

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013793.D
 Acq On : 25 Jan 2018 06:10
 Operator : SJ/JU
 Sample : J1222-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A97

Manual Integrations
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Sohil
 1/25/2018 5:35:54 PM

Quant Time: Jan 25 10:31:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	175494	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	669852	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	367156	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	765962	20.00	ng/ul	0.00
75) Chrysene-d12	21.20	240	795950	20.00	ng/ul	0.00
83) Perylene-d12	23.40	264	822440	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	10180	2.29	ng/uL	0.00
5) Phenol-d5	6.78	99	253227	18.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	161445	19.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	225976	20.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	110027	10.62	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	117196	22.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	135899	24.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	224522	21.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	238773	25.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	703450	23.25	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	888842	23.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	95980	19.52	ng/ul	0.00
57) Fluorene-d10	15.24	176	594119	22.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	74083	16.07	ng/ul	0.00
70) Anthracene-d10	17.10	188	905927	24.28	ng/ul	0.00
76) Pyrene-d10	19.40	212	1007813	27.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.26	264	955171	25.27	ng/ul	0.00
Target Compounds						
6) Phenol	6.80	94	42485	3.144	ng/ul#	87
28) Naphthalene	10.42	128	56681	1.701	ng/ul	97
34) 2-Methylnaphthalene	12.04	142	77001	3.099	ng/ul	96
40) 1,1'-Biphenyl	13.07	154	56083	1.835	ng/ul#	87
44) Dimethylphthalate	13.71	163	199628	6.710	ng/ul	97
49) Acenaphthene	14.31	153	406022	16.605	ng/ul	98
53) Dibenzofuran	14.65	168	272468	7.407	ng/ul	94
55) 2,3,4,6-Tetrachlorophenol	14.89	232	78509	10.186	ng/ul#	84
58) Fluorene	15.30	166	274513	9.110	ng/ul	98
68) Pentachlorophenol	16.66	266	2199578	425.061	ng/ul	97
69) Phenanthrene	17.04	178	1495816	35.132	ng/ul	99
71) Anthracene	17.14	178	308382m	7.022	ng/ul	
74) Fluoranthene	19.07	202	5551703	109.236	ng/ul#	94
77) Pyrene	19.44	202	4278859	88.428	ng/ul#	95
80) Benzo(a)anthracene	21.19	228	728560	15.148	ng/ul	97
82) Chrysene	21.24	228	741483	16.805	ng/ul	98
85) Benzo(b)fluoranthene	22.74	252	370028	7.326	ng/ul#	84
86) Benzo(k)fluoranthene	22.79	252	118439	2.426	ng/ul#	86
88) Benzo(a)pyrene	23.30	252	177008	3.710	ng/ul#	89

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

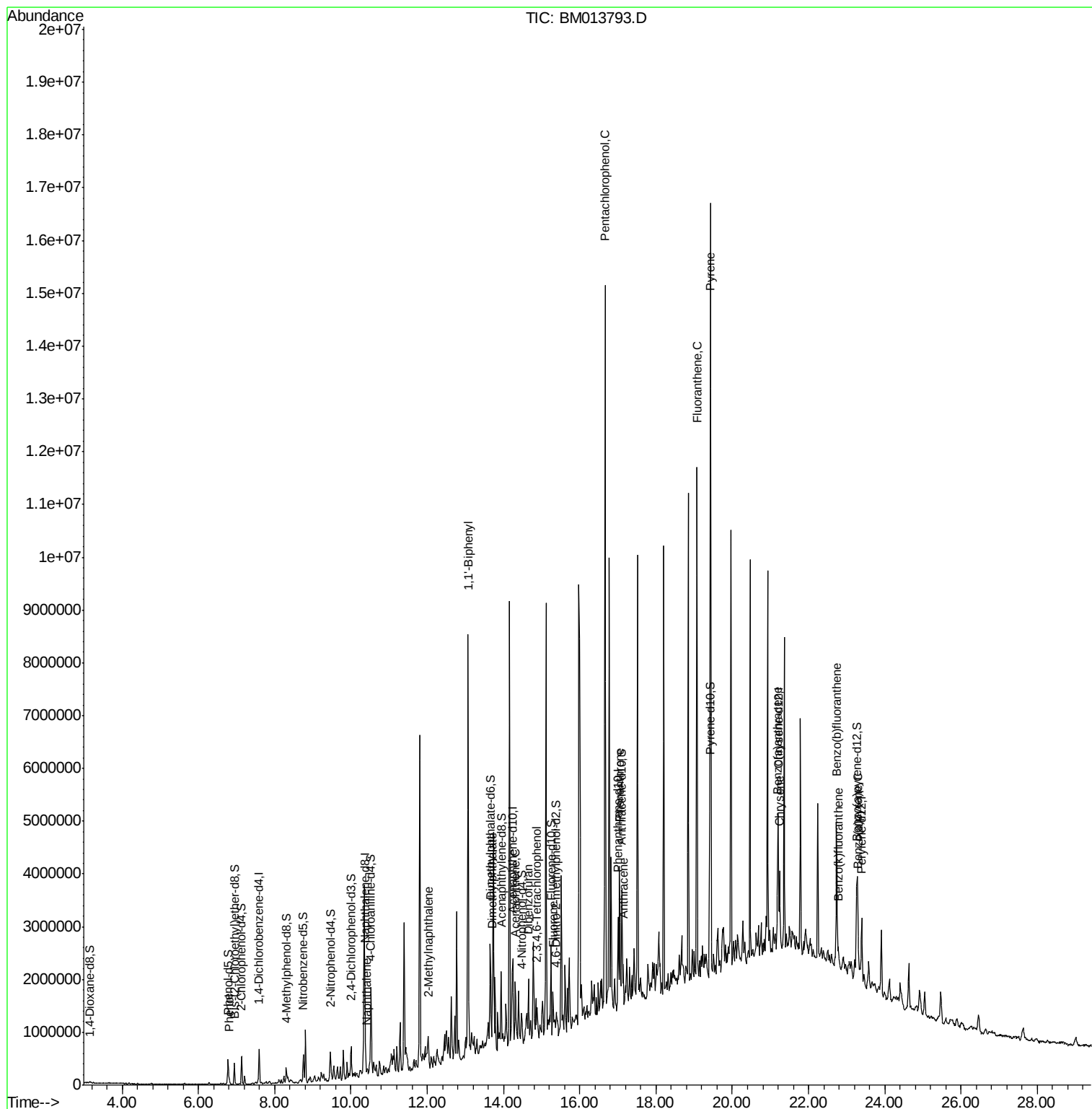
Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013793.D
Acq On : 25 Jan 2018 06:10
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Misc :
ALS Vial : 27 Sample Multiplier: 1

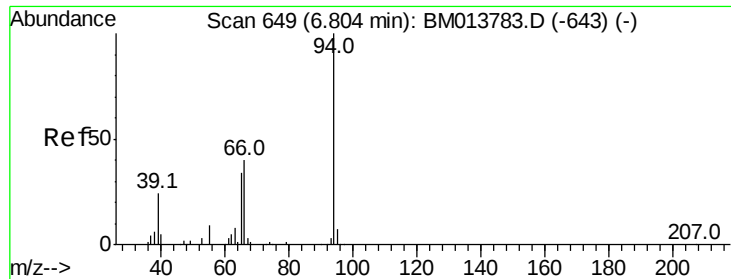
Instrument :
BNA_M
ClientSampleId :
F6A97

