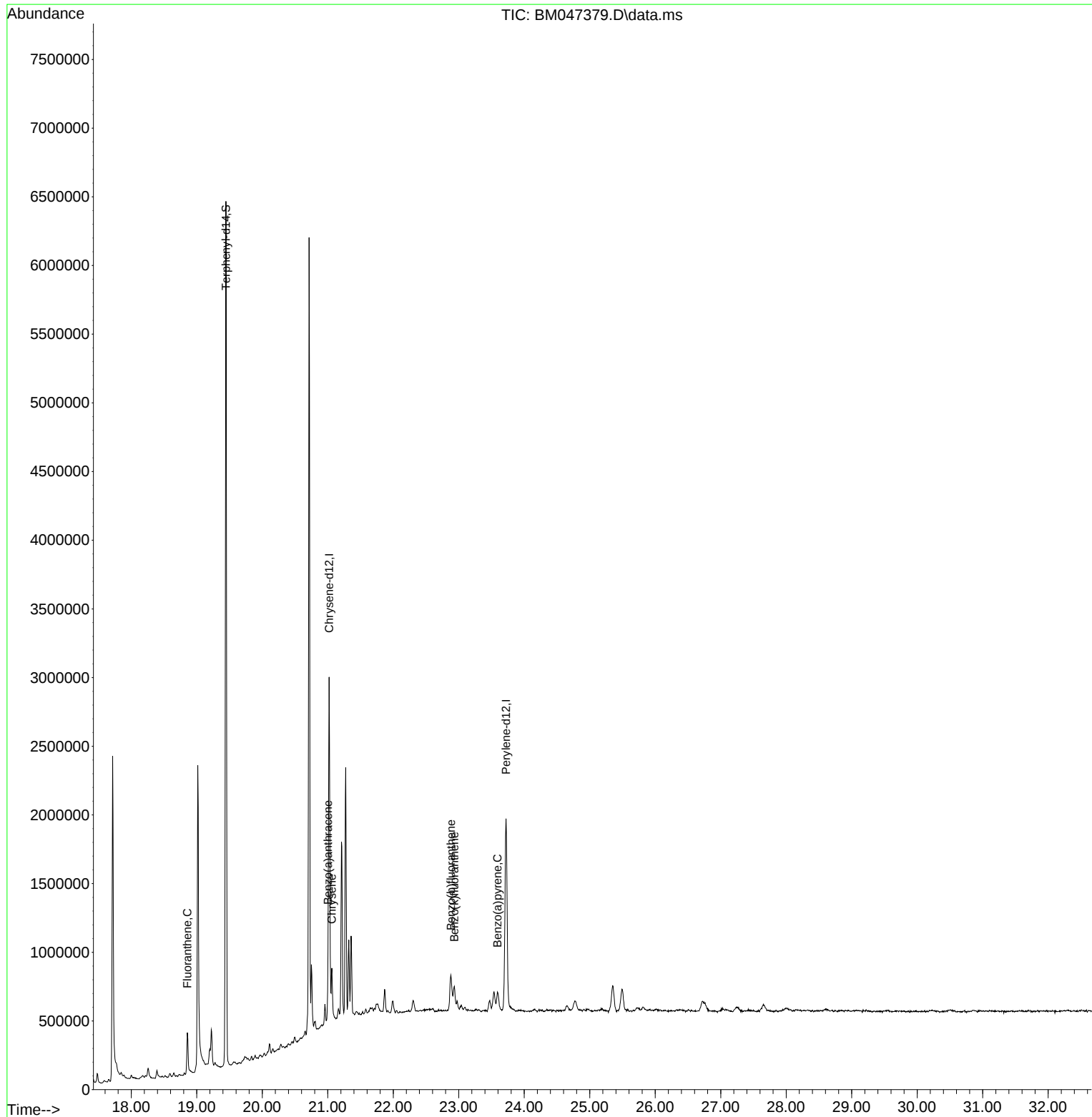
Quant Time: Aug 28 14:20:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082624.M
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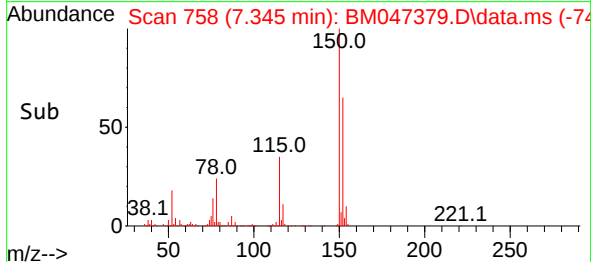
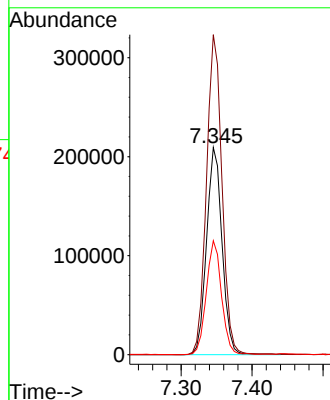
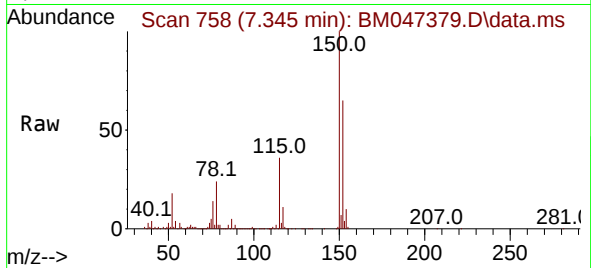




