

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121821\
 Data File : BM033532.D
 Acq On : 18 Dec 2021 23:04
 Operator : CG/JU
 Sample : M5018-09RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 20 07:10:08 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)

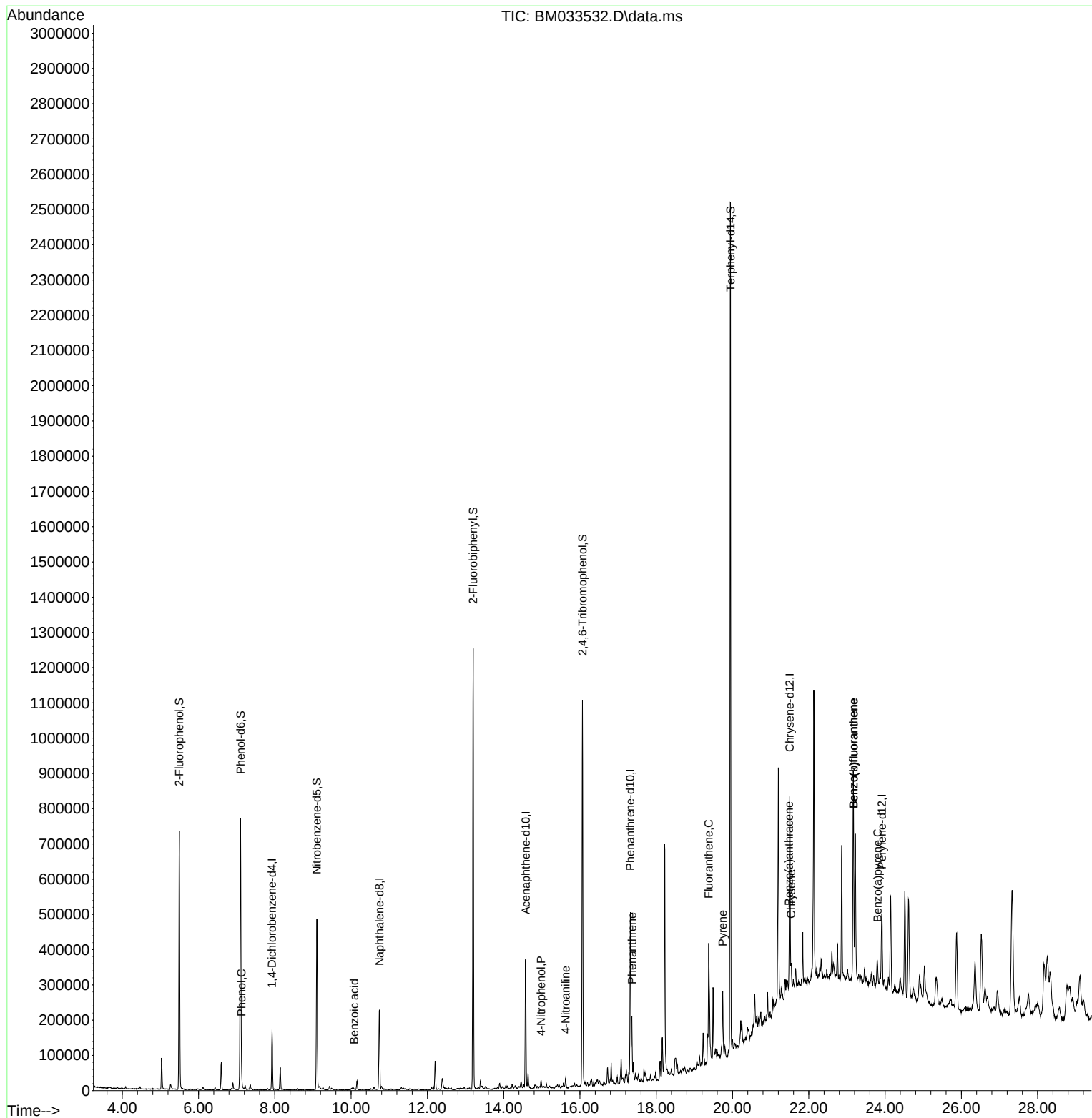
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	36898	20.000	ng	-0.02
21) Naphthalene-d8	10.743	136	163956	20.000	ng	-0.01
39) Acenaphthene-d10	14.578	164	118741	20.000	ng	-0.01
64) Phenanthrene-d10	17.319	188	270838	20.000	ng	-0.02
76) Chrysene-d12	21.501	240	226060	20.000	ng	-0.01
86) Perylene-d12	23.918	264	158540	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	239268	111.894	ng	0.00
7) Phenol-d6	7.102	99	326538	113.790	ng	-0.01
23) Nitrobenzene-d5	9.102	82	252779	66.199	ng	-0.01
42) 2,4,6-Tribromophenol	16.066	330	147229	110.225	ng	-0.01
45) 2-Fluorobiphenyl	13.201	172	556853	64.872	ng	-0.01
79) Terphenyl-d14	19.948	244	1028488	71.626	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.373	88	123	Below Cal	#	1
9) Benzaldehyde	7.078	77	6720	Below Cal		94
10) Phenol	7.125	94	10336	3.565	ng	# 63
32) Benzoic acid	10.078	122	183	3.077	ng	# 74
56) 4-Nitrophenol	14.978	139	4799	7.584	ng	# 1
62) 4-Nitroaniline	15.625	138	60	2.603	ng	# 7
71) Phenanthrene	17.366	178	51600	3.423	ng	99
75) Fluoranthene	19.377	202	81120	4.678	ng	97
78) Pyrene	19.742	202	104416	5.854	ng	99
81) Benzo(a)anthracene	21.483	228	36998	2.442	ng	95
83) Chrysene	21.536	228	41293	2.831	ng	98
88) Benzo(b)fluoranthene	23.177	252	63876	6.283	ng	# 85
89) Benzo(k)fluoranthene	23.177	252	63876	6.212	ng	# 87
90) Benzo(a)pyrene	23.807	252	17054	2.242	ng	# 80

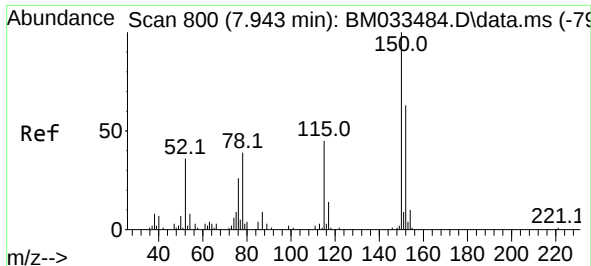
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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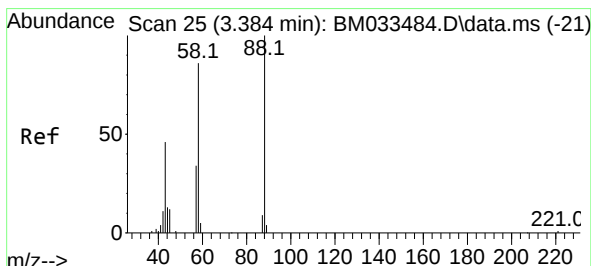
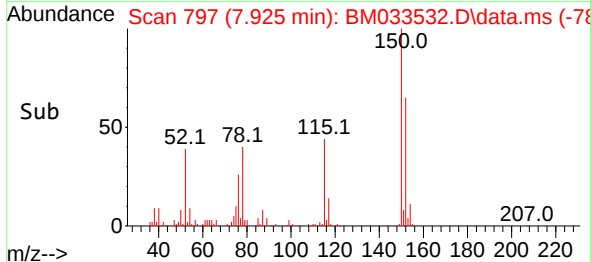
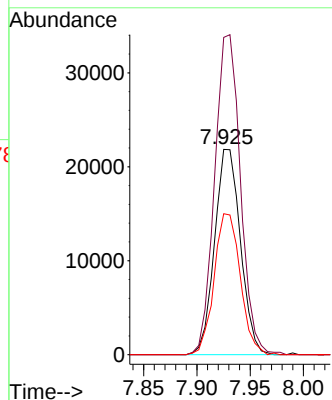
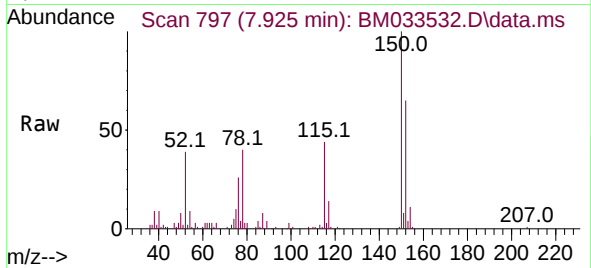