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Quant Time: Jan 25 10:31:26 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jan 25 03:36:03 2018
Response via : Initial Calibration





#6

Phenol

Concen: 3.144 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

F6A97

Tot Ion: 94 Resp: 42485

Ion Ratio Lower Upper

94 100

65 27.6 28.2 42.4#

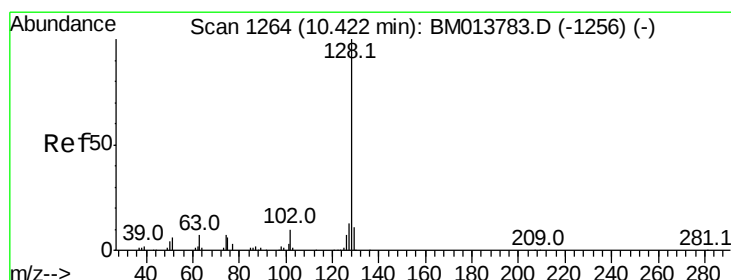
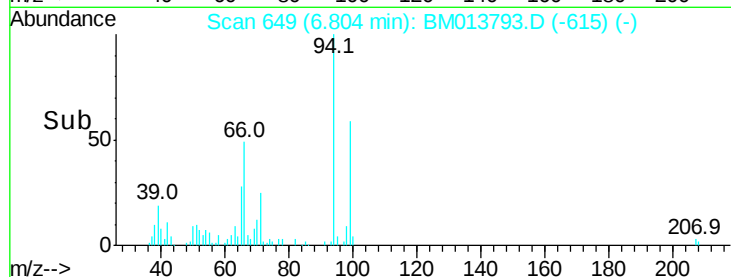
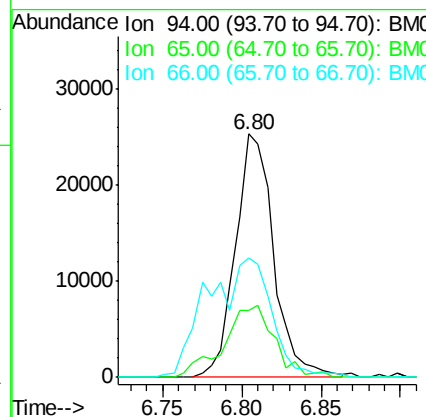
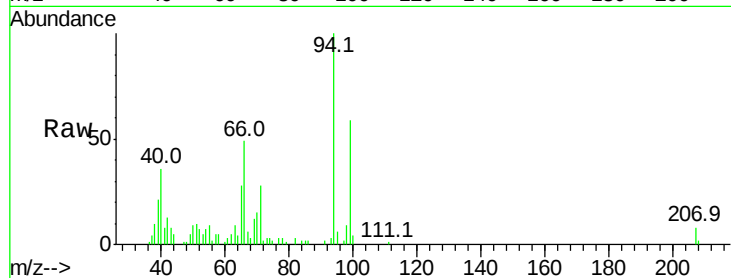
66 49.1 47.2 70.8

Manual Integrations

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#28

Naphthalene

Concen: 1.701 ng/ul

RT: 10.42 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

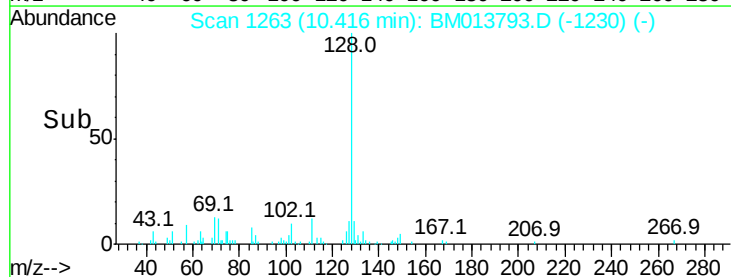
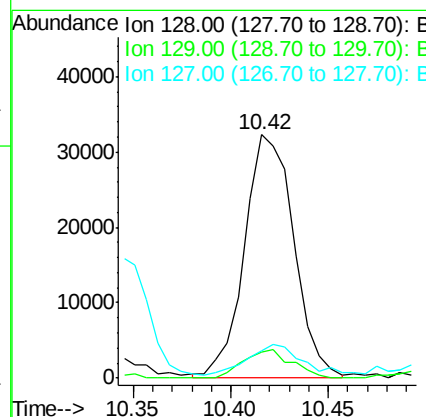
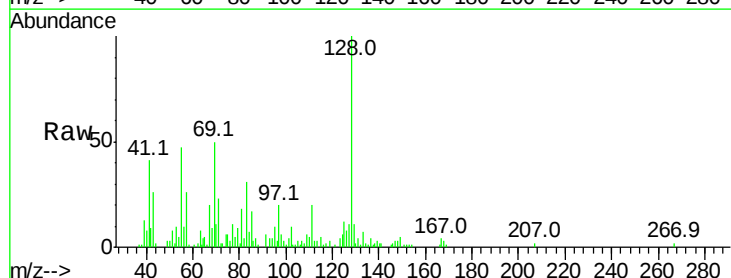
Tgt Ion: 128 Resp: 56681

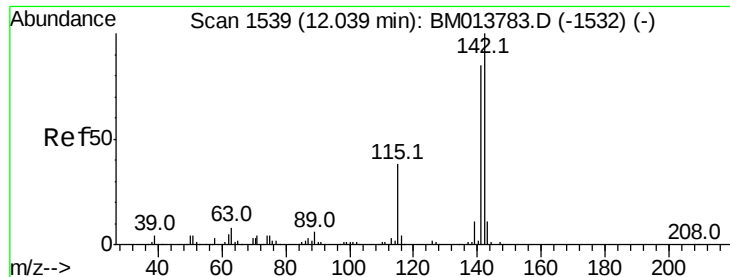
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 11.3 10.6 16.0





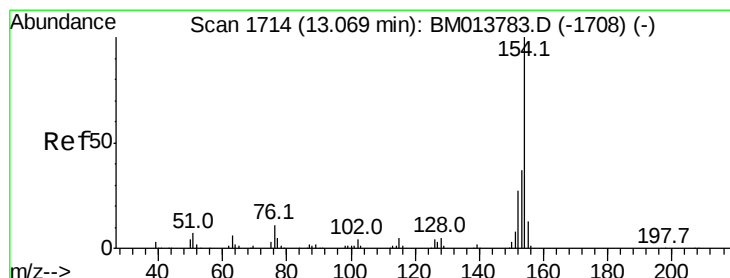
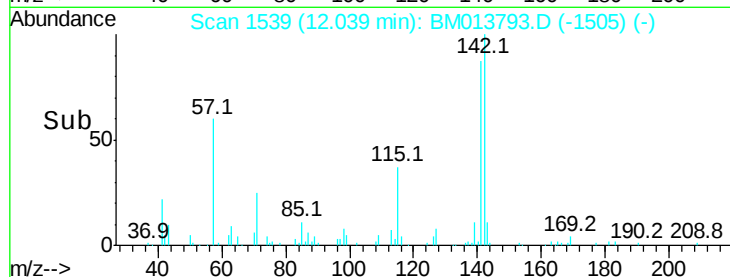
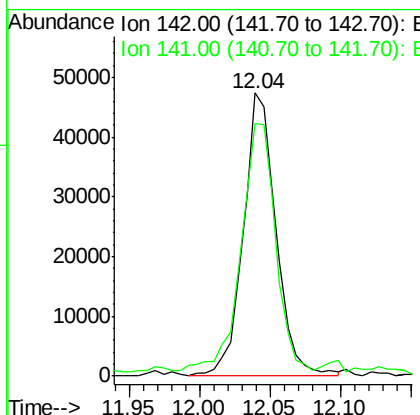
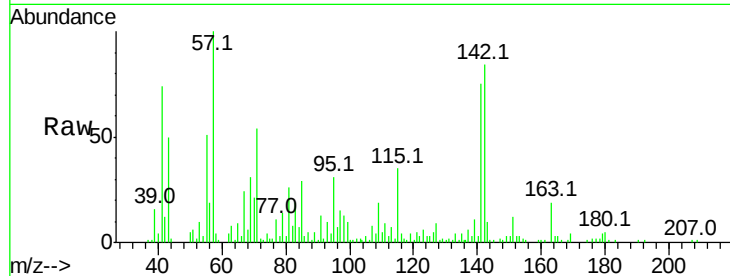
#34
2-Methylnaphthalene
Concen: 3.099 ng/ul
RT: 12.04 min Scan# 1539
Delta R.T. 0.00 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Instrument :
BNA_M
ClientSampled :
F6A97

