

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042321\
 Data File : BM029620.D
 Acq On : 23 Apr 2021 19:31
 Operator : CG/JU
 Sample : M2089-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-072-A

Quant Time: Apr 26 02:10:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 22 15:55:11 2021
 Response via : Initial Calibration

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

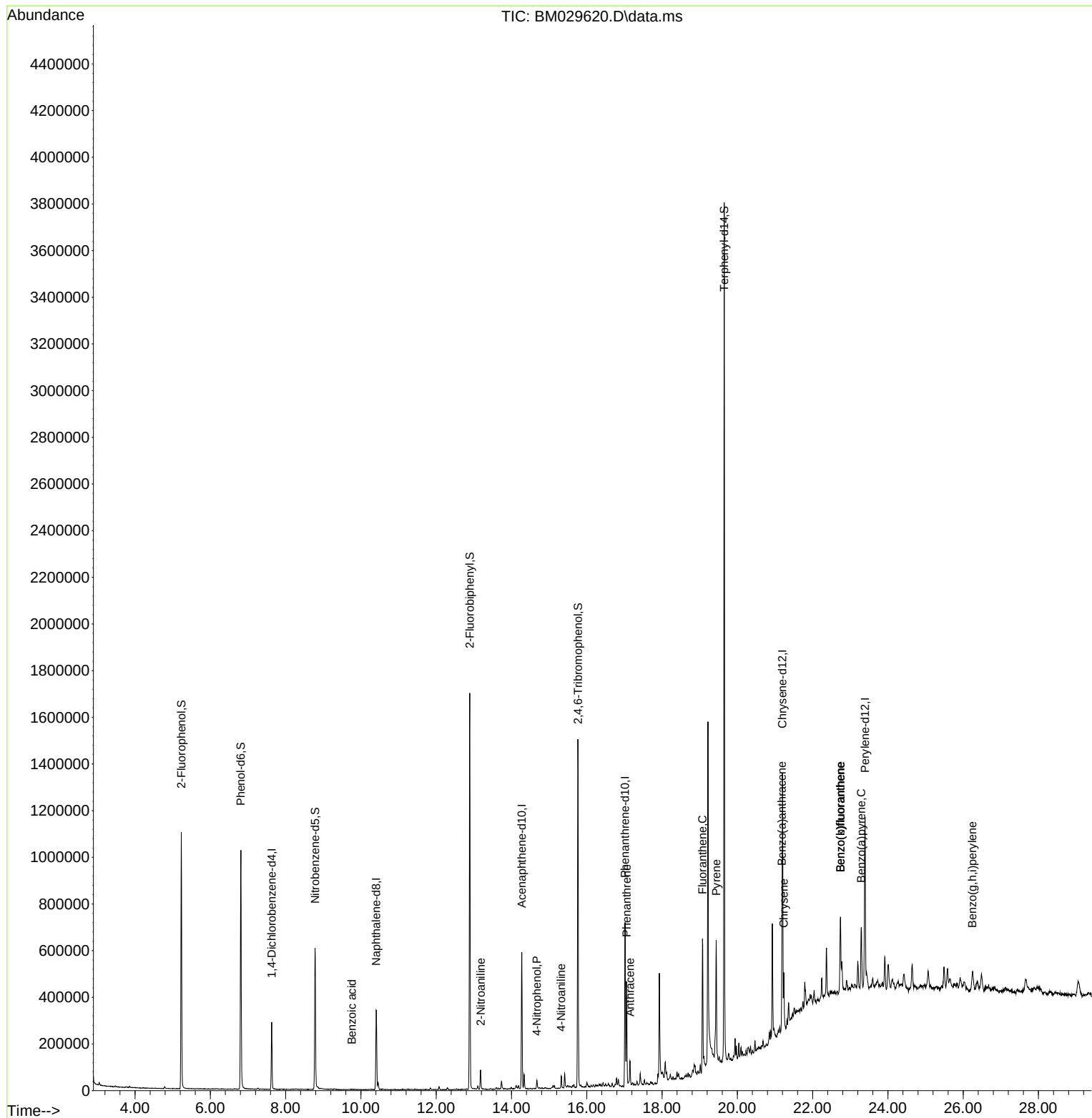
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.628	152	78074	20.00	ng	0.00
21) Naphthalene-d8	10.404	136	280380	20.00	ng	-0.01
39) Acenaphthene-d10	14.275	164	189302	20.00	ng	0.00
64) Phenanthrene-d10	17.016	188	418298	20.00	ng	0.00
76) Chrysene-d12	21.198	240	457139	20.00	ng	0.00
86) Perylene-d12	23.392	264	485075	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	419439	107.71	ng	0.00
7) Phenol-d6	6.811	99	530560	91.21	ng	0.00
23) Nitrobenzene-d5	8.781	82	354192	65.06	ng	0.00
42) 2,4,6-Tribromophenol	15.769	330	255597	97.63	ng	0.00
45) 2-Fluorobiphenyl	12.893	172	874055	62.67	ng	0.00
79) Terphenyl-d14	19.651	244	1559077	64.66	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.757	122	56	7.23	ng	# 1
48) 2-Nitroaniline	13.181	65	1888	3.43	ng	# 4
56) 4-Nitrophenol	14.675	139	7086	3.04	ng	# 8
62) 4-Nitroaniline	15.322	138	291	3.54	ng	# 10
71) Phenanthrene	17.057	178	263765	10.95	ng	100
72) Anthracene	17.151	178	62137	2.61	ng	97
75) Fluoranthene	19.074	202	340360	11.65	ng	99
78) Pyrene	19.439	202	299875	10.20	ng	99
81) Benzo(a)anthracene	21.186	228	157320	5.20	ng	99
83) Chrysene	21.233	228	133770	4.50	ng	97
88) Benzo(b)fluoranthene	22.739	252	164129	5.19	ng	# 90
89) Benzo(k)fluoranthene	22.739	252	164129	5.18	ng	# 90
90) Benzo(a)pyrene	23.292	252	122313	4.12	ng	# 95
92) Benzo(g,h,i)perylene	26.245	276	78821	2.64	ng	98

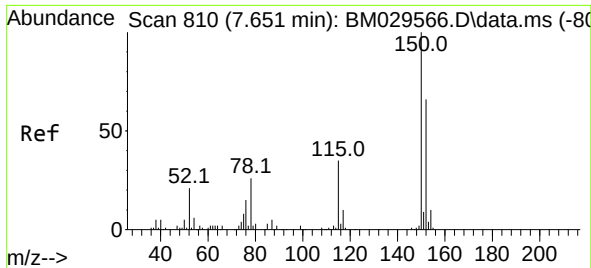
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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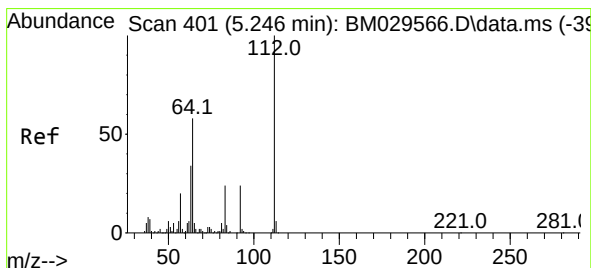
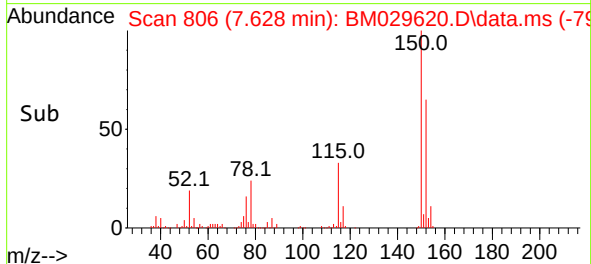
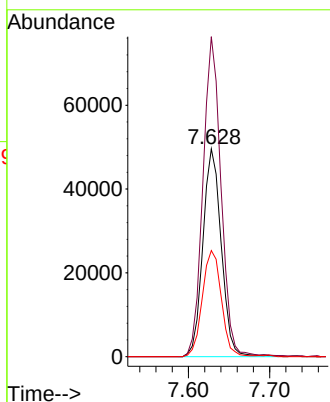
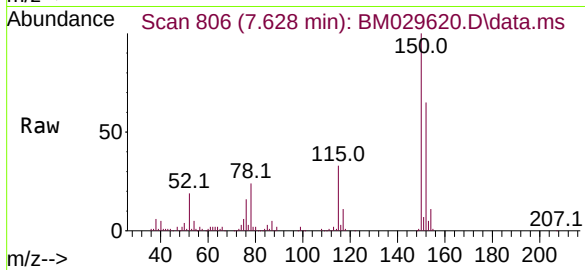




