

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
 Data File : BM033512.D
 Acq On : 17 Dec 2021 18:53
 Operator : CG/JU
 Sample : M5051-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-3

Quant Time: Dec 18 04:54:58 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 17:10:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

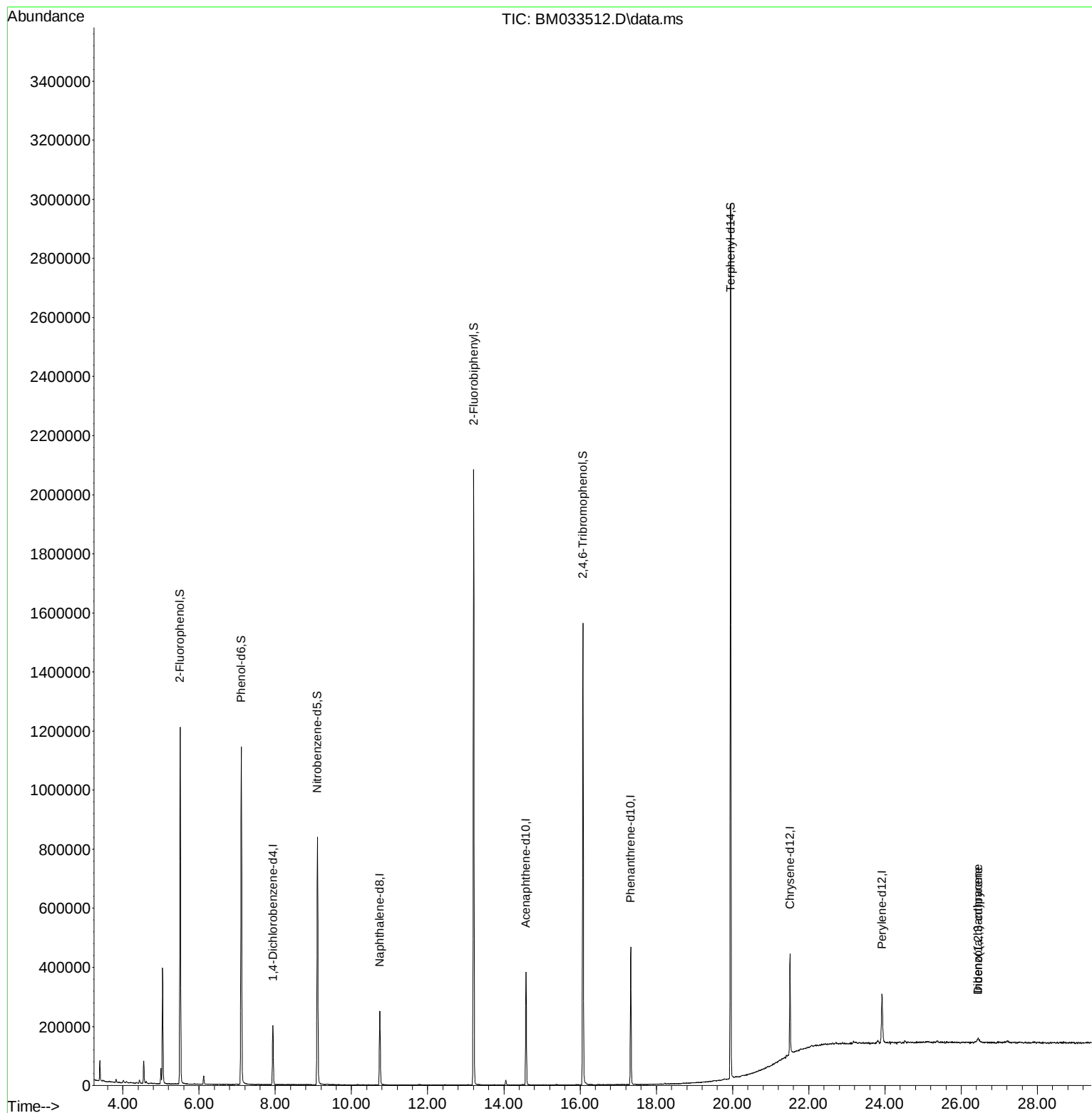
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	46167	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	187650	20.000	ng	# 0.00
39) Acenaphthene-d10	14.577	164	126313	20.000	ng	-0.01
64) Phenanthrene-d10	17.330	188	255706	20.000	ng	# 0.00
76) Chrysene-d12	21.506	240	157387	20.000	ng	0.00
86) Perylene-d12	23.918	264	132134	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.501	112	400541	149.706	ng	0.00
7) Phenol-d6	7.107	99	503108	140.121	ng	0.00
23) Nitrobenzene-d5	9.107	82	449179	102.780	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	208103	146.460	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	913199	100.008	ng	0.00
79) Terphenyl-d14	19.953	244	1275025	127.540	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.390	88	209	Below Cal	#	1
9) Benzaldehyde	7.060	77	53	Below Cal	#	7
87) Indeno(1,2,3-cd)pyrene	26.447	276	15225	2.499	ng	# 86
91) Dibenzo(a,h)anthracene	26.441	278	12794	2.800	ng	97

