

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
 Data File : BM013482.D
 Acq On : 16 Dec 2017 18:22
 Operator : SJ/JU
 Sample : I6779-12
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A95

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:10:56 PM

Quant Time: Dec 18 17:09:11 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 03:13:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	234132	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1036325	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	603728	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1280941	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	953165	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	832020	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	19930	4.22	ng/uL	0.00
5) Phenol-d5	6.85	99	539520	26.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	309259	26.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	435579	27.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	464021	26.81	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	229029	27.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	259207	29.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	475788	26.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	467054	28.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1452411	27.03	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1883508	28.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	199855	21.41	ng/ul	0.00
57) Fluorene-d10	15.32	176	1229423	26.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	122332	15.18	ng/ul	0.00
70) Anthracene-d10	17.16	188	1812608	28.25	ng/ul	0.00
76) Pyrene-d10	19.47	212	1738772	36.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1166626	27.53	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.88	94	67902	3.391	ng/ul#	82
44) Dimethylphthalate	13.78	163	449565	8.749	ng/ul	99
47) Acenaphthylene	14.04	152	507875	8.278	ng/ul	100
68) Pentachlorophenol	16.73	266	11923	1.241	ng/ul	92
71) Anthracene	17.20	178	367430	4.940	ng/ul	99
74) Fluoranthene	19.13	202	1252467	14.044	ng/ul#	91
77) Pyrene	19.49	202	1819479	31.420	ng/ul#	90
80) Benzo(a)anthracene	21.24	228	927294m	15.333	ng/ul	
82) Chrysene	21.30	228	997633	17.781	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	2028263	36.162	ng/ul#	97
86) Benzo(k)fluoranthene	22.86	252	521540m	9.881	ng/ul	
88) Benzo(a)pyrene	23.39	252	1248281	24.776	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	956832	19.140	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.71	278	247354	5.811	ng/ul#	92
91) Benzo(g,h,i)perylene	26.40	276	797125	20.215	ng/ul#	91

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

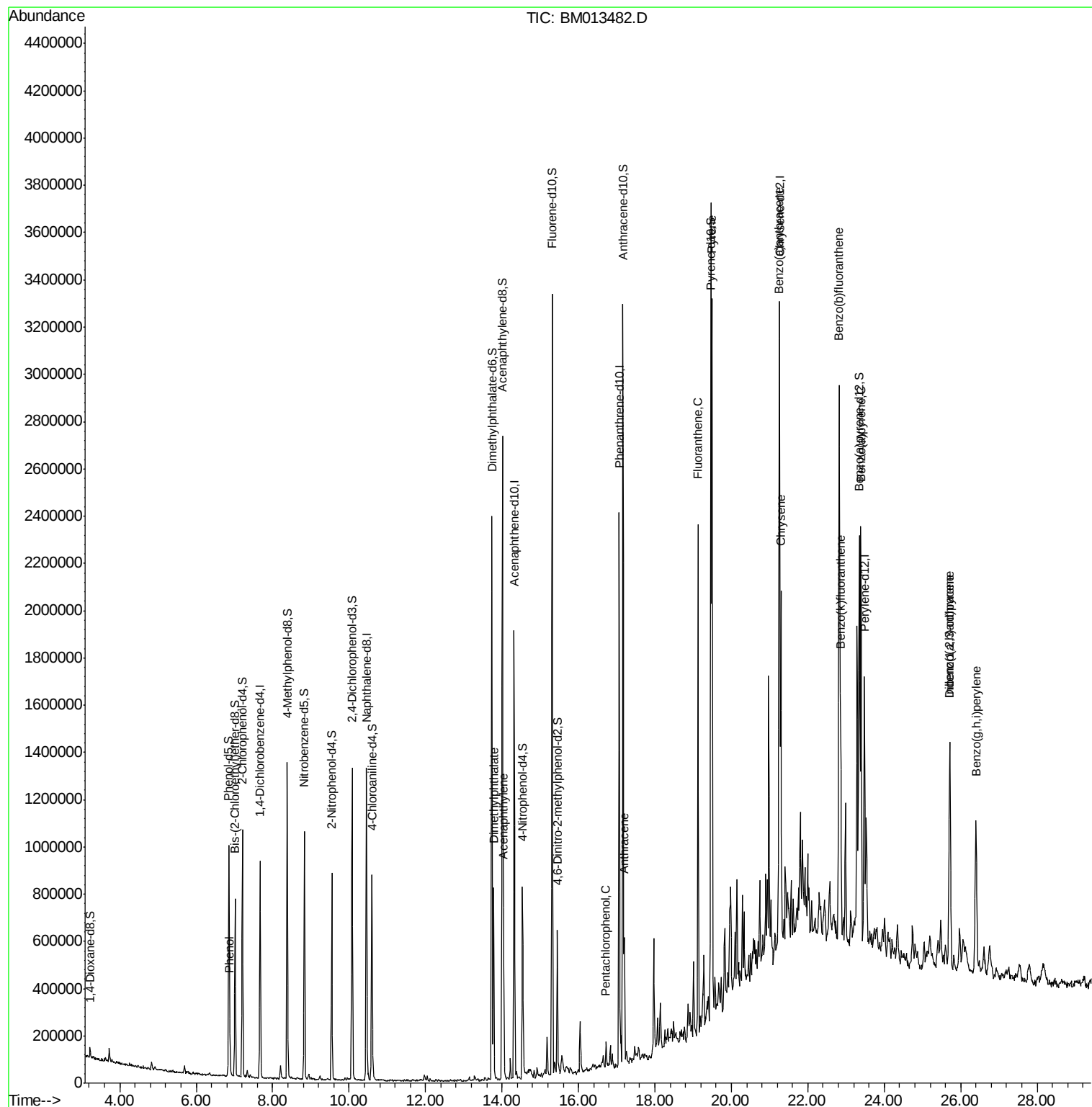
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013482.D
Acq On : 16 Dec 2017 18:22
Operator : SJ/JU
Sample : I6779-12
Misc :
ALS Vial : 39 Sample Multiplier: 1

