

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
 Data File : BM029740.D
 Acq On : 30 Apr 2021 21:39
 Operator : CG/JU
 Sample : M2223-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOADING-AREA-MUD

Quant Time: Apr 30 23:09:02 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 29 17:34:54 2021
 Response via : Initial Calibration

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

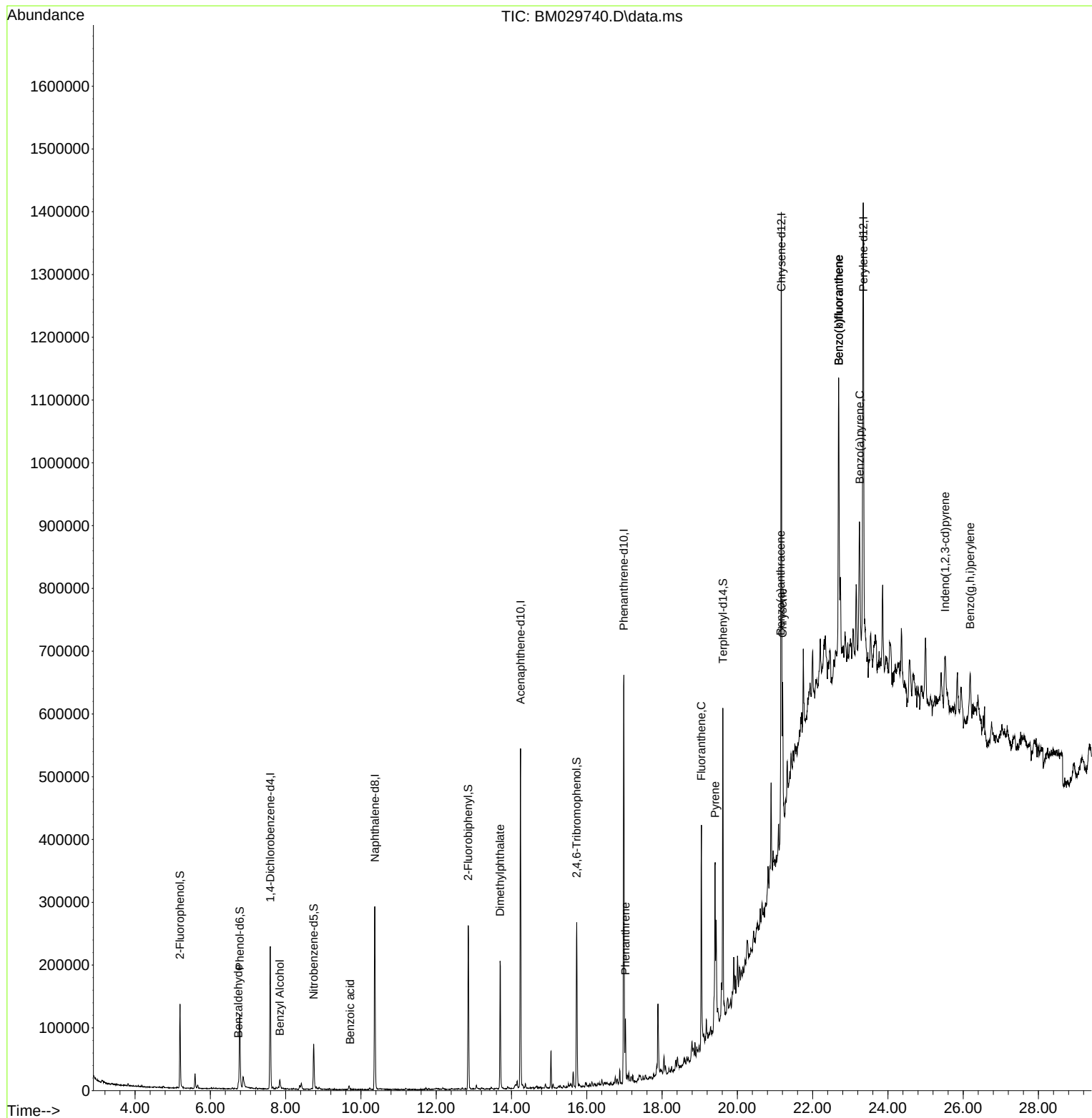
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	69532	20.00	ng	0.00
21) Naphthalene-d8	10.369	136	254183	20.00	ng	# 0.00
39) Acenaphthene-d10	14.239	164	188447	20.00	ng	0.00
64) Phenanthrene-d10	16.986	188	418318	20.00	ng	# 0.00
76) Chrysene-d12	21.168	240	461210	20.00	ng	#-0.01
86) Perylene-d12	23.344	264	512902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	60427	18.12	ng	0.00
7) Phenol-d6	6.781	99	72709	16.06	ng	0.00
23) Nitrobenzene-d5	8.745	82	46096	10.48	ng	0.00
42) 2,4,6-Tribromophenol	15.733	330	47869	16.00	ng	0.00
45) 2-Fluorobiphenyl	12.851	172	146550	10.09	ng	-0.01
79) Terphenyl-d14	19.615	244	229309	9.13	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.746	77	4611	2.61	ng	89
15) Benzyl Alcohol	7.845	79	6745	2.13	ng	99
32) Benzoic acid	9.716	122	64	4.92	ng	# 49
50) Dimethylphthalate	13.698	163	148363	10.31	ng	99
71) Phenanthrene	17.027	178	64456	2.73	ng	98
75) Fluoranthene	19.045	202	209912	7.25	ng	98
78) Pyrene	19.409	202	169279	5.72	ng	97
81) Benzo(a)anthracene	21.151	228	93747	3.12	ng	96
83) Chrysene	21.203	228	130726	4.39	ng	97
87) Indeno(1,2,3-cd)pyrene	25.521	276	82858	2.13	ng	95
88) Benzo(b)fluoranthene	22.697	252	240984	7.10	ng	# 83
89) Benzo(k)fluoranthene	22.697	252	240984	7.33	ng	# 83
90) Benzo(a)pyrene	23.250	252	105771	3.41	ng	# 93
92) Benzo(g,h,i)perylene	26.185	276	82789	2.62	ng	96

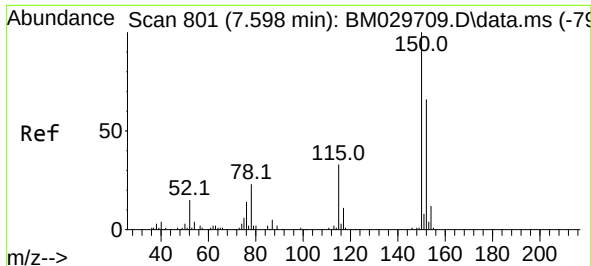
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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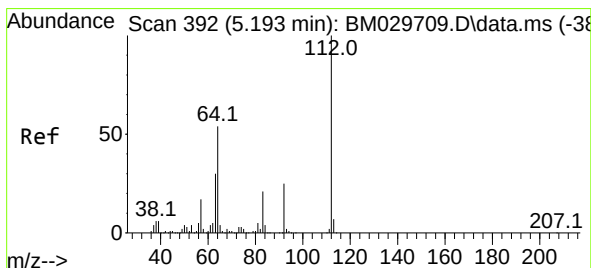
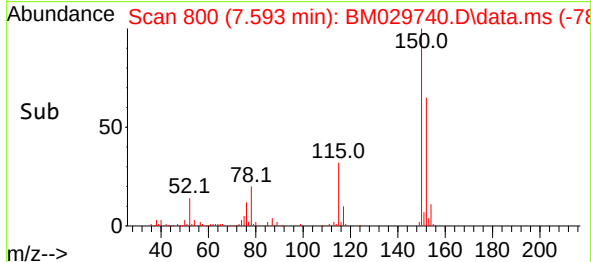
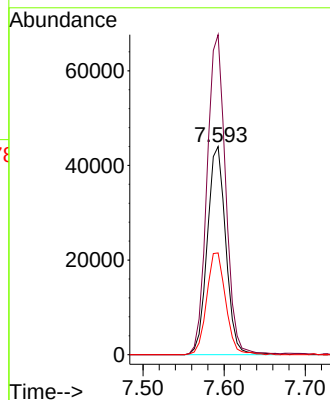
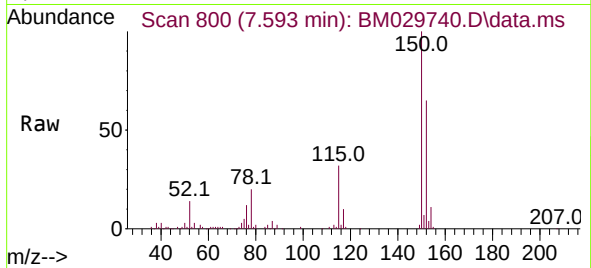




