

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013494.D
 Acq On : 18 Dec 2017 12:25
 Operator : SJ/JU
 Sample : I6775-15ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

Manual Integrations
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Sohil
 12/19/2017 4:56:17 PM

Quant Time: Dec 18 16:53:01 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	201419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	907674	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	528405	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1162698	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	952257	20.00	ng/ul	0.01
83) Perylene-d12	23.50	264	844440	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	21631	5.32	ng/uL	0.00
5) Phenol-d5	6.85	99	615157	35.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	336527	33.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	494497	36.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	524377	35.22	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	252927	35.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	279623	36.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	546252	34.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	590726	40.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1582777	33.66	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	2079801	35.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	240856	29.48	ng/ul	0.00
57) Fluorene-d10	15.31	176	1369862	33.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	218631	29.89	ng/ul	0.00
70) Anthracene-d10	17.17	188	2080727	35.73	ng/ul	0.00
76) Pyrene-d10	19.47	212	2039817	43.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1442566	33.54	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.88	94	31963	1.855	ng/ul#	83
28) Naphthalene	10.50	128	440898	9.441	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	141042	4.018	ng/ul	85
40) 1,1'-Biphenyl	13.15	154	63972	1.432	ng/ul	98
44) Dimethylphthalate	13.77	163	270326	6.011	ng/ul	100
47) Acenaphthylene	14.04	152	1283098	23.895	ng/ul	99
49) Acenaphthene	14.38	153	492608	13.467	ng/ul	98
53) Dibenzofuran	14.72	168	428063	7.927	ng/ul	98
58) Fluorene	15.37	166	298752	6.687	ng/ul	99
68) Pentachlorophenol	16.72	266	285416	32.740	ng/ul	97
69) Phenanthrene	17.11	178	3662871	55.452	ng/ul	100
71) Anthracene	17.20	178	2393753	35.453	ng/ul	99
72) Carbazole	17.47	167	462373	7.962	ng/ul	98
74) Fluoranthene	19.14	202	7352980	90.835	ng/ul#	93
77) Pyrene	19.50	202	8666393	149.802	ng/ul#	90
80) Benzo(a)anthracene	21.25	228	5027988	83.219	ng/ul	95
82) Chrysene	21.31	228	7606402	135.700	ng/ul	98
85) Benzo(b)fluoranthene	22.85	252	15271185	268.269	ng/ul#	98
86) Benzo(k)fluoranthene	22.88	252	4044725m	75.503	ng/ul	
88) Benzo(a)pyrene	23.42	252	6748185	131.966	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.75	276	4280454	84.364	ng/ul#	96
90) Dibenz(a,h)anthracene	25.74	278	1112905	25.760	ng/ul#	91
91) Benzo(g,h,i)perylene	26.43	276	3176257	79.364	ng/ul#	95

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

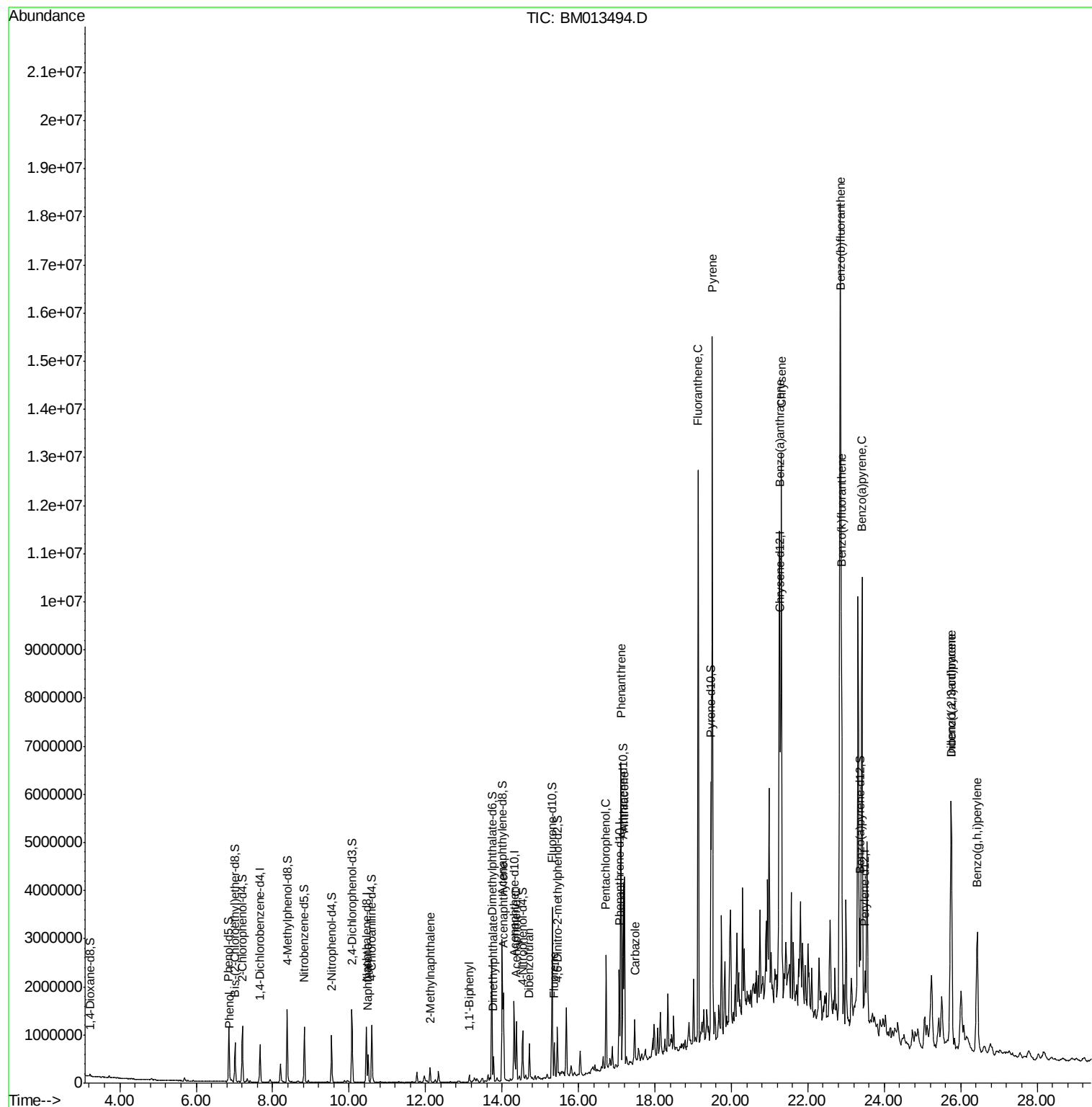
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013494.D
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Operator : SJ/JU
Sample : I6775-15ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

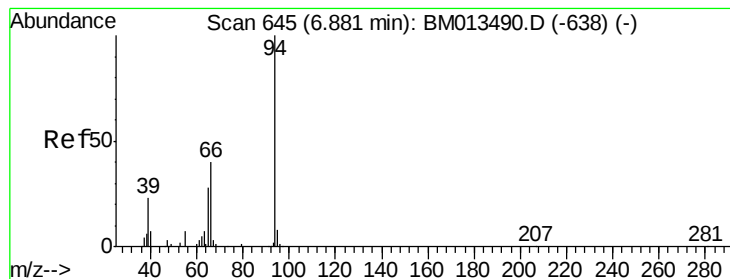
Instrument :
BNA_M
ClientSampleId :
F9A50ME

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#6

Phenol

Concen: 1.855 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

Tgt Ion: 94 Resp: 31963

Ion Ratio Lower Upper

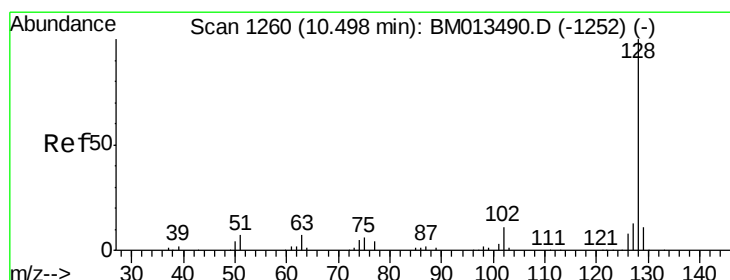
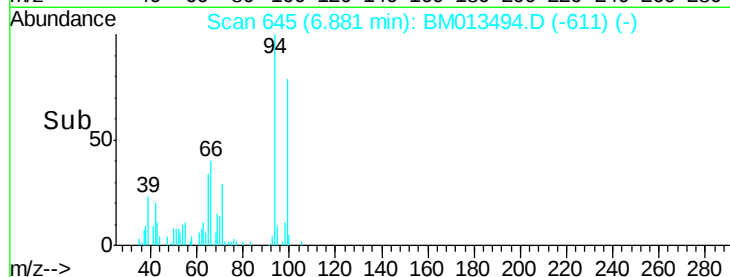
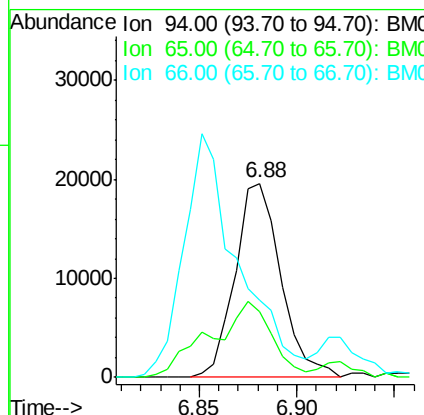
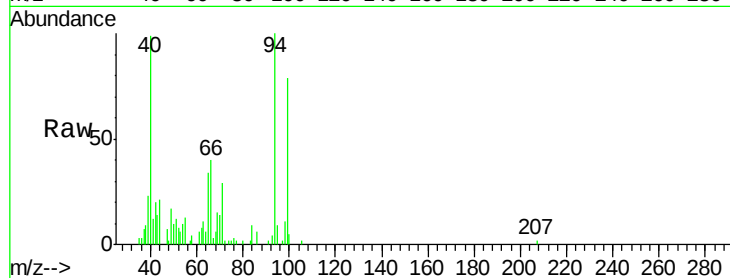
94 100

