

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012721\
 Data File : BM028558.D
 Acq On : 27 Jan 2021 01:36
 Operator : CG/JU
 Sample : M1228-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-01-012521

Quant Time: Jan 27 03:28:37 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 03:11:35 2021
 Response via : Initial Calibration

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

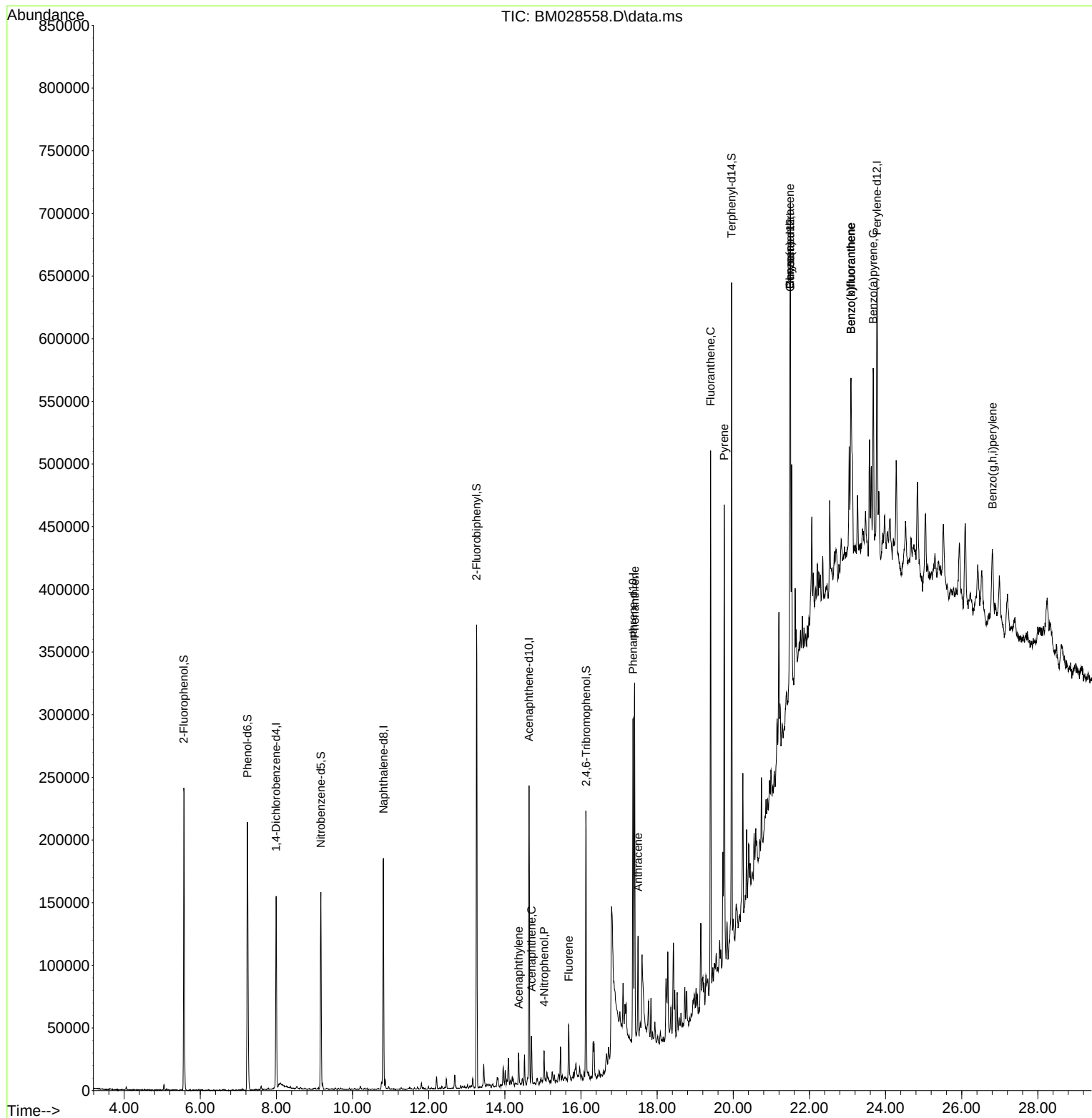
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	40922	20.00	ng	0.00
21) Naphthalene-d8	10.810	136	152295	20.00	ng	# 0.00
39) Acenaphthene-d10	14.633	164	79245	20.00	ng	0.00
64) Phenanthrene-d10	17.368	188	146469	20.00	ng	# 0.00
76) Chrysene-d12	21.497	240	139654	20.00	ng	# 0.00
86) Perylene-d12	23.774	264	146322	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	109113	42.12	ng	0.06
7) Phenol-d6	7.240	99	138400	39.24	ng	0.09
23) Nitrobenzene-d5	9.169	82	85199	26.53	ng	0.00
42) 2,4,6-Tribromophenol	16.133	330	37869	36.07	ng	0.02
45) 2-Fluorobiphenyl	13.257	172	181912	28.80	ng	0.00
79) Terphenyl-d14	19.956	244	204671	26.46	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.363	152	18381	2.24	ng	98
52) Acenaphthene	14.698	154	13799	2.71	ng	98
56) 4-Nitrophenol	15.033	139	4641	3.77	ng	# 1
58) Fluorene	15.680	166	20803	3.24	ng	99
71) Phenanthrene	17.409	178	163648	18.17	ng	99
72) Anthracene	17.498	178	48814	5.61	ng	98
75) Fluoranthene	19.403	202	230579	22.79	ng	96
78) Pyrene	19.762	202	213062	21.28	ng	99
81) Benzo(a)anthracene	21.486	228	96150	9.97	ng	95
83) Chrysene	21.486	228	96150	10.33	ng	96
88) Benzo(b)fluoranthene	23.091	252	155415	15.65	ng	# 88
89) Benzo(k)fluoranthene	23.091	252	155415	16.02	ng	# 88
90) Benzo(a)pyrene	23.674	252	90280	9.81	ng	# 90
92) Benzo(g,h,i)perylene	26.809	276	61096	6.89	ng	# 86

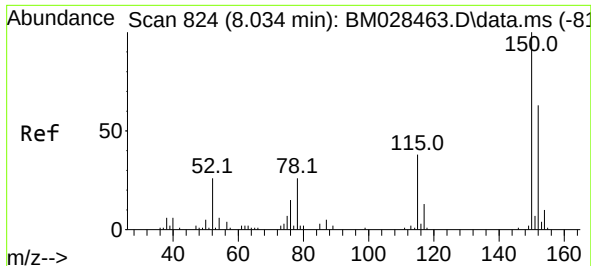
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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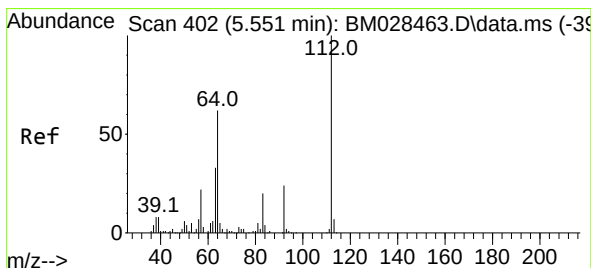
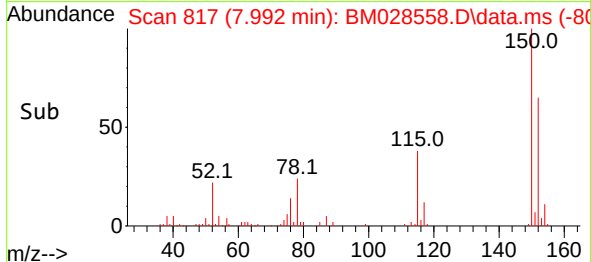
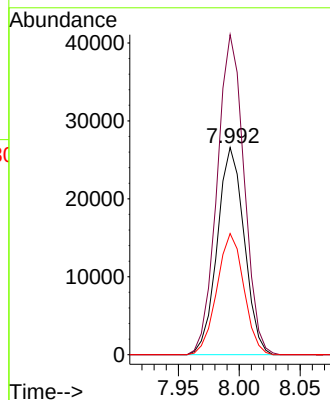
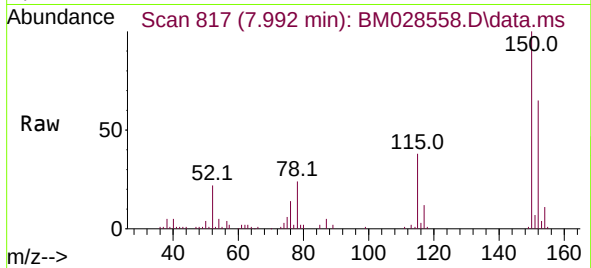