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.628 min Scan# 806
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

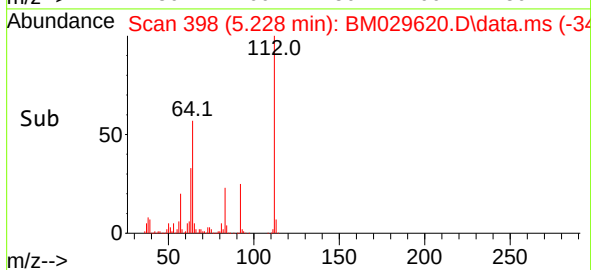
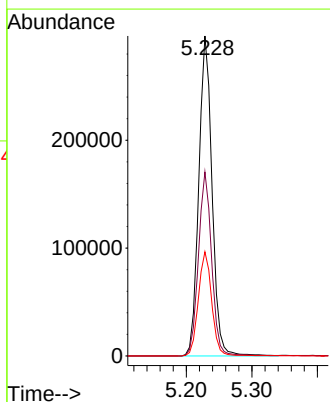
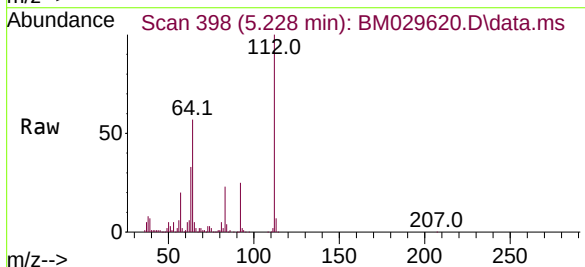
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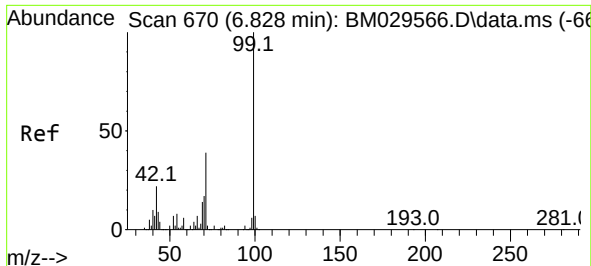
Tgt Ion:152 Resp: 78074
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 51.0 44.6 67.0



#5
2-Fluorophenol
Concen: 107.71 ng
RT: 5.228 min Scan# 398
Delta R.T. 0.000 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:112 Resp: 419439
Ion Ratio Lower Upper
112 100
64 57.5 47.1 70.7
63 32.6 27.3 40.9

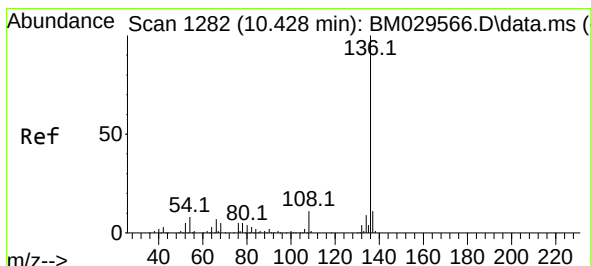
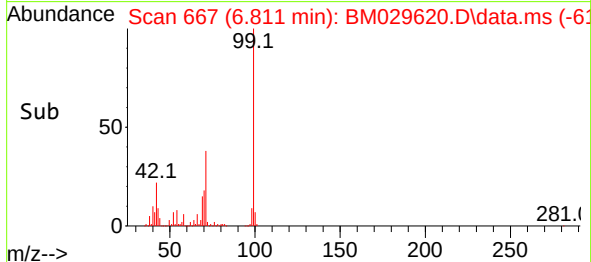
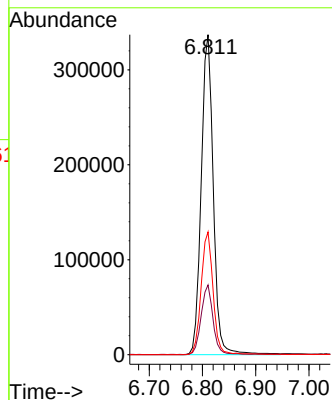
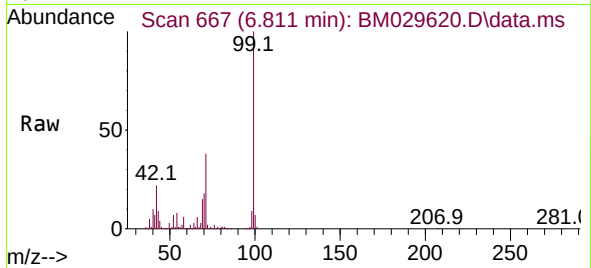




#7
Phenol-d6
Concen: 91.21 ng
RT: 6.811 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

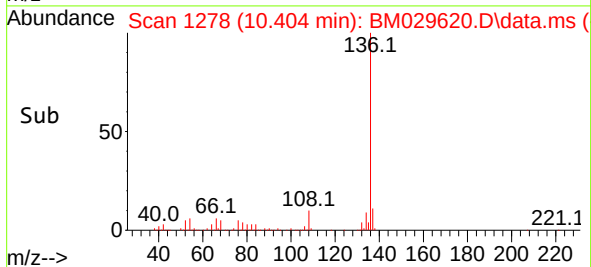
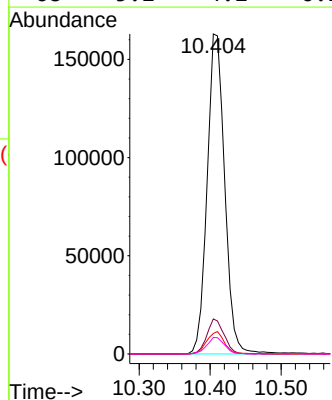
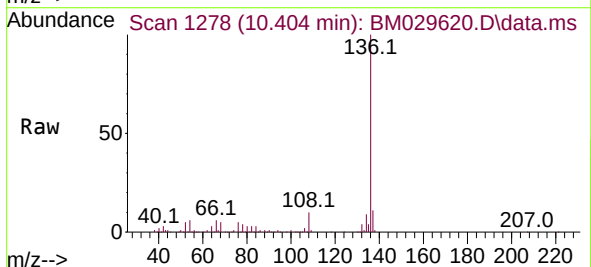
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-072-A

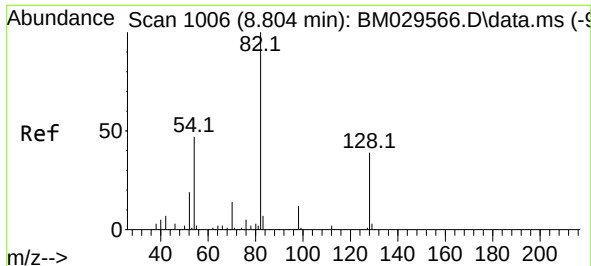
Tgt Ion: 99 Resp: 530560
Ion Ratio Lower Upper
99 100
42 21.8 18.0 27.0
71 38.4 30.9 46.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.404 min Scan# 1278
Delta R.T. -0.011 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion: 136 Resp: 280380
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.4 5.5 8.3
68 5.2 4.2 6.2

