

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012821\
 Data File : BM028600.D
 Acq On : 28 Jan 2021 22:47
 Operator : CG/JU
 Sample : M1235-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FK-SF-SAMPLE-2

Quant Time: Jan 28 23:38:22 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM012021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 13:20:04 2021
 Response via : Initial Calibration

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

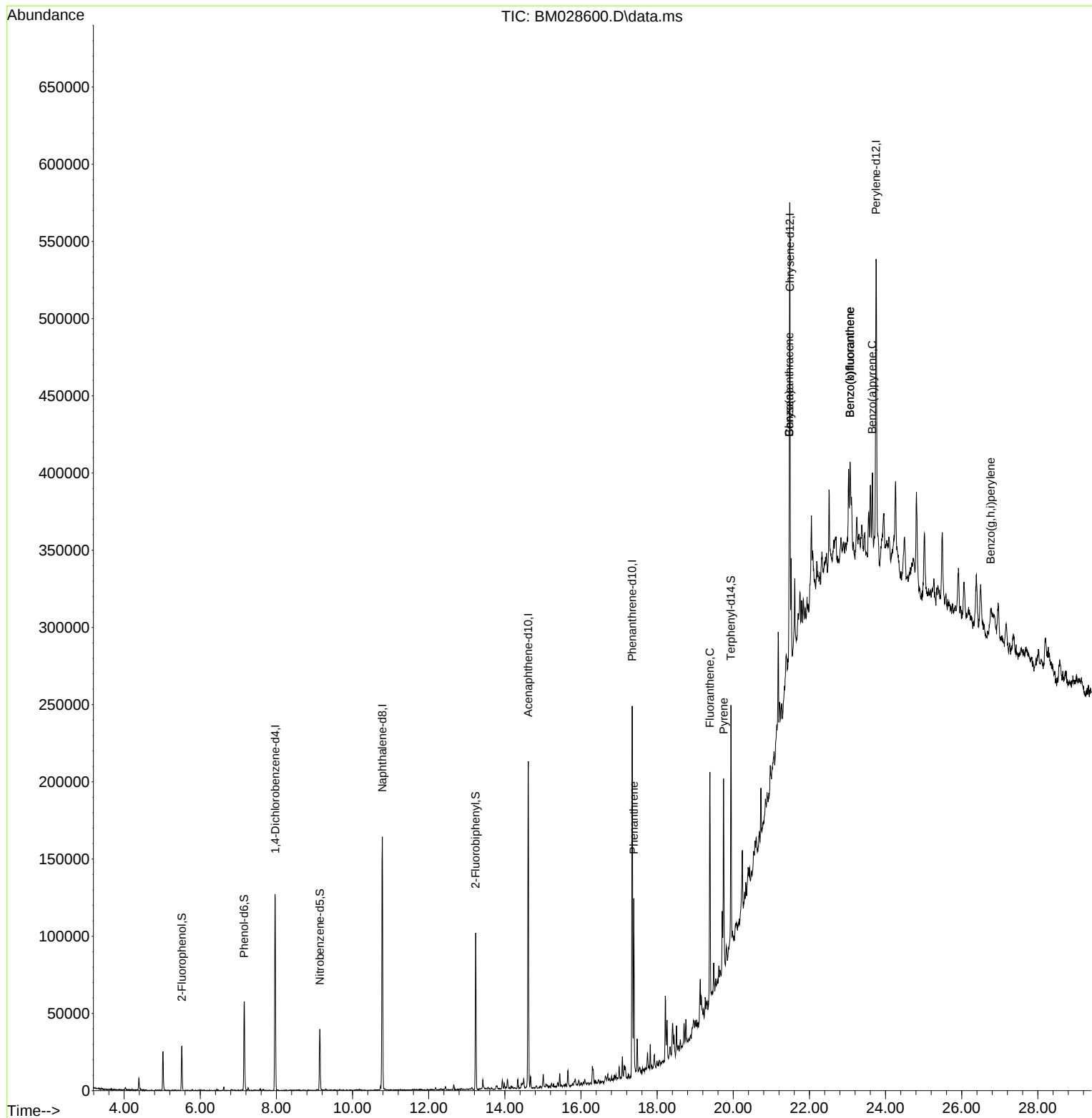
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.969	152	35186	20.00	ng	0.00
21) Naphthalene-d8	10.781	136	130769	20.00	ng	# 0.00
39) Acenaphthene-d10	14.616	164	70295	20.00	ng	0.00
64) Phenanthrene-d10	17.345	188	133792	20.00	ng	0.00
76) Chrysene-d12	21.486	240	128590	20.00	ng	# 0.00
86) Perylene-d12	23.750	264	133562	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	12671	5.69	ng	-0.02
7) Phenol-d6	7.151	99	32833	10.83	ng	-0.04
23) Nitrobenzene-d5	9.139	82	21480	7.79	ng	-0.01
42) 2,4,6-Tribromophenol	16.098	330	279	0.30	ng	-0.01
45) 2-Fluorobiphenyl	13.233	172	50671	9.04	ng	0.00
79) Terphenyl-d14	19.939	244	60244	8.46	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.386	178	63496	7.72	ng	98
75) Fluoranthene	19.386	202	78121	8.45	ng	97
78) Pyrene	19.745	202	68367	7.41	ng	98
81) Benzo(a)anthracene	21.468	228	33577	3.78	ng	95
83) Chrysene	21.468	228	33577	3.92	ng	96
88) Benzo(b)fluoranthene	23.068	252	50082	5.52	ng	# 78
89) Benzo(k)fluoranthene	23.068	252	50082	5.66	ng	# 78
90) Benzo(a)pyrene	23.650	252	26806	3.19	ng	# 78
92) Benzo(g,h,i)perylene	26.762	276	18200	2.25	ng	# 80