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.992 min Scan# 817
Delta R.T. -0.001 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

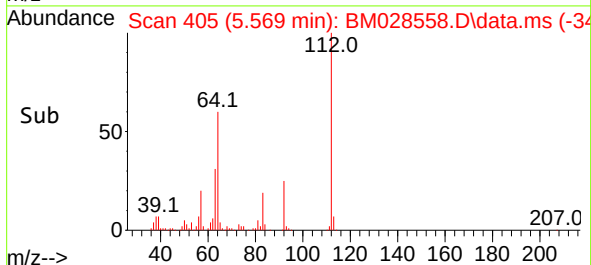
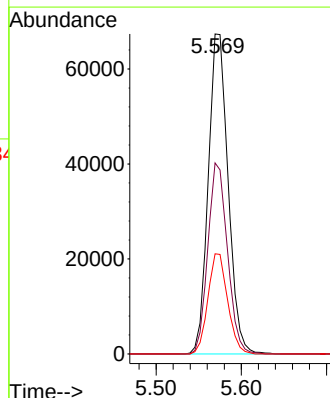
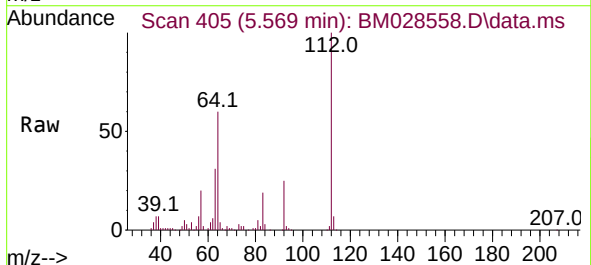
Instrument :
BNA_M
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OK-01-012521

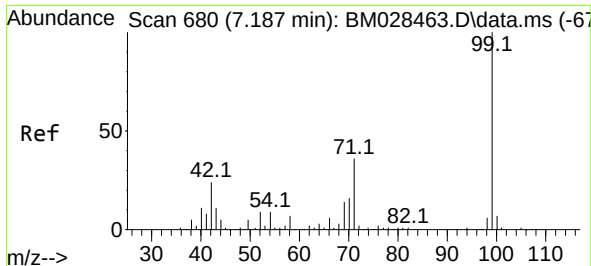
Tgt Ion:152 Resp: 40922
Ion Ratio Lower Upper
152 100
150 154.5 120.6 181.0
115 58.5 47.2 70.8



#5
2-Fluorophenol
Concen: 42.12 ng
RT: 5.569 min Scan# 405
Delta R.T. 0.058 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:112 Resp: 109113
Ion Ratio Lower Upper
112 100
64 59.7 50.6 76.0
63 31.3 31.0 46.6

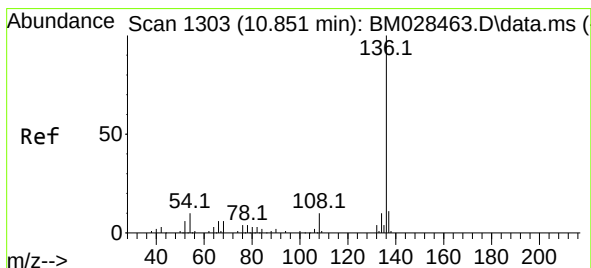
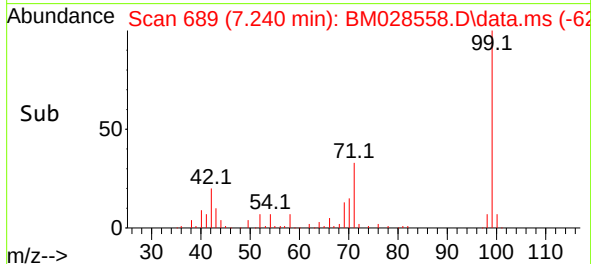
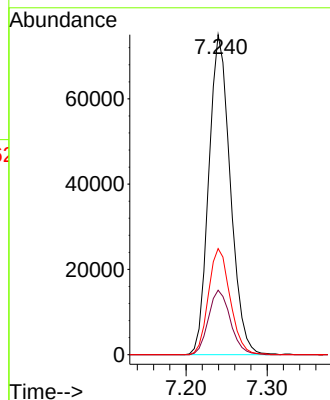
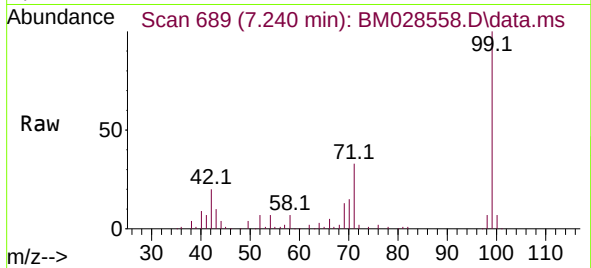




#7
Phenol-d6
Concen: 39.24 ng
RT: 7.240 min Scan# 689
Delta R.T. 0.088 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

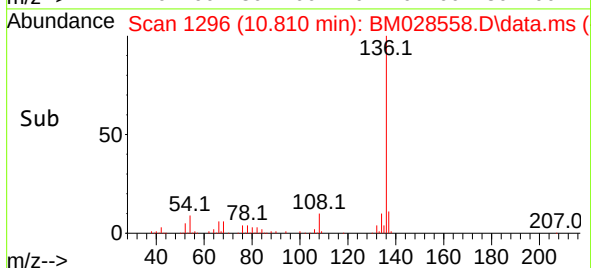
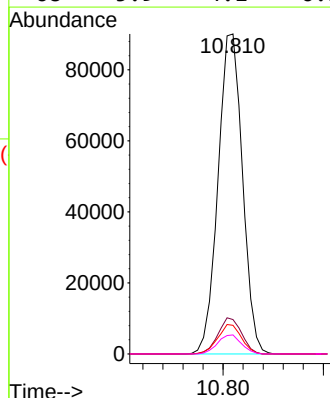
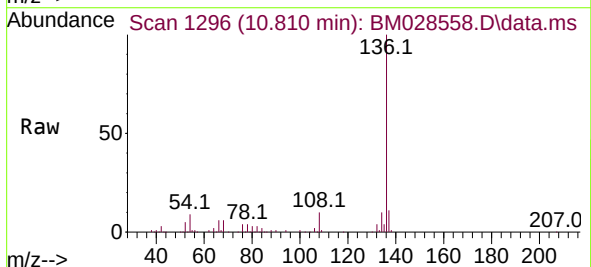
Instrument :
BNA_M
ClientSampleId :
OK-01-012521

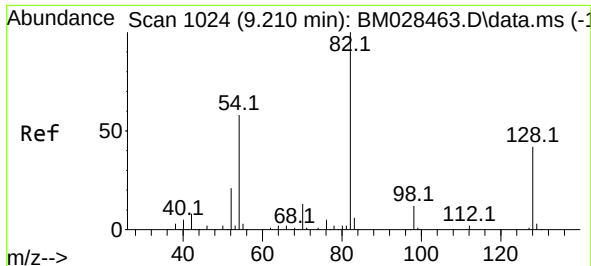
Tgt Ion: 99 Resp: 138400
Ion Ratio Lower Upper
99 100
42 20.1 13.5 20.3
71 33.2 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.810 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion: 136 Resp: 152295
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.0 4.6 7.0#
68 5.9 4.1 6.1

