

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012121\
 Data File : BM028505.D
 Acq On : 22 Jan 2021 01:21
 Operator : CG/JU
 Sample : M1169-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-D

Quant Time: Jan 22 02:06:45 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 20 14:45:01 2021
 Response via : Initial Calibration

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

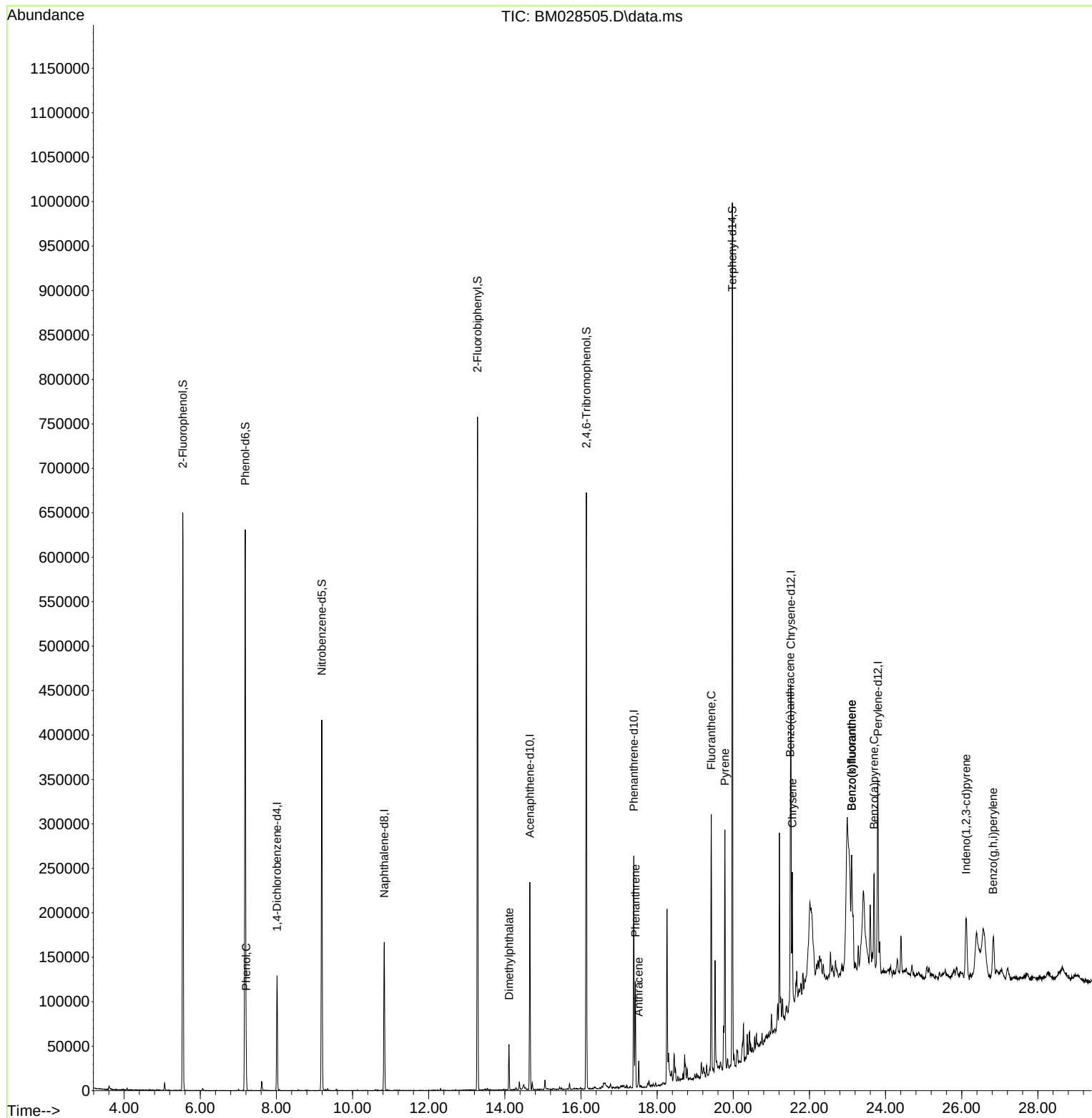
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	34118	20.00	ng	-0.02
21) Naphthalene-d8	10.834	136	133589	20.00	ng	#-0.02
39) Acenaphthene-d10	14.657	164	71707	20.00	ng	-0.02
64) Phenanthrene-d10	17.386	188	142686	20.00	ng	#-0.02
76) Chrysene-d12	21.515	240	138179	20.00	ng	#-0.02
86) Perylene-d12	23.797	264	140213	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	260885	120.79	ng	-0.01
7) Phenol-d6	7.181	99	339818	115.55	ng	0.00
23) Nitrobenzene-d5	9.192	82	215516	76.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.139	330	112882	118.81	ng	-0.02
45) 2-Fluorobiphenyl	13.280	172	376894	65.94	ng	-0.02
79) Terphenyl-d14	19.974	244	400898	52.39	ng	-0.02
Target Compounds						
						Qvalue
10) Phenol	7.204	94	18475	6.67	ng	87
50) Dimethylphthalate	14.110	163	31505	5.34	ng	99
71) Phenanthrene	17.427	178	65108	7.42	ng	100
72) Anthracene	17.515	178	18272	2.16	ng	99
75) Fluoranthene	19.421	202	157097	15.94	ng	97
78) Pyrene	19.780	202	148193	14.96	ng	99
81) Benzo(a)anthracene	21.498	228	85516	8.96	ng	99
83) Chrysene	21.550	228	71609	7.77	ng	97
87) Indeno(1,2,3-cd)pyrene	26.115	276	55279	5.29	ng	# 94
88) Benzo(b)fluoranthene	23.109	252	96324	10.12	ng	# 94
89) Benzo(k)fluoranthene	23.109	252	96324	10.36	ng	# 94
90) Benzo(a)pyrene	23.697	252	72020	8.17	ng	# 95
92) Benzo(g,h,i)perylene	26.827	276	54324	6.39	ng	# 90

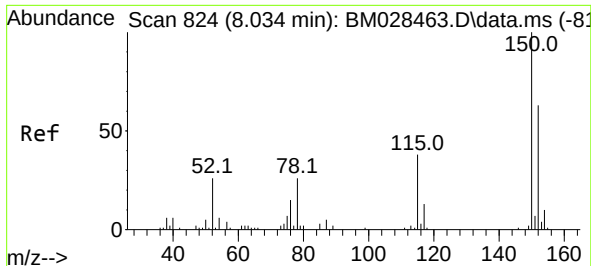
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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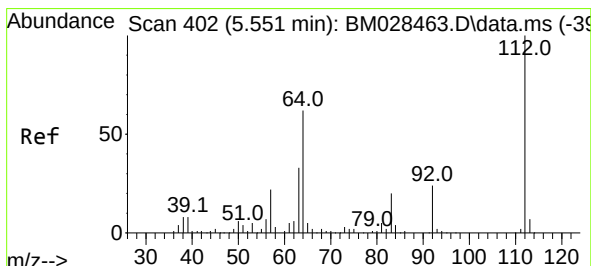
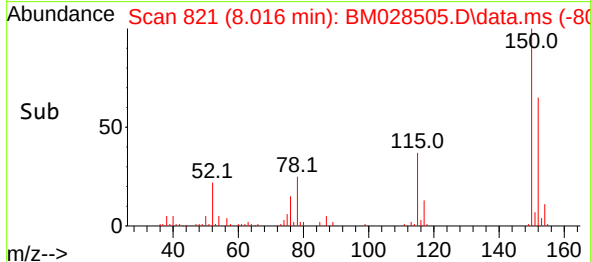
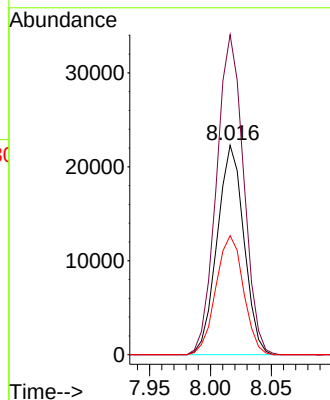
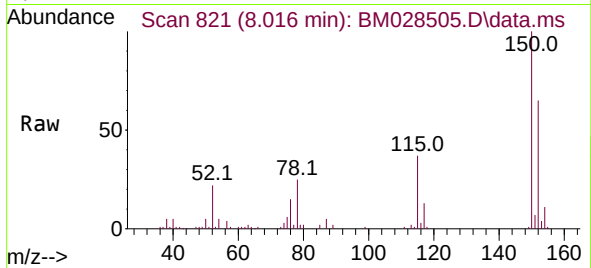




