

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110916\
 Data File : BM007805.D
 Acq On : 09 Nov 2016 19:54
 Operator : UM/SJ
 Sample : H5554-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5N90

Manual Integrations
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umangi
 11/10/2016 8:42:34 AM

Quant Time: Nov 10 00:00:59 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 09 23:34:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	205458	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	769688	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	479937	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	930945	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1167557	20.00	ng/ul	0.00
83) Perylene-d12	23.56	264	1207740	20.00	ng/ul	0.00

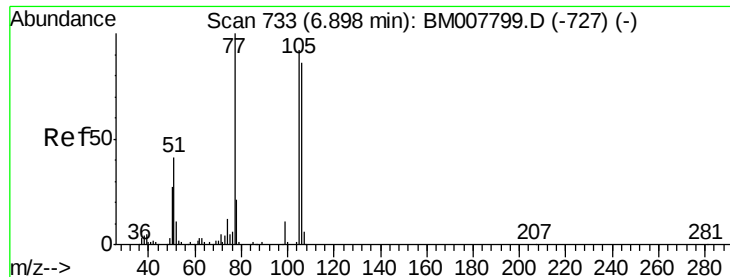
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	16395	3.42	ng/uL	0.00
5) Phenol-d5	6.92	99	282515	17.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	177178	18.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	231535	19.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	175879	14.17	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	112828	20.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	123681	21.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	218490	18.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	159591	12.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	683998	20.93	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	817346	20.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	74809m	14.48	ng/ul	0.00
57) Fluorene-d10	15.37	176	593866	20.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	67567	12.22	ng/ul	0.00
70) Anthracene-d10	17.22	188	912402	21.75	ng/ul	0.00
76) Pyrene-d10	19.52	212	1095606	22.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.42	264	1208489	22.92	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	6.90	77	15923	1.59	ng/ul	97
6) Phenol	6.95	94	80341	4.94	ng/ul	98
14) Acetophenone	8.57	105	39215	2.02	ng/ul	97
44) Dimethylphthalate	13.84	163	133988	4.22	ng/ul	98
49) Acenaphthene	14.44	153	49348	1.79	ng/ul	97
53) Dibenzofuran	14.78	168	45095	1.14	ng/ul	100
58) Fluorene	15.43	166	71548	2.27	ng/ul	97
69) Phenanthrene	17.17	178	1482351	29.96	ng/ul	99
71) Anthracene	17.26	178	237968	4.72	ng/ul	98
72) Carbazole	17.53	167	108788	2.49	ng/ul	98
74) Fluoranthene	19.19	202	2548227	44.04	ng/ul	100
77) Pyrene	19.55	202	2037586	33.78	ng/ul	99
80) Benzo(a)anthracene	21.30	228	1002452	16.06	ng/ul	99
82) Chrysene	21.34	228	1069003	17.83	ng/ul	97
85) Benzo(b)fluoranthene	22.89	252	1512853	21.93	ng/ul	99
86) Benzo(k)fluoranthene	22.93	252	384339m	6.05	ng/ul	
88) Benzo(a)pyrene	23.47	252	948084	14.59	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.83	276	697928	8.96	ng/ul	97
90) Dibenzo(a,h)anthracene	25.83	278	171286	2.61	ng/ul#	89
91) Benzo(g,h,i)perylene	26.53	276	586558	8.97	ng/ul	98

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



#4

Benzaldehyde

Concen: 1.59 ng/ul

RT: 6.90 min Scan# 734

Delta R.T. 0.01 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

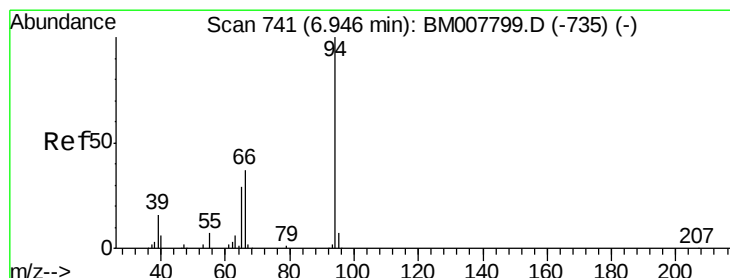
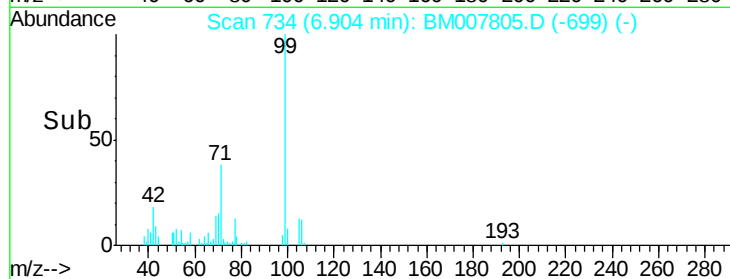
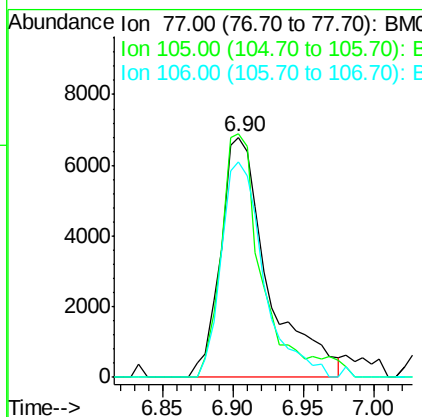
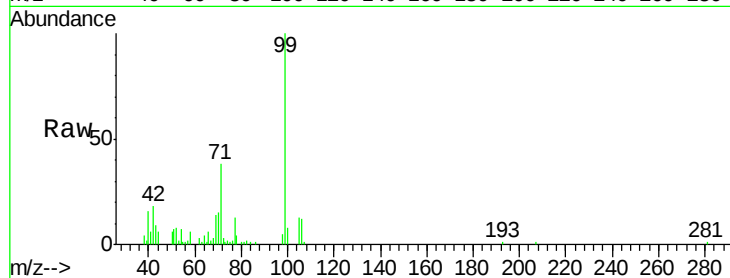
ClientSampleId :

E5N90

Tot Ion:	77	Resp:	15923
Ion	Ratio	Lower	Upper
77	100		
105	101.4	76.9	115.3
106	89.9	71.8	107.8