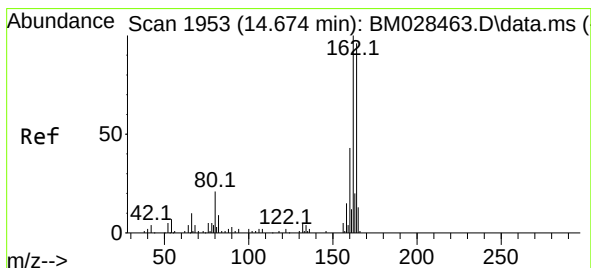
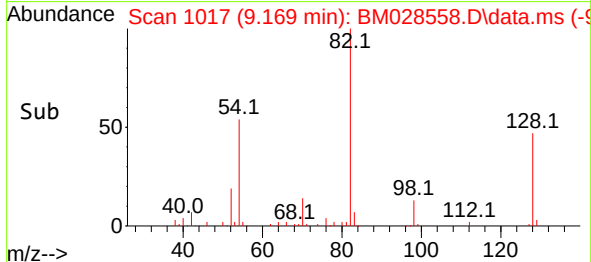
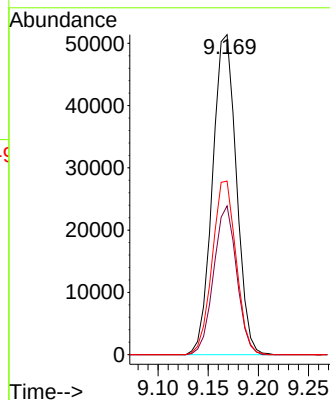
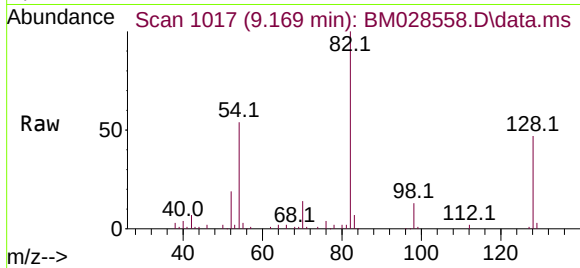




#23
Nitrobenzene-d5
Concen: 26.53 ng
RT: 9.169 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

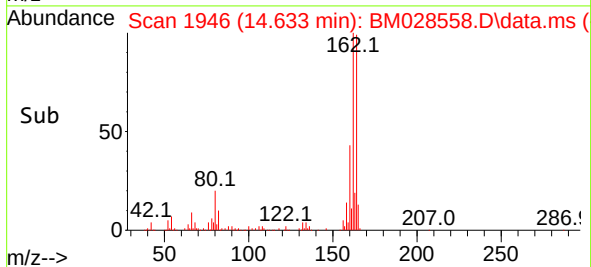
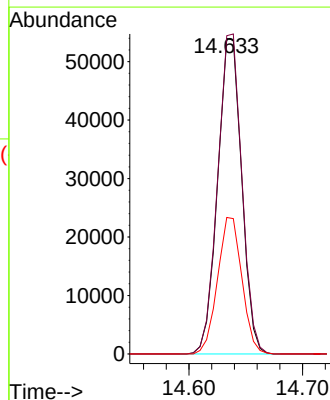
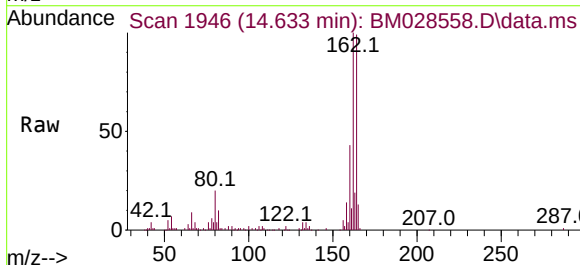
Instrument :
BNA_M
ClientSampleId :
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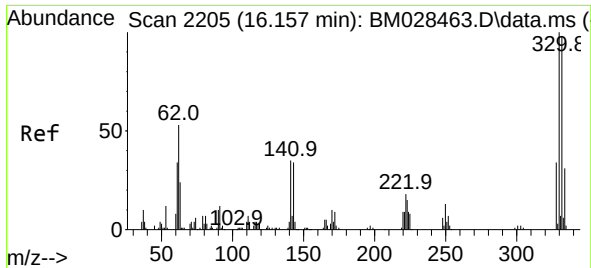
Tgt Ion: 82 Resp: 85199
Ion Ratio Lower Upper
82 100
128 46.5 27.4 41.0#
54 54.3 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.633 min Scan# 1946
Delta R.T. -0.000 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion: 164 Resp: 79245
Ion Ratio Lower Upper
164 100
162 100.9 80.4 120.6
160 43.3 35.9 53.9

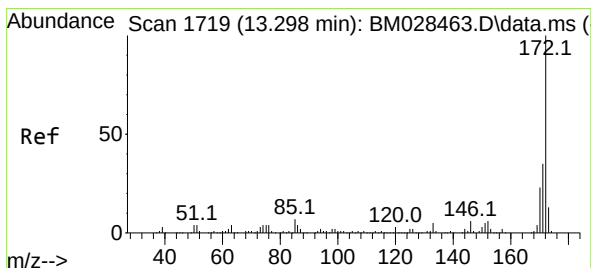
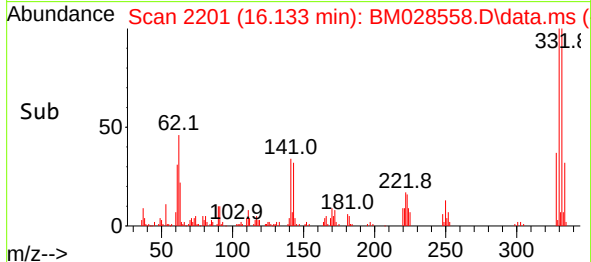
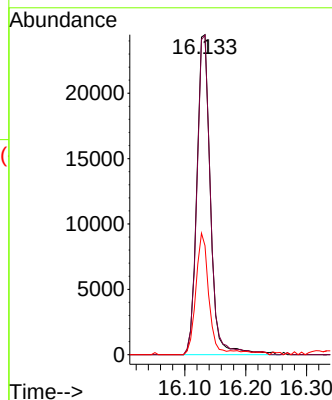
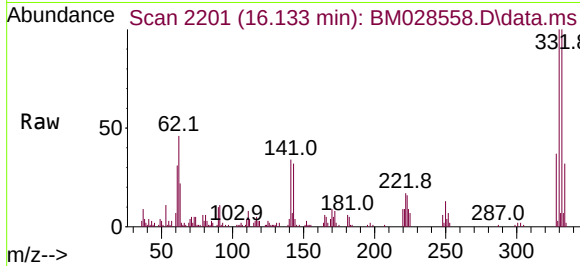




#42
2,4,6-Tribromophenol
Concen: 36.07 ng
RT: 16.133 min Scan# 2201
Delta R.T. 0.017 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

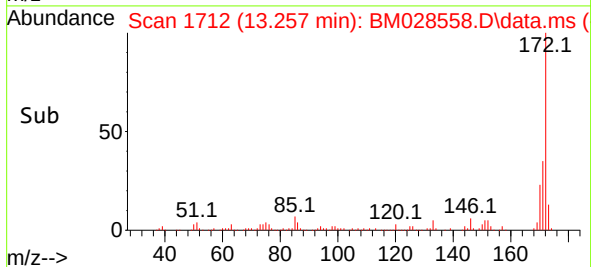
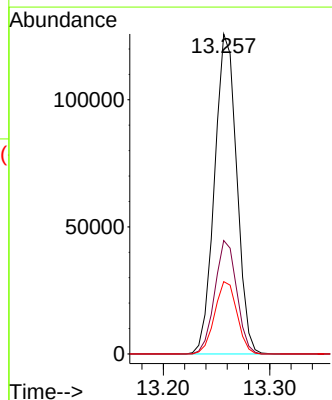
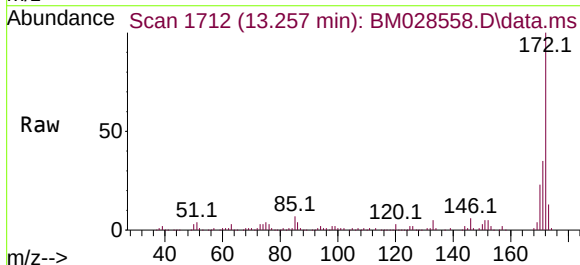
Instrument :
BNA_M
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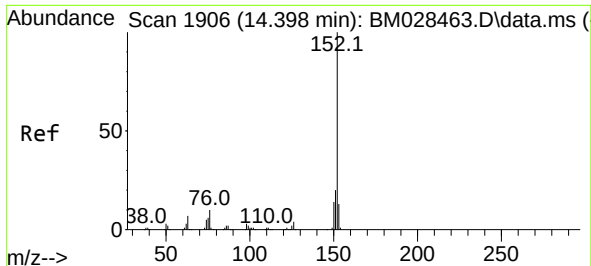
Tgt Ion:330 Resp: 37869
Ion Ratio Lower Upper
330 100
332 98.9 77.8 116.8
141 35.6 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 28.80 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:172 Resp: 181912
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 22.6 18.6 27.8

