

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030821\
 Data File : BM029034.D
 Acq On : 09 Mar 2021 00:22
 Operator : CG/JU
 Sample : M1589-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-067-B

Quant Time: Mar 09 01:05:53 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 05 13:17:12 2021
 Response via : Initial Calibration

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

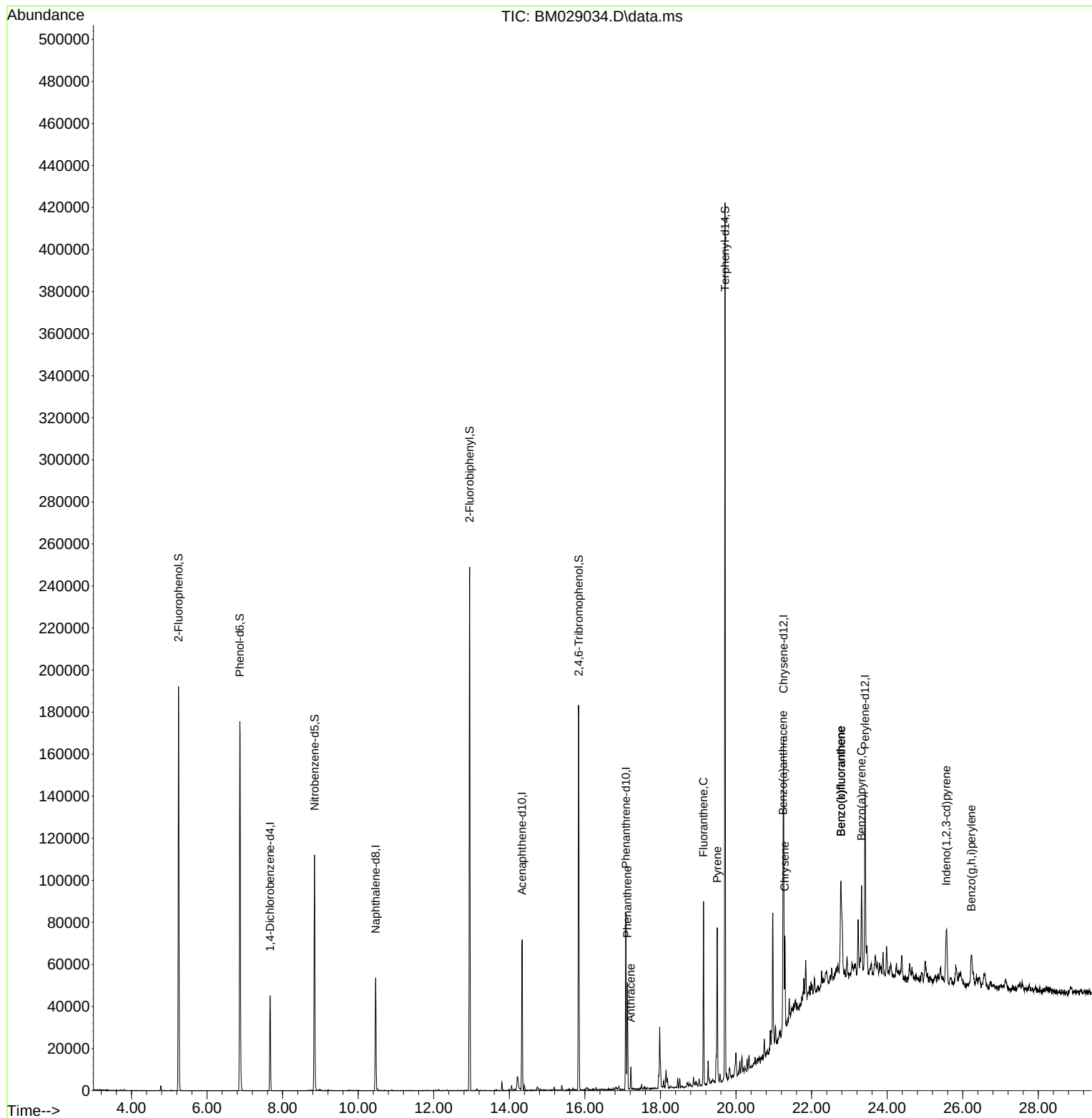
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	11427	20.00	ng	-0.01
21) Naphthalene-d8	10.463	136	42716	20.00	ng	#-0.01
39) Acenaphthene-d10	14.339	164	23375	20.00	ng	-0.01
64) Phenanthrene-d10	17.086	188	46631	20.00	ng	-0.01
76) Chrysene-d12	21.256	240	47654	20.00	ng	#-0.02
86) Perylene-d12	23.415	264	49454	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	71694	103.99	ng	0.00
7) Phenol-d6	6.869	99	84552	92.86	ng	0.00
23) Nitrobenzene-d5	8.845	82	56145	70.91	ng	-0.01
42) 2,4,6-Tribromophenol	15.839	330	26865	96.97	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	114848	65.41	ng	-0.01
79) Terphenyl-d14	19.709	244	154572	59.89	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.127	178	29868	10.76	ng	99
72) Anthracene	17.215	178	7557	2.75	ng	96
75) Fluoranthene	19.139	202	45989	15.07	ng	98
78) Pyrene	19.503	202	42428	12.12	ng	99
81) Benzo(a)anthracene	21.245	228	24375	7.37	ng	98
83) Chrysene	21.292	228	22887	7.10	ng	97
87) Indeno(1,2,3-cd)pyrene	25.568	276	17279	4.63	ng	# 91
88) Benzo(b)fluoranthene	22.774	252	33690	9.64	ng	# 93
89) Benzo(k)fluoranthene	22.774	252	33690	10.15	ng	# 93
90) Benzo(a)pyrene	23.321	252	23593	7.40	ng	# 95
92) Benzo(g,h,i)perylene	26.227	276	16471	5.26	ng	# 94

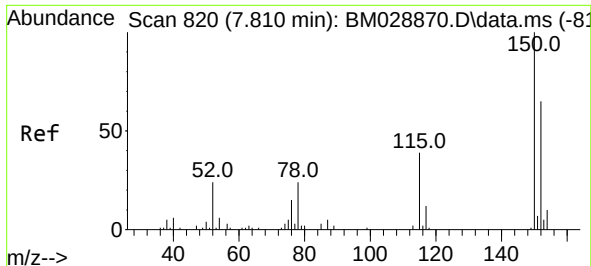
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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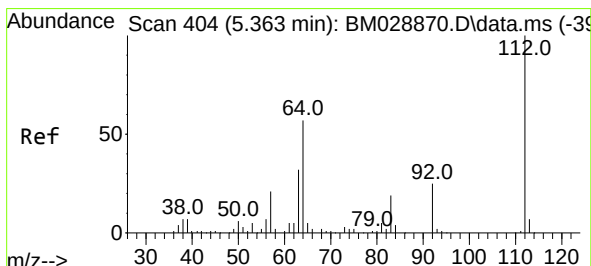
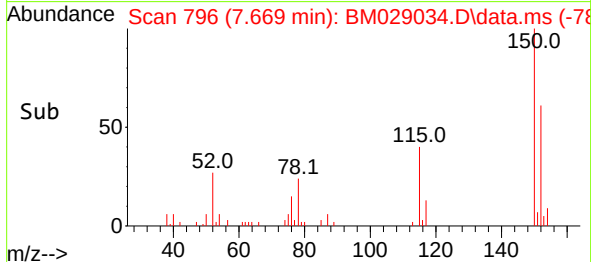
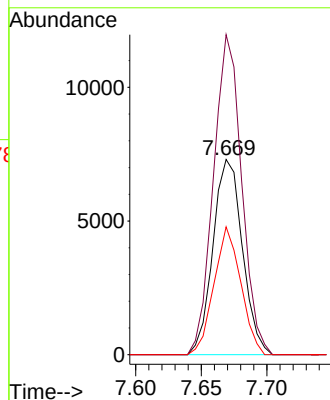
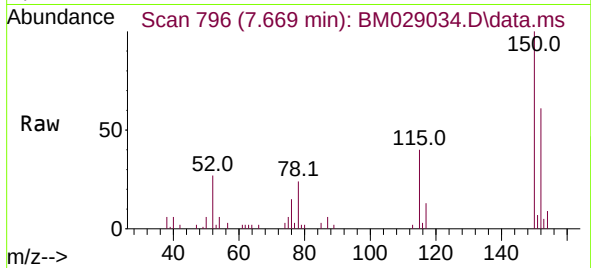