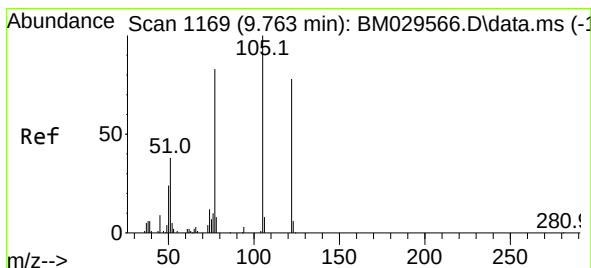
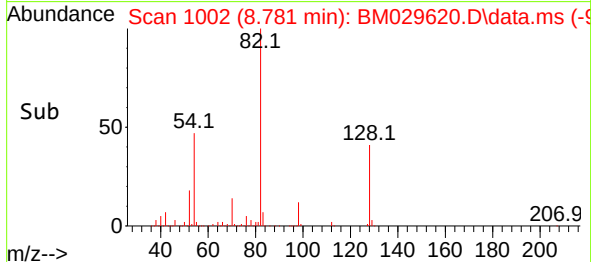
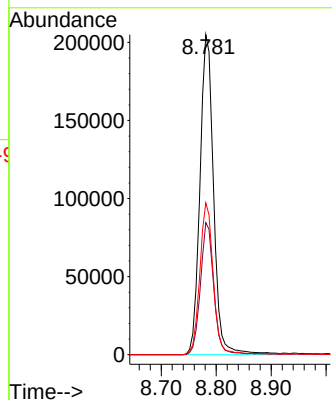
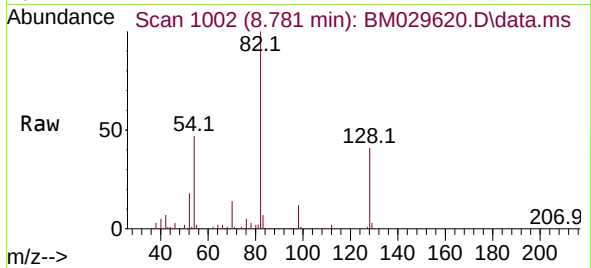




#23
Nitrobenzene-d5
Concen: 65.06 ng
RT: 8.781 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

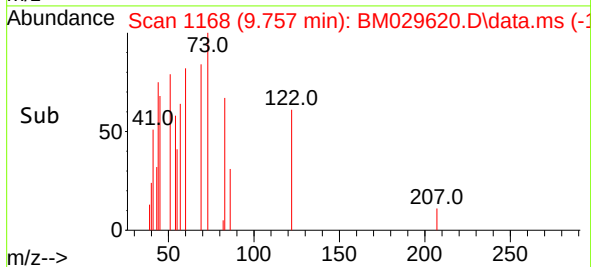
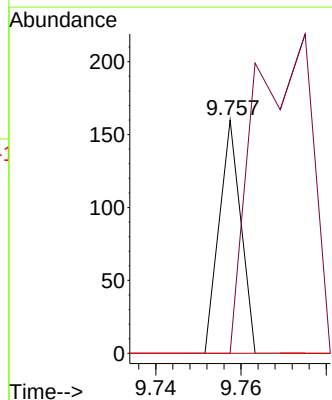
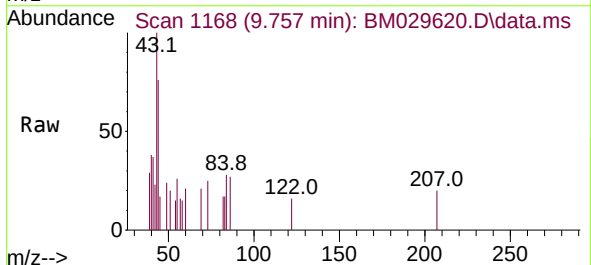
Instrument :
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ClientSampleId :
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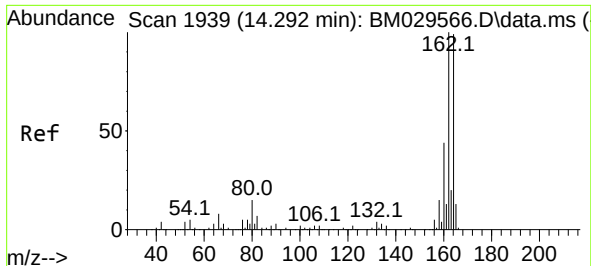
Tgt Ion: 82 Resp: 354192
Ion Ratio Lower Upper
82 100
128 41.2 31.1 46.7
54 47.4 37.3 55.9



#32
Benzoic acid
Concen: 7.23 ng
RT: 9.757 min Scan# 1168
Delta R.T. 0.012 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 107.3 147.3#
77 0.0 88.0 128.0#

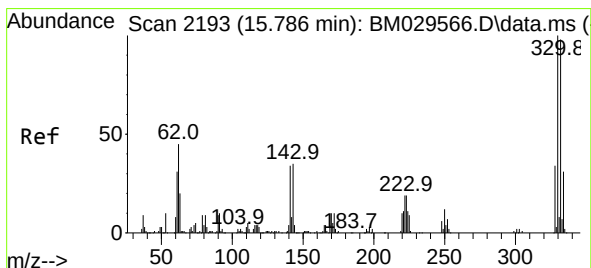
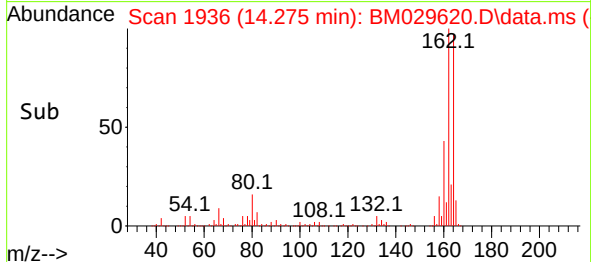
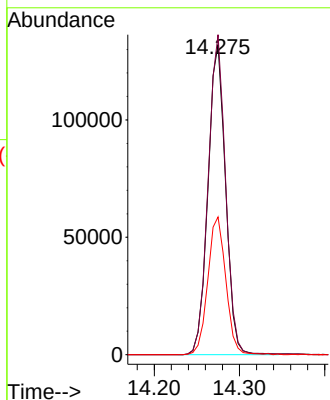
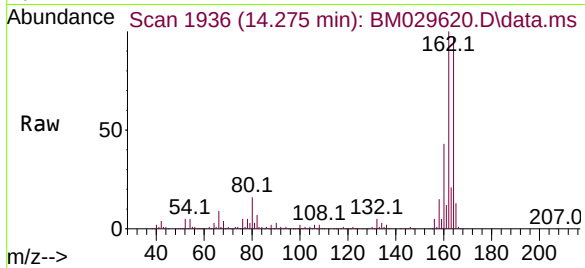




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.275 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

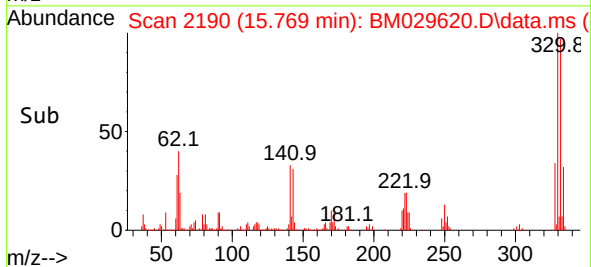
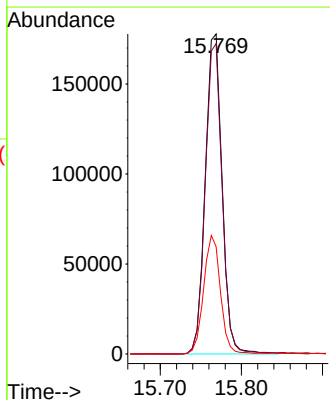
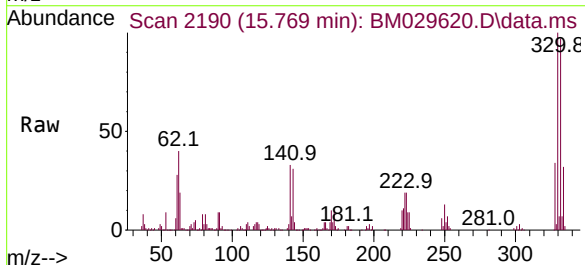
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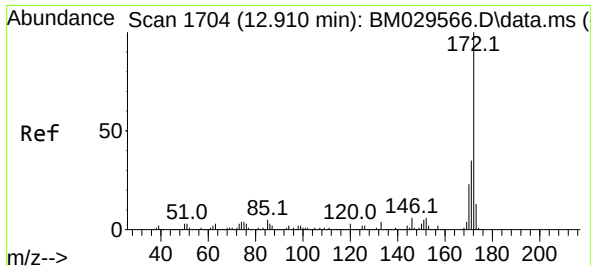
Tgt Ion:164 Resp: 189302
Ion Ratio Lower Upper
164 100
162 103.2 83.4 125.0
160 44.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 97.63 ng
RT: 15.769 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:330 Resp: 255597
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 37.0 30.2 45.2