65 34.1 28.2 42.4

66 39.8 47.2 70.8#

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#28

Naphthalene

Concen: 9.441 ng/ul

RT: 10.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

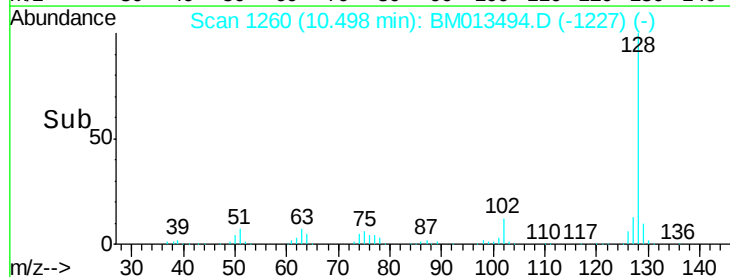
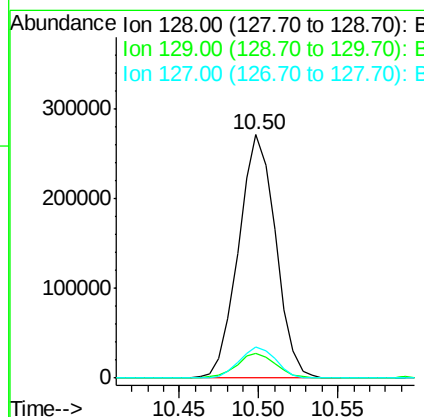
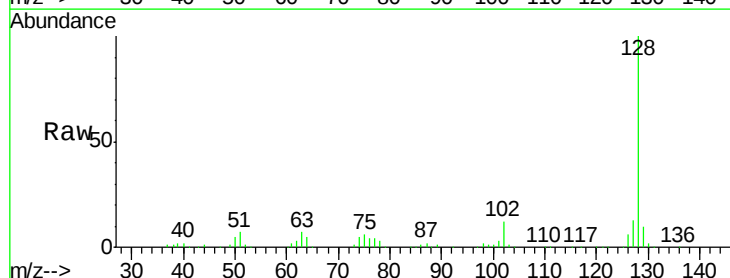
Tgt Ion: 128 Resp: 440898

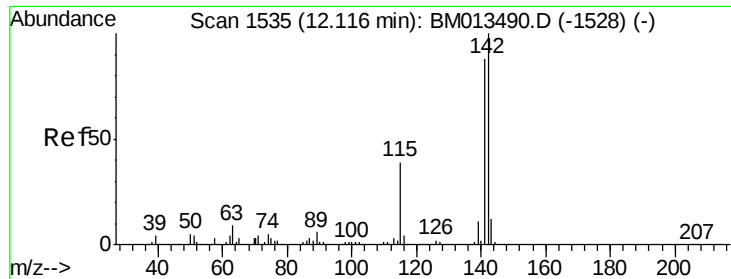
Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

127 12.7 10.6 16.0





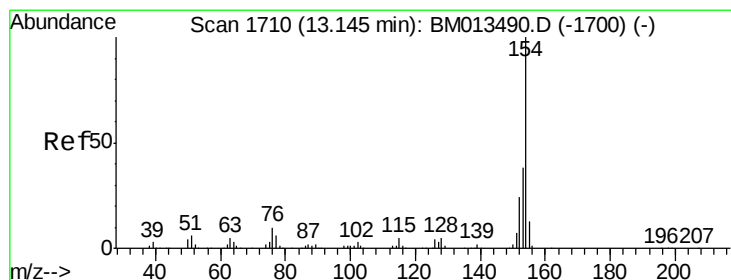
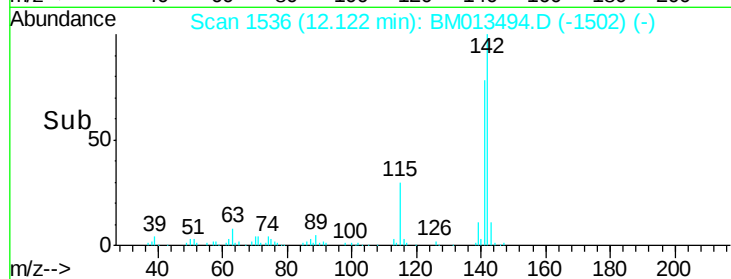
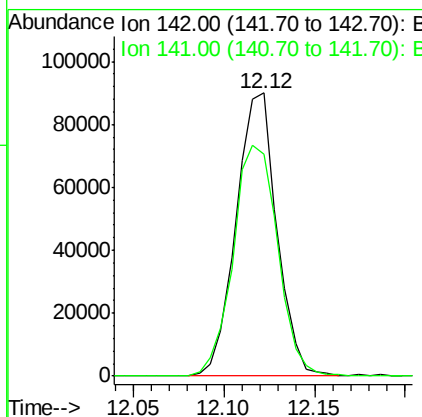
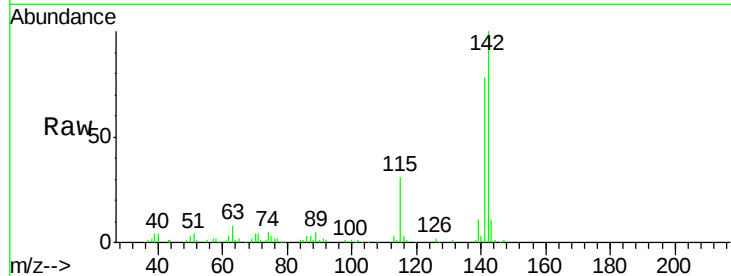
#34
 2-Methylnaphthalene
 Concen: 4.018 ng/ul
 RT: 12.12 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: BM013494.D
 Acq: 18 Dec 2017 12:25

Instrument :
 BNA_M
 ClientSampleId :
 F9A50ME

Tgt Ion:142 Resp: 141042
 Ion Ratio Lower Upper
 142 100
 141 78.3 74.1 111.1

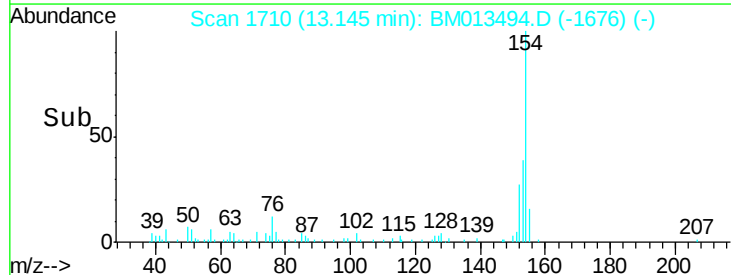
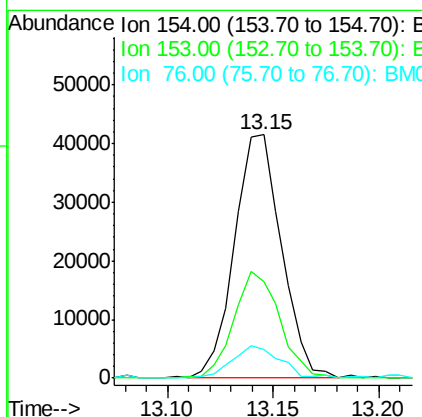
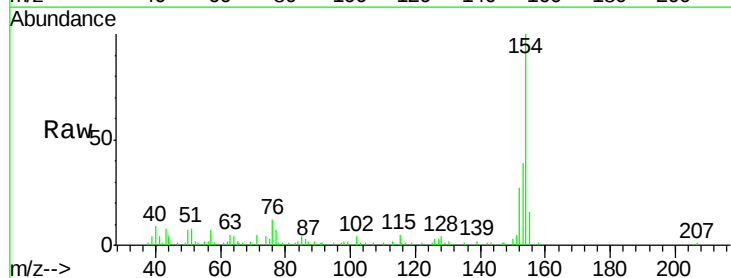
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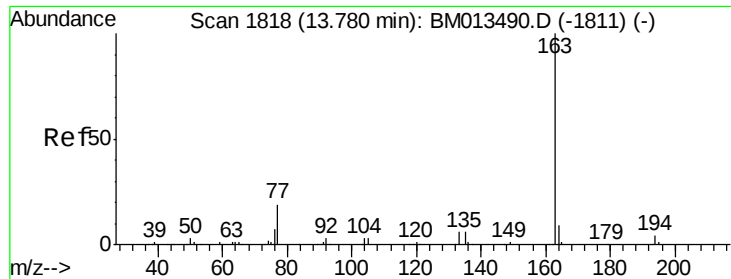
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#40
 1,1'-Biphenyl
 Concen: 1.432 ng/ul
 RT: 13.15 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BM013494.D
 Acq: 18 Dec 2017 12:25