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.012 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

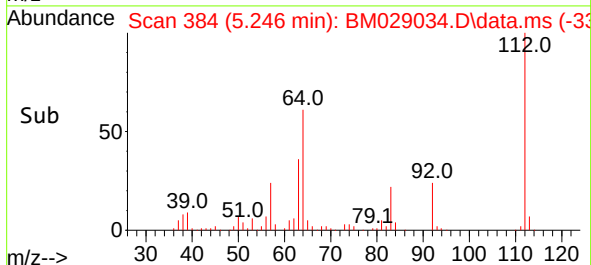
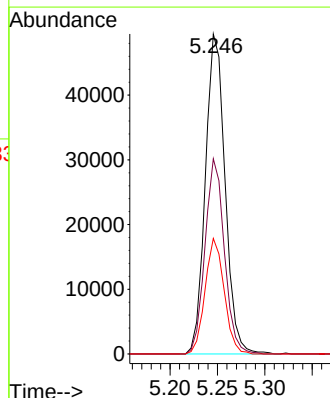
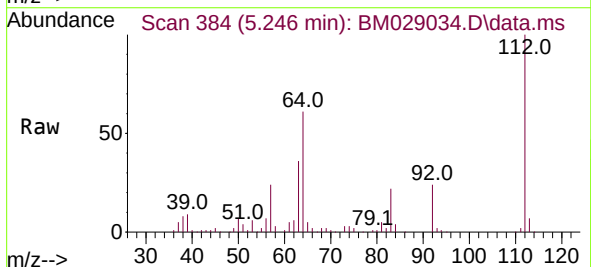
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BNA_M
ClientSampleId :
FK-GF-02-067-B

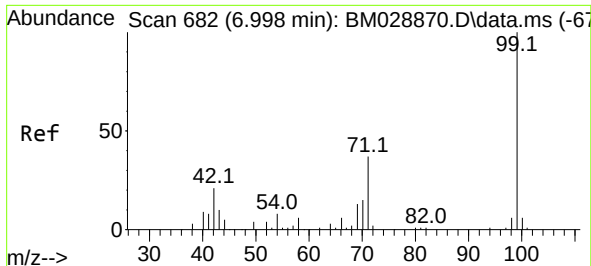
Tgt Ion:152 Resp: 11427
Ion Ratio Lower Upper
152 100
150 163.9 120.6 181.0
115 65.5 47.2 70.8



#5
2-Fluorophenol
Concen: 103.99 ng
RT: 5.246 min Scan# 384
Delta R.T. -0.000 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion:112 Resp: 71694
Ion Ratio Lower Upper
112 100
64 61.0 50.6 76.0
63 36.1 31.0 46.6

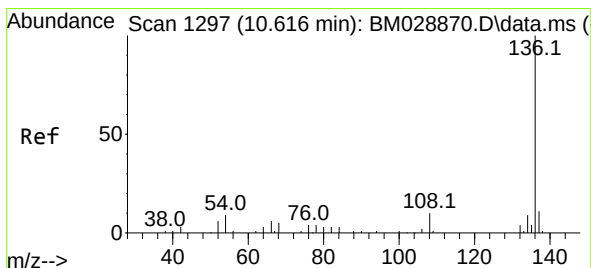
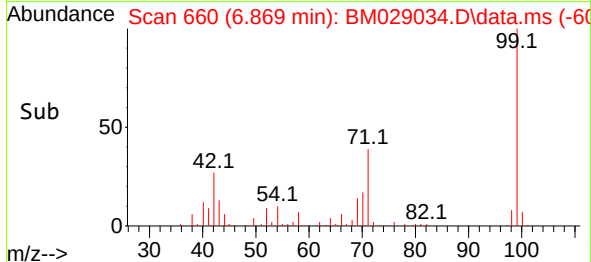
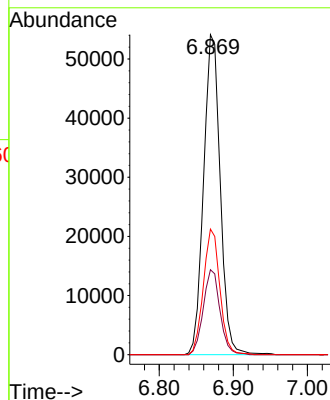
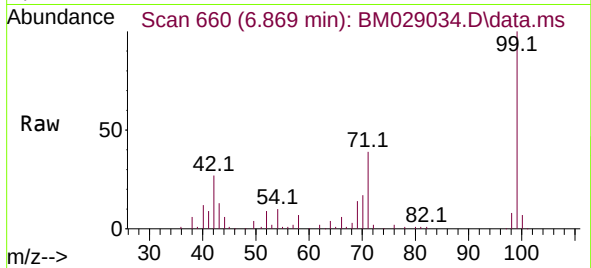




#7
Phenol-d6
Concen: 92.86 ng
RT: 6.869 min Scan# 660
Delta R.T. 0.000 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

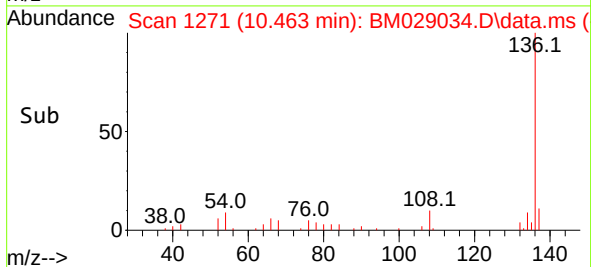
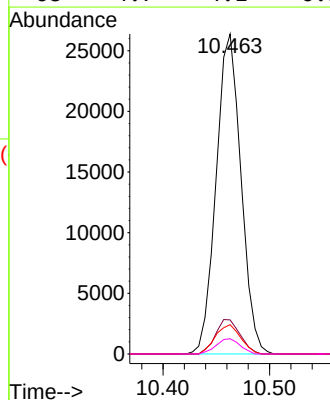
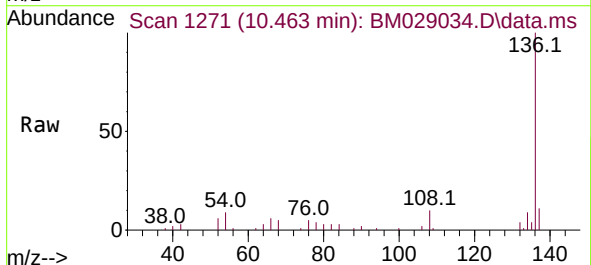
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-067-B