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#6

Phenol

Concen: 4.94 ng/ul

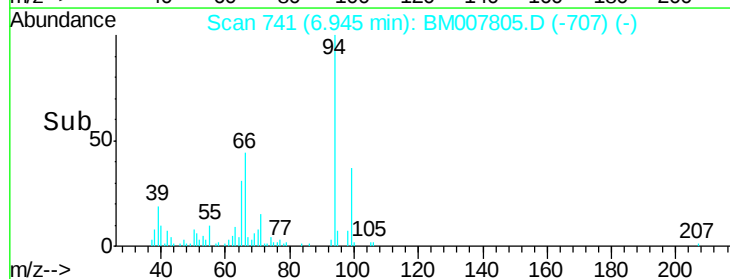
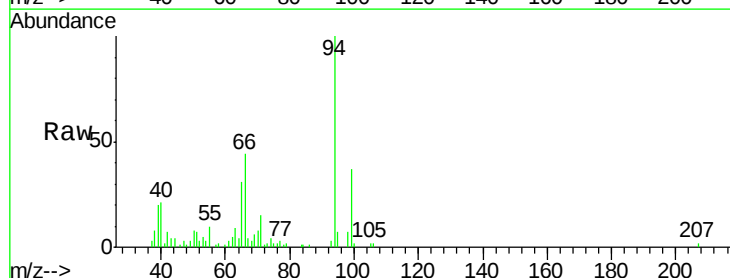
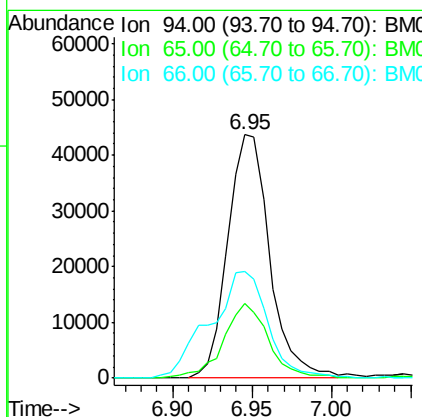
RT: 6.95 min Scan# 741

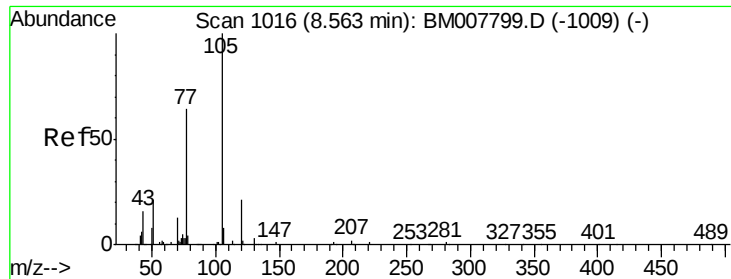
Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Tgt Ion:	94	Resp:	80341
Ion	Ratio	Lower	Upper
94	100		
65	30.8	23.9	35.9
66	43.7	33.5	50.3





#14

Acetophenone

Concen: 2.02 ng/ul

RT: 8.57 min Scan# 1017

Delta R.T. 0.01 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

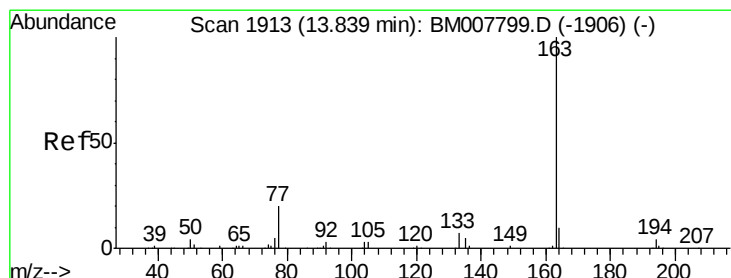
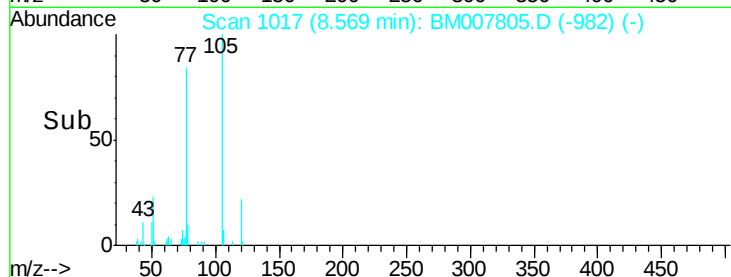
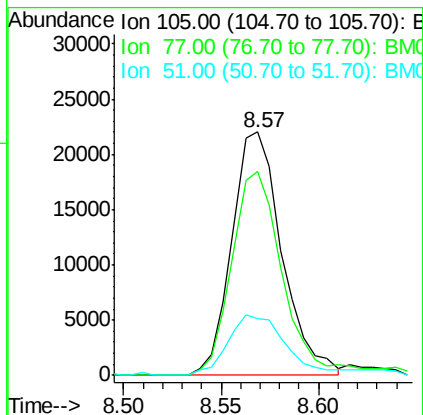
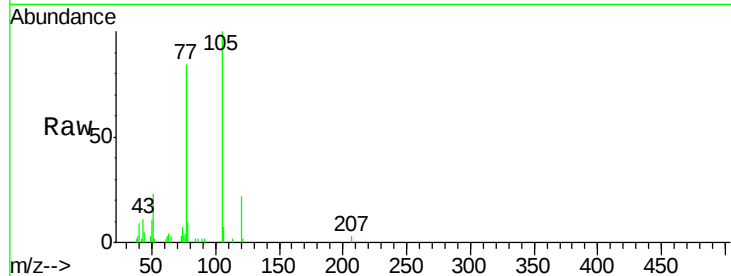
ClientSampleId :

E5N90

Tot Ion:	105	Resp:	39215
Ion Ratio	Lower	Upper	
105	100		
77	83.6	65.9	98.9
51	23.3	22.2	33.2

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#44

Dimethylphthalate

Concen: 4.22 ng/ul

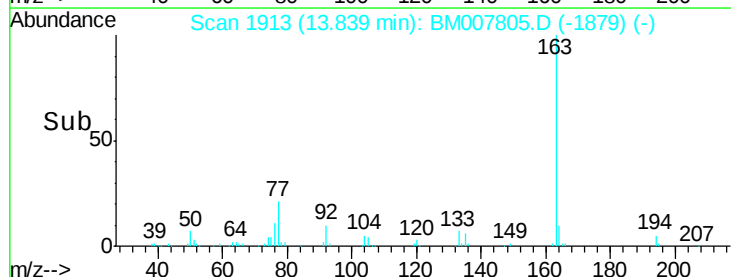
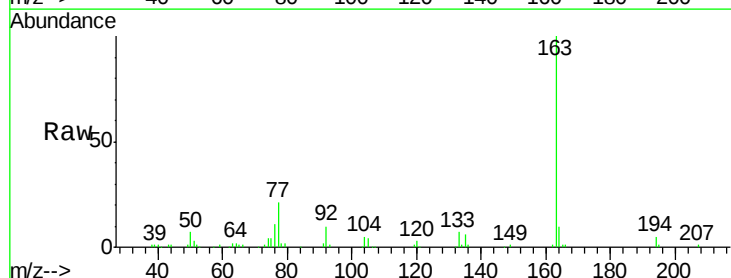
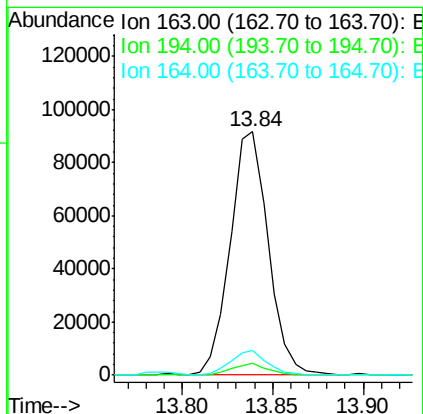
RT: 13.84 min Scan# 1913