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.016 min Scan# 821
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

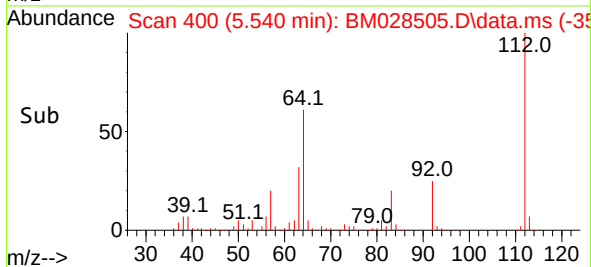
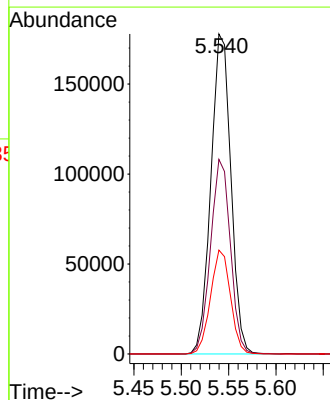
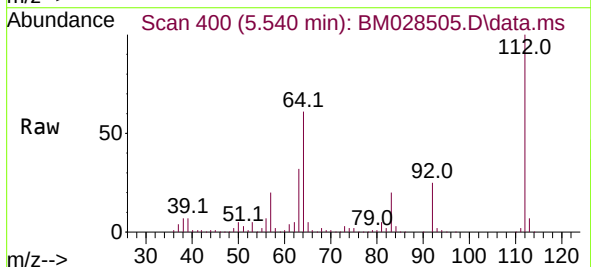
Instrument :
BNA_M
ClientSampleId :
TP-D

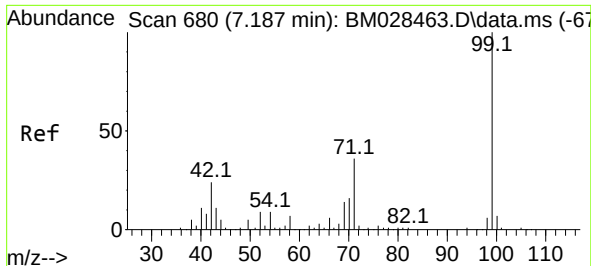
Tgt Ion:152 Resp: 34118
Ion Ratio Lower Upper
152 100
150 152.8 120.6 181.0
115 56.8 47.2 70.8



#5
2-Fluorophenol
Concen: 120.79 ng
RT: 5.540 min Scan# 400
Delta R.T. -0.012 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion:112 Resp: 260885
Ion Ratio Lower Upper
112 100
64 60.8 50.6 76.0
63 32.5 31.0 46.6

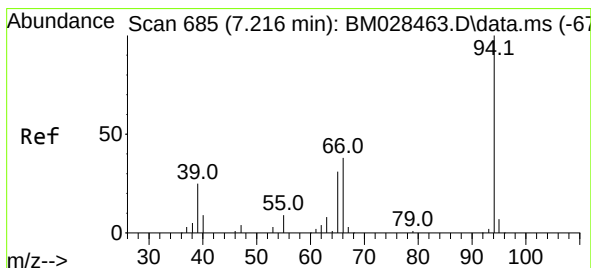
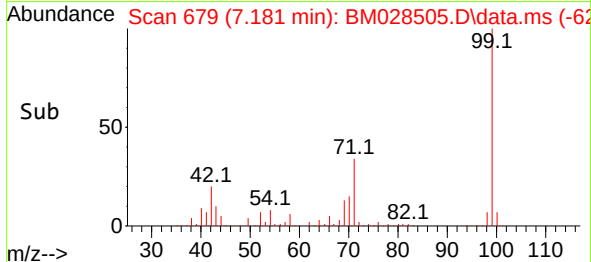
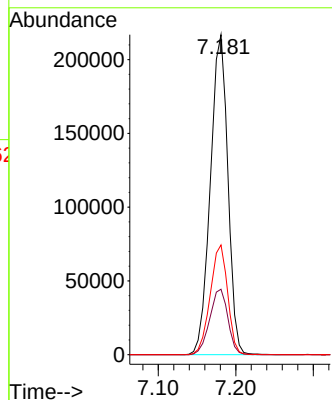
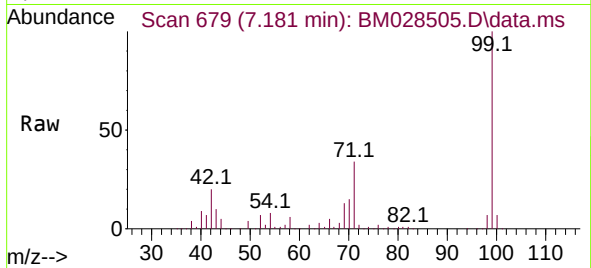




#7
Phenol-d6
Concen: 115.55 ng
RT: 7.181 min Scan# 679
Delta R.T. -0.006 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

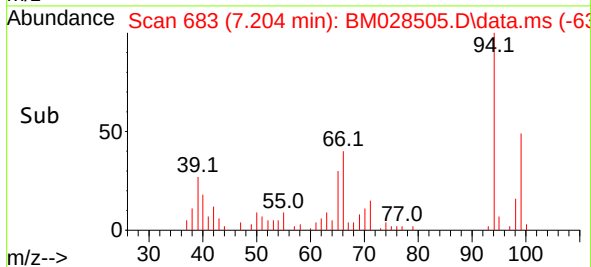
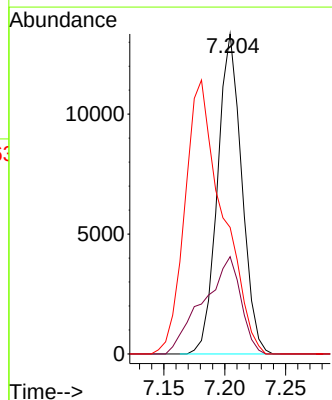
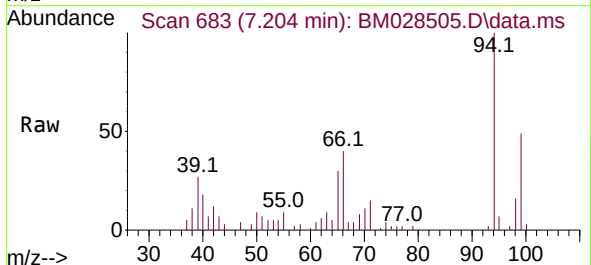
Instrument :
BNA_M
ClientSampleId :
TP-D

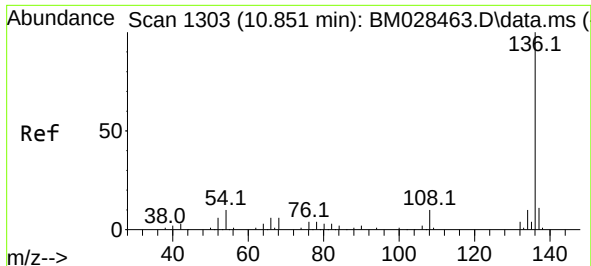
Tgt Ion: 99 Resp: 339818
Ion Ratio Lower Upper
99 100
42 20.5 13.5 20.3#
71 34.3 39.4 59.0#



