

Data Path : Z:\HPCHEM1\BNA_M\Data\BM073015\
 Data File : BM002143.D
 Acq On : 30 Jul 2015 19:10
 Operator : TP/UM
 Sample : G3048-01RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S6RE

Manual Integrations
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 8/3/2015 11:54:15 AM

Quant Time: Aug 07 18:30:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 31 01:27:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	116999	20.00	ng/ul	0.02
18) Naphthalene-d8	10.39	136	505085	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.27	164	315390	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.03	188	631675	20.00	ng/ul	0.02
78) Chrysene-d12	21.23	240	583210	20.00	ng/ul	0.03
86) Perylene-d12	23.46	264	571603	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	2539	1.12	ng/uL	0.01
5) Phenol-d5	6.79	99	72155	8.63	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.94	67	49655	10.74	ng/ul	0.01
9) 2-Chlorophenol-d4	7.14	132	67996	9.59	ng/ul	0.02
13) 4-Methylphenol-d8	8.33	113	21522	3.24	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	39343	10.96	ng/ul	0.01
22) 2-Nitrophenol-d4	9.49	143	45392	11.38	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.03	165	62123	8.09	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.68	166	241811	10.47	ng/ul	0.01
47) Acenaphthylene-d8	13.96	160	289413	10.02	ng/ul	0.02
52) 4-Nitrophenol-d4	14.51	143	24122	6.26	ng/ul	0.04
58) Fluorene-d10	15.27	176	215420	10.60	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.42	200	10658	2.76	ng/ul	0.03
71) Anthracene-d10	17.12	188	289851	10.28	ng/ul	0.02
79) Pyrene-d10	19.43	212	282204	11.49	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.31	264	286592	10.34	ng/ul	0.05

Target Compounds

					Qvalue
14) Acetophenone	8.43	105	12065	1.15 ng/ul	97
28) Naphthalene	10.45	128	167596	6.98 ng/ul	99
34) 2-Methylnaphthalene	12.06	142	40216	2.30 ng/ul	98
45) Dimethylphthalate	13.73	163	98753	4.28 ng/ul	100
59) Fluorene	15.32	166	29742	1.28 ng/ul#	98
70) Phenanthrene	17.06	178	290766	8.89 ng/ul	100
72) Anthracene	17.16	178	54065	1.62 ng/ul	97
76) Di-n-butylphthalate	17.99	149	72407	2.13 ng/ul#	94
77) Fluoranthene	19.10	202	539233	14.27 ng/ul	98
80) Pyrene	19.46	202	494465	15.58 ng/ul	99
81) Butylbenzylphthalate	20.36	149	264471	21.82 ng/ul	99
83) Benzo(a)anthracene	21.22	228	217305	6.72 ng/ul#	92
84) Bis(2-ethylhexyl)phthalate	21.13	149	133980	7.22 ng/ul#	98
85) Chrysene	21.27	228	216826	7.17 ng/ul#	93
88) Benzo(b)fluoranthene	22.79	252	290143	9.03 ng/ul#	82
89) Benzo(k)fluoranthene	22.83	252	80504m	2.60 ng/ul	
91) Benzo(a)pyrene	23.36	252	142346	4.59 ng/ul#	74
92) Indeno(1,2,3-cd)pyrene	25.70	276	103314	2.89 ng/ul#	93
94) Benzo(g,h,i)perylene	26.40	276	107459m	3.59 ng/ul	

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

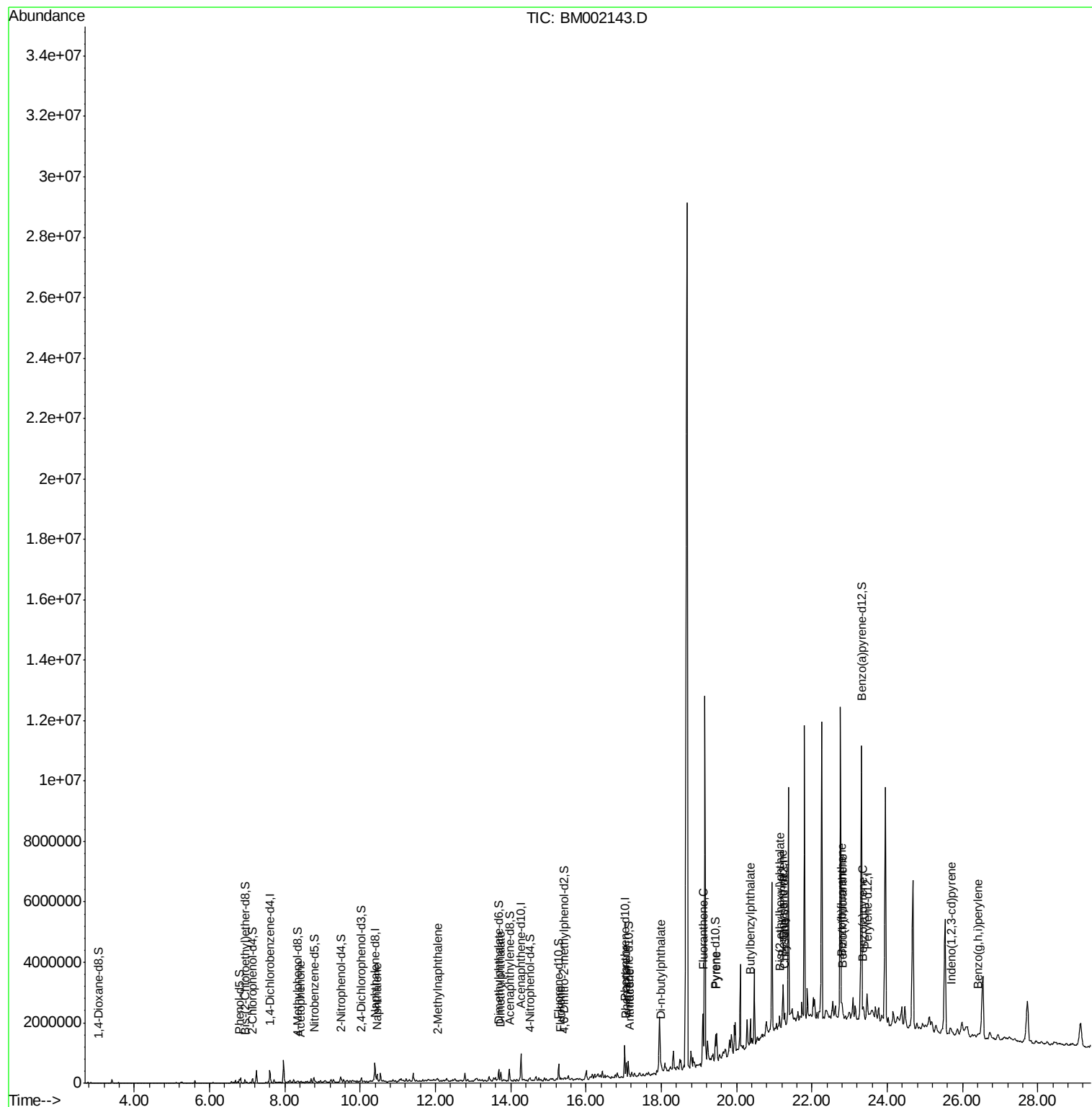
Data Path : Z:\HPCHEM1\BNA_M\Data\BM073015\
Data File : BM002143.D
Acq On : 30 Jul 2015 19:10
Operator : TP/UM
Sample : G3048-01RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