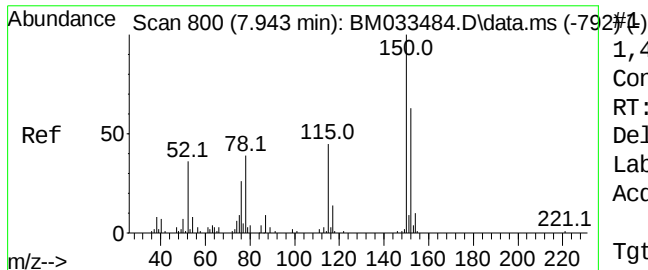
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.937 min Scan#

Delta R.T. -0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Instrument :

BNA_M

ClientSampleId :

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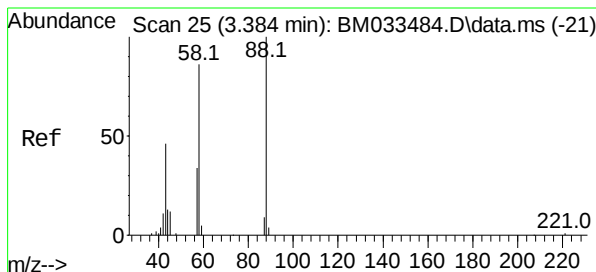
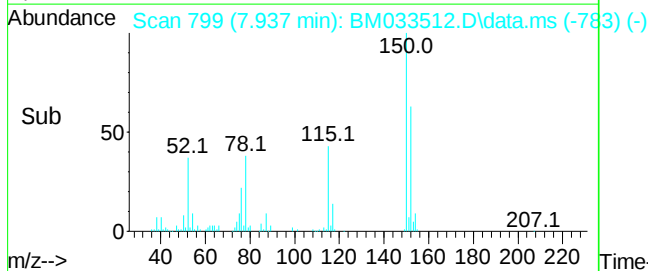
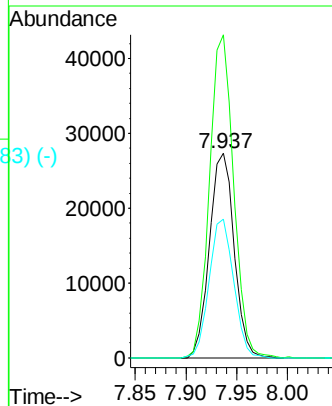
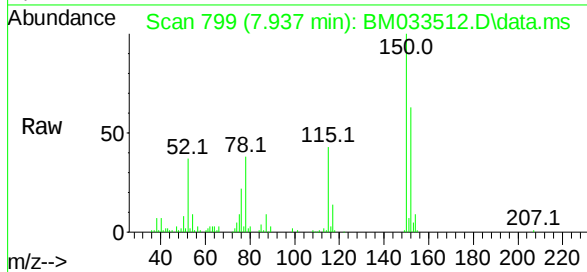
Tgt Ion:152 Resp: 46167

Ion Ratio Lower Upper

152 100

150 157.8 128.9 193.3

115 67.8 53.0 79.6



1,4-Dioxane

Concen: Below Cal

RT: 3.390 min Scan# 26

Delta R.T. 0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

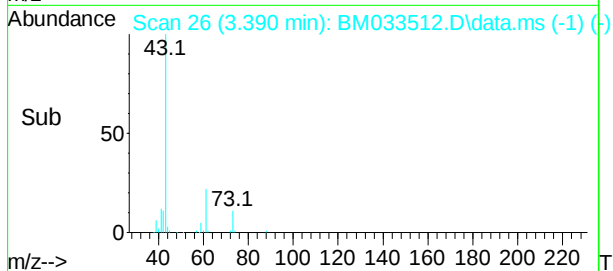
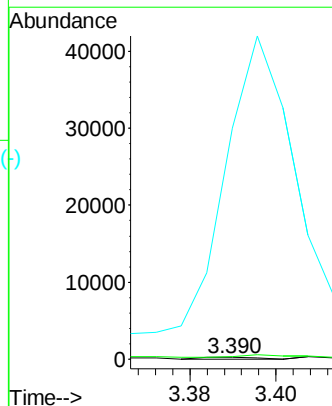
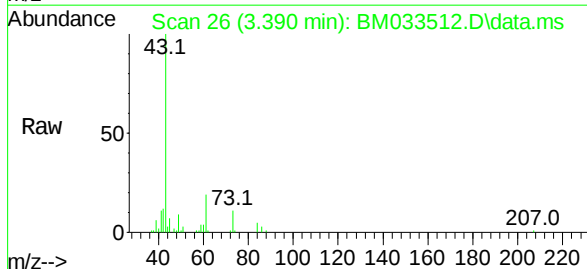
Tgt Ion: 88 Resp: 209