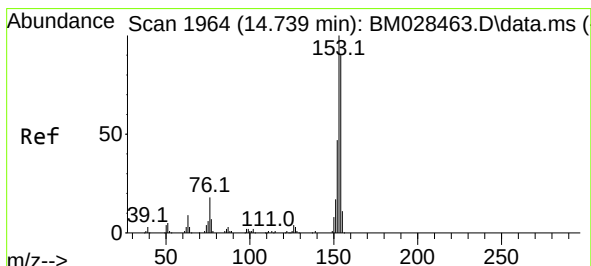
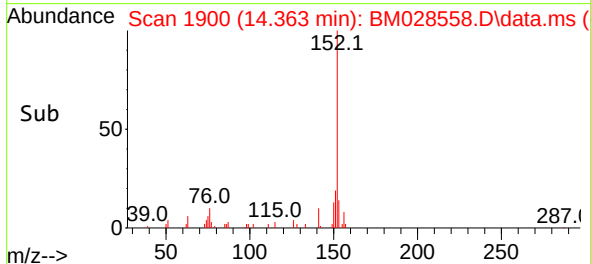
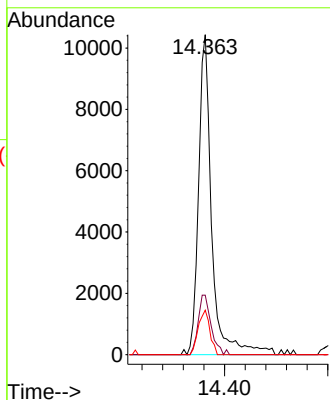
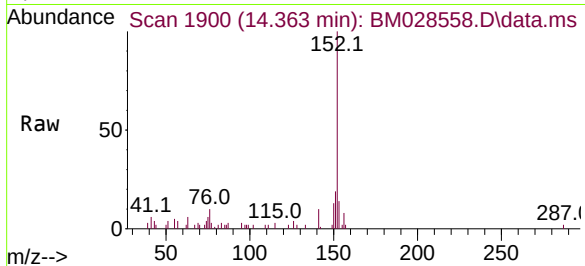




#49
Acenaphthylene
Concen: 2.24 ng
RT: 14.363 min Scan# 1900
Delta R.T. 0.006 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

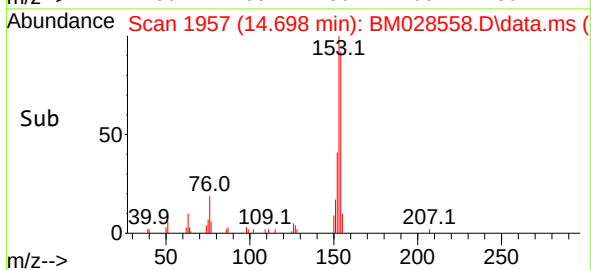
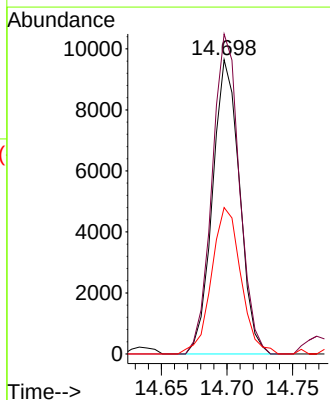
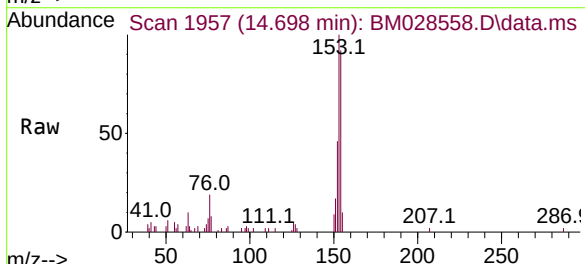
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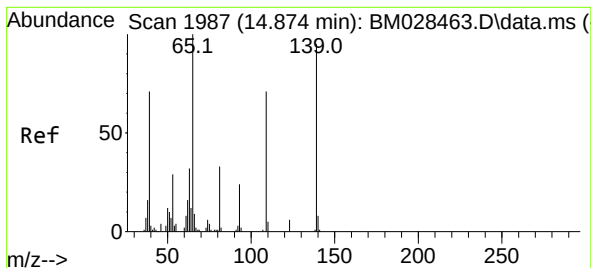
Tgt Ion:	152	Resp:	18381
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.8	23.6
153	13.9	10.4	15.6



#52
Acenaphthene
Concen: 2.71 ng
RT: 14.698 min Scan# 1957
Delta R.T. -0.000 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:	154	Resp:	13799
Ion Ratio	Lower	Upper	
154	100		
153	108.7	88.3	132.5
152	49.8	41.4	62.2

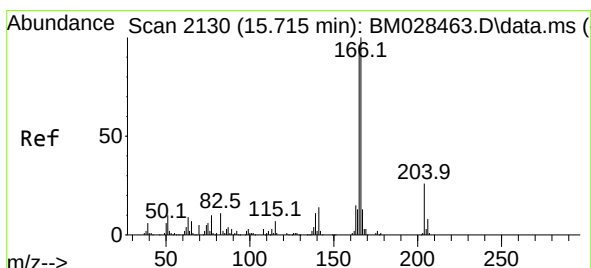
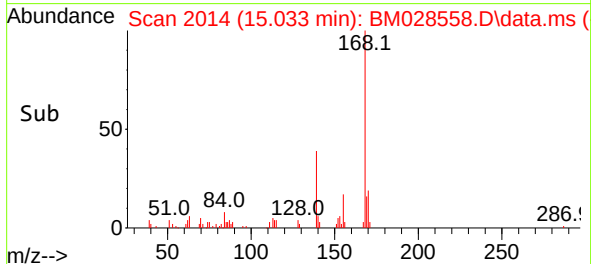
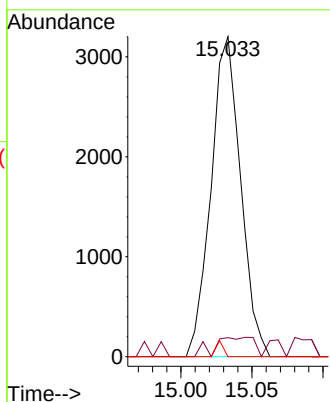
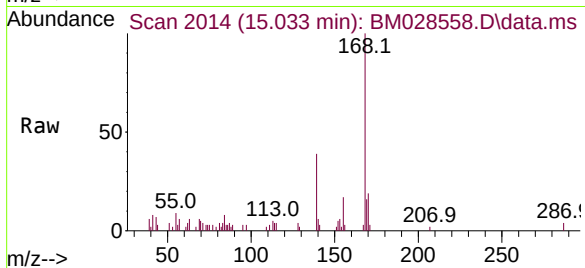




#56
4-Nitrophenol
Concen: 3.77 ng
RT: 15.033 min Scan# 2014
Delta R.T. 0.188 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