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.593 min Scan# 800
Delta R.T. -0.005 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

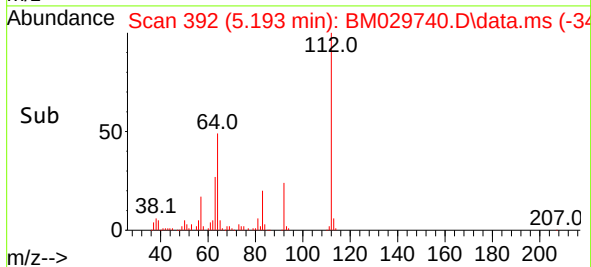
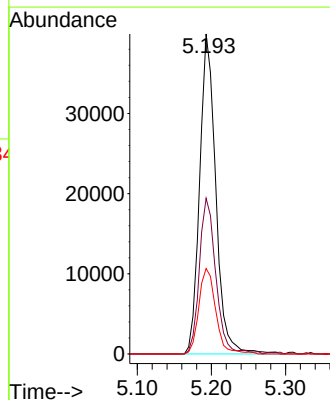
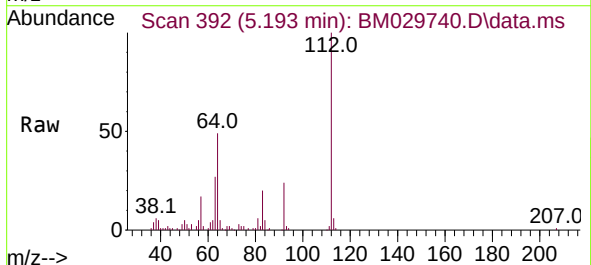
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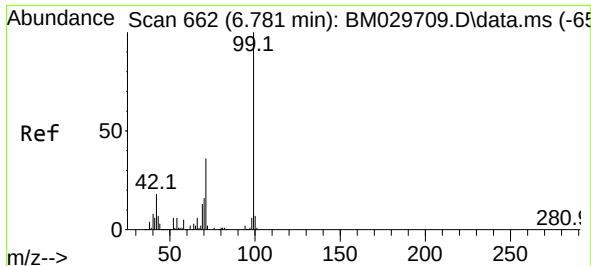
Tgt Ion:152 Resp: 69532
Ion Ratio Lower Upper
152 100
150 153.8 125.9 188.9
115 48.9 44.6 67.0



#5
2-Fluorophenol
Concen: 18.12 ng
RT: 5.193 min Scan# 392
Delta R.T. 0.000 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:112 Resp: 60427
Ion Ratio Lower Upper
112 100
64 48.6 47.1 70.7
63 26.7 27.3 40.9#

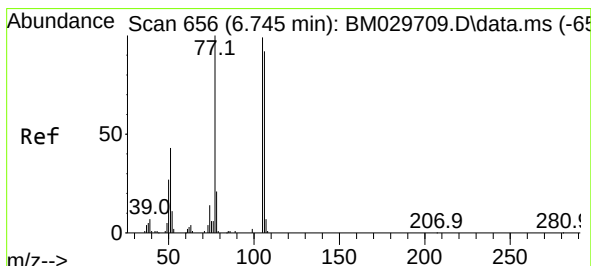
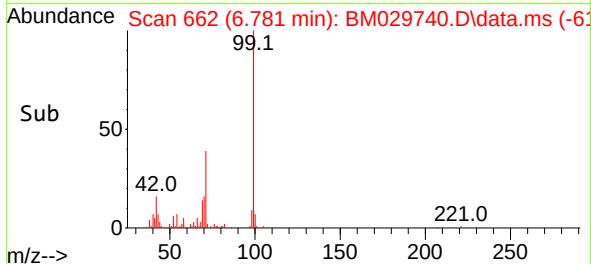
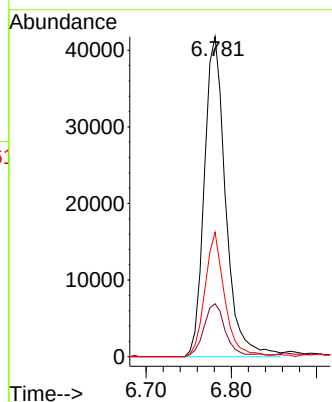
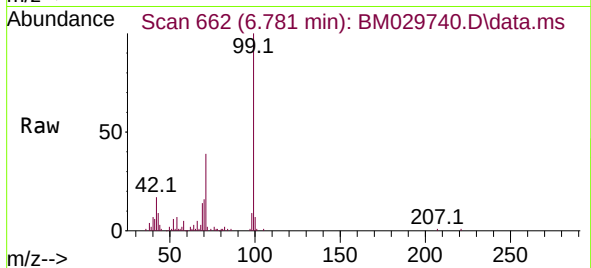




#7
Phenol-d6
Concen: 16.06 ng
RT: 6.781 min Scan# 662
Delta R.T. 0.000 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

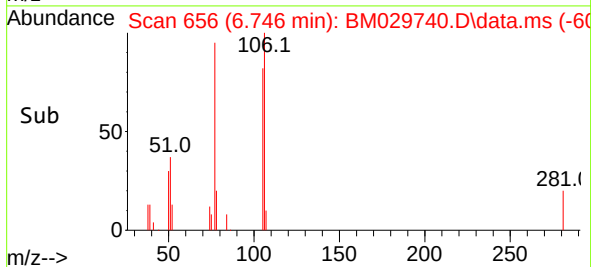
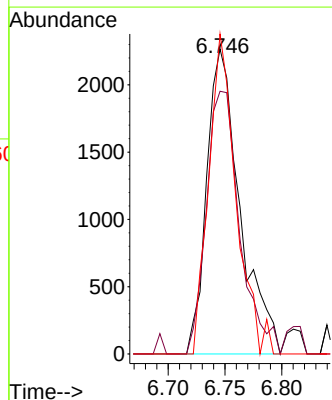
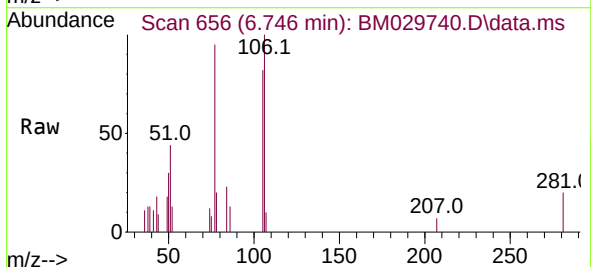
Instrument :
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ClientSampleId :
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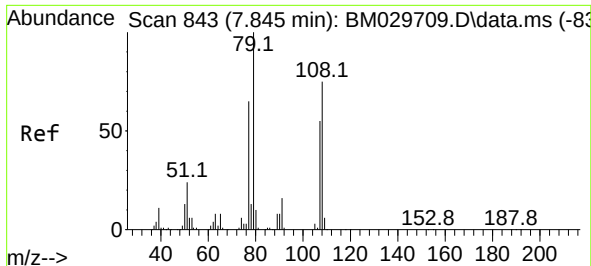
Tgt Ion: 99 Resp: 72709
Ion Ratio Lower Upper
99 100
42 16.5 18.0 27.0#
71 38.9 30.9 46.3



#9
Benzaldehyde
Concen: 2.61 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.000 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion: 77 Resp: 4611
Ion Ratio Lower Upper
77 100
105 86.2 71.2 111.2
106 104.9 68.6 108.6