#10
Phenol
Concen: 6.67 ng
RT: 7.204 min Scan# 683
Delta R.T. -0.012 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion: 94 Resp: 18475
Ion Ratio Lower Upper
94 100
65 30.4 16.4 56.4
66 39.6 30.2 70.2

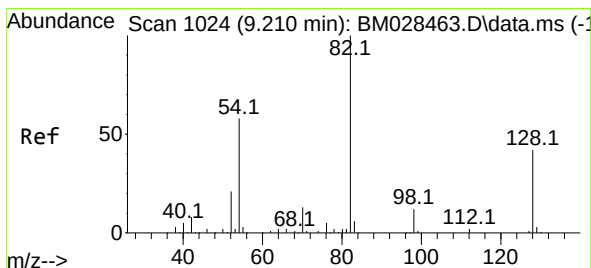
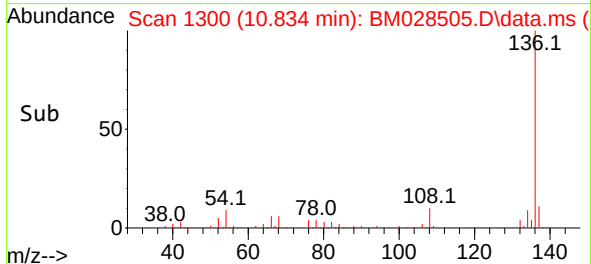
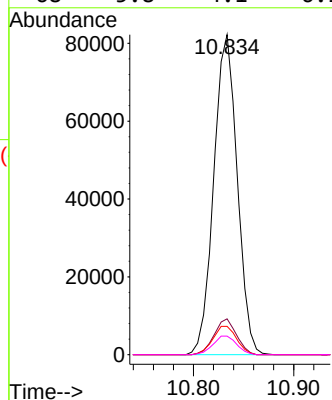
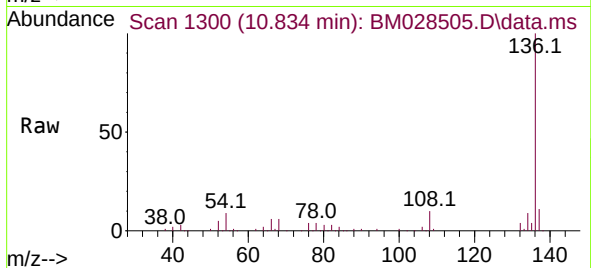




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.834 min Scan# 1300
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

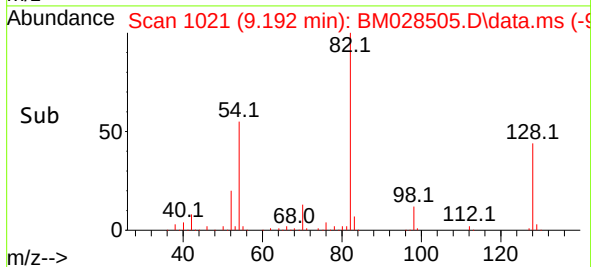
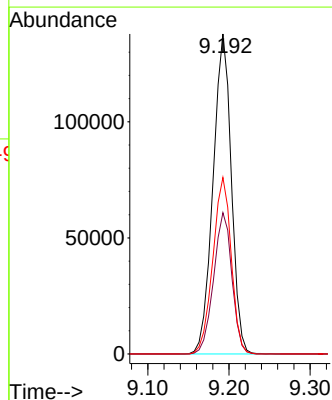
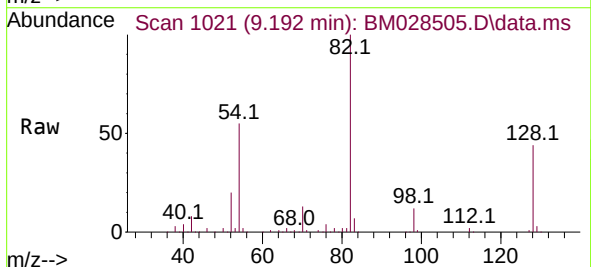
Instrument :
BNA_M
ClientSampled :
TP-D

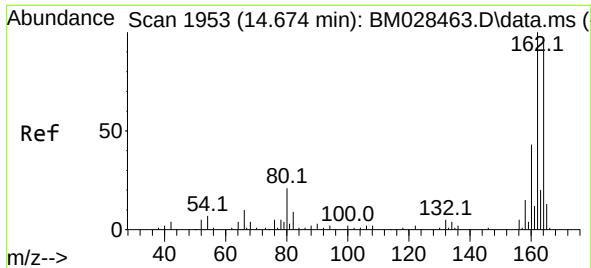
Tgt Ion:	136	Resp:	133589
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	8.9	4.6	7.0#
68	5.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 76.52 ng
RT: 9.192 min Scan# 1021
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion:	82	Resp:	215516
Ion Ratio	Lower	Upper	
82	100		
128	44.1	27.4	41.0#
54	55.1	31.4	47.0#

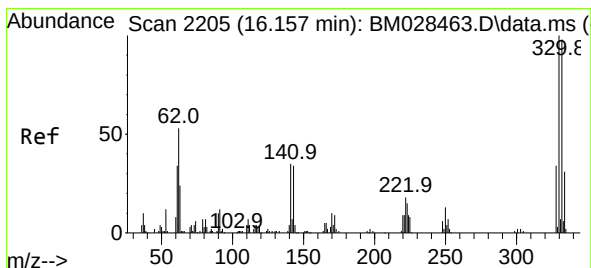
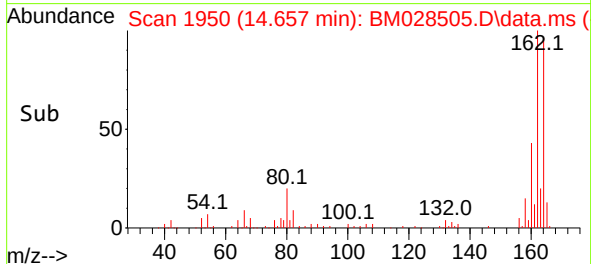
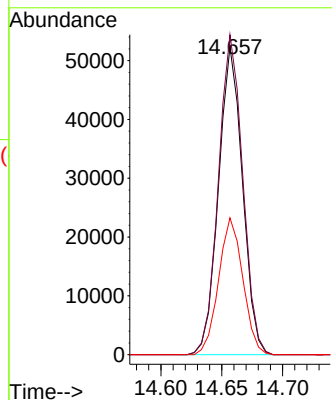
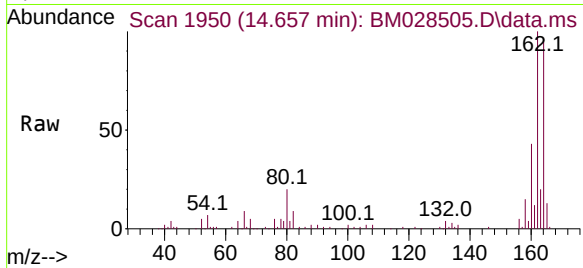




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.657 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

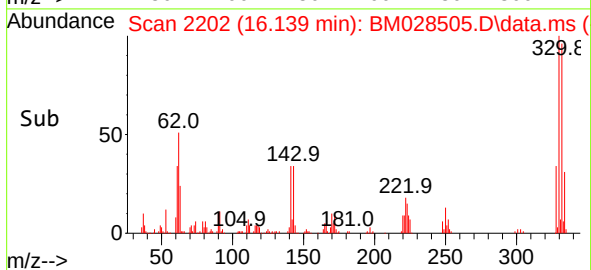
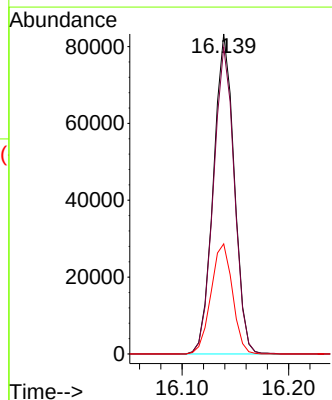
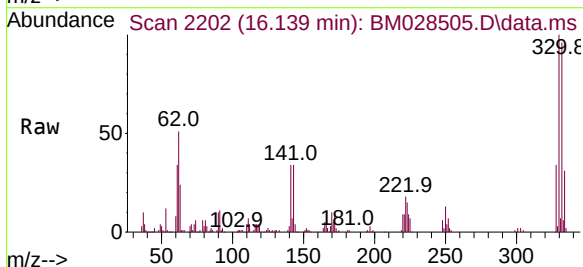
Instrument :
BNA_M
ClientSampleId :
TP-D