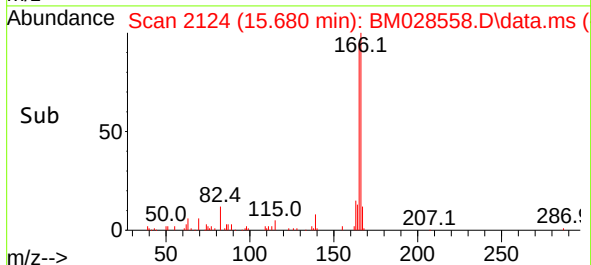
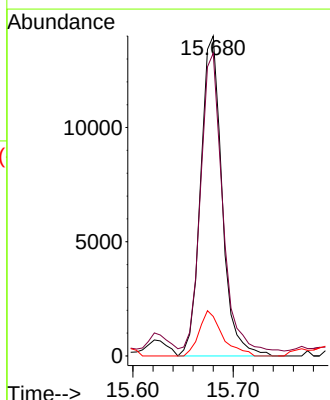
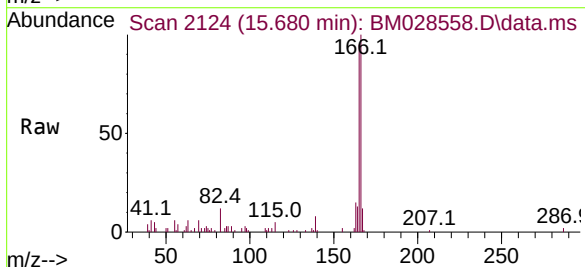
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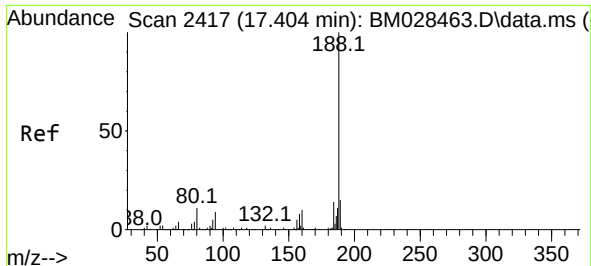
Tgt Ion:139 Resp: 4641
Ion Ratio Lower Upper
139 100
109 5.9 77.0 117.0#
65 0.0 103.4 143.4#



#58
Fluorene
Concen: 3.24 ng
RT: 15.680 min Scan# 2124
Delta R.T. 0.006 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:166 Resp: 20803
Ion Ratio Lower Upper
166 100
165 94.6 76.2 114.2
167 12.3 10.7 16.1

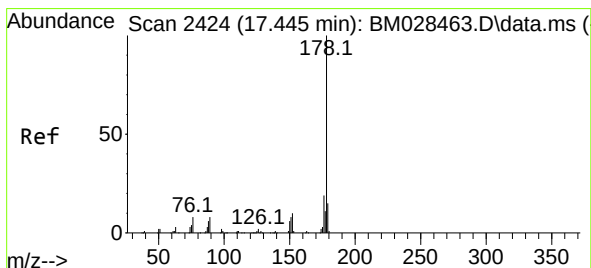
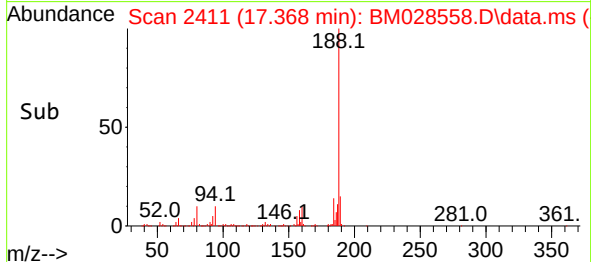
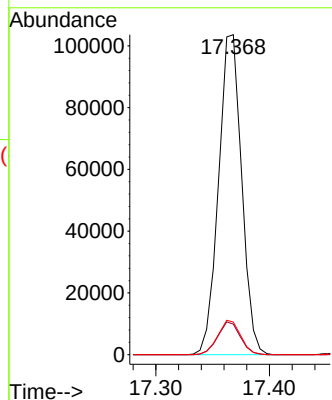
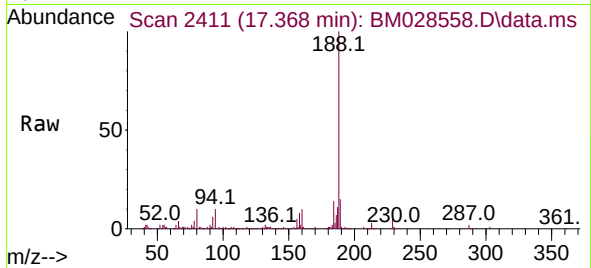




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.368 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

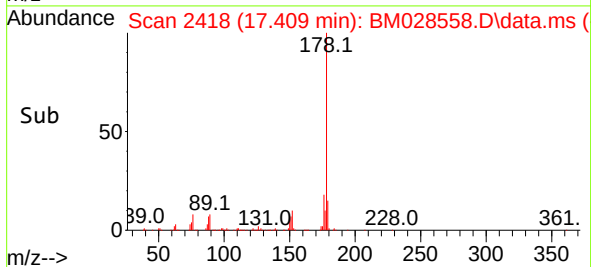
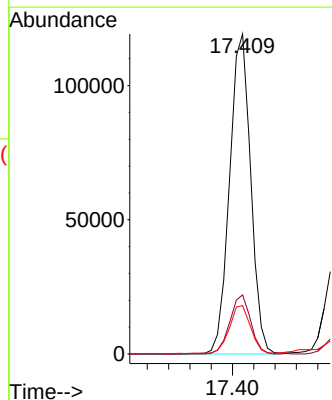
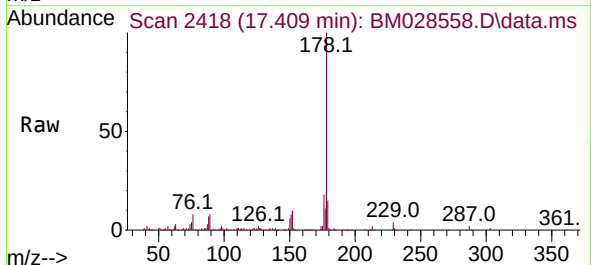
Instrument :
BNA_M
ClientSampleId :
OK-01-012521

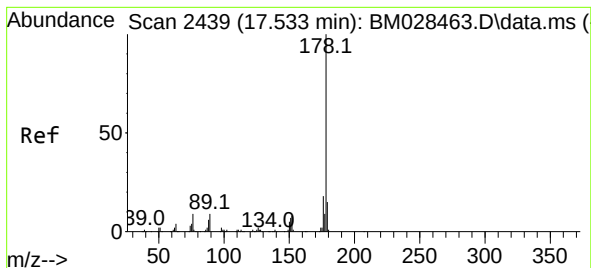
Tgt Ion:188 Resp: 146469
Ion Ratio Lower Upper
188 100
94 9.6 6.2 9.4#
80 10.2 7.5 11.3



#71
Phenanthrene
Concen: 18.17 ng
RT: 17.409 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:178 Resp: 163648
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.1 12.2 18.4

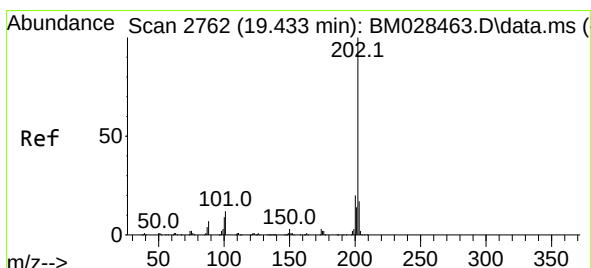
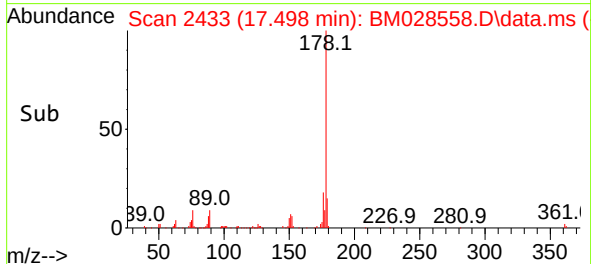
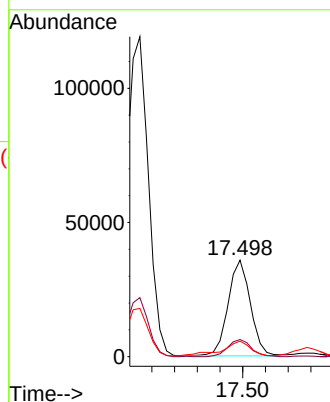
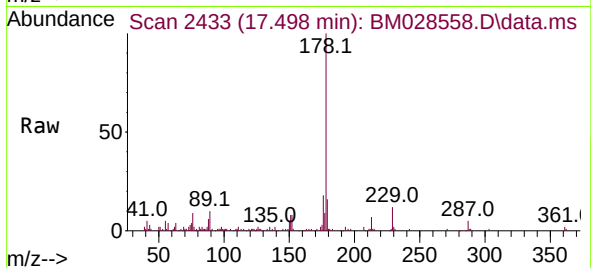




#72
 Anthracene
 Concen: 5.61 ng
 RT: 17.498 min Scan# 2433
 Delta R.T. -0.000 min
 Lab File: BM028558.D
 Acq: 27 Jan 2021 01:36