Tgt Ion:154 Resp: 63972
 Ion Ratio Lower Upper
 154 100
 153 39.4 32.6 48.8
 76 11.7 8.5 12.7





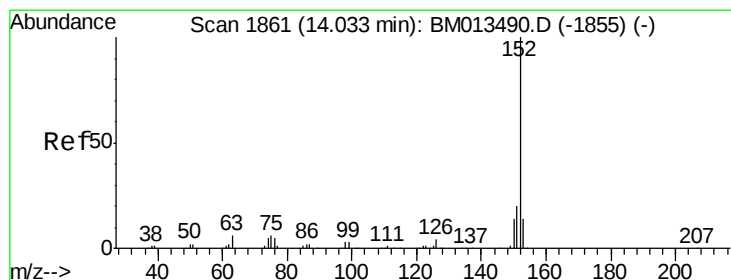
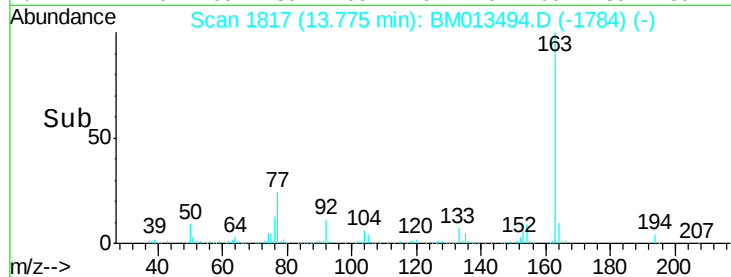
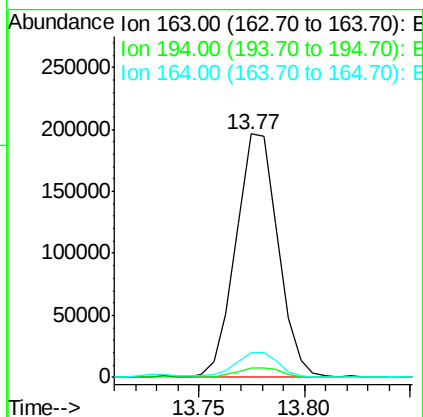
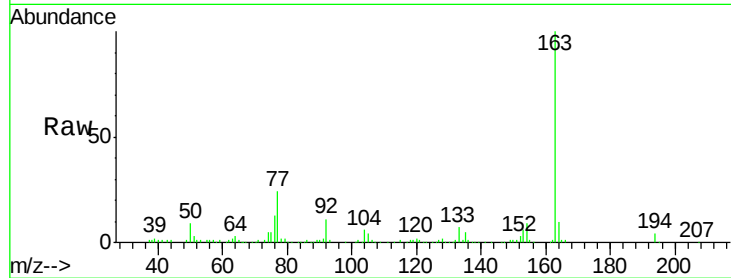
#44
Dimethylphthalate
Concen: 6.011 ng/ul
RT: 13.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Instrument :
BNA_M
ClientSampleId :
F9A50ME

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	270326		
194	4.1		3.5	5.3
164	10.3		8.2	12.4

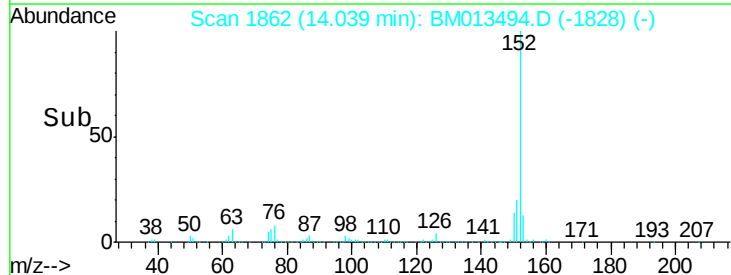
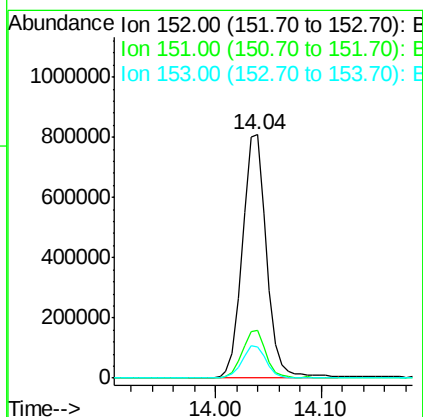
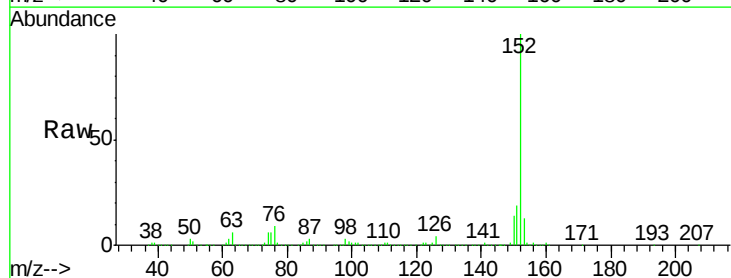
Manual Integrations
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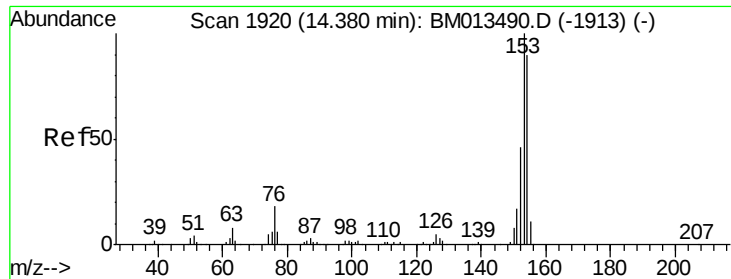
Sohil
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#47
Acenaphthylene
Concen: 23.895 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1283098		
151	19.5		16.3	24.5
153	12.8		10.2	15.4





#49

Acenaphthene

Concen: 13.467 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

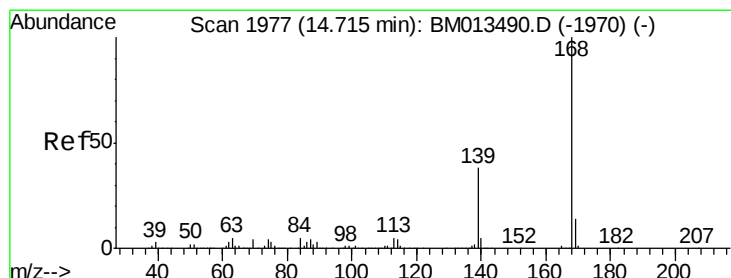
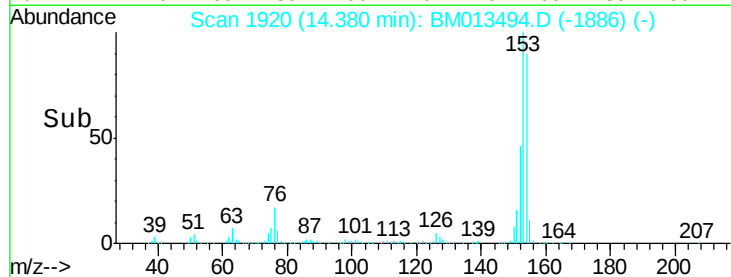
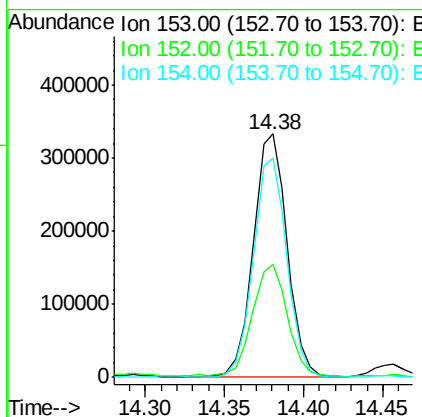
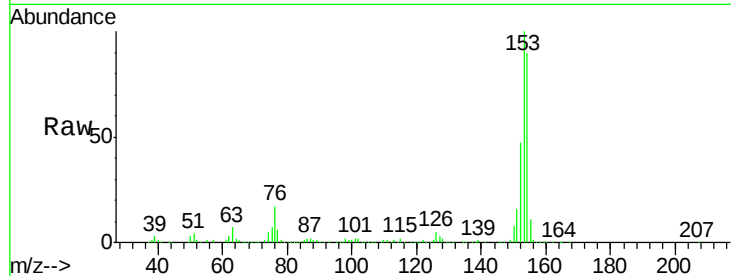
ClientSampleId :