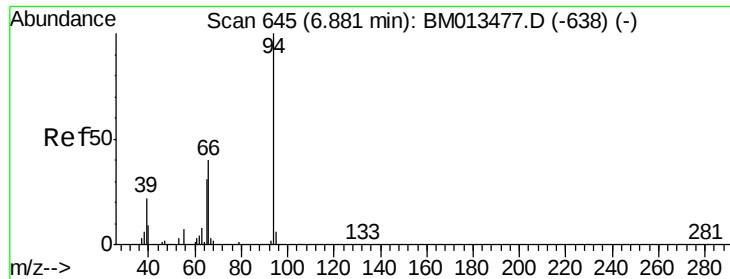
Instrument :
BNA_M
ClientSampled :
F9A95

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Quant Time: Dec 18 17:09:11 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.391 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Instrument :

BNA_M

ClientSampleId :

F9A95

Tgt Ion: 94 Resp: 67902

Ion Ratio Lower Upper

94 100

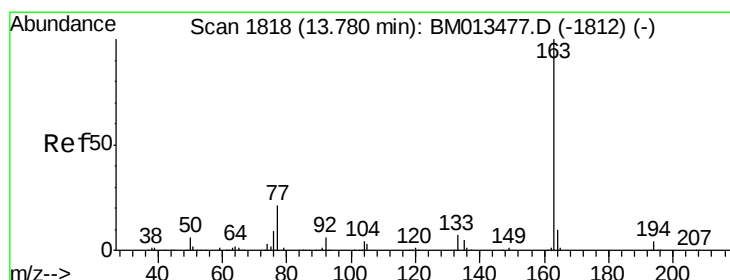
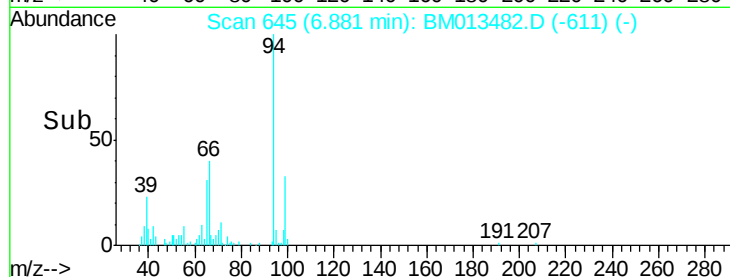
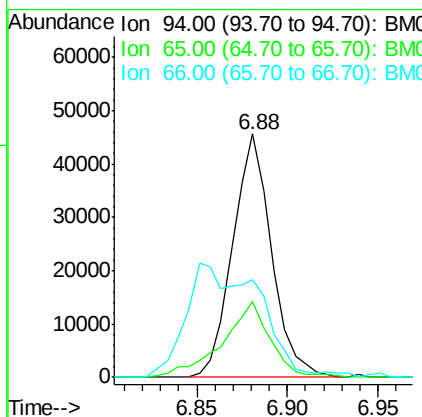
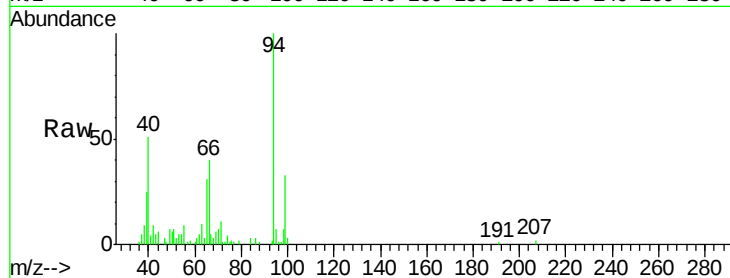
65 31.2 28.2 42.4

66 40.0 47.2 70.8#

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#44

Dimethylphthalate

Concen: 8.749 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

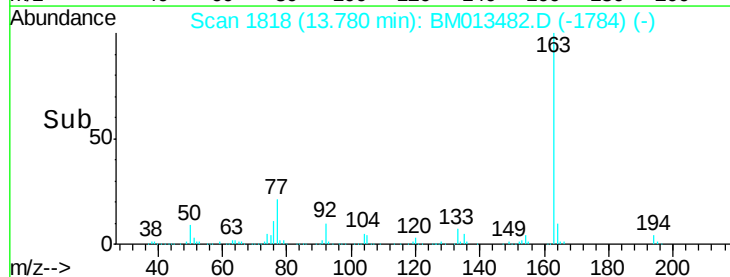
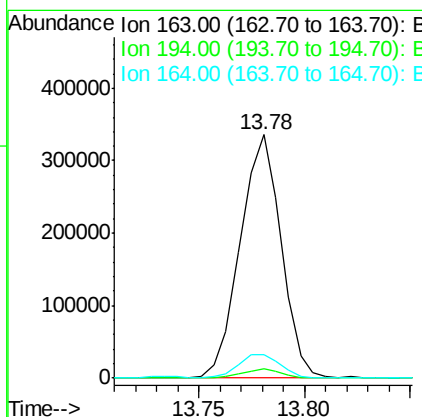
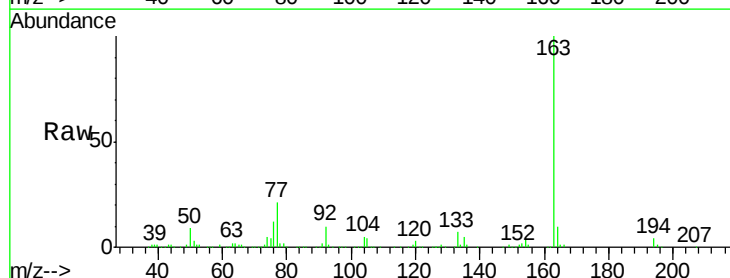
Tgt Ion: 163 Resp: 449565

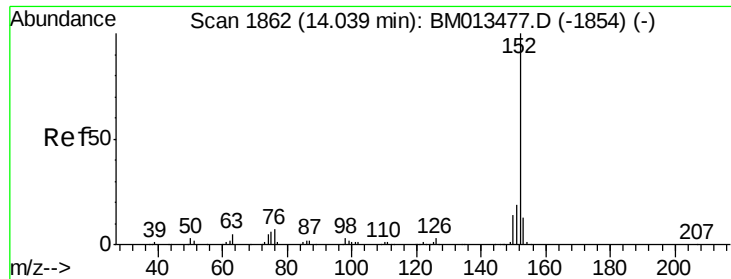
Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