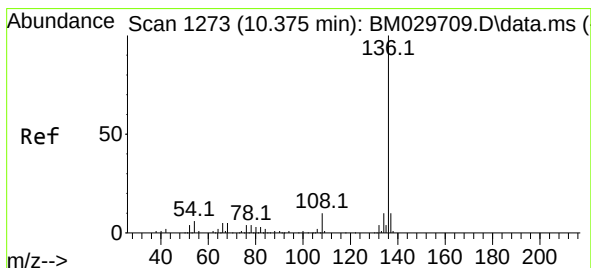
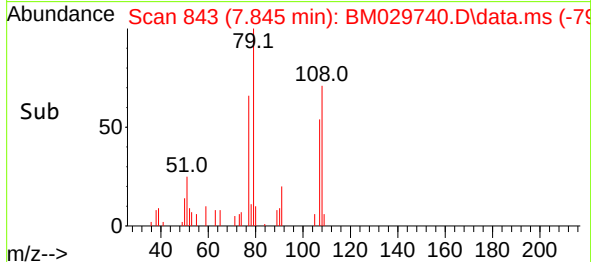
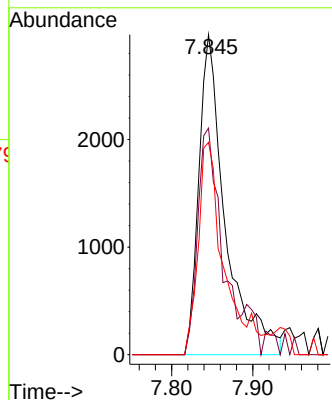
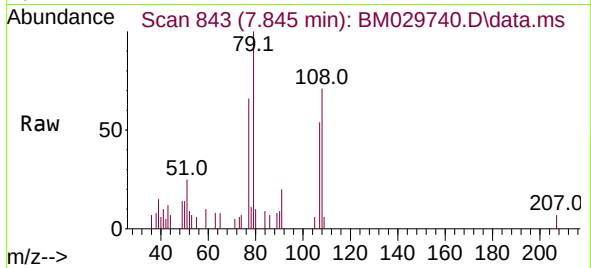




#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 7.845 min Scan# 843
Delta R.T. 0.000 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

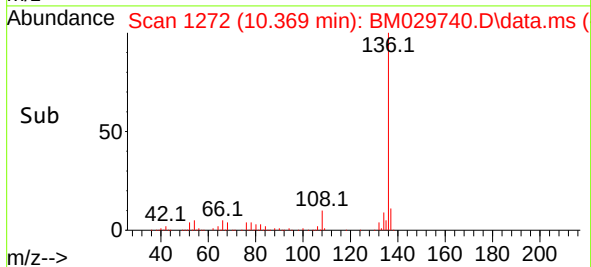
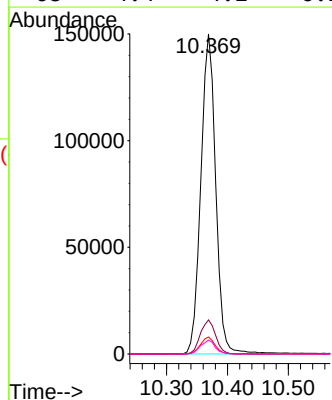
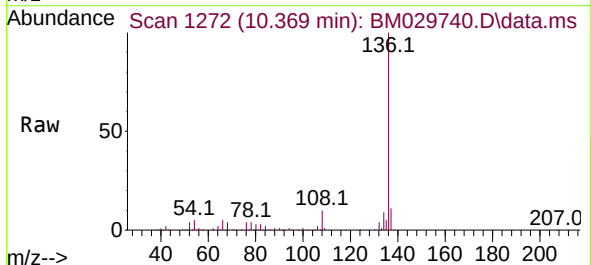
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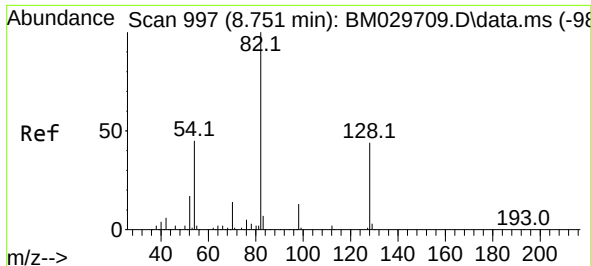
Tgt Ion:	79	Resp:	6745
Ion	Ratio	Lower	Upper
79	100		
108	70.8	57.0	85.4
77	66.4	54.6	81.8



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.369 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:	136	Resp:	254183
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	5.3	5.5	8.3#
68	4.4	4.2	6.2

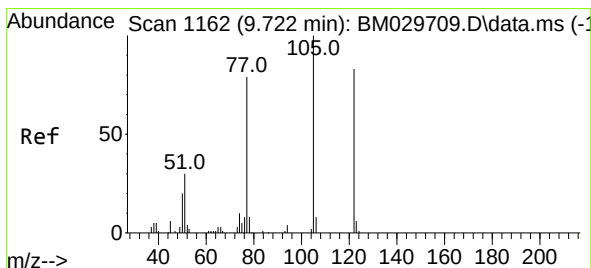
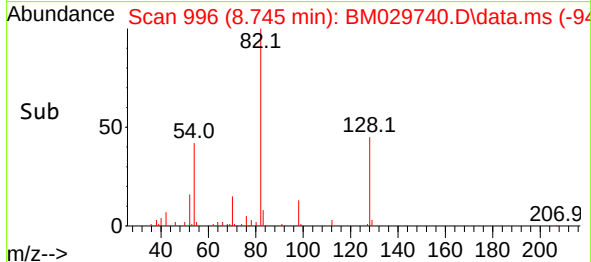
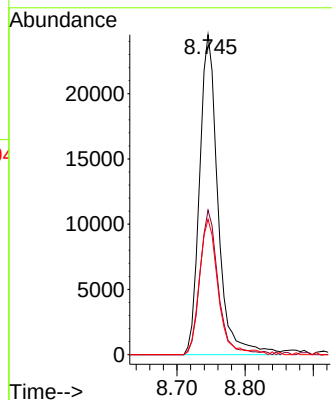
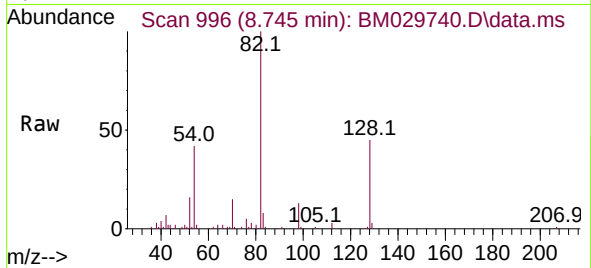




#23
Nitrobenzene-d5
Concen: 10.48 ng
RT: 8.745 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

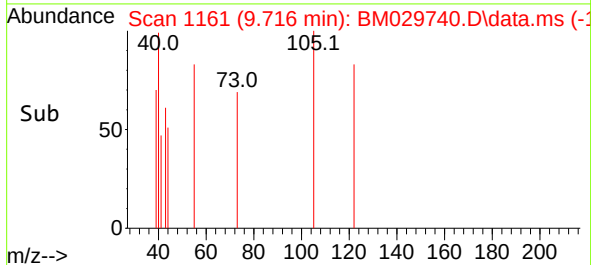
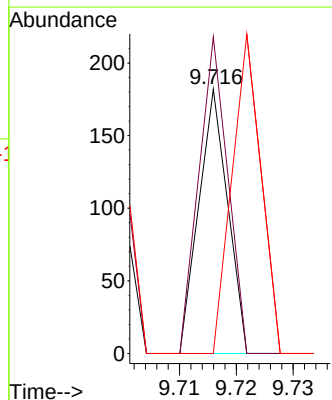
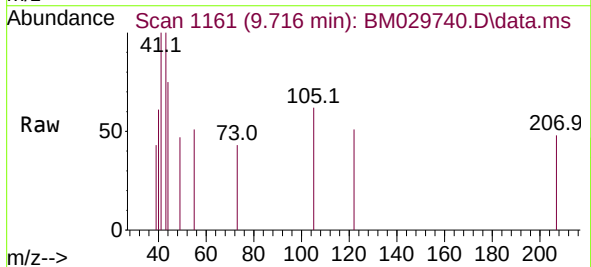
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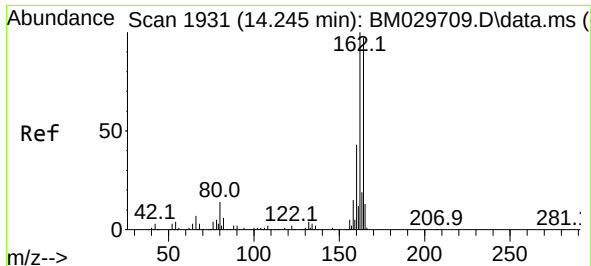
Tgt Ion: 82 Resp: 46096
Ion Ratio Lower Upper
82 100
128 45.1 31.1 46.7
54 42.3 37.3 55.9