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

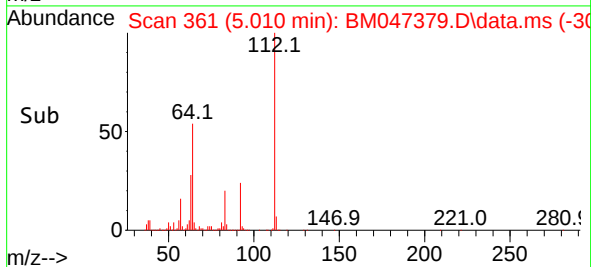
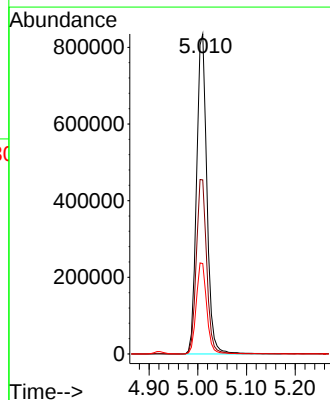
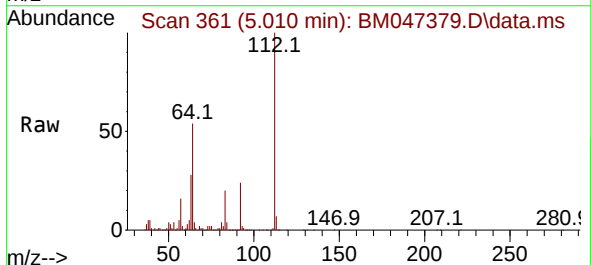
Instrument :
BNA_M
ClientSampleId :
DNB-44-COMPOSITE

Tgt Ion:152 Resp: 317925
Ion Ratio Lower Upper
152 100
150 154.5 121.3 181.9
115 55.0 42.6 64.0



#5
2-Fluorophenol
Concen: 74.664 ng
RT: 5.010 min Scan# 361
Delta R.T. 0.006 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

Tgt Ion:112 Resp: 1237263
Ion Ratio Lower Upper
112 100
64 54.4 45.7 68.5
63 28.2 23.8 35.8

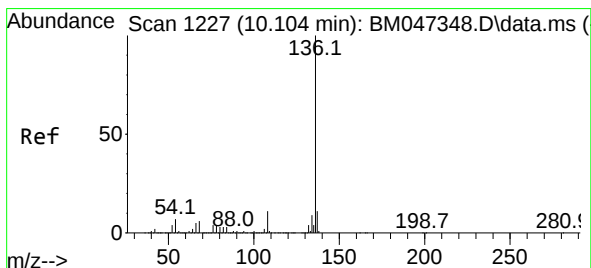
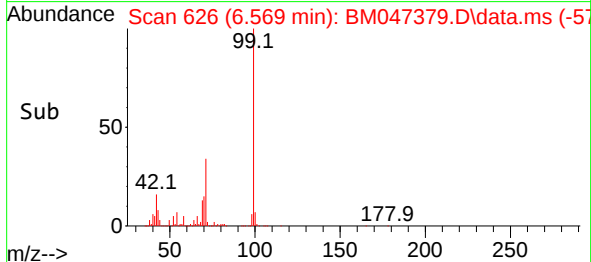
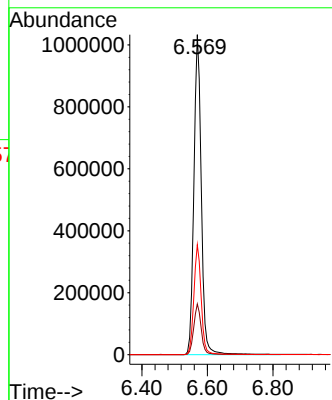
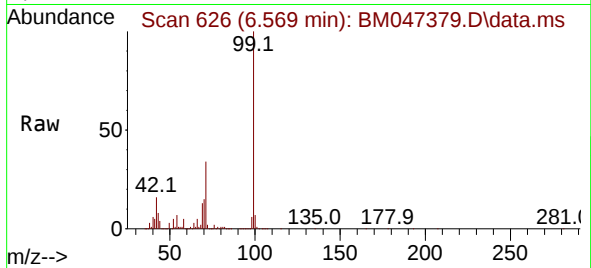




#7
Phenol-d6
Concen: 72.126 ng
RT: 6.569 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

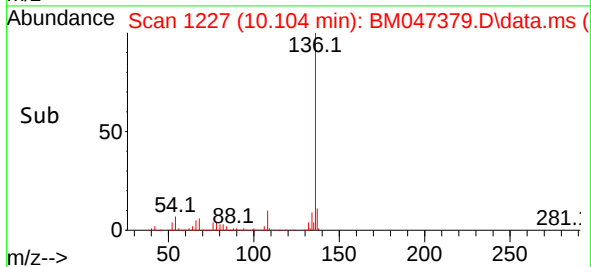
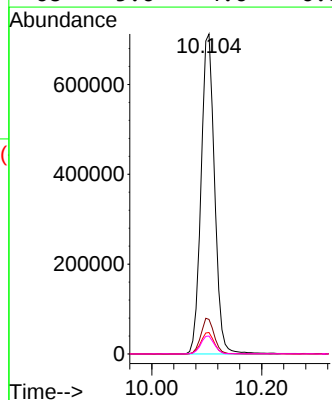
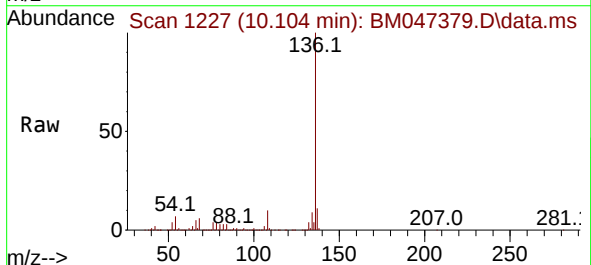
Instrument :
BNA_M
ClientSampleId :
DNB-44-COMPOSITE