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 79
Delta R.T. -0.018 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

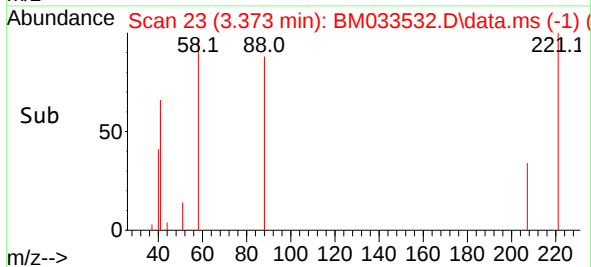
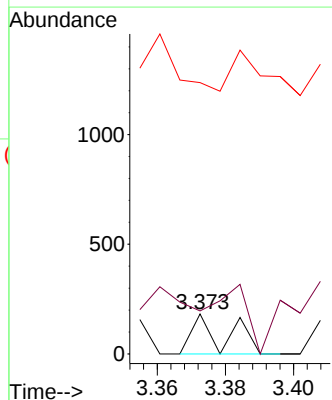
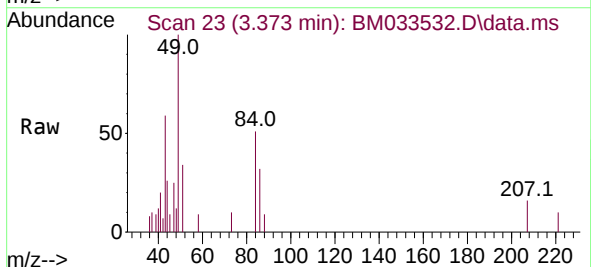
Instrument :
BNA_M
ClientSampleId :

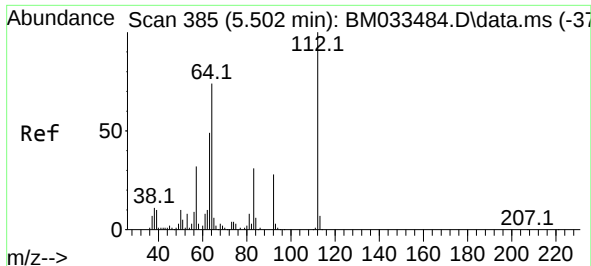
Tgt Ion:152 Resp: 36898
Ion Ratio Lower Upper
152 100
150 154.5 128.9 193.3
115 68.7 53.0 79.6



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.373 min Scan# 23
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

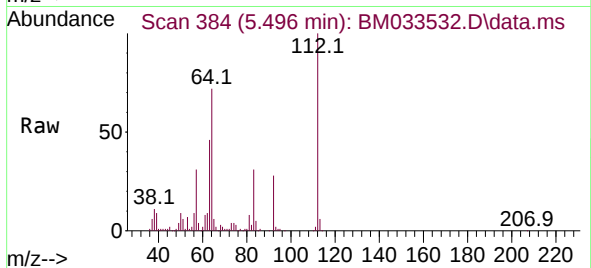
Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
58 372.4 67.0 100.4#
43 109.8 31.6 47.4#



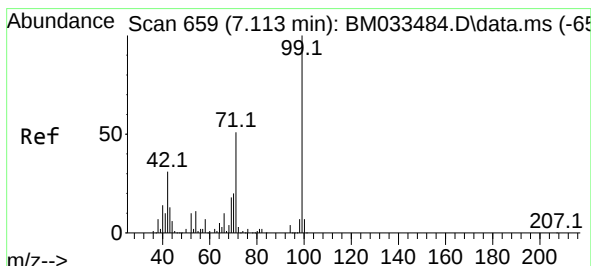
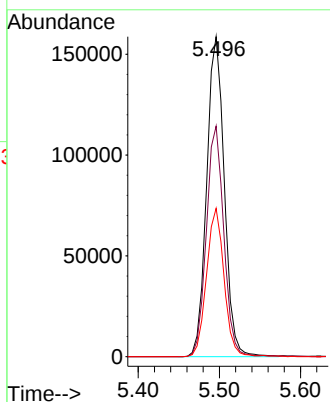
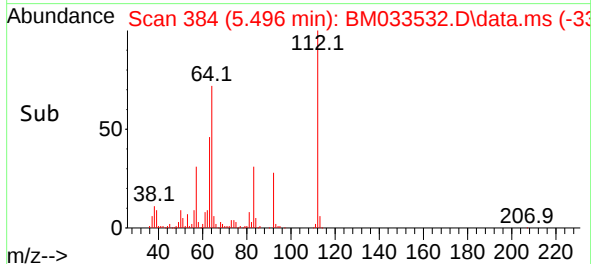


#5
2-Fluorophenol
Concen: 111.894 ng
RT: 5.496 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Instrument :
BNA_M
ClientSampleId :

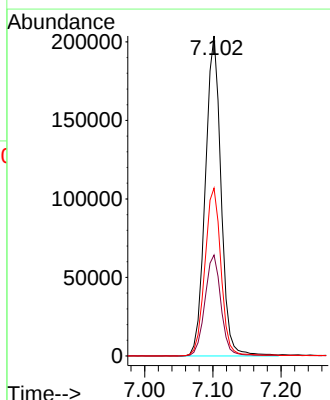
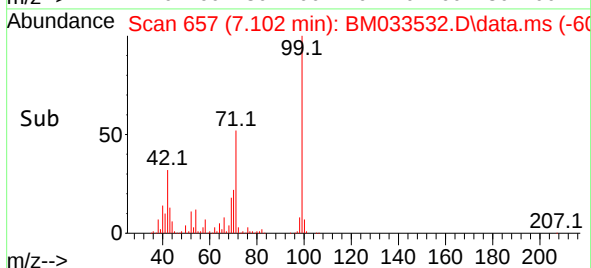
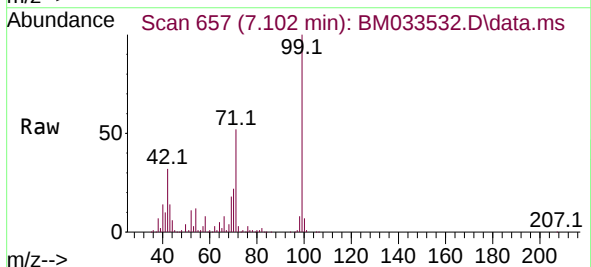


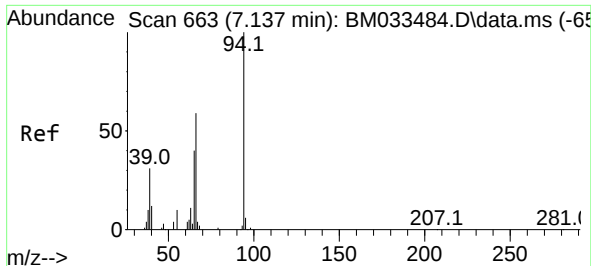
Tgt Ion:112 Resp: 239268
Ion Ratio Lower Upper
112 100
64 72.1 55.5 83.3
63 46.4 31.3 46.9



#7
Phenol-d6
Concen: 113.790 ng
RT: 7.102 min Scan# 657
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Tgt Ion: 99 Resp: 326538
Ion Ratio Lower Upper
99 100
42 31.6 20.3 30.5#
71 52.5 34.5 51.7#