F9A50ME

Tgt Ion:	153	Resp:	492608
Ion Ratio		Lower	Upper
153	100		
152	46.6	37.6	56.4
154	90.0	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 7.927 ng/ul

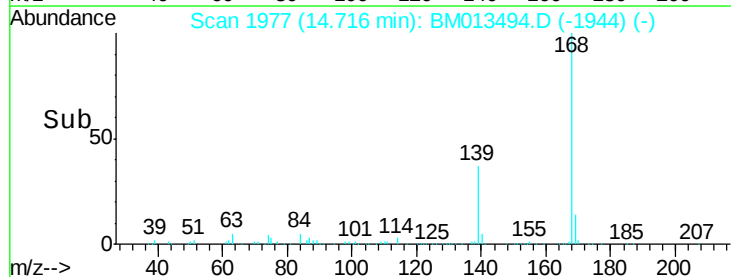
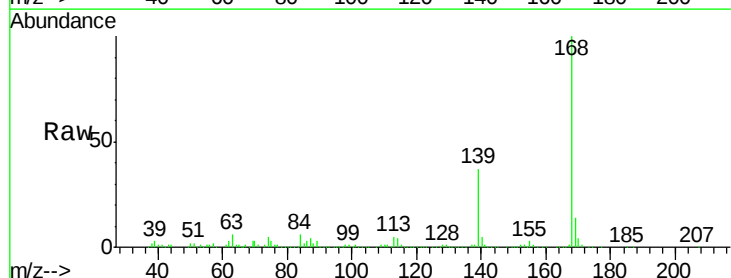
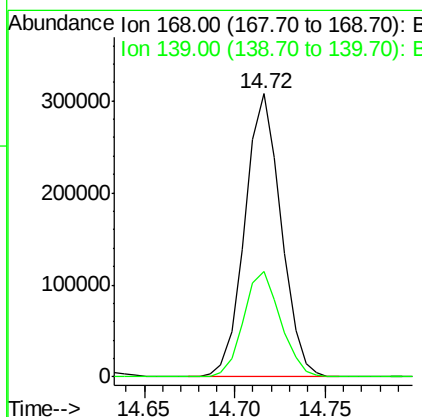
RT: 14.72 min Scan# 1977

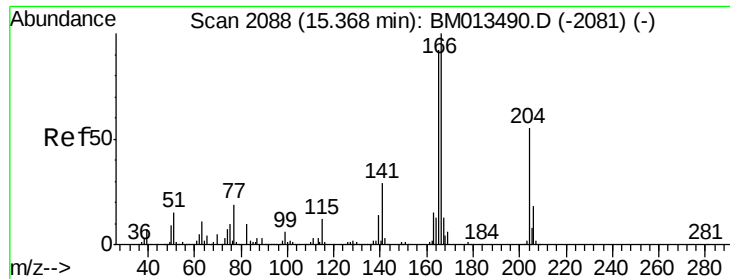
Delta R.T. -0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Tgt Ion:	168	Resp:	428063
Ion Ratio		Lower	Upper
168	100		
139	37.2	30.8	46.2





#58

Fluorene

Concen: 6.687 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

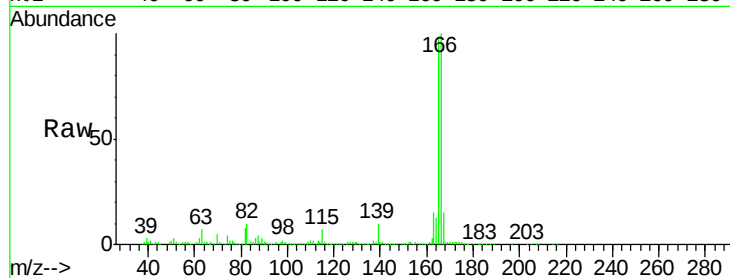
ClientSampleId :

F9A50ME

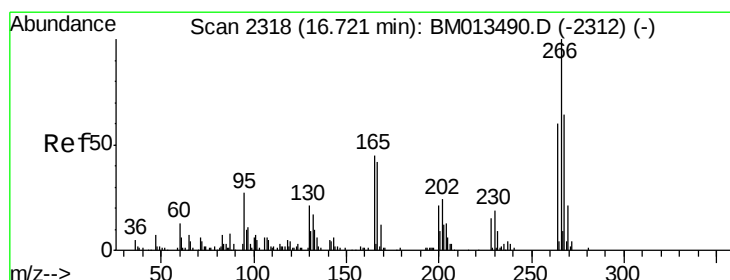
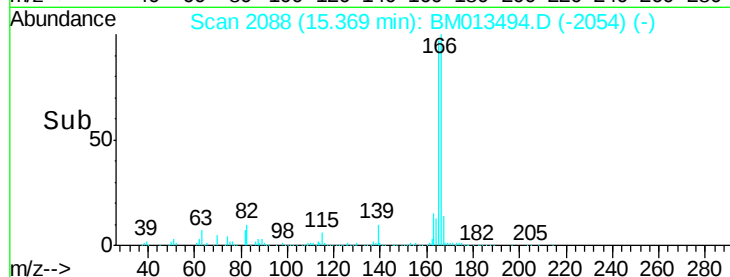
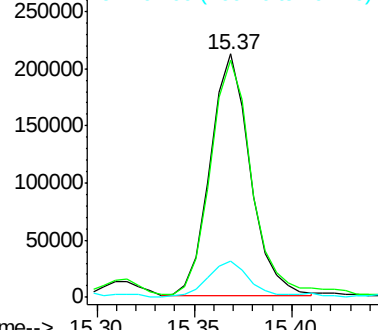
Tgt Ion:	166	Resp:	298752
Ion Ratio	Lower	Upper	
166	100		
165	97.5	77.9	116.9
167	14.7	10.6	16.0

Manual Integrations
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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



#68

Pentachlorophenol

Concen: 32.740 ng/ul

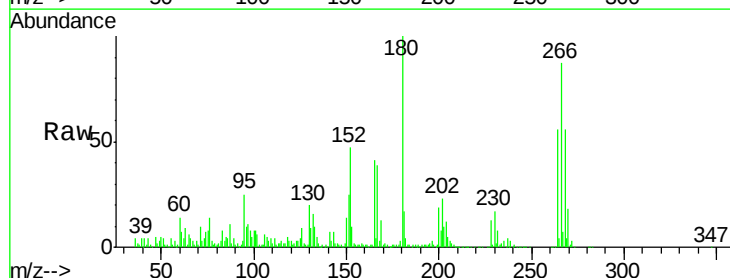
RT: 16.72 min Scan# 2318

Delta R.T. 0.00 min

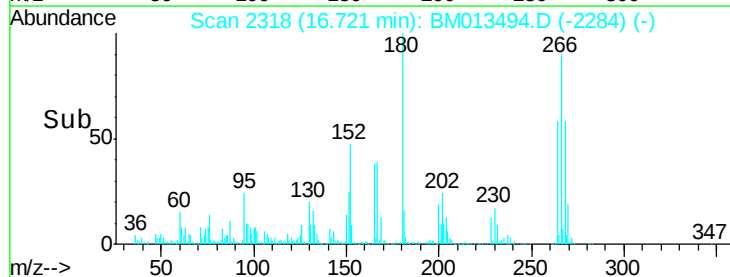
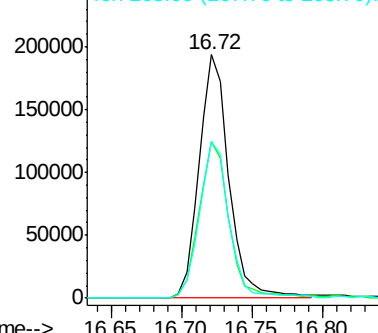
Lab File: BM013494.D

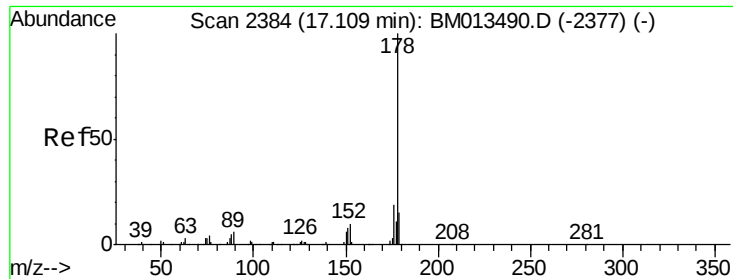
Acq: 18 Dec 2017 12:25

Tgt Ion:	266	Resp:	285416
Ion Ratio	Lower	Upper	
266	100		
264	64.3	49.3	73.9
268	64.4	52.6	78.8