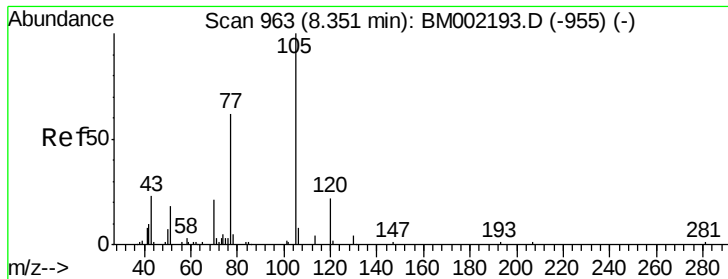
Instrument :
BNA_M
ClientSampleId :
C01S6RE

Quant Time: Aug 07 18:30:37 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 01:27:14 2015
Response via : Initial Calibration

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#14

Acetophenone

Concen: 1.15 ng/ul

RT: 8.43 min Scan# 976

Delta R.T. 0.02 min

Lab File: BM002143.D

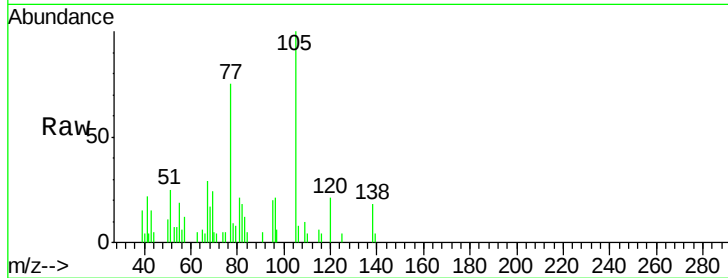
Acq: 30 Jul 2015 19:10

Instrument :

BNA_M

ClientSampleId :

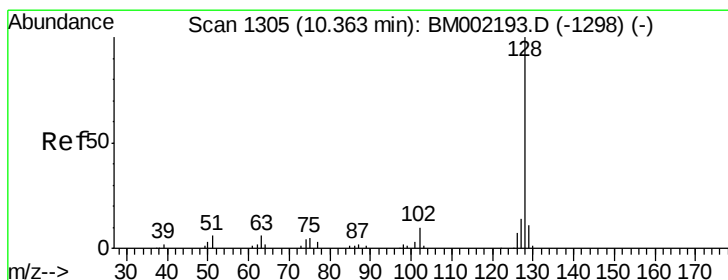
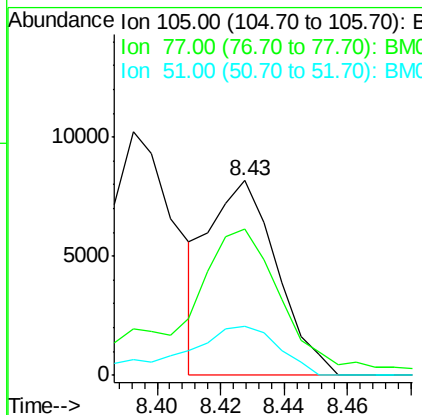
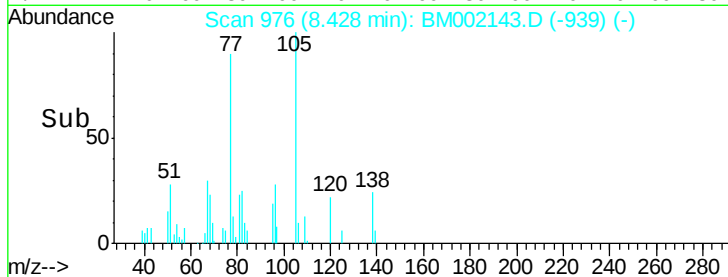
C01S6RE



Tgt Ion:	105	Resp:	12065
Ion Ratio	Lower	Upper	
105	100		
77	75.4	61.8	92.8
51	25.0	18.5	27.7

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#28

Naphthalene

Concen: 6.98 ng/ul

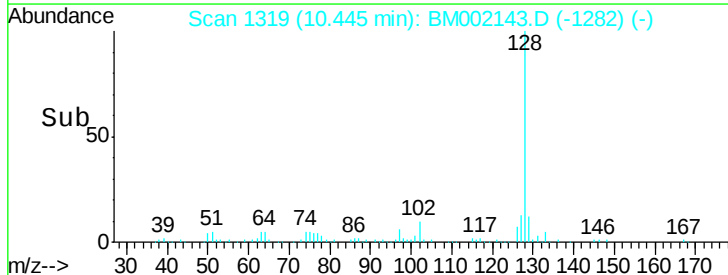
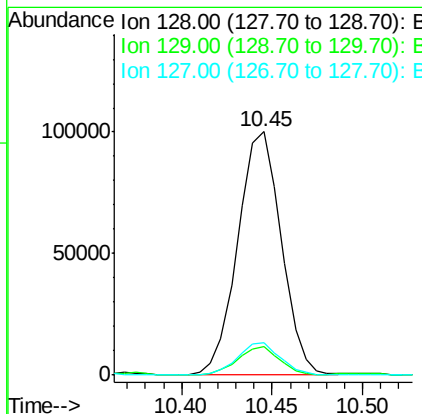
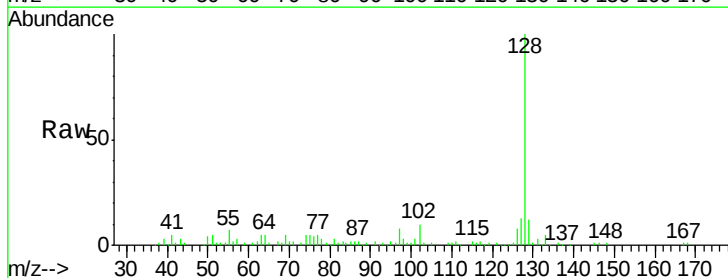
RT: 10.45 min Scan# 1319

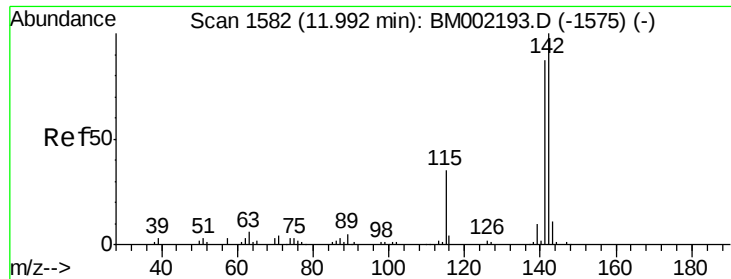
Delta R.T. 0.02 min

Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

Tgt Ion:	128	Resp:	167596
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.4
127	13.2	10.2	15.4