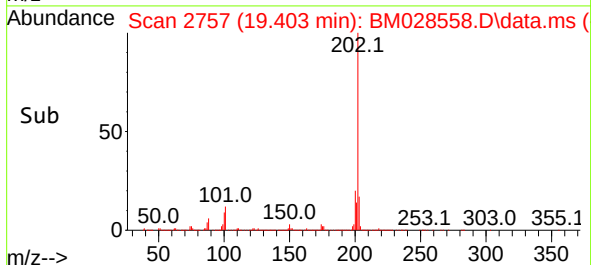
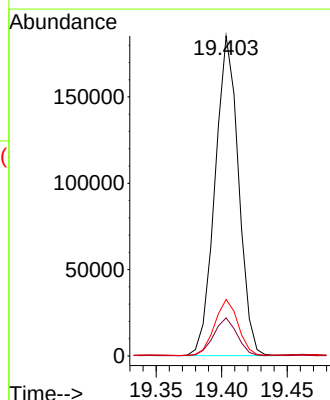
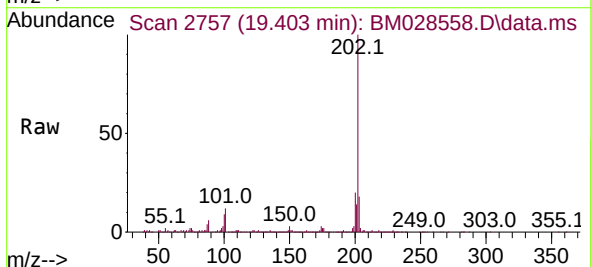
Instrument :
 BNA_M
 ClientSampleId :
 OK-01-012521

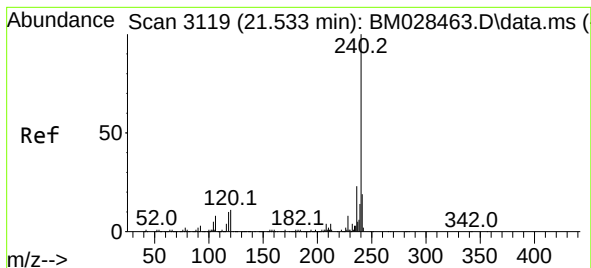
Tgt Ion:178 Resp: 48814
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.0 22.4
 179 16.0 12.5 18.7



#75
 Fluoranthene
 Concen: 22.79 ng
 RT: 19.403 min Scan# 2757
 Delta R.T. -0.000 min
 Lab File: BM028558.D
 Acq: 27 Jan 2021 01:36

Tgt Ion:202 Resp: 230579
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 28.5
 203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.497 min Scan# 3113

Delta R.T. -0.000 min

Lab File: BM028558.D

Acq: 27 Jan 2021 01:36

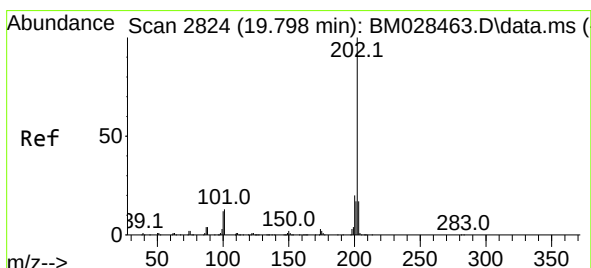
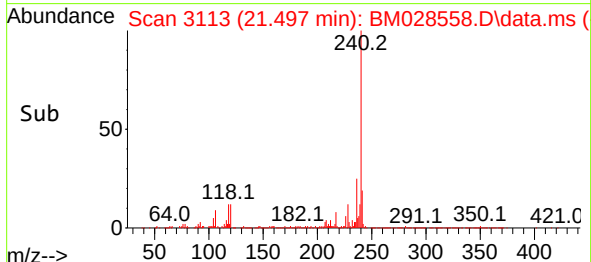
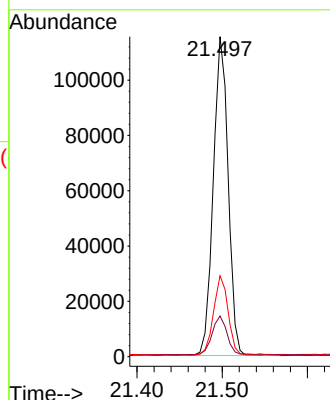
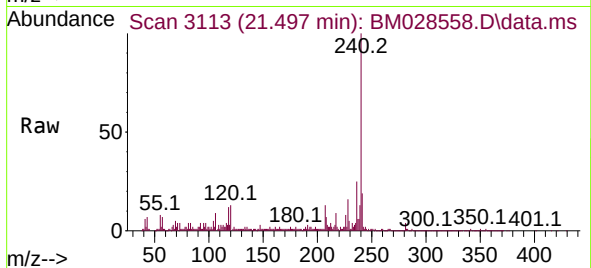
Tgt Ion:	240	Resp:	139654
Ion Ratio	Lower	Upper	
240	100		
120	12.7	6.4	9.6#
236	25.3	20.1	30.1

Instrument :

BNA_M

ClientSampleId :

OK-01-012521



#78

Pyrene

Concen: 21.28 ng

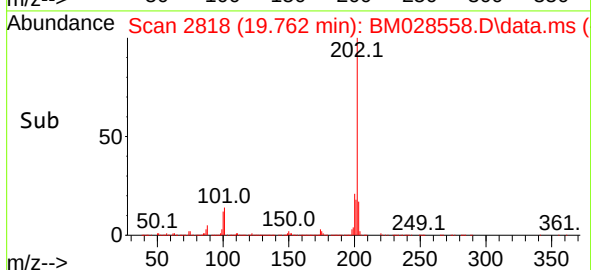
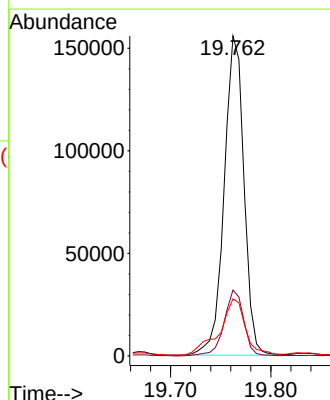
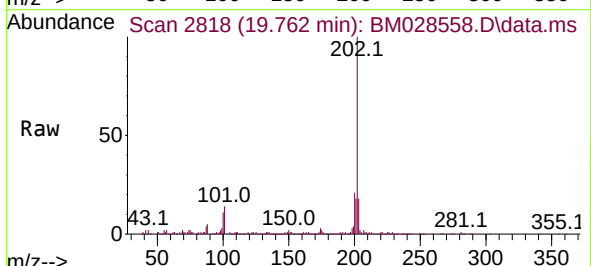
RT: 19.762 min Scan# 2818

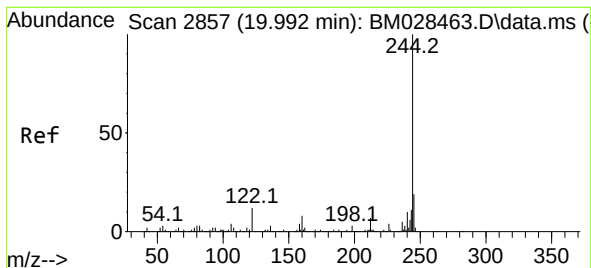
Delta R.T. -0.000 min

Lab File: BM028558.D

Acq: 27 Jan 2021 01:36

Tgt Ion:	202	Resp:	213062
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	24.8
203	17.8	13.8	20.6