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 55.452 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

Tgt Ion:178 Resp: 3662871

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

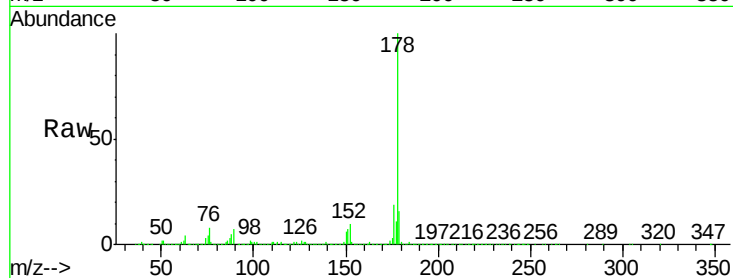
176 18.8 14.9 22.3

Manual Integrations

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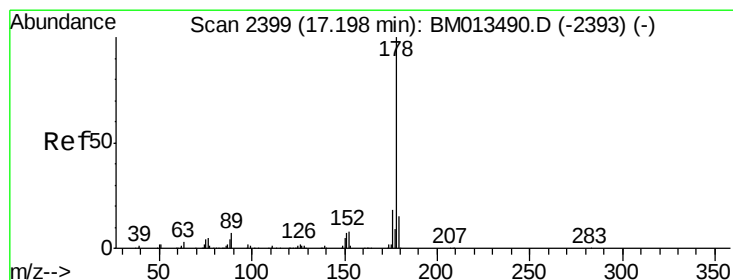
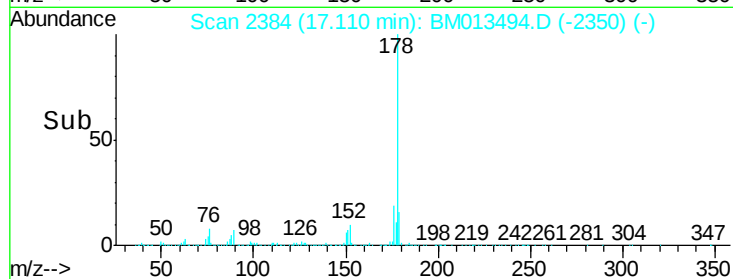
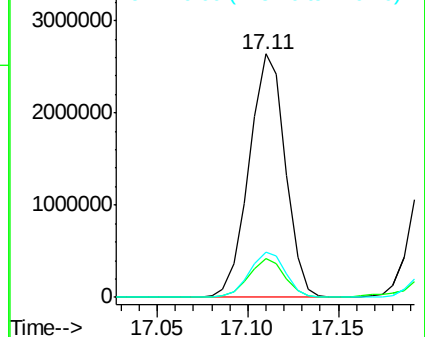
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 35.453 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

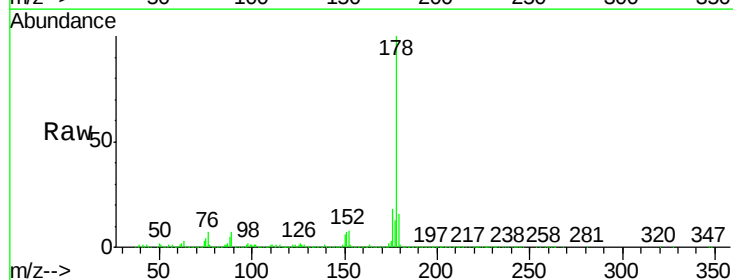
Tgt Ion:178 Resp: 2393753

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

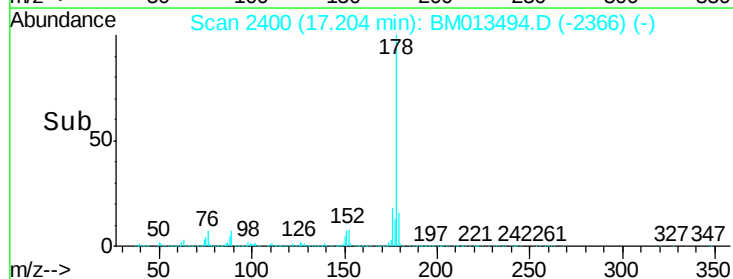
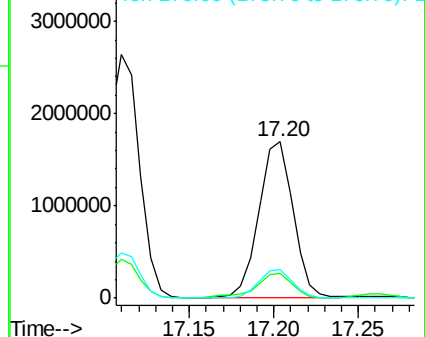
176 18.2 14.6 21.8

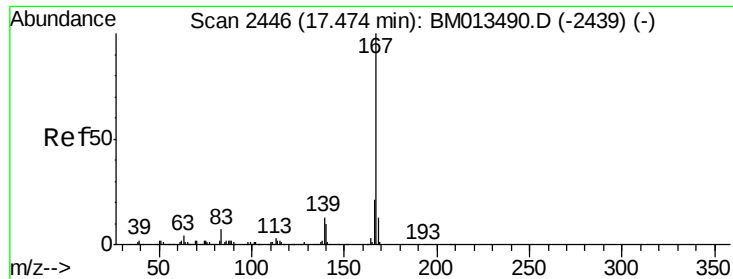


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 7.962 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

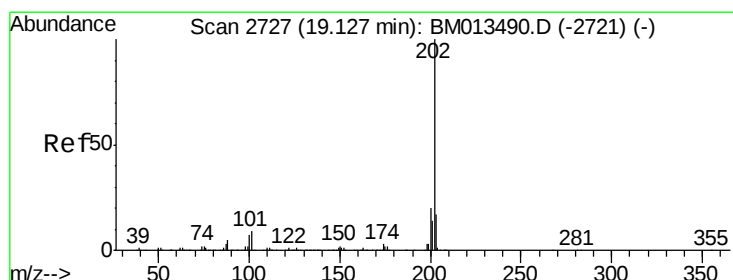
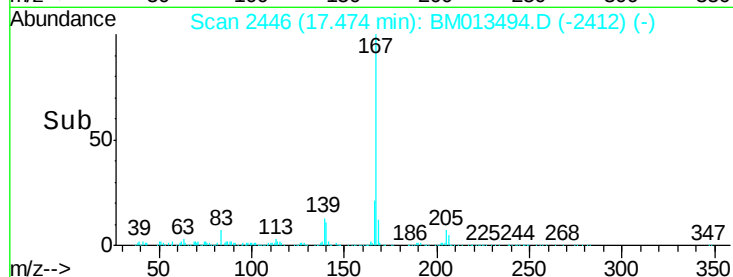
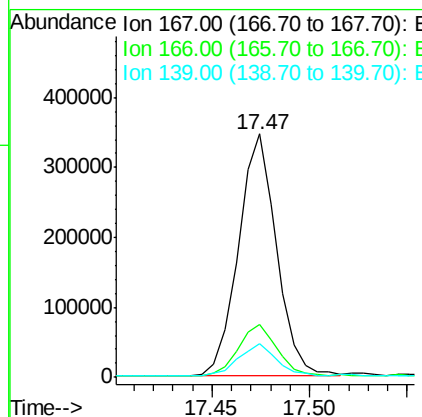
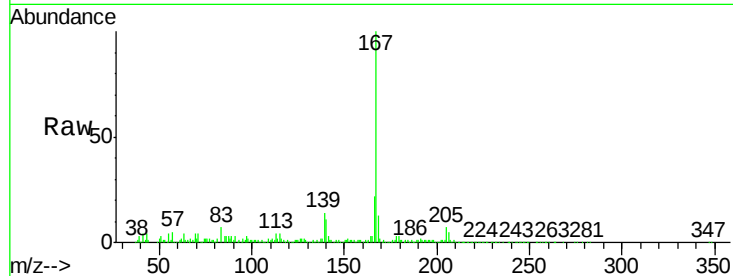
ClientSampleId :

F9A50ME

Tgt Ion:	167	Resp:	462373
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.1	25.7
139	14.1	10.0	15.0