#32
Benzoic acid
Concen: 4.92 ng
RT: 9.716 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion: 122 Resp: 64
Ion Ratio Lower Upper
122 100
105 119.8 107.3 147.3
77 0.0 88.0 128.0#

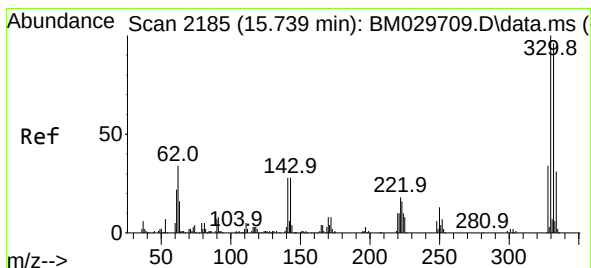
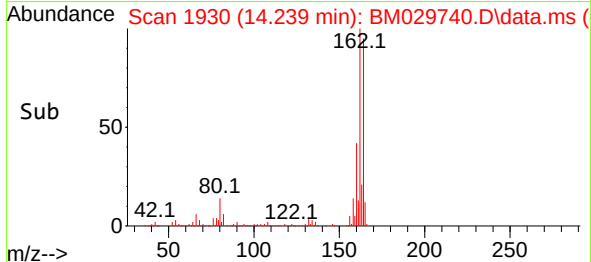
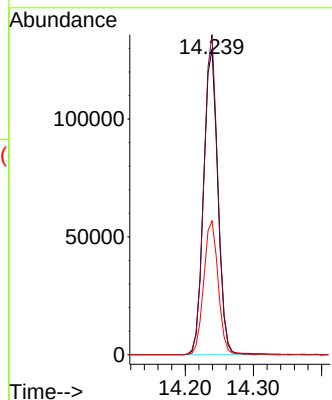
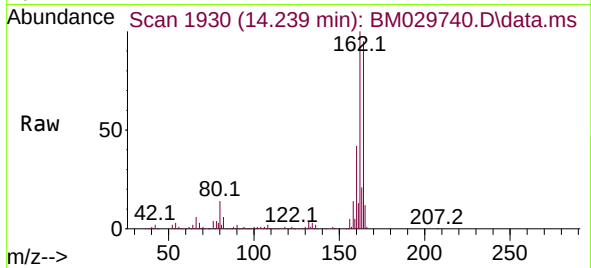




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.239 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

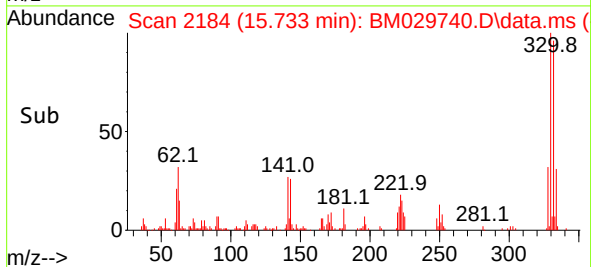
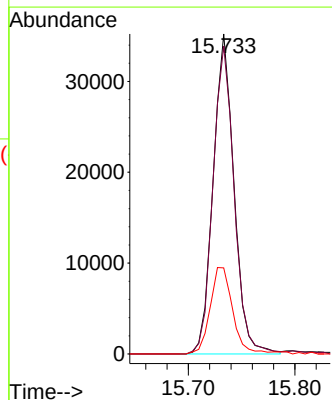
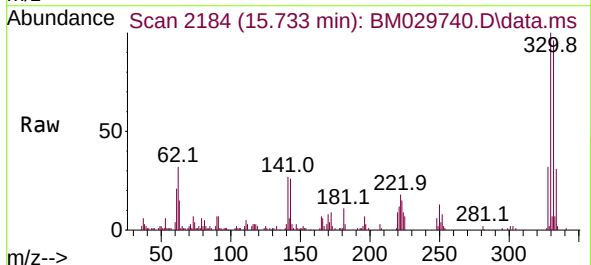
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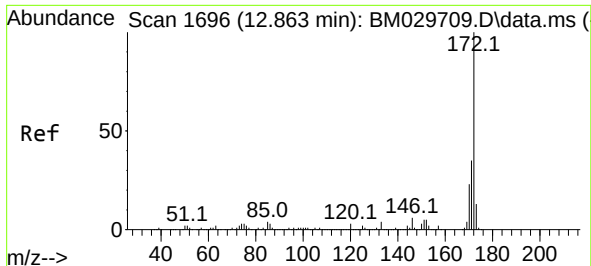
Tgt Ion:164 Resp: 188447
Ion Ratio Lower Upper
164 100
162 104.9 83.4 125.0
160 43.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 16.00 ng
RT: 15.733 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:330 Resp: 47869
Ion Ratio Lower Upper
330 100
332 98.4 77.0 115.4
141 29.7 30.2 45.2#

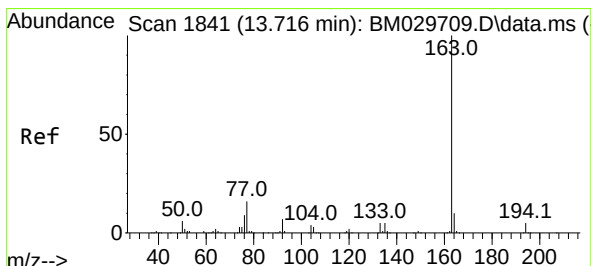
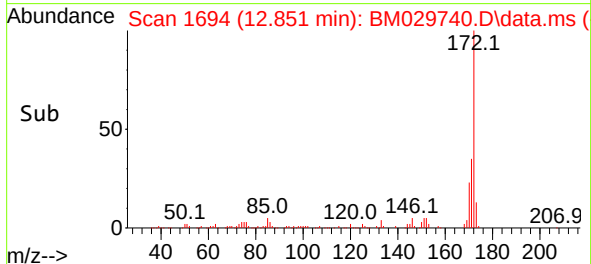
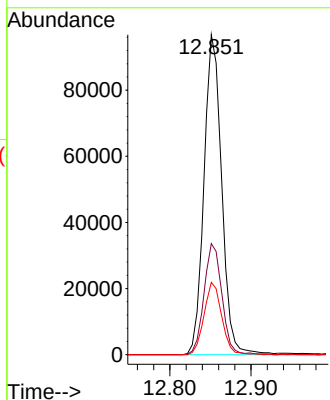
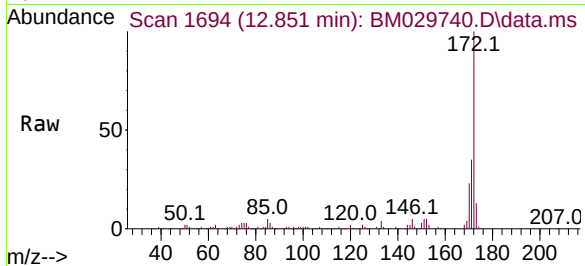




#45
2-Fluorobiphenyl
Concen: 10.09 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

