

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061116\
 Data File : BM005729.D
 Acq On : 11 Jun 2016 16:31
 Operator : UM/SJ
 Sample : H3411-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XQ8

Manual Integrations
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Quant Time: Jun 11 23:44:17 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 11 23:08:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	87750	20.00	ng/ul	0.00
7) Naphthalene-d8	10.53	136	494880	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	318177	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.13	188	717129	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	659798	20.00	ng/ul	0.00
34) Perylene-d12	23.57	264	546085	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	2445	1.21	ng/uL	0.00
3) Phenol-d5	6.93	99	100979	13.33	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	71503	15.72	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	92013	15.03	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	68360	10.69	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	47298	13.26	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	52919	13.12	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	97563	13.34	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	71783	8.13	ng/ul	0.00
16) Dimethylphthalate-d6	13.79	166	376170	14.33	ng/ul	0.00
17) Acenaphthylene-d8	14.08	160	488001	15.20	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	30730	8.00	ng/ul	0.01
21) Fluorene-d10	15.38	176	336509	15.14	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.52	200	36489	9.84	ng/ul	0.00
26) Anthracene-d10	17.23	188	496871	14.71	ng/ul	0.00
30) Pyrene-d10	19.53	212	551316	17.39	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.43	264	381643	15.32	ng/ul	0.00

Target Compounds

						Qvalue
25) Phenanthrene	17.17	178	268700	6.85	ng/ul	99
27) Anthracene	17.26	178	51246	1.29	ng/ul	98
28) Fluoranthene	19.19	202	490816	10.65	ng/ul	99
31) Pyrene	19.56	202	440307	10.97	ng/ul	99
32) Benzo(a)anthracene	21.30	228	223264	5.86	ng/ul	99
33) Chrysene	21.35	228	256013	6.81	ng/ul	97
35) Benzo(b)fluoranthene	22.89	252	269082	8.29	ng/ul	97
36) Benzo(k)fluoranthene	22.93	252	86612m	2.64	ng/ul	
38) Benzo(a)pyrene	23.47	252	168628	5.47	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.85	276	110454	3.67	ng/ul	93
40) Dibenzo(a,h)anthracene	25.85	278	29599	1.18	ng/ul#	87
41) Benzo(g,h,i)perylene	26.55	276	100756	4.01	ng/ul	97

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

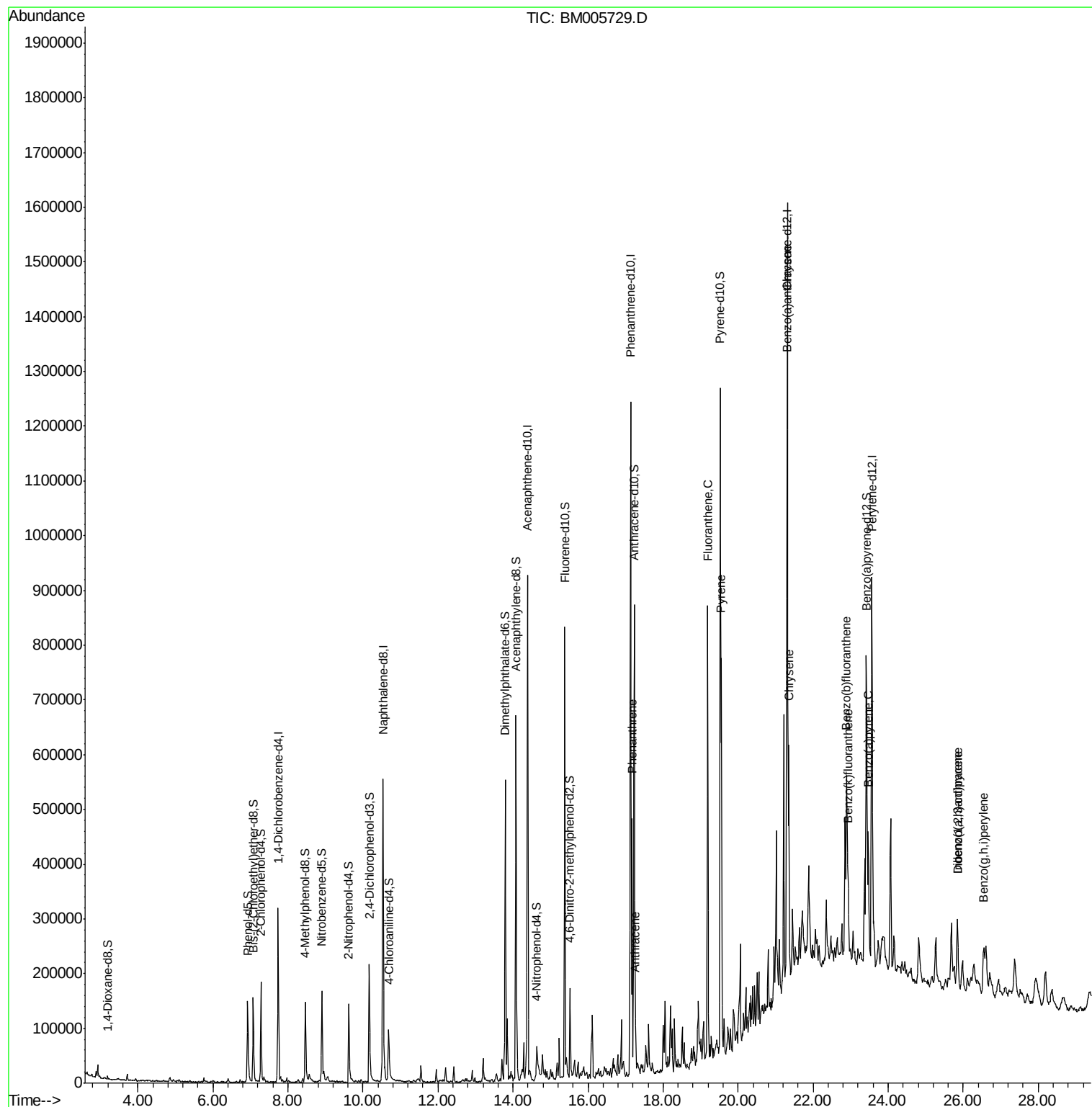
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061116\
Data File : BM005729.D
Acq On : 11 Jun 2016 16:31
Operator : UM/SJ
Sample : H3411-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