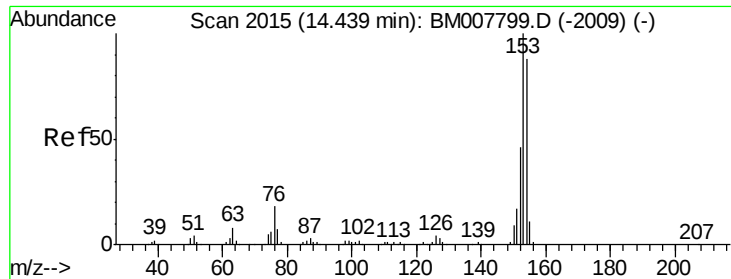
Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Tgt Ion:	163	Resp:	133988
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.2
164	10.3	7.8	11.8





#49

Acenaphthene

Concen: 1.79 ng/ul

RT: 14.44 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

Tot Ion:153 Resp: 49348

Ion Ratio Lower Upper

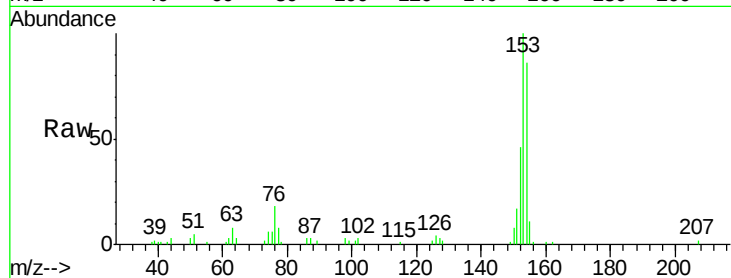
153 100

152 46.0 37.8 56.6

154 86.2 71.4 107.0

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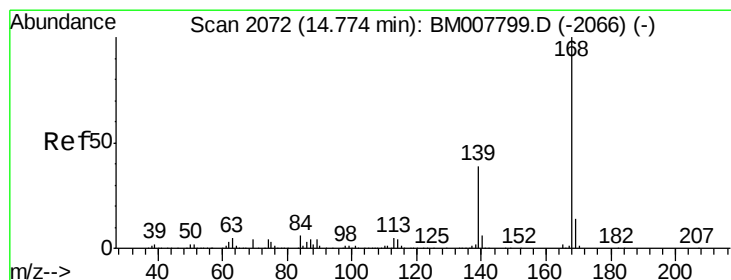
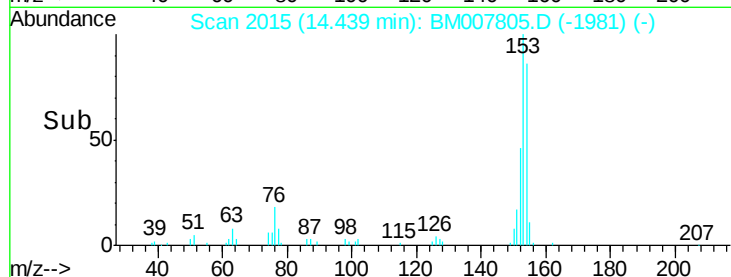
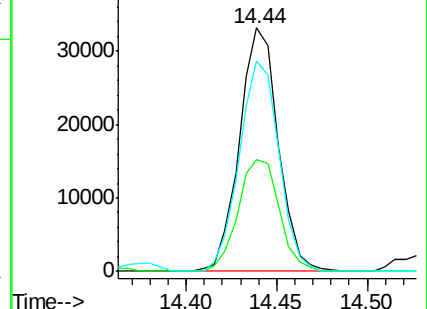
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.14 ng/ul

RT: 14.78 min Scan# 2073

Delta R.T. 0.01 min

Lab File: BM007805.D

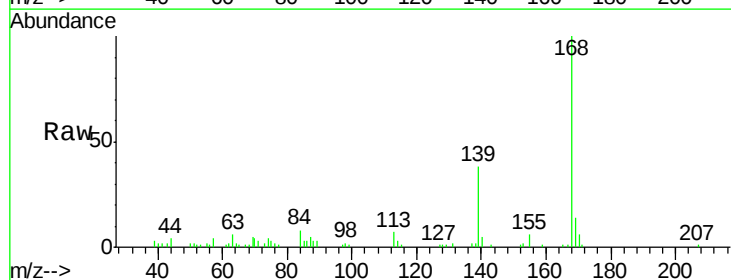
Acq: 09 Nov 2016 19:54

Tgt Ion:168 Resp: 45095

Ion Ratio Lower Upper

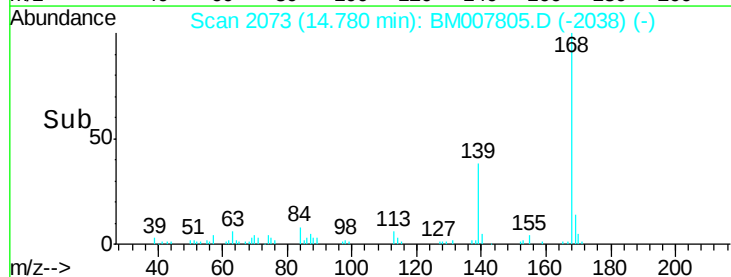
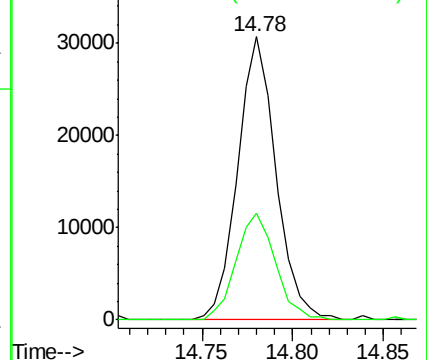
168 100

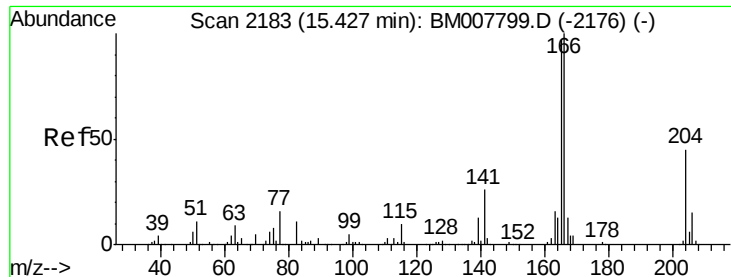
139 37.6 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.27 ng/ul

RT: 15.43 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

ClientSampleId :