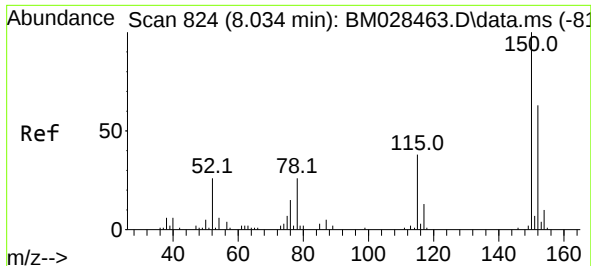
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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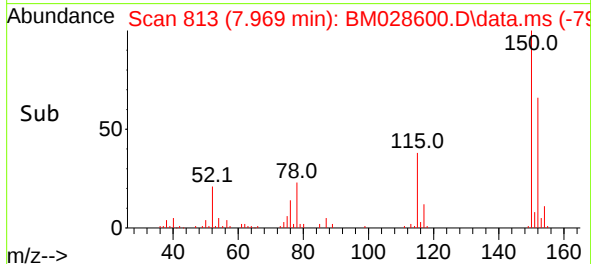
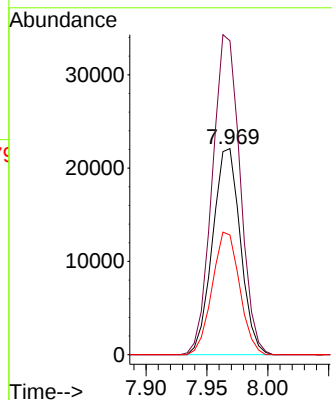
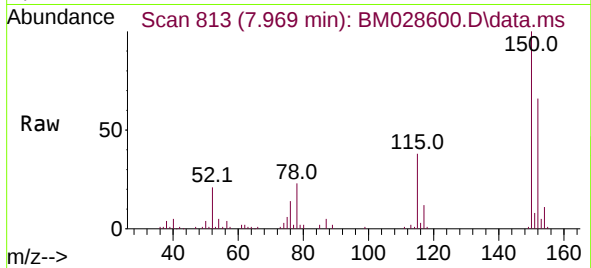




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.969 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

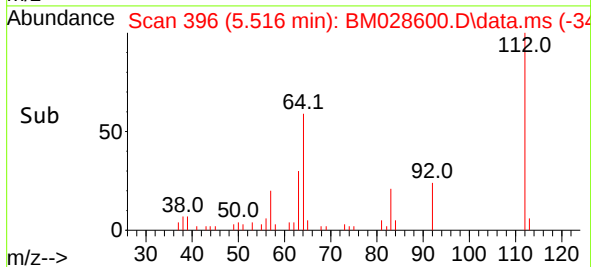
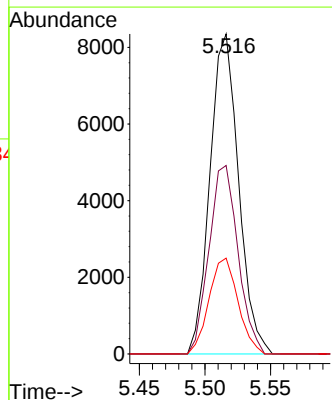
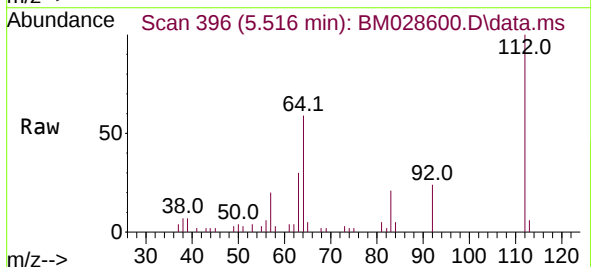
Instrument :
BNA_M
ClientSampleId :
FK-SF-SAMPLE-2

Tgt Ion:152 Resp: 35186
Ion Ratio Lower Upper
152 100
150 152.3 120.6 181.0
115 58.1 47.2 70.8



#5
2-Fluorophenol
Concen: 5.69 ng
RT: 5.516 min Scan# 396
Delta R.T. -0.018 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:112 Resp: 12671
Ion Ratio Lower Upper
112 100
64 58.9 50.6 76.0
63 29.9 31.0 46.6#

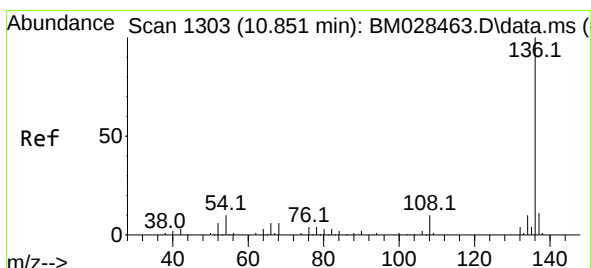
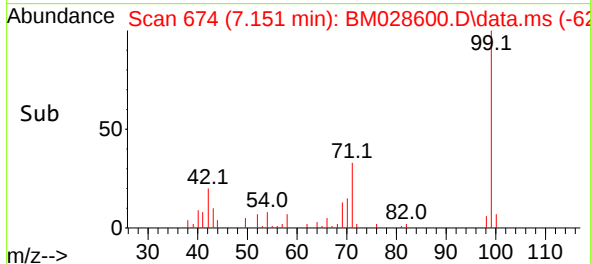
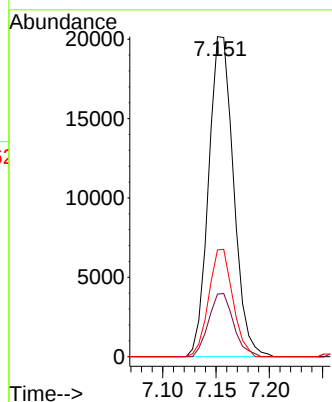
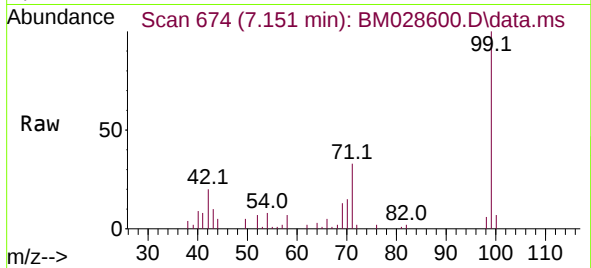




#7
Phenol-d6
Concen: 10.83 ng
RT: 7.151 min Scan# 674
Delta R.T. -0.035 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