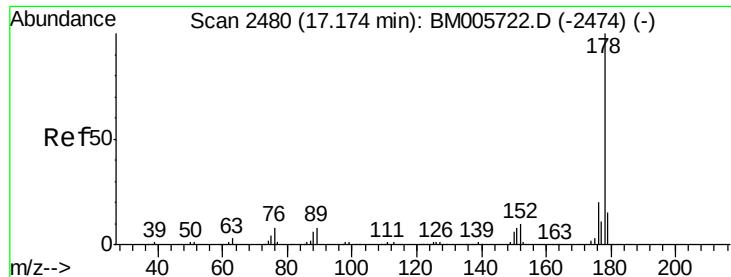
Instrument :
BNA_M
ClientSampleId :
D9XQ8

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Quant Time: Jun 11 23:44:17 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 11 23:08:56 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 6.85 ng/ul

RT: 17.17 min Scan# 2480

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

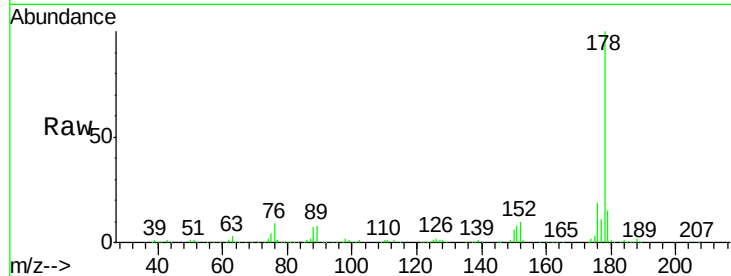
ClientSampled :

D9XQ8

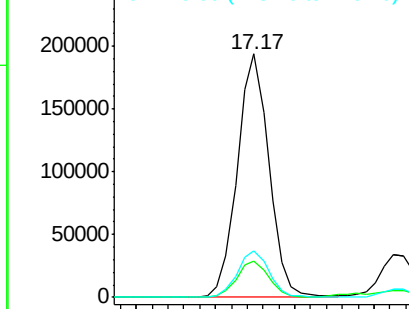
Tgt Ion:	178	Resp:	268700
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.4	18.6
176	19.0	15.8	23.6

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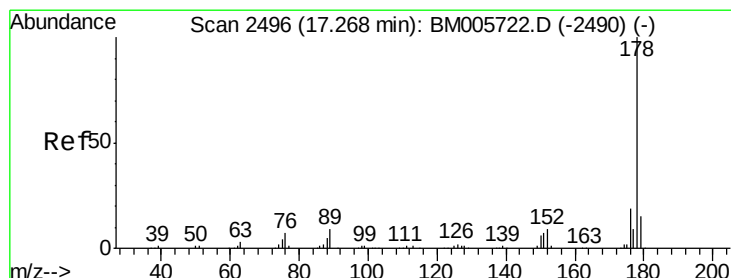
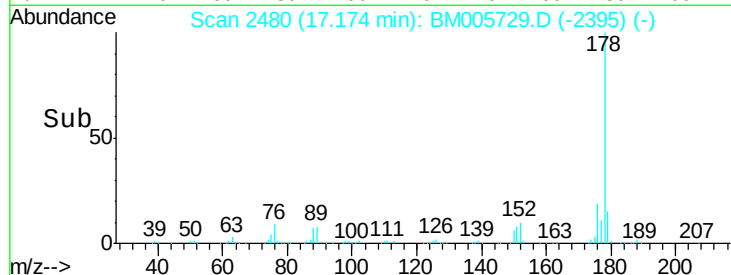
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 17.10 17.15 17.20 17.25