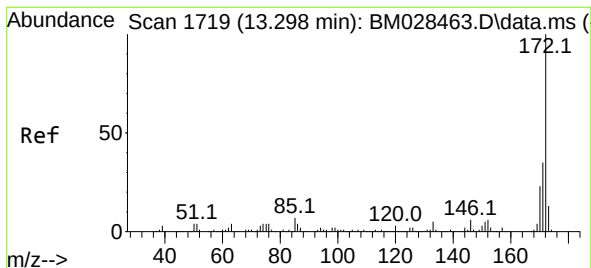
Tgt Ion:164	Resp:	71707
Ion Ratio	Lower	Upper
164	100	
162	103.9	80.4 120.6
160	44.4	35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 118.81 ng
RT: 16.139 min Scan# 2202
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion:330	Resp:	112882
Ion Ratio	Lower	Upper
330	100	
332	96.3	77.8 116.8
141	35.5	28.4 42.6

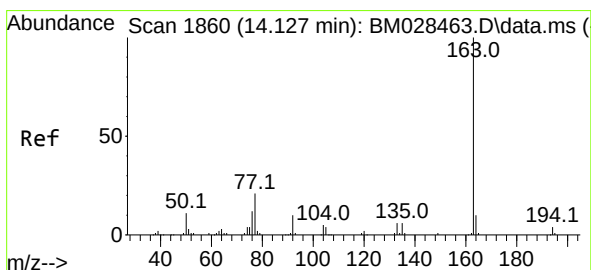
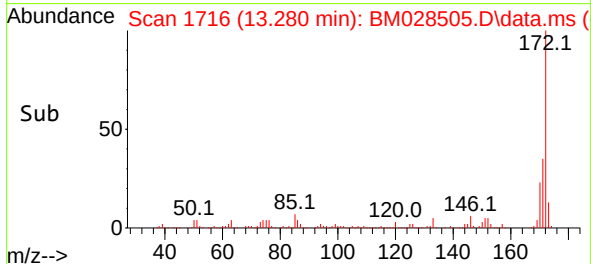
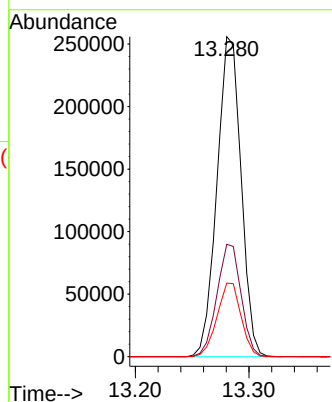
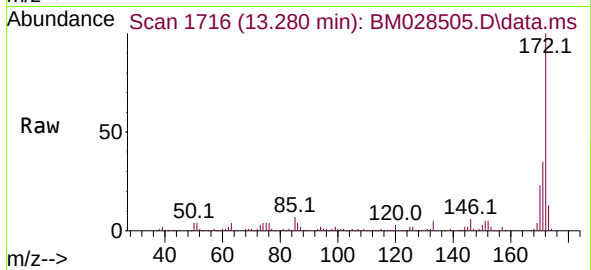




#45
2-Fluorobiphenyl
Concen: 65.94 ng
RT: 13.280 min Scan# 1716
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

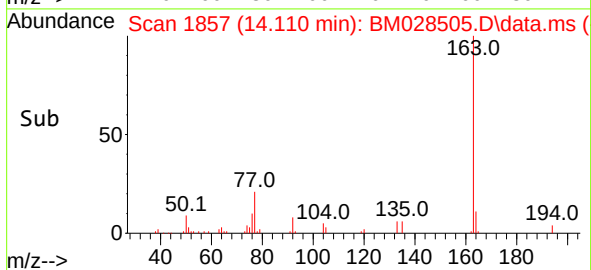
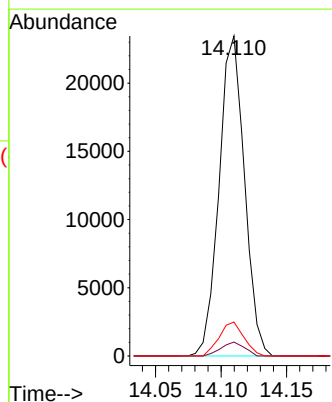
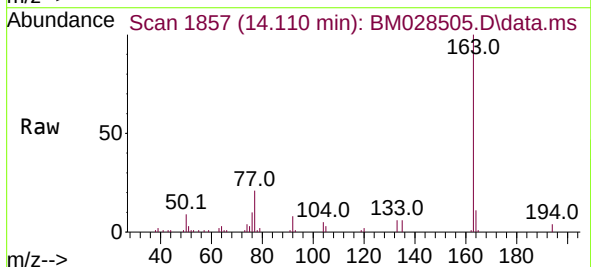
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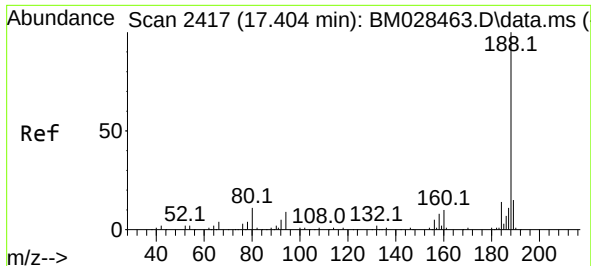
Tgt Ion:172 Resp: 376894
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.0 18.6 27.8



#50
Dimethylphthalate
Concen: 5.34 ng
RT: 14.110 min Scan# 1857
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion:163 Resp: 31505
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.6 8.1 12.1

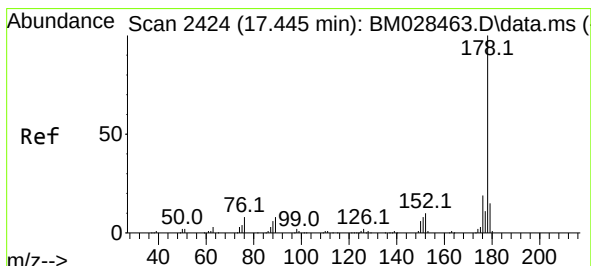
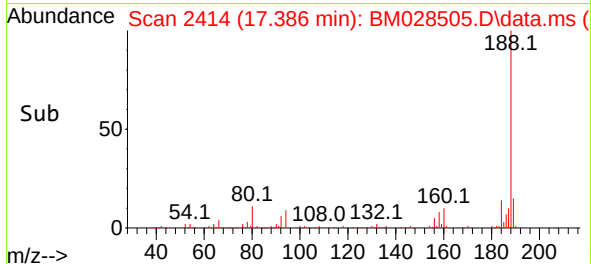
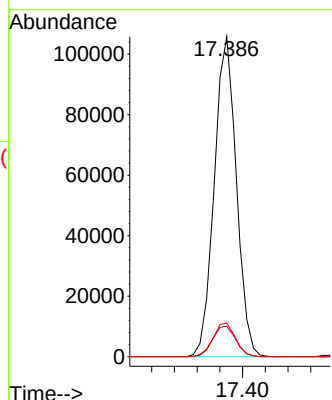
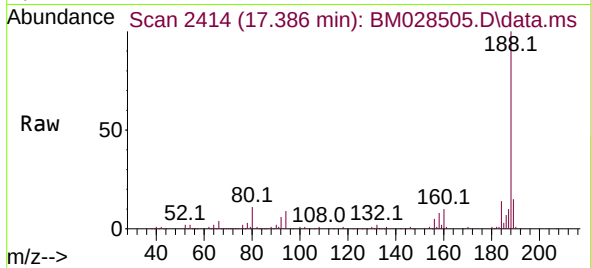