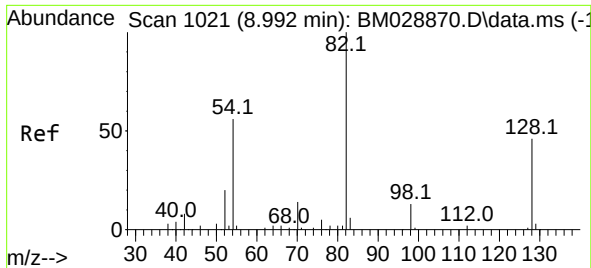
Tgt Ion: 99 Resp: 84552
Ion Ratio Lower Upper
99 100
42 26.6 13.5 20.3#
71 39.3 39.4 59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.463 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion: 136 Resp: 42716
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.2 4.6 7.0#
68 4.7 4.1 6.1

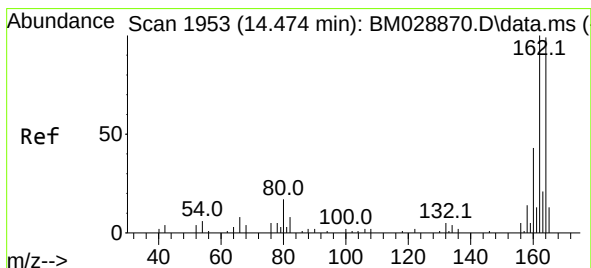
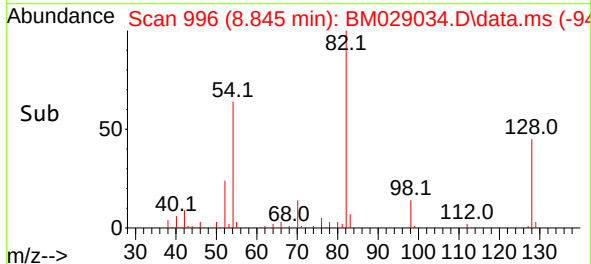
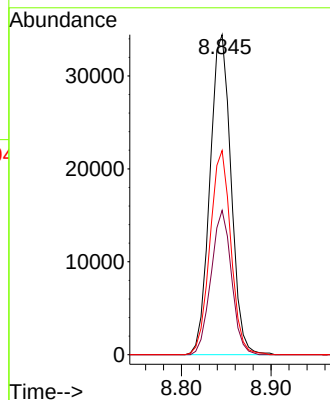
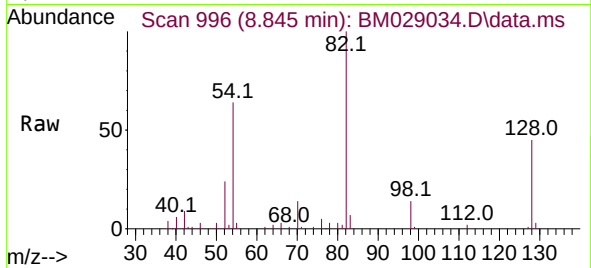




#23
 Nitrobenzene-d5
 Concen: 70.91 ng
 RT: 8.845 min Scan# 996
 Delta R.T. -0.012 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

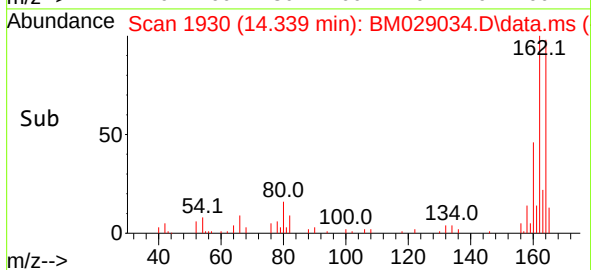
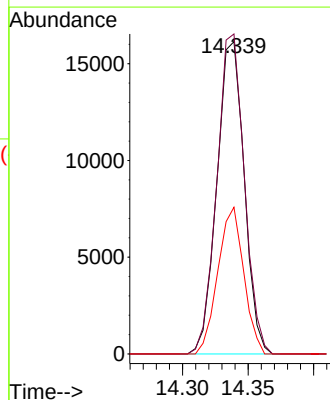
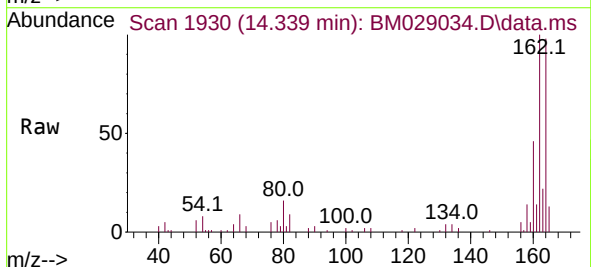
Instrument :
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 ClientSampleId :
 FK-GF-02-067-B

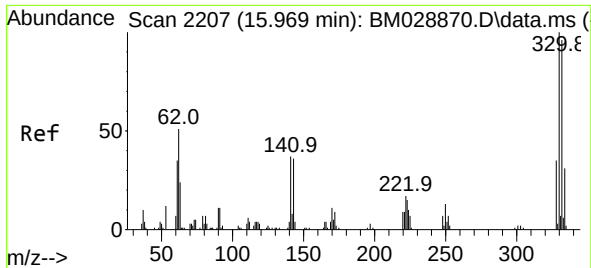
Tgt Ion: 82 Resp: 56145
 Ion Ratio Lower Upper
 82 100
 128 45.1 27.4 41.0#
 54 63.8 31.4 47.0#



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.339 min Scan# 1930
 Delta R.T. -0.012 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

Tgt Ion:164 Resp: 23375
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.4 120.6
 160 47.0 35.9 53.9

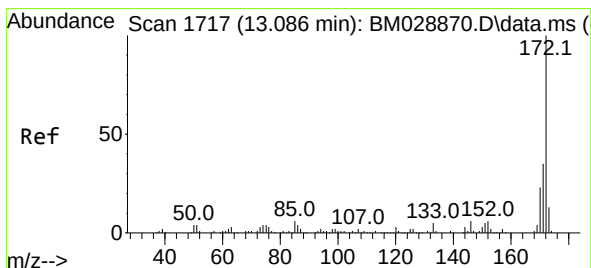
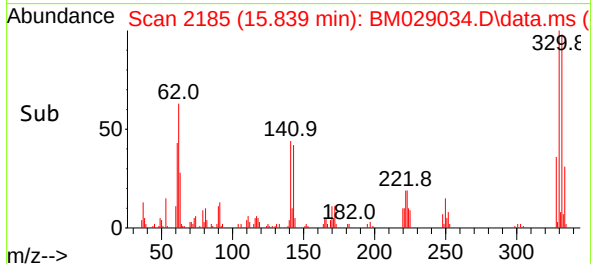
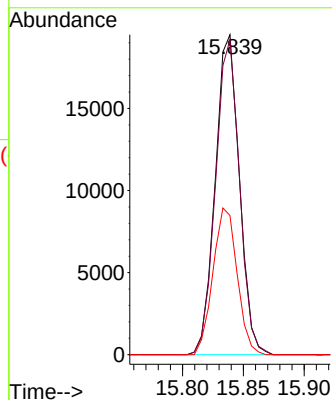
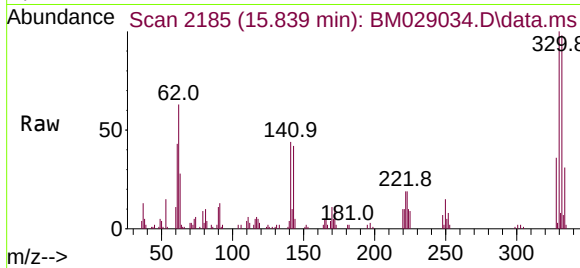