164 9.7 8.2 12.4





#47

Acenaphthylene

Concen: 8.278 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Instrument :

BNA_M

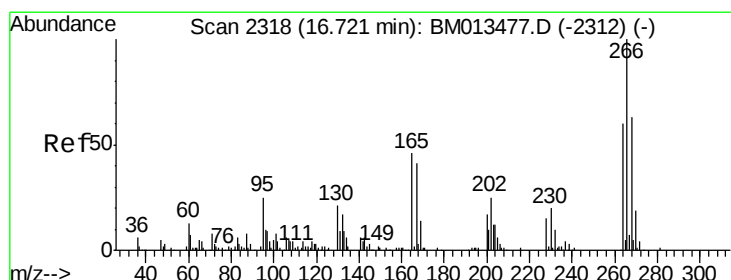
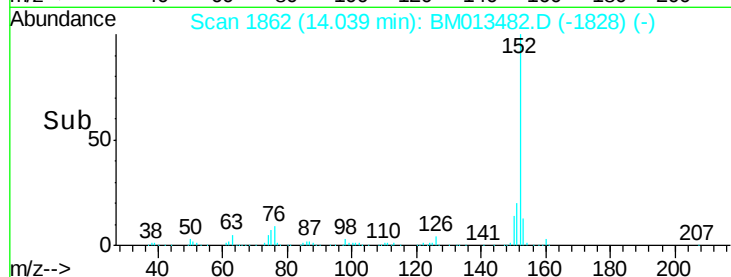
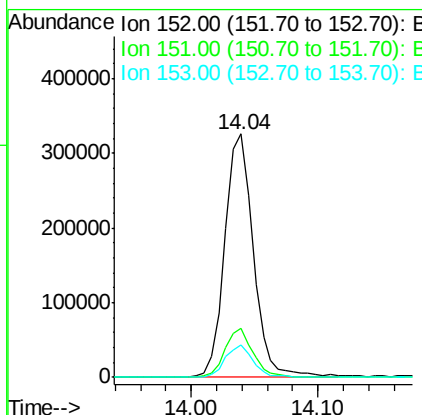
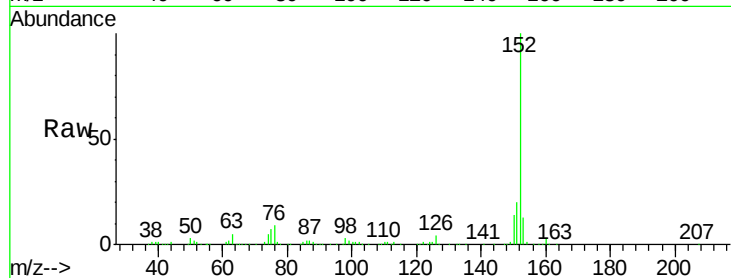
ClientSampled :

F9A95

Tgt Ion:	152	Resp:	507875
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.2	10.2	15.4

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#68

Pentachlorophenol

Concen: 1.241 ng/ul

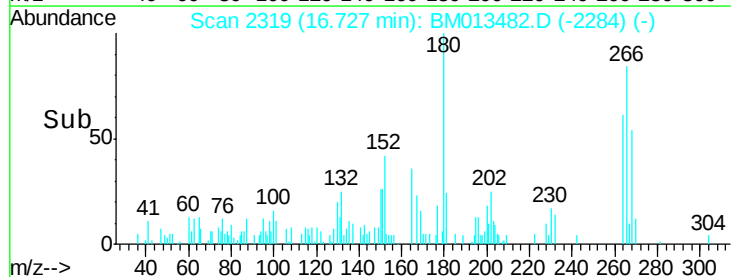
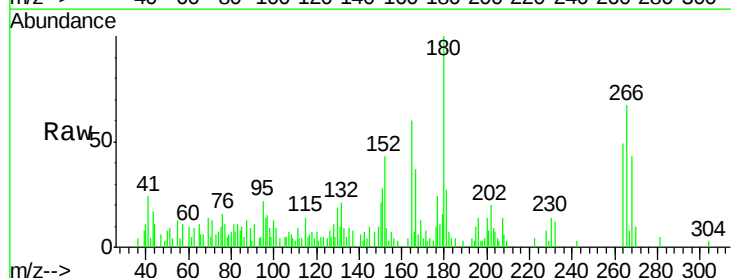
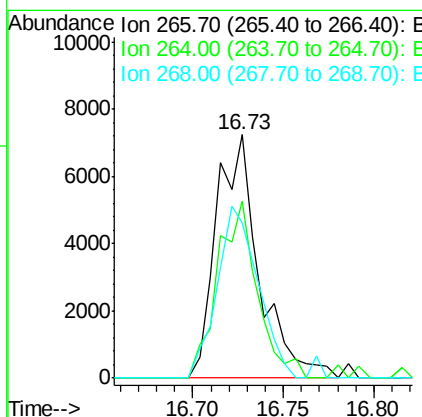
RT: 16.73 min Scan# 2319

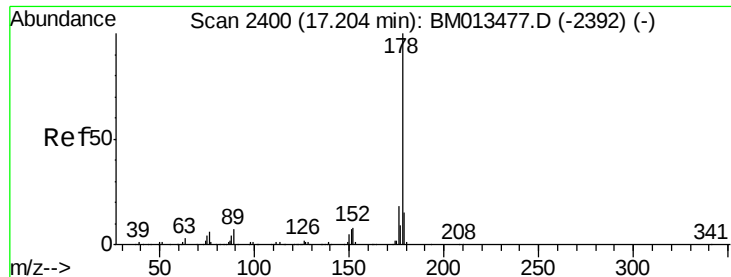
Delta R.T. 0.01 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Tgt Ion:	266	Resp:	11923
Ion Ratio	Lower	Upper	
266	100		
264	72.6	49.3	73.9
268	64.0	52.6	78.8