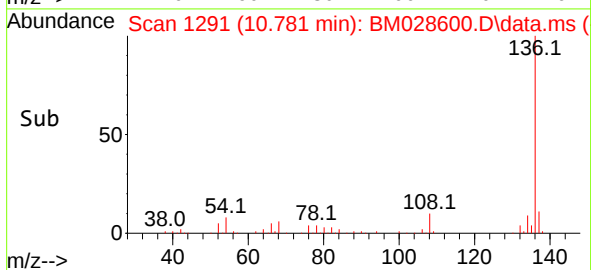
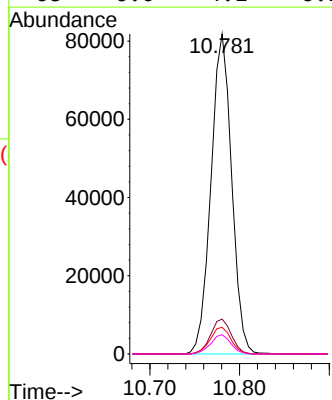
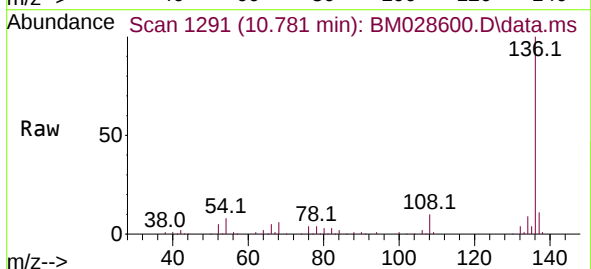
Instrument :
BNA_M
ClientSampleId :
FK-SF-SAMPLE-2

Tgt Ion:	99	Resp:	32833
Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.5	20.3
71	33.4	39.4	59.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.781 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:	136	Resp:	130769
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.3	4.6	7.0#
68	6.0	4.1	6.1

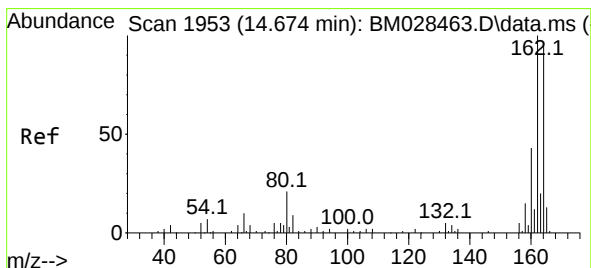
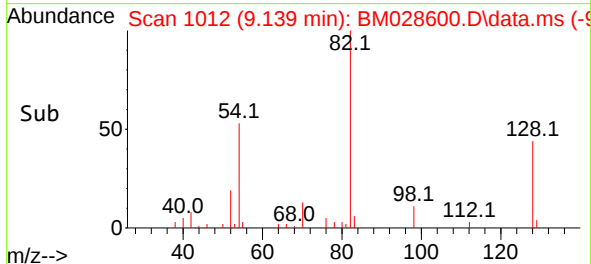
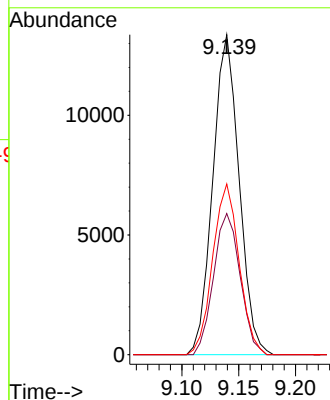
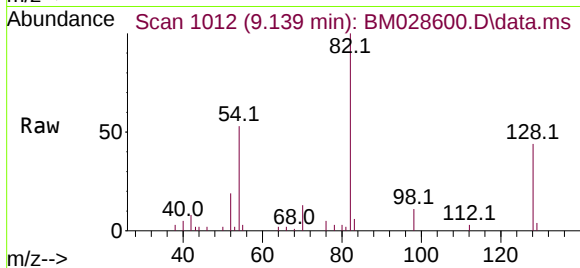




#23
Nitrobenzene-d5
Concen: 7.79 ng
RT: 9.139 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

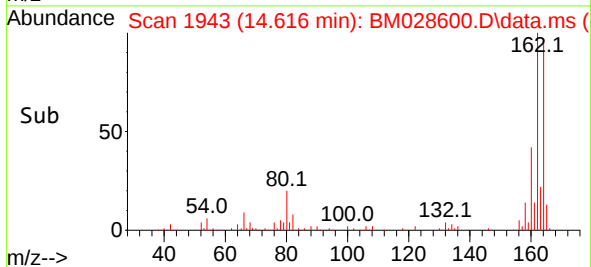
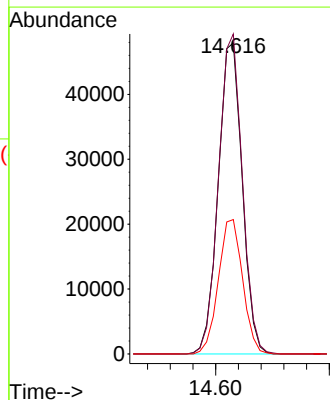
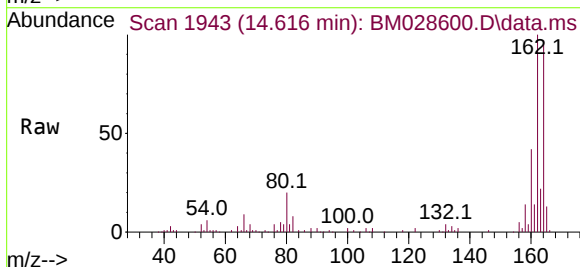
Instrument :
BNA_M
ClientSampleId :
FK-SF-SAMPLE-2

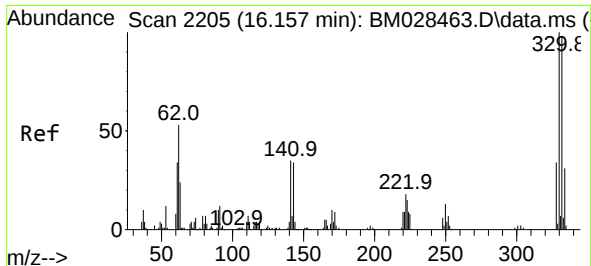
Tgt Ion: 82 Resp: 21480
Ion Ratio Lower Upper
82 100
128 44.1 27.4 41.0#
54 53.3 31.4 47.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.616 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion: 164 Resp: 70295
Ion Ratio Lower Upper
164 100
162 102.9 80.4 120.6
160 43.2 35.9 53.9