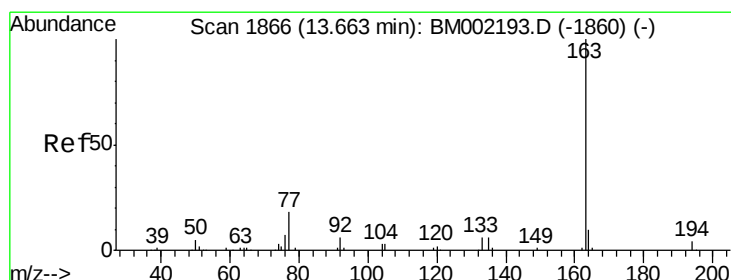
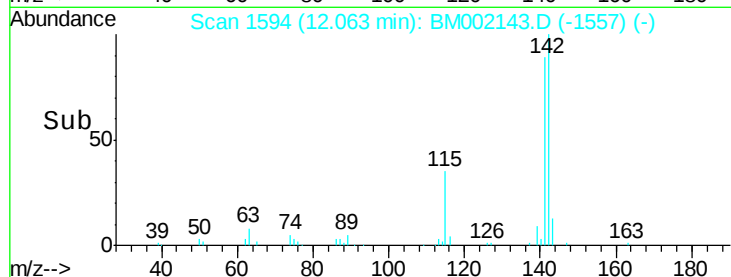
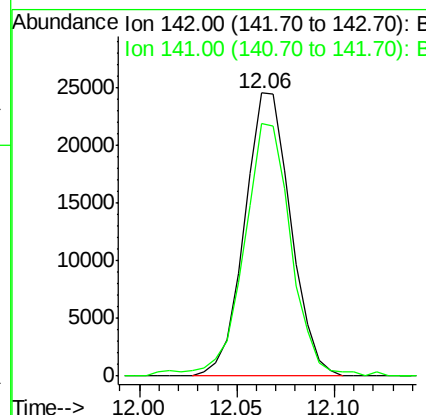
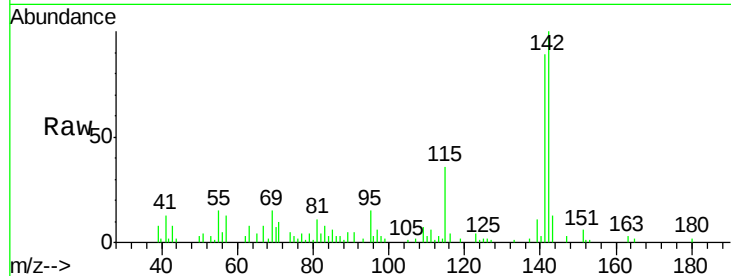
#34
 2-Methylnaphthalene
 Concen: 2.30 ng/ul
 RT: 12.06 min Scan# 1594
 Delta R.T. 0.02 min
 Lab File: BM002143.D
 Acq: 30 Jul 2015 19:10

Instrument :
 BNA_M
 ClientSampleId :
 C01S6RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.8	104.6

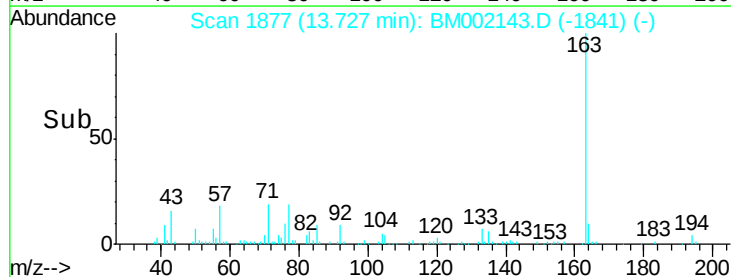
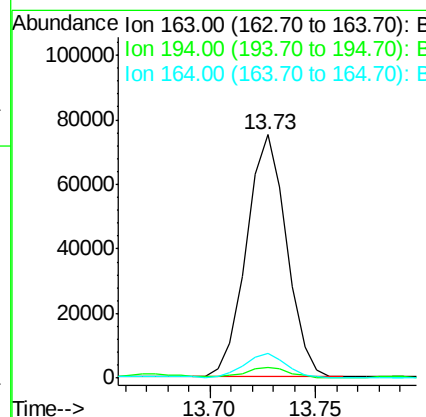
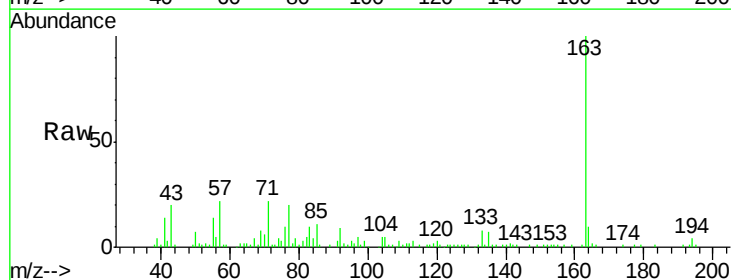
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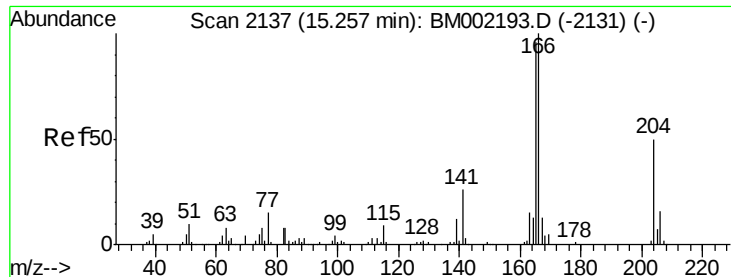
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#45
 Dimethylphthalate
 Concen: 4.28 ng/ul
 RT: 13.73 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: BM002143.D
 Acq: 30 Jul 2015 19:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0





#59

Fluorene

Concen: 1.28 ng/ul

RT: 15.32 min Scan# 2148

Delta R.T. 0.02 min

Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

Instrument :

BNA_M

ClientSampleId :

C01S6RE

Tgt Ion:166 Resp: 29742

Ion Ratio Lower Upper

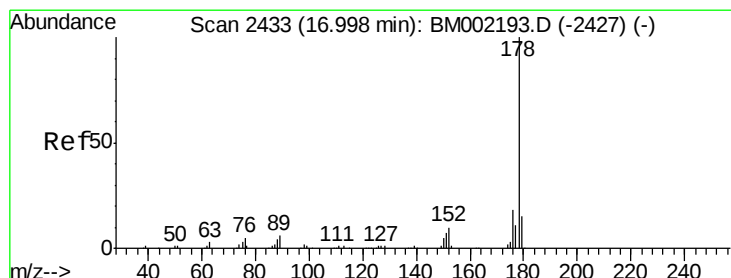
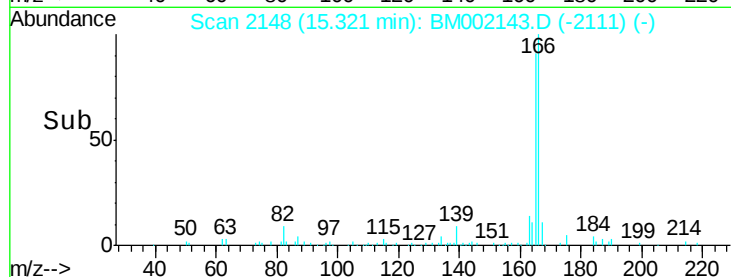
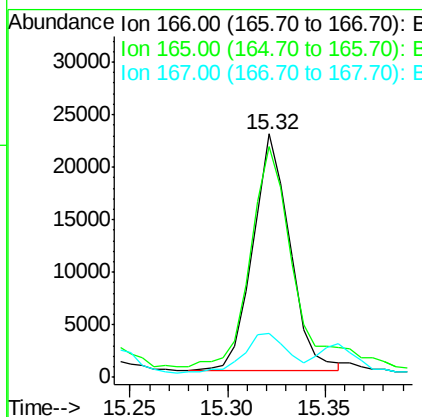
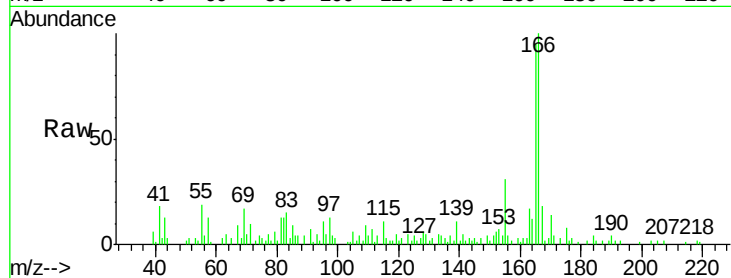
166 100