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

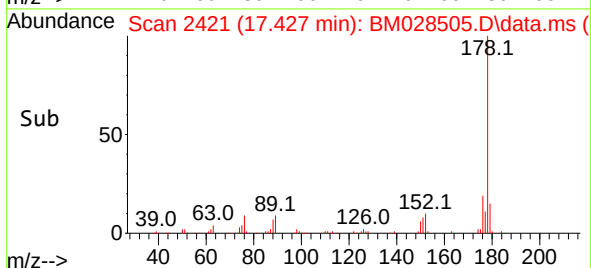
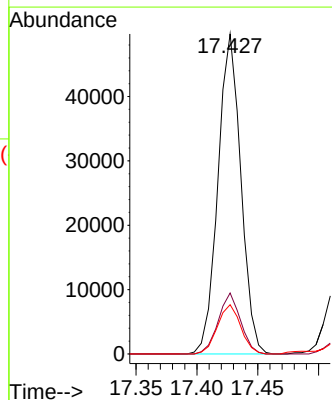
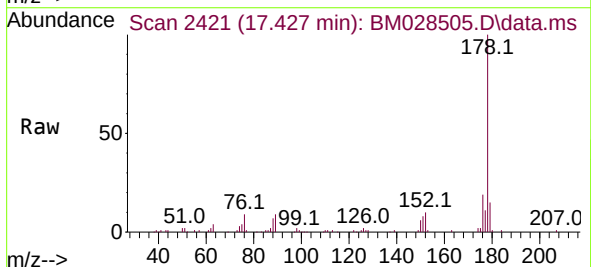
Instrument :
BNA_M
ClientSampled :
TP-D

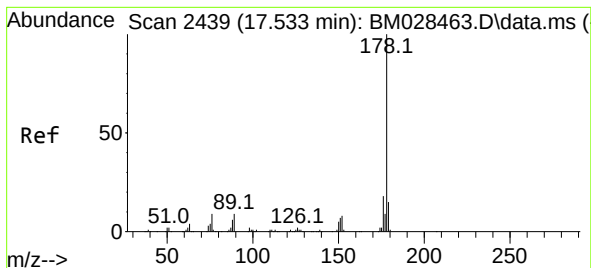
Tgt Ion:188 Resp: 142686
Ion Ratio Lower Upper
188 100
94 9.5 6.2 9.4#
80 10.5 7.5 11.3



#71
Phenanthrene
Concen: 7.42 ng
RT: 17.427 min Scan# 2421
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion:178 Resp: 65108
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.4 12.2 18.4





#72

Anthracene

Concen: 2.16 ng

RT: 17.515 min Scan# 2436

Delta R.T. -0.018 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

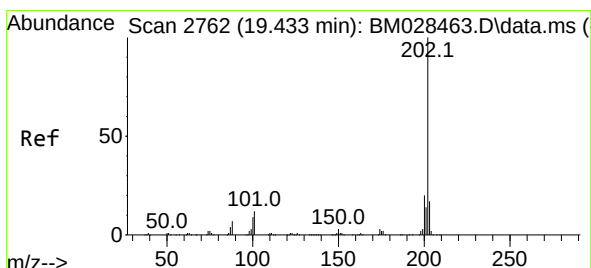
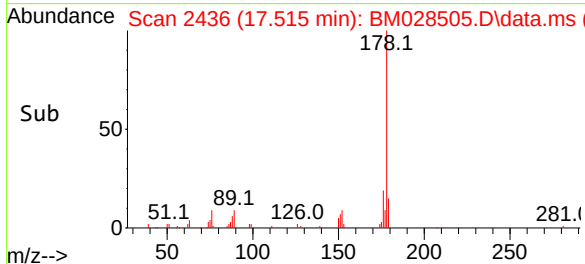
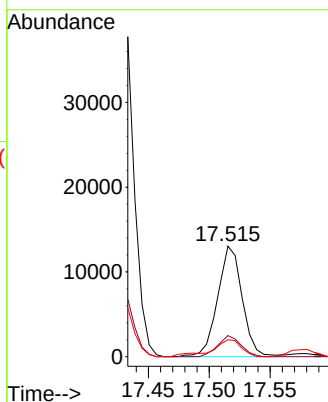
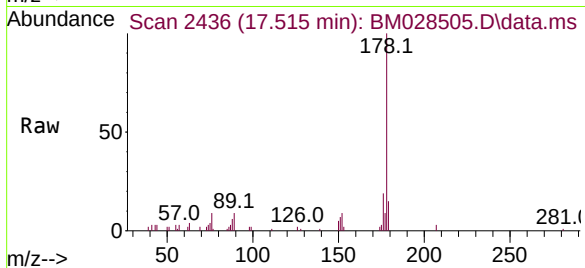
Tgt Ion:178 Resp: 18272

Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

179 15.3 12.5 18.7



#75

Fluoranthene

Concen: 15.94 ng

RT: 19.421 min Scan# 2760

Delta R.T. -0.012 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

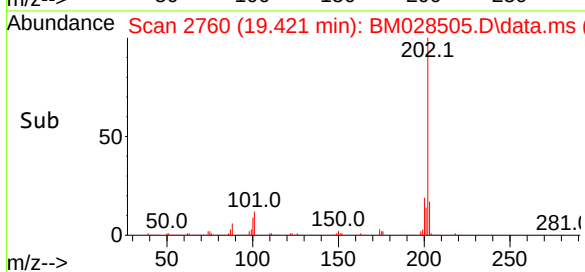
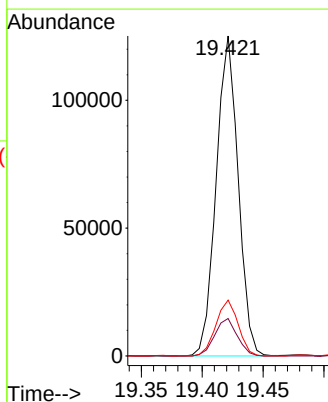
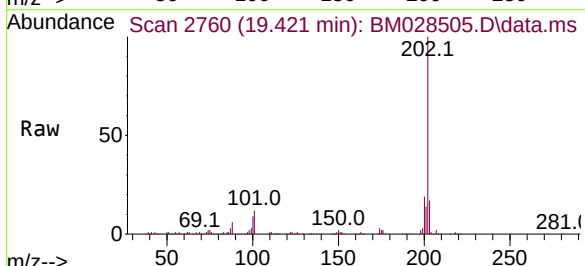
Tgt Ion:202 Resp: 157097

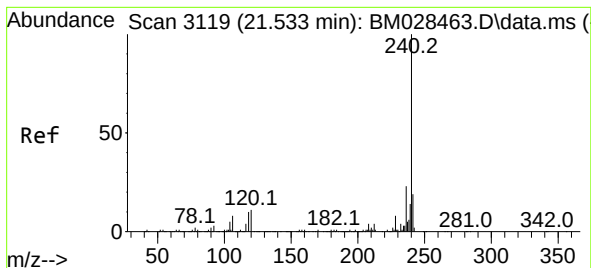
Ion Ratio Lower Upper

202 100

101 11.7 0.0 28.5

203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.018 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