#27

Anthracene

Concen: 1.29 ng/ul

RT: 17.26 min Scan# 2495

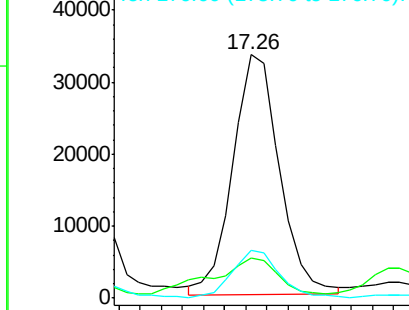
Delta R.T. -0.01 min

Lab File: BM005729.D

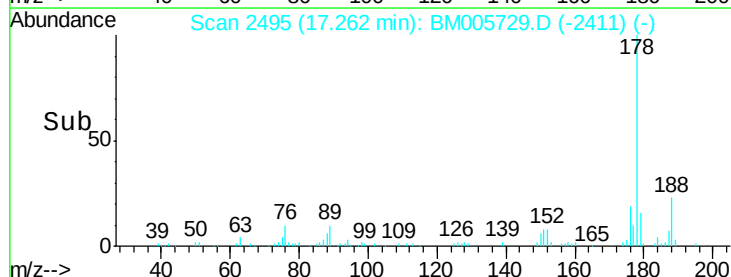
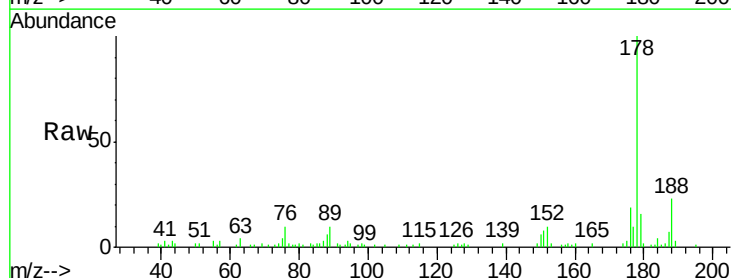
Acq: 11 Jun 2016 16:31

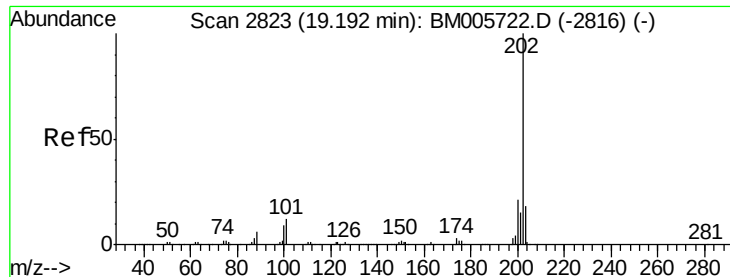
Tgt Ion:	178	Resp:	51246
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.1	18.1
176	19.4	15.0	22.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 17.20 17.25 17.30





#28

Fluoranthene

Concen: 10.65 ng/ul

RT: 19.19 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

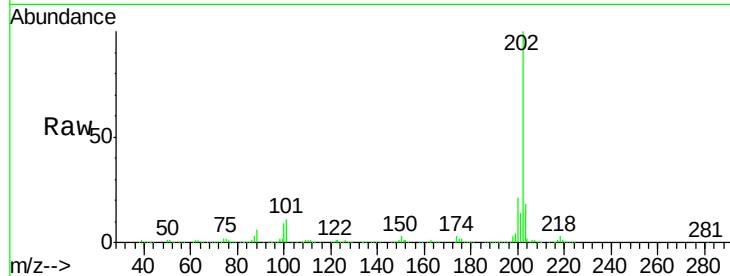
ClientSampleId :