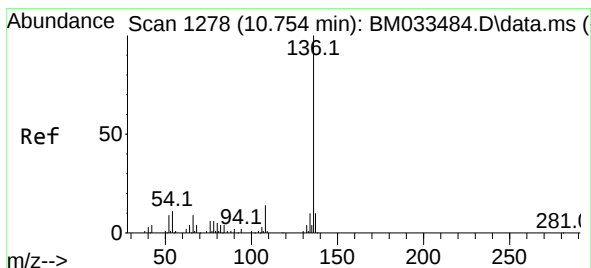
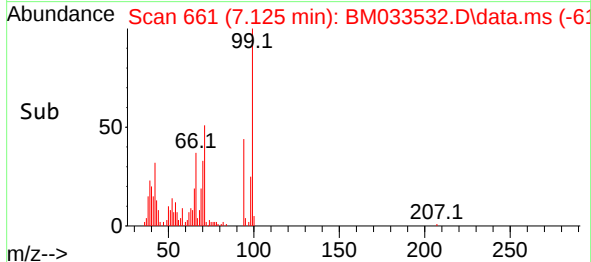
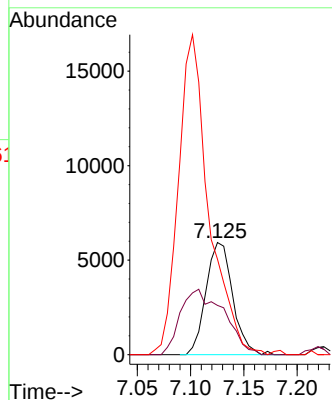
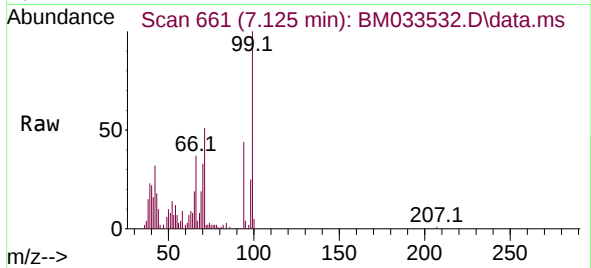




#10
Phenol
Concen: 3.565 ng
RT: 7.125 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

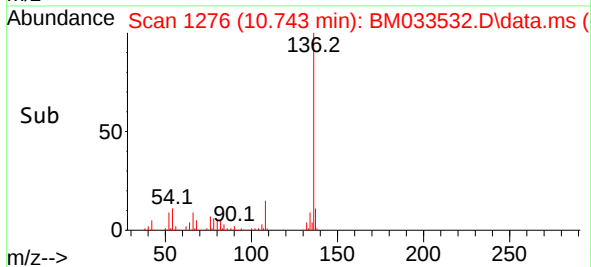
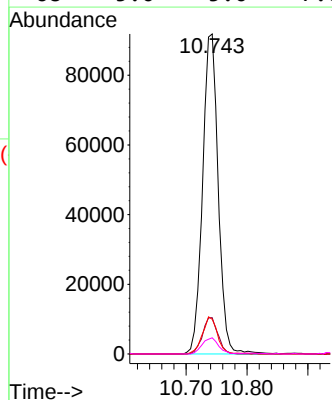
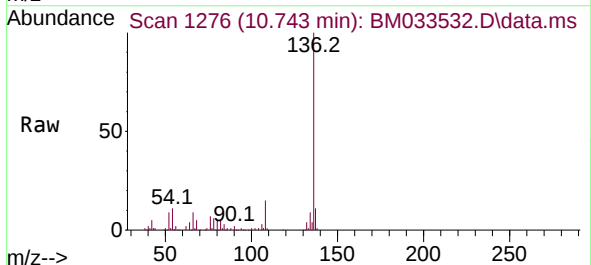
Instrument :
BNA_M
ClientSampleId :

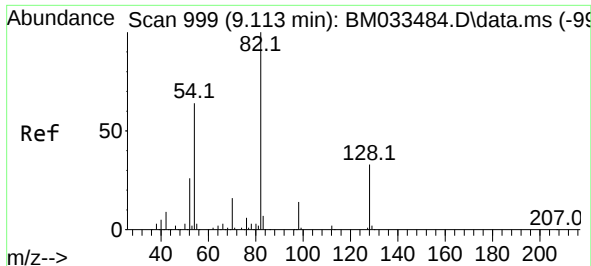
Tgt Ion: 94 Resp: 10336
Ion Ratio Lower Upper
94 100
65 43.9 15.5 55.5
66 85.1 28.5 68.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 1276
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Tgt Ion:136 Resp: 163956
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 10.8 8.3 12.5
68 5.0 5.0 7.6

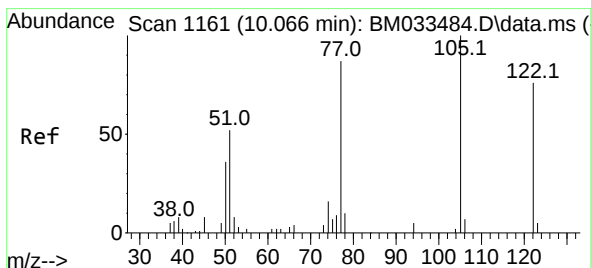
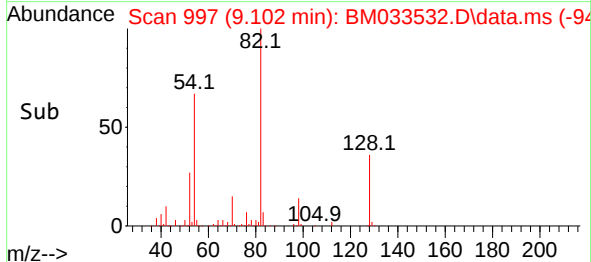
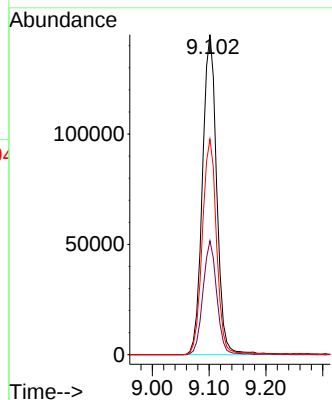
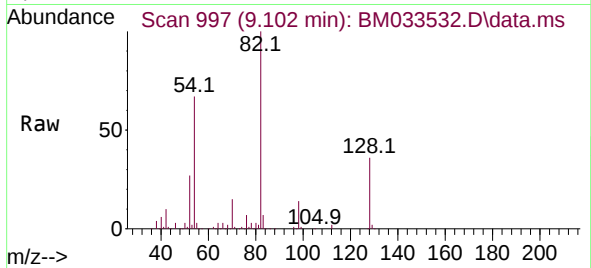




#23
Nitrobenzene-d5
Concen: 66.199 ng
RT: 9.102 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

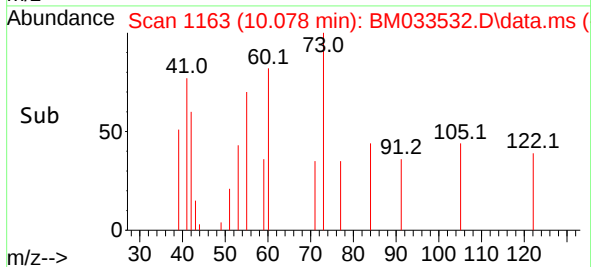
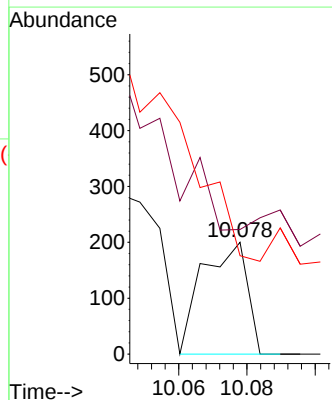
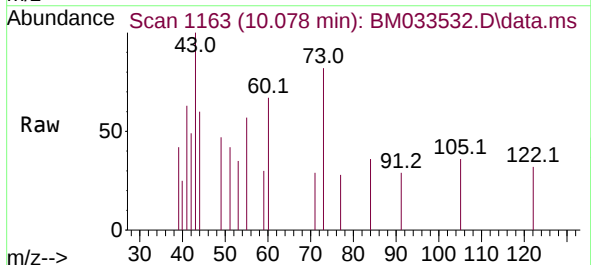
Instrument :
BNA_M
ClientSampleId :