Tot Ion:142 Resp: 77001
Ion Ratio Lower Upper
142 100
141 89.1 74.1 111.1

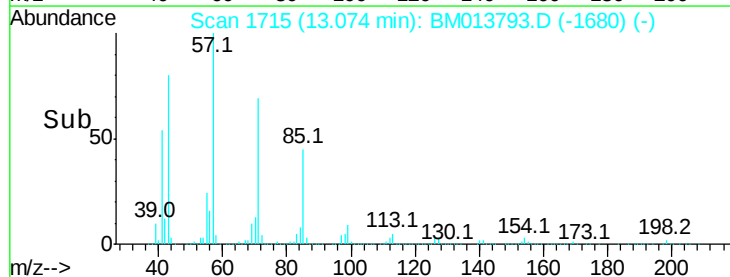
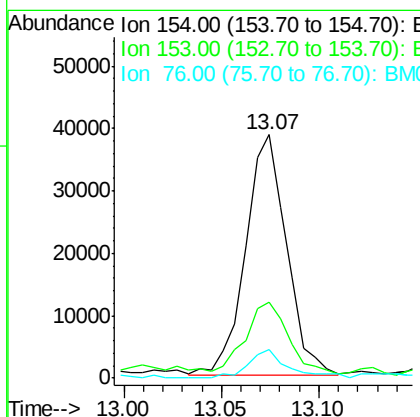
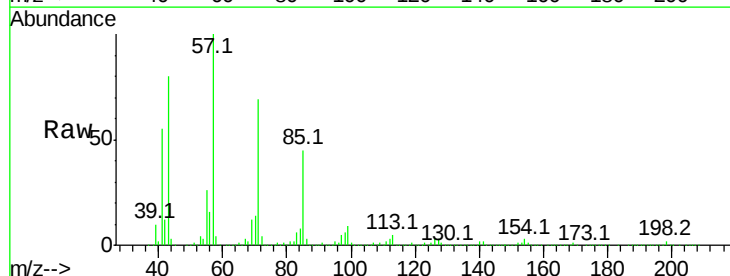
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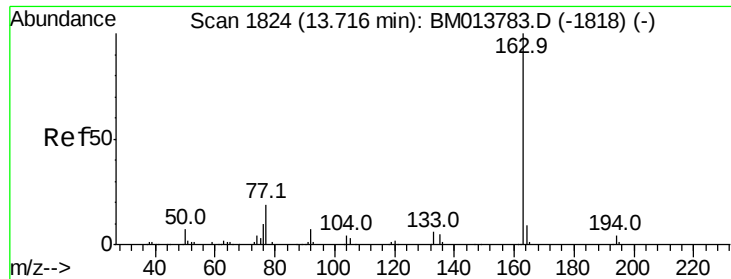
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#40
1,1'-Biphenyl
Concen: 1.835 ng/ul
RT: 13.07 min Scan# 1715
Delta R.T. 0.01 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Tgt Ion:154 Resp: 56083
Ion Ratio Lower Upper
154 100
153 31.2 32.6 48.8#
76 11.6 8.5 12.7





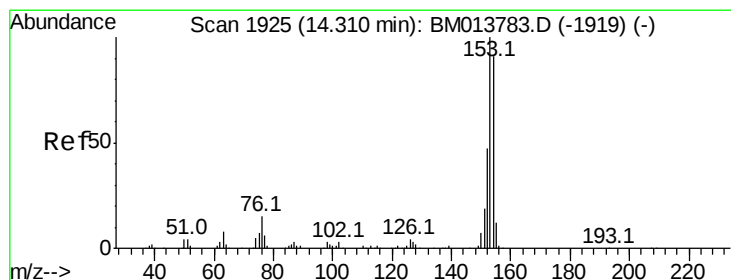
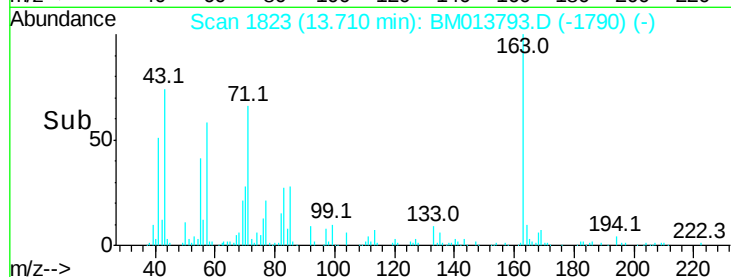
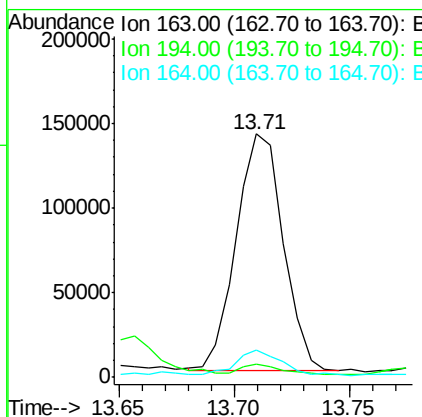
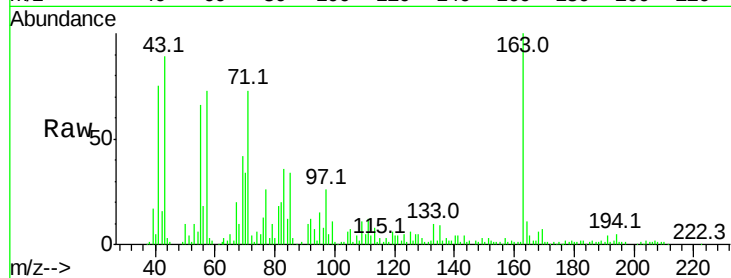
#44
Dimethylphthalate
Concen: 6.710 ng/ul
RT: 13.71 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Instrument :
BNA_M
ClientSampleId :
F6A97

Tot Ion	Ratio	Resp	Lower	Upper
163	100	199628		
194	5.2		3.5	5.3
164	11.4		8.2	12.4