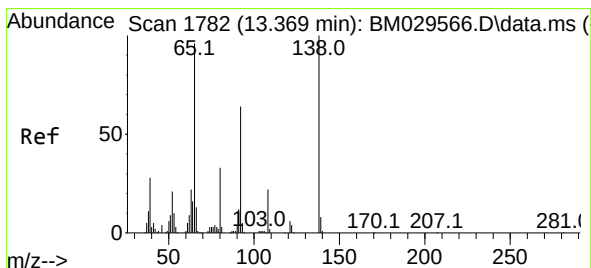
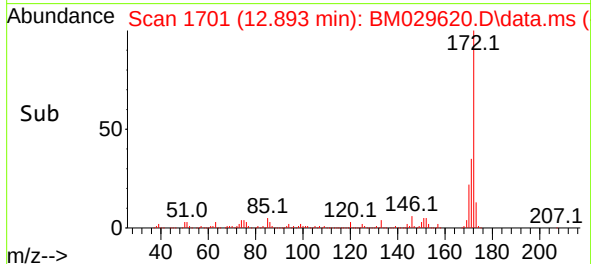
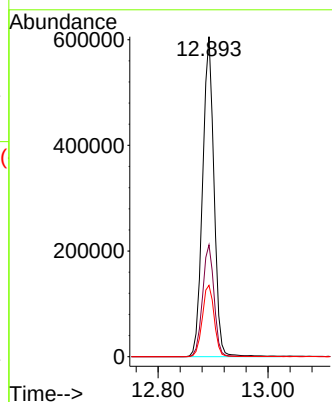
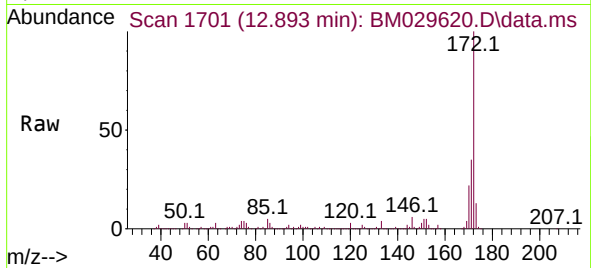




#45
2-Fluorobiphenyl
Concen: 62.67 ng
RT: 12.893 min Scan# 1701
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

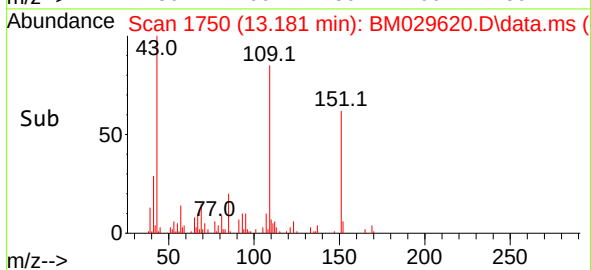
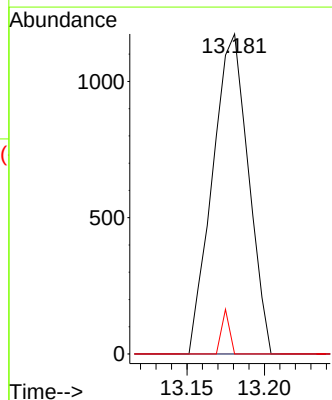
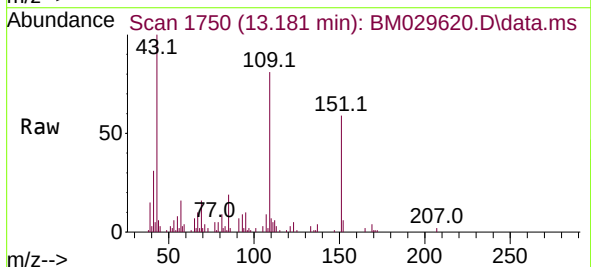
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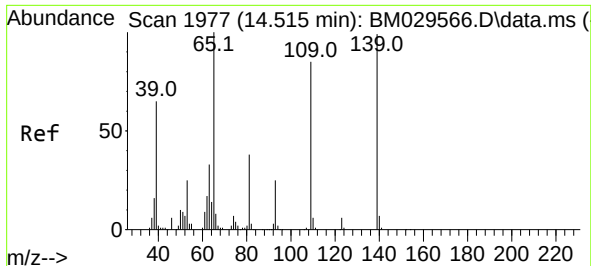
Tgt Ion:172 Resp: 874055
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 22.3 18.4 27.6



#48
2-Nitroaniline
Concen: 3.43 ng
RT: 13.181 min Scan# 1750
Delta R.T. -0.176 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion: 65 Resp: 1888
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 85.7 128.5#

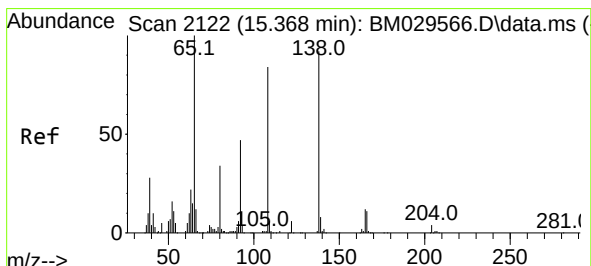
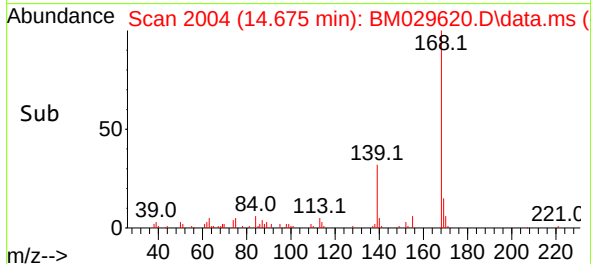
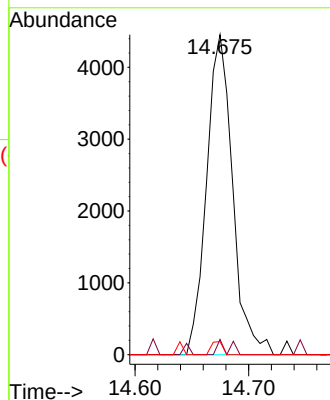
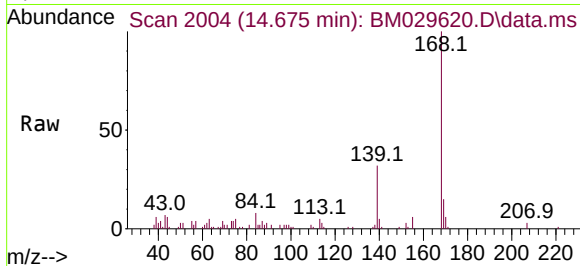




#56
4-Nitrophenol
Concen: 3.04 ng
RT: 14.675 min Scan# 2004
Delta R.T. 0.171 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