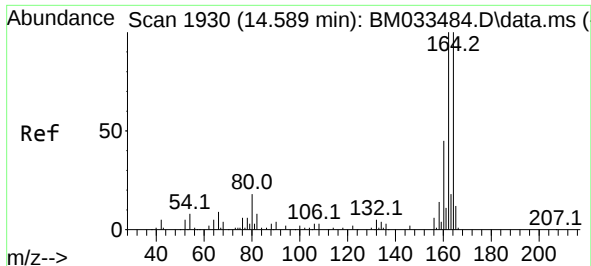
Tgt Ion: 82 Resp: 252779
Ion Ratio Lower Upper
82 100
128 35.6 28.1 42.1
54 67.4 46.1 69.1



#32
Benzoic acid
Concen: 3.077 ng
RT: 10.078 min Scan# 1163
Delta R.T. 0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Tgt Ion:122 Resp: 183
Ion Ratio Lower Upper
122 100
105 111.5 119.6 159.6#
77 88.0 101.0 141.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.578 min Scan# 19

Delta R.T. -0.011 min

Lab File: BM033532.D

Acq: 18 Dec 2021 23:04

Instrument :

BNA_M

ClientSampleId :

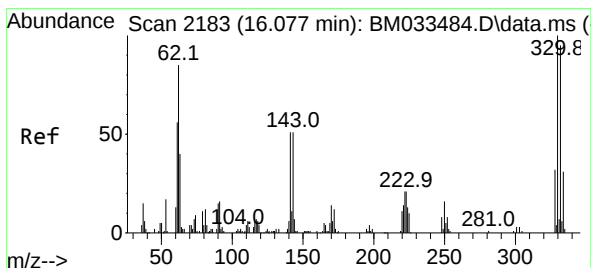
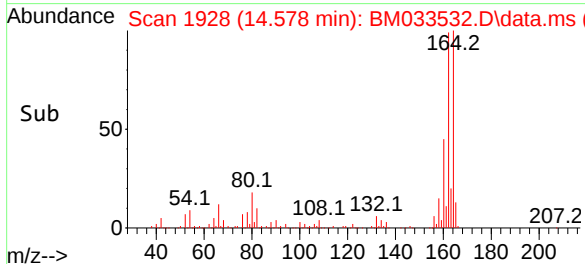
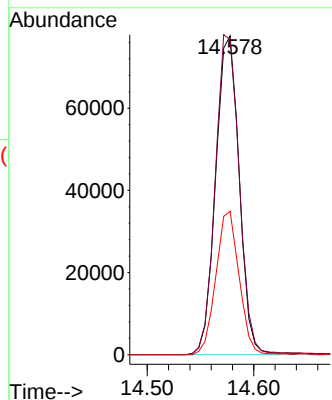
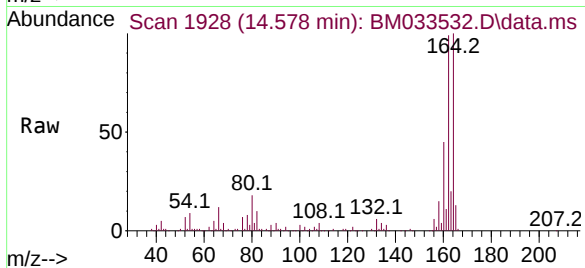
Tgt Ion:164 Resp: 118741

Ion Ratio Lower Upper

164 100

162 98.8 79.7 119.5

160 45.0 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 110.225 ng

RT: 16.066 min Scan# 2181

Delta R.T. -0.011 min

Lab File: BM033532.D

Acq: 18 Dec 2021 23:04

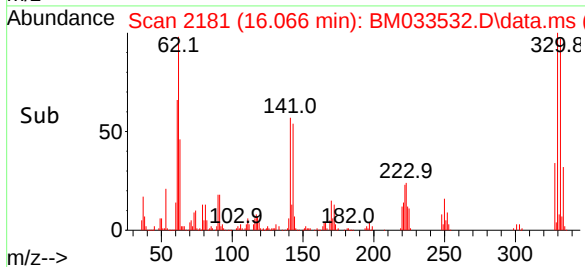
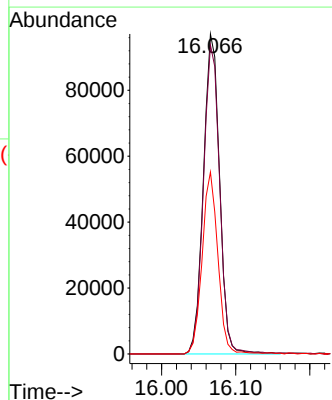
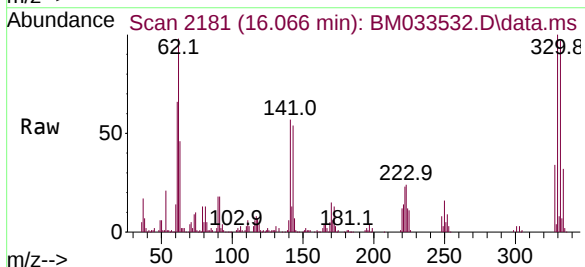
Tgt Ion:330 Resp: 147229

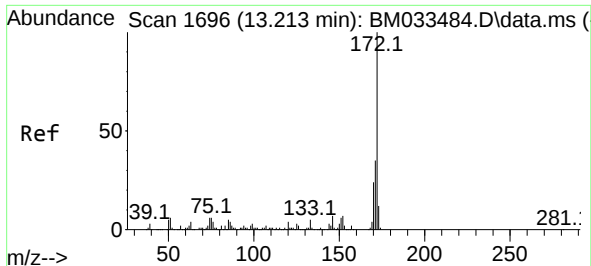
Ion Ratio Lower Upper

330 100

332 97.0 76.5 114.7

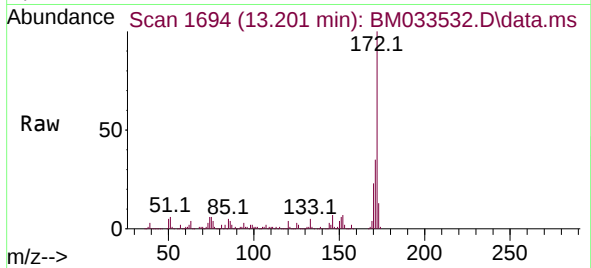
141 55.1 35.9 53.9#



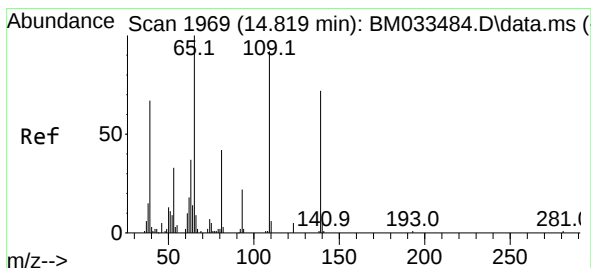
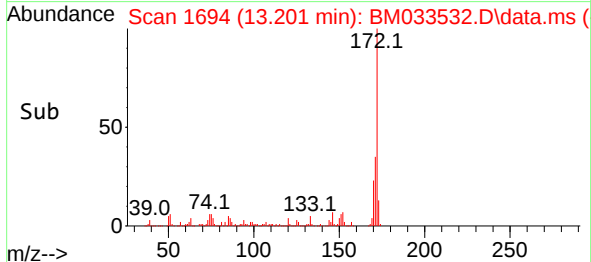
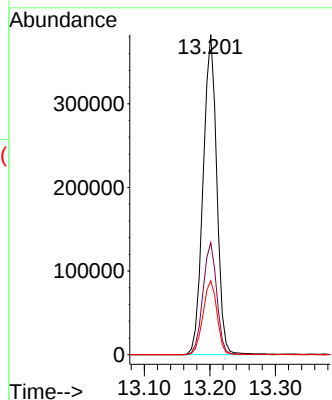