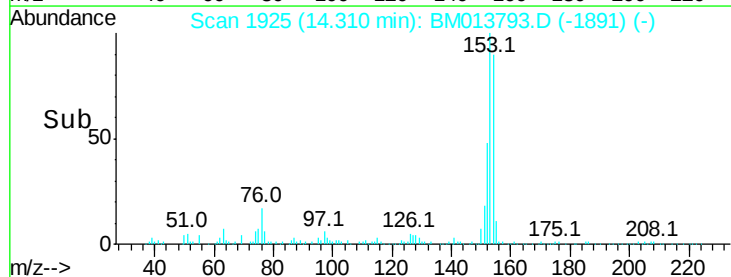
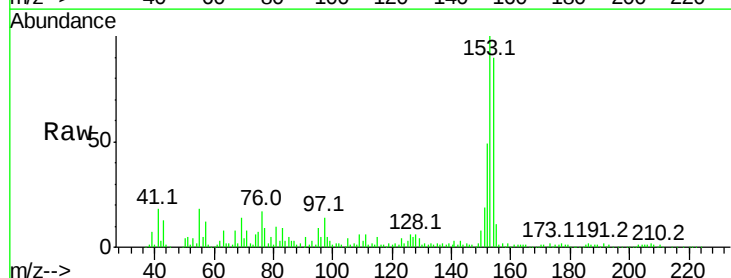
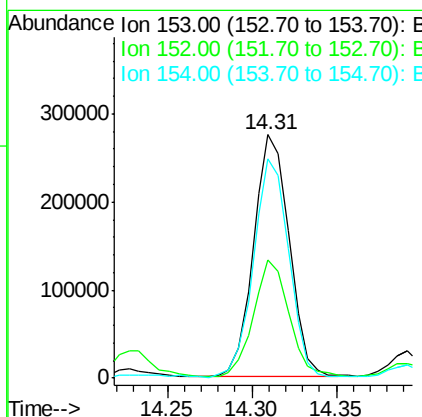
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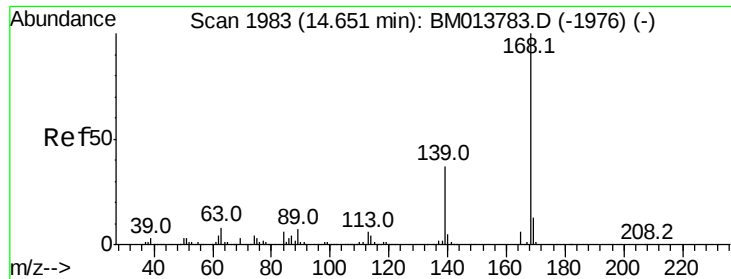
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#49
Acenaphthene
Concen: 16.605 ng/ul
RT: 14.31 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	406022		
152	48.7		37.6	56.4
154	90.0		70.4	105.6





#53

Dibenzofuran

Concen: 7.407 ng/ul

RT: 14.65 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampled :

F6A97

Tot Ion:168 Resp: 272468

Ion Ratio Lower Upper

168 100

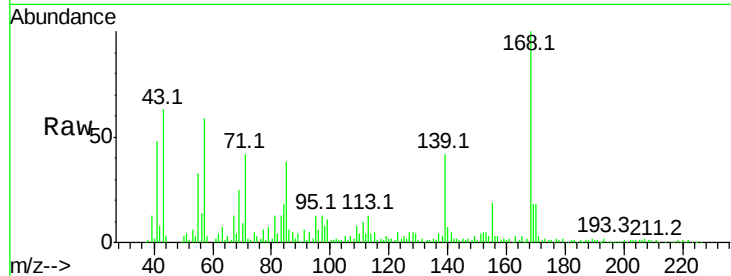
139 41.9 30.8 46.2

Manual Integrations

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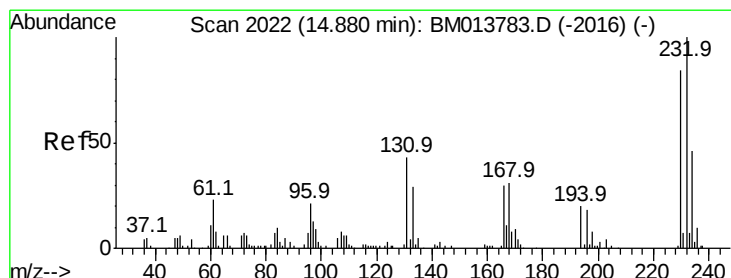
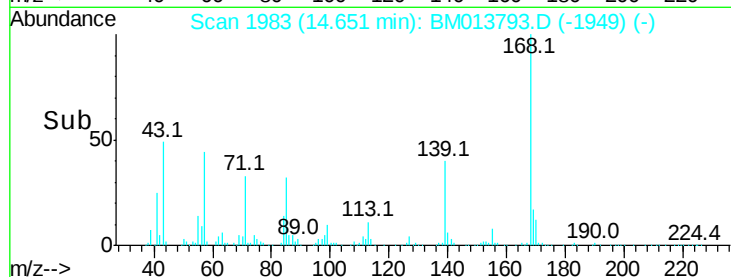
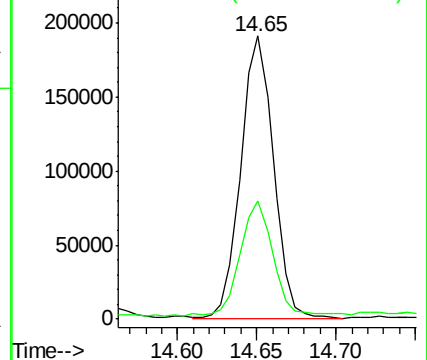
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 10.186 ng/ul

RT: 14.89 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Tgt Ion:232 Resp: 78509

Ion Ratio Lower Upper

232 100

131 51.5 29.0 43.4#

130 6.3 2.0 3.0#

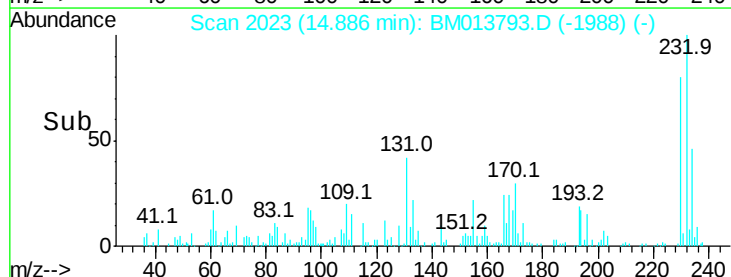
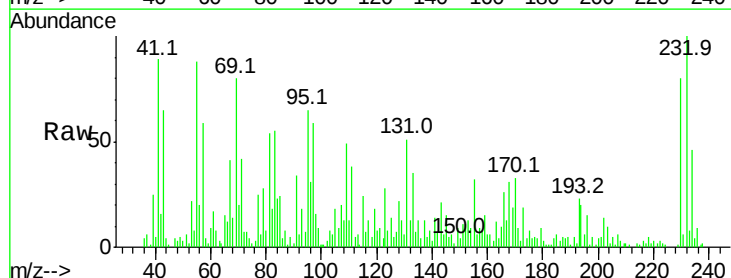
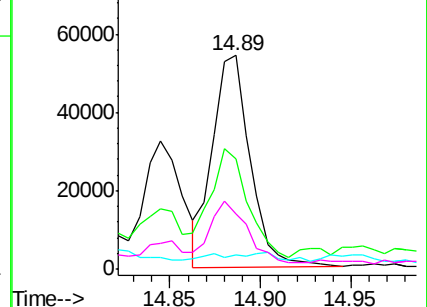
166 25.7 21.4 32.2