D9XQ8

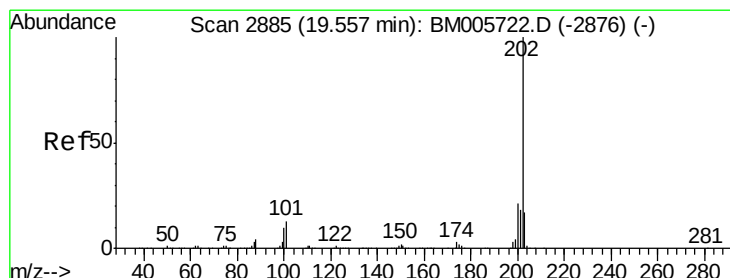
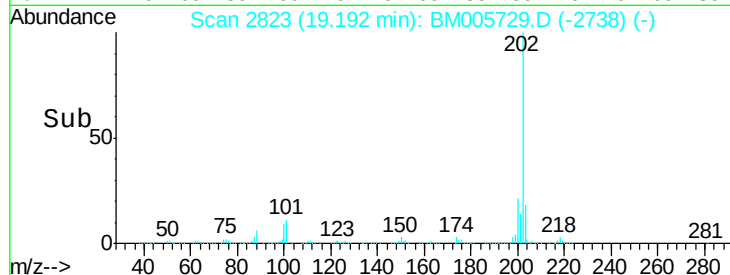
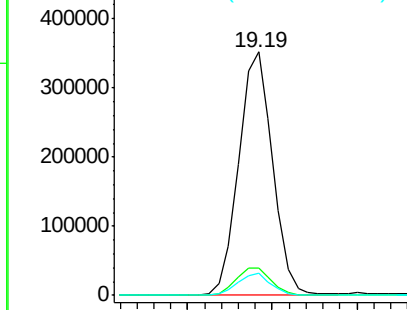
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		490816		
101	11.5	9.4	14.2		
100	8.9	6.9	10.3		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#31

Pyrene

Concen: 10.97 ng/ul

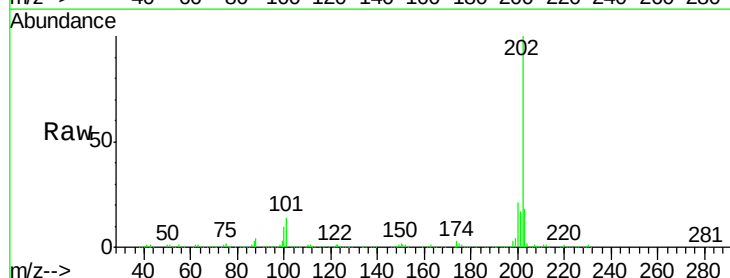
RT: 19.56 min Scan# 2885

Delta R.T. -0.00 min

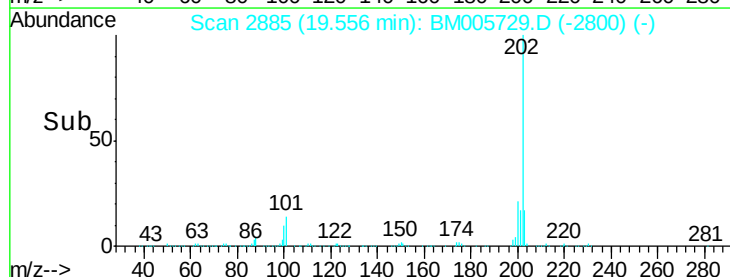
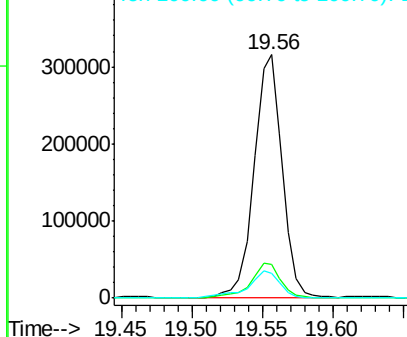
Lab File: BM005729.D

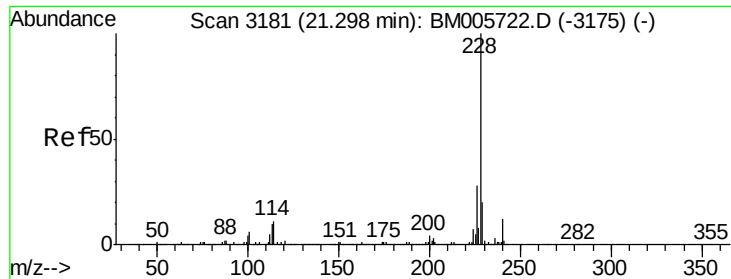
Acq: 11 Jun 2016 16:31

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		440307		
101	13.7	10.6	15.8		
100	10.3	8.4	12.6		