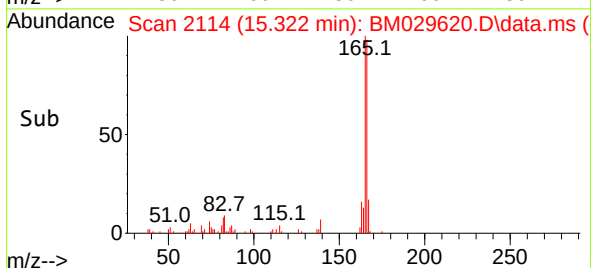
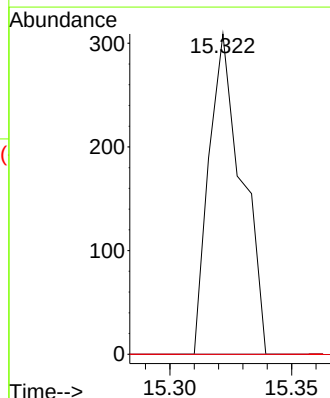
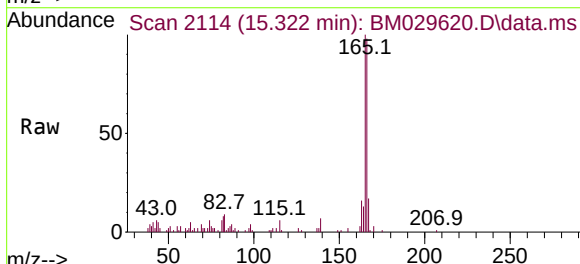
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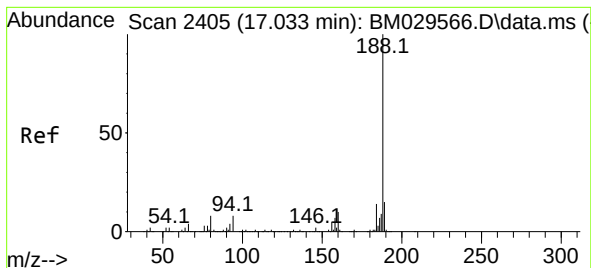
Tgt Ion:139 Resp: 7086
Ion Ratio Lower Upper
139 100
109 4.8 64.5 104.5#
65 4.1 78.9 118.9#



#62
4-Nitroaniline
Concen: 3.54 ng
RT: 15.322 min Scan# 2114
Delta R.T. -0.035 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:138 Resp: 291
Ion Ratio Lower Upper
138 100
92 0.0 33.4 73.4#
108 0.0 75.5 115.5#

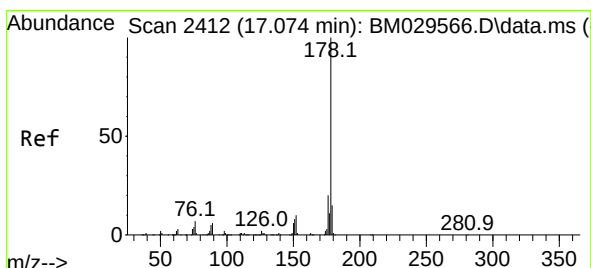
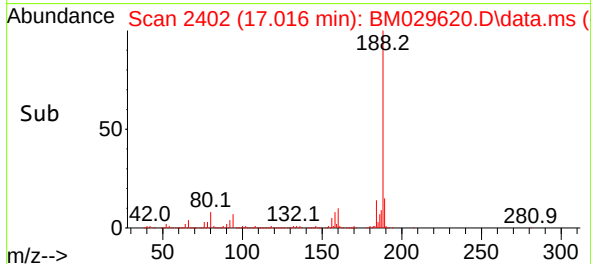
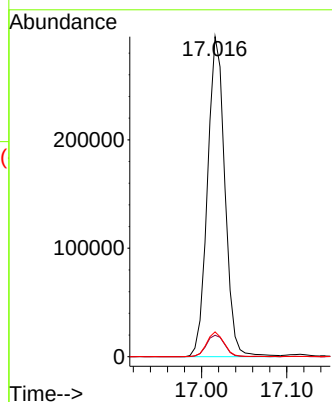
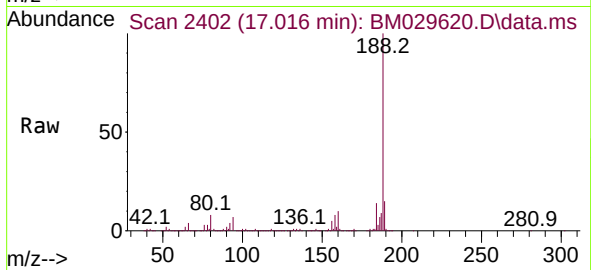




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.016 min Scan# 2402
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

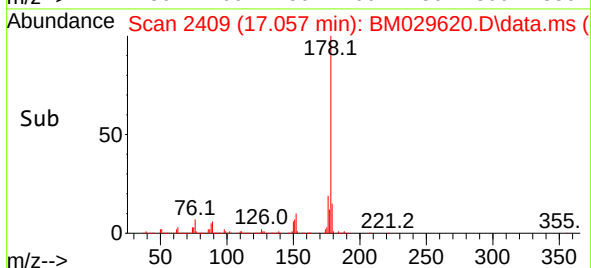
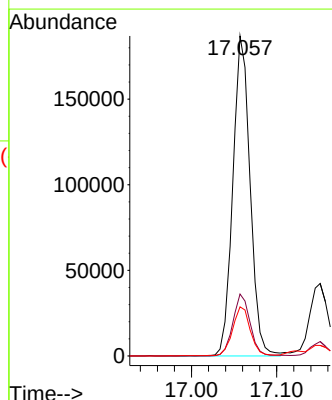
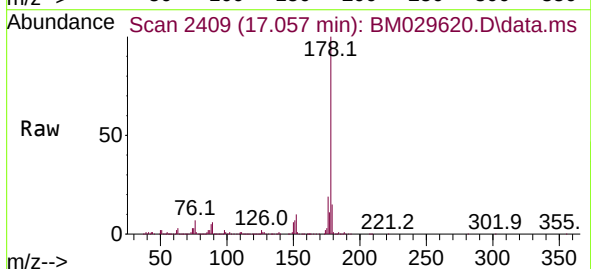
Instrument :
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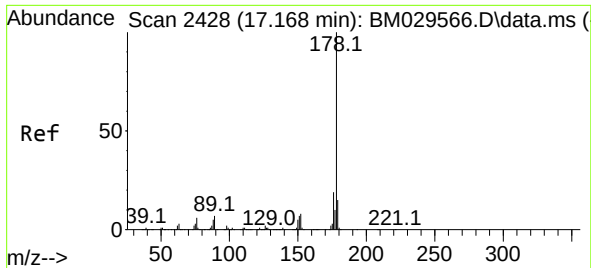
Tgt Ion:188 Resp: 418298
Ion Ratio Lower Upper
188 100
94 6.7 6.0 9.0
80 7.7 6.6 9.8



#71
Phenanthrene
Concen: 10.95 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:178 Resp: 263765
Ion Ratio Lower Upper
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176 19.3 15.4 23.0
179 15.4 12.2 18.4

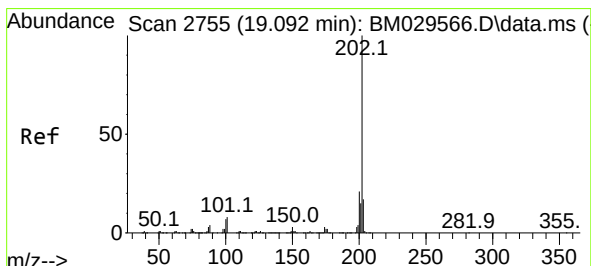
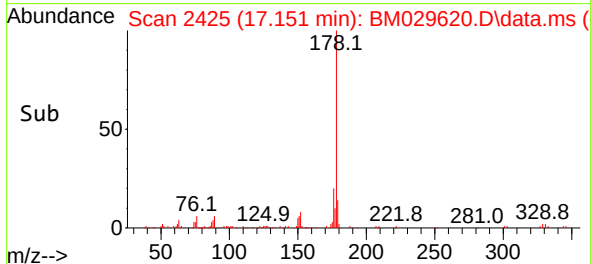
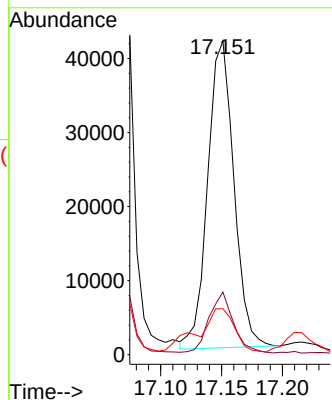
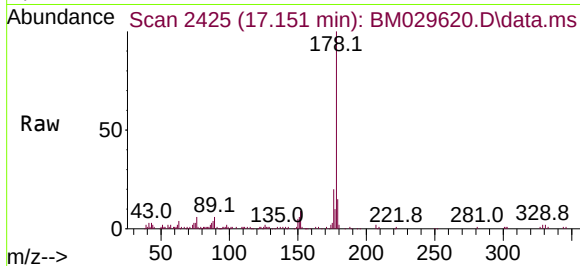