E5N90

Tot Ion:166 Resp: 71548

Ion Ratio Lower Upper

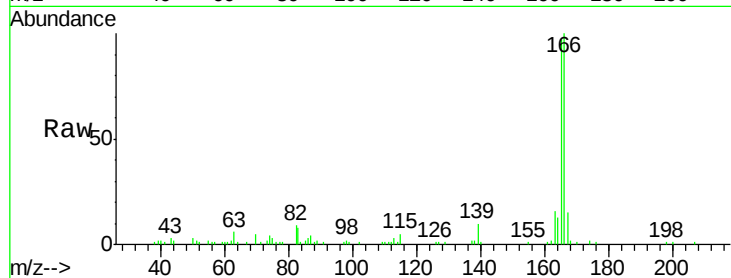
166 100

165 96.7 79.9 119.9

167 15.5 10.5 15.7

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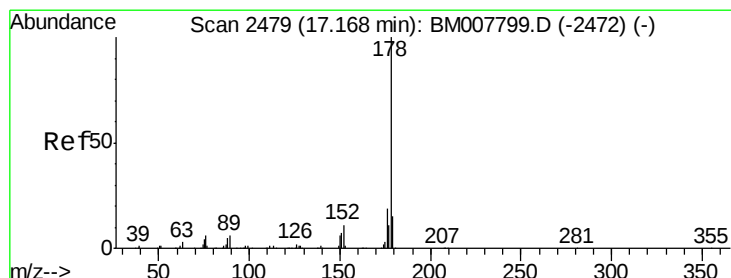
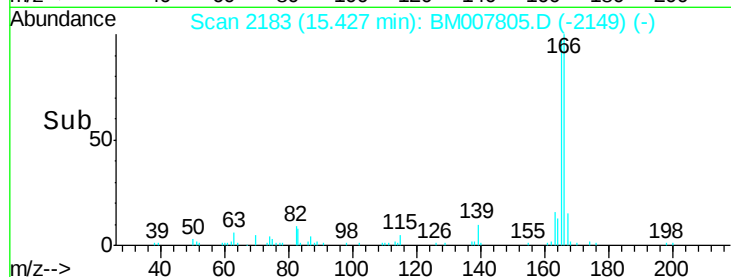
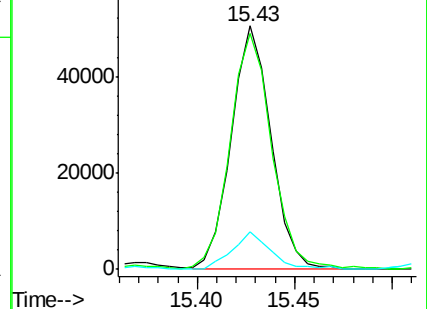
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 29.96 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

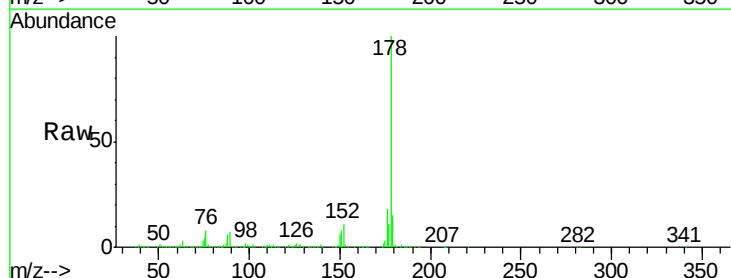
Tgt Ion:178 Resp: 1482351

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

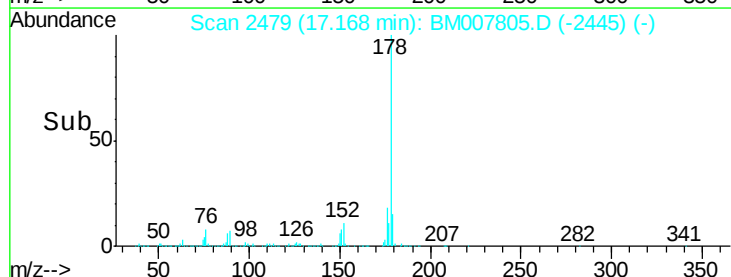
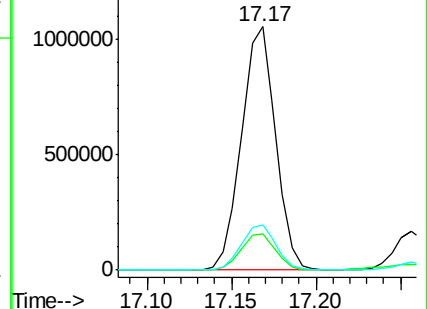
176 18.5 15.1 22.7

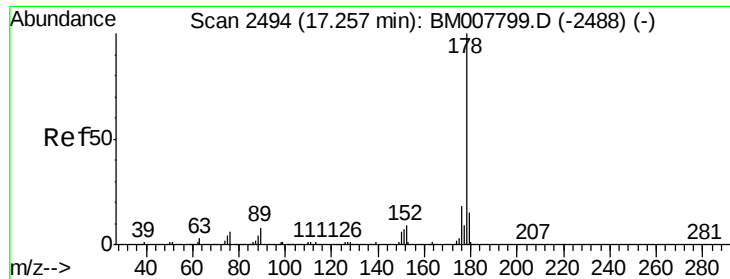


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





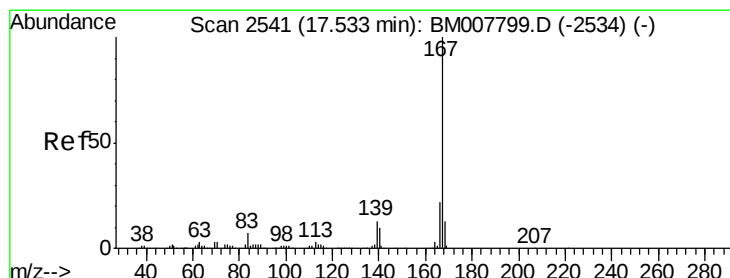
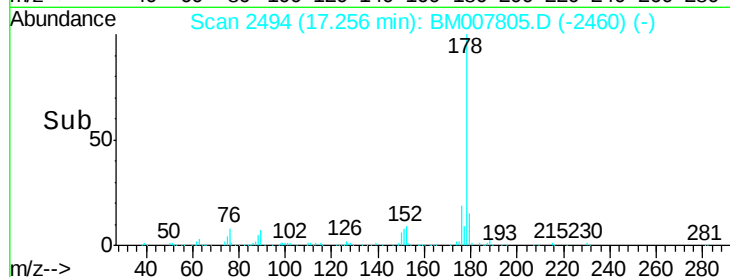
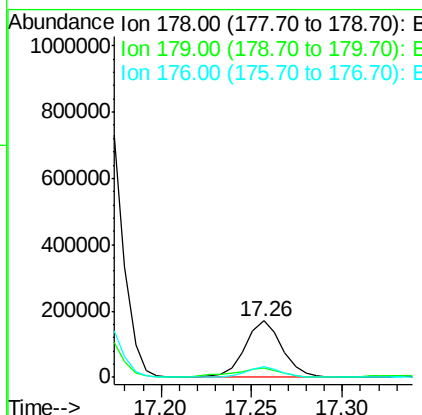
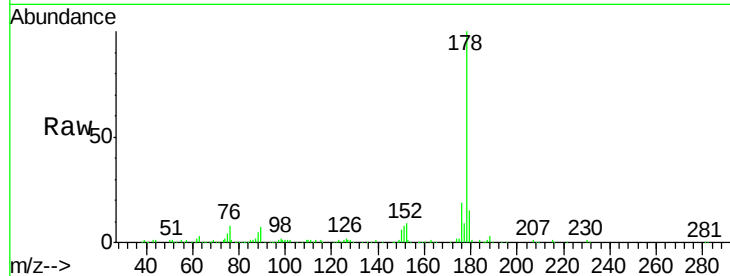
#71
 Anthracene
 Concen: 4.72 ng/ul
 RT: 17.26 min Scan# 2494
 Delta R.T. -0.00 min
 Lab File: BM007805.D
 Acq: 09 Nov 2016 19:54

Instrument :
 BNA_M
 ClientSampled :
 E5N90

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		237968		
179	15.5	12.1	18.1		
176	19.0	14.5	21.7		