#42
2,4,6-Tribromophenol
Concen: 96.97 ng
RT: 15.839 min Scan# 2185
Delta R.T. -0.006 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

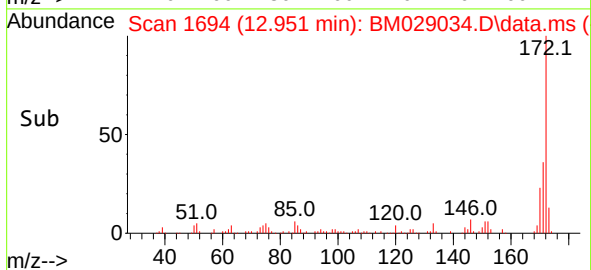
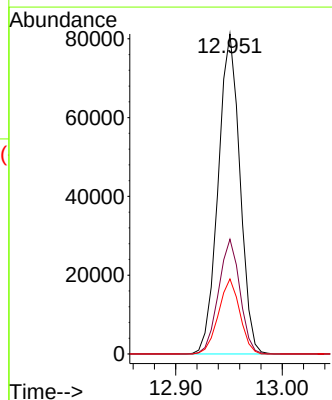
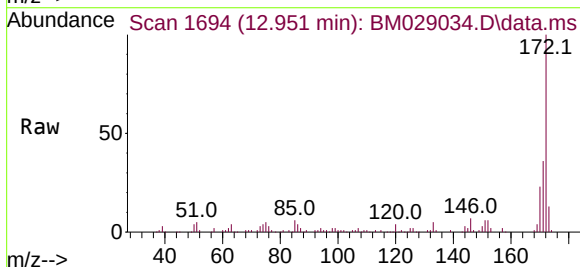
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ClientSampleId :
FK-GF-02-067-B

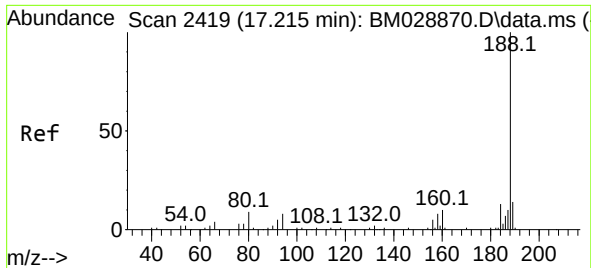
Tgt Ion:330 Resp: 26865
Ion Ratio Lower Upper
330 100
332 97.6 77.8 116.8
141 46.1 28.4 42.6#



#45
2-Fluorobiphenyl
Concen: 65.41 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion:172 Resp: 114848
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.8
170 23.4 18.6 27.8

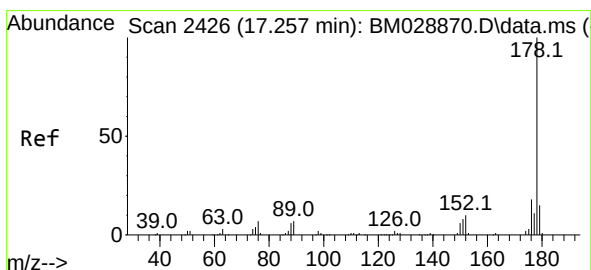
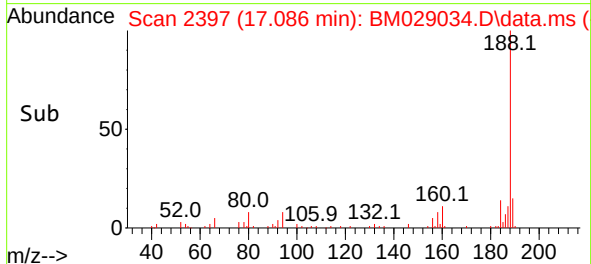
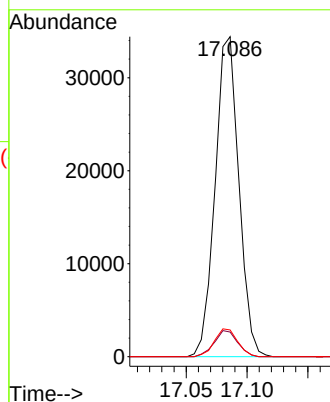
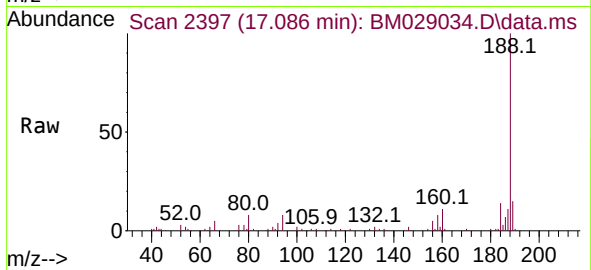




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2397
Delta R.T. -0.012 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

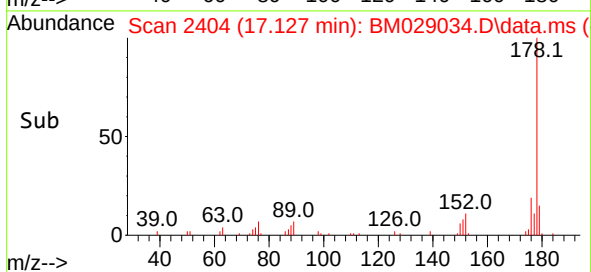
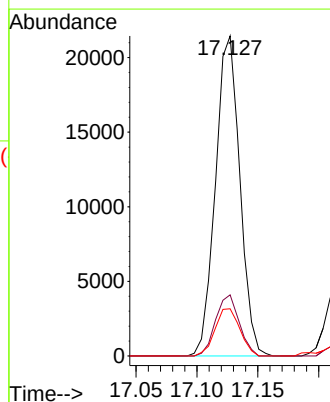
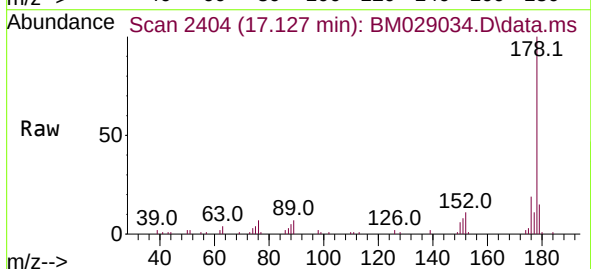
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ClientSampleId :
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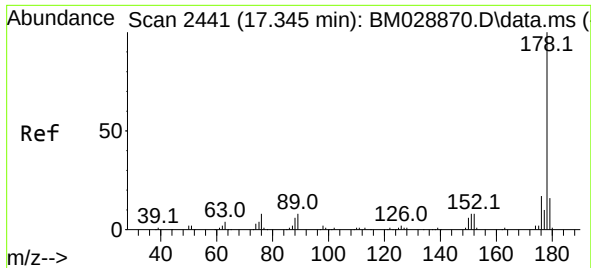
Tgt Ion:188 Resp: 46631
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.4
80 8.4 7.5 11.3