165 94.9 75.6 113.4

167 18.2 10.5 15.7#

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#70

Phenanthrene

Concen: 8.89 ng/ul

RT: 17.06 min Scan# 2444

Delta R.T. 0.02 min

Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

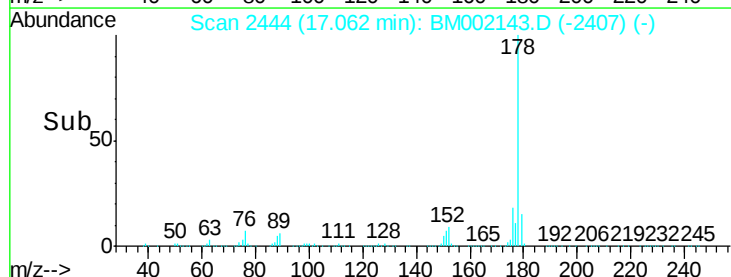
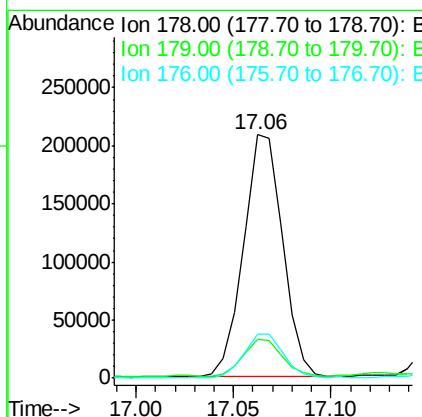
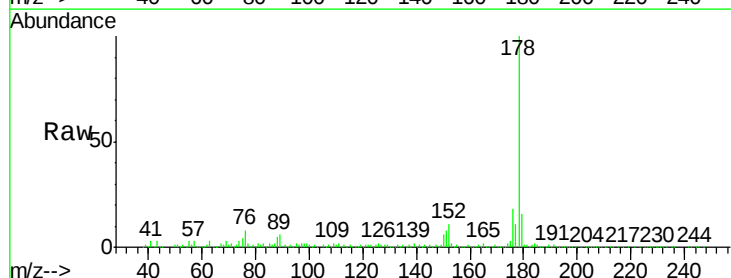
Tgt Ion:178 Resp: 290766

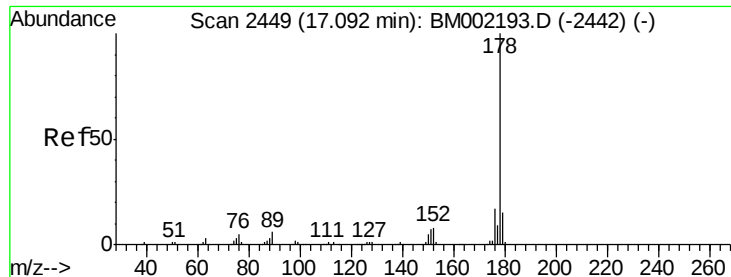
Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 18.0 14.2 21.4





#72

Anthracene

Concen: 1.62 ng/ul

RT: 17.16 min Scan# 2460

Delta R.T. 0.02 min

Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

Instrument :

BNA_M

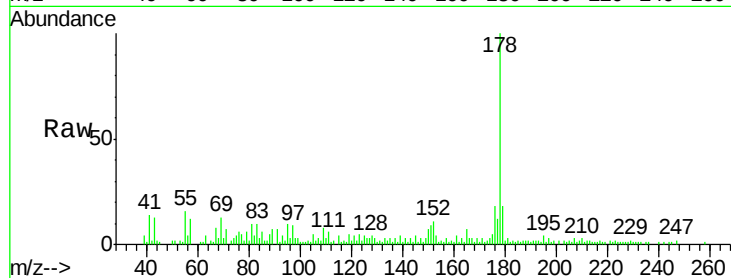
ClientSampleId :

C01S6RE

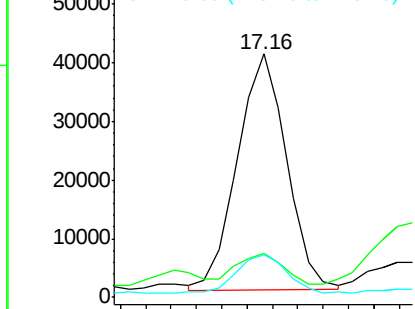
Tgt Ion:	178	Resp:	54065
Ion Ratio	Lower	Upper	
178	100		
179	18.1	12.1	18.1
176	17.7	14.1	21.1

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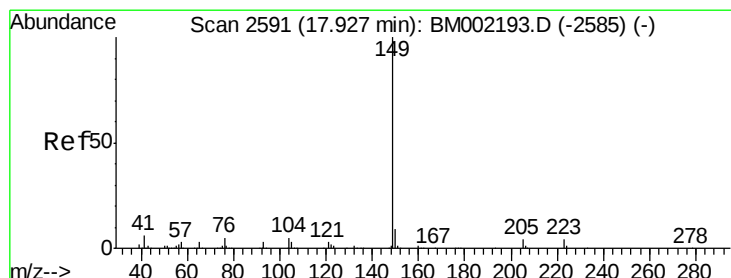
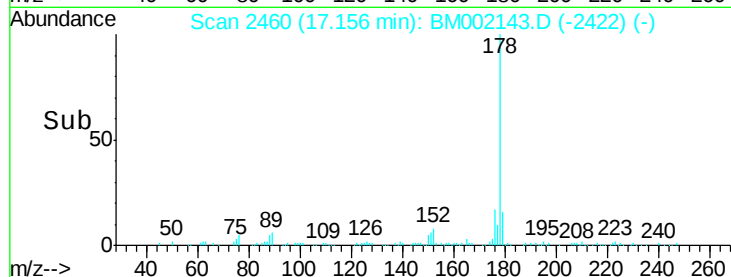
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#76

Di-n-butylphthalate

Concen: 2.13 ng/ul

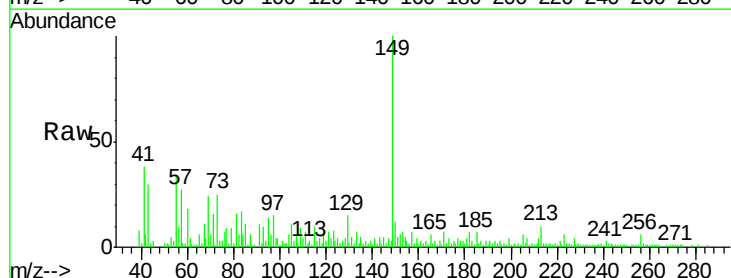
RT: 17.99 min Scan# 2601

Delta R.T. 0.02 min

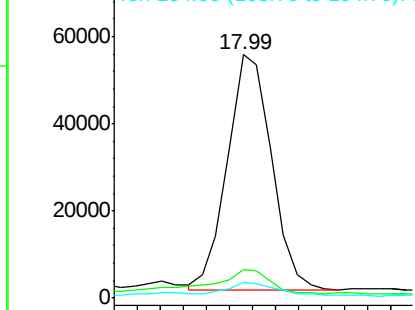
Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

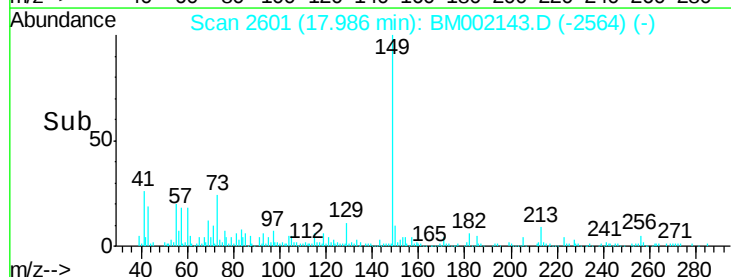
Tgt Ion:	149	Resp:	72407
Ion Ratio	Lower	Upper	
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150	11.5	7.0	10.4#
104	6.3	4.2	6.2#