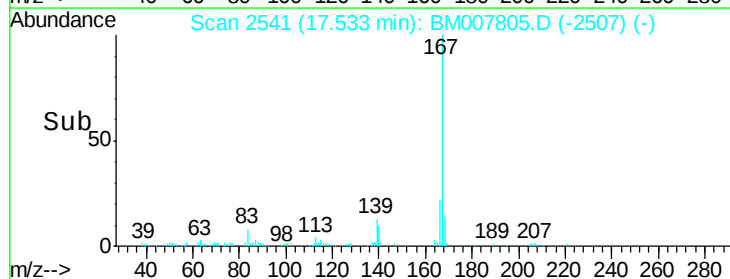
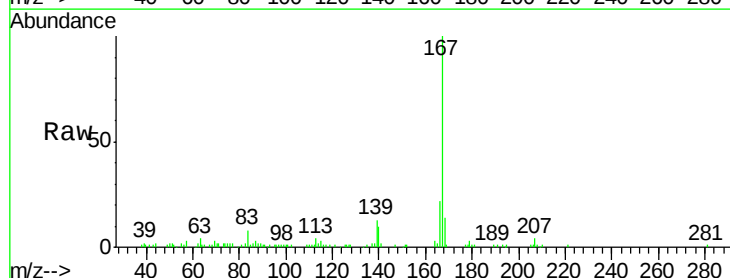
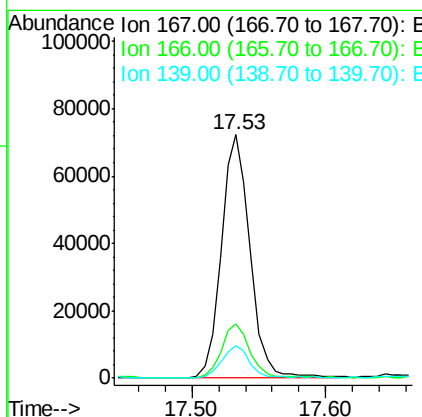
Manual Integrations
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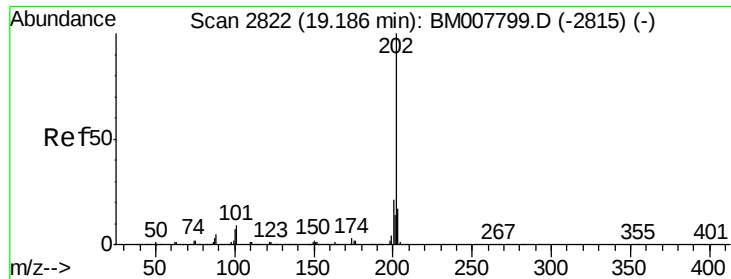
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#72
 Carbazole
 Concen: 2.49 ng/ul
 RT: 17.53 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BM007805.D
 Acq: 09 Nov 2016 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100		108788		
166	22.2	16.6	25.0		
139	13.3	10.2	15.4		





#74

Fluoranthene

Concen: 44.04 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Instrument :

BNA_M

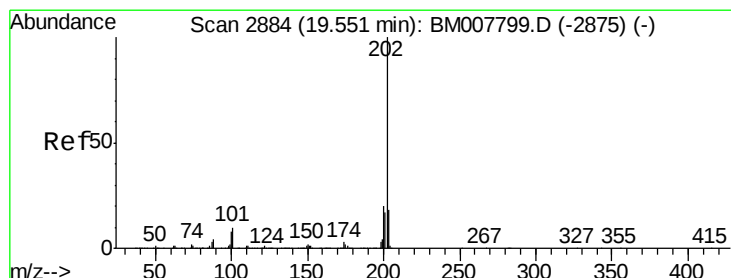
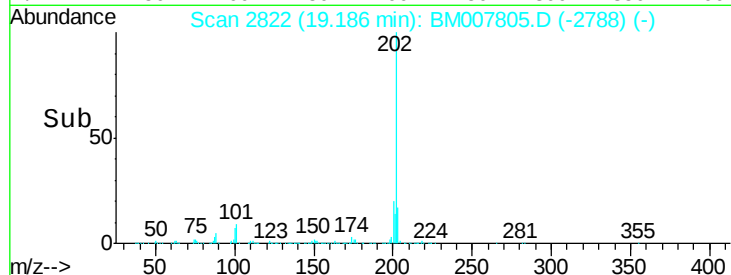
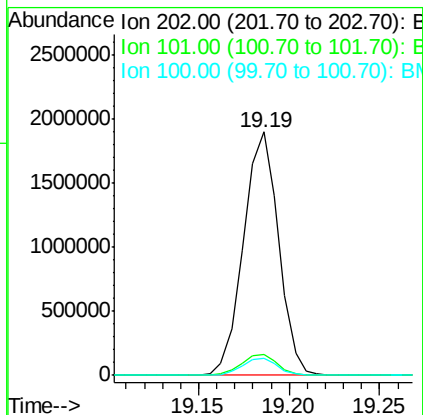
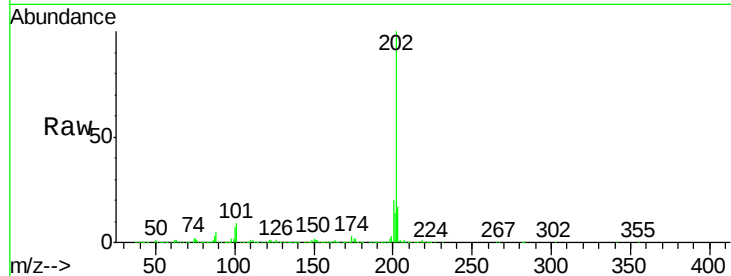
ClientSampleId :

E5N90

Tot Ion:	202	Resp:	2548227
Ion Ratio	Lower	Upper	
202	100		
101	8.8	6.9	10.3
100	6.8	5.4	8.0

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#77

Pyrene

Concen: 33.78 ng/ul

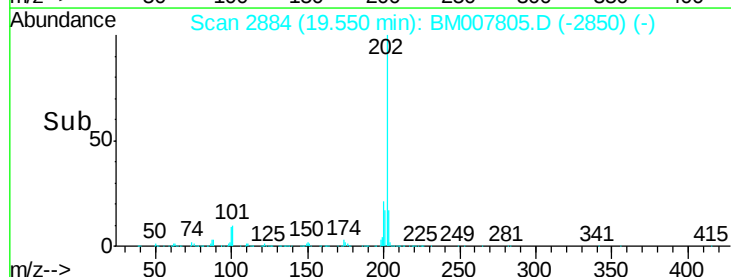
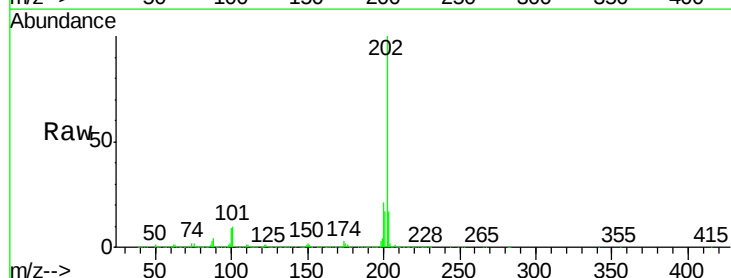
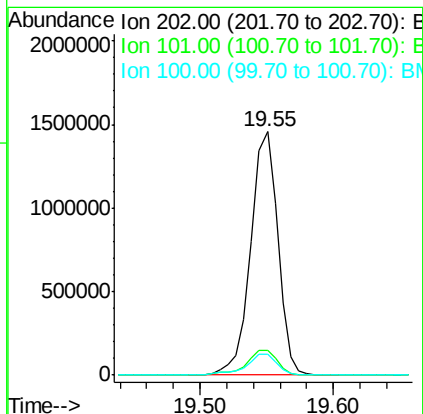
RT: 19.55 min Scan# 2884