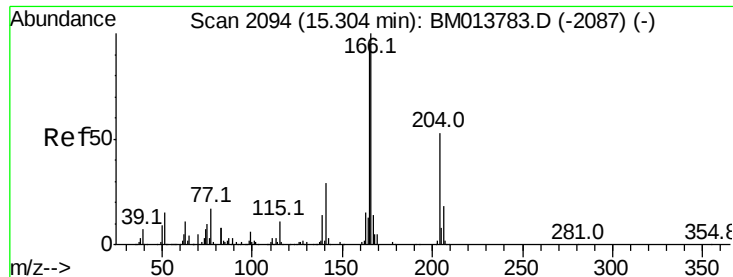
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





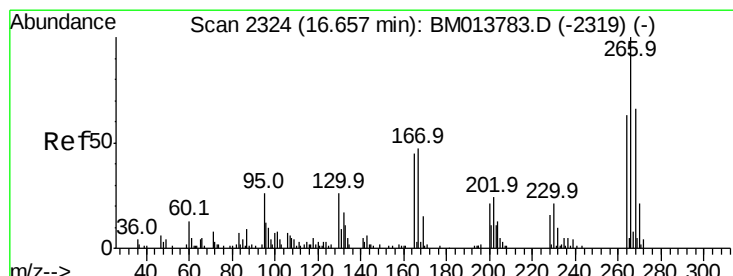
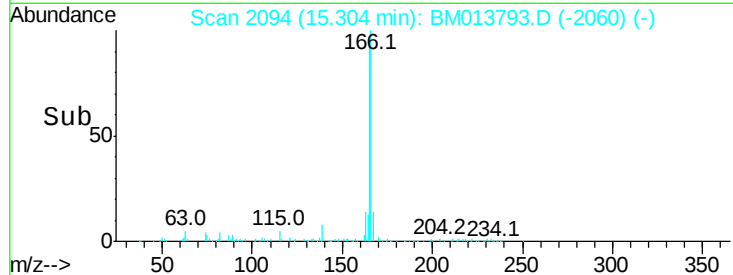
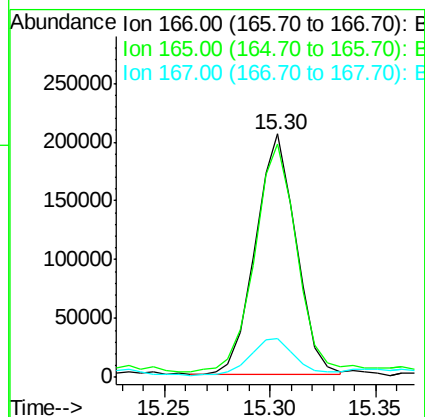
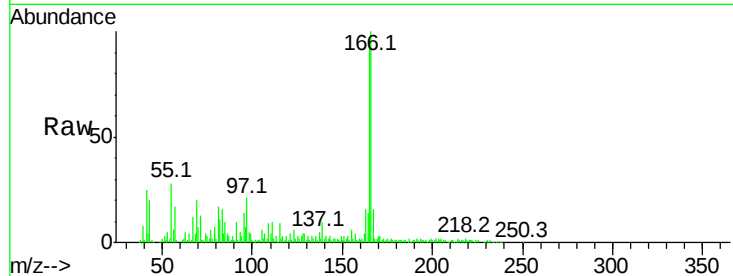
#58
 Fluorene
 Concen: 9.110 ng/ul
 RT: 15.30 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: BM013793.D
 Acq: 25 Jan 2018 06:10

Instrument :
 BNA_M
 ClientSampled :
 F6A97

Tot Ion	Ratio	Resp	Lower	Upper
166	100	274513		
165	96.1		77.9	116.9
167	15.9		10.6	16.0

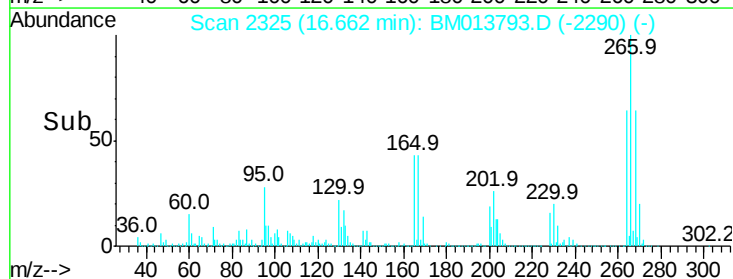
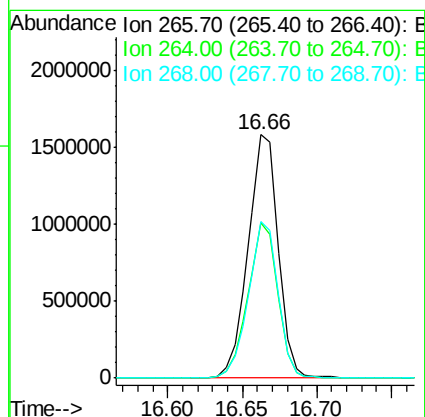
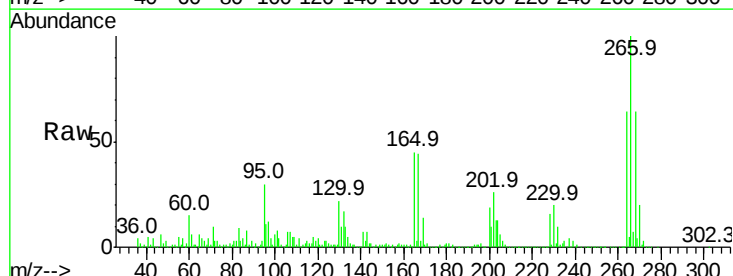
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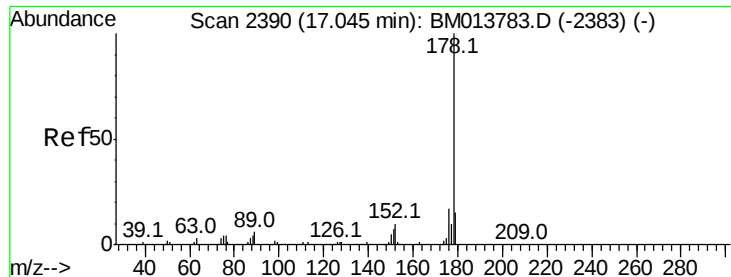
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#68
 Pentachlorophenol
 Concen: 425.061 ng/ul
 RT: 16.66 min Scan# 2325
 Delta R.T. 0.01 min
 Lab File: BM013793.D
 Acq: 25 Jan 2018 06:10

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	2199578		
264	64.0		49.3	73.9
268	64.1		52.6	78.8