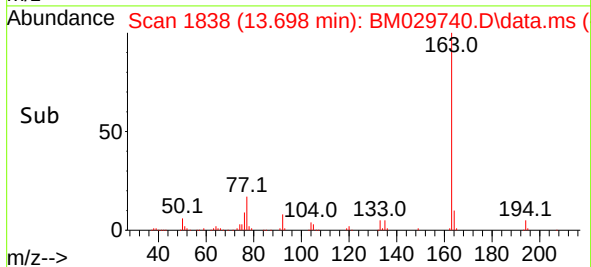
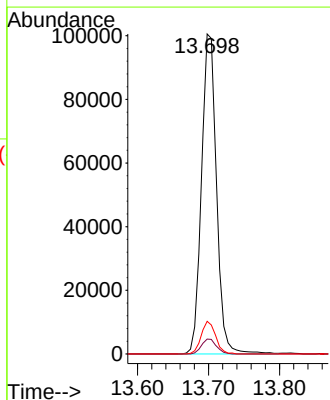
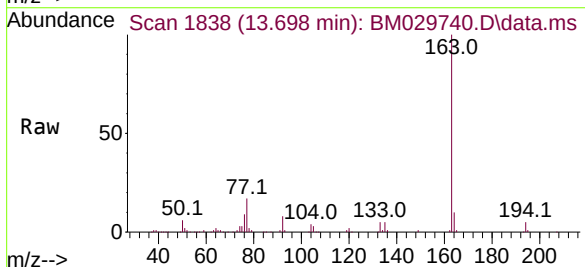
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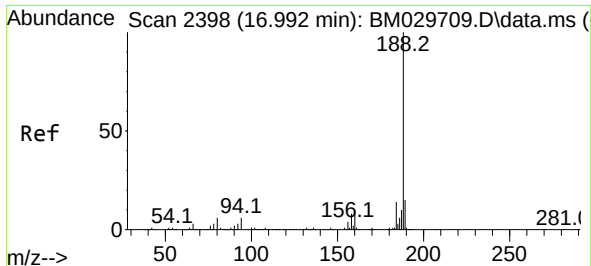
Tgt Ion:172	Resp:	146550
Ion Ratio	Lower	Upper
172	100	
171	34.7	28.6 43.0
170	22.6	18.4 27.6



#50
Dimethylphthalate
Concen: 10.31 ng
RT: 13.698 min Scan# 1838
Delta R.T. -0.017 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:163	Resp:	148363
Ion Ratio	Lower	Upper
163	100	
194	4.7	3.3 4.9
164	10.2	7.9 11.9

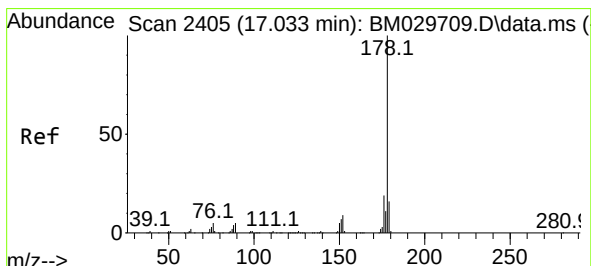
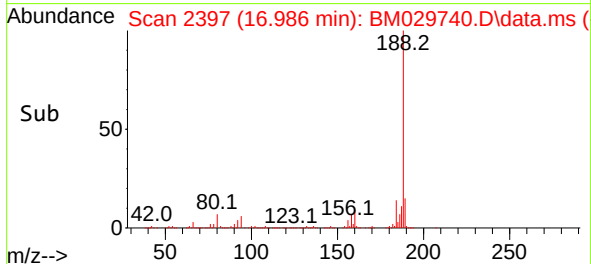
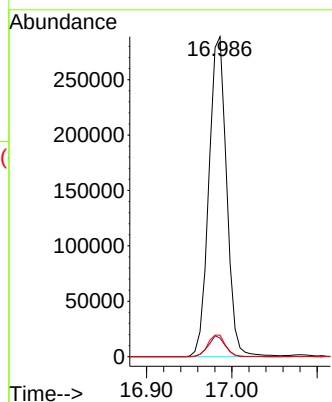
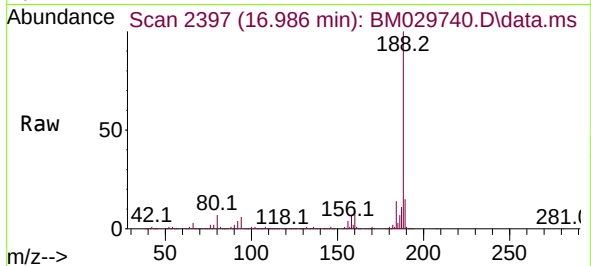




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.986 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

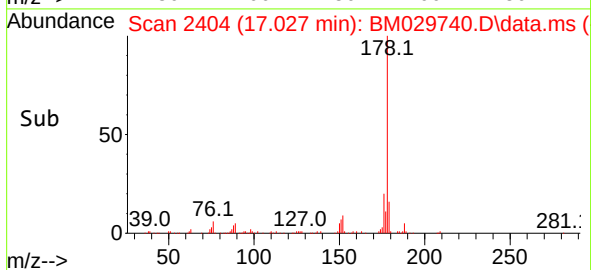
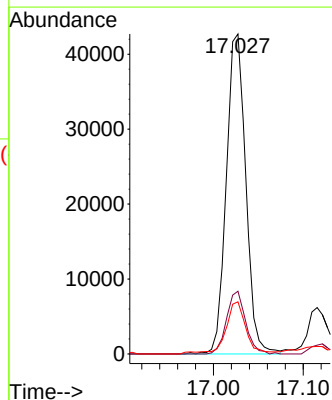
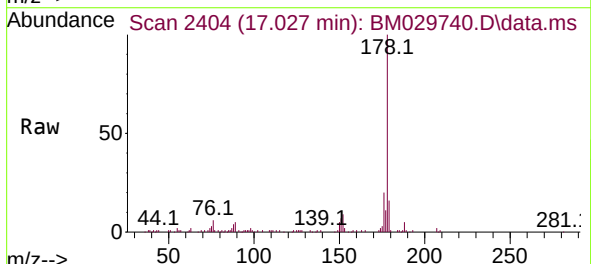
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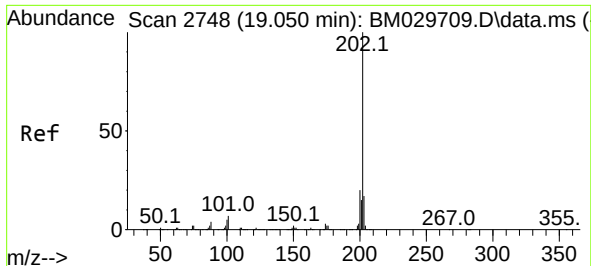
Tgt Ion:188 Resp: 418318
Ion Ratio Lower Upper
188 100
94 5.8 6.0 9.0#
80 6.8 6.6 9.8



#71
Phenanthrene
Concen: 2.73 ng
RT: 17.027 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:178 Resp: 64456
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 16.3 12.2 18.4

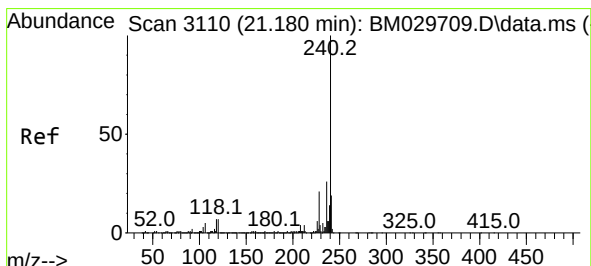
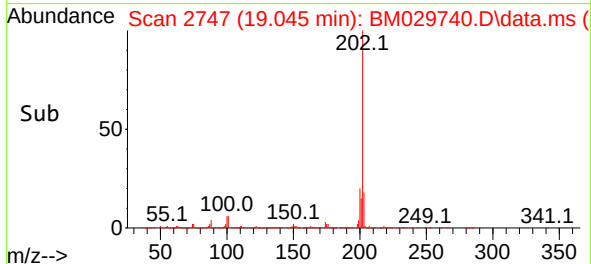
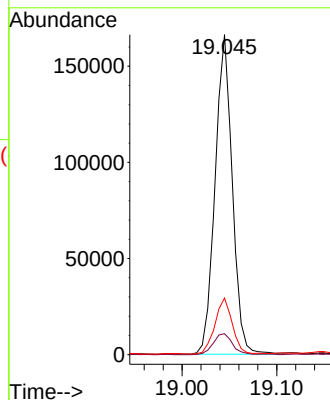
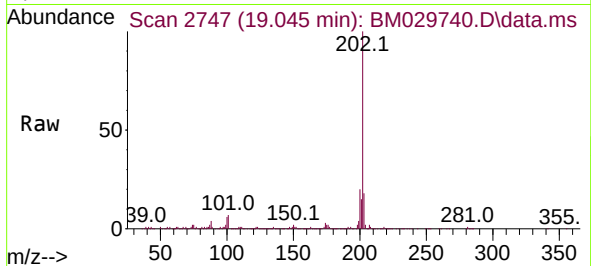