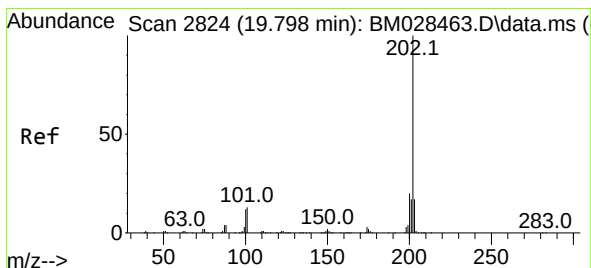
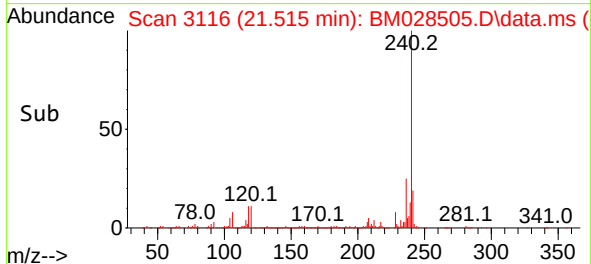
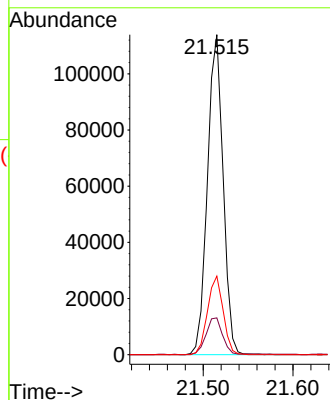
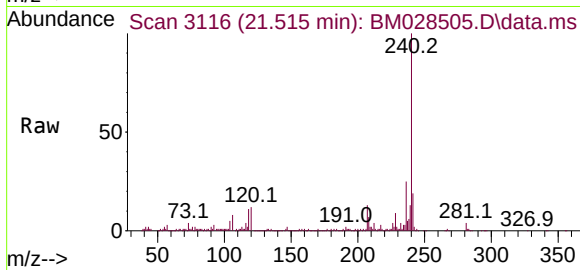
Tgt Ion:240 Resp: 138179

Ion Ratio Lower Upper

240 100

120 11.5 6.4 9.6#

236 24.6 20.1 30.1



#78

Pyrene

Concen: 14.96 ng

RT: 19.780 min Scan# 2821

Delta R.T. -0.018 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

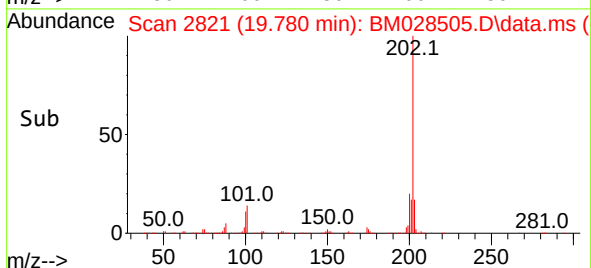
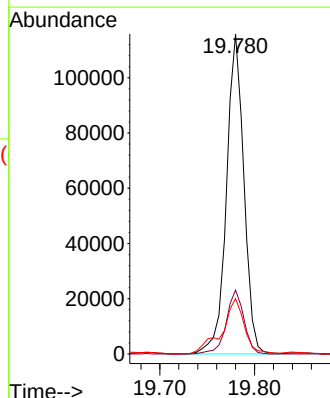
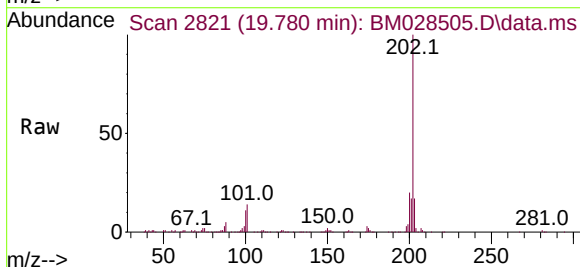
Tgt Ion:202 Resp: 148193

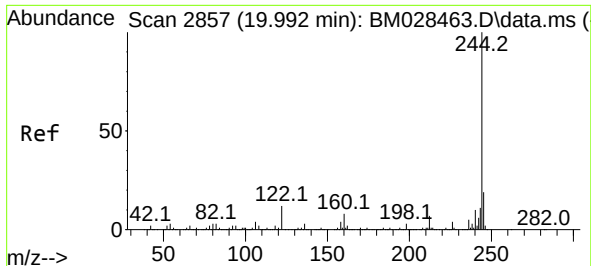
Ion Ratio Lower Upper

202 100

200 19.9 16.6 24.8

203 17.3 13.8 20.6

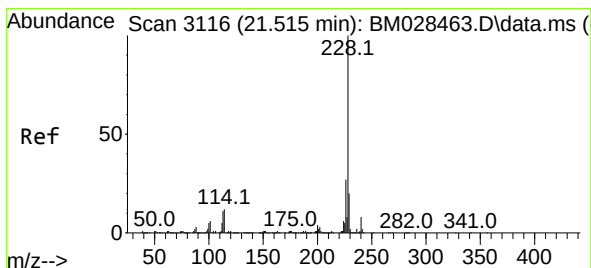
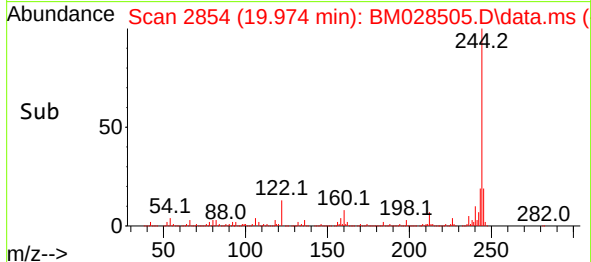
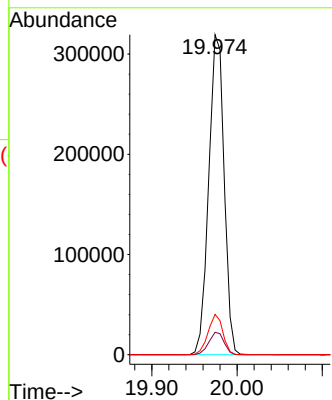
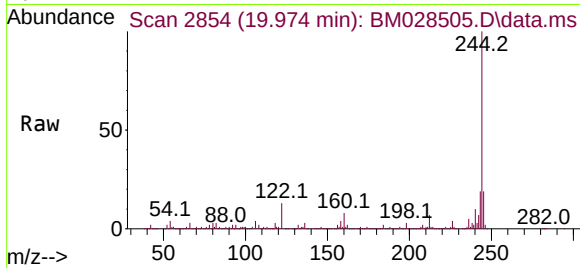




#79
 Terphenyl-d14
 Concen: 52.39 ng
 RT: 19.974 min Scan# 2854
 Delta R.T. -0.018 min
 Lab File: BM028505.D
 Acq: 22 Jan 2021 01:21

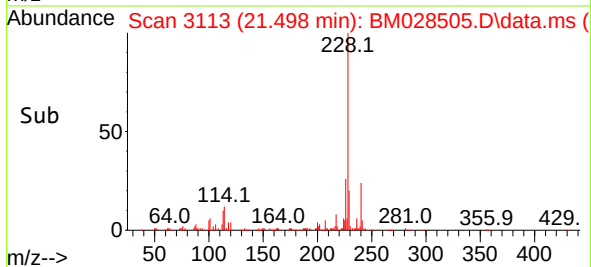
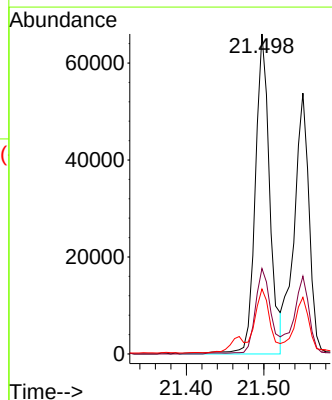
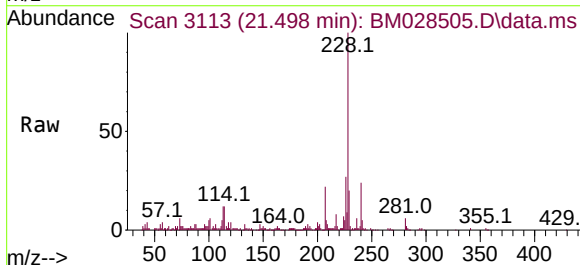
Instrument :
 BNA_M
 ClientSampled :
 TP-D