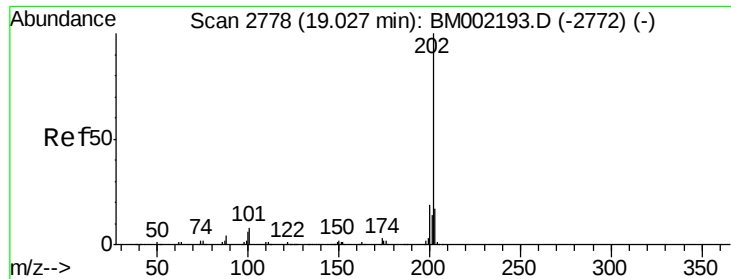


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->





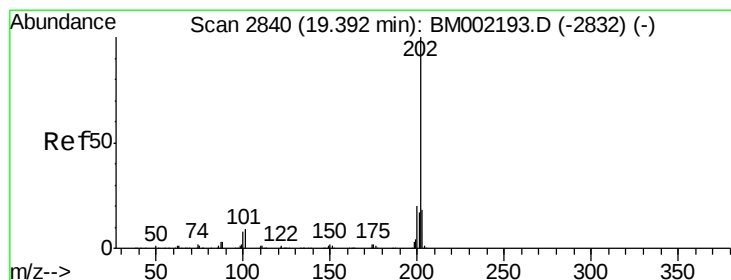
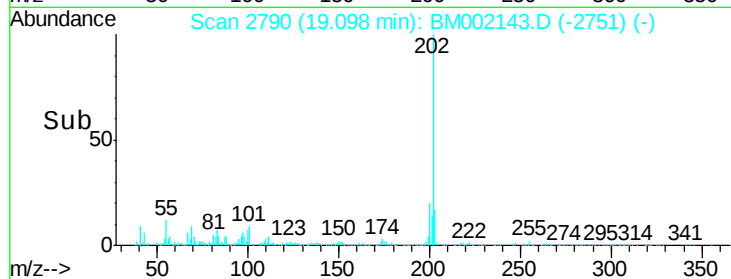
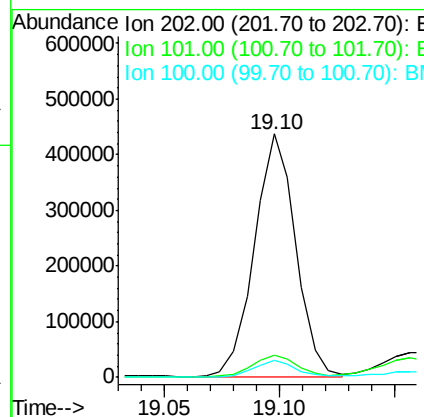
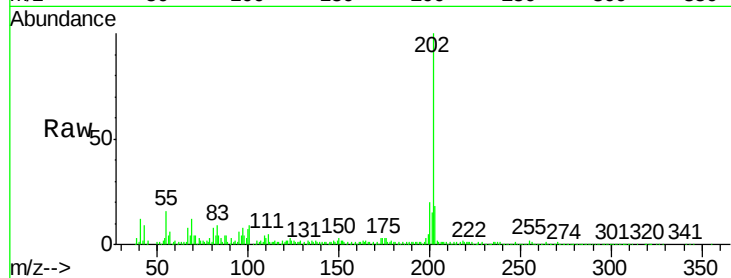
#77
 Fluoranthene
 Concen: 14.27 ng/ul
 RT: 19.10 min Scan# 2790
 Delta R.T. 0.03 min
 Lab File: BM002143.D
 Acq: 30 Jul 2015 19:10

Instrument :
 BNA_M
 ClientSampleId :
 C01S6RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.9	6.2	9.4
100	6.9	5.2	7.8

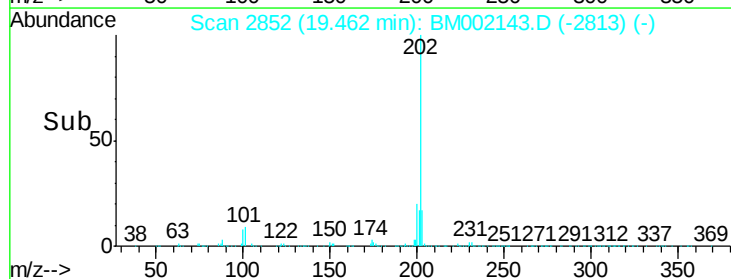
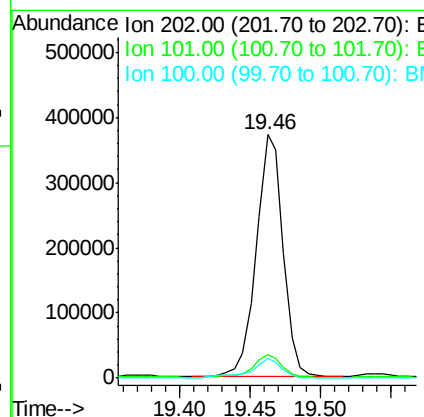
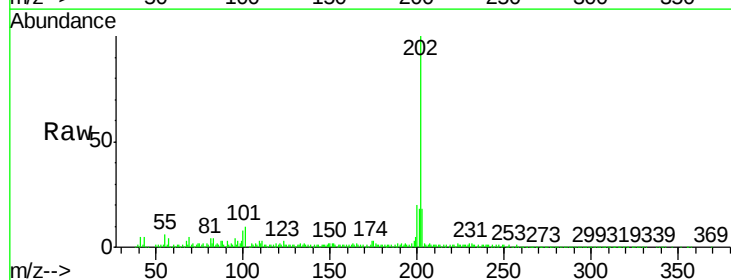
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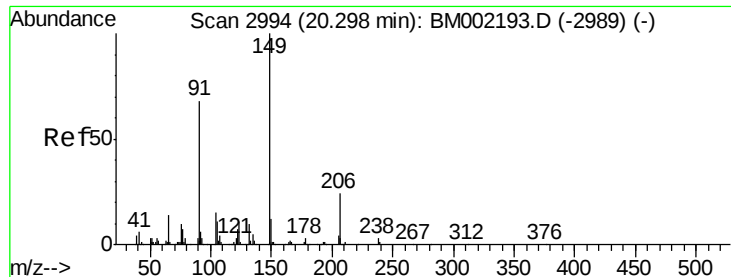
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#80
 Pyrene
 Concen: 15.58 ng/ul
 RT: 19.46 min Scan# 2852
 Delta R.T. 0.03 min
 Lab File: BM002143.D
 Acq: 30 Jul 2015 19:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.8	7.4	11.2
100	8.0	6.3	9.5





#81

Butylbenzylphthalate

Concen: 21.82 ng/ul

RT: 20.36 min Scan# 3005

Delta R.T. 0.02 min

Lab File: BM002143.D

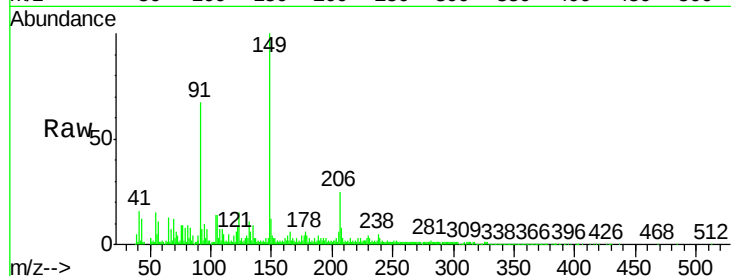
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Instrument :

BNA_M

ClientSampleId :