#72
 Anthracene
 Concen: 2.61 ng
 RT: 17.151 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM029620.D
 Acq: 23 Apr 2021 19:31

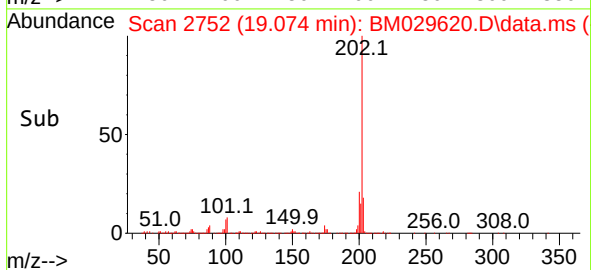
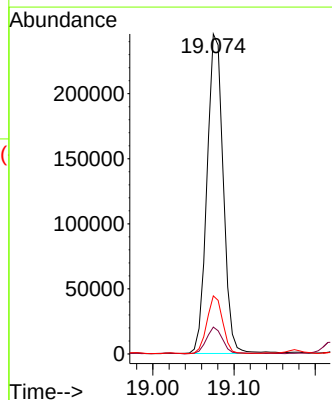
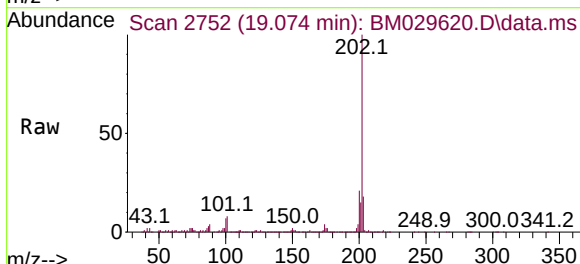
Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-072-A

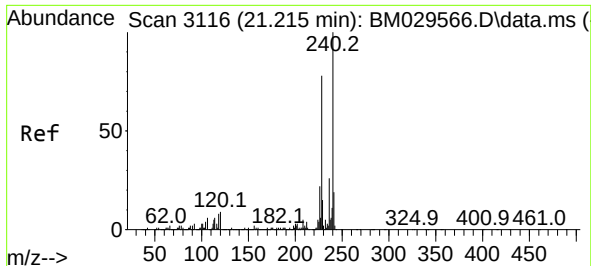
Tgt Ion:178 Resp: 62137
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.0 22.4
 179 14.7 12.5 18.7



#75
 Fluoranthene
 Concen: 11.65 ng
 RT: 19.074 min Scan# 2752
 Delta R.T. -0.006 min
 Lab File: BM029620.D
 Acq: 23 Apr 2021 19:31

Tgt Ion:202 Resp: 340360
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.6
 203 18.1 0.0 37.3

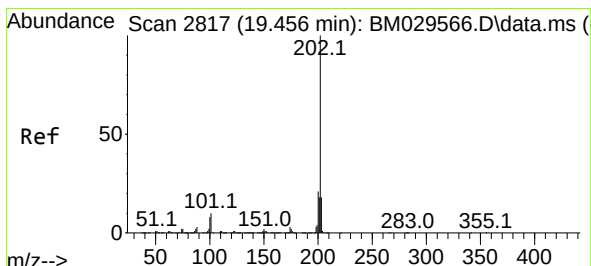
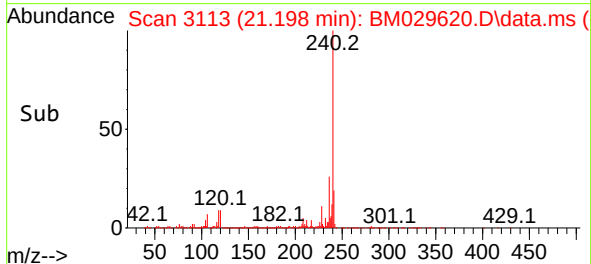
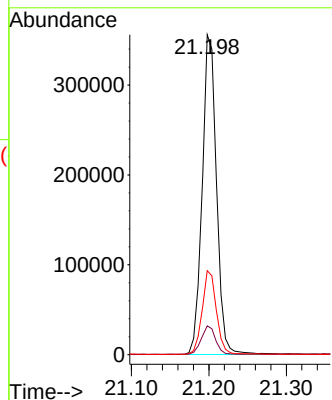
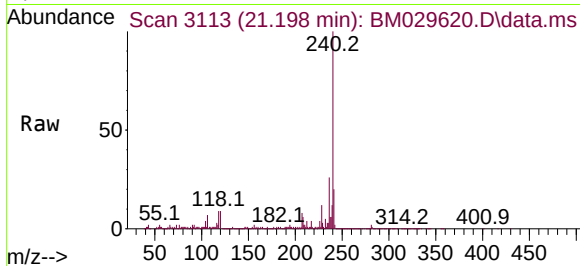




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.198 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

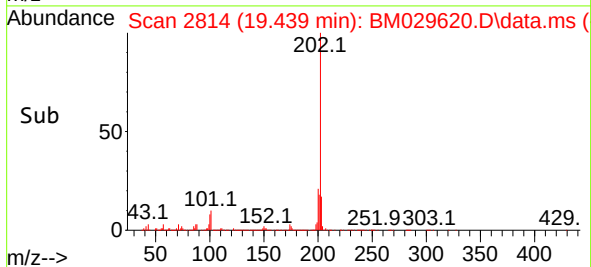
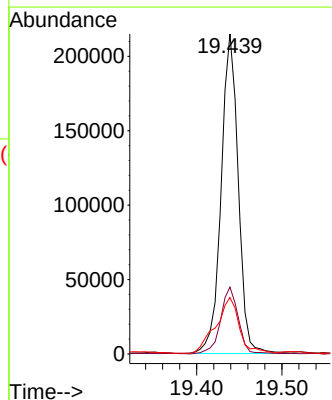
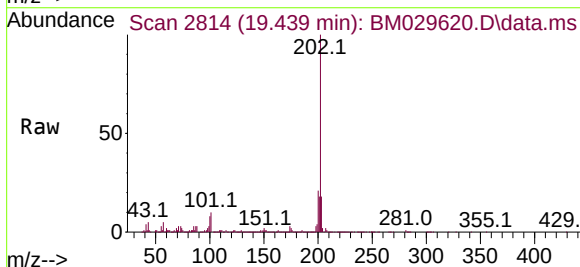
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-072-A

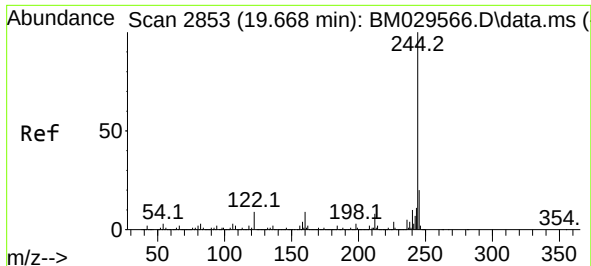
Tgt Ion:240 Resp: 457139
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.3 21.0 31.4



#78
Pyrene
Concen: 10.20 ng
RT: 19.439 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:202 Resp: 299875
Ion Ratio Lower Upper
202 100
200 20.9 17.3 25.9
203 17.6 13.9 20.9