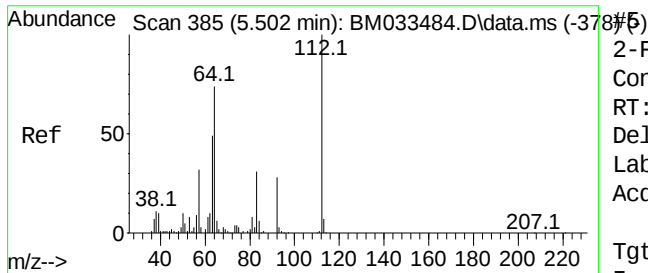
Ion Ratio Lower Upper

88 100

58 162.2 67.0 100.4#

43 21429.7 31.6 47.4#





2-Fluorophenol

Concen: 149.706 ng

RT: 5.501 min Scan#

Delta R.T. -0.001 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Instrument :

BNA_M

ClientSampleId :

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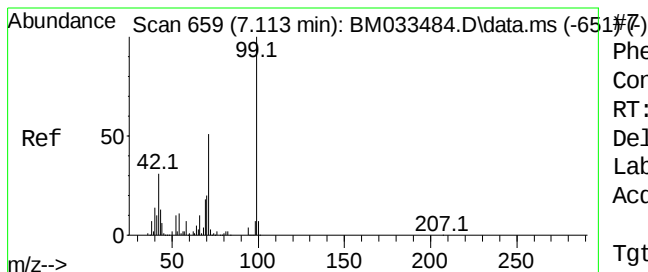
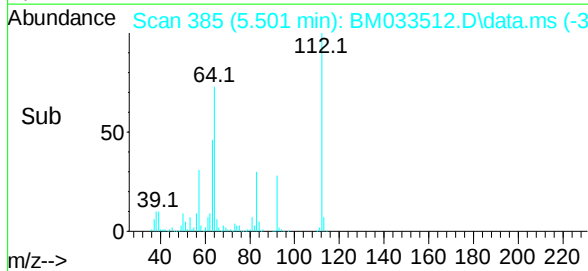
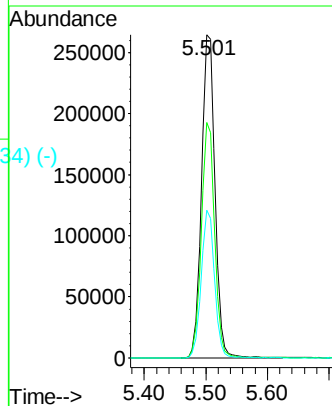
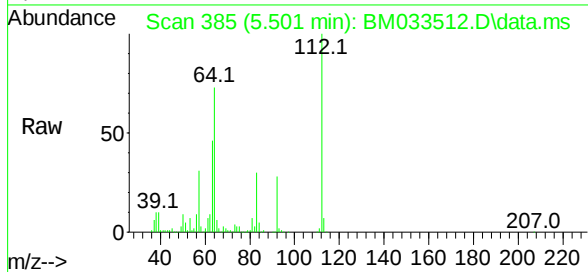
Tgt Ion:112 Resp: 400541

Ion Ratio Lower Upper

112 100

64 72.8 55.5 83.3

63 45.8 31.3 46.9



Phenol-d6

Concen: 140.121 ng

RT: 7.107 min Scan# 658

Delta R.T. -0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

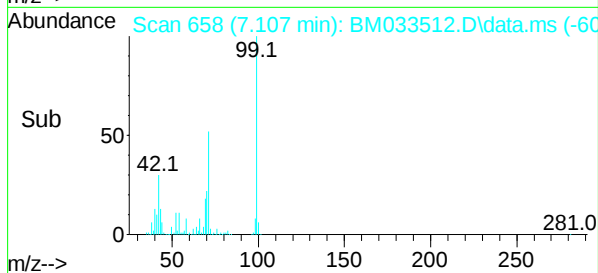
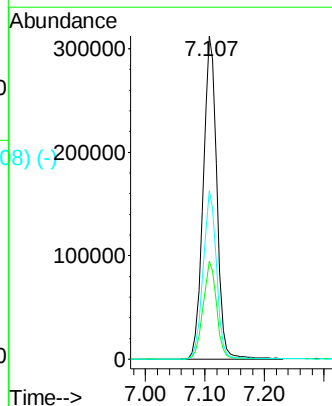
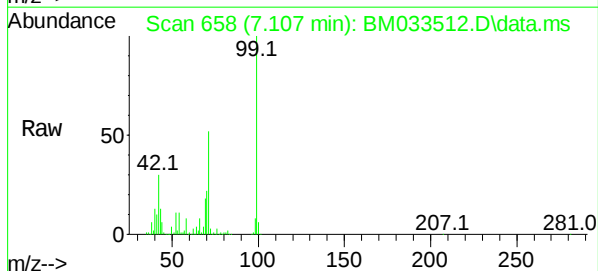
Tgt Ion: 99 Resp: 503108