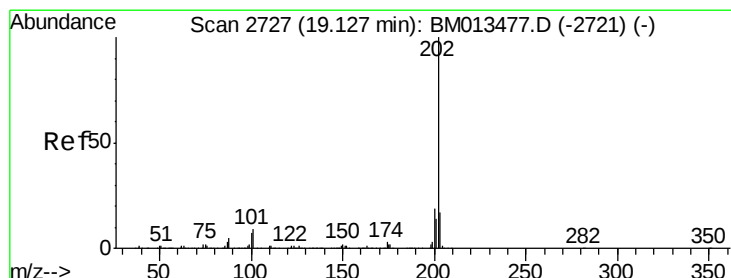
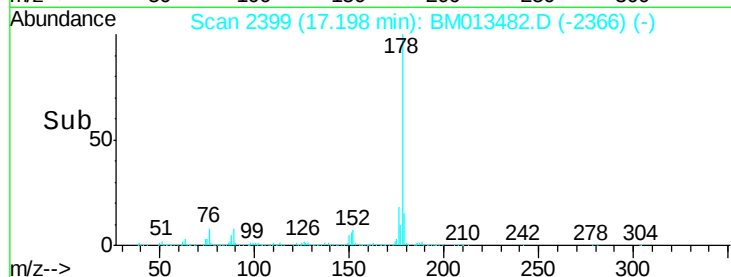
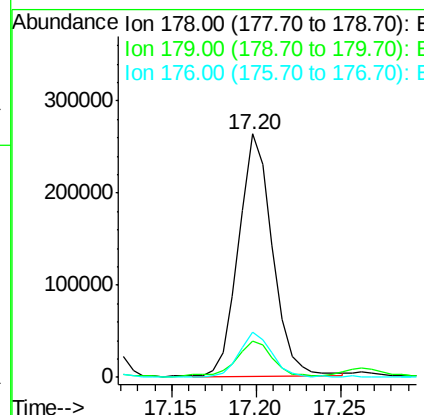
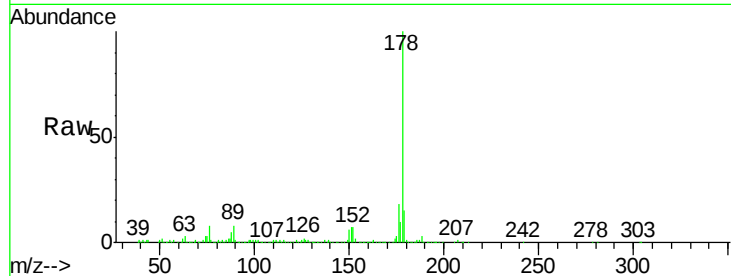
#71
 Anthracene
 Concen: 4.940 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013482.D
 Acq: 16 Dec 2017 18:22

Instrument :
 BNA_M
 ClientSampleId :
 F9A95

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	11.7	17.5
176	18.3	14.6	21.8

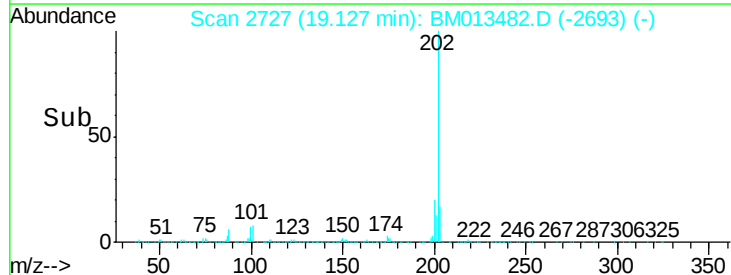
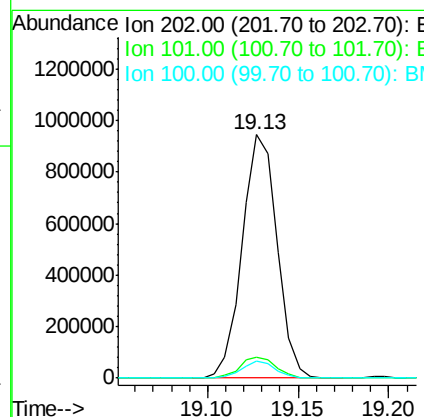
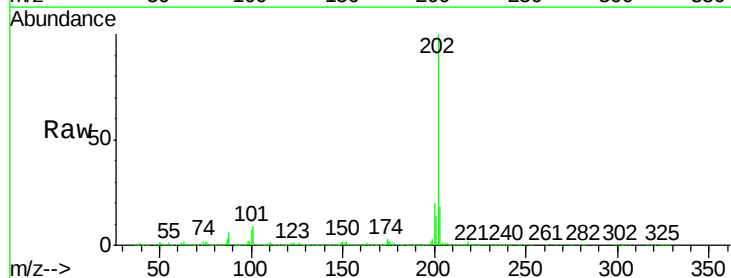
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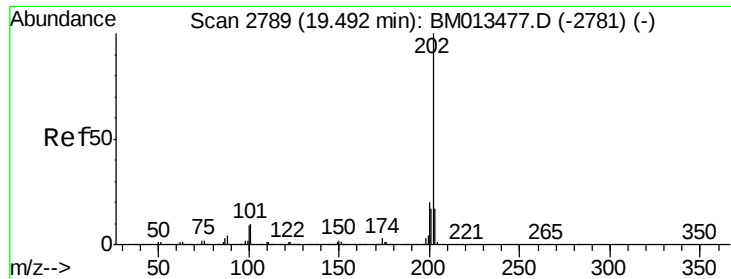
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#74
 Fluoranthene
 Concen: 14.044 ng/ul
 RT: 19.13 min Scan# 2727
 Delta R.T. -0.00 min
 Lab File: BM013482.D
 Acq: 16 Dec 2017 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	4.6	7.0#
100	7.2	3.4	5.2#





#77

Pyrene

Concen: 31.420 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Instrument :