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





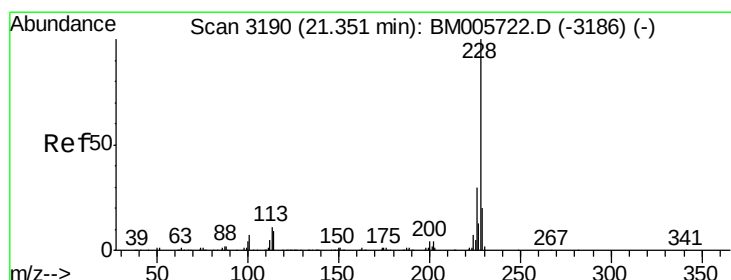
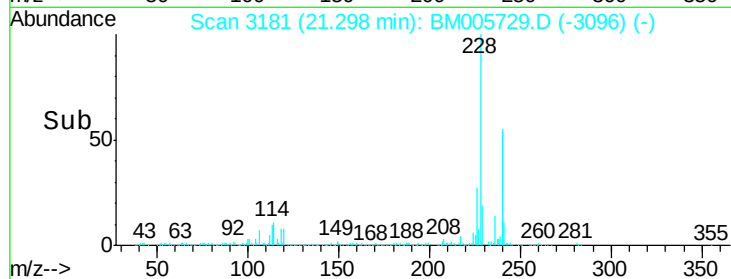
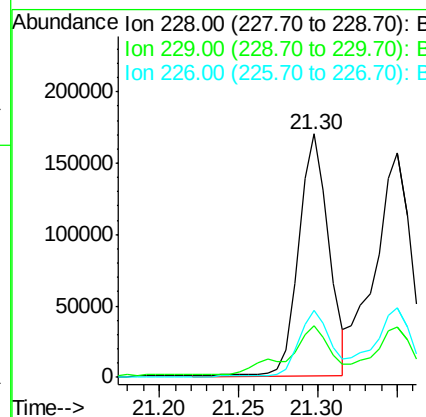
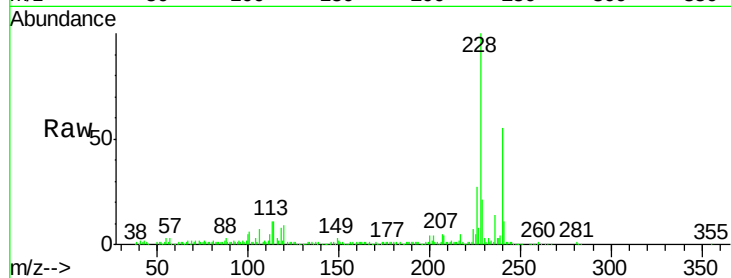
#32
Benzo(a)anthracene
Concen: 5.86 ng/ul
RT: 21.30 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Instrument :
BNA_M
ClientSampleId :
D9XQ8

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.3	16.1	24.1
226	27.4	22.1	33.1

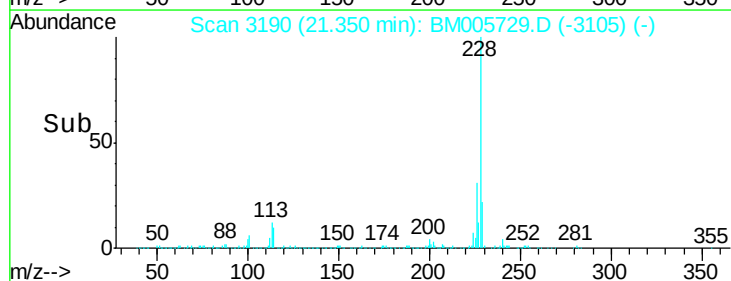
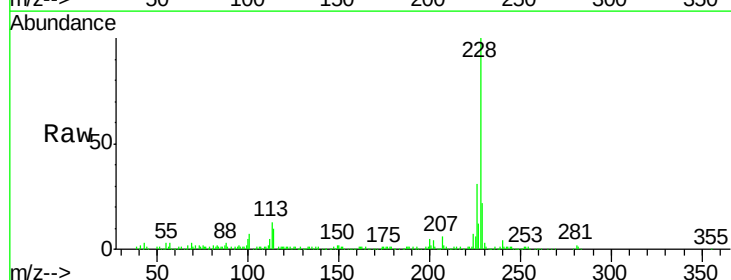
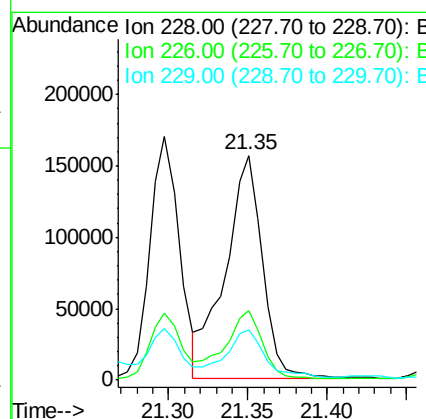
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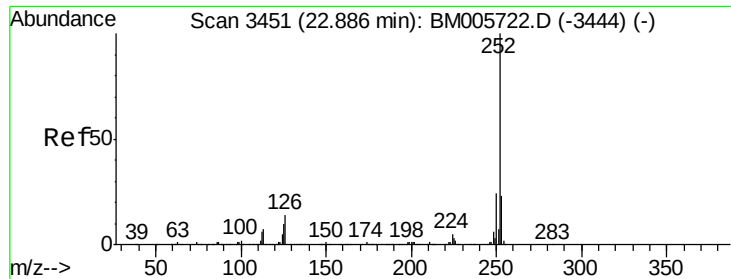
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#33
Chrysene
Concen: 6.81 ng/ul
RT: 21.35 min Scan# 3190
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.2	24.2	36.2
229	22.1	15.8	23.8