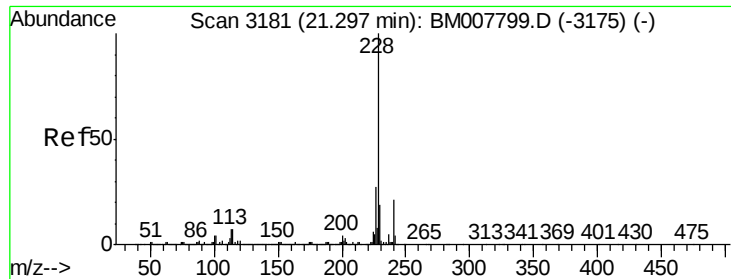
Delta R.T. -0.00 min

Lab File: BM007805.D

Acq: 09 Nov 2016 19:54

Tgt Ion:	202	Resp:	2037586
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.4	12.6
100	8.6	6.9	10.3





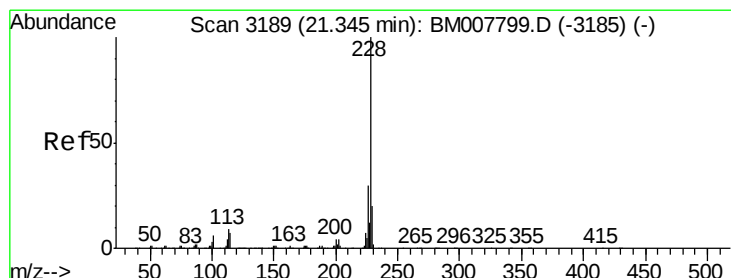
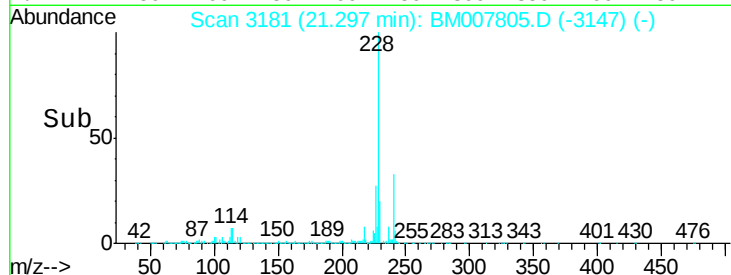
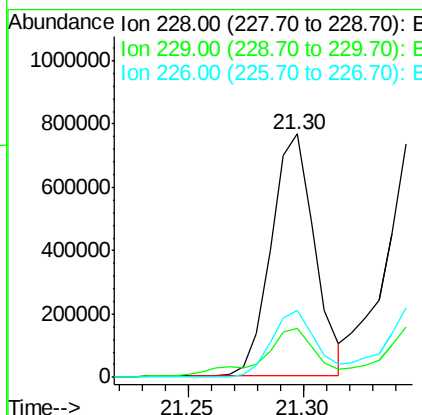
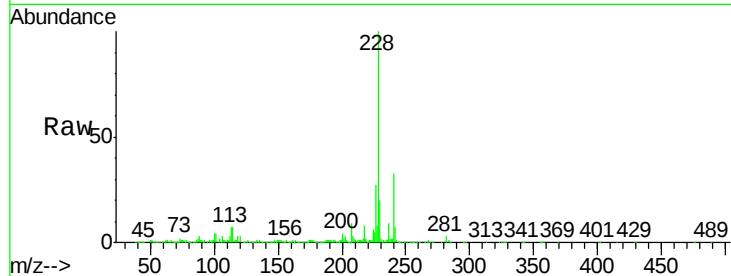
#80
Benzo(a)anthracene
Concen: 16.06 ng/ul
RT: 21.30 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Instrument :
BNA_M
ClientSampled :
E5N90

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.6	23.4
226	27.3	21.8	32.8

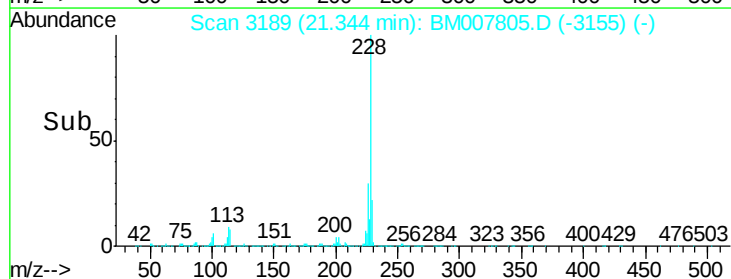
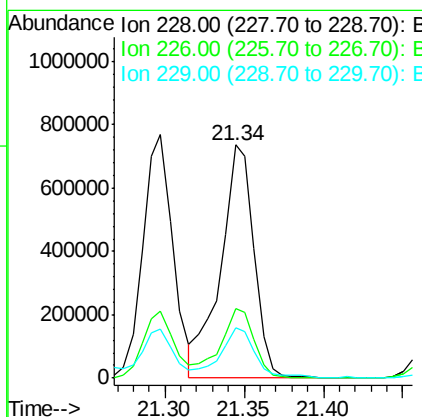
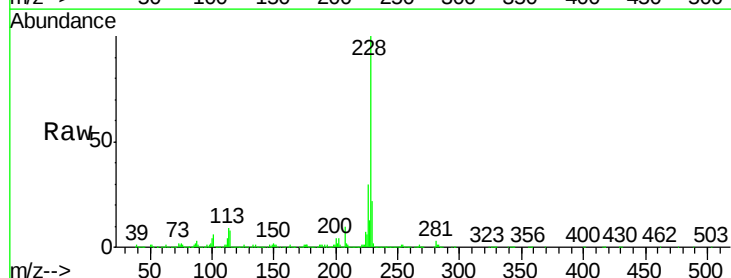
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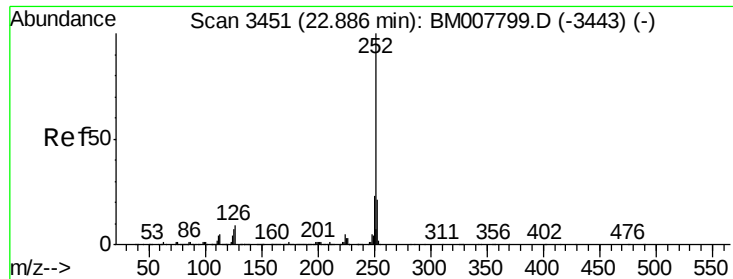
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#82
Chrysene
Concen: 17.83 ng/ul
RT: 21.34 min Scan# 3189
Delta R.T. -0.00 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	21.8	15.5	23.3