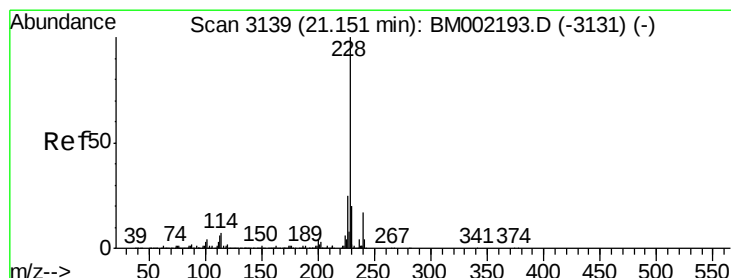
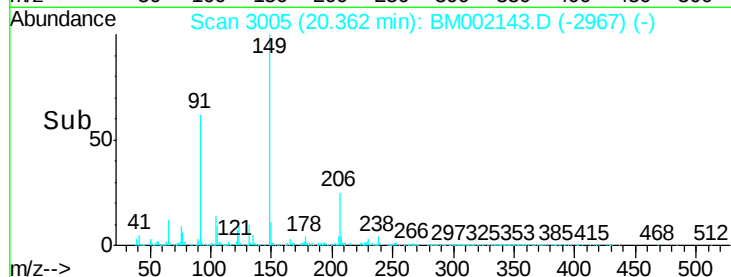
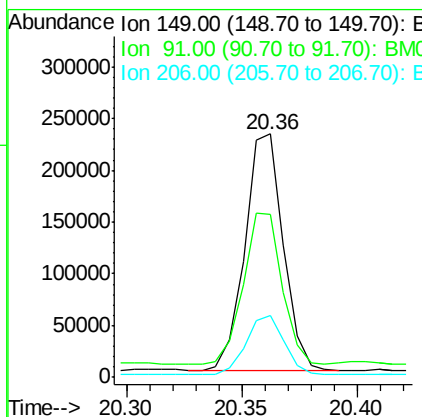
C01S6RE



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	264471		
91	66.8	52.4	78.6	
206	25.3	19.9	29.9	

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#83

Benzo(a)anthracene

Concen: 6.72 ng/ul

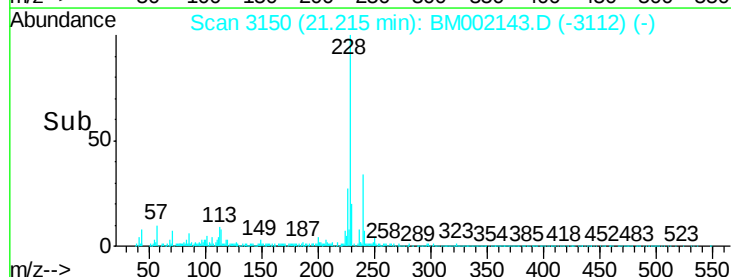
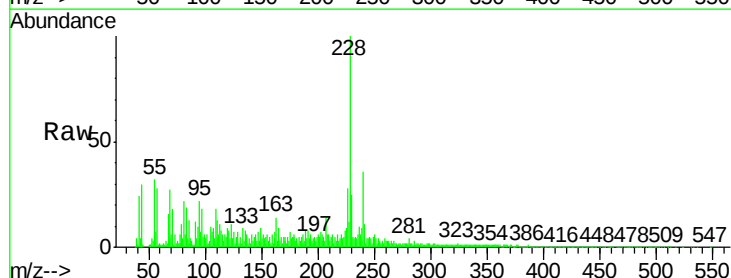
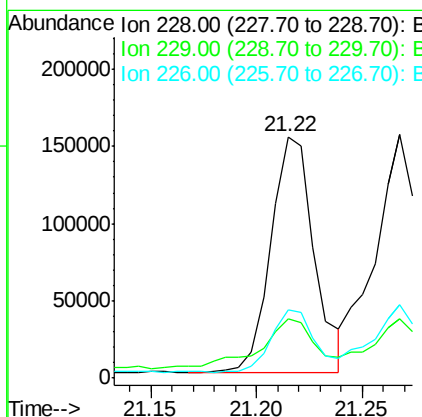
RT: 21.22 min Scan# 3150

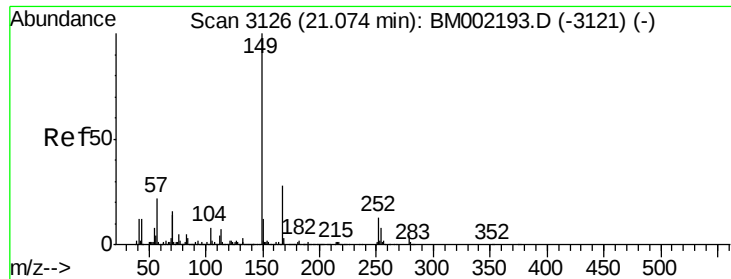
Delta R.T. 0.02 min

Lab File: BM002143.D

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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	217305		
229	24.6	15.4	23.2#	
226	28.3	20.5	30.7	





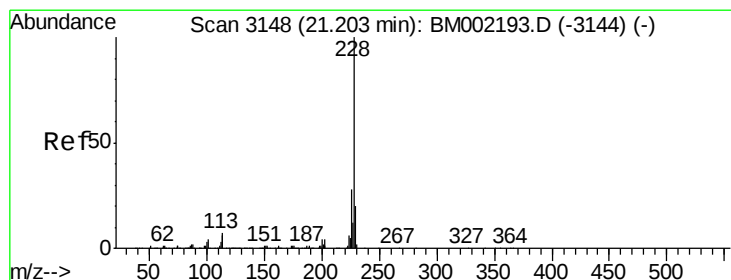
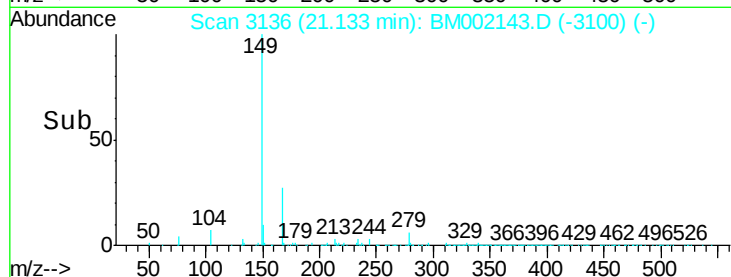
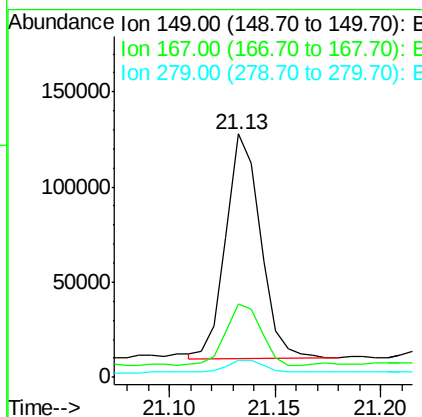
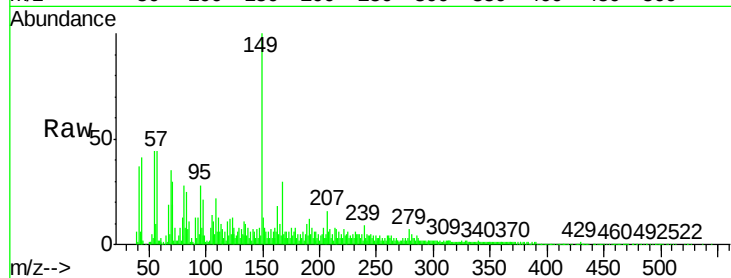
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.22 ng/ul
 RT: 21.13 min Scan# 3136
 Delta R.T. 0.01 min
 Lab File: BM002143.D
 Acq: 30 Jul 2015 19:10

Instrument :
 BNA_M
 ClientSampleId :
 C01S6RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	30.3	23.6	35.4
279	6.9	4.2	6.4