#35

Benzo(b)fluoranthene

Concen: 8.29 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM005729.D

Acq: 11 Jun 2016 16:31

Instrument :

BNA_M

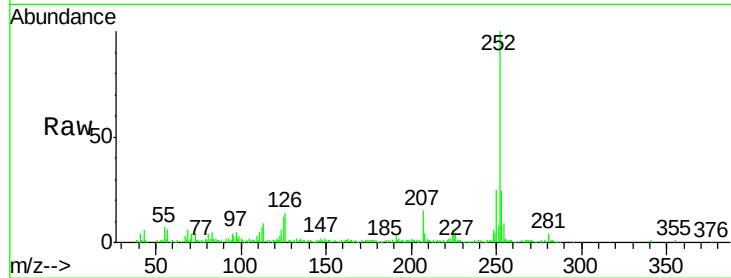
ClientSampleId :

D9XQ8

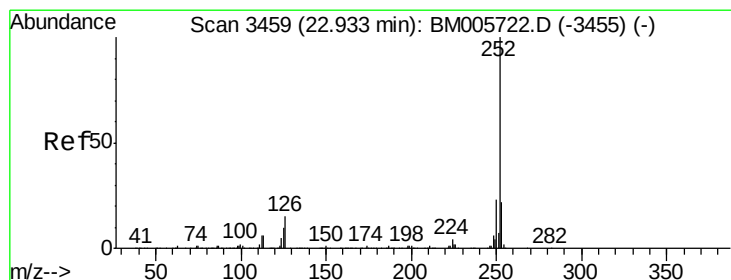
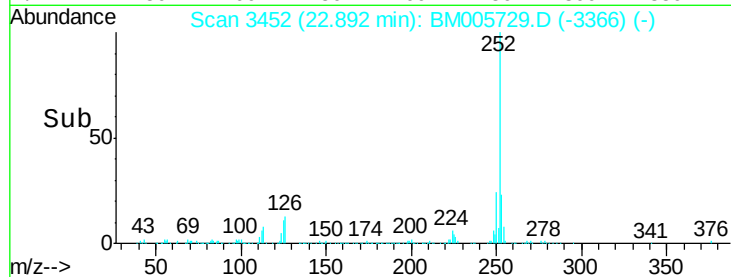
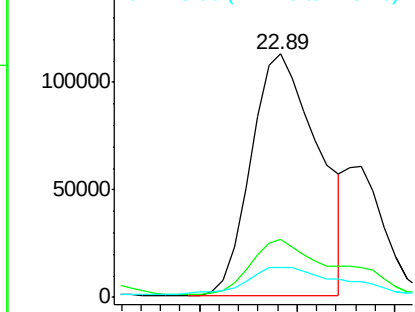
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	269082		
253	23.6	18.2	27.2	
125	12.5	8.4	12.6	

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 2.64 ng/ul m

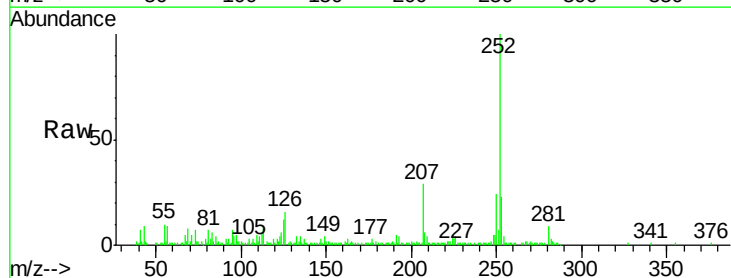
RT: 22.93 min Scan# 3459

Delta R.T. -0.00 min

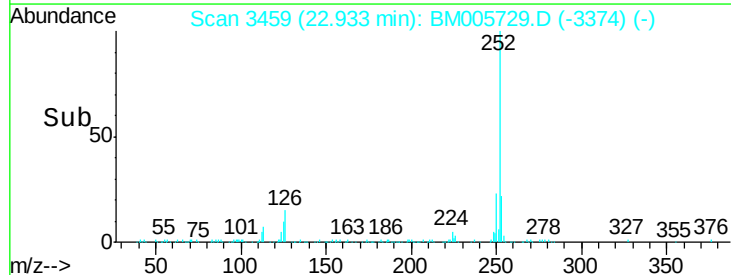
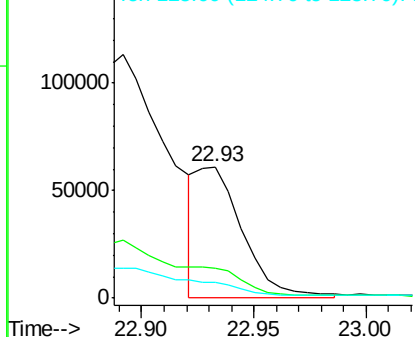
Lab File: BM005729.D