#71
Phenanthrene
Concen: 10.76 ng
RT: 17.127 min Scan# 2404
Delta R.T. -0.012 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion:178 Resp: 29868
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 14.8 12.2 18.4

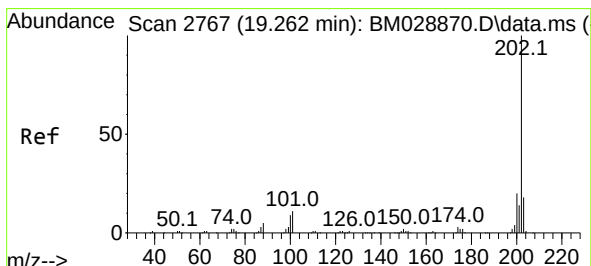
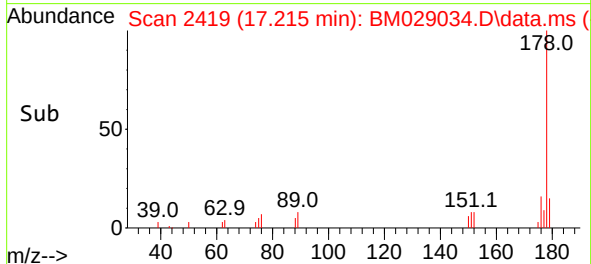
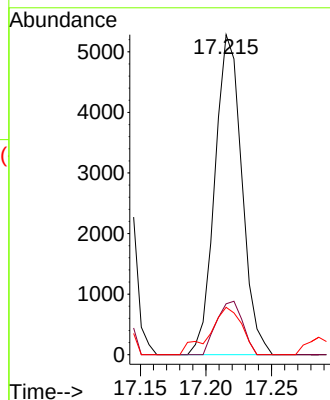
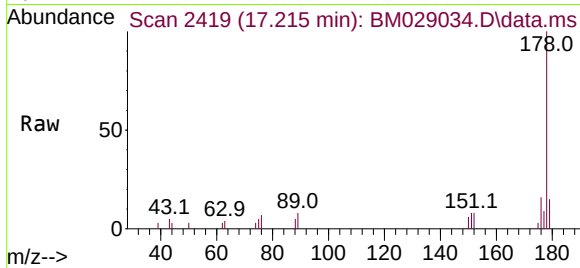




#72
 Anthracene
 Concen: 2.75 ng
 RT: 17.215 min Scan# 2419
 Delta R.T. -0.012 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

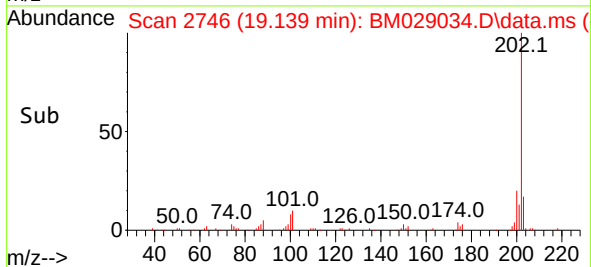
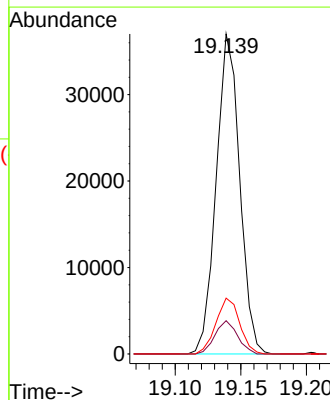
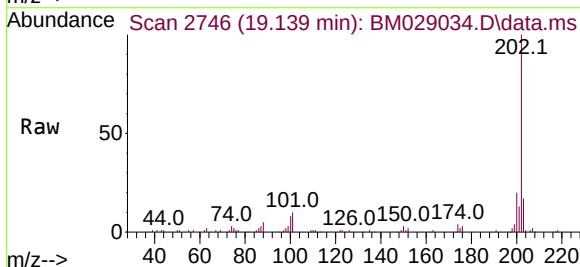
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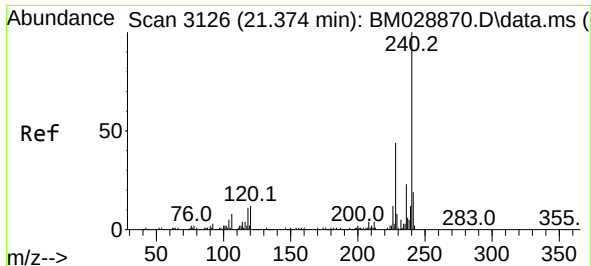
Tgt Ion:178	Resp:	7557
Ion Ratio	Lower	Upper
178	100	
176	15.9	15.0 22.4
179	14.8	12.5 18.7



#75
 Fluoranthene
 Concen: 15.07 ng
 RT: 19.139 min Scan# 2746
 Delta R.T. -0.012 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

Tgt Ion:202	Resp:	45989
Ion Ratio	Lower	Upper
202	100	
101	10.4	0.0 28.5
203	17.4	0.0 37.3

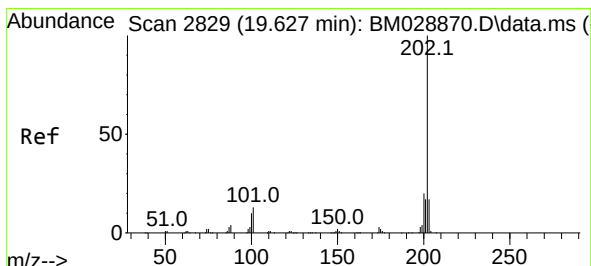
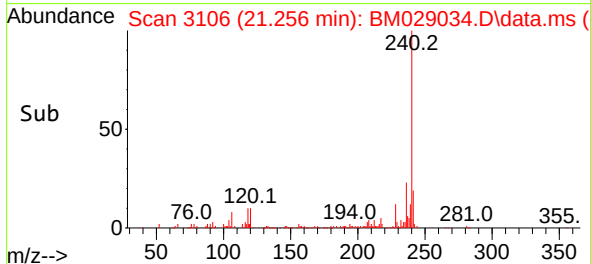
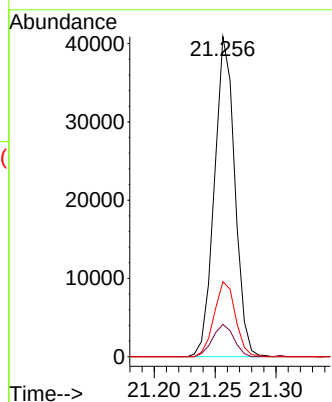
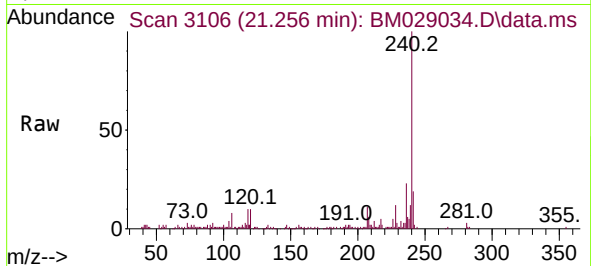