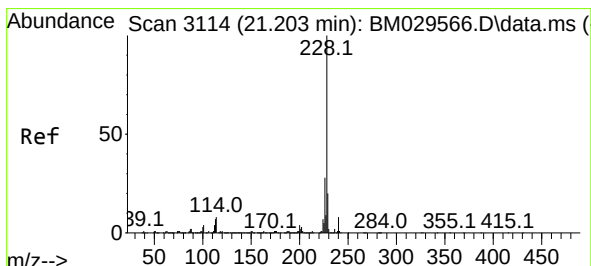
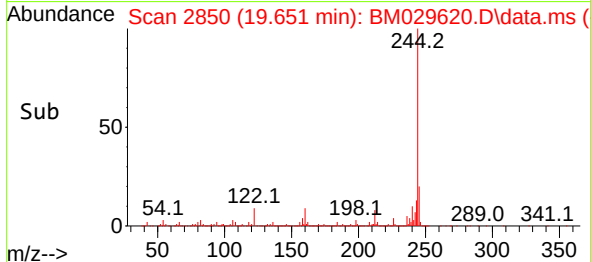
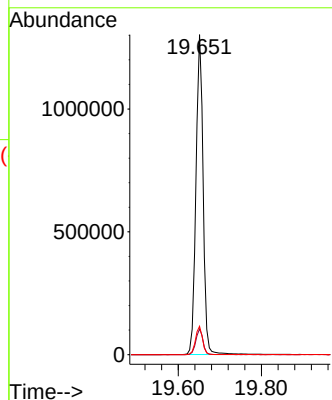
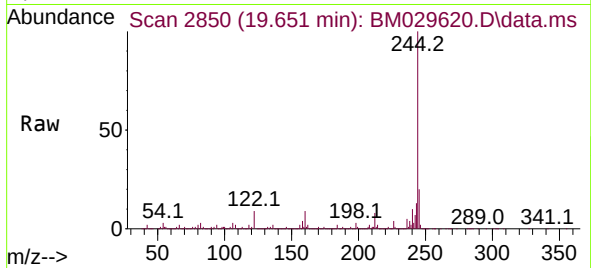




#79
 Terphenyl-d14
 Concen: 64.66 ng
 RT: 19.651 min Scan# 2850
 Delta R.T. -0.006 min
 Lab File: BM029620.D
 Acq: 23 Apr 2021 19:31

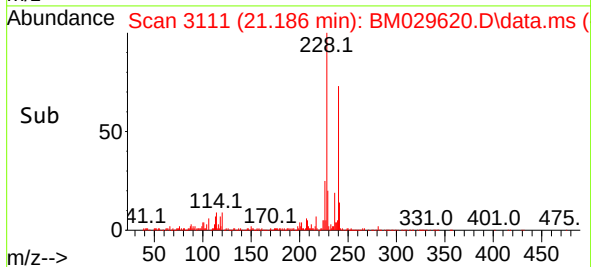
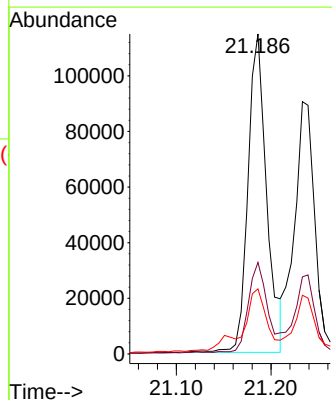
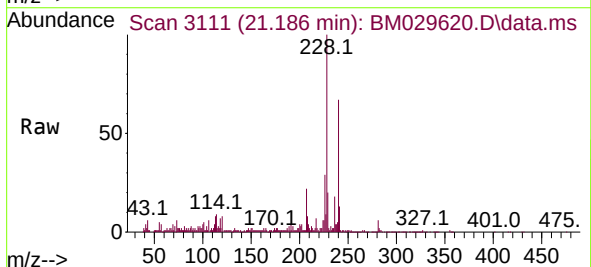
Instrument :
 BNA_M
 ClientSampleId :
 FK-GF-02-072-A

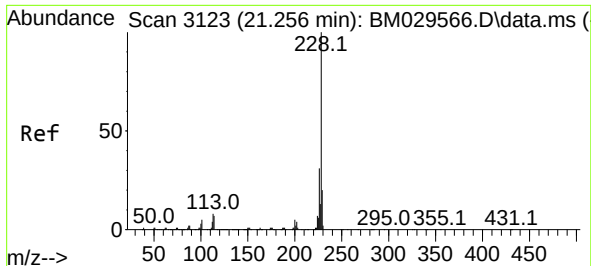
Tgt Ion:244 Resp: 1559077
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 8.9 6.9 10.3



#81
 Benzo(a)anthracene
 Concen: 5.20 ng
 RT: 21.186 min Scan# 3111
 Delta R.T. -0.006 min
 Lab File: BM029620.D
 Acq: 23 Apr 2021 19:31

Tgt Ion:228 Resp: 157320
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.3 33.5
 229 20.3 15.7 23.5

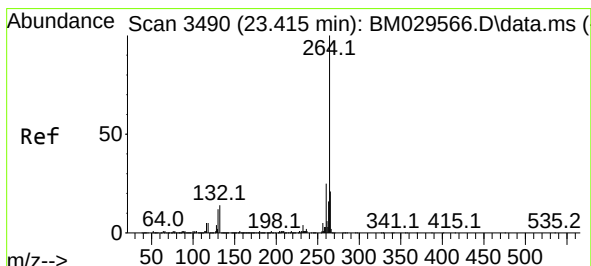
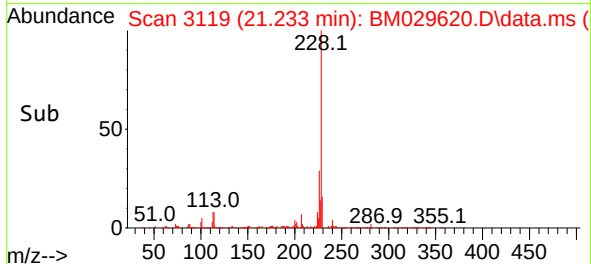
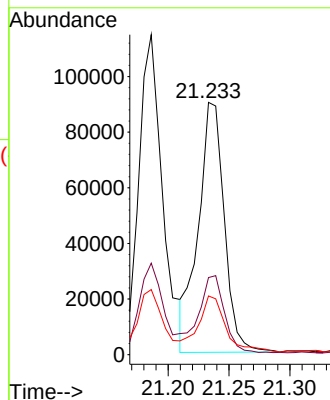
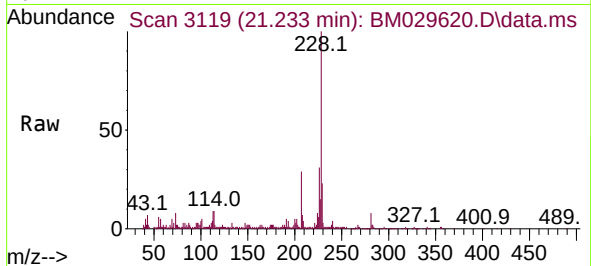




#83
Chrysene
Concen: 4.50 ng
RT: 21.233 min Scan# 3119
Delta R.T. -0.012 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

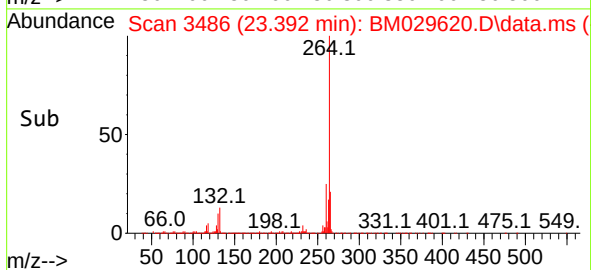
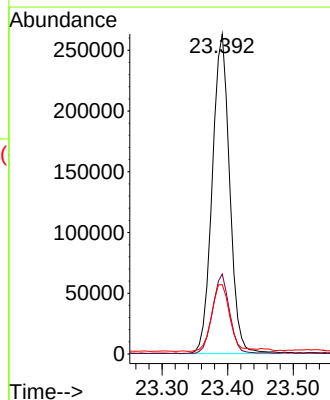
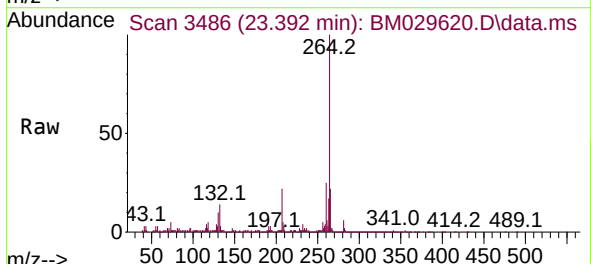
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-072-A