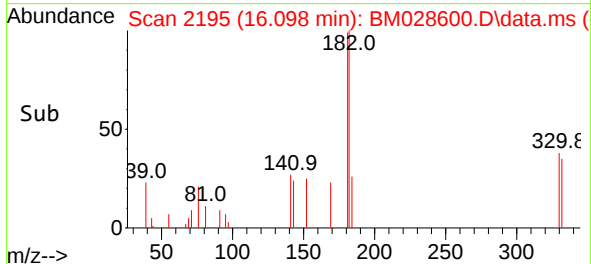
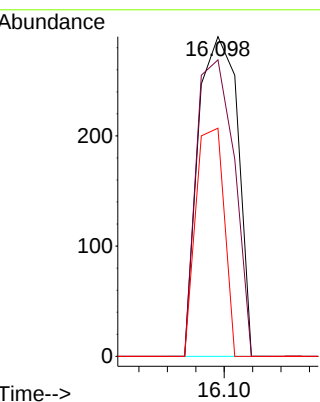
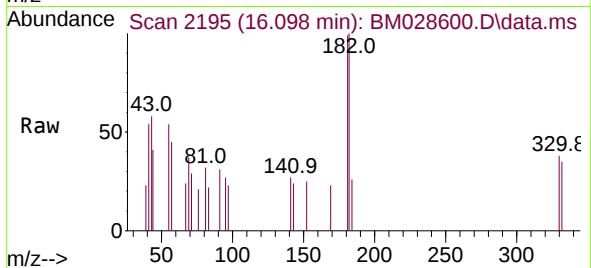




#42
2,4,6-Tribromophenol
Concen: 0.30 ng
RT: 16.098 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

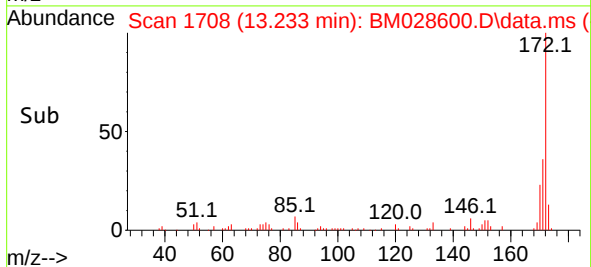
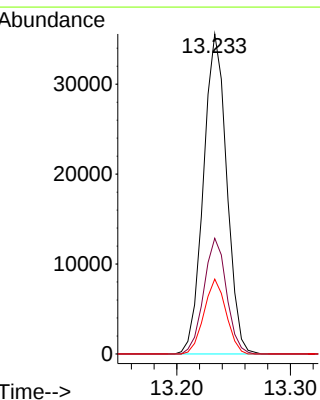
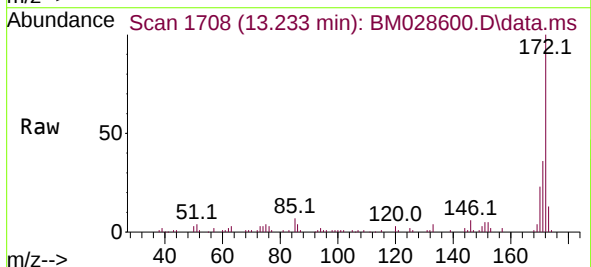
Instrument :
BNA_M
ClientSampleId :
FK-SF-SAMPLE-2

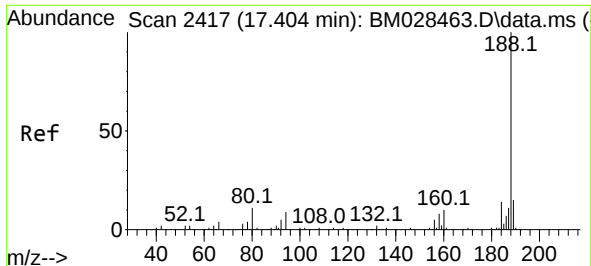
Tgt Ion:330 Resp: 279
Ion Ratio Lower Upper
330 100
332 88.9 77.8 116.8
141 51.6 28.4 42.6#



#45
2-Fluorobiphenyl
Concen: 9.04 ng
RT: 13.233 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:172 Resp: 50671
Ion Ratio Lower Upper
172 100
171 36.2 27.8 41.8
170 23.4 18.6 27.8

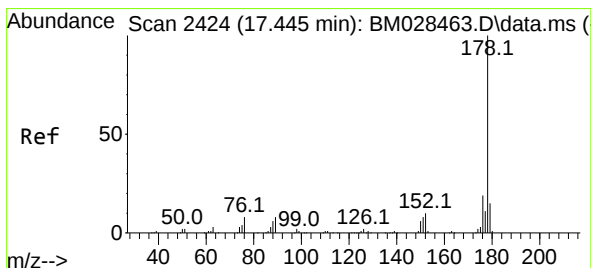
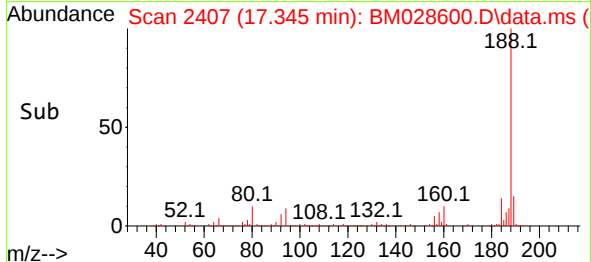
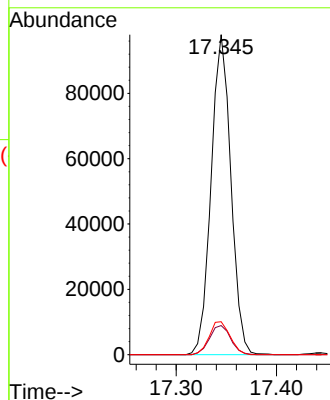
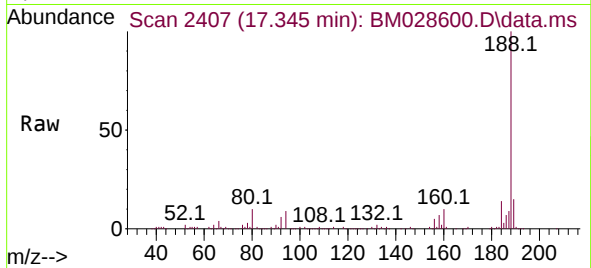




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.345 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