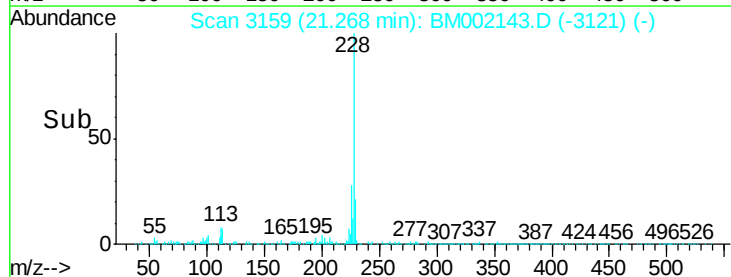
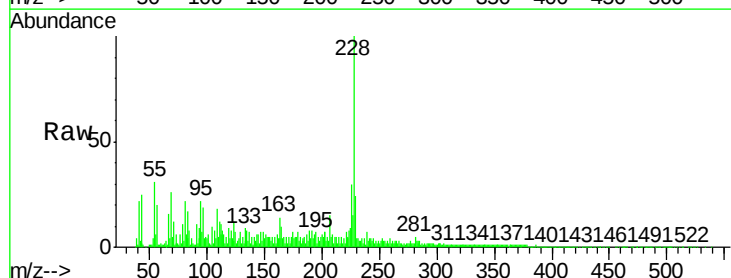
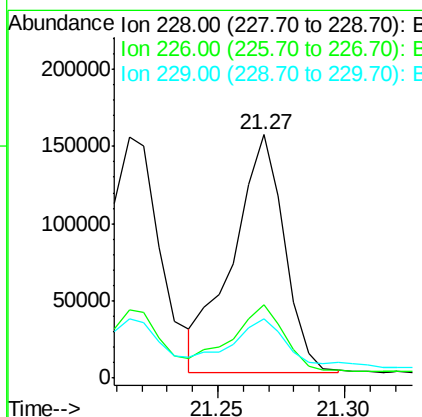
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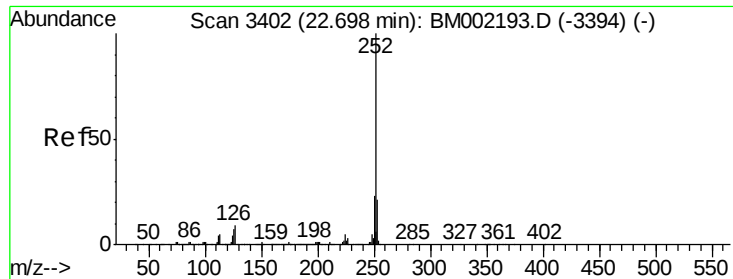
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#85
 Chrysene
 Concen: 7.17 ng/ul
 RT: 21.27 min Scan# 3159
 Delta R.T. 0.02 min
 Lab File: BM002143.D
 Acq: 30 Jul 2015 19:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.9	22.3	33.5
229	24.5	15.5	23.3





#88

Benzo(b)fluoranthene

Concen: 9.03 ng/ul

RT: 22.79 min Scan# 3418

Delta R.T. 0.05 min

Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

Instrument :

BNA_M

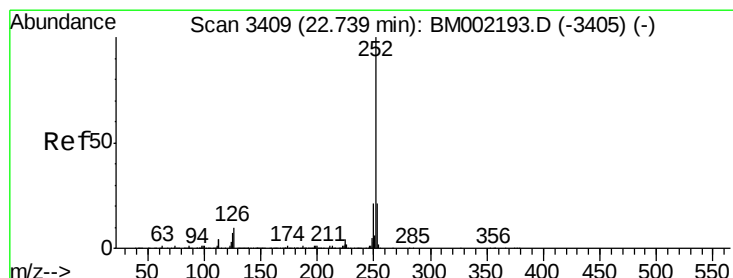
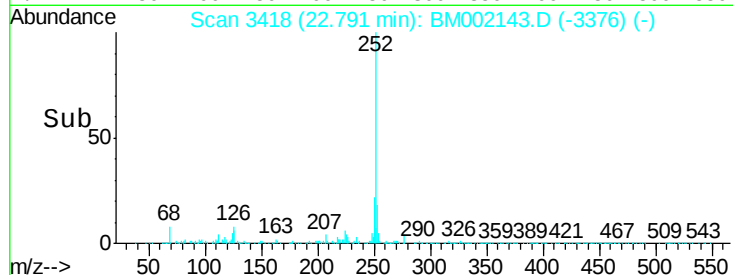
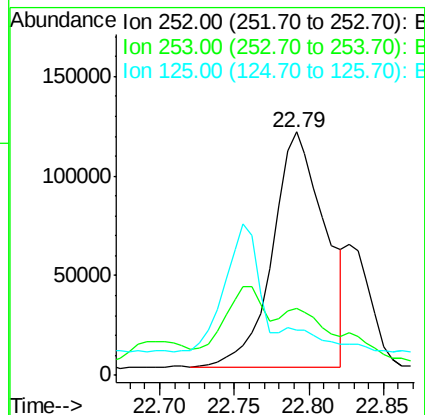
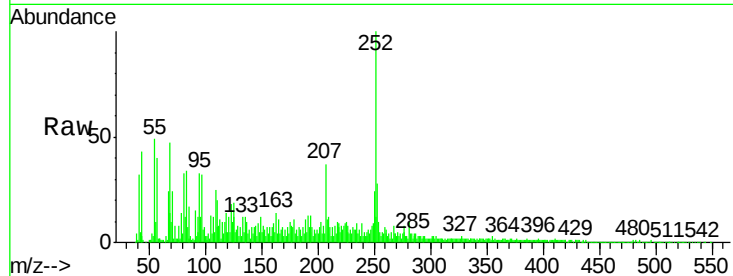
ClientSampleId :

C01S6RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	16.9	25.3#
125	18.7	6.2	9.2#

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#89

Benzo(k)fluoranthene

Concen: 2.60 ng/ul m

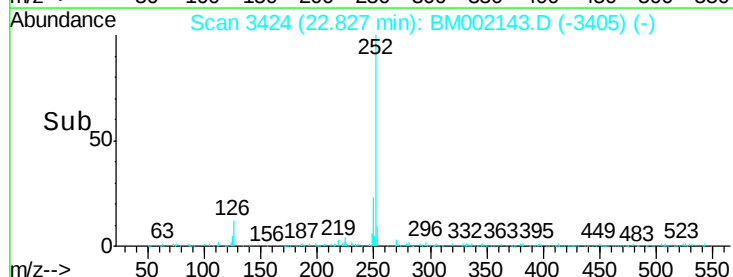
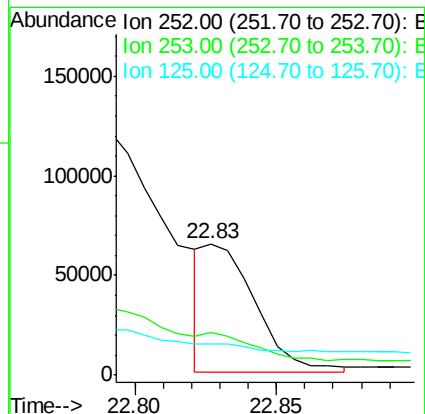
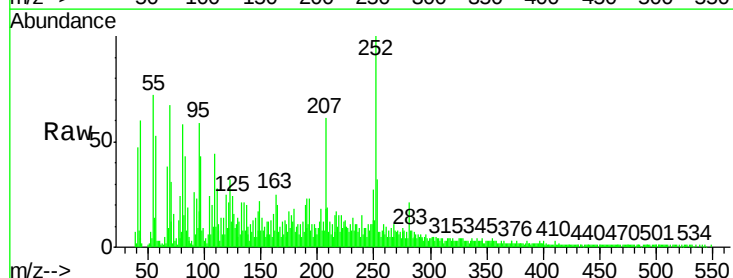
RT: 22.83 min Scan# 3424