#45
2-Fluorobiphenyl
Concen: 64.872 ng
RT: 13.201 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Instrument :
BNA_M
ClientSampleId :

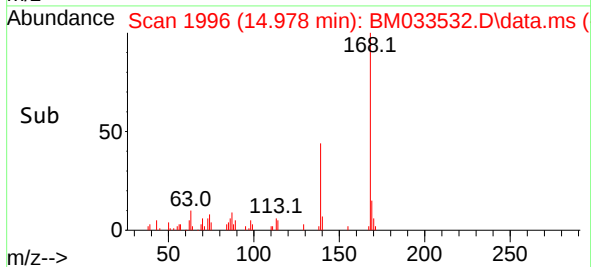
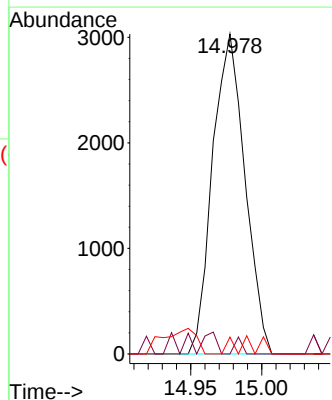
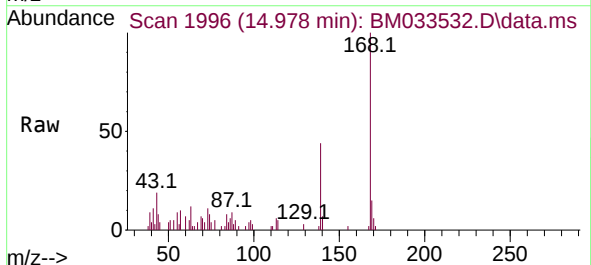


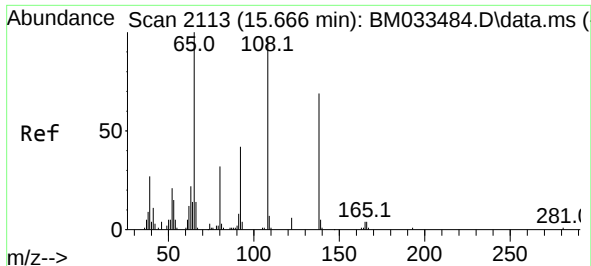
Tgt Ion:172 Resp: 556853
Ion Ratio Lower Upper
172 100
171 35.0 27.2 40.8
170 23.1 18.7 28.1



#56
4-Nitrophenol
Concen: 7.584 ng
RT: 14.978 min Scan# 1996
Delta R.T. 0.159 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

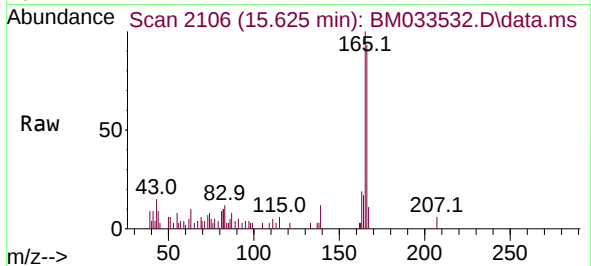
Tgt Ion:139 Resp: 4799
Ion Ratio Lower Upper
139 100
109 0.0 75.3 115.3#
65 5.2 107.4 147.4#



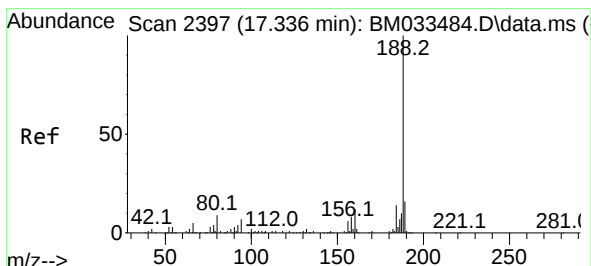
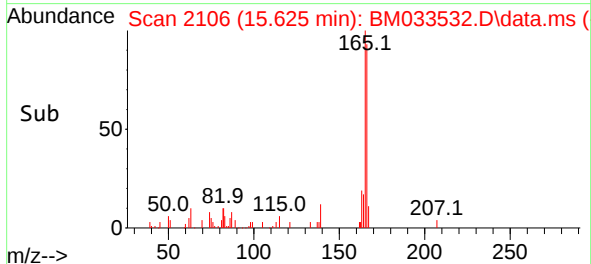
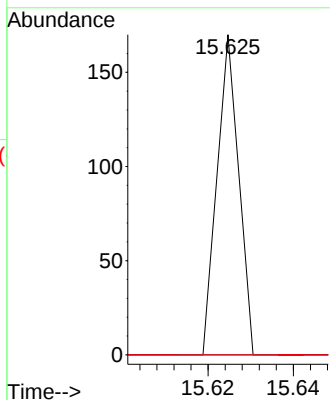


#62
4-Nitroaniline
Concen: 2.603 ng
RT: 15.625 min Scan# 2113
Delta R.T. -0.041 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Instrument :
BNA_M
ClientSampleId :

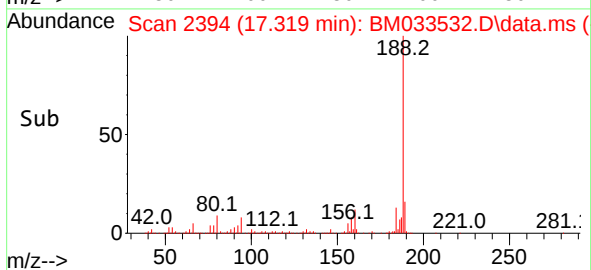
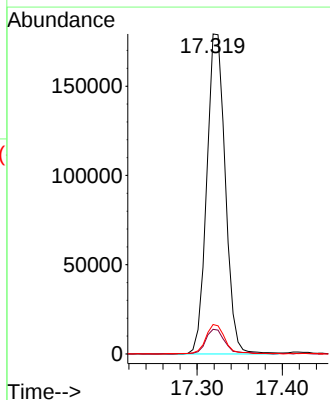
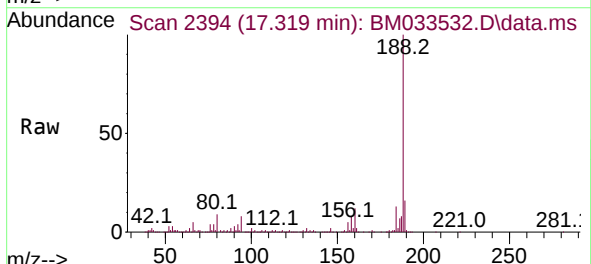


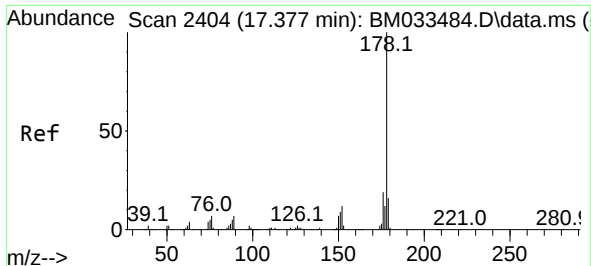
Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
92 0.0 38.7 78.7#
108 0.0 81.9 121.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2394
Delta R.T. -0.017 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

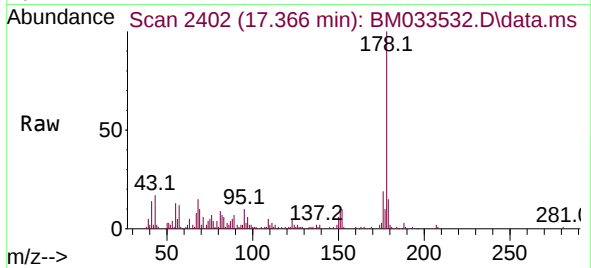
Tgt Ion:188 Resp: 270838
Ion Ratio Lower Upper
188 100
94 7.7 7.5 11.3
80 9.2 8.9 13.3