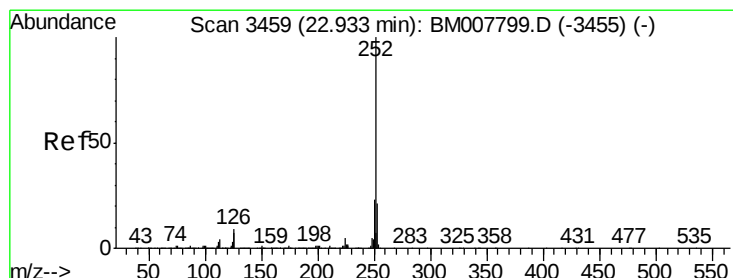
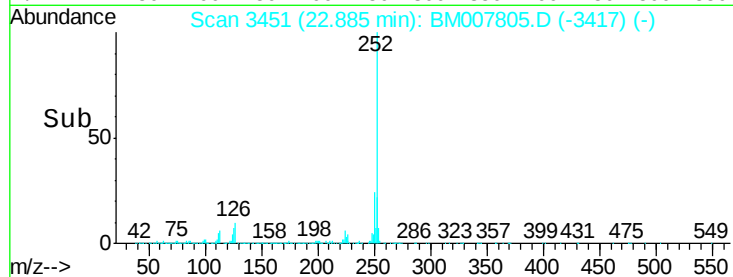
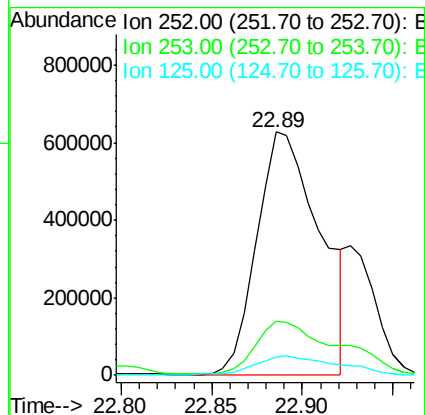
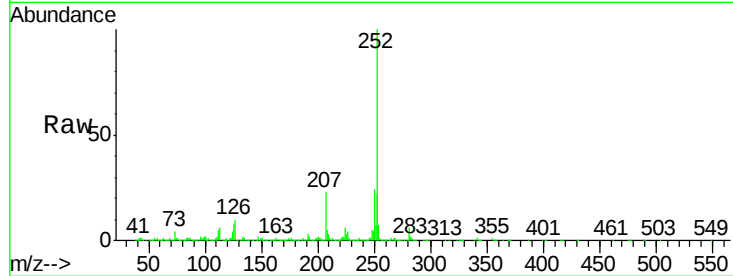
#85
Benzo(b)fluoranthene
Concen: 21.93 ng/ul
RT: 22.89 min Scan# 3451
Delta R.T. -0.00 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Instrument :
BNA_M
ClientSampled :
E5N90

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	7.6	5.8	8.8

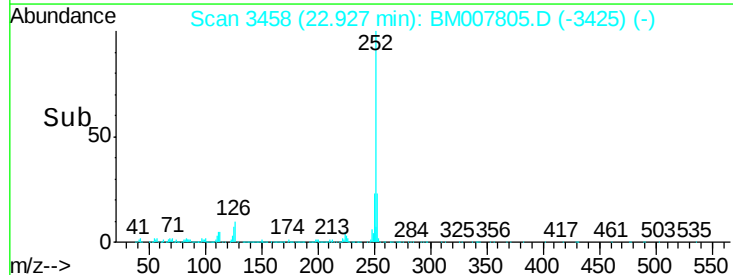
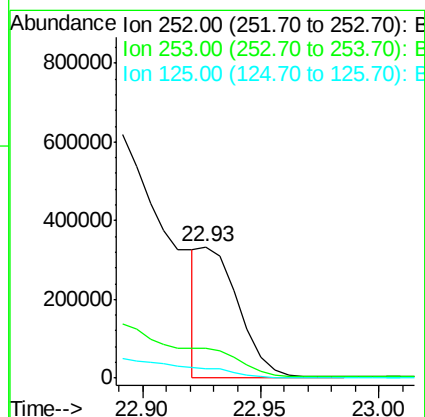
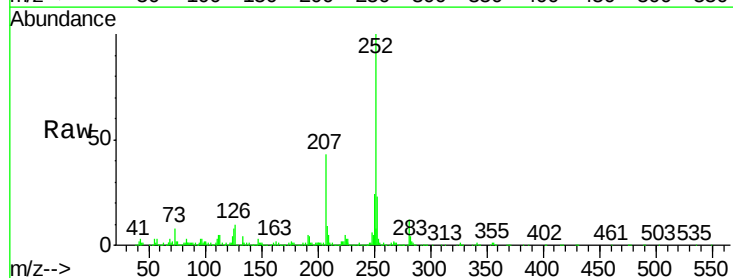
Manual Integrations
APPROVED

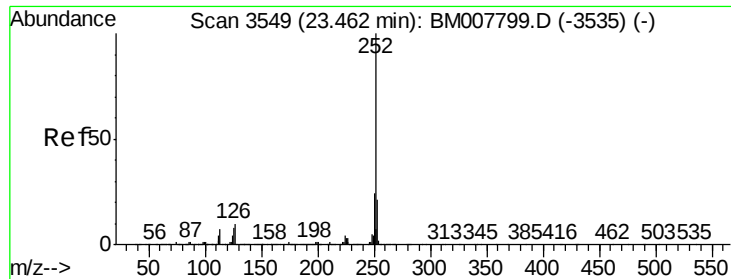
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#86
Benzo(k)fluoranthene
Concen: 6.05 ng/ul m
RT: 22.93 min Scan# 3458
Delta R.T. -0.01 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	7.6	5.7	8.5





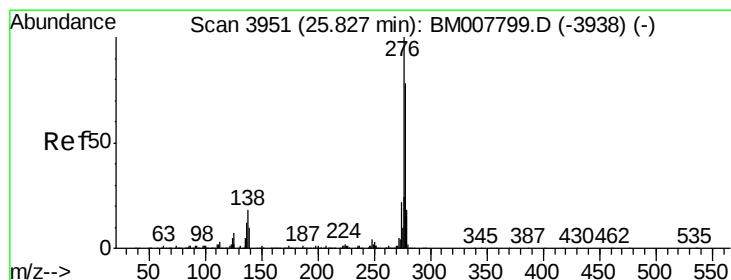
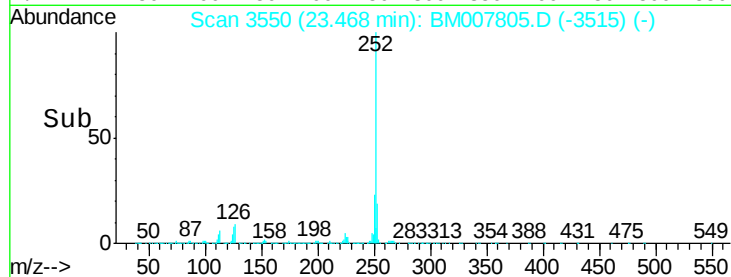
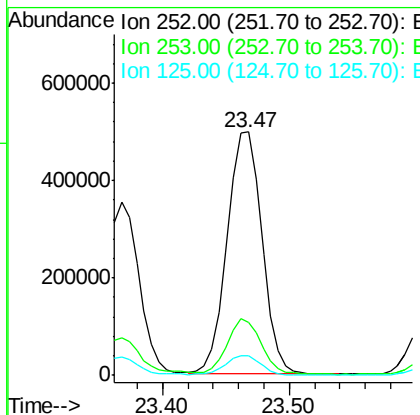
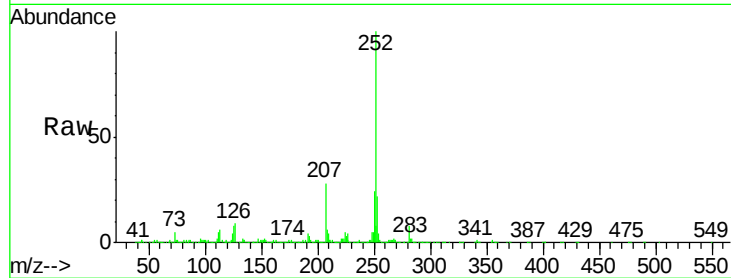
#88
Benzo(a)pyrene
Concen: 14.59 ng/ul
RT: 23.47 min Scan# 3550
Delta R.T. 0.01 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Instrument :
BNA_M
ClientSampleId :
E5N90