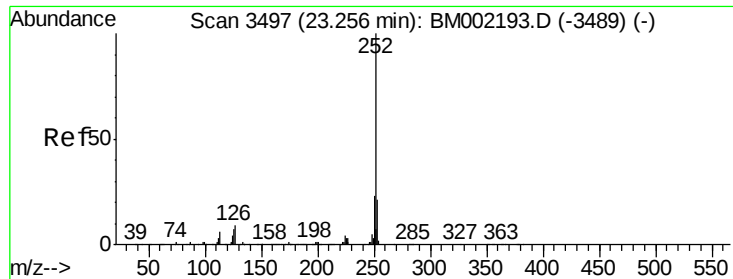
Delta R.T. 0.04 min

Lab File: BM002143.D

Acq: 30 Jul 2015 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.4	26.0#
125	23.7	6.2	9.4#





#91

Benzo(a)pyrene

Concen: 4.59 ng/ul

RT: 23.36 min Scan# 3515

Delta R.T. 0.06 min

Lab File: BM002143.D

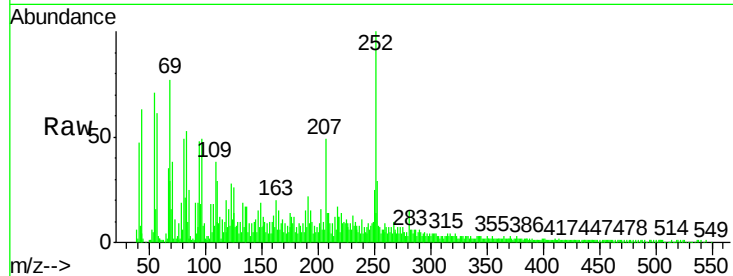
Acq: 30 Jul 2015 19:10

Instrument :

BNA_M

ClientSampleId :

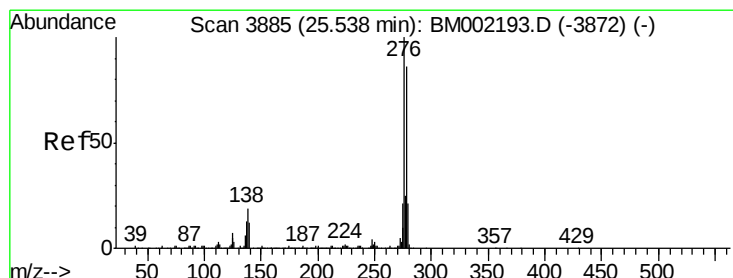
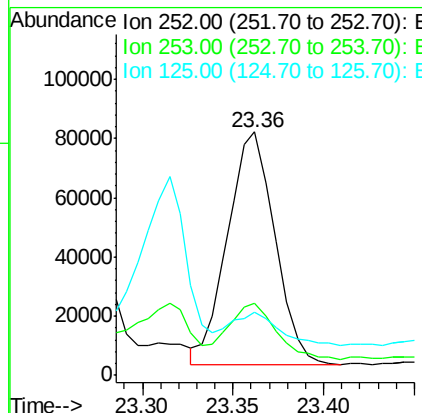
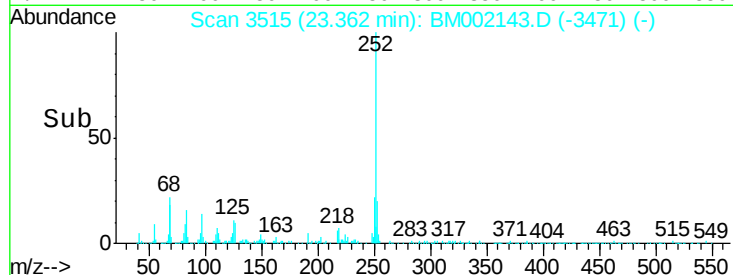
C01S6RE



Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.2	25.8#
125	25.9	6.6	10.0#

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#92

Indeno(1,2,3-cd)pyrene

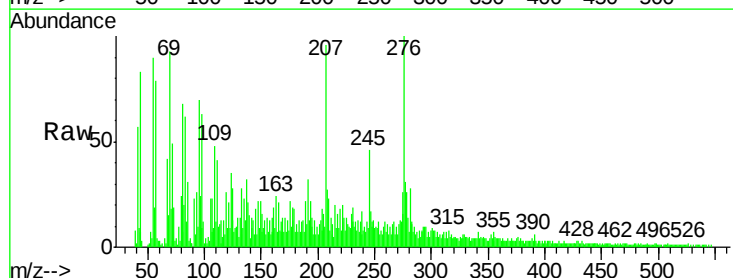
Concen: 2.89 ng/ul

RT: 25.70 min Scan# 3913

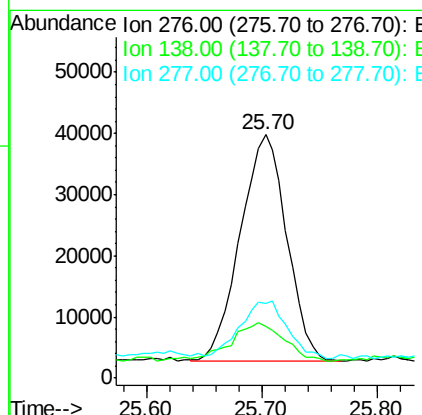
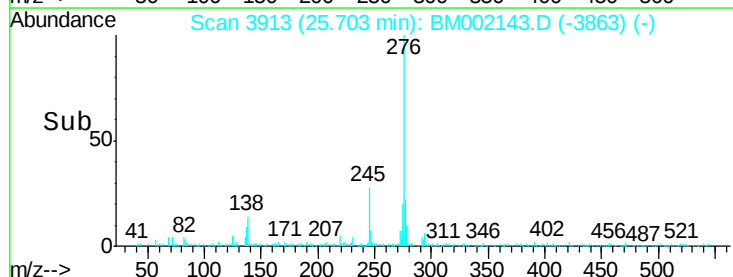
Delta R.T. 0.09 min

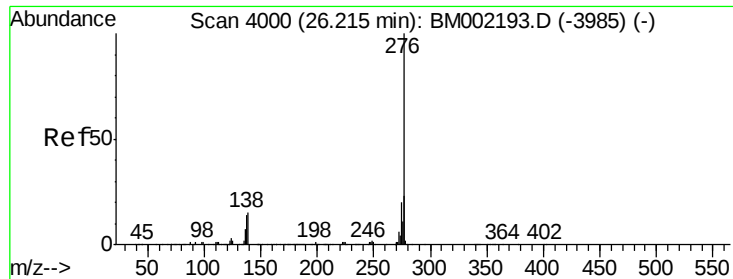
Lab File: BM002143.D

Acq: 30 Jul 2015 19:10



Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.2	24.2
277	30.8	19.8	29.8#





#94

Benzo(g,h,i)perylene

Concen: 3.59 ng/ul m

RT: 26.40 min Scan# 4031

Delta R.T. 0.11 min

Lab File: BM002143.D

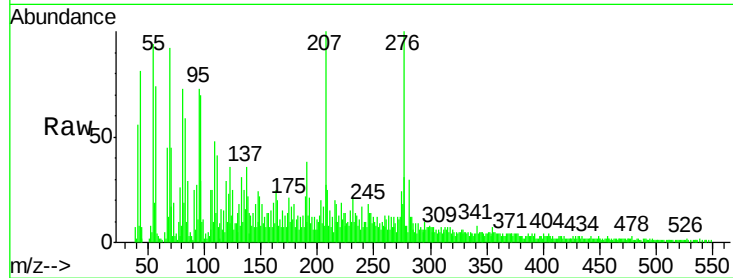
Acq: 30 Jul 2015 19:10

Instrument :

BNA_M

ClientSampleId :

C01S6RE



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	21.8	13.8	20.6#	
277	30.8	18.2	27.2#	

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