BNA_M

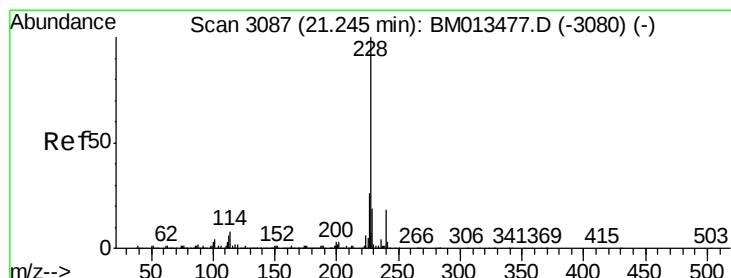
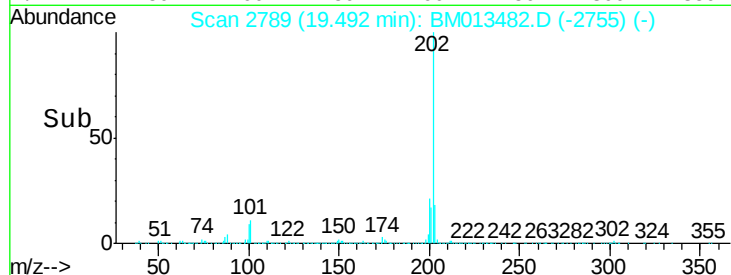
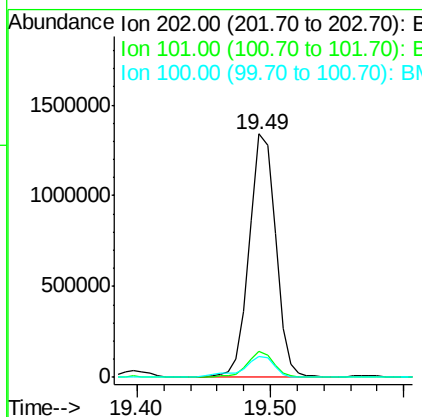
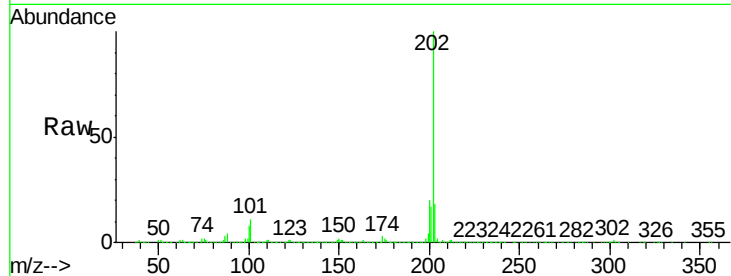
ClientSampleId :

F9A95

Tgt Ion:	202	Resp:	1819479
Ion	Ratio	Lower	Upper
202	100		
101	10.8	5.1	7.7#
100	8.5	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 15.333 ng/ul m

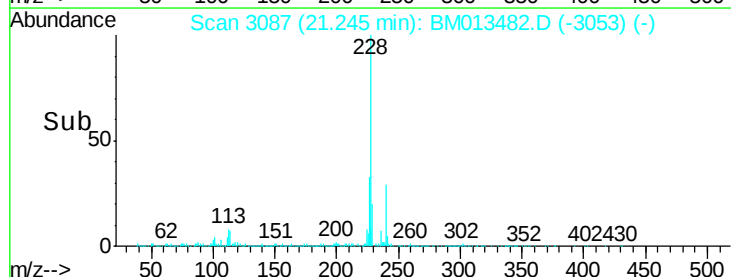
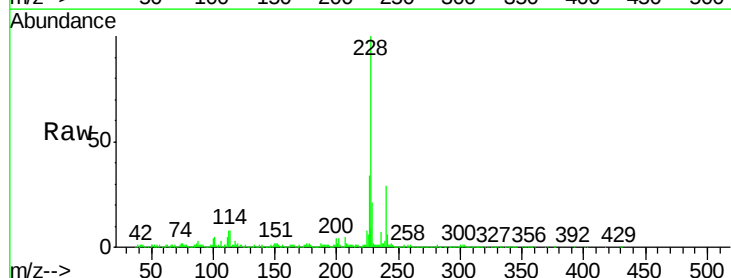
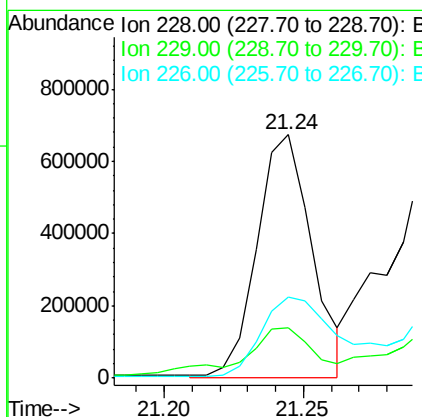
RT: 21.24 min Scan# 3087

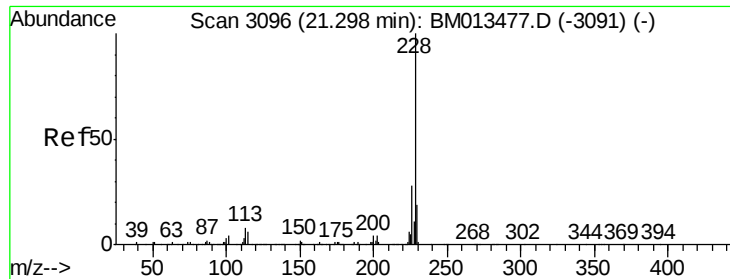
Delta R.T. -0.00 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Tgt Ion:	228	Resp:	927294
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.4	23.0
226	33.5	21.4	32.0#





#82

Chrysene

Concen: 17.781 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Instrument :