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#74

Fluoranthene

Concen: 90.835 ng/ul

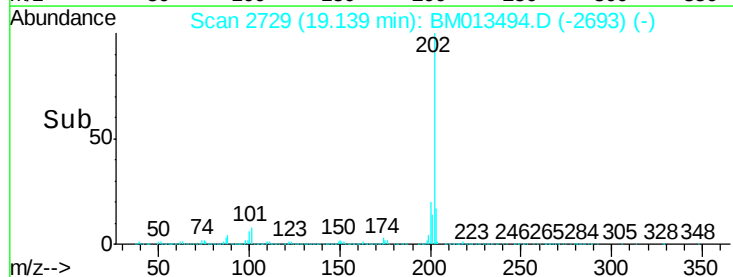
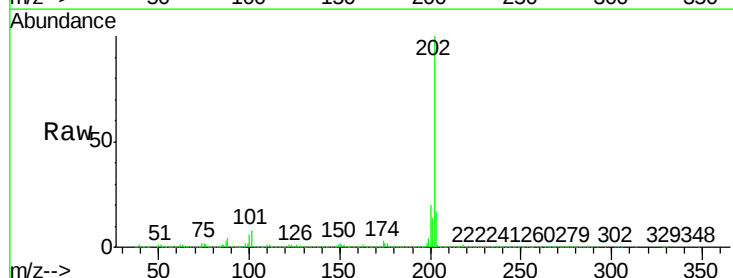
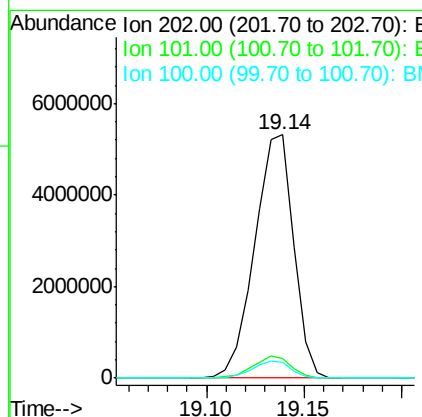
RT: 19.14 min Scan# 2729

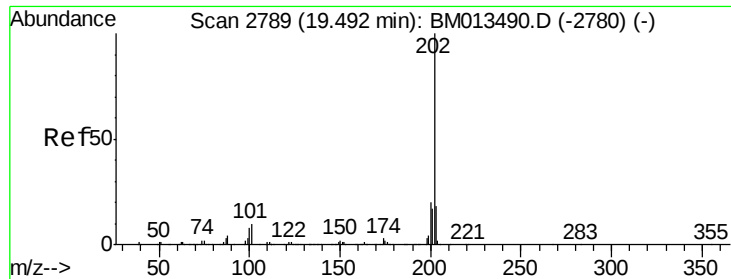
Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Tgt Ion:	202	Resp:	7352980
Ion Ratio	Lower	Upper	
202	100		
101	8.3	4.6	7.0#
100	6.3	3.4	5.2#





#77

Pyrene

Concen: 149.802 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

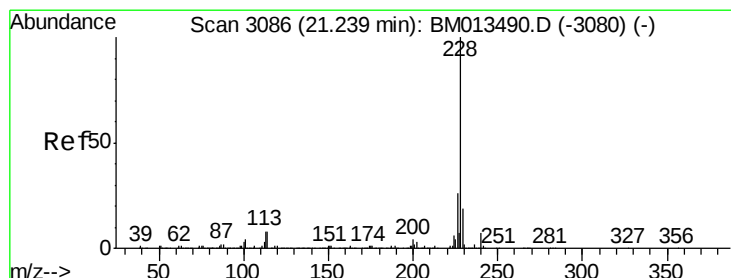
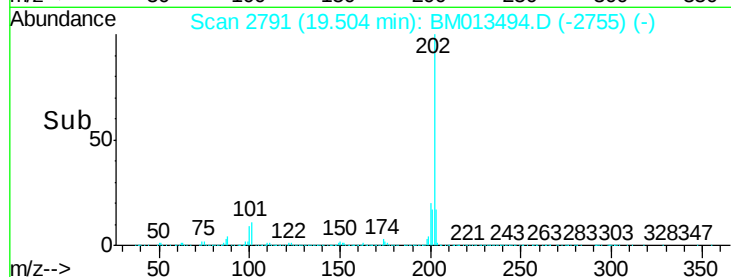
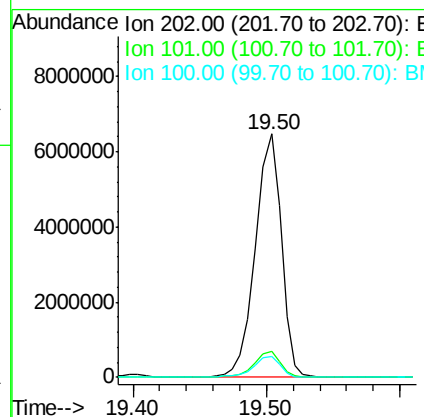
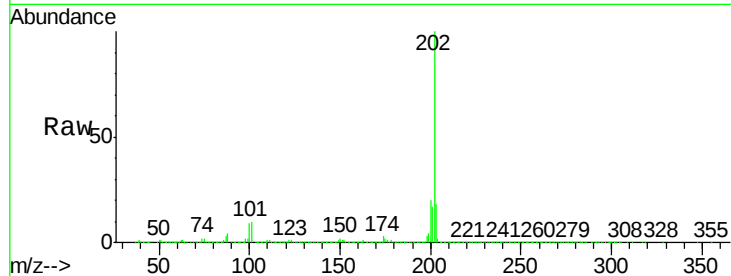
ClientSampleId :

F9A50ME

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	8666393		
101	10.5	5.1	7.7#	
100	8.7	4.9	7.3#	

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#80

Benzo(a)anthracene

Concen: 83.219 ng/ul

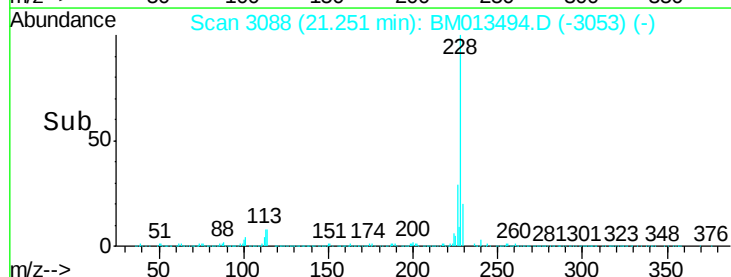
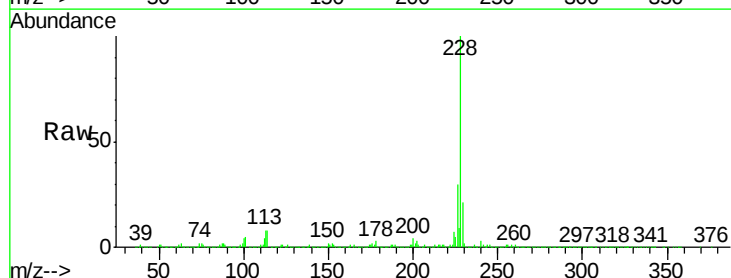
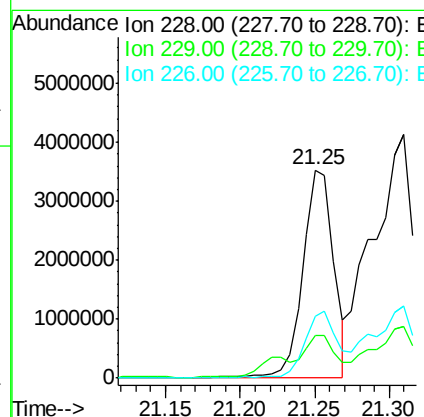
RT: 21.25 min Scan# 3088

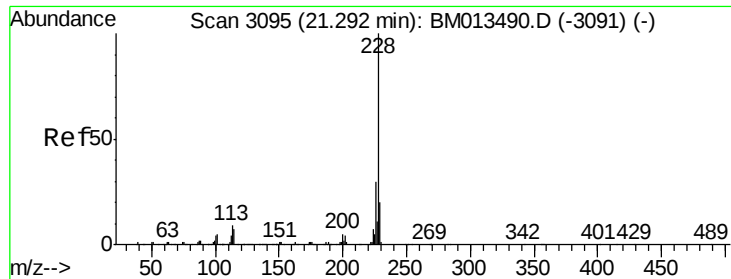
Delta R.T. 0.01 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	5027988		
229	20.7	15.4	23.0	
226	29.7	21.4	32.0	