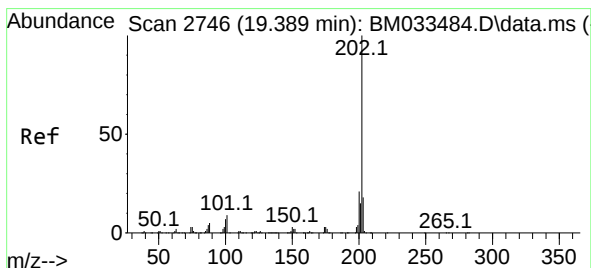
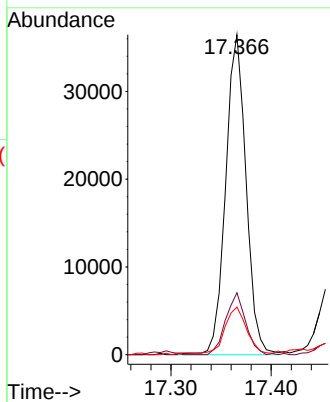
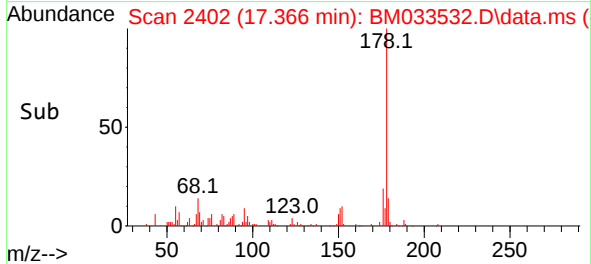


#71
Phenanthrene
Concen: 3.423 ng
RT: 17.366 min Scan# 24
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

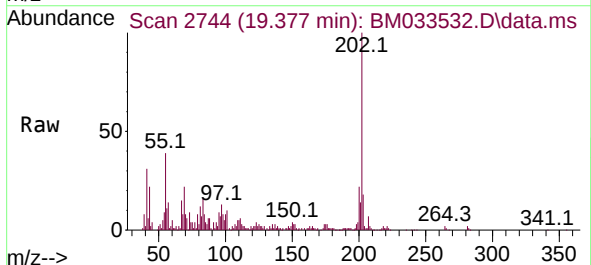
Instrument :
BNA_M
ClientSampleId :



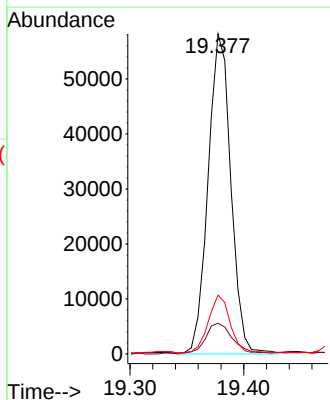
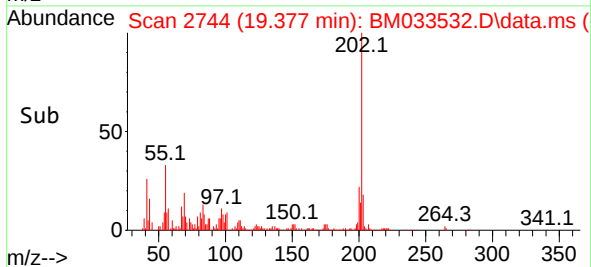
Tgt Ion:178 Resp: 51600
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 14.9 12.0 18.0

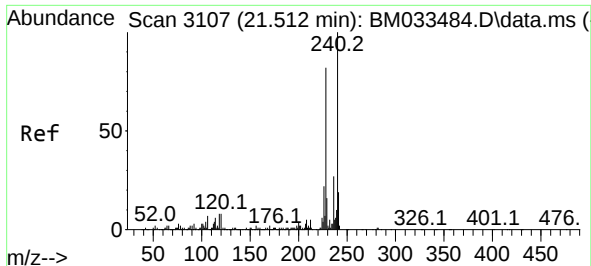


#75
Fluoranthene
Concen: 4.678 ng
RT: 19.377 min Scan# 2744
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04



Tgt Ion:202 Resp: 81120
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.8
203 18.4 0.0 37.2

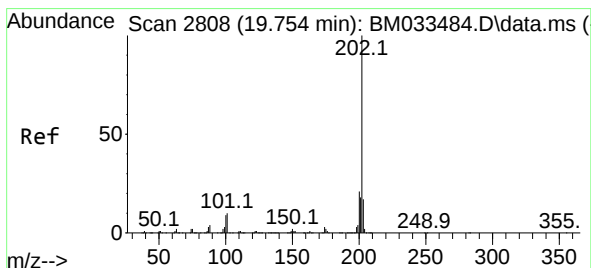
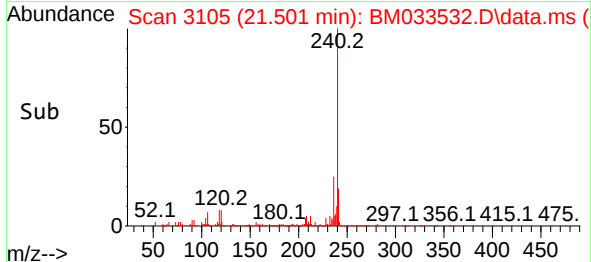
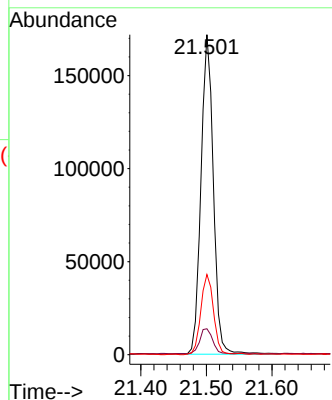
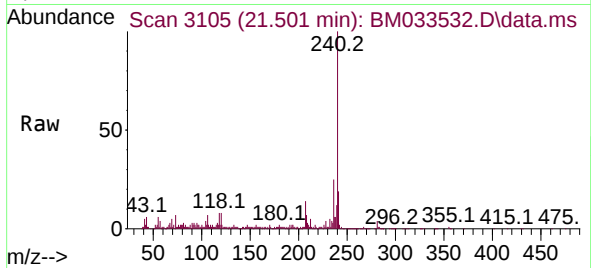




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3105
Delta R.T. -0.011 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

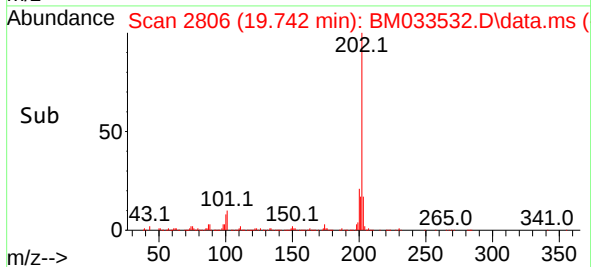
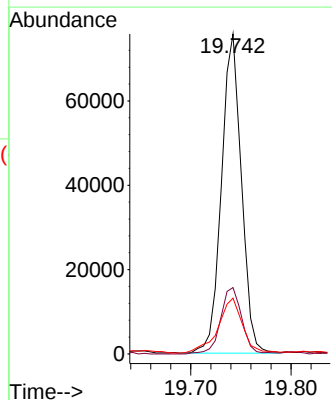
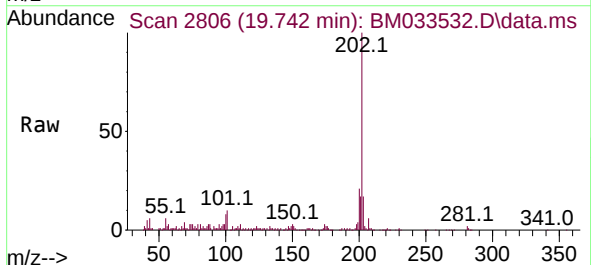
Instrument :
BNA_M
ClientSampleId :