Tgt Ion: 99 Resp: 1628192
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 34.4 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: BM047379.D
Acq: 28 Aug 2024 13:43

Tgt Ion: 136 Resp: 1218336
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.7 5.2 7.8
68 5.6 4.6 6.8

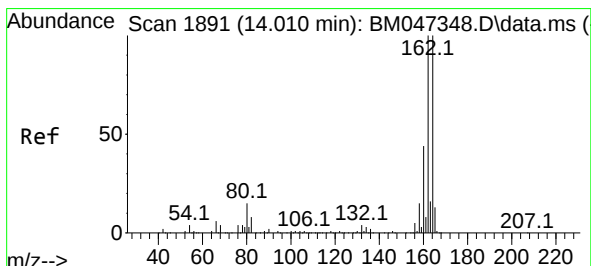
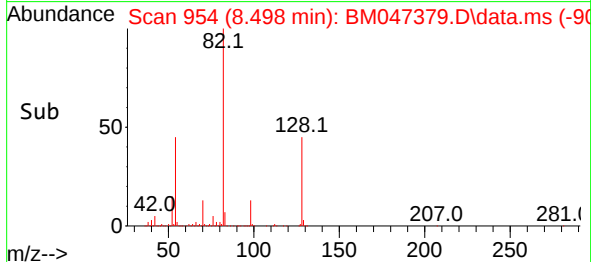
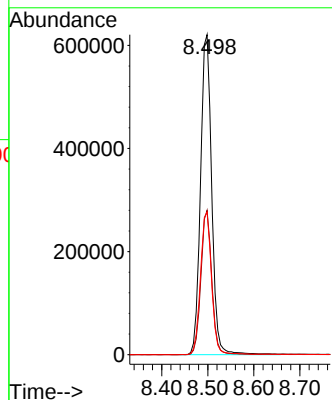
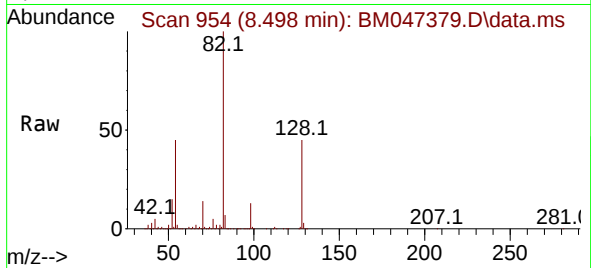




#23
Nitrobenzene-d5
Concen: 47.819 ng
RT: 8.498 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

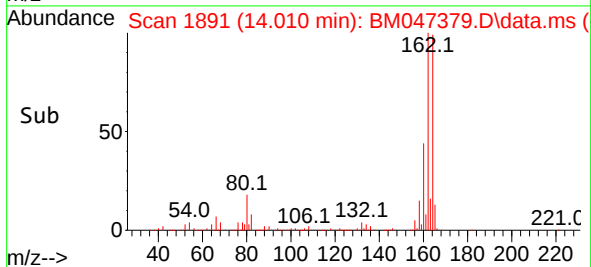
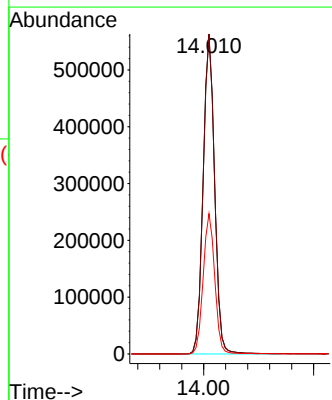
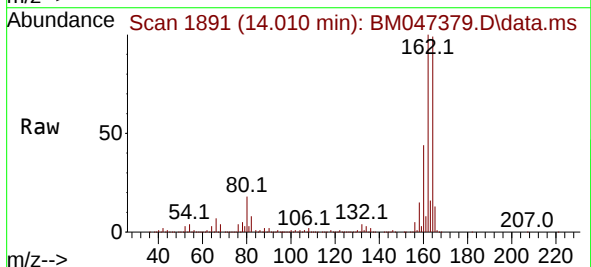
Instrument :
BNA_M
ClientSampleId :
DNB-44-COMPOSITE

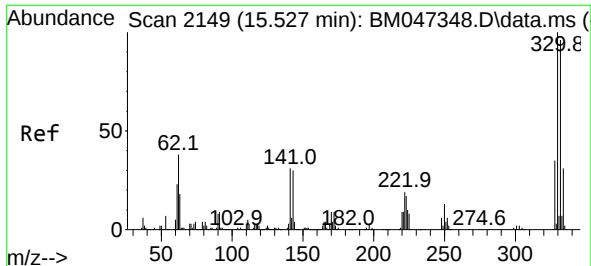
Tgt Ion: 82 Resp: 1049999
Ion Ratio Lower Upper
82 100
128 45.1 34.6 51.8
54 44.6 35.5 53.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.010 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