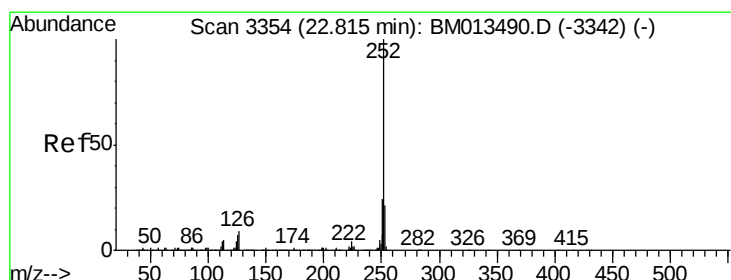
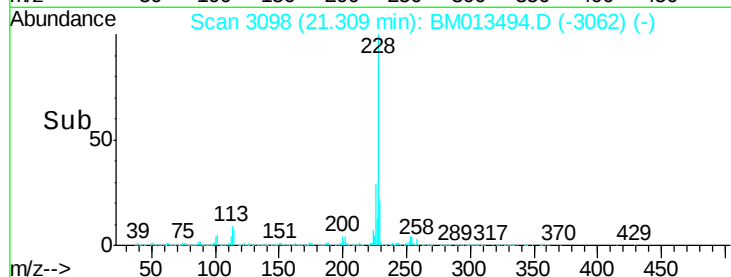
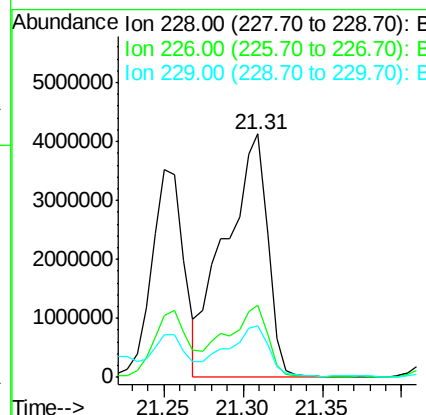
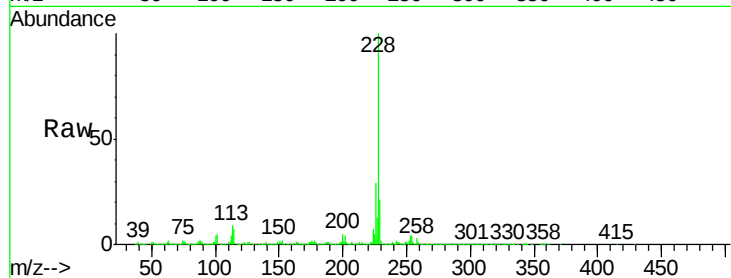
#82
Chrysene
Concen: 135.700 ng/u1
RT: 21.31 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Instrument :
BNA_M
ClientSampleId :
F9A50ME

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	21.4	15.5	23.3

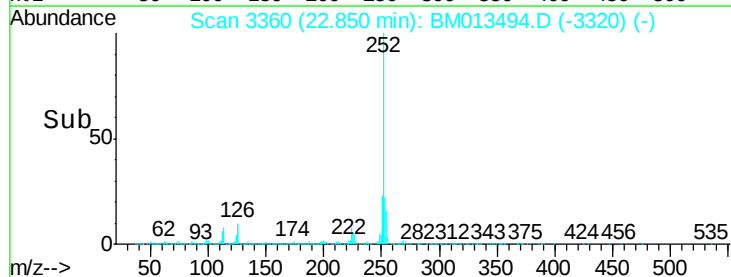
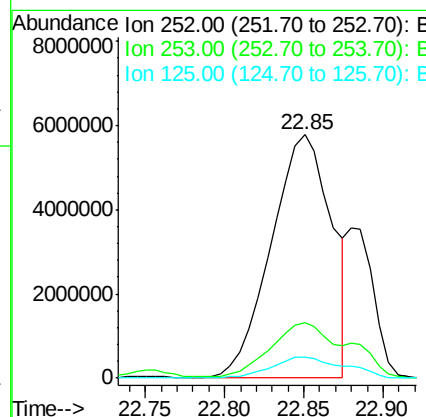
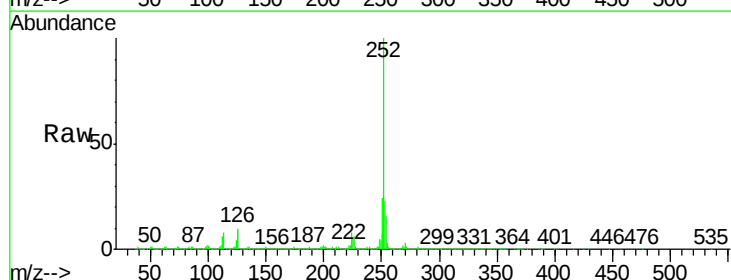
Manual Integrations
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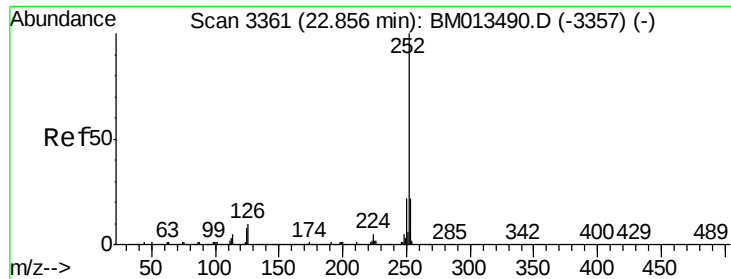
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#85
Benzo(b)fluoranthene
Concen: 268.269 ng/u1
RT: 22.85 min Scan# 3360
Delta R.T. 0.04 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	8.7	3.6	5.4





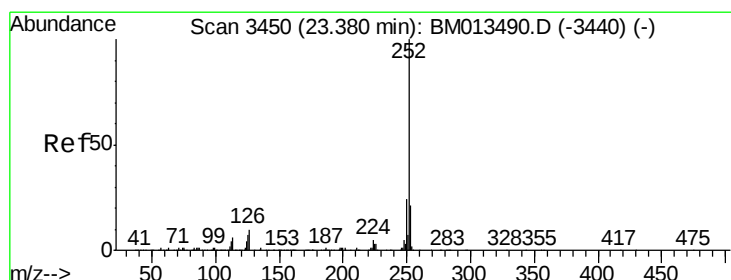
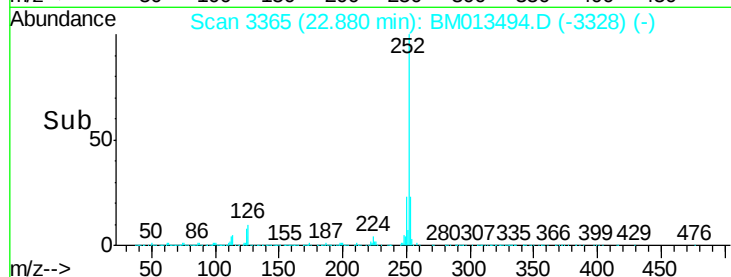
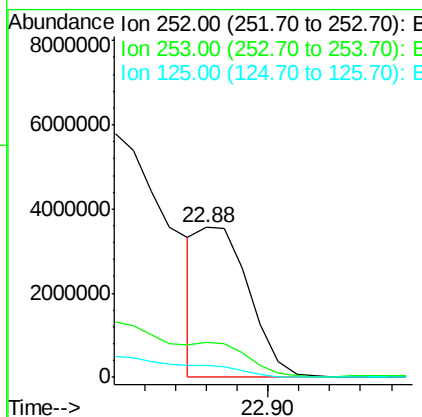
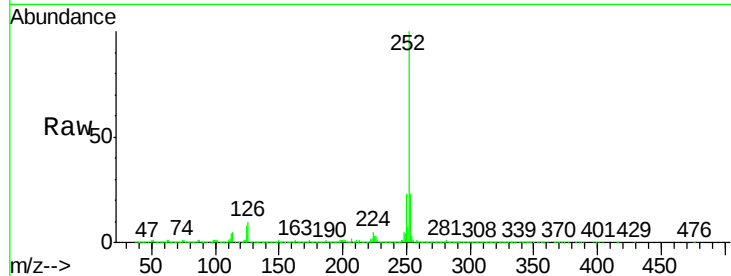
#86
Benzo(k)fluoranthene
Concen: 75.503 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Instrument :
BNA_M
ClientSampleId :
F9A50ME

Tgt Ion:252 Resp: 4044725
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 7.8 3.4 5.2#