BNA_M

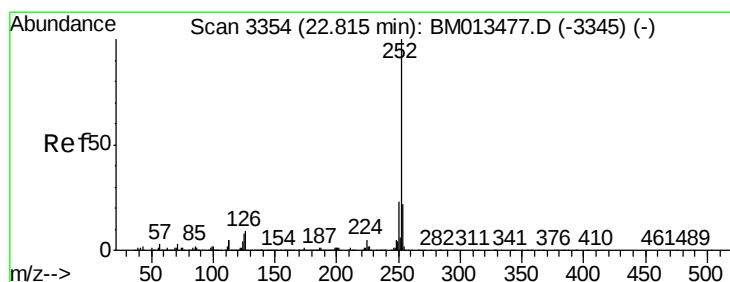
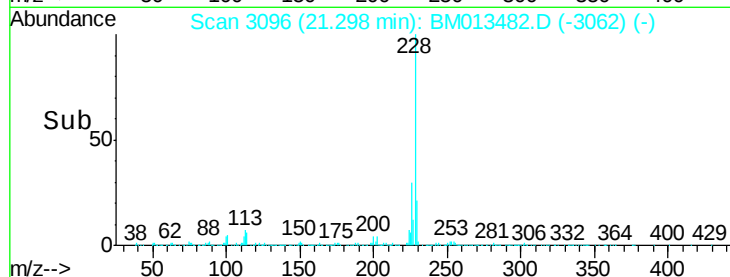
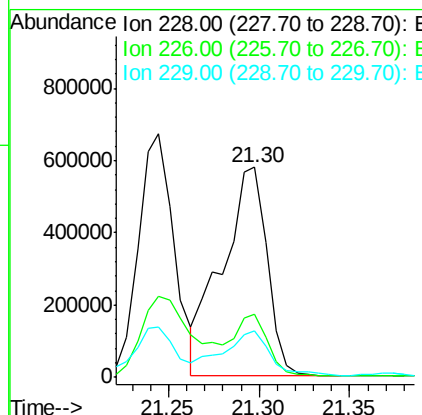
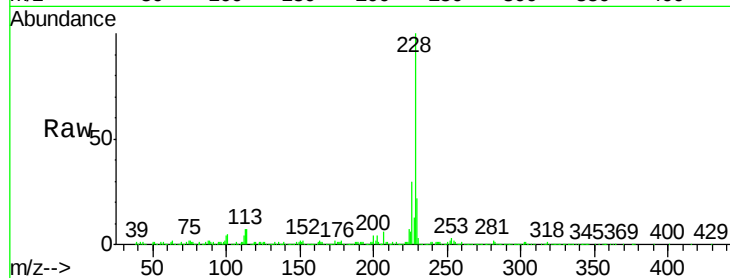
ClientSampled :

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Tgt Ion:	228	Resp:	997633
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.4	35.2
229	22.2	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 36.162 ng/ul

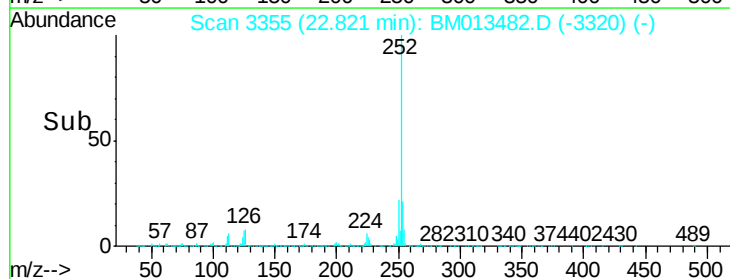
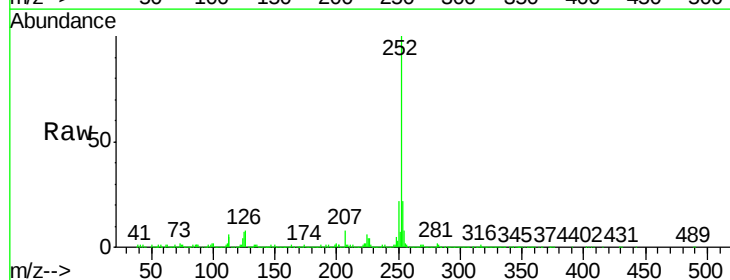
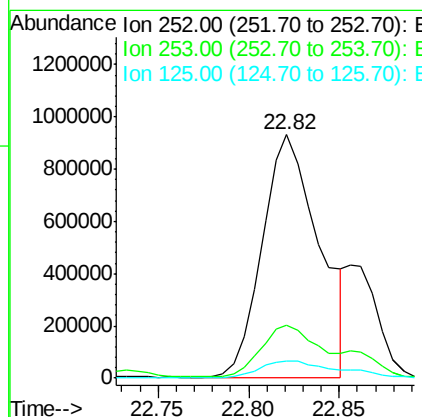
RT: 22.82 min Scan# 3355

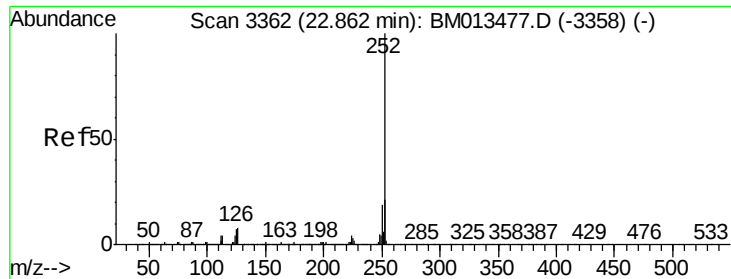
Delta R.T. 0.01 min

Lab File: BM013482.D

Acq: 16 Dec 2017 18:22

Tgt Ion:	252	Resp:	2028263
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.9	26.9
125	7.1	3.6	5.4#