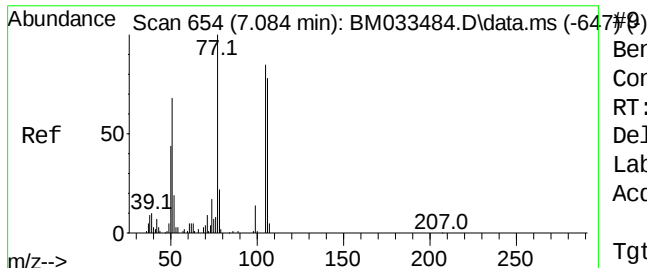
Ion Ratio Lower Upper

99 100

42 30.3 20.3 30.5

71 52.1 34.5 51.7#





Benzaldehyde

Concen: Below Cal

RT: 7.060 min Scan#

Delta R.T. -0.024 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Instrument :

BNA_M

ClientSampleId :

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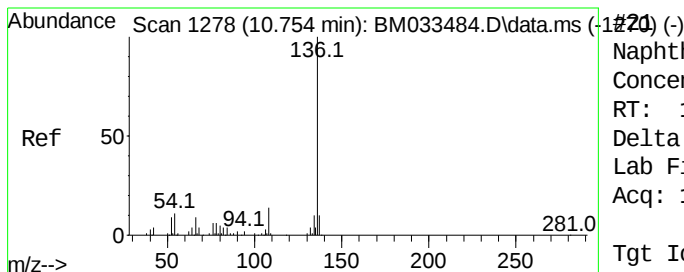
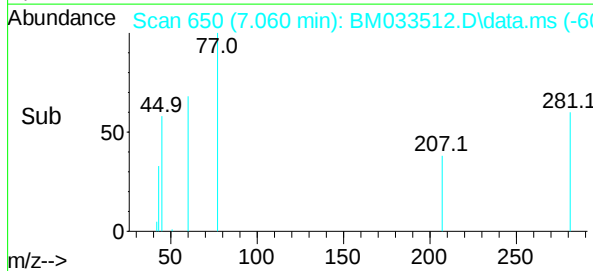
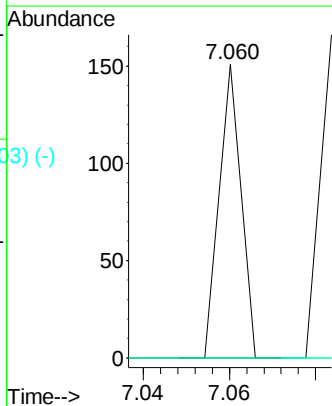
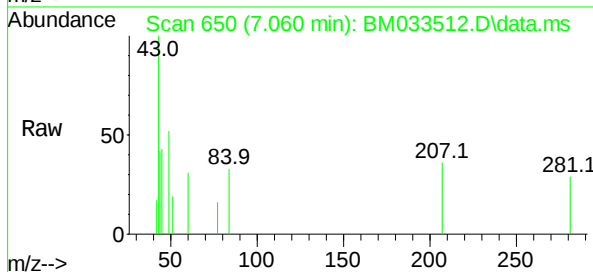
Tgt Ion: 77 Resp: 53

Ion Ratio Lower Upper

77 100

105 0.0 67.1 107.1#

106 0.0 64.3 104.3#



Naphthalene-d8

Concen: 20.000 ng

RT: 10.748 min Scan# 1277

Delta R.T. -0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Tgt Ion:136 Resp: 187650

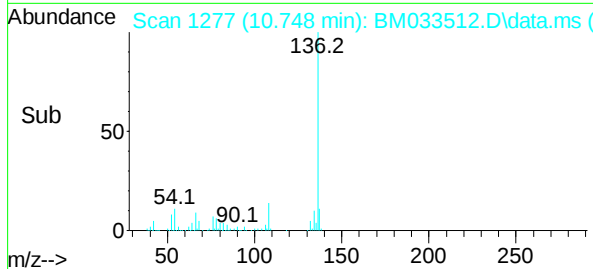
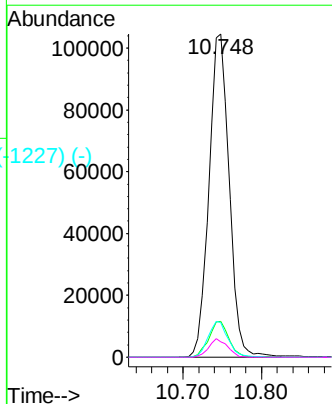
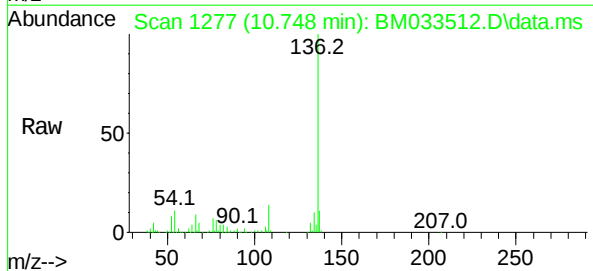
Ion Ratio Lower Upper