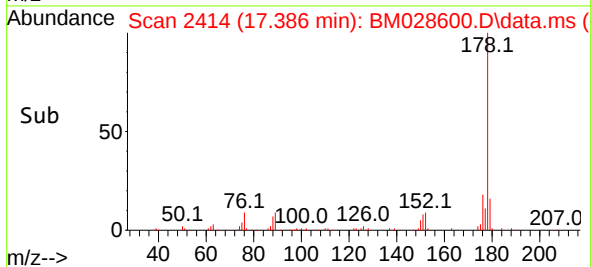
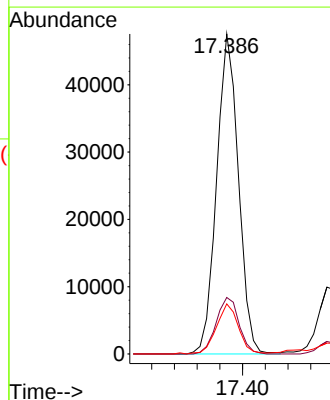
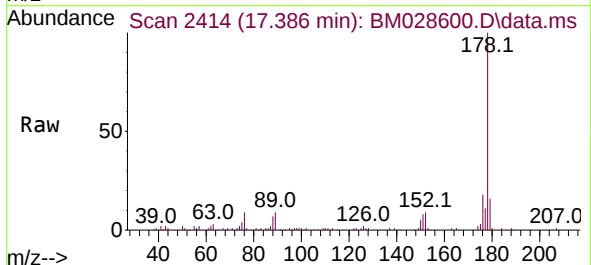
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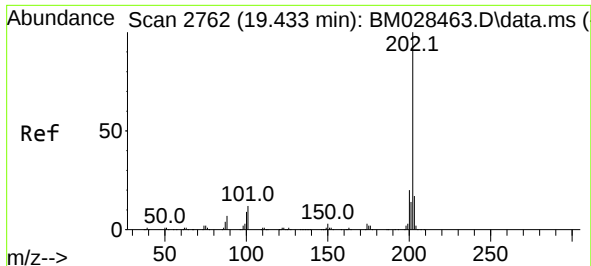
Tgt Ion:188 Resp: 133792
Ion Ratio Lower Upper
188 100
94 9.1 6.2 9.4
80 10.3 7.5 11.3



#71
Phenanthrene
Concen: 7.72 ng
RT: 17.386 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:178 Resp: 63496
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.6
179 15.6 12.2 18.4

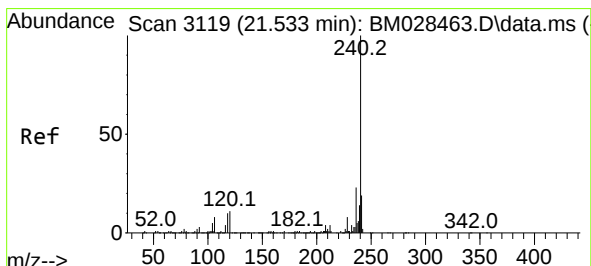
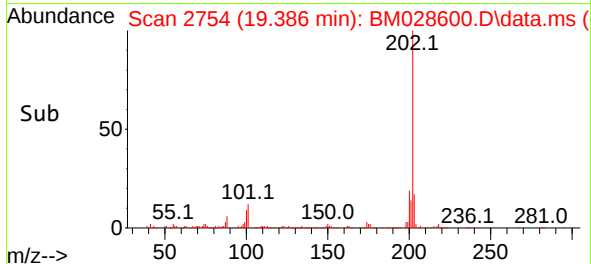
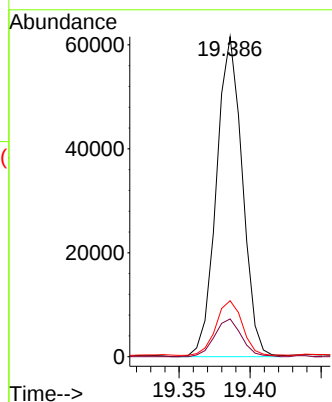
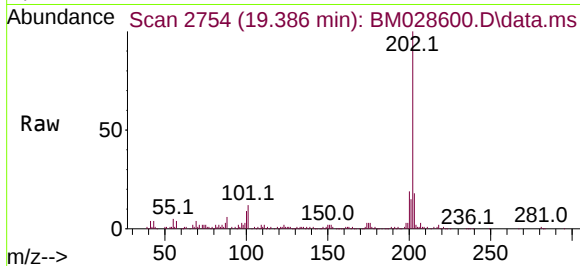




#75
Fluoranthene
Concen: 8.45 ng
RT: 19.386 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

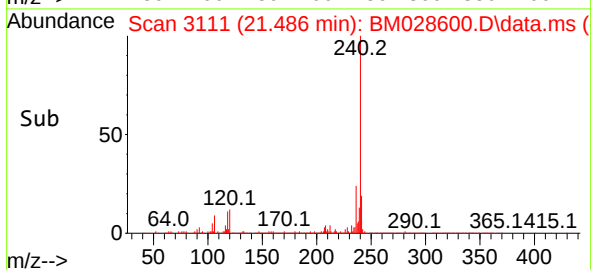
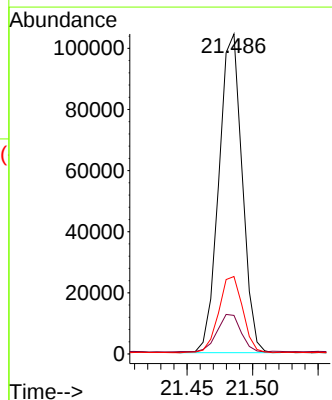
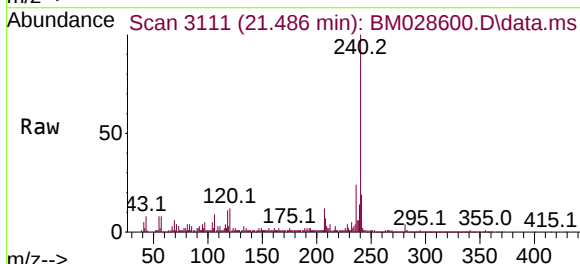
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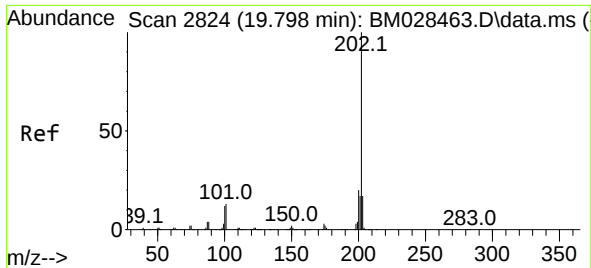
Tgt Ion:	202	Resp:	78121
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	28.5
203	17.5	0.0	37.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.486 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:	240	Resp:	128590
Ion Ratio	Lower	Upper	
240	100		
120	12.1	6.4	9.6#
236	24.2	20.1	30.1