#79

Terphenyl-d14

Concen: 26.46 ng

RT: 19.956 min Scan# 2851

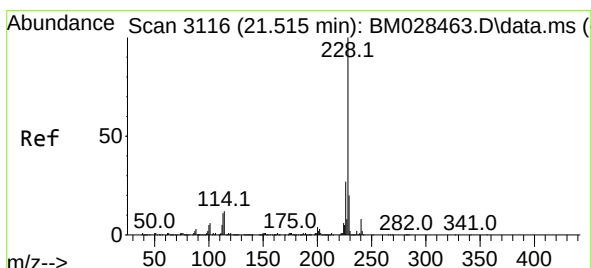
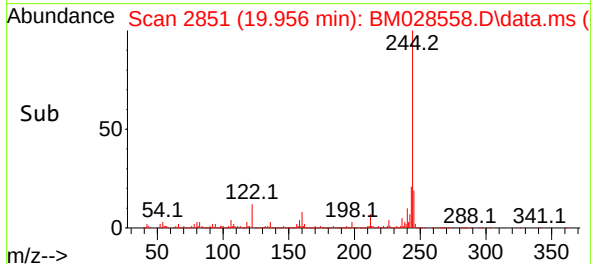
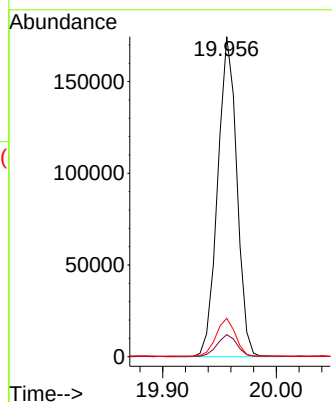
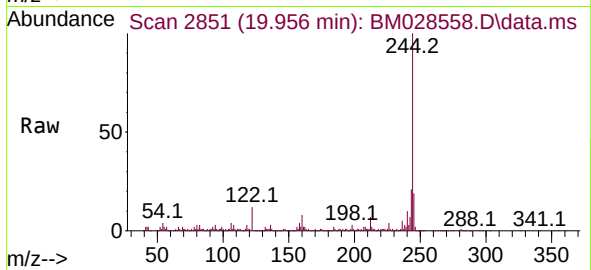
Delta R.T. -0.000 min

Lab File: BM028558.D

Acq: 27 Jan 2021 01:36

Tgt Ion:244	Resp:	204671
Ion Ratio	Lower	Upper
244	100	
212	6.9	5.8 8.8
122	12.0	6.5 9.7#

Instrument :
BNA_M
ClientSampleId :
OK-01-012521



#81

Benzo(a)anthracene

Concen: 9.97 ng

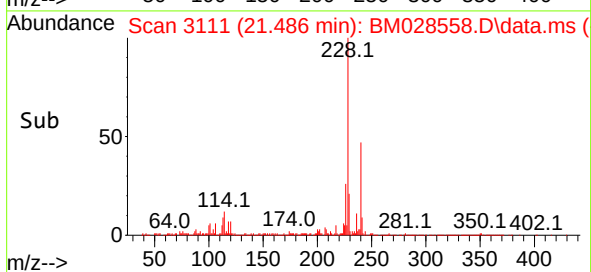
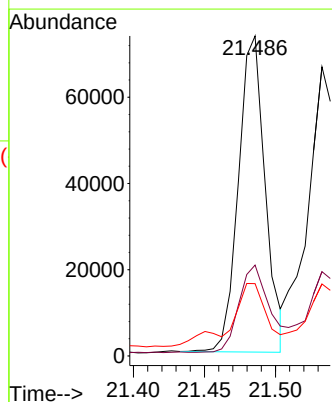
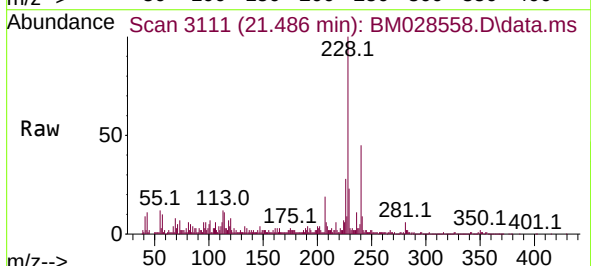
RT: 21.486 min Scan# 3111

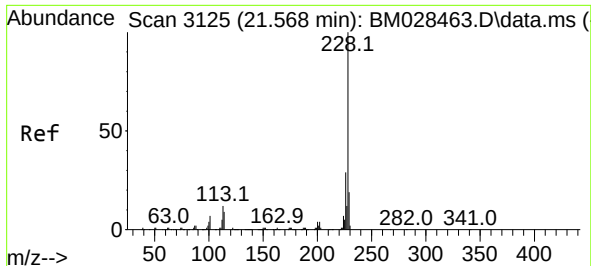
Delta R.T. 0.005 min

Lab File: BM028558.D

Acq: 27 Jan 2021 01:36

Tgt Ion:228	Resp:	96150
Ion Ratio	Lower	Upper
228	100	
226	28.4	21.1 31.7
229	22.6	15.7 23.5

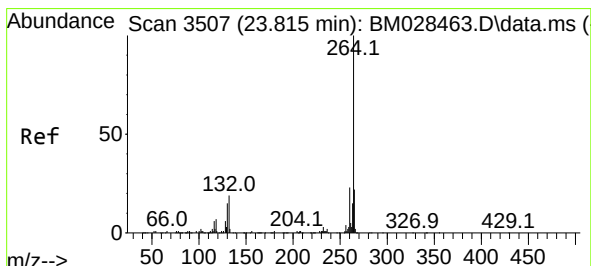
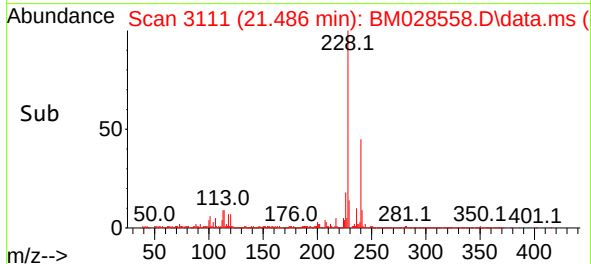
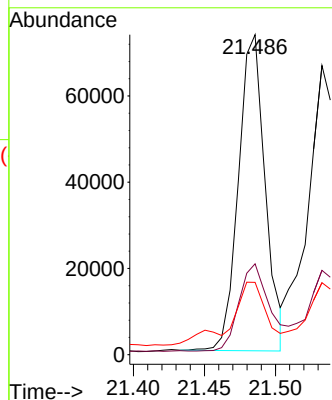
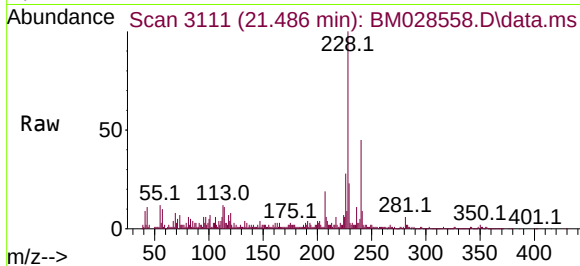




#83
Chrysene
Concen: 10.33 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.047 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

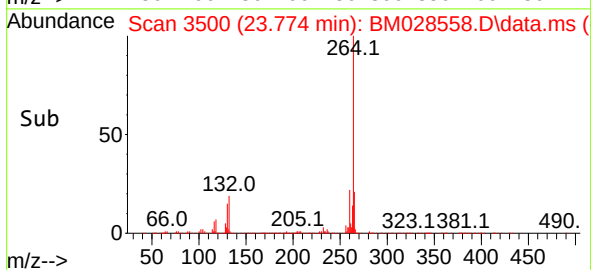
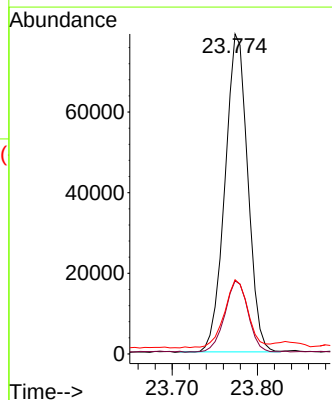
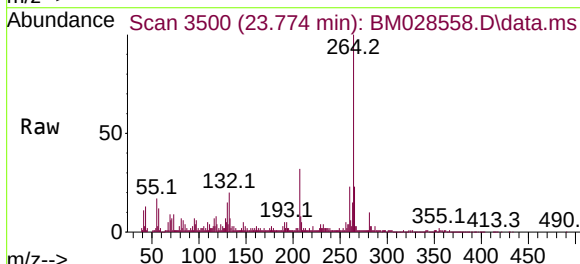
Instrument :
BNA_M
ClientSampleId :
OK-01-012521