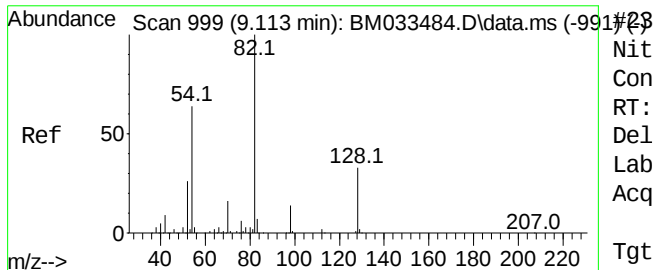
136 100

137 11.0 8.6 13.0

54 10.6 8.3 12.5

68 4.7 5.0 7.6#





Nitrobenzene-d5

Concen: 102.780 ng

RT: 9.107 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Instrument :

BNA_M

ClientSampleId :

P-3

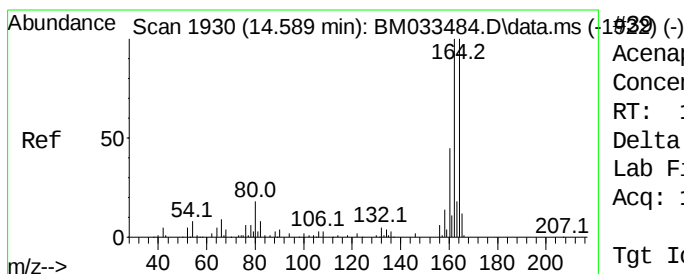
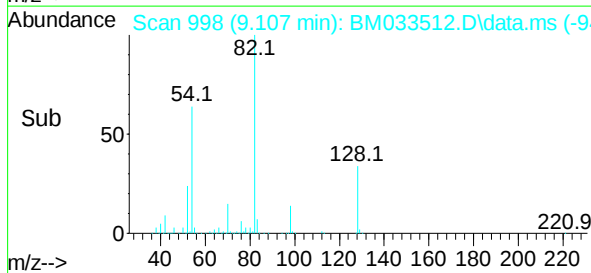
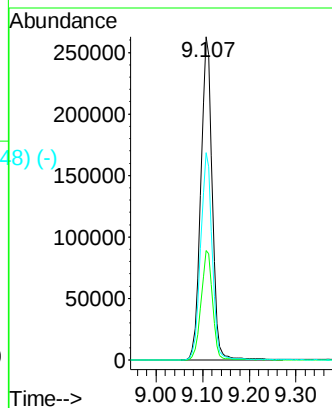
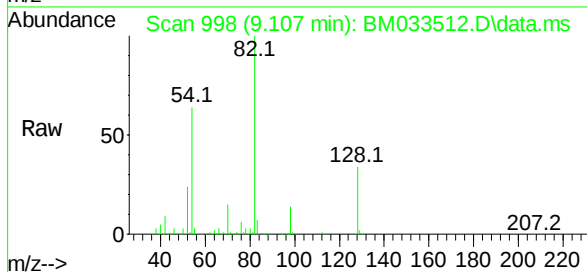
Tgt Ion: 82 Resp: 449179

Ion Ratio Lower Upper

82 100

128 33.8 28.1 42.1

54 64.2 46.1 69.1



Acenaphthene-d10

Concen: 20.000 ng

RT: 14.577 min Scan# 1928

Delta R.T. -0.012 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

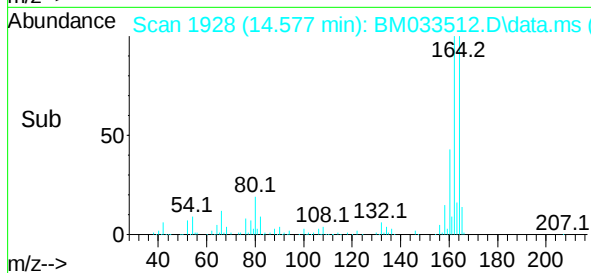
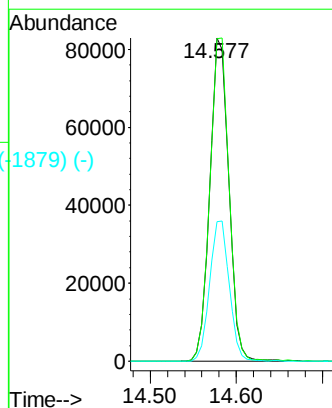
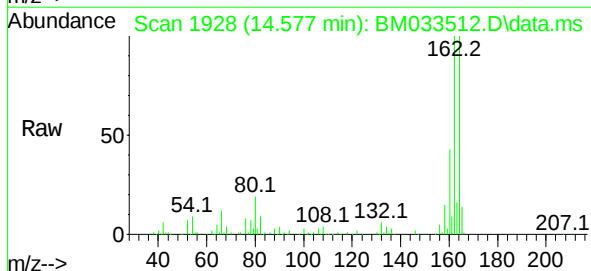
Tgt Ion: 164 Resp: 126313

Ion Ratio Lower Upper

164 100

162 99.9 79.7 119.5

160 43.2 34.2 51.4



Abundance Scan 2183 (16.077 min): BM033484.D\data.ms (-2143) (-)