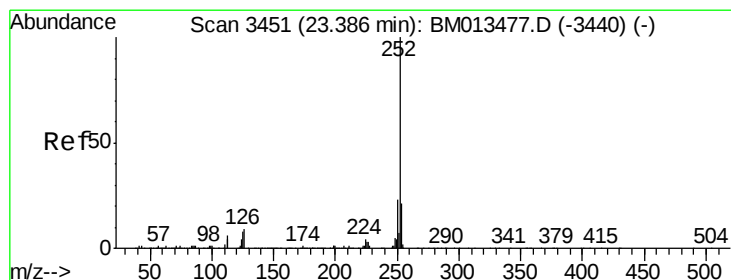
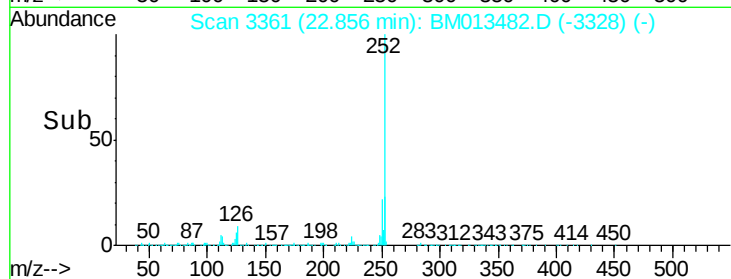
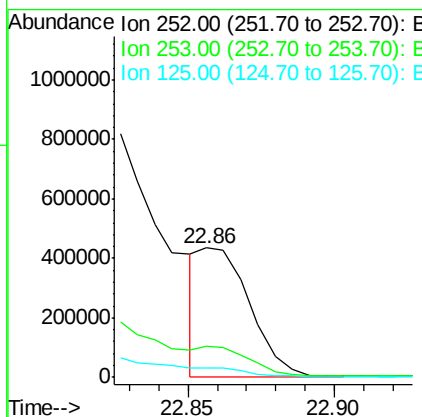
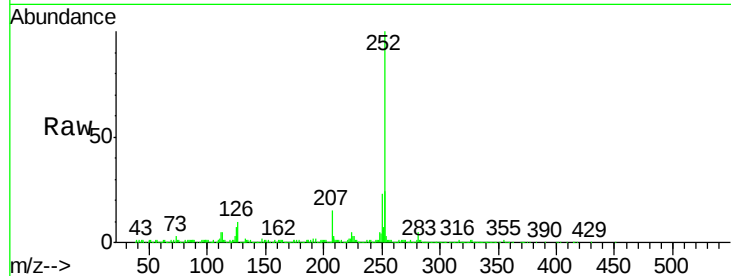
#86
Benzo(k)fluoranthene
Concen: 9.881 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM013482.D
Acq: 16 Dec 2017 18:22

Instrument :
BNA_M
ClientSampled :
F9A95

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	6.9	3.4	5.2#

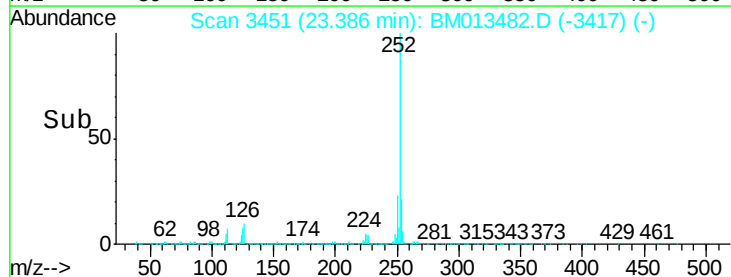
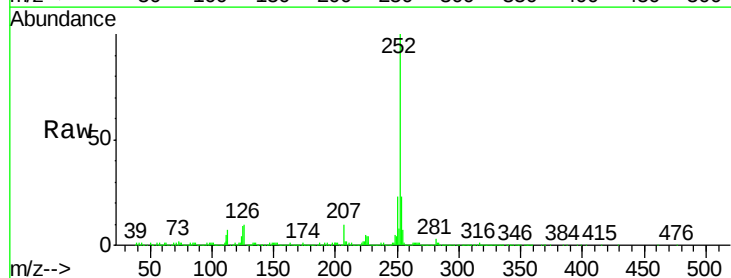
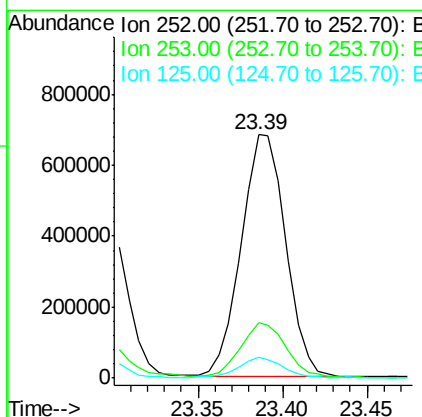
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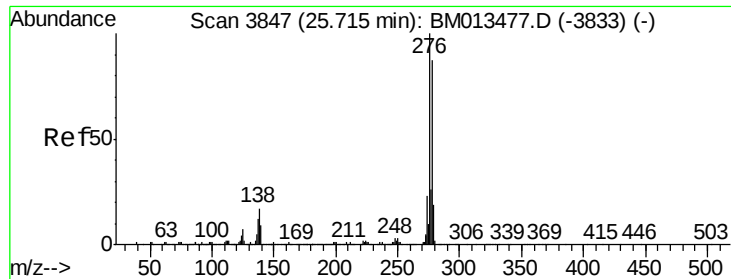
Sohil
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#88
Benzo(a)pyrene
Concen: 24.776 ng/ul
RT: 23.39 min Scan# 3451
Delta R.T. -0.00 min
Lab File: BM013482.D
Acq: 16 Dec 2017 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	8.5	4.0	6.0#