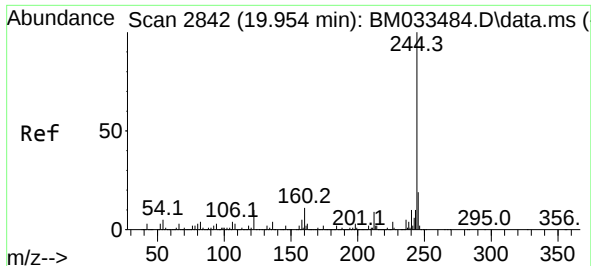
Tgt Ion:240 Resp: 226060
Ion Ratio Lower Upper
240 100
120 8.1 7.8 11.6
236 25.0 20.3 30.5



#78
Pyrene
Concen: 5.854 ng
RT: 19.742 min Scan# 2806
Delta R.T. -0.012 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

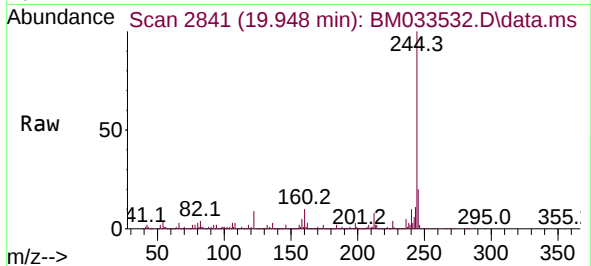
Tgt Ion:202 Resp: 104416
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 17.5 13.5 20.3



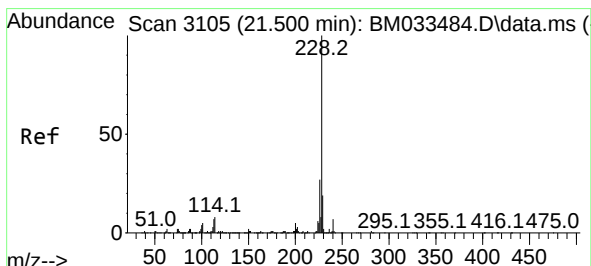
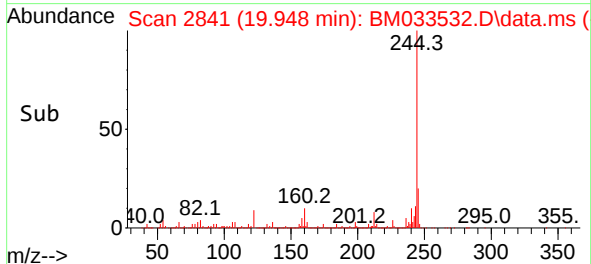
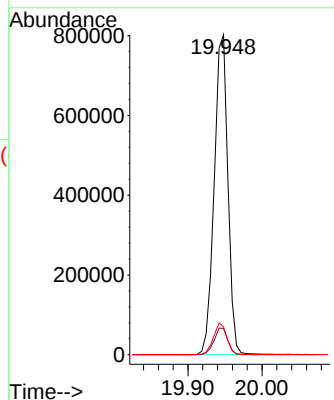


#79
 Terphenyl-d14
 Concen: 71.626 ng
 RT: 19.948 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM033532.D
 Acq: 18 Dec 2021 23:04

Instrument :
 BNA_M
 ClientSampleId :

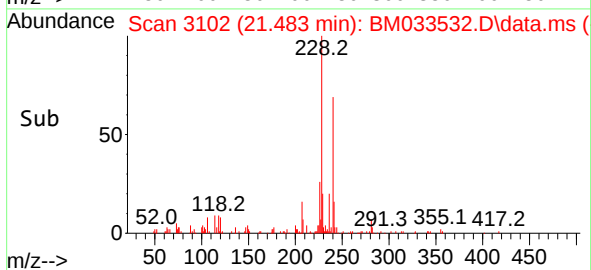
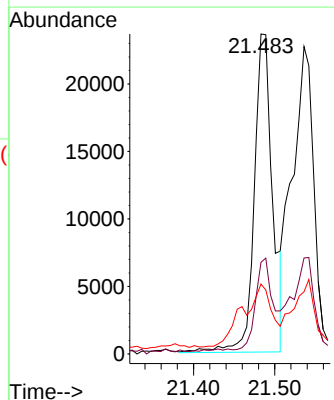
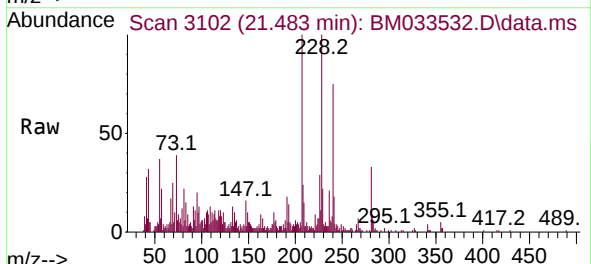


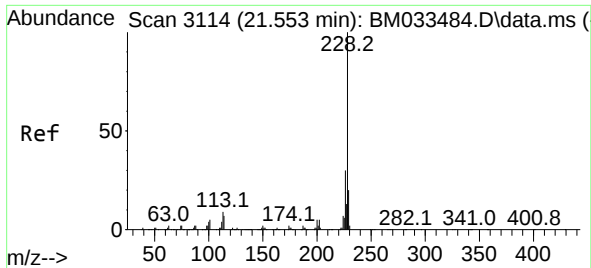
Tgt Ion:244 Resp: 1028488
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.9 8.9
 122 8.7 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 2.442 ng
 RT: 21.483 min Scan# 3102
 Delta R.T. -0.017 min
 Lab File: BM033532.D
 Acq: 18 Dec 2021 23:04

Tgt Ion:228 Resp: 36998
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.0 31.6
 229 21.9 15.5 23.3

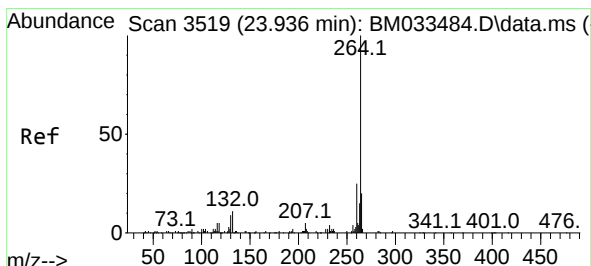
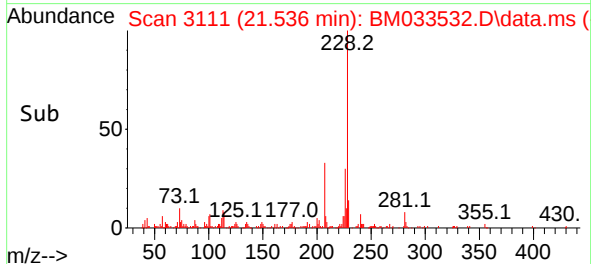
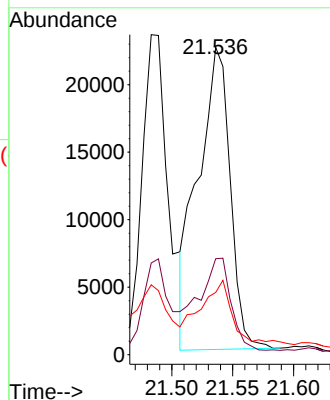
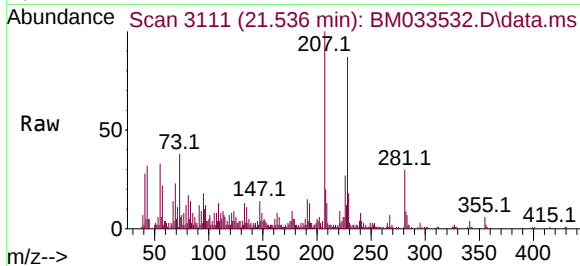




#83
Chrysene
Concen: 2.831 ng
RT: 21.536 min Scan# 3114
Delta R.T. -0.017 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