2,4,6-Tribromophenol

Concen: 146.460 ng

RT: 16.071 min Scan# 2183

Delta R.T. -0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Instrument :

BNA_M

ClientSampleId :

P-3

Tgt Ion:330 Resp: 208103

Ion Ratio Lower Upper

330 100

332 97.5 76.5 114.7

141 55.5 35.9 53.9#

Abundance Scan 2182 (16.071 min): BM033512.D\data.ms

62.1 141.0 222.9 281.0 329.8

103.0

Raw

50

0

m/z-->

50 100 150 200 250 300

Abundance Scan 2182 (16.071 min): BM033512.D\data.ms (-2132) (-)

62.1 141.0 222.9 281.0 329.8

103.0

Sub

50

0

m/z-->

50 100 150 200 250 300

Abundance

16.071

100000

50000

0

Time-->

16.00 16.10 16.20

Abundance Scan 1696 (13.213 min): BM033484.D\data.ms (-1645) (-)

2-Fluorobiphenyl

Concen: 100.008 ng

RT: 13.207 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Tgt Ion:172 Resp: 913199

Ion Ratio Lower Upper

172 100

171 35.7 27.2 40.8

170 23.5 18.7 28.1

Abundance Scan 1695 (13.207 min): BM033512.D\data.ms

172.1

51.1 85.1 133.1 207.0

Raw

50

0

m/z-->

50 100 150 200 250

Abundance

13.207

600000

400000

200000

0

Time-->

13.10 13.20 13.30

Abundance Scan 1695 (13.207 min): BM033512.D\data.ms (-1645) (-)

172.1

51.1 85.1 133.1 207.0

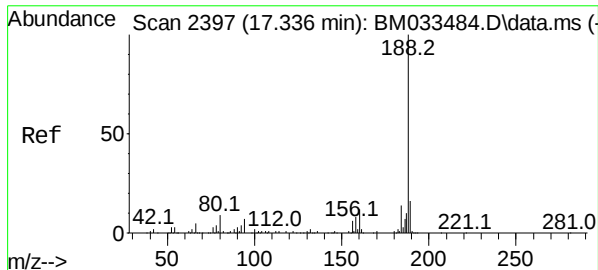
Sub

50

0

m/z-->

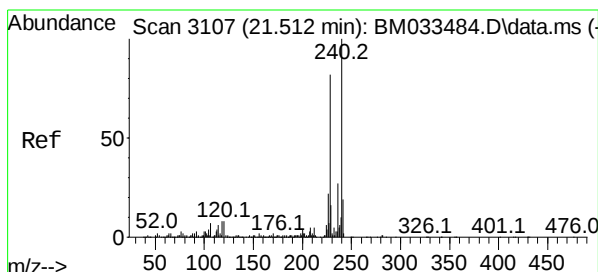
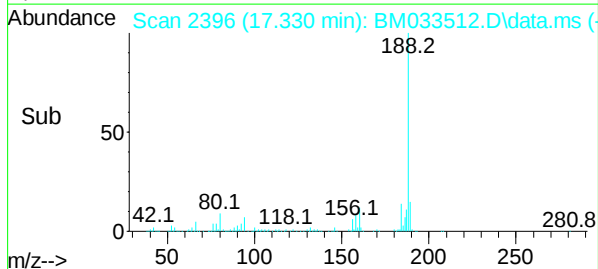
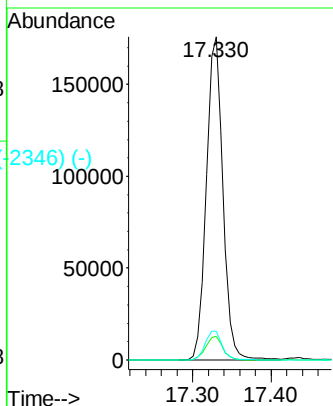
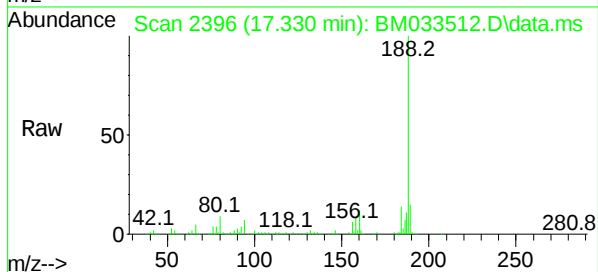
50 100 150 200 250



Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.330 min Scan# 2397
 Delta R.T. -0.006 min
 Lab File: BM033512.D
 Acq: 17 Dec 2021 18:53