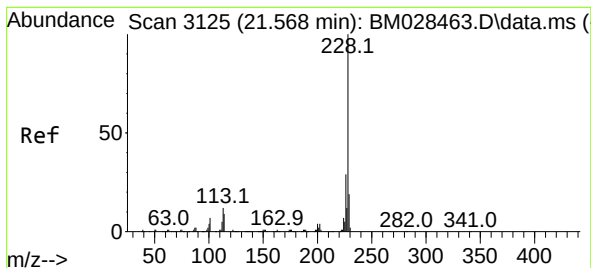
Tgt Ion:244 Resp: 400898
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 12.6 6.5 9.7#



#81
 Benzo(a)anthracene
 Concen: 8.96 ng
 RT: 21.498 min Scan# 3113
 Delta R.T. -0.018 min
 Lab File: BM028505.D
 Acq: 22 Jan 2021 01:21

Tgt Ion:228 Resp: 85516
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.1 31.7
 229 20.3 15.7 23.5





#83

Chrysene

Concen: 7.77 ng

RT: 21.550 min Scan# 3122

Delta R.T. -0.018 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

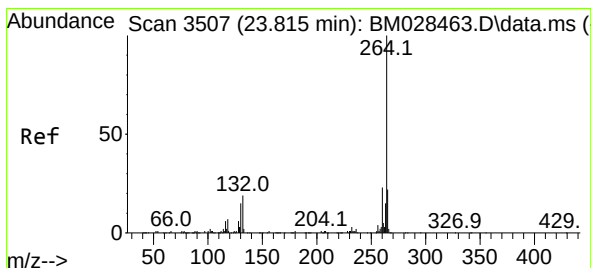
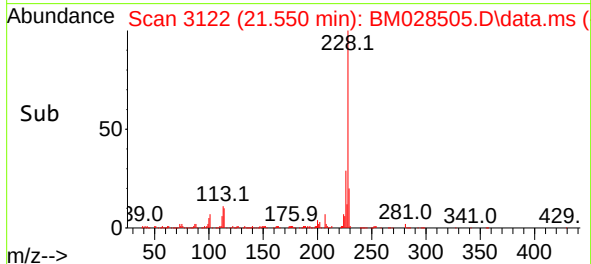
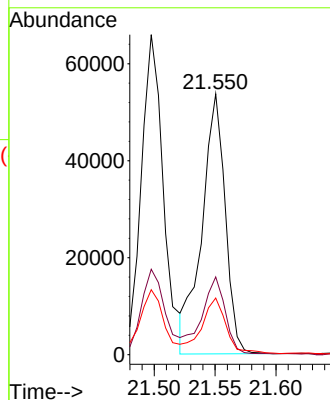
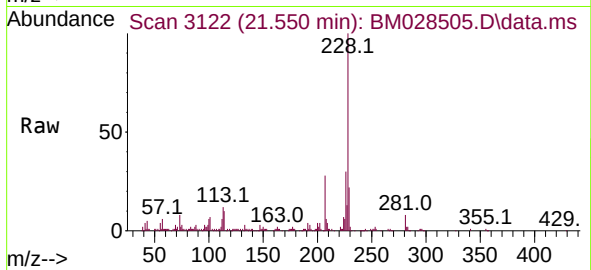
Tgt Ion:	228	Resp:	71609
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.4	35.0
229	21.7	15.7	23.5

Instrument :

BNA_M

ClientSampleId :

TP-D



#86

Perylene-d12

Concen: 20.00 ng

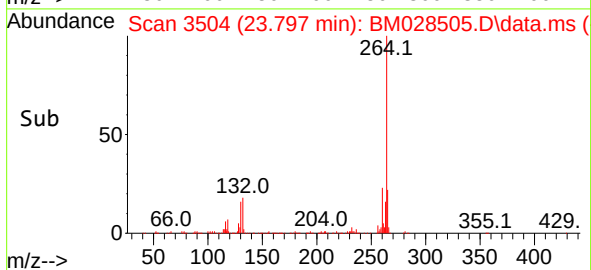
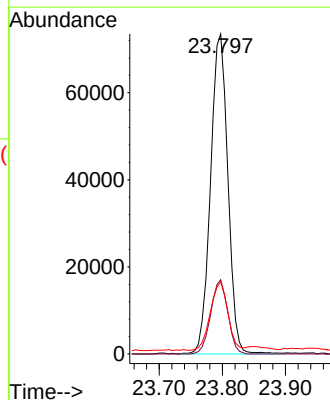
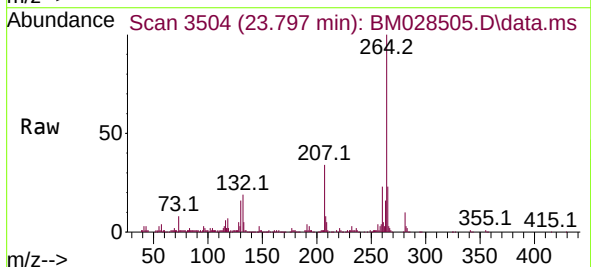
RT: 23.797 min Scan# 3504

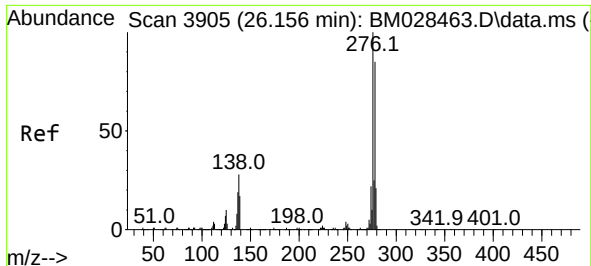
Delta R.T. -0.018 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

Tgt Ion:	264	Resp:	140213
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.4
265	22.5	17.7	26.5

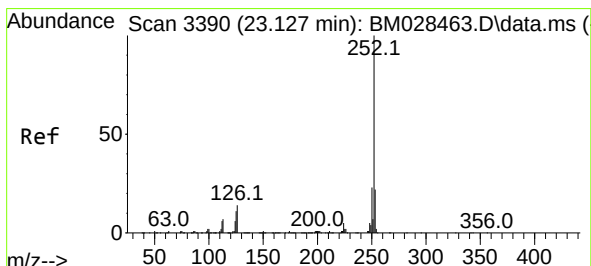
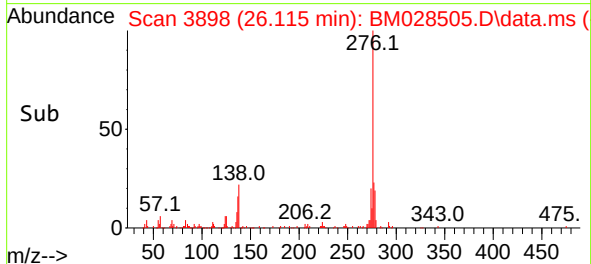
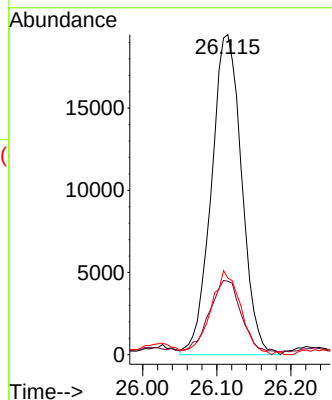
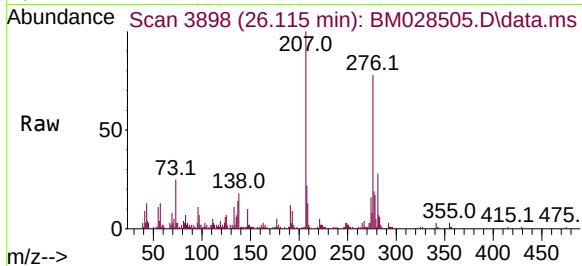