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.256 min Scan# 3106
Delta R.T. -0.018 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

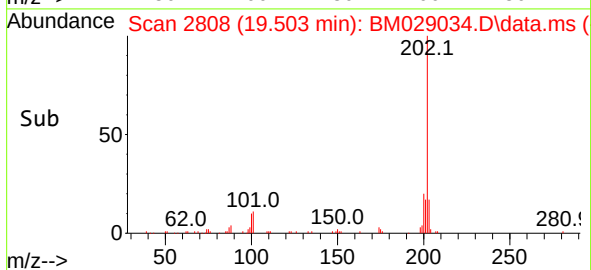
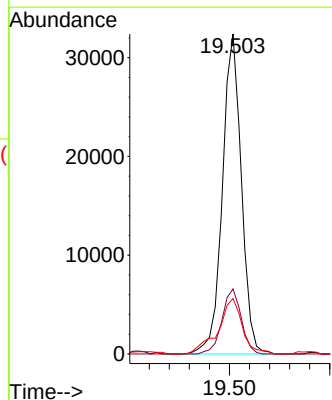
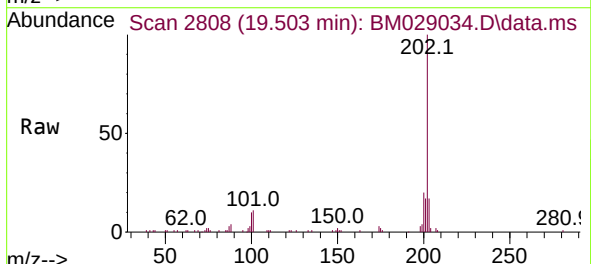
Instrument :
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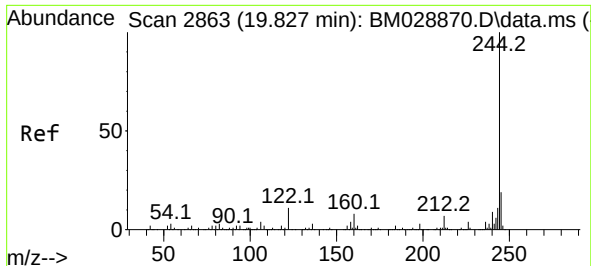
Tgt Ion:240 Resp: 47654
Ion Ratio Lower Upper
240 100
120 10.1 6.4 9.6#
236 23.4 20.1 30.1



#78
Pyrene
Concen: 12.12 ng
RT: 19.503 min Scan# 2808
Delta R.T. -0.012 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion:202 Resp: 42428
Ion Ratio Lower Upper
202 100
200 20.4 16.6 24.8
203 17.3 13.8 20.6

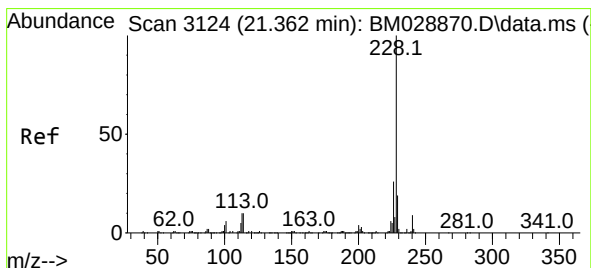
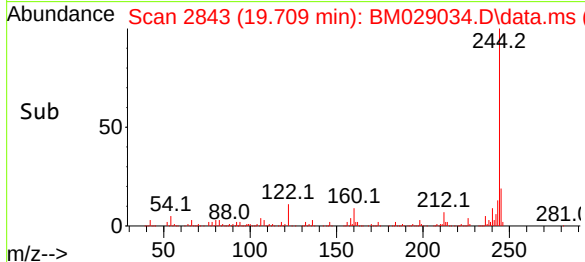
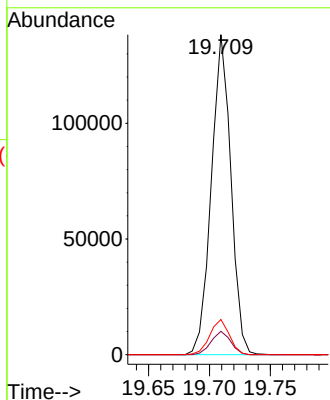
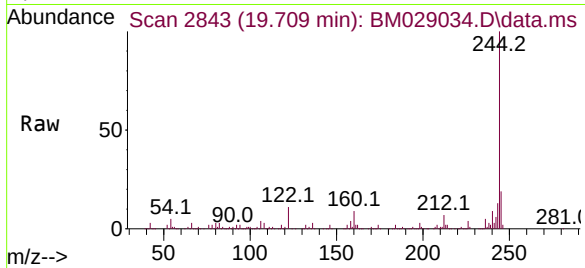




#79
 Terphenyl-d14
 Concen: 59.89 ng
 RT: 19.709 min Scan# 2843
 Delta R.T. -0.012 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

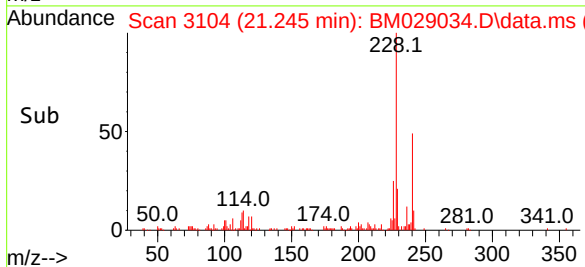
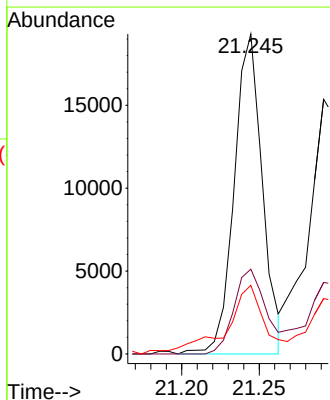
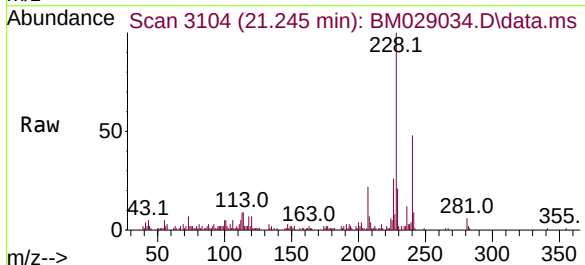
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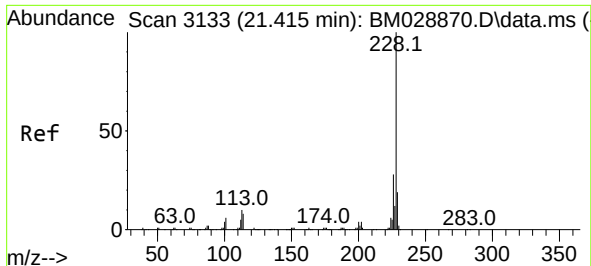
Tgt Ion:244 Resp: 154572
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 11.0 6.5 9.7#