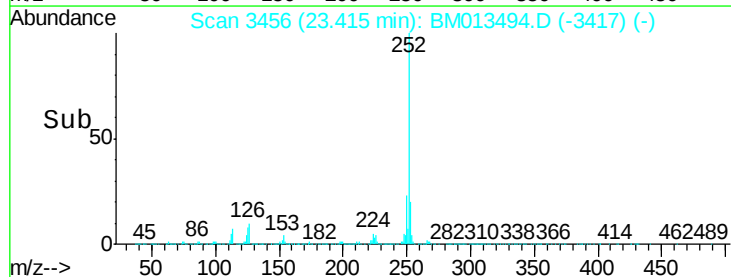
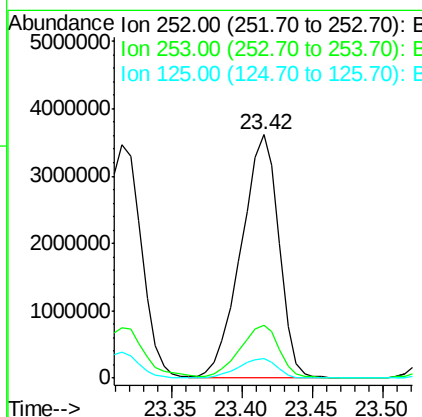
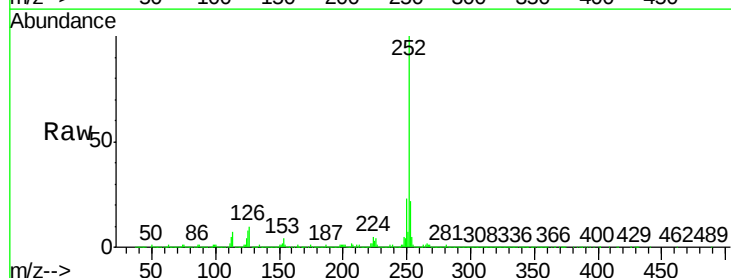
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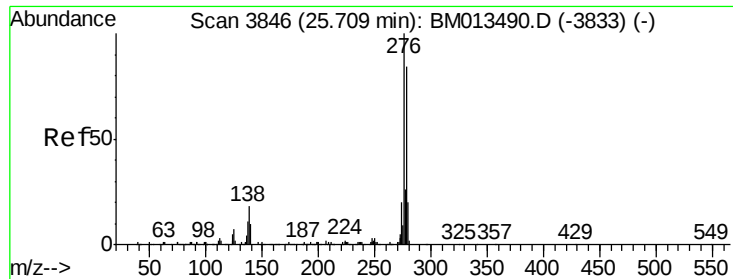
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#88
Benzo(a)pyrene
Concen: 131.966 ng/ul
RT: 23.42 min Scan# 3456
Delta R.T. 0.03 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion:252 Resp: 6748185
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 8.2 4.0 6.0#





#89

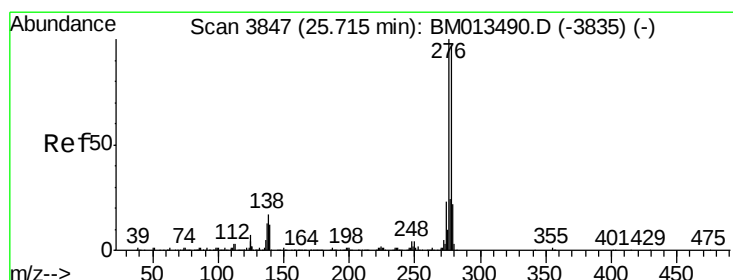
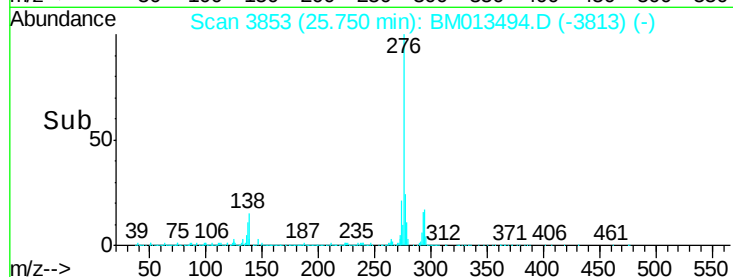
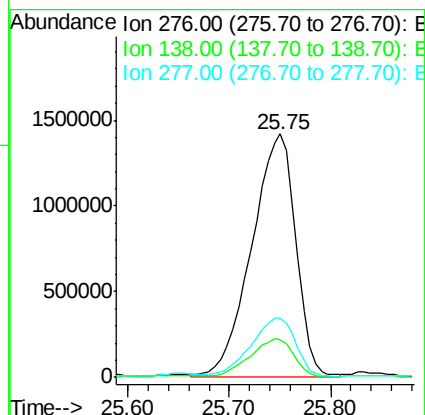
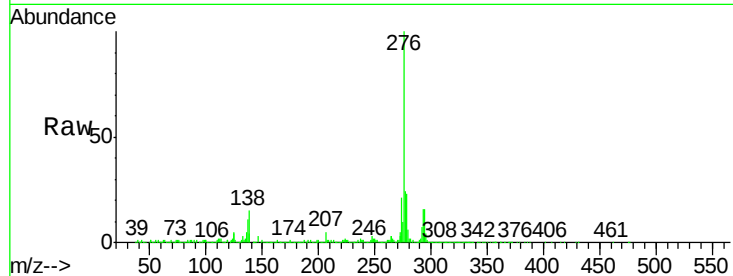
Indeno(1,2,3-cd)pyrene
Concen: 84.364 ng/ul
RT: 25.75 min Scan# 3853
Delta R.T. 0.04 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Instrument :
BNA_M
ClientSampleId :
F9A50ME

Tgt Ion:276 Resp: 4280454
Ion Ratio Lower Upper
276 100
138 15.2 9.3 13.9#
277 24.1 19.9 29.9

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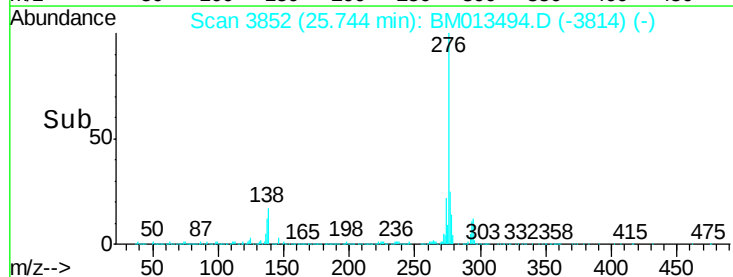
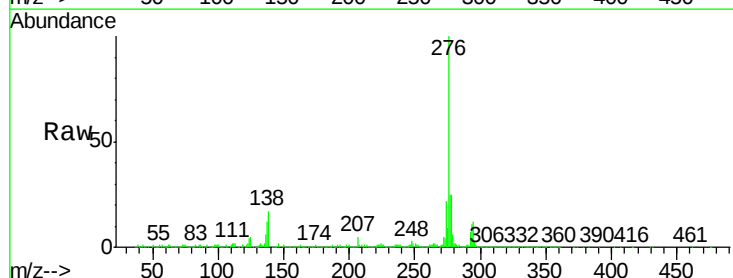
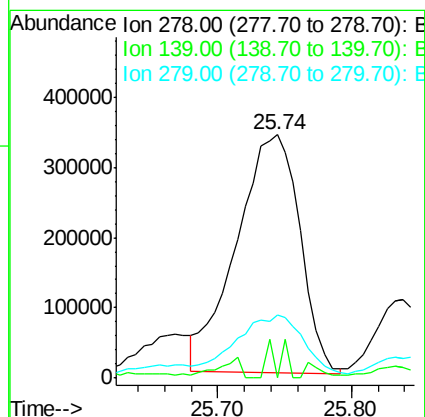
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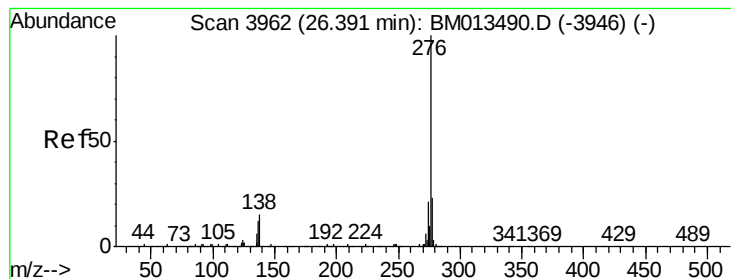


#90

Dibenzo(a,h)anthracene
Concen: 25.760 ng/ul
RT: 25.74 min Scan# 3852
Delta R.T. 0.02 min
Lab File: BM013494.D
Acq: 18 Dec 2017 12:25

Tgt Ion:278 Resp: 1112905
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 25.7 18.6 27.8





#91

Benzo(g,h,i)perylene

Concen: 79.364 ng/ul

RT: 26.43 min Scan# 3969

Delta R.T. 0.04 min

Lab File: BM013494.D

Acq: 18 Dec 2017 12:25

Instrument :

BNA_M

ClientSampleId :

F9A50ME

Tgt Ion: 276 Resp: 3176257

Ion Ratio Lower Upper

276 100

138 15.4 8.5 12.7#

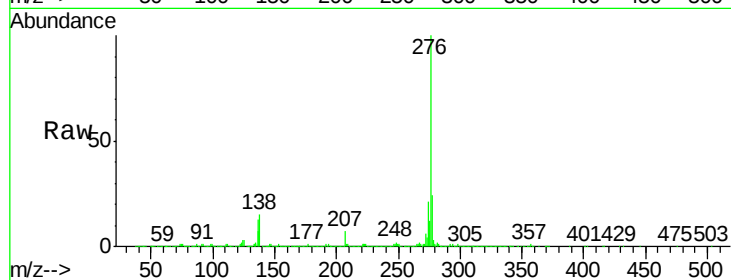
277 23.8 18.6 28.0

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