#69

Phenanthrene

Concen: 35.132 ng/ul

RT: 17.04 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

F6A97

Tot Ion:178 Resp: 1495816

Ion Ratio Lower Upper

178 100

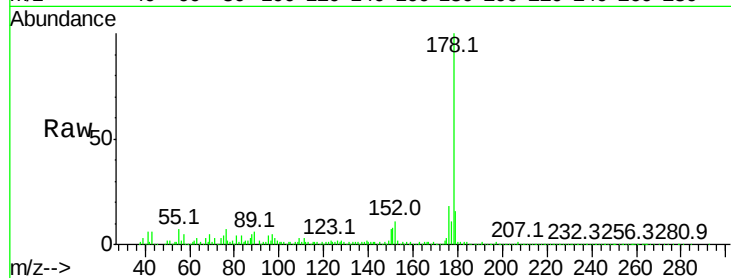
179 15.7 12.6 19.0

176 18.0 14.9 22.3

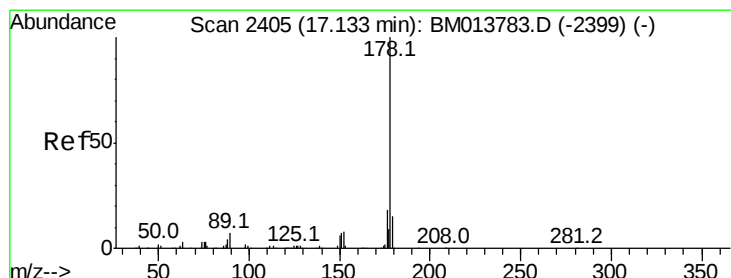
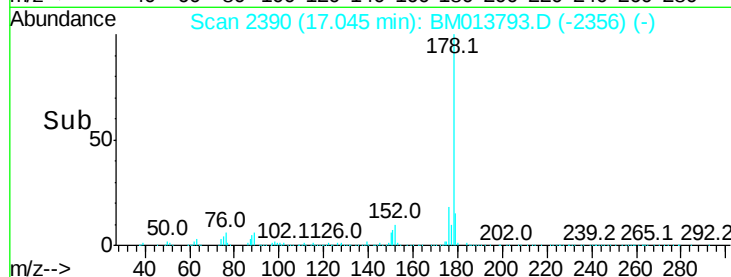
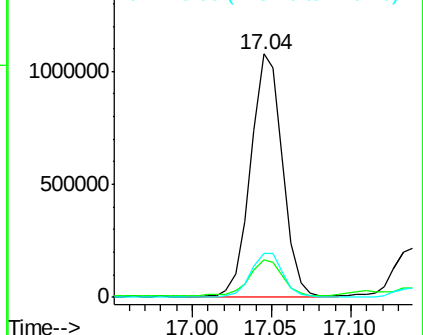
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7.022 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

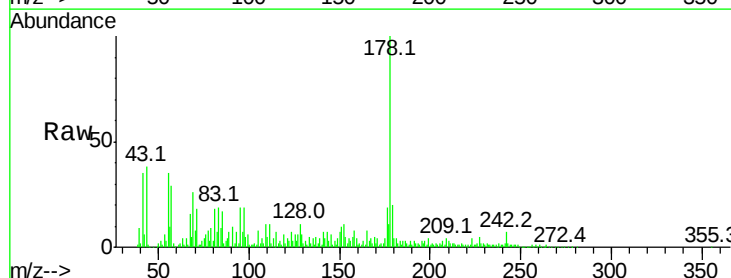
Tgt Ion:178 Resp: 308382

Ion Ratio Lower Upper

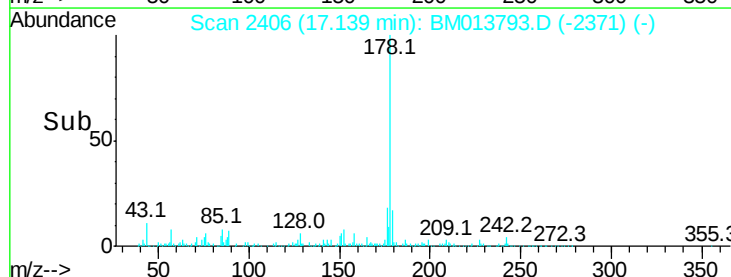
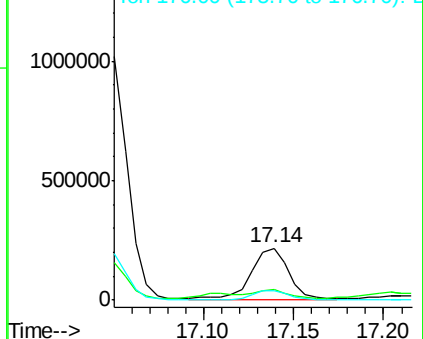
178 100

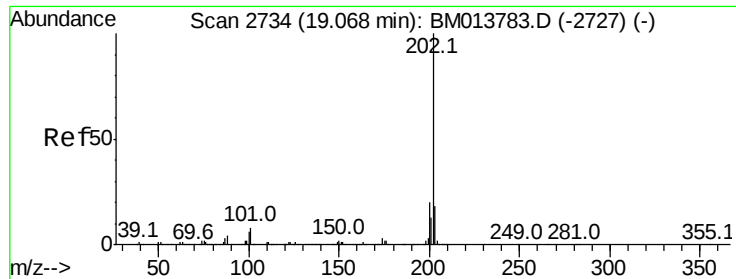
179 19.7 11.7 17.5#

176 19.2 14.6 21.8



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





#74

Fluoranthene

Concen: 109.236 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

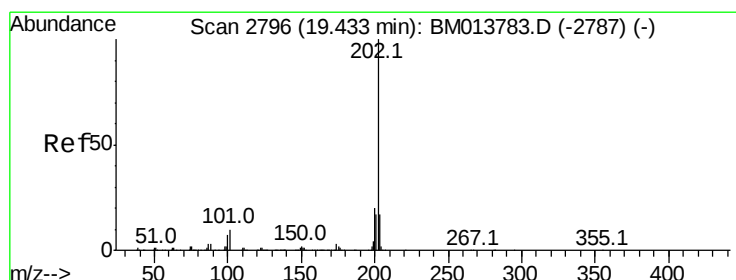
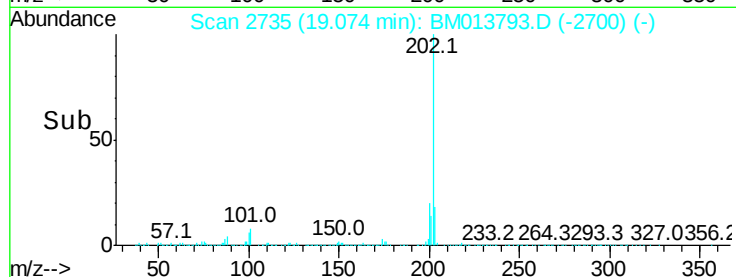
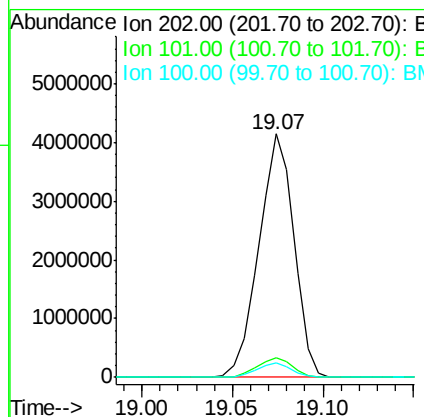
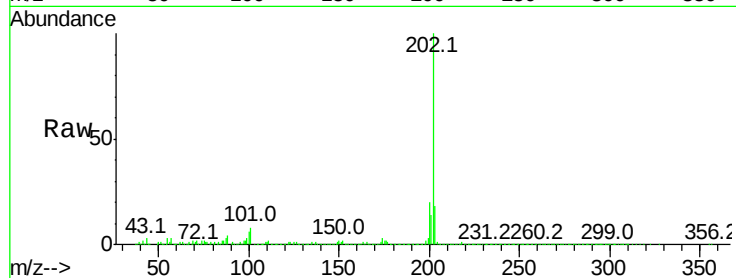
ClientSampleId :