#81
 Benzo(a)anthracene
 Concen: 7.37 ng
 RT: 21.245 min Scan# 3104
 Delta R.T. -0.012 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

Tgt Ion:228 Resp: 24375
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.1 31.7
 229 21.4 15.7 23.5

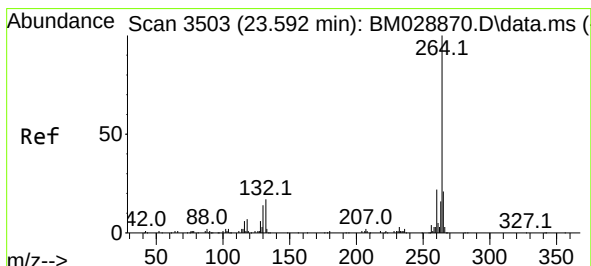
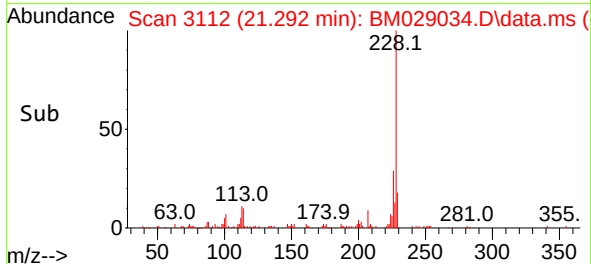
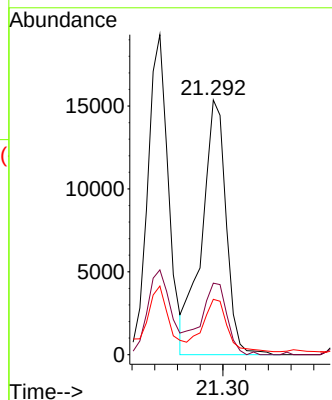
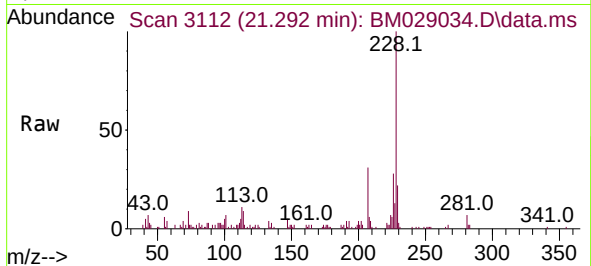




#83
Chrysene
Concen: 7.10 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.018 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

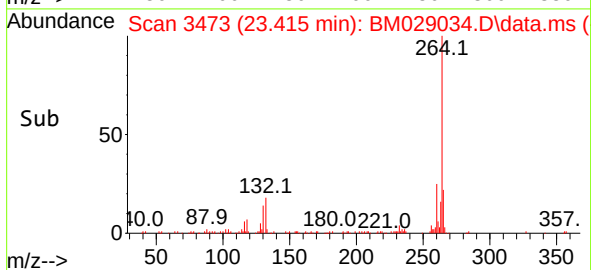
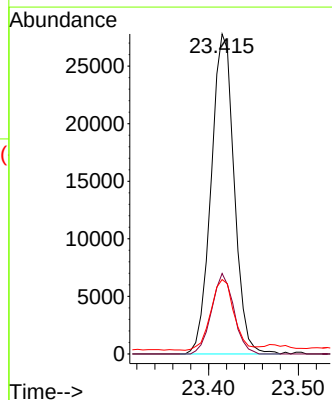
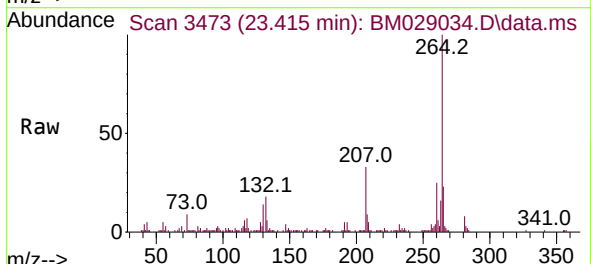
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-067-B

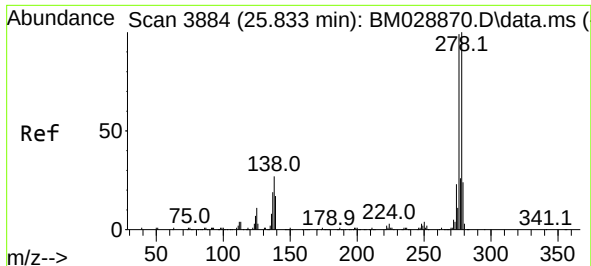
Tgt Ion:228	Resp:	22887
Ion Ratio	Lower	Upper
228	100	
226	28.1	23.4 35.0
229	21.8	15.7 23.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.415 min Scan# 3473
Delta R.T. -0.024 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion:264	Resp:	49454
Ion Ratio	Lower	Upper
264	100	
260	25.2	19.0 28.4
265	23.3	17.7 26.5

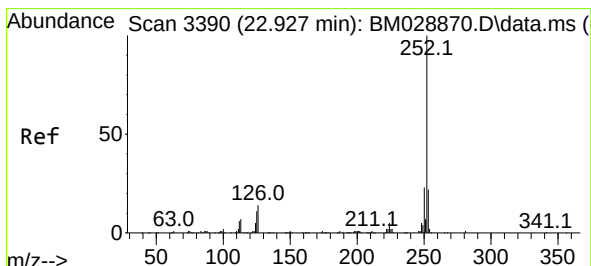
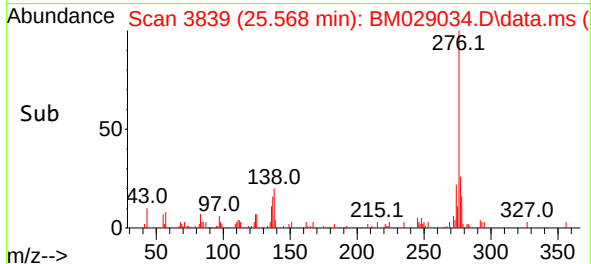
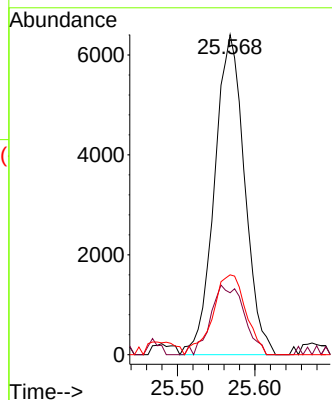
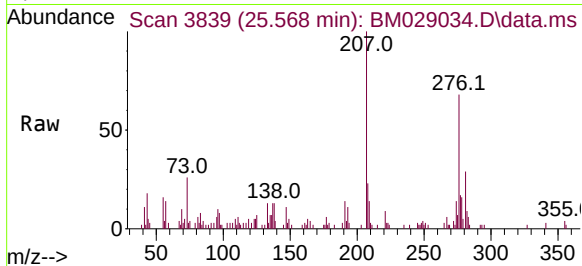




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.63 ng
 RT: 25.568 min Scan# 3839
 Delta R.T. -0.035 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