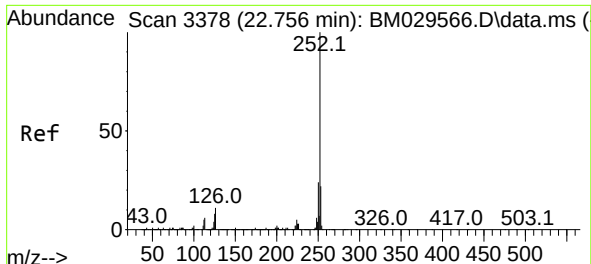
Tgt Ion:	228	Resp:	133770
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.6	36.8
229	23.3	15.5	23.3



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.392 min Scan# 3486
Delta R.T. 0.000 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:	264	Resp:	485075
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.8	29.8
265	21.7	17.7	26.5

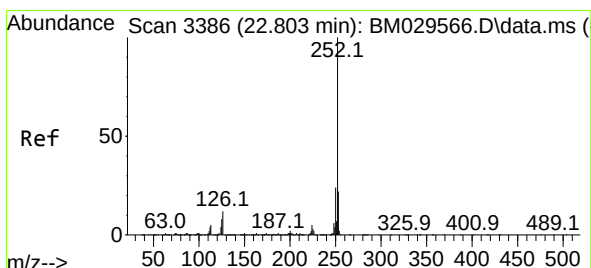
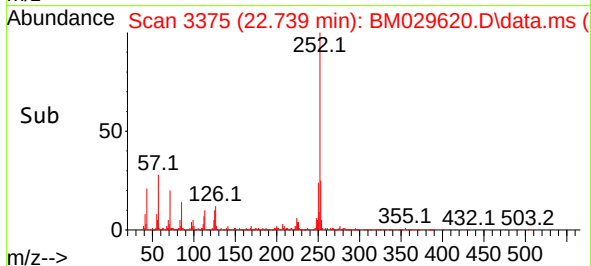
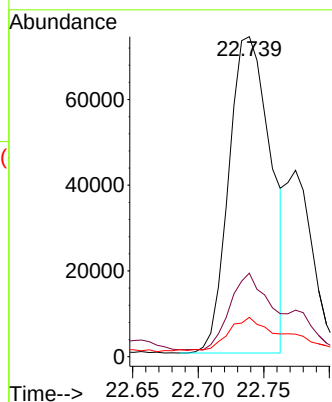
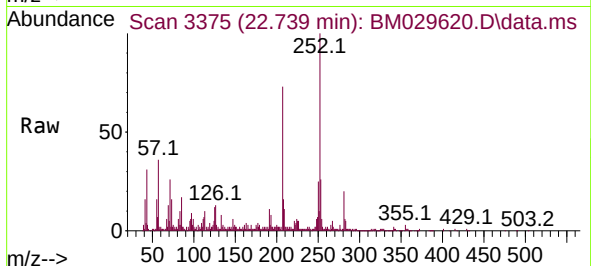




#88
Benzo(b)fluoranthene
Concen: 5.19 ng
RT: 22.739 min Scan# 3375
Delta R.T. 0.000 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

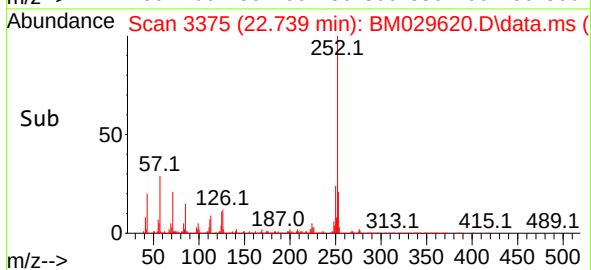
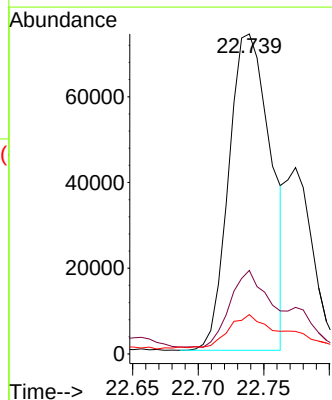
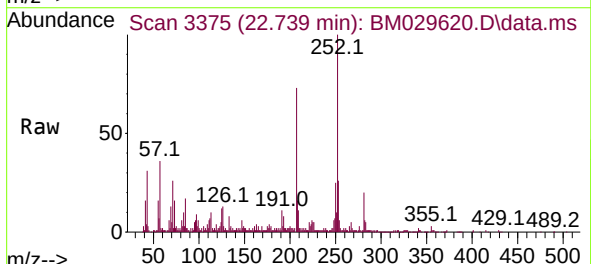
Instrument :
BNA_M
ClientSampleId :
FK-GF-02-072-A

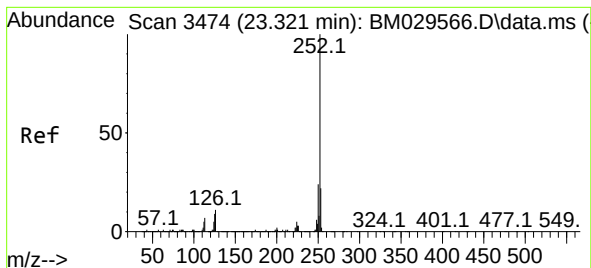
Tgt Ion:252 Resp: 164129
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.0#
125 12.3 6.8 10.2#



#89
Benzo(k)fluoranthene
Concen: 5.18 ng
RT: 22.739 min Scan# 3375
Delta R.T. -0.047 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:252 Resp: 164129
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.2
125 12.3 6.2 9.2#

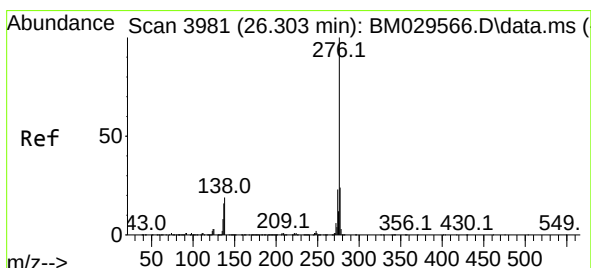
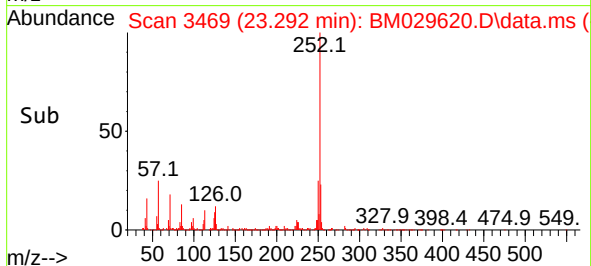
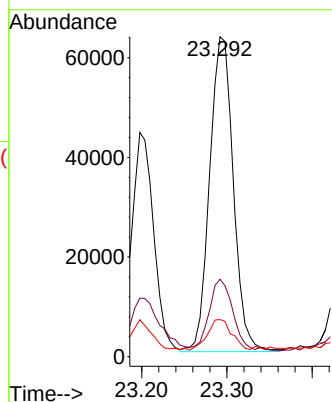
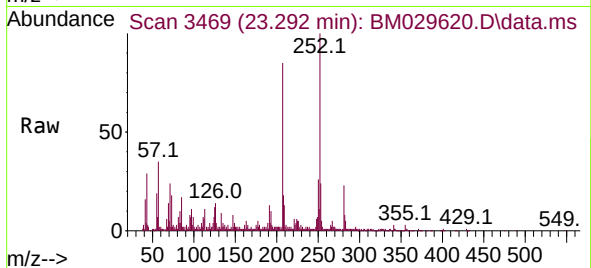




#90
Benzo(a)pyrene
Concen: 4.12 ng
RT: 23.292 min Scan# 3469
Delta R.T. -0.006 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Instrument :
BNA_M
ClientSampleId :
FK-GF-02-072-A

Tgt Ion:252 Resp: 122313
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 11.6 7.3 10.9#



#92
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 26.245 min Scan# 3971
Delta R.T. -0.023 min
Lab File: BM029620.D
Acq: 23 Apr 2021 19:31

Tgt Ion:276 Resp: 78821
Ion Ratio Lower Upper
276 100
277 24.1 19.4 29.2
138 19.8 14.4 21.6