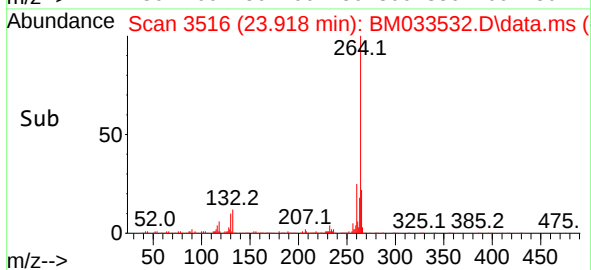
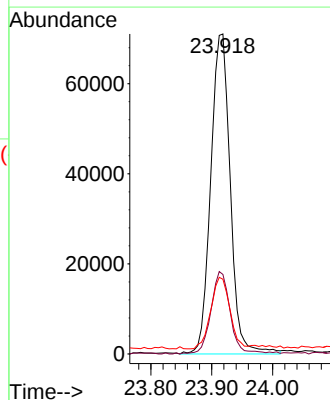
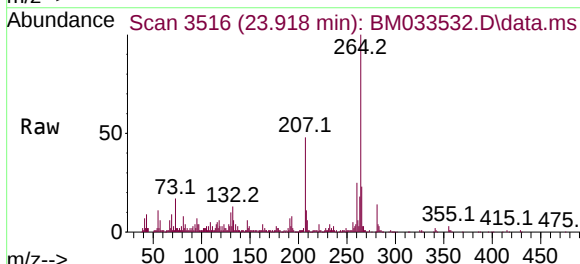
Instrument :
BNA_M
ClientSampleId :

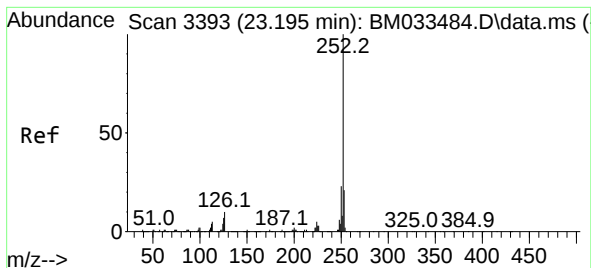
Tgt Ion:228	Resp: 41293
Ion Ratio	Lower Upper
228	100
226	31.2 23.8 35.8
229	20.2 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3516
Delta R.T. -0.018 min
Lab File: BM033532.D
Acq: 18 Dec 2021 23:04

Tgt Ion:264	Resp: 158540
Ion Ratio	Lower Upper
264	100
260	24.9 17.7 26.5
265	23.3 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 6.283 ng

RT: 23.177 min Scan# 3390

Delta R.T. -0.018 min

Lab File: BM033532.D

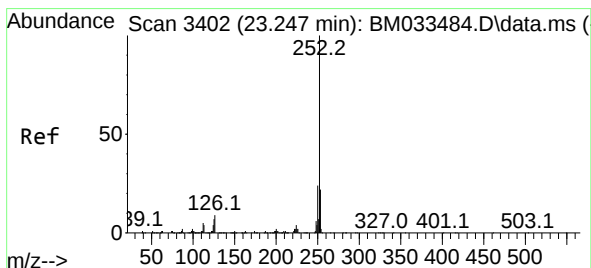
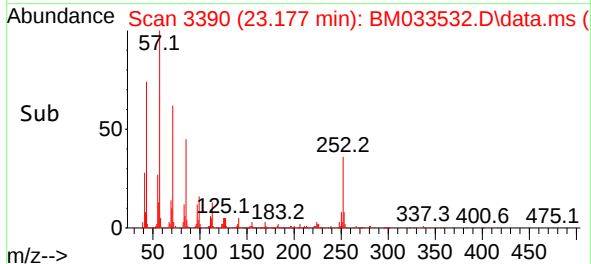
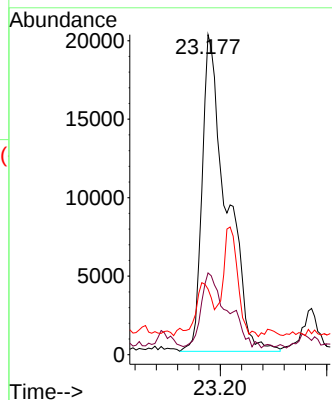
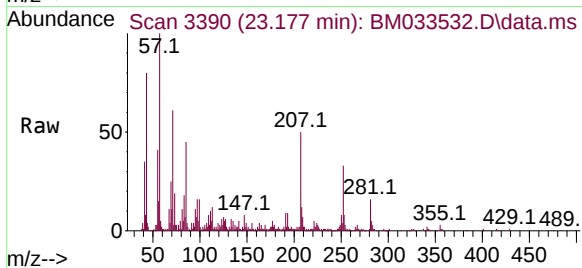
Acq: 18 Dec 2021 23:04

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:252	Resp:	63876
Ion Ratio	Lower	Upper
252	100	
253	25.5	17.1 25.7
125	20.5	7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 6.212 ng

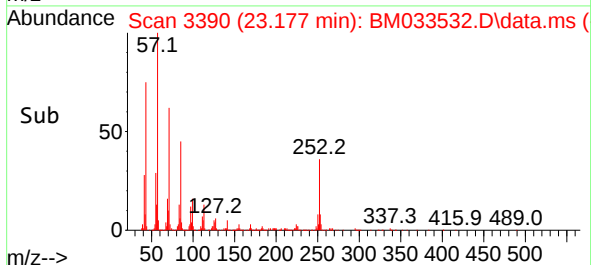
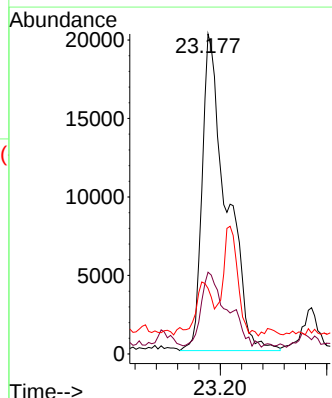
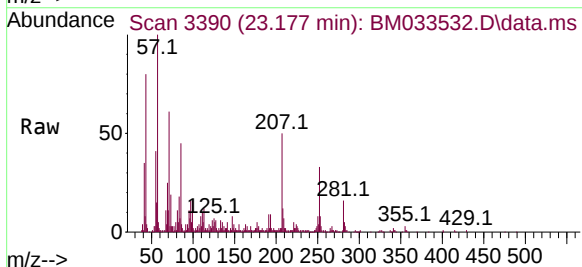
RT: 23.177 min Scan# 3390

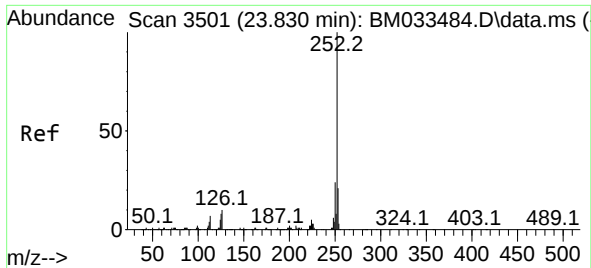
Delta R.T. -0.070 min

Lab File: BM033532.D

Acq: 18 Dec 2021 23:04

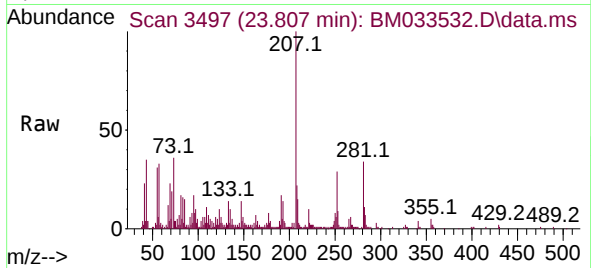
Tgt Ion:252	Resp:	63876
Ion Ratio	Lower	Upper
252	100	
253	25.5	17.8 26.8
125	20.5	8.1 12.1#





#90
 Benzo(a)pyrene
 Concen: 2.242 ng
 RT: 23.807 min Scan# 34
 Delta R.T. -0.023 min
 Lab File: BM033532.D
 Acq: 18 Dec 2021 23:04

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:	252	Resp:	17054
Ion Ratio	Lower	Upper	
252	100		
253	30.1	17.5	26.3#
125	19.1	7.8	11.8#