#89

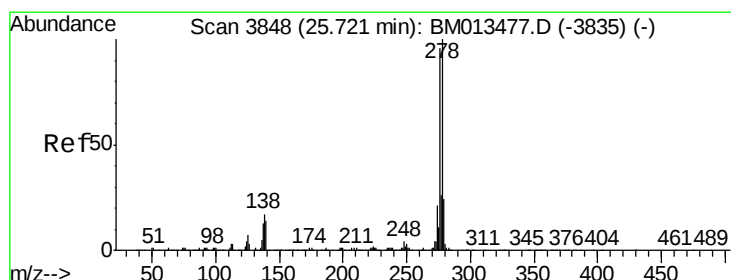
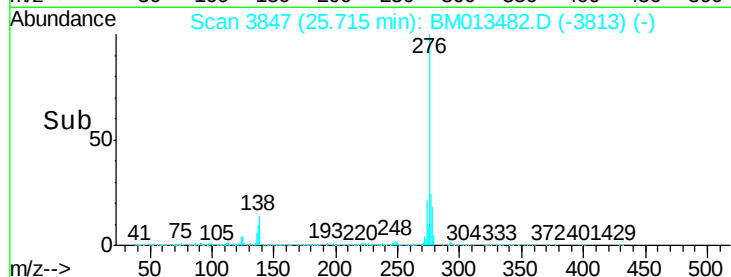
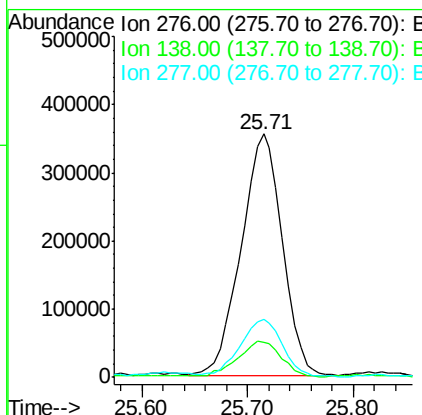
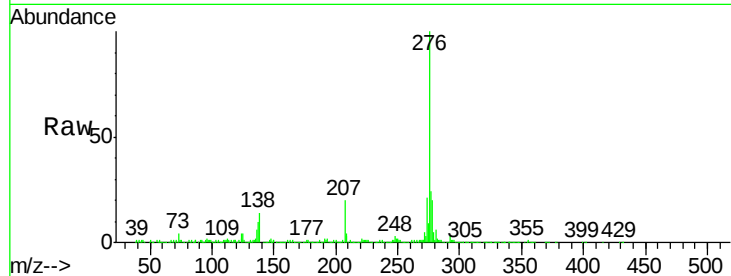
Indeno(1,2,3-cd)pyrene
Concen: 19.140 ng/ul
RT: 25.71 min Scan# 3847
Delta R.T. -0.00 min
Lab File: BM013482.D
Acq: 16 Dec 2017 18:22

Instrument :
BNA_M
ClientSampleId :
F9A95

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	14.2	9.3	13.9#
277	24.0	19.9	29.9

Manual Integrations
APPROVED

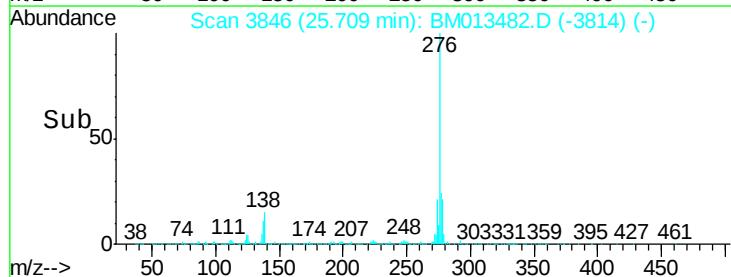
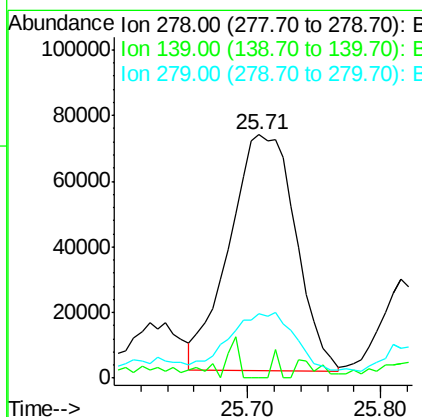
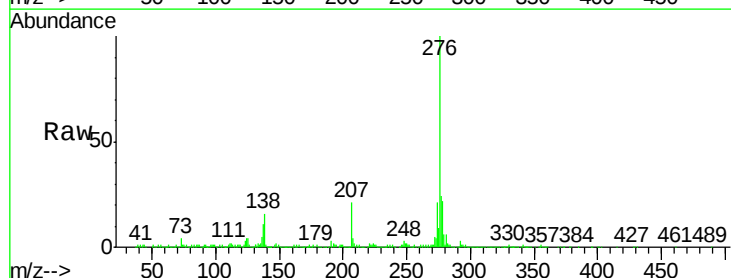
Sohil
12/18/2017 2:10:56 PM

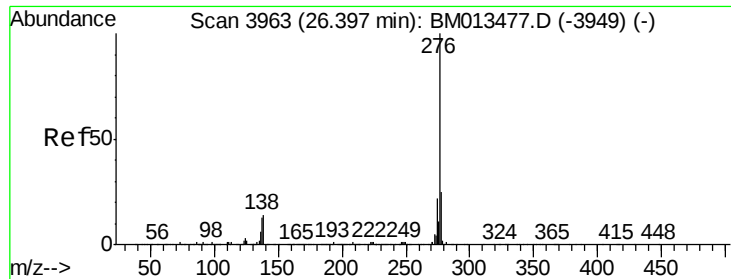


#90

Dibenzo(a,h)anthracene
Concen: 5.811 ng/ul
RT: 25.71 min Scan# 3846
Delta R.T. -0.01 min
Lab File: BM013482.D
Acq: 16 Dec 2017 18:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	2.7	5.8	8.8#
279	26.3	18.6	27.8





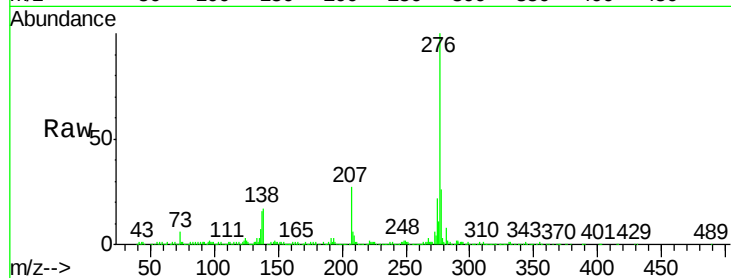
#91
 Benzo(g,h,i)perylene
 Concen: 20.215 ng/ul
 RT: 26.40 min Scan# 3963
 Delta R.T. -0.00 min
 Lab File: BM013482.D
 Acq: 16 Dec 2017 18:22

Instrument :
 BNA_M
 ClientSampleId :
 F9A95

Tgt Ion:	276	Resp:	797125
Ion Ratio	Lower	Upper	
276	100		
138	17.1	8.5	12.7#
277	25.7	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:10:56 PM



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