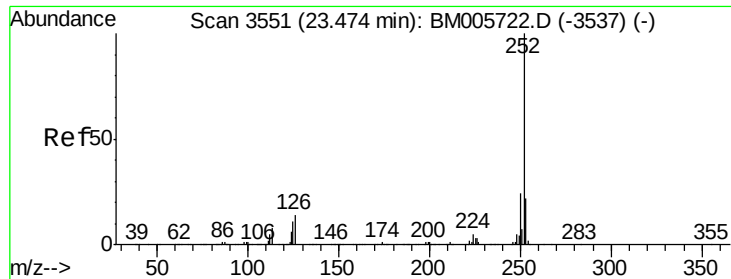
Acq: 11 Jun 2016 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	86612		
253	23.1	17.5	26.3	
125	12.4	8.2	12.2#	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





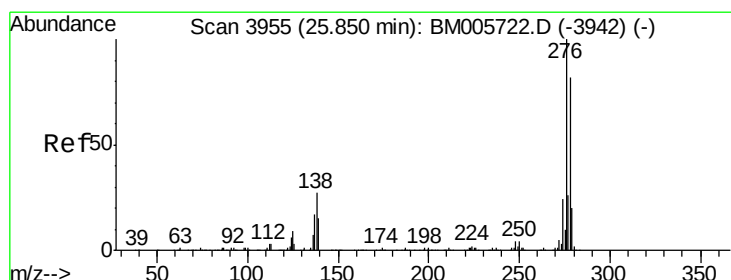
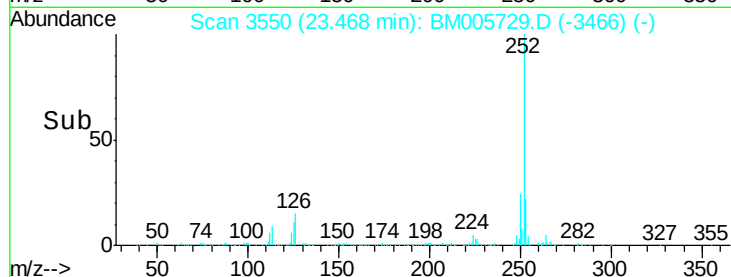
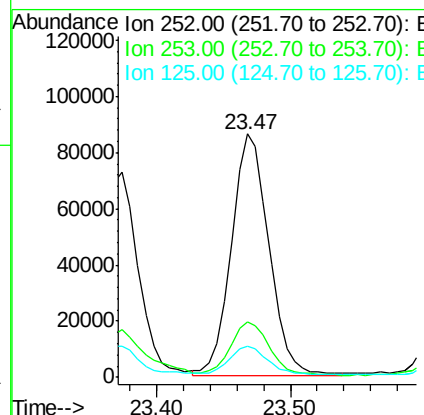
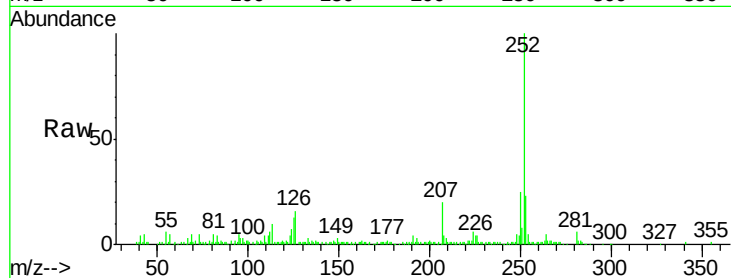
#38
Benzo(a)pyrene
Concen: 5.47 ng/ul
RT: 23.47 min Scan# 3550
Delta R.T. -0.01 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Instrument :
BNA_M
ClientSampled :
D9XQ8