Tgt Ion: 164 Resp: 813395
Ion Ratio Lower Upper
164 100
162 100.7 79.7 119.5
160 44.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 71.544 ng

RT: 15.521 min Scan# 2149

Delta R.T. -0.006 min

Lab File: BM047379.D

Acq: 28 Aug 2024 13:43

Instrument :

BNA_M

ClientSampleId :

DNB-44-COMPOSITE

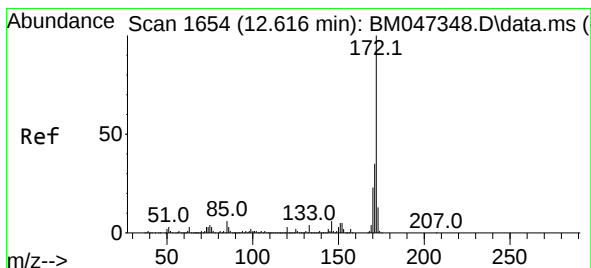
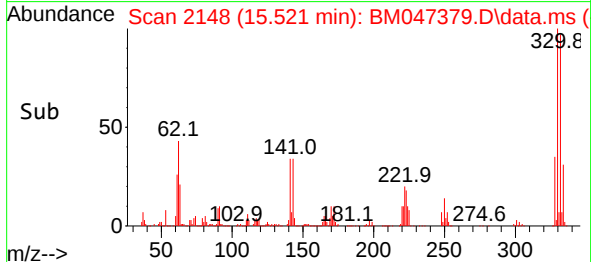
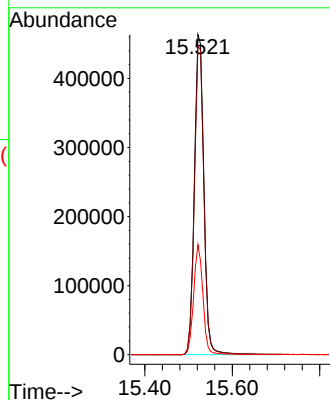
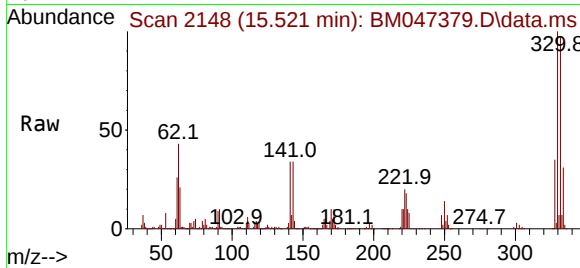
Tgt Ion:330 Resp: 702094

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 33.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 45.845 ng

RT: 12.616 min Scan# 1654

Delta R.T. 0.000 min

Lab File: BM047379.D

Acq: 28 Aug 2024 13:43

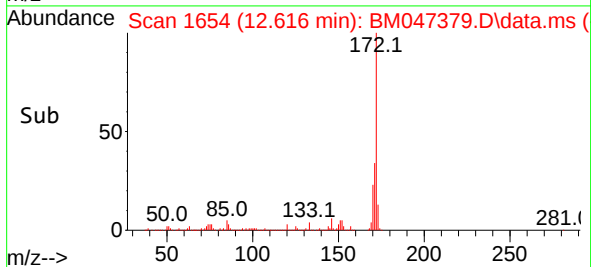
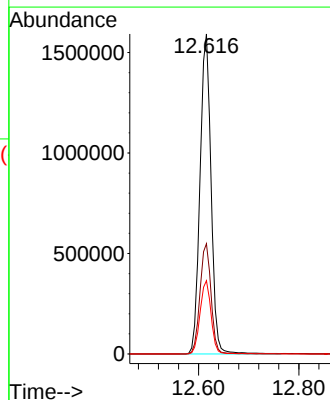
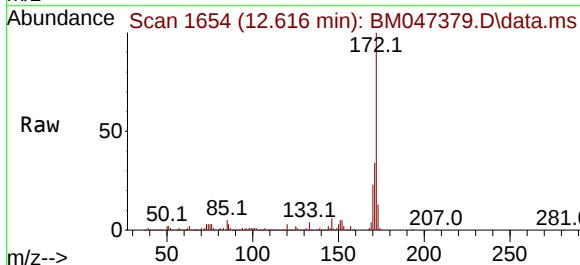
Tgt Ion:172 Resp: 2426950

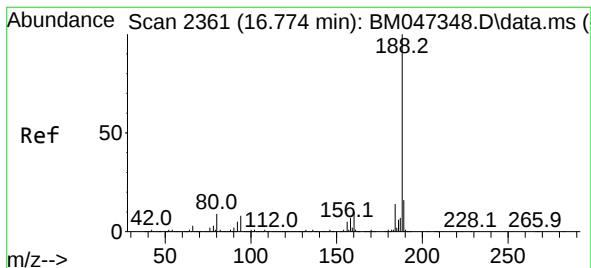
Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.6

170 22.9 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: BM047379.D

Acq: 28 Aug 2024 13:43

Instrument :

BNA_M

ClientSampleId :