#75
Fluoranthene
Concen: 7.25 ng
RT: 19.045 min Scan# 2747
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

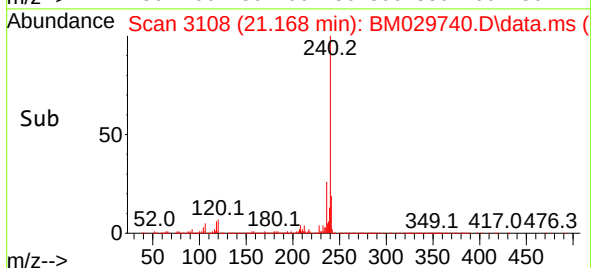
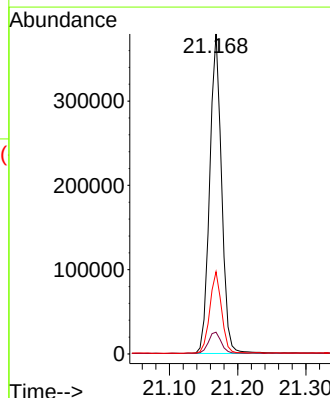
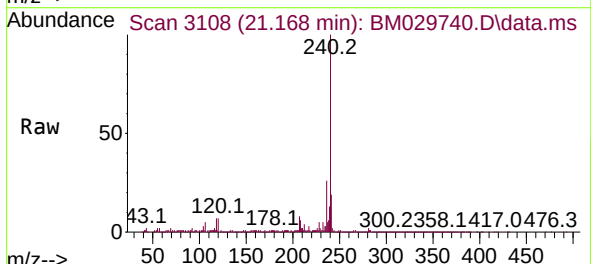
Instrument :
BNA_M
ClientSampleId :
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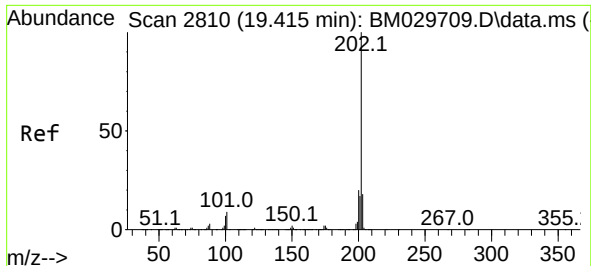
Tgt Ion:202 Resp: 209912
Ion Ratio Lower Upper
202 100
101 6.6 0.0 28.6
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:240 Resp: 461210
Ion Ratio Lower Upper
240 100
120 6.8 7.0 10.6#
236 25.7 21.0 31.4

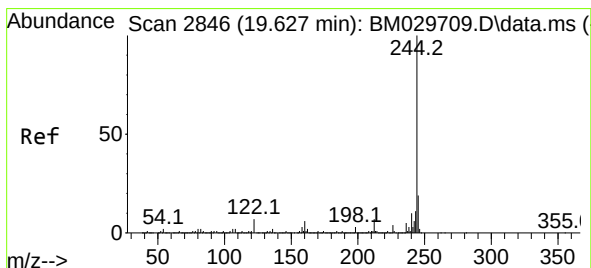
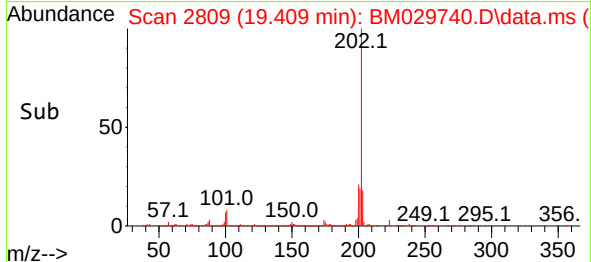
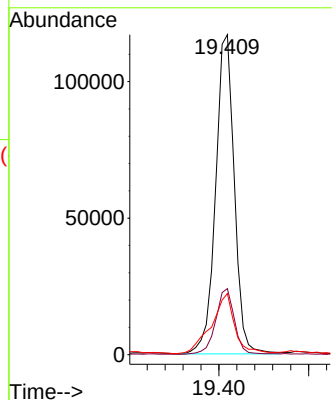
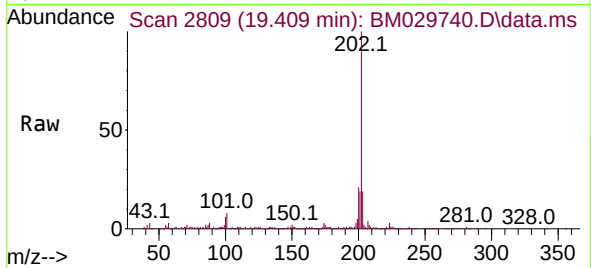




#78
 Pyrene
 Concen: 5.72 ng
 RT: 19.409 min Scan# 2809
 Delta R.T. -0.006 min
 Lab File: BM029740.D
 Acq: 30 Apr 2021 21:39

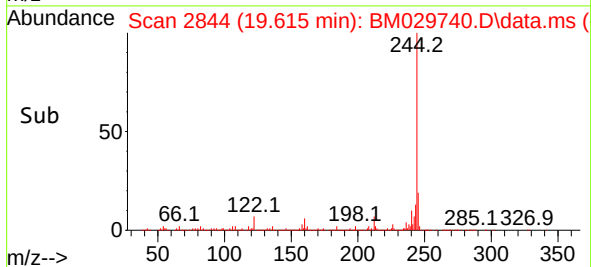
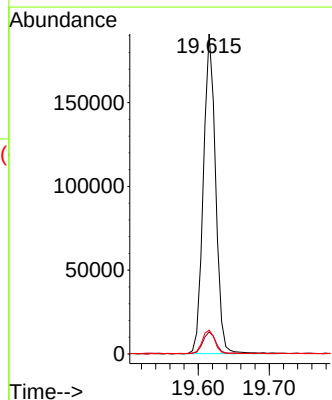
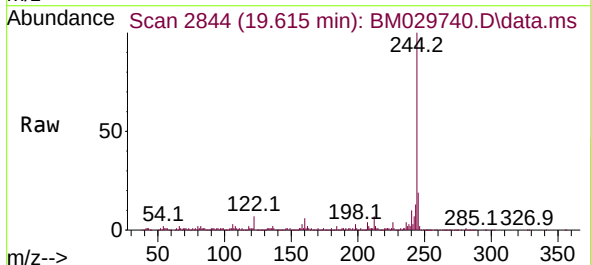
Instrument :
 BNA_M
 ClientSampleId :
 LOADING-AREA-MUD

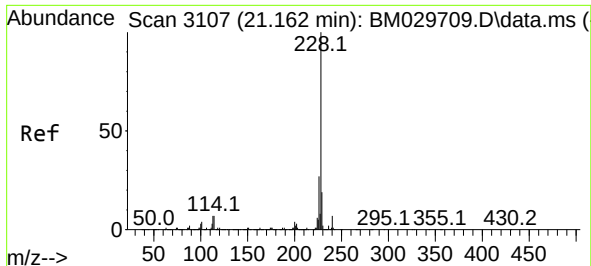
Tgt Ion:202 Resp: 169279
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.3 25.9
 203 19.1 13.9 20.9



#79
 Terphenyl-d14
 Concen: 9.13 ng
 RT: 19.615 min Scan# 2844
 Delta R.T. -0.012 min
 Lab File: BM029740.D
 Acq: 30 Apr 2021 21:39

Tgt Ion:244 Resp: 229309
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.3 9.5
 122 7.4 6.9 10.3