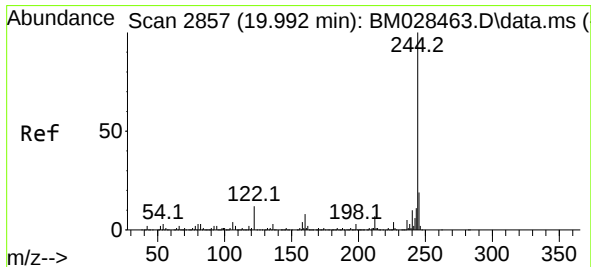
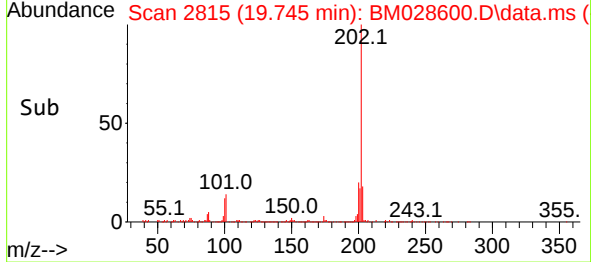
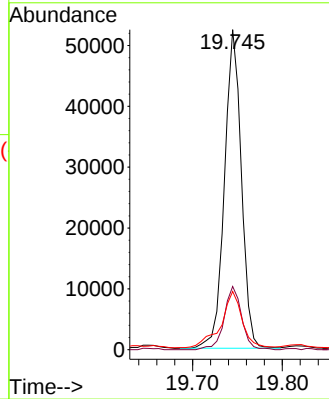
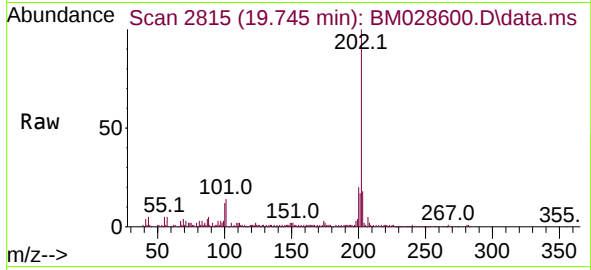




#78
Pyrene
Concen: 7.41 ng
RT: 19.745 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

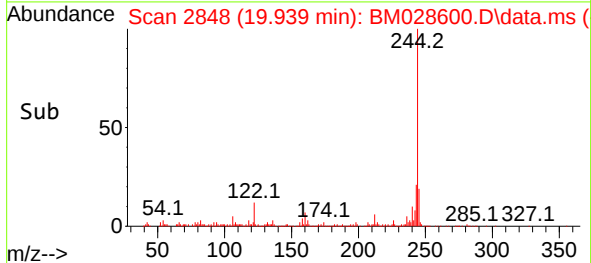
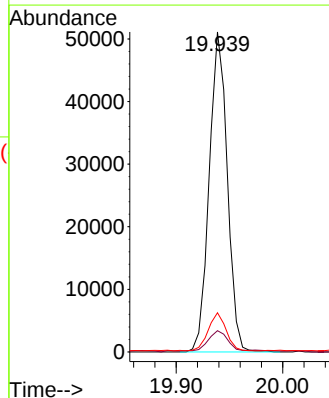
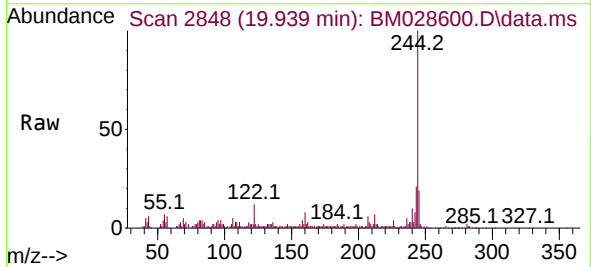
Instrument :
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ClientSampleId :
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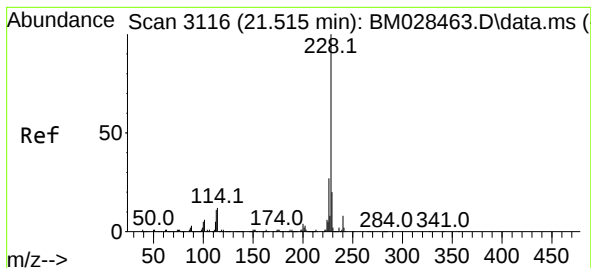
Tgt Ion:	202	Resp:	68367
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.6	24.8
203	18.2	13.8	20.6



#79
Terphenyl-d14
Concen: 8.46 ng
RT: 19.939 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:	244	Resp:	60244
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.8
122	12.3	6.5	9.7#





#81

Benzo(a)anthracene

Concen: 3.78 ng

RT: 21.468 min Scan# 3108

Delta R.T. -0.006 min

Lab File: BM028600.D

Acq: 28 Jan 2021 22:47

Tgt Ion:228 Resp: 33577

Ion Ratio Lower Upper

228 100

226 28.0 21.1 31.7

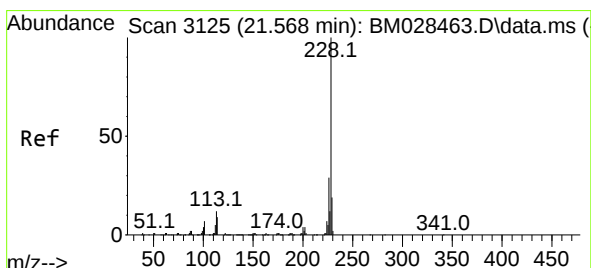
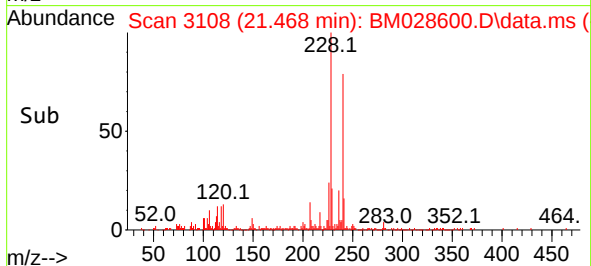
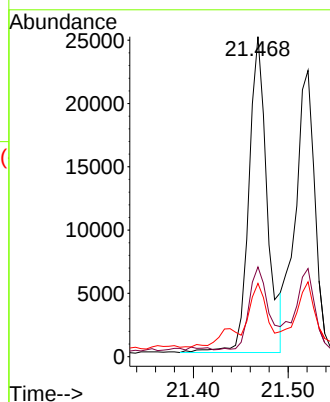
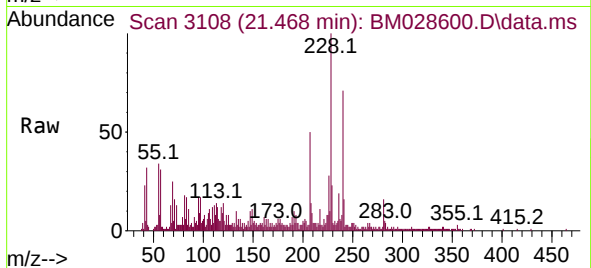
229 22.9 15.7 23.5