DNB-44-COMPOSITE

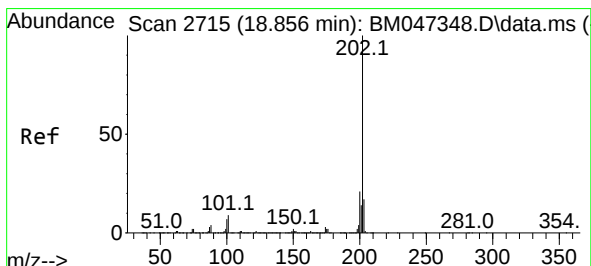
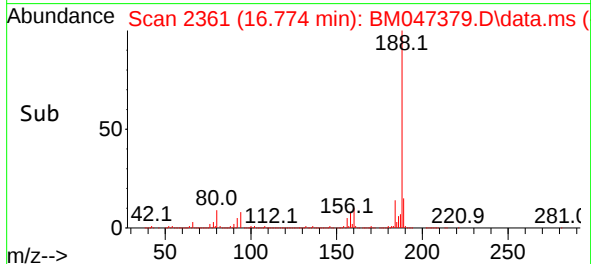
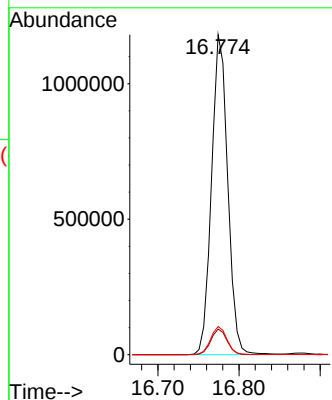
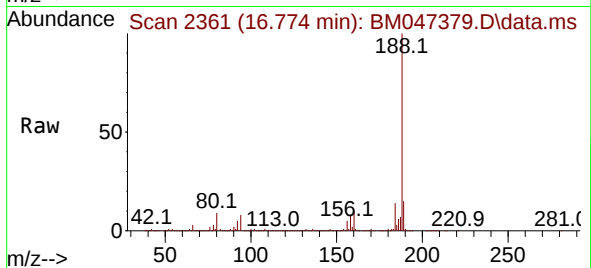
Tgt Ion:188 Resp: 1636106

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.8 7.4 11.2



#75

Fluoranthene

Concen: 2.038 ng

RT: 18.856 min Scan# 2715

Delta R.T. 0.000 min

Lab File: BM047379.D

Acq: 28 Aug 2024 13:43

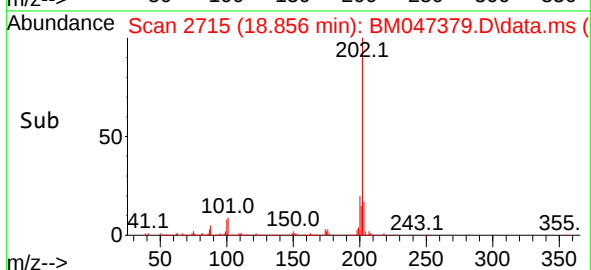
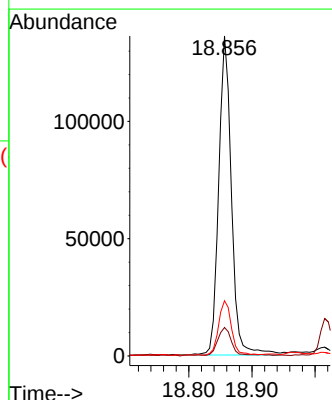
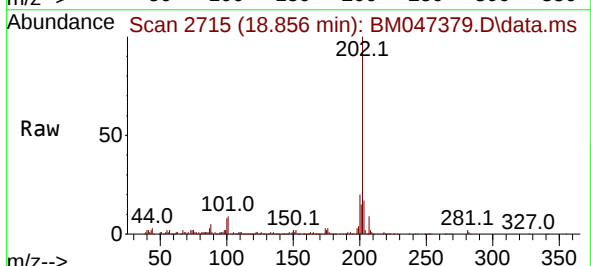
Tgt Ion:202 Resp: 190117

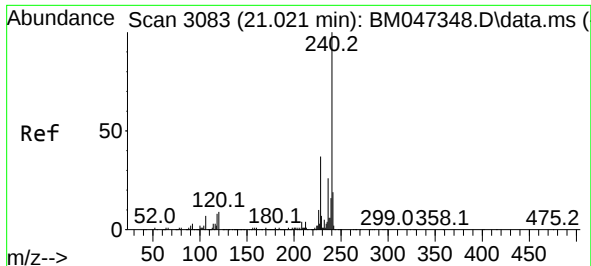
Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.0