F6A97

Tot Ion:	202	Resp:	5551703
Ion Ratio	Lower	Upper	
202	100		
101	8.0	4.6	7.0#
100	6.1	3.4	5.2#

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#77

Pyrene

Concen: 88.428 ng/ul

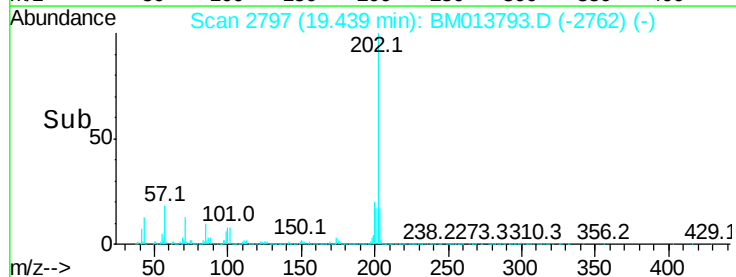
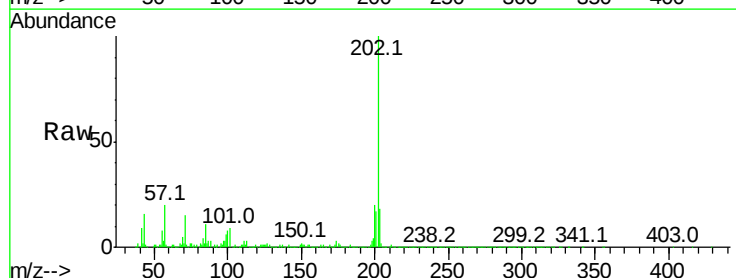
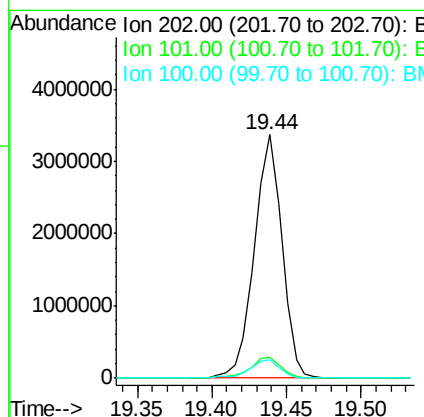
RT: 19.44 min Scan# 2797

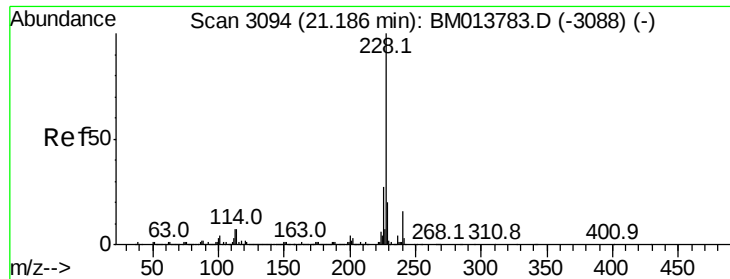
Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Tgt Ion:	202	Resp:	4278859
Ion Ratio	Lower	Upper	
202	100		
101	8.5	5.1	7.7#
100	7.6	4.9	7.3#





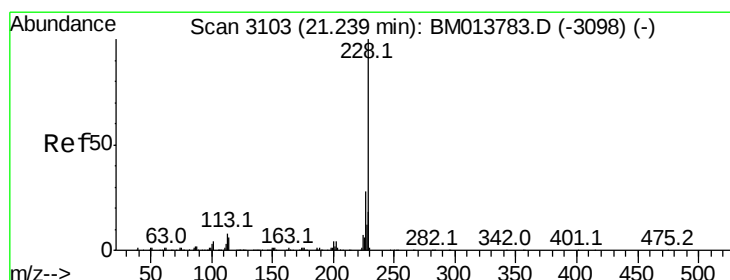
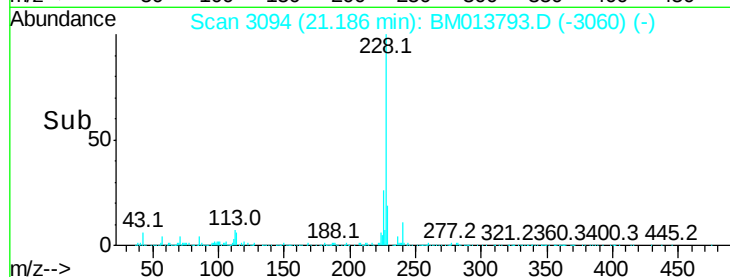
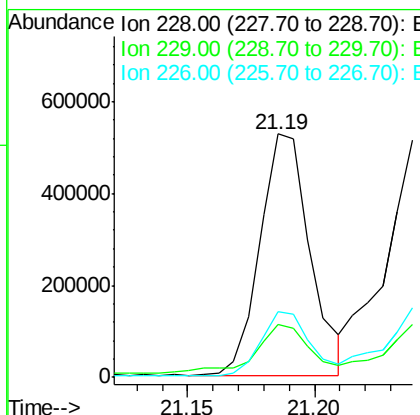
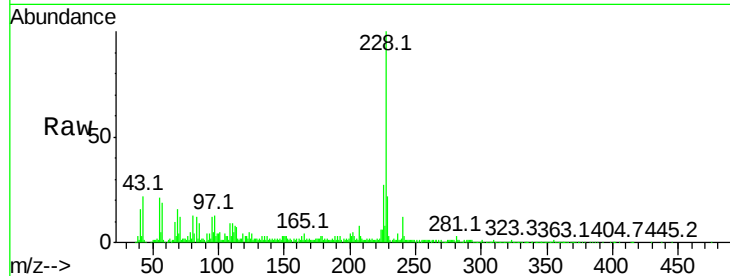
#80
Benzo(a)anthracene
Concen: 15.148 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. 0.00 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Instrument :
BNA_M
ClientSampleId :
F6A97

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.9	15.4	23.0
226	26.9	21.4	32.0