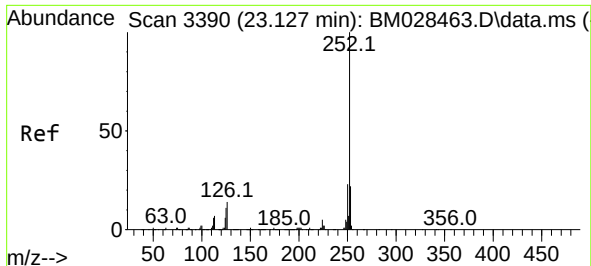
Tgt Ion:228 Resp: 96150
Ion Ratio Lower Upper
228 100
226 28.4 23.4 35.0
229 22.6 15.7 23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.774 min Scan# 3500
Delta R.T. 0.011 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:264 Resp: 146322
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.4
265 23.2 17.7 26.5

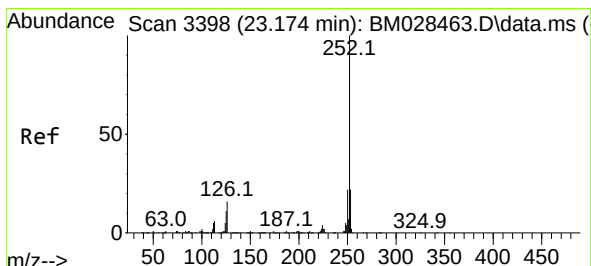
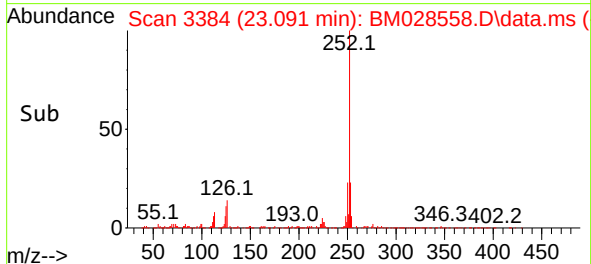
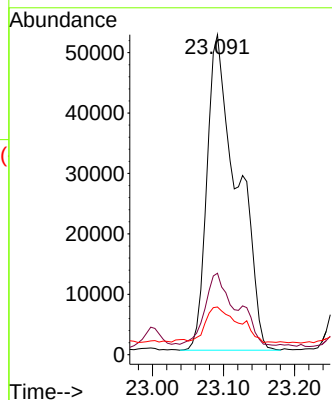
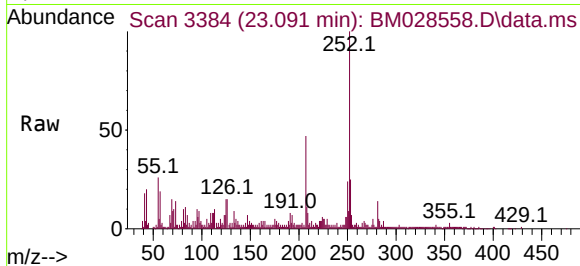




#88
Benzo(b)fluoranthene
Concen: 15.65 ng
RT: 23.091 min Scan# 3384
Delta R.T. 0.006 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

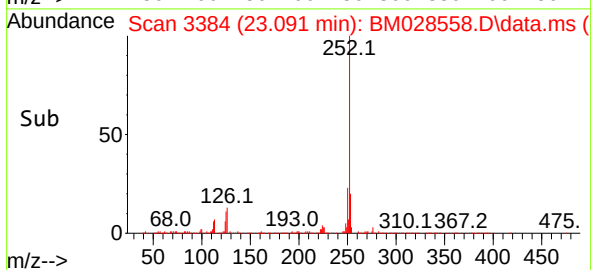
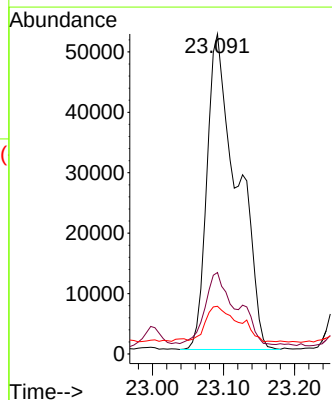
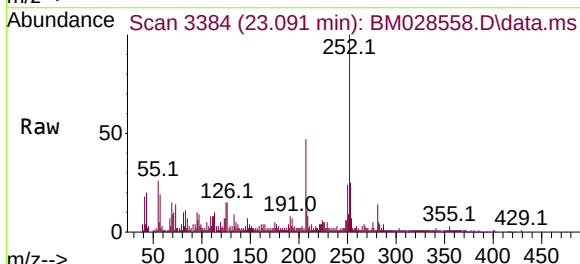
Instrument :
BNA_M
ClientSampleId :
OK-01-012521

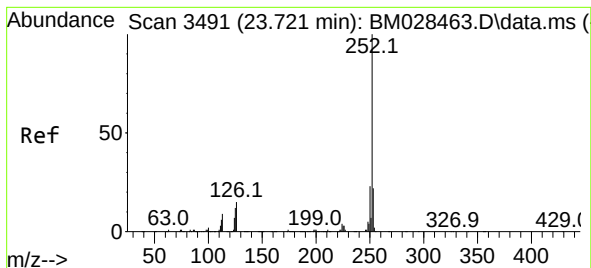
Tgt Ion:252 Resp: 155415
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 14.9 5.7 8.5#



#89
Benzo(k)fluoranthene
Concen: 16.02 ng
RT: 23.091 min Scan# 3384
Delta R.T. -0.036 min
Lab File: BM028558.D
Acq: 27 Jan 2021 01:36

Tgt Ion:252 Resp: 155415
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 14.9 5.6 8.4#





#90

Benzo(a)pyrene

Concen: 9.81 ng

RT: 23.674 min Scan# 3483

Delta R.T. 0.006 min

Lab File: BM028558.D

Acq: 27 Jan 2021 01:36

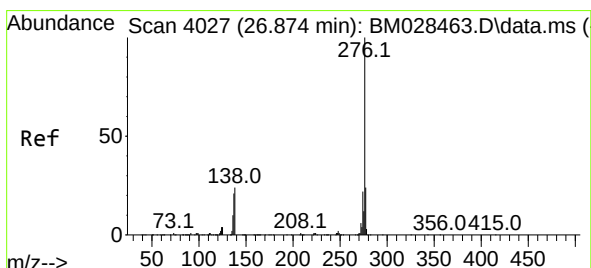
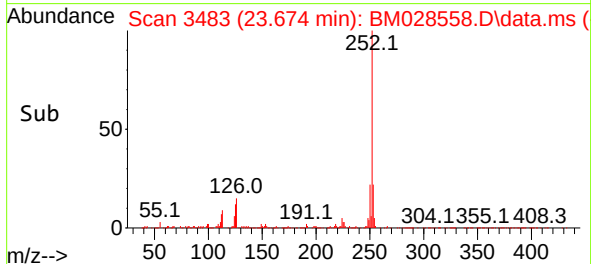
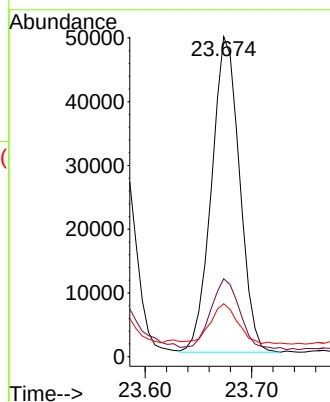
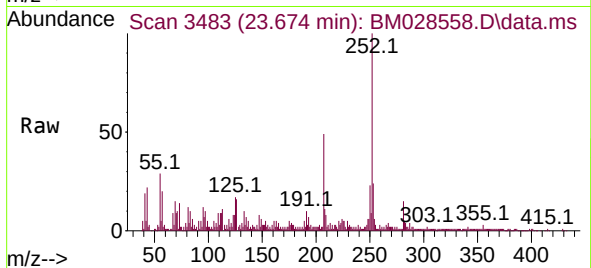
Tgt Ion:252	Resp:	90280
Ion Ratio	Lower	Upper
252	100	
253	24.4	17.4 26.2
125	16.5	6.6 9.8#

Instrument :

BNA_M

ClientSampleId :

OK-01-012521



#92

Benzo(g,h,i)perylene

Concen: 6.89 ng

RT: 26.809 min Scan# 4016

Delta R.T. 0.017 min

Lab File: BM028558.D

Acq: 27 Jan 2021 01:36

Tgt Ion:276	Resp:	61096
Ion Ratio	Lower	Upper
276	100	
277	25.9	18.6 28.0
138	26.2	12.2 18.2#