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.29 ng
RT: 26.115 min Scan# 3898
Delta R.T. -0.041 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

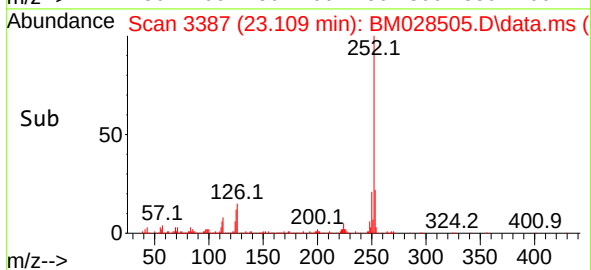
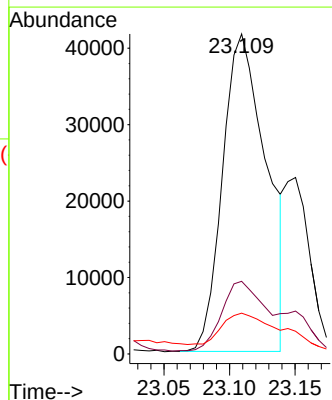
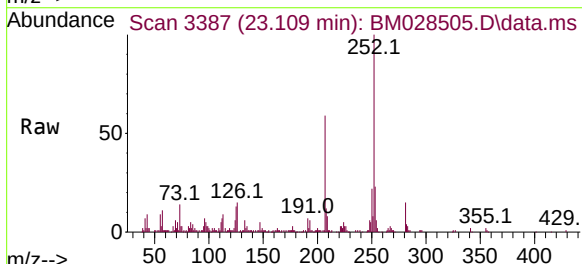
Instrument :
BNA_M
ClientSampled :
TP-D

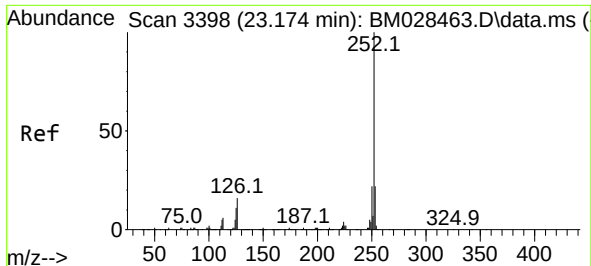
Tgt Ion:276 Resp: 55279
Ion Ratio Lower Upper
276 100
138 23.0 14.2 21.4#
277 26.0 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 10.12 ng
RT: 23.109 min Scan# 3387
Delta R.T. -0.018 min
Lab File: BM028505.D
Acq: 22 Jan 2021 01:21

Tgt Ion:252 Resp: 96324
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 12.8 5.7 8.5#





#89

Benzo(k)fluoranthene

Concen: 10.36 ng

RT: 23.109 min Scan# 3387

Delta R.T. -0.065 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

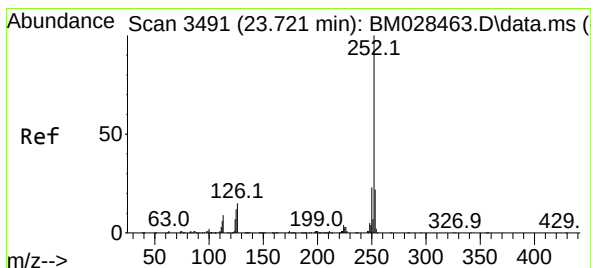
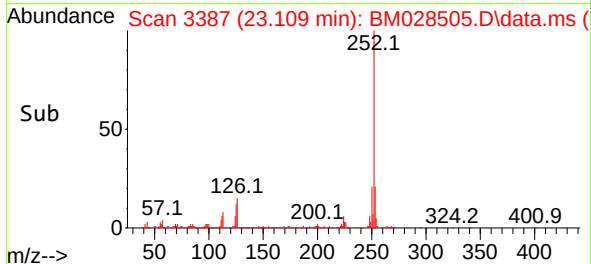
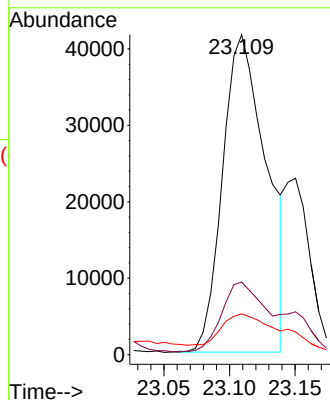
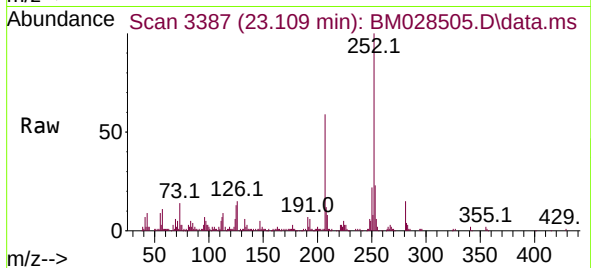
Tgt Ion:252	Resp:	96324
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.4 26.0
125	12.8	5.6 8.4#

Instrument :

BNA_M

ClientSampled :

TP-D



#90

Benzo(a)pyrene

Concen: 8.17 ng

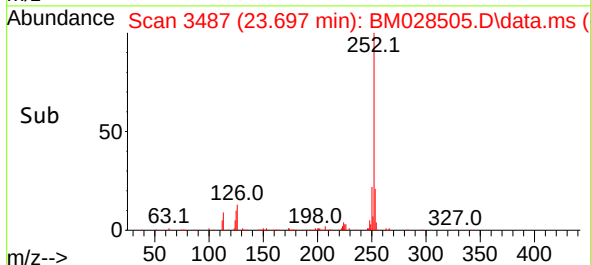
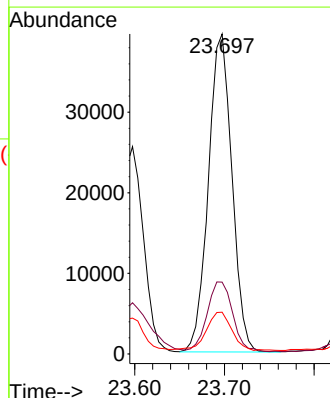
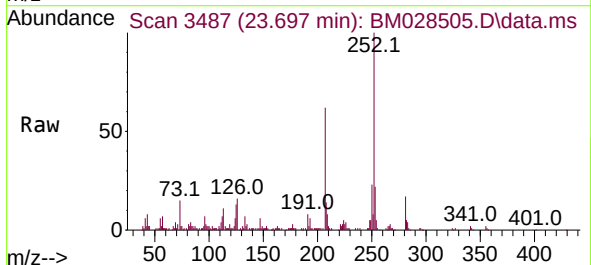
RT: 23.697 min Scan# 3487

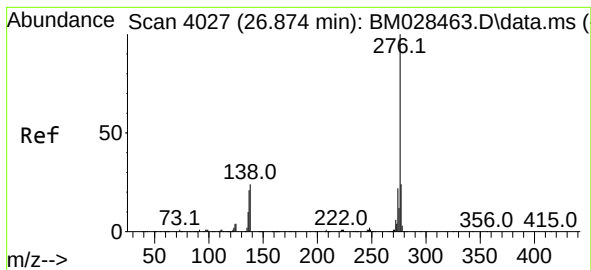
Delta R.T. -0.023 min

Lab File: BM028505.D

Acq: 22 Jan 2021 01:21

Tgt Ion:252	Resp:	72020
Ion Ratio	Lower	Upper
252	100	
253	22.4	17.4 26.2
125	13.0	6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 6.39 ng
 RT: 26.827 min Scan# 4019
 Delta R.T. -0.047 min
 Lab File: BM028505.D
 Acq: 22 Jan 2021 01:21

Instrument :
 BNA_M
 ClientSampleId :
 TP-D

Tgt Ion:276 Resp: 54324
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.6 28.0
 138 23.1 12.2 18.2#