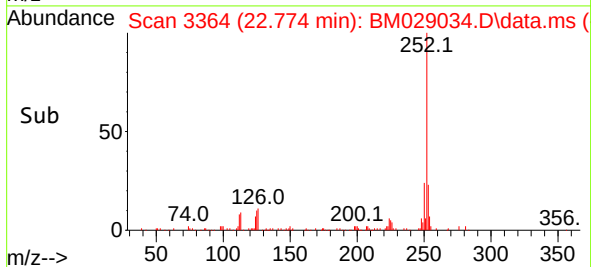
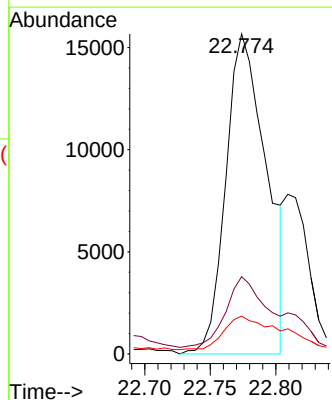
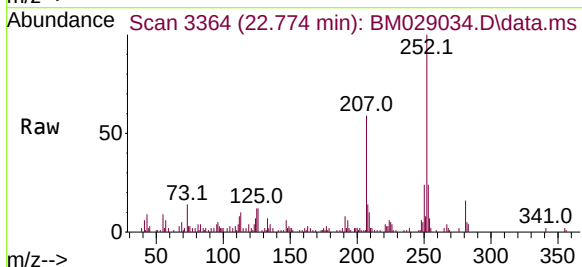
Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-067-B

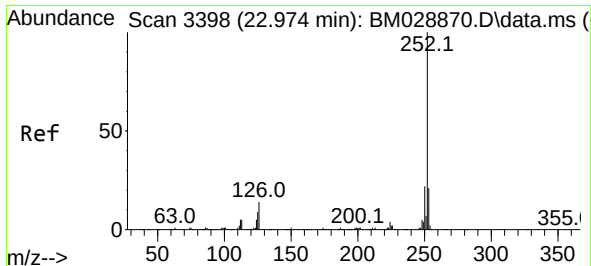
Tgt Ion:276 Resp: 17279
 Ion Ratio Lower Upper
 276 100
 138 24.1 14.2 21.4#
 277 27.4 19.8 29.8



#88
 Benzo(b)fluoranthene
 Concen: 9.64 ng
 RT: 22.774 min Scan# 3364
 Delta R.T. -0.018 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

Tgt Ion:252 Resp: 33690
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.0
 125 11.9 5.7 8.5#

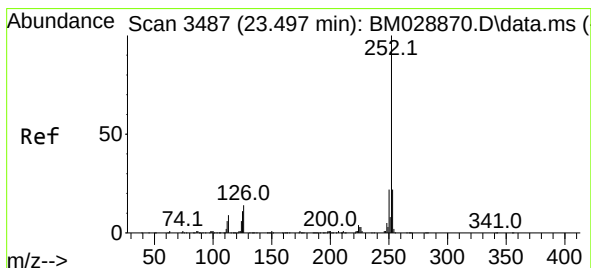
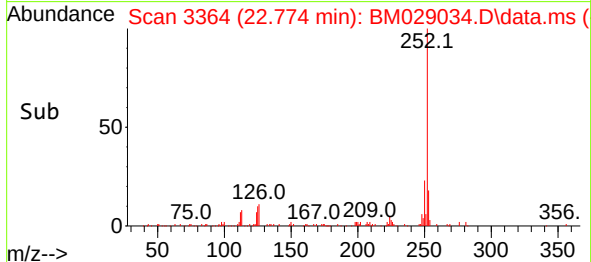
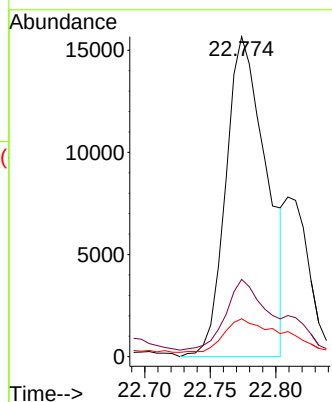
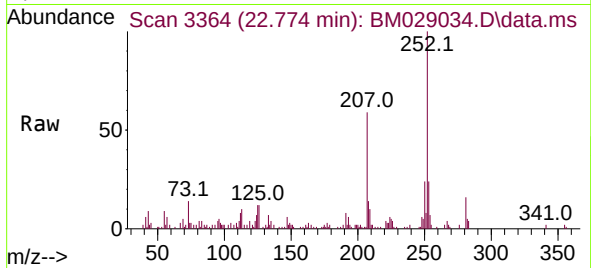




#89
Benzo(k)fluoranthene
Concen: 10.15 ng
RT: 22.774 min Scan# 3364
Delta R.T. -0.059 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

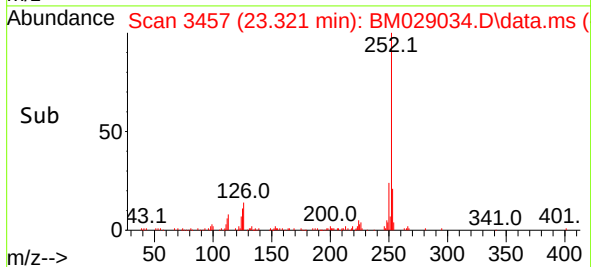
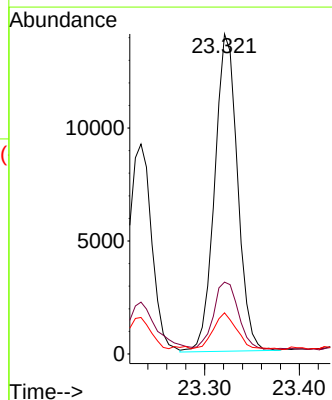
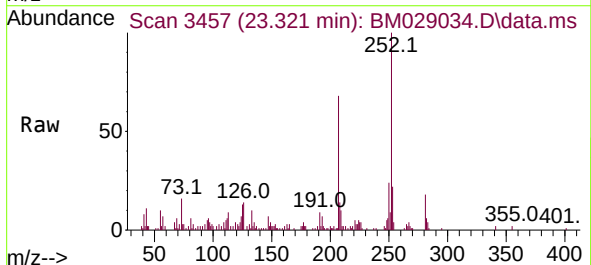
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-067-B

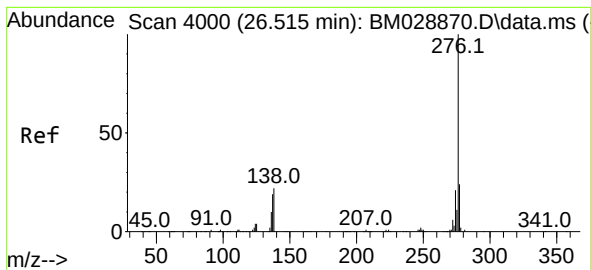
Tgt Ion:252 Resp: 33690
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 11.9 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 7.40 ng
RT: 23.321 min Scan# 3457
Delta R.T. -0.024 min
Lab File: BM029034.D
Acq: 09 Mar 2021 00:22

Tgt Ion:252 Resp: 23593
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 12.8 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 5.26 ng
 RT: 26.227 min Scan# 3951
 Delta R.T. -0.035 min
 Lab File: BM029034.D
 Acq: 09 Mar 2021 00:22

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-067-B

Tgt Ion: 276 Resp: 16471
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.6 28.0
 138 21.2 12.2 18.2#