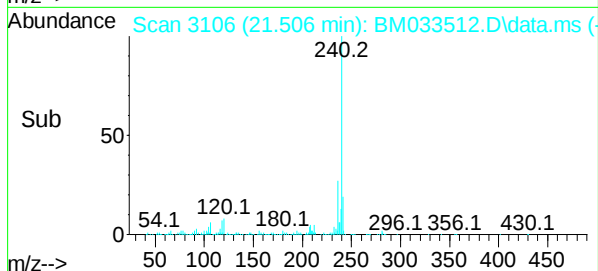
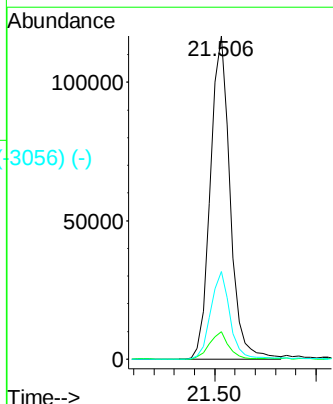
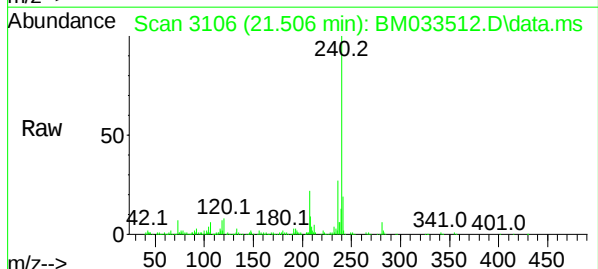
Instrument :
 BNA_M
 ClientSampleId :
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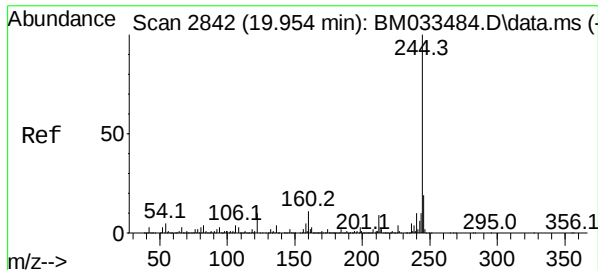
Tgt Ion:	188	Resp:	255706
Ion Ratio	Lower	Upper	
188	100		
94	7.4	7.5	11.3#
80	8.9	8.9	13.3



Chrysene-d12
 Concen: 20.000 ng
 RT: 21.506 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BM033512.D
 Acq: 17 Dec 2021 18:53

Tgt Ion:	240	Resp:	157387
Ion Ratio	Lower	Upper	
240	100		
120	8.5	7.8	11.6
236	27.1	20.3	30.5





Terphenyl-d14

Concen: 127.540 ng

RT: 19.953 min Scan# 2842

Delta R.T. -0.001 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

Instrument :

BNA_M

ClientSampleId :

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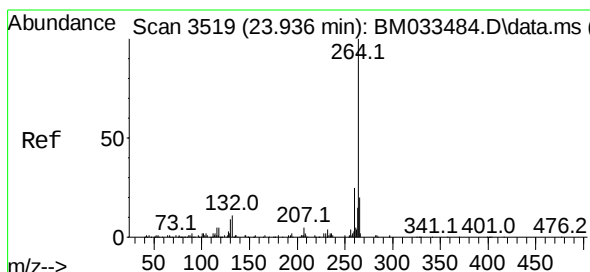
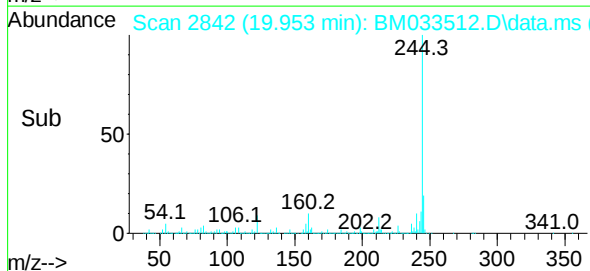
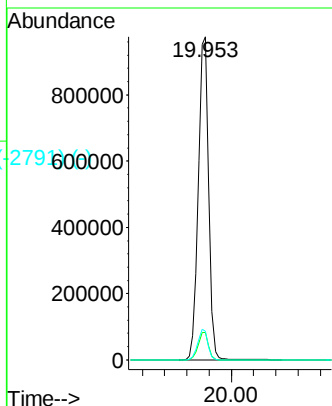
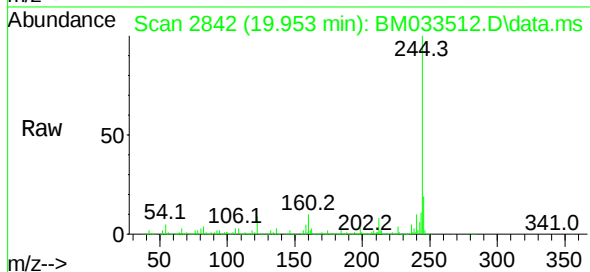
Tgt Ion:244 Resp: 1275025