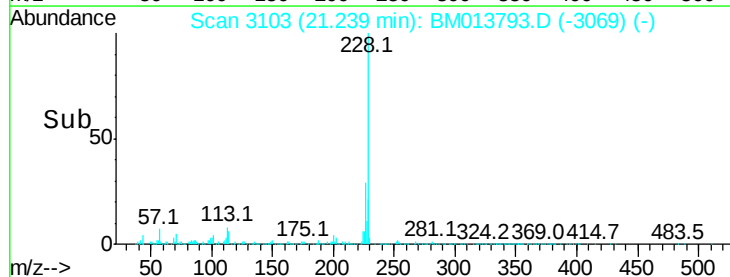
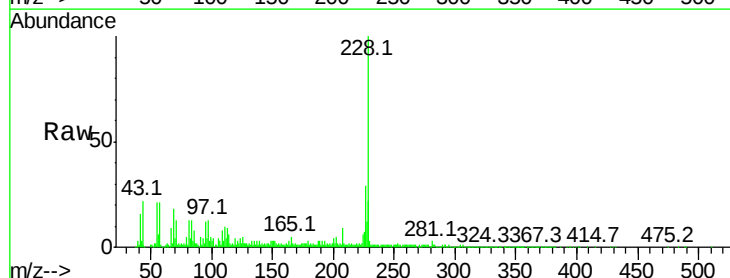
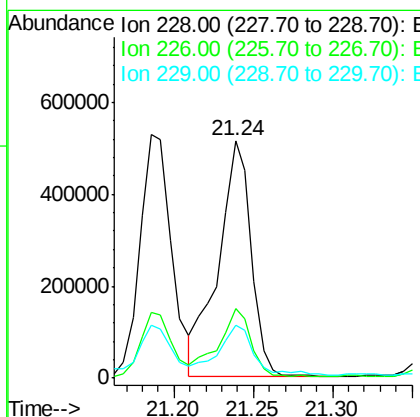
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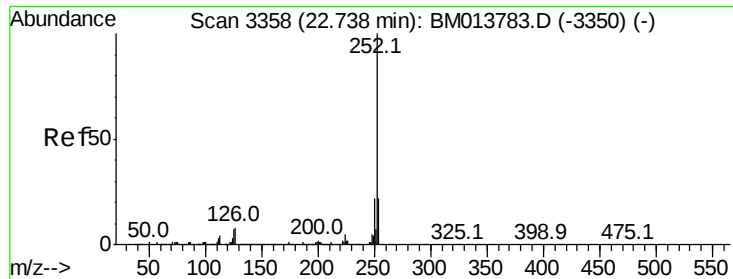
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#82
Chrysene
Concen: 16.805 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. 0.00 min
Lab File: BM013793.D
Acq: 25 Jan 2018 06:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	22.1	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 7.326 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.00 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

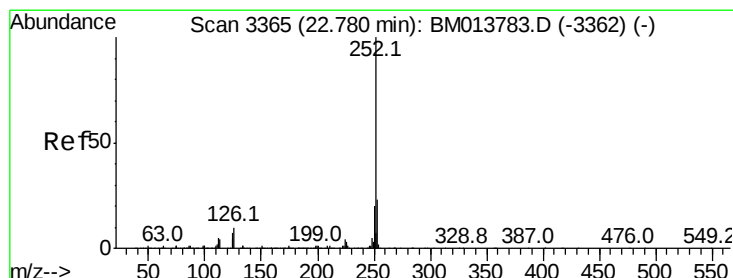
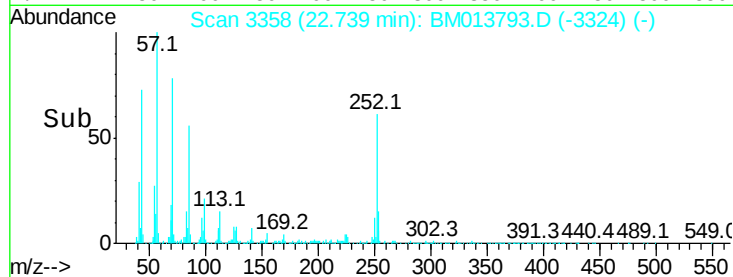
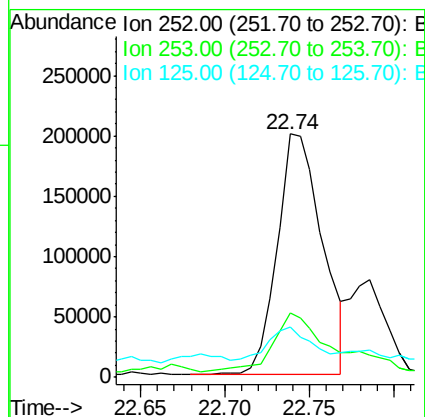
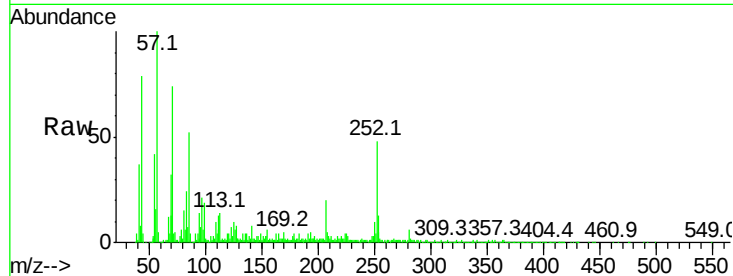
ClientSampled :

F6A97

Tot Ion:	252	Resp:	370028
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.9	26.9
125	20.9	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 2.426 ng/ul

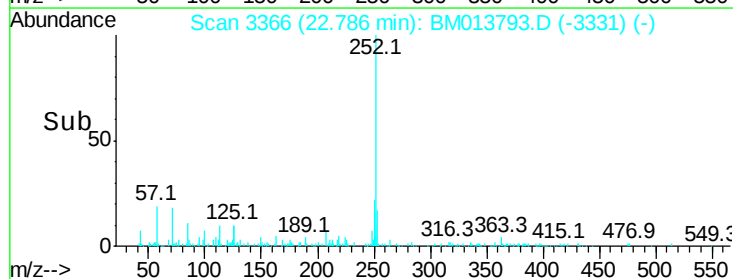
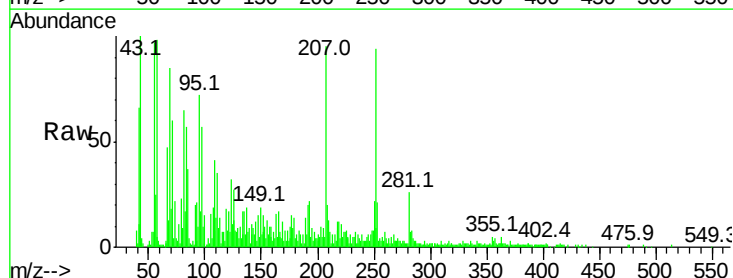
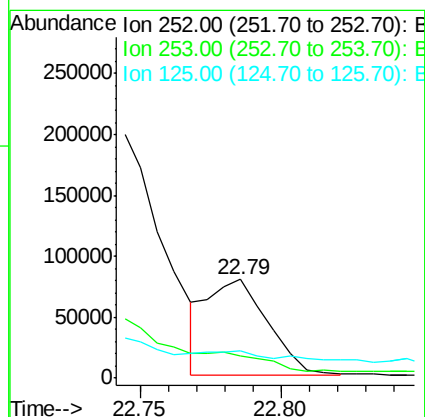
RT: 22.79 min Scan# 3366

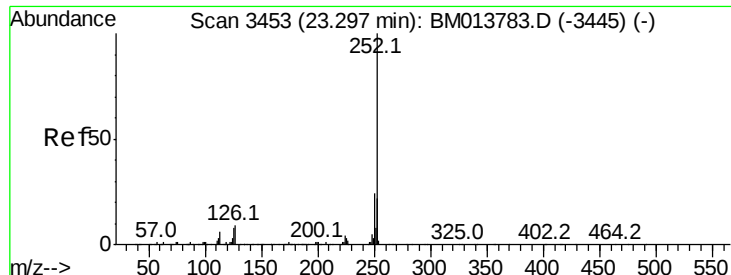
Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Tgt Ion:	252	Resp:	118439
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	28.3	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 3.710 ng/ul

RT: 23.30 min Scan# 3454

Delta R.T. 0.01 min

Lab File: BM013793.D

Acq: 25 Jan 2018 06:10

Instrument :

BNA_M

ClientSampleId :

F6A97

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	22.9	4.0	6.0

Manual Integrations
APPROVED

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