Instrument :

BNA_M

ClientSampleId :

FK-SF-SAMPLE-2



#83

Chrysene

Concen: 3.92 ng

RT: 21.468 min Scan# 3108

Delta R.T. -0.059 min

Lab File: BM028600.D

Acq: 28 Jan 2021 22:47

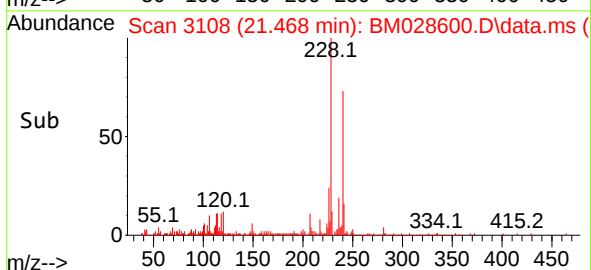
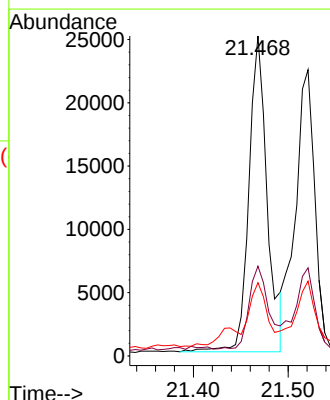
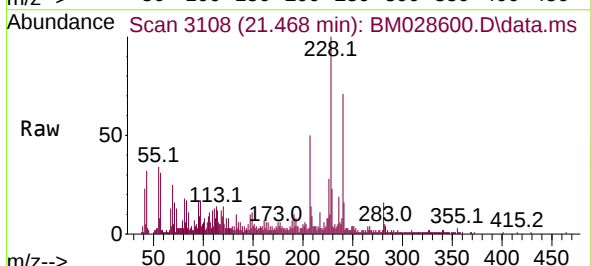
Tgt Ion:228 Resp: 33577

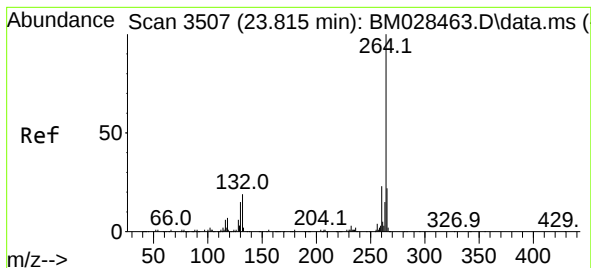
Ion Ratio Lower Upper

228 100

226 28.0 23.4 35.0

229 22.9 15.7 23.5





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.750 min Scan# 3496

Delta R.T. -0.000 min

Lab File: BM028600.D

Acq: 28 Jan 2021 22:47

Tgt Ion:264 Resp: 133562

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.4

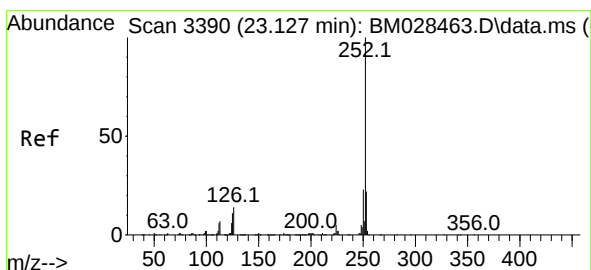
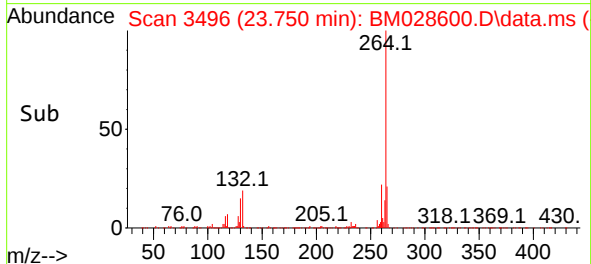
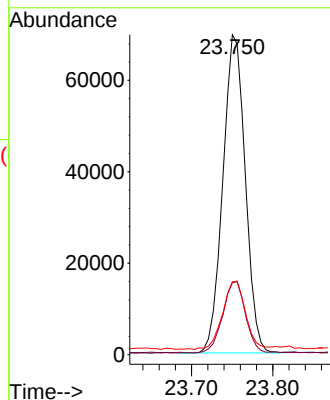
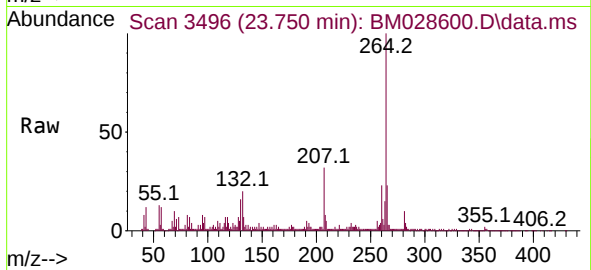
265 22.8 17.7 26.5

Instrument :

BNA_M

ClientSampleId :

FK-SF-SAMPLE-2



#88

Benzo(b)fluoranthene

Concen: 5.52 ng

RT: 23.068 min Scan# 3380

Delta R.T. -0.006 min

Lab File: BM028600.D

Acq: 28 Jan 2021 22:47

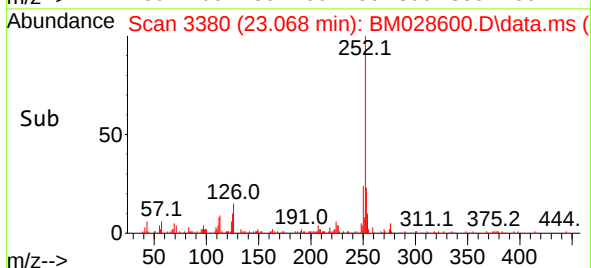
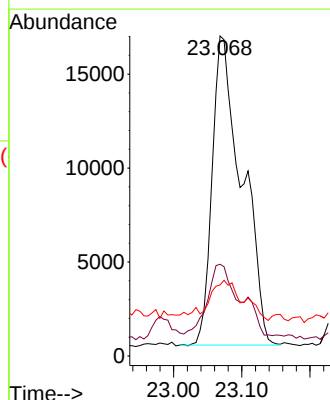
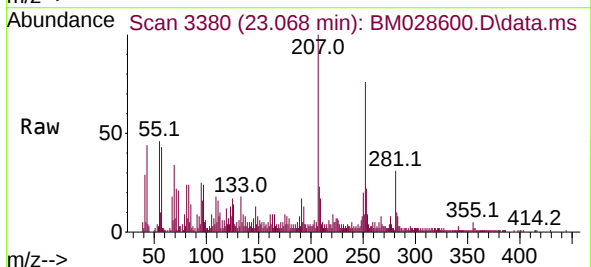
Tgt Ion:252 Resp: 50082