203 17.3 0.0 37.5

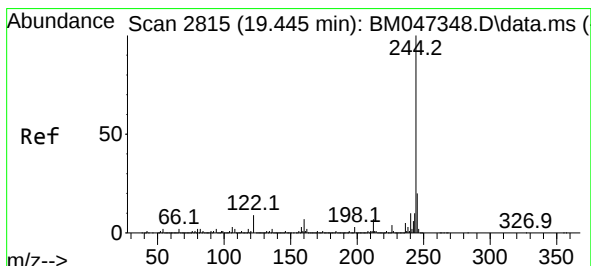
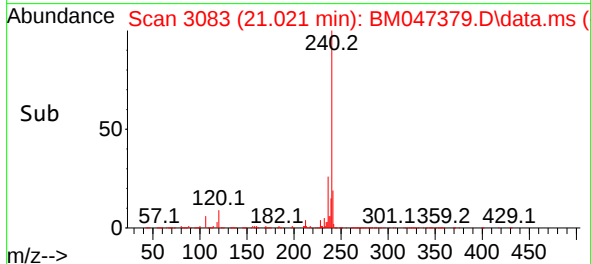
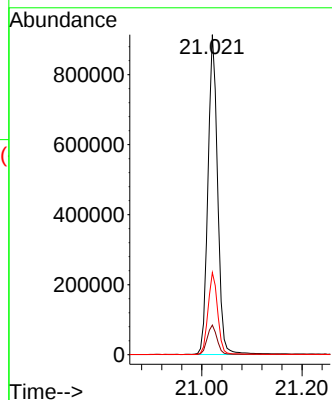
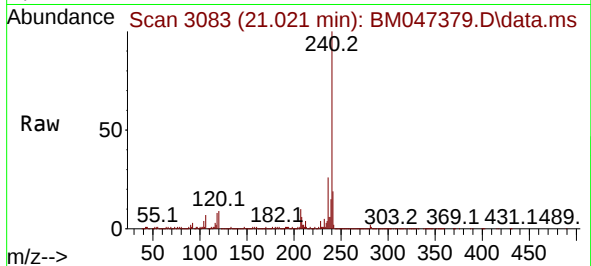




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.021 min Scan# 3083
Delta R.T. 0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

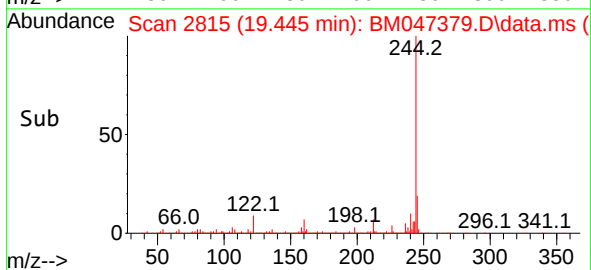
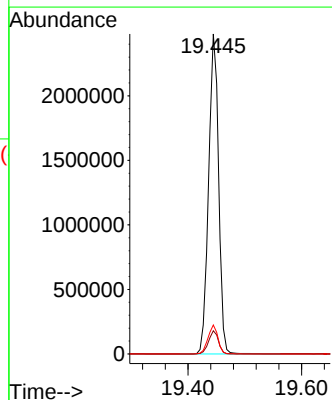
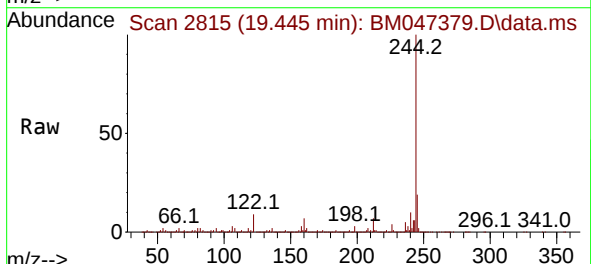
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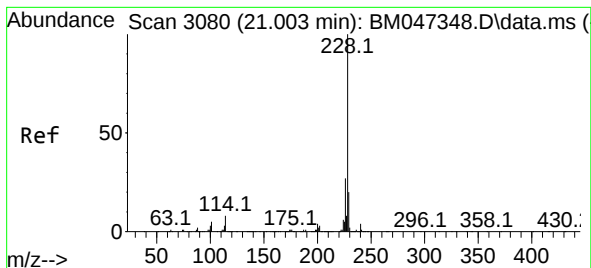
Tgt Ion:240 Resp: 1223183
Ion Ratio Lower Upper
240 100
120 9.3 7.4 11.0
236 25.6 20.8 31.2



#79
Terphenyl-d14
Concen: 43.849 ng
RT: 19.445 min Scan# 2815
Delta R.T. 0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

Tgt Ion:244 Resp: 3013292
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.0 7.0 10.4





#81

Benzo(a)anthracene

Concen: 2.391 ng

RT: 21.003 min Scan# 3080

Delta R.T. 0.000 min

Lab File: BM047379.D

Acq: 28 Aug 2024 13:43

Instrument :

BNA_M

ClientSampleId :

DNB-44-COMPOSITE

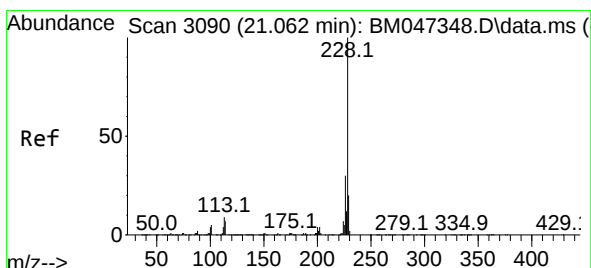
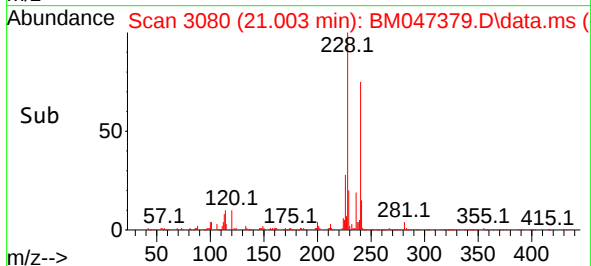
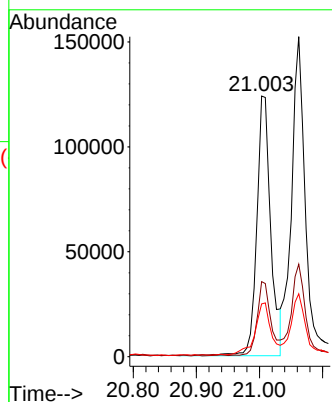
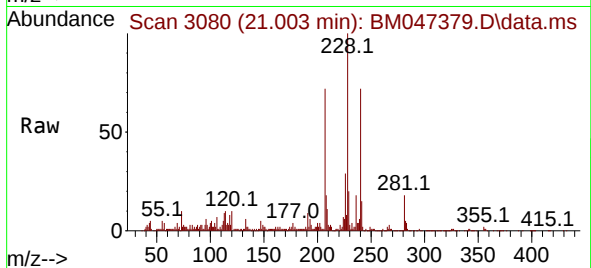
Tgt Ion:228 Resp: 190722