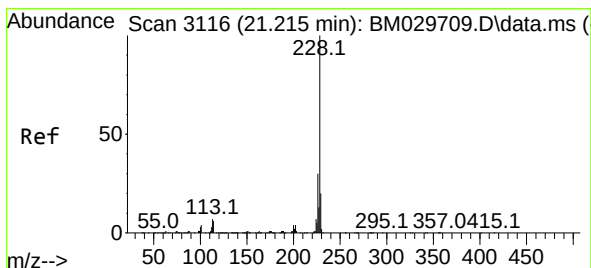
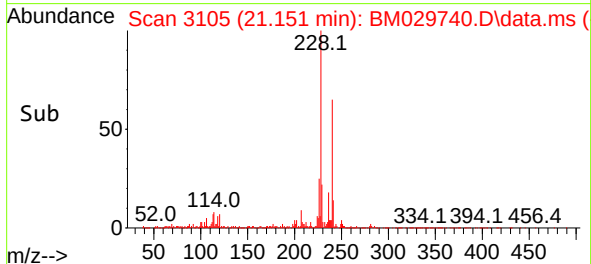
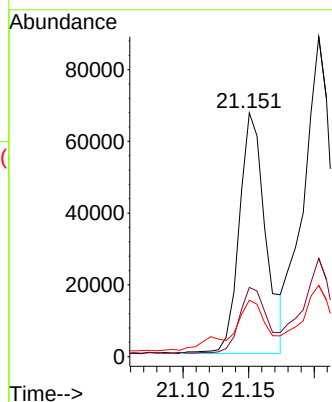
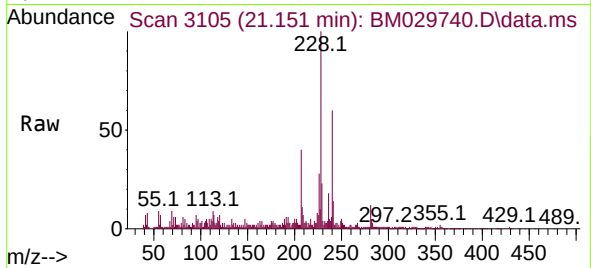




#81
Benzo(a)anthracene
Concen: 3.12 ng
RT: 21.151 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

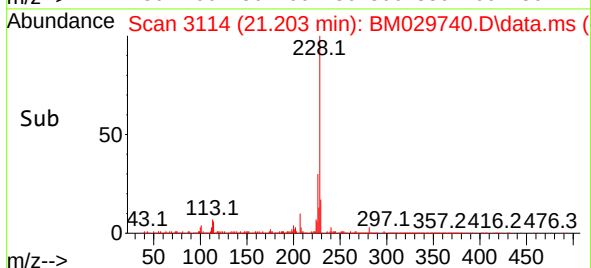
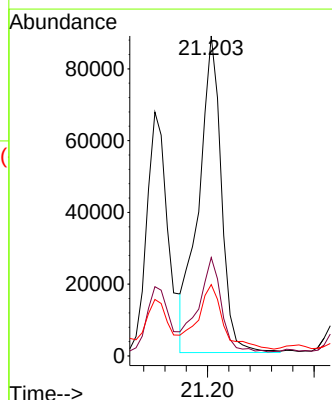
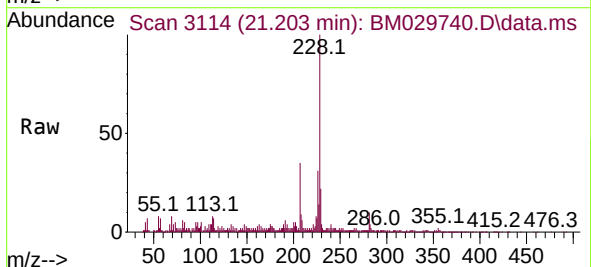
Instrument :
BNA_M
ClientSampleId :
LOADING-AREA-MUD

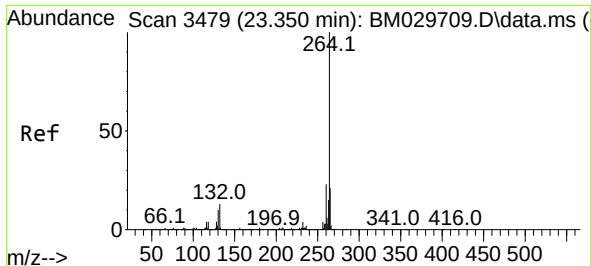
Tgt Ion:228 Resp: 93747
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 23.1 15.7 23.5



#83
Chrysene
Concen: 4.39 ng
RT: 21.203 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:228 Resp: 130726
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 22.3 15.5 23.3

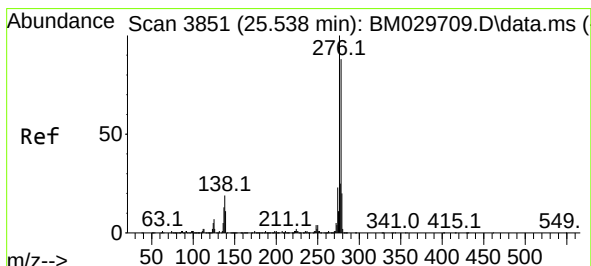
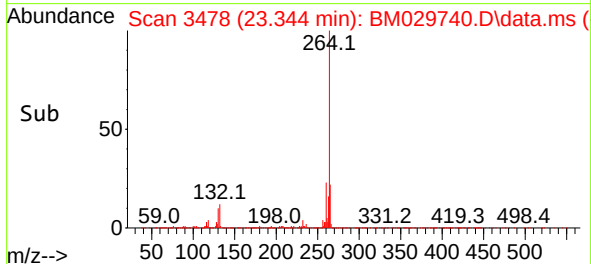
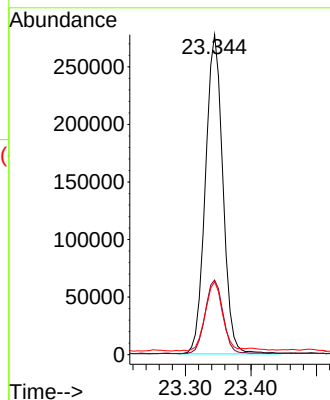
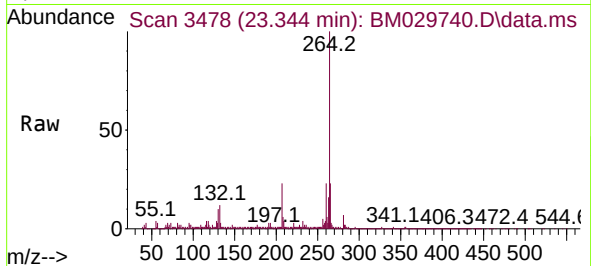




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.344 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

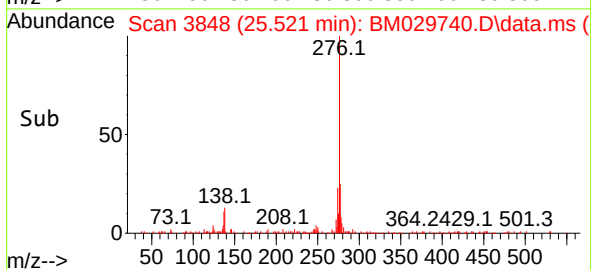
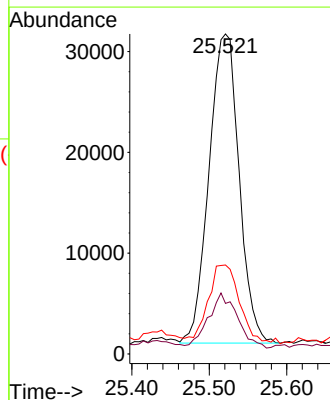
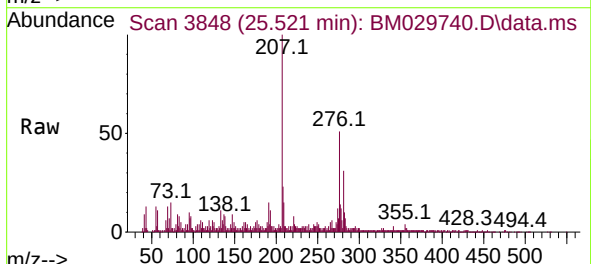
Instrument :
BNA_M
ClientSampleId :
LOADING-AREA-MUD