Ion Ratio Lower Upper

244 100

212 8.5 5.9 8.9

122 8.9 8.4 12.6



Perylene-d12

Concen: 20.000 ng

RT: 23.918 min Scan# 3516

Delta R.T. -0.018 min

Lab File: BM033512.D

Acq: 17 Dec 2021 18:53

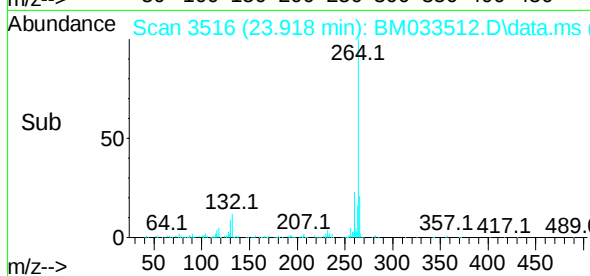
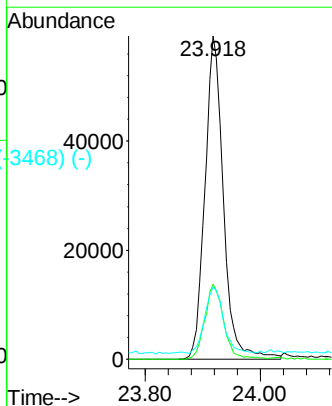
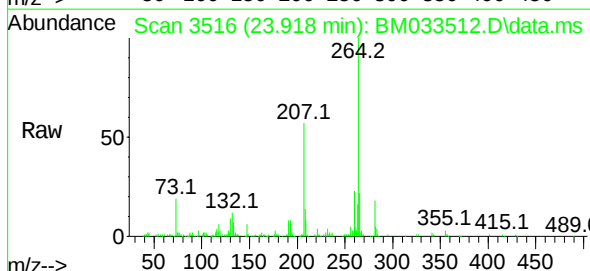
Tgt Ion:264 Resp: 132134

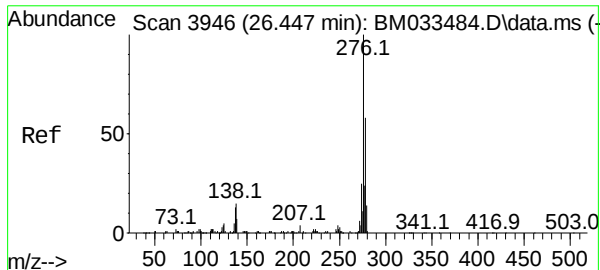
Ion Ratio Lower Upper

264 100

260 23.2 17.7 26.5

265 22.3 17.7 26.5

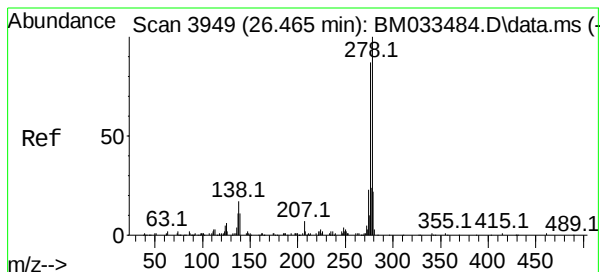
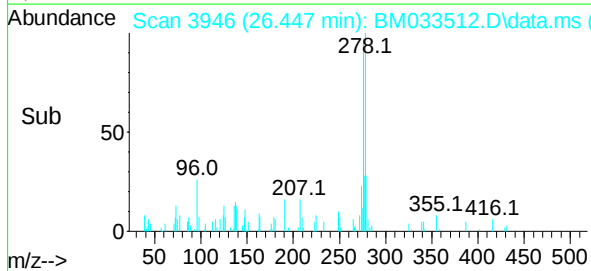
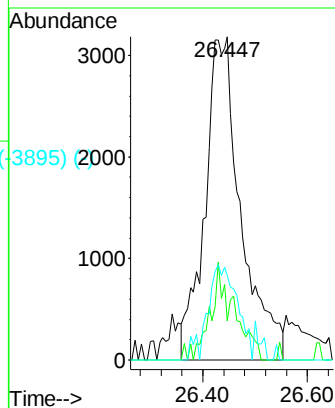
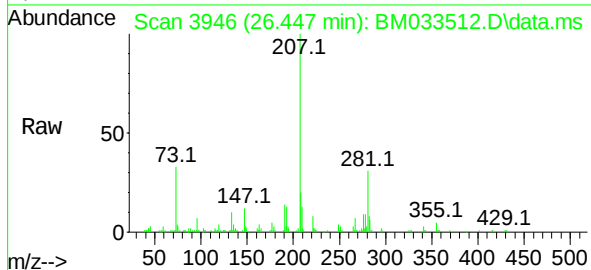




Indeno(1,2,3-cd)pyrene
Concen: 2.499 ng
RT: 26.447 min Scan# 3946
Delta R.T. 0.000 min
Lab File: BM033512.D
Acq: 17 Dec 2021 18:53

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:	276	Resp:	15225
Ion Ratio	Lower	Upper	
276	100		
138	11.9	18.7	28.1#
277	22.8	20.2	30.4



Dibenzo(a,h)anthracene
Concen: 2.800 ng
RT: 26.441 min Scan# 3945
Delta R.T. -0.024 min
Lab File: BM033512.D
Acq: 17 Dec 2021 18:53

Tgt Ion:	278	Resp:	12794
Ion Ratio	Lower	Upper	
278	100		
139	12.5	10.9	16.3
279	23.4	17.7	26.5