Ion Ratio Lower Upper

228 100

226 28.8 21.4 32.0

229 20.2 15.8 23.8



#83

Chrysene

Concen: 3.119 ng

RT: 21.062 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM047379.D

Acq: 28 Aug 2024 13:43

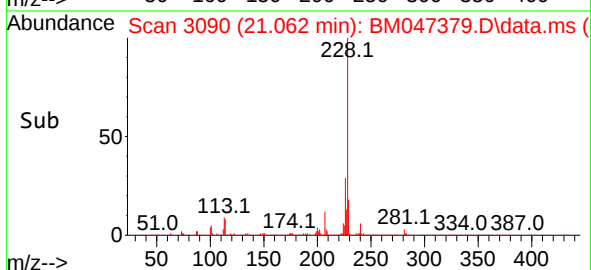
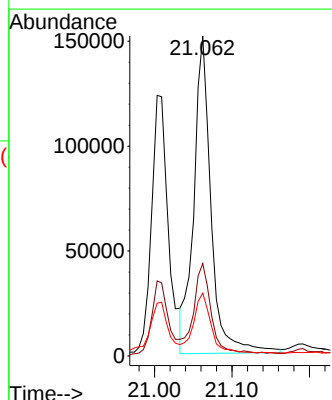
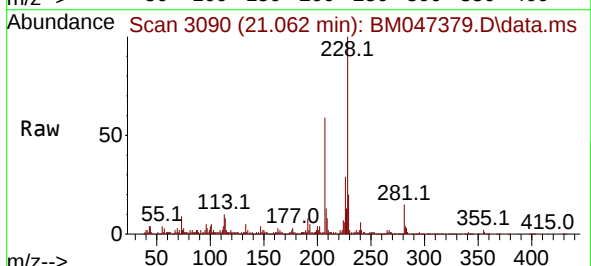
Tgt Ion:228 Resp: 234065

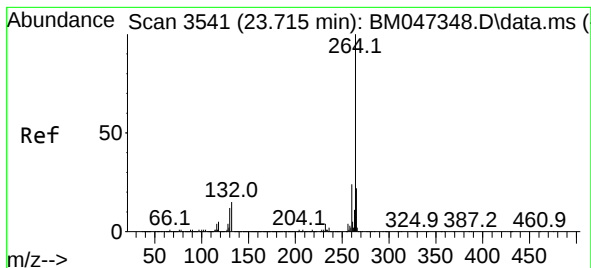
Ion Ratio Lower Upper

228 100

226 28.9 24.0 36.0

229 19.6 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: BM047379.D

Acq: 28 Aug 2024 13:43

Instrument :

BNA_M

ClientSampleId :

DNB-44-COMPOSITE

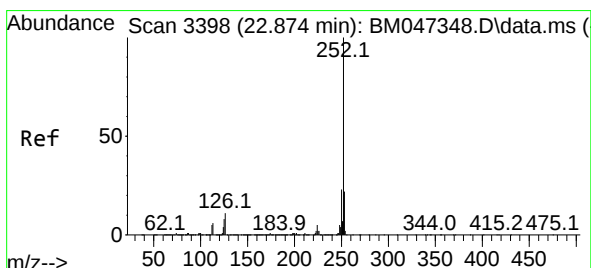
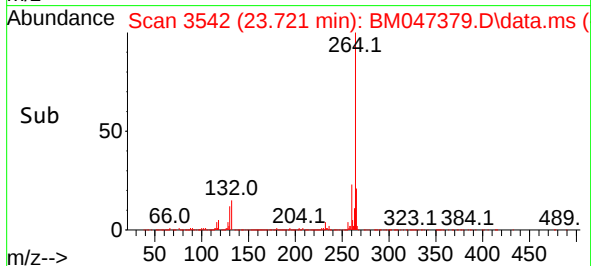
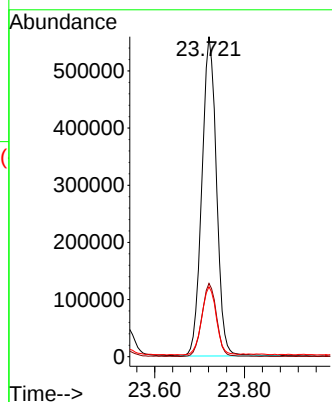
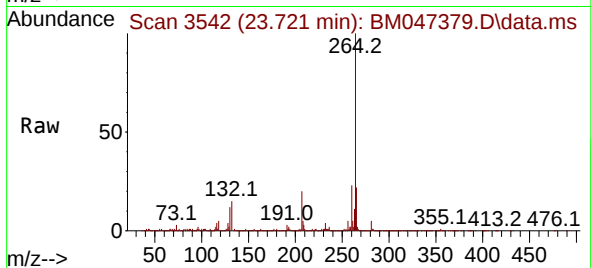
Tgt Ion:264 Resp: 1264237