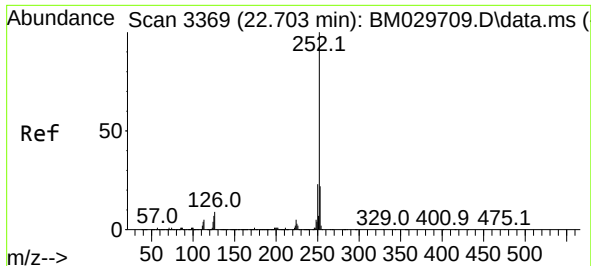
Tgt Ion:264 Resp: 512902
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.8
265 22.8 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.13 ng
RT: 25.521 min Scan# 3848
Delta R.T. -0.017 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:276 Resp: 82858
Ion Ratio Lower Upper
276 100
138 17.2 17.1 25.7
277 25.9 20.3 30.5

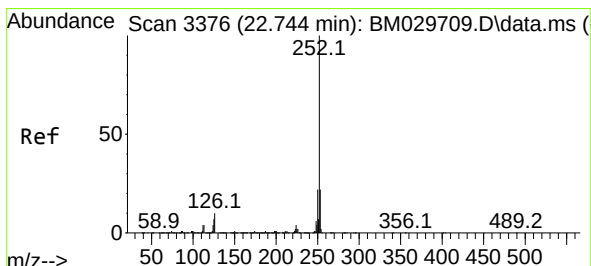
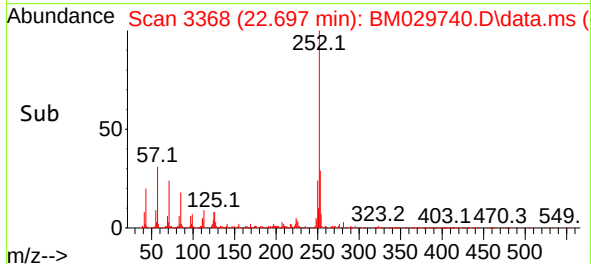
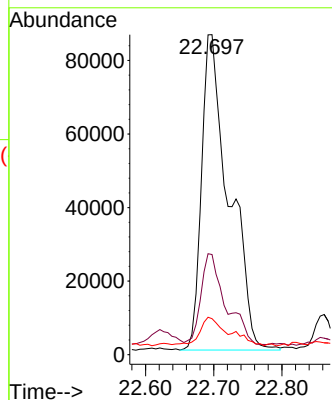
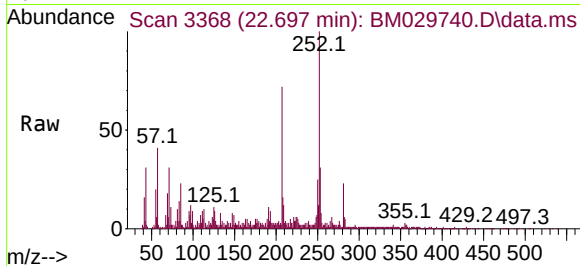




#88
Benzo(b)fluoranthene
Concen: 7.10 ng
RT: 22.697 min Scan# 3368
Delta R.T. -0.006 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

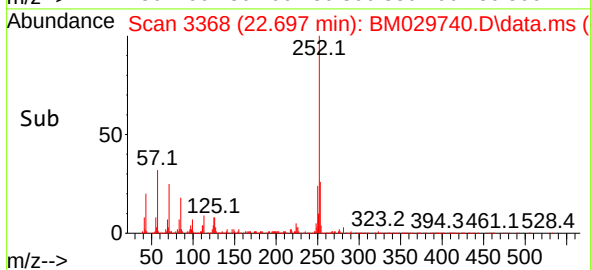
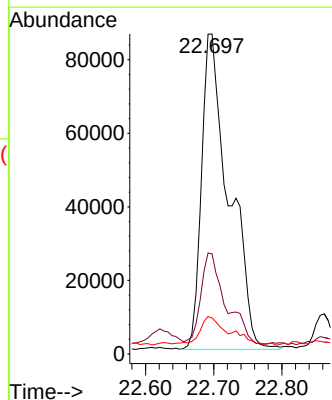
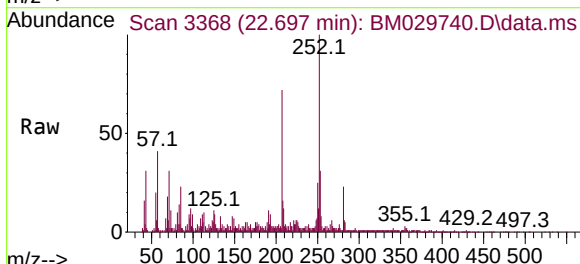
Instrument :
BNA_M
ClientSampleId :
LOADING-AREA-MUD

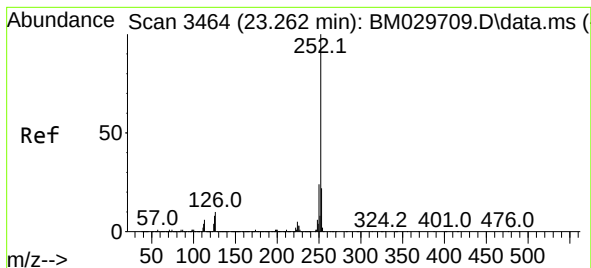
Tgt Ion:252 Resp: 240984
Ion Ratio Lower Upper
252 100
253 31.3 17.4 26.0#
125 11.3 6.8 10.2#



#89
Benzo(k)fluoranthene
Concen: 7.33 ng
RT: 22.697 min Scan# 3368
Delta R.T. -0.047 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:252 Resp: 240984
Ion Ratio Lower Upper
252 100
253 31.3 17.4 26.2#
125 11.3 6.2 9.2#

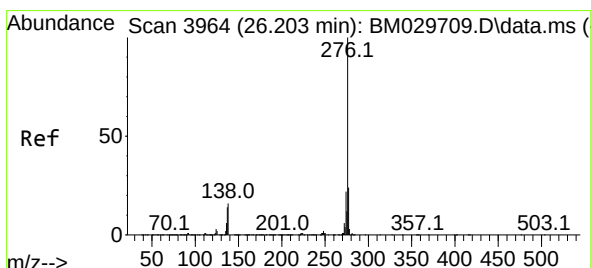
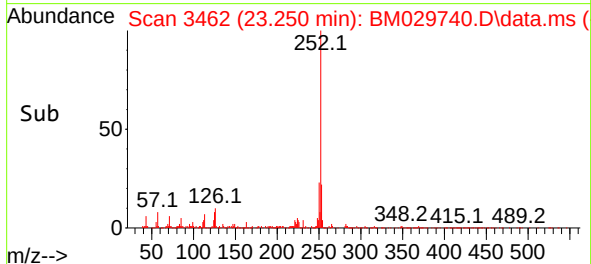
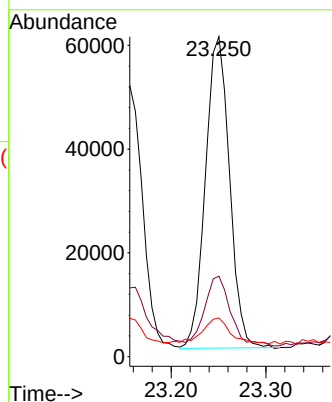
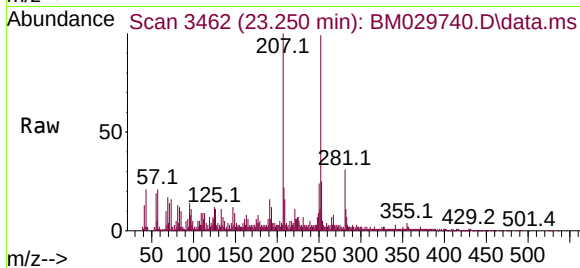




#90
Benzo(a)pyrene
Concen: 3.41 ng
RT: 23.250 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Instrument :
BNA_M
ClientSampleId :
LOADING-AREA-MUD

Tgt Ion:252 Resp: 105771
Ion Ratio Lower Upper
252 100
253 25.1 17.7 26.5
125 12.1 7.3 10.9#



#92
Benzo(g,h,i)perylene
Concen: 2.62 ng
RT: 26.185 min Scan# 3961
Delta R.T. -0.017 min
Lab File: BM029740.D
Acq: 30 Apr 2021 21:39

Tgt Ion:276 Resp: 82789
Ion Ratio Lower Upper
276 100
277 27.5 19.4 29.2
138 17.6 14.4 21.6