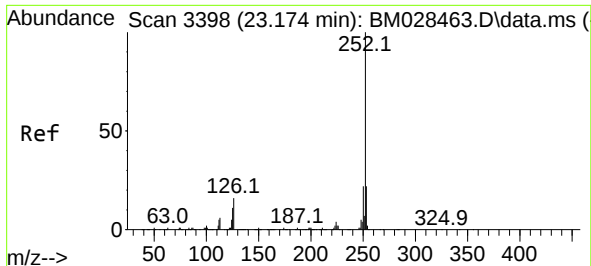
Ion Ratio Lower Upper

252 100

253 28.7 17.4 26.0#

125 22.2 5.7 8.5#

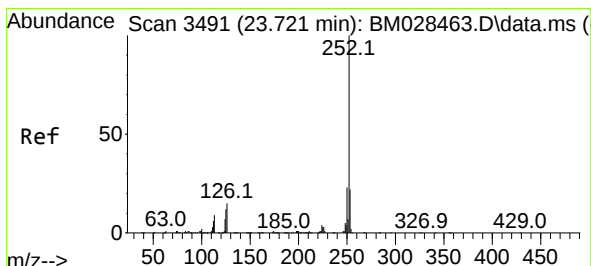
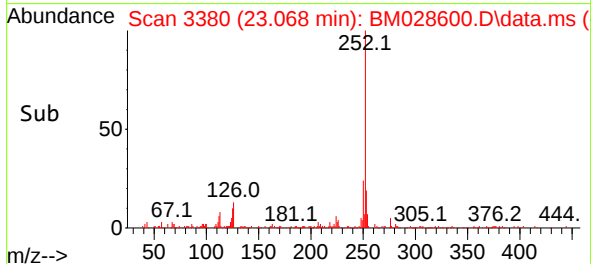
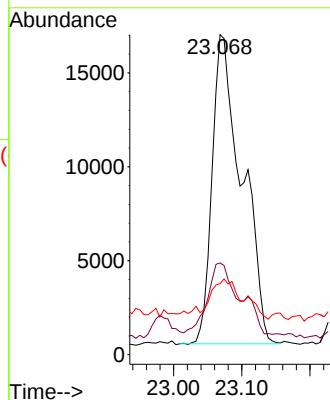
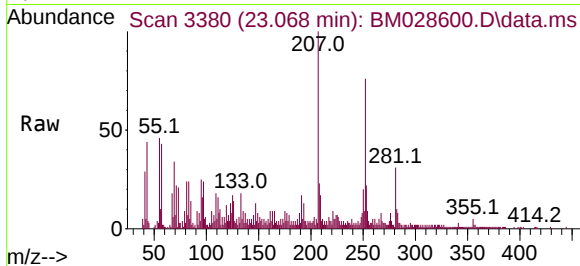




#89
Benzo(k)fluoranthene
Concen: 5.66 ng
RT: 23.068 min Scan# 3380
Delta R.T. -0.047 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

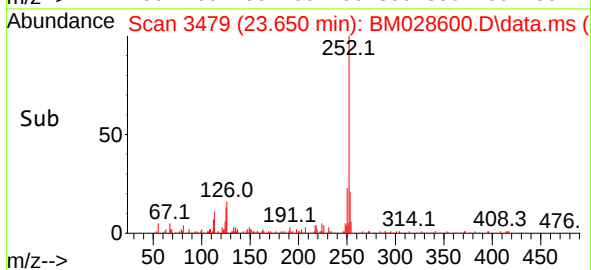
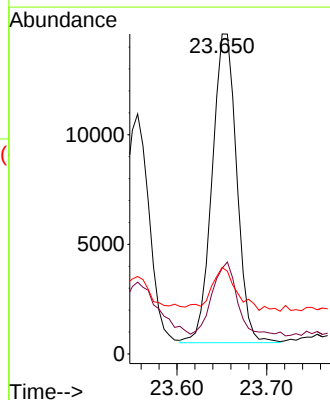
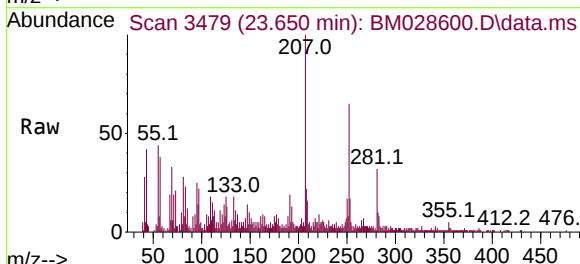
Instrument :
BNA_M
ClientSampleId :
FK-SF-SAMPLE-2

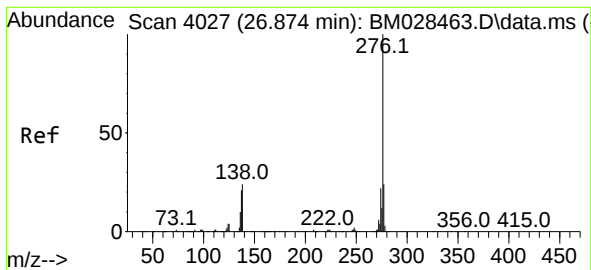
Tgt Ion:252 Resp: 50082
Ion Ratio Lower Upper
252 100
253 28.7 17.4 26.0#
125 22.2 5.6 8.4#



#90
Benzo(a)pyrene
Concen: 3.19 ng
RT: 23.650 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM028600.D
Acq: 28 Jan 2021 22:47

Tgt Ion:252 Resp: 26806
Ion Ratio Lower Upper
252 100
253 26.8 17.4 26.2#
125 27.1 6.6 9.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.25 ng
 RT: 26.762 min Scan# 4008
 Delta R.T. -0.012 min
 Lab File: BM028600.D
 Acq: 28 Jan 2021 22:47

Instrument :
 BNA_M
 ClientSampleId :
 FK-SF-SAMPLE-2

Tgt Ion:	276	Resp:	18200
Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.6	28.0#
138	29.4	12.2	18.2#