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.7	9.1	13.7

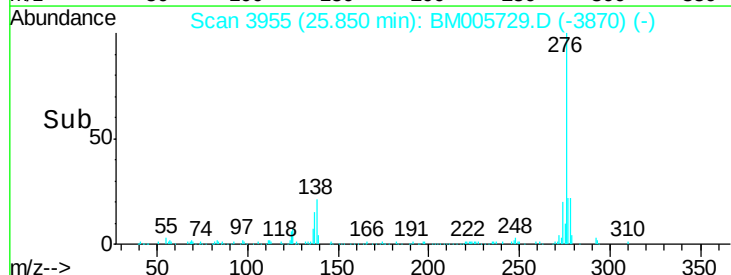
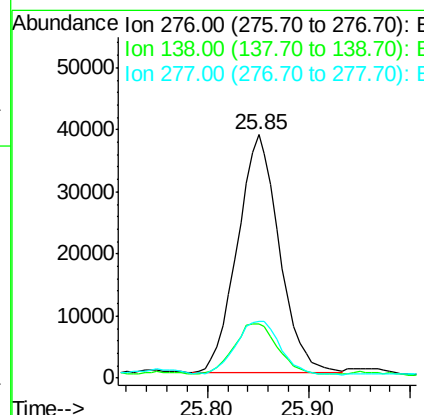
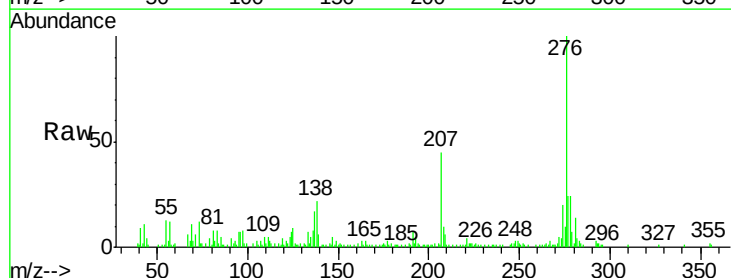
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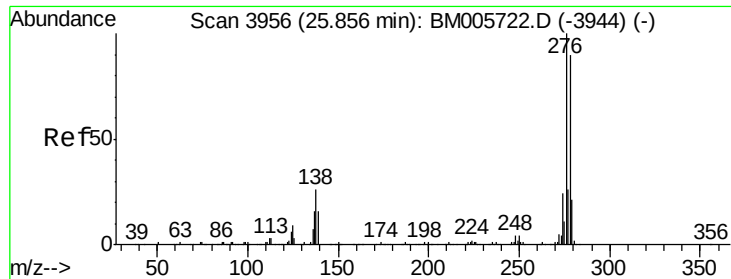
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#39
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng/ul
RT: 25.85 min Scan# 3955
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	22.2	21.4	32.2
277	23.6	20.5	30.7





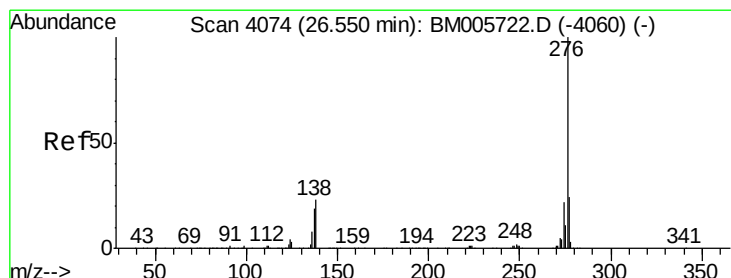
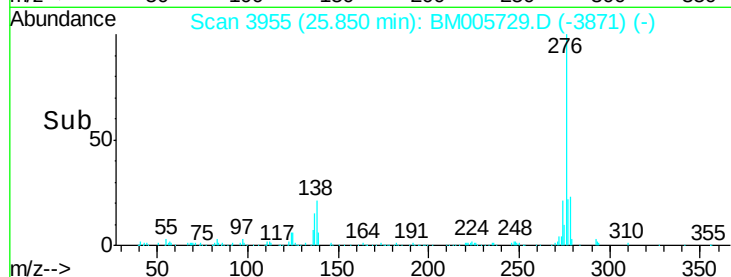
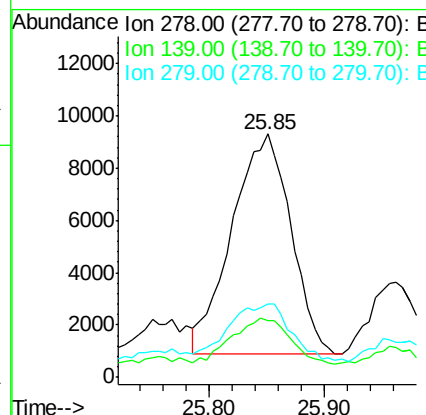
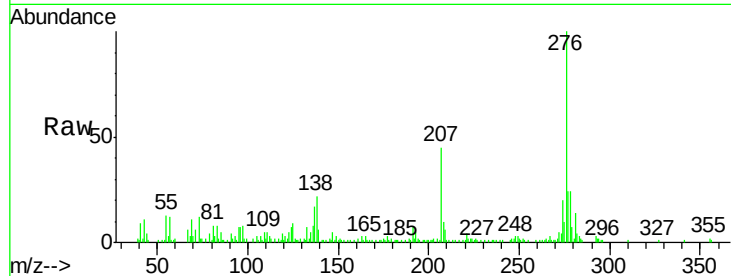
#40
Dibenzo(a,h)anthracene
Concen: 1.18 ng/ul
RT: 25.85 min Scan# 3955
Delta R.T. -0.01 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Instrument :
BNA_M
ClientSampleId :
D9XQ8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.3	14.2	21.4#
279	30.0	18.8	28.2#

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#41
Benzo(g,h,i)perylene
Concen: 4.01 ng/ul
RT: 26.55 min Scan# 4074
Delta R.T. -0.00 min
Lab File: BM005729.D
Acq: 11 Jun 2016 16:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.2	27.4
277	25.2	19.5	29.3