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: 3.483 ng

RT: 22.880 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM047379.D

Acq: 28 Aug 2024 13:43

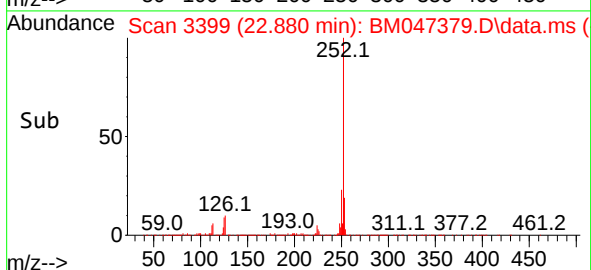
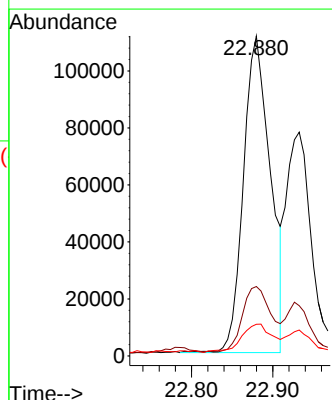
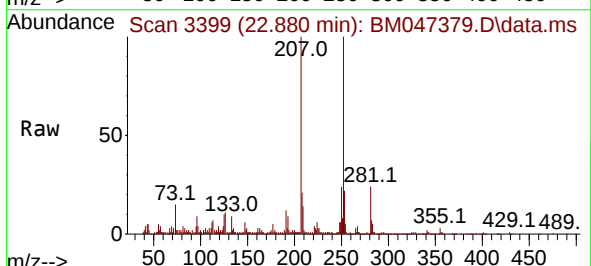
Tgt Ion:252 Resp: 256884

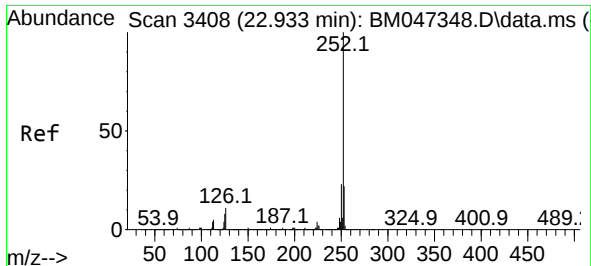
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 9.9 6.6 10.0

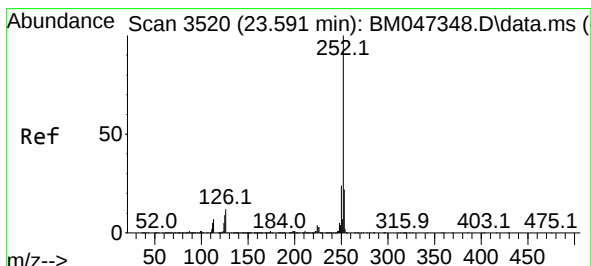
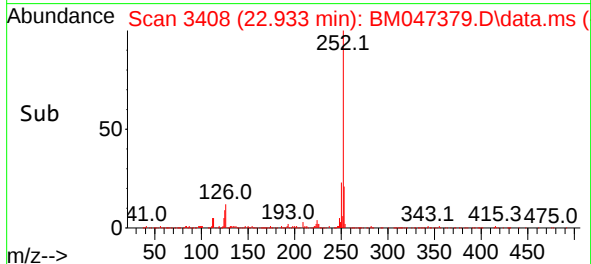
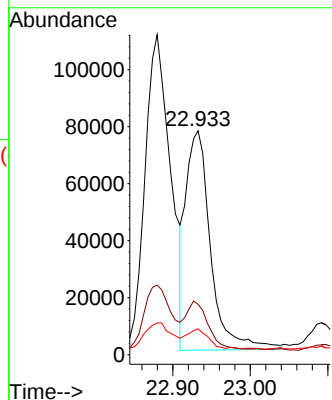
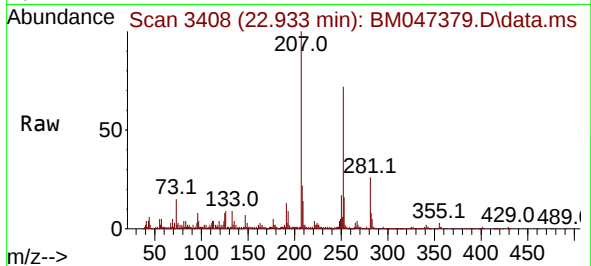




#89
Benzo(k)fluoranthene
Concen: 2.442 ng
RT: 22.933 min Scan# 3408
Delta R.T. 0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

Instrument :
BNA_M
ClientSampleId :
DNB-44-COMPOSITE

Tgt Ion:252 Resp: 170740
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.6 6.6 9.8#



#90
Benzo(a)pyrene
Concen: 2.094 ng
RT: 23.591 min Scan# 3520
Delta R.T. 0.000 min
Lab File: BM047379.D
Acq: 28 Aug 2024 13:43

Tgt Ion:252 Resp: 133537
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.1 7.4 11.2