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	8.0	6.6	9.8

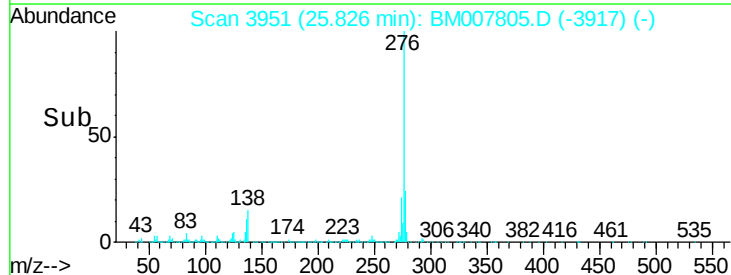
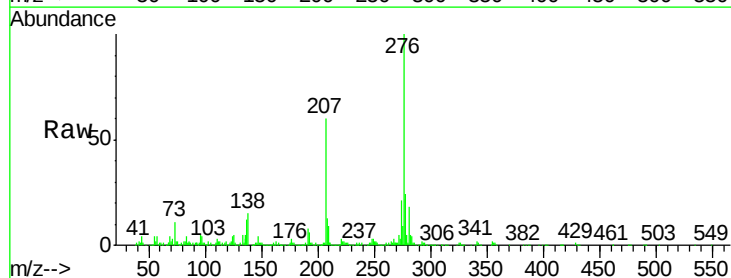
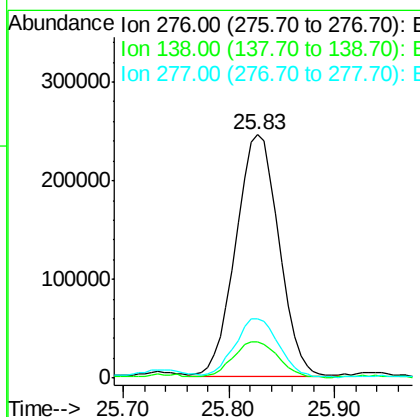
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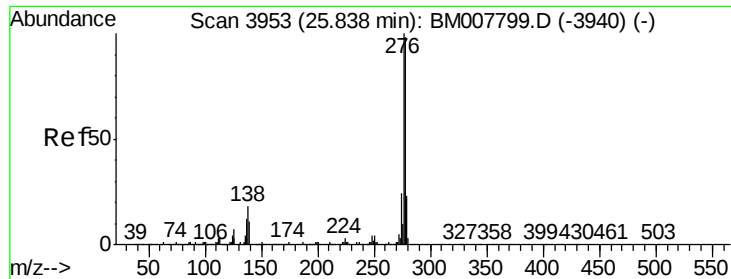
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#89
Indeno(1,2,3-cd)pyrene
Concen: 8.96 ng/ul
RT: 25.83 min Scan# 3951
Delta R.T. -0.00 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	13.9	20.9
277	24.4	20.1	30.1





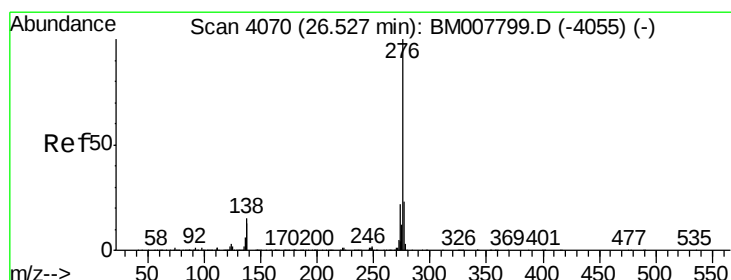
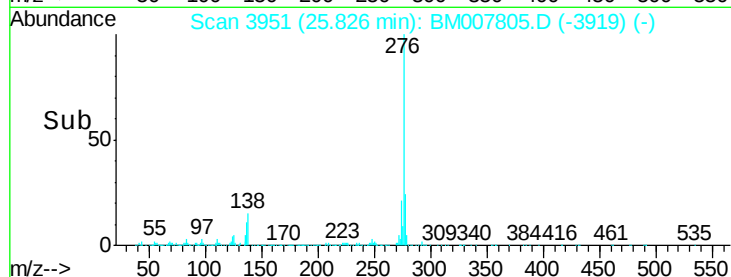
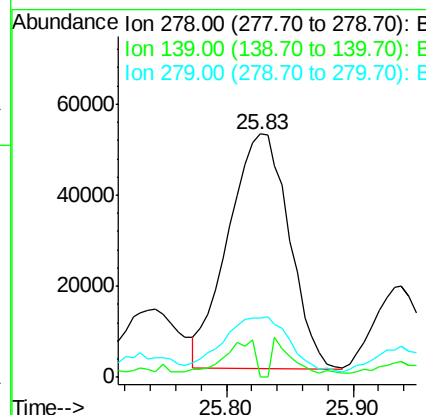
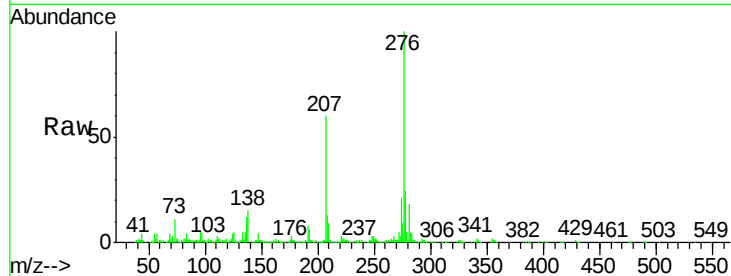
#90
Dibenzo(a,h)anthracene
Concen: 2.61 ng/ul
RT: 25.83 min Scan# 3951
Delta R.T. -0.01 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Instrument :
BNA_M
ClientSampleId :
E5N90

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.5	14.3#
279	24.6	19.1	28.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.97 ng/ul
RT: 26.53 min Scan# 4070
Delta R.T. -0.00 min
Lab File: BM007805.D
Acq: 09 Nov 2016 19:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	13.5	20.3
277	24.1	19.3	28.9

