

Data File : BM013459.D
Acq On : 16 Dec 2017 03:29
Operator : SJ/JU
Sample : I6779-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A96

Quant Time: Dec 16 04:29:19 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	205729	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	922808	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	577088	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1338685	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1391186	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1102286	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	21022	5.06	ng/uL	0.00
5) Phenol-d5	6.85	99	469117	26.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	291355	28.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	384950	27.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	417286	27.44	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	211414	28.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	236054	30.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	431799	26.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	555216	37.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1490050	29.02	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1829089	28.86	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	175773	19.70	ng/ul	0.00
57) Fluorene-d10	15.32	176	1268573	28.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	147202	17.48	ng/ul	0.00
70) Anthracene-d10	17.16	188	2039002	30.41	ng/ul	0.00
76) Pyrene-d10	19.47	212	2381023	34.35	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1784452	31.78	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.88	94	53088	3.02	ng/ul	93
15) N-Nitroso-di-n-propylamine	8.38	70	11847	1.02	ng/ul#	1
44) Dimethylphthalate	13.78	163	452111	9.20	ng/ul	98
49) Acenaphthene	14.38	153	189479	4.74	ng/ul	96
58) Fluorene	15.37	166	300793	6.17	ng/ul	99
69) Phenanthrene	17.20	178	102642	1.35	ng/ul	98
71) Anthracene	17.20	178	102139	1.31	ng/ul	99
74) Fluoranthene	19.13	202	3313220	35.55	ng/ul#	94
77) Pyrene	19.49	202	2282650	27.01	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	716726	8.12	ng/ul	99
82) Chrysene	21.29	228	645377	7.88	ng/ul	98
85) Benzo(b)fluoranthene	22.82	252	527603	7.10	ng/ul#	95
86) Benzo(k)fluoranthene	22.86	252	148613	2.13	ng/ul#	98
88) Benzo(a)pyrene	23.38	252	286787	4.30	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.70	276	116476	1.76	ng/ul	100
91) Benzo(g,h,i)perylene	26.39	276	86156	1.65	ng/ul#	95

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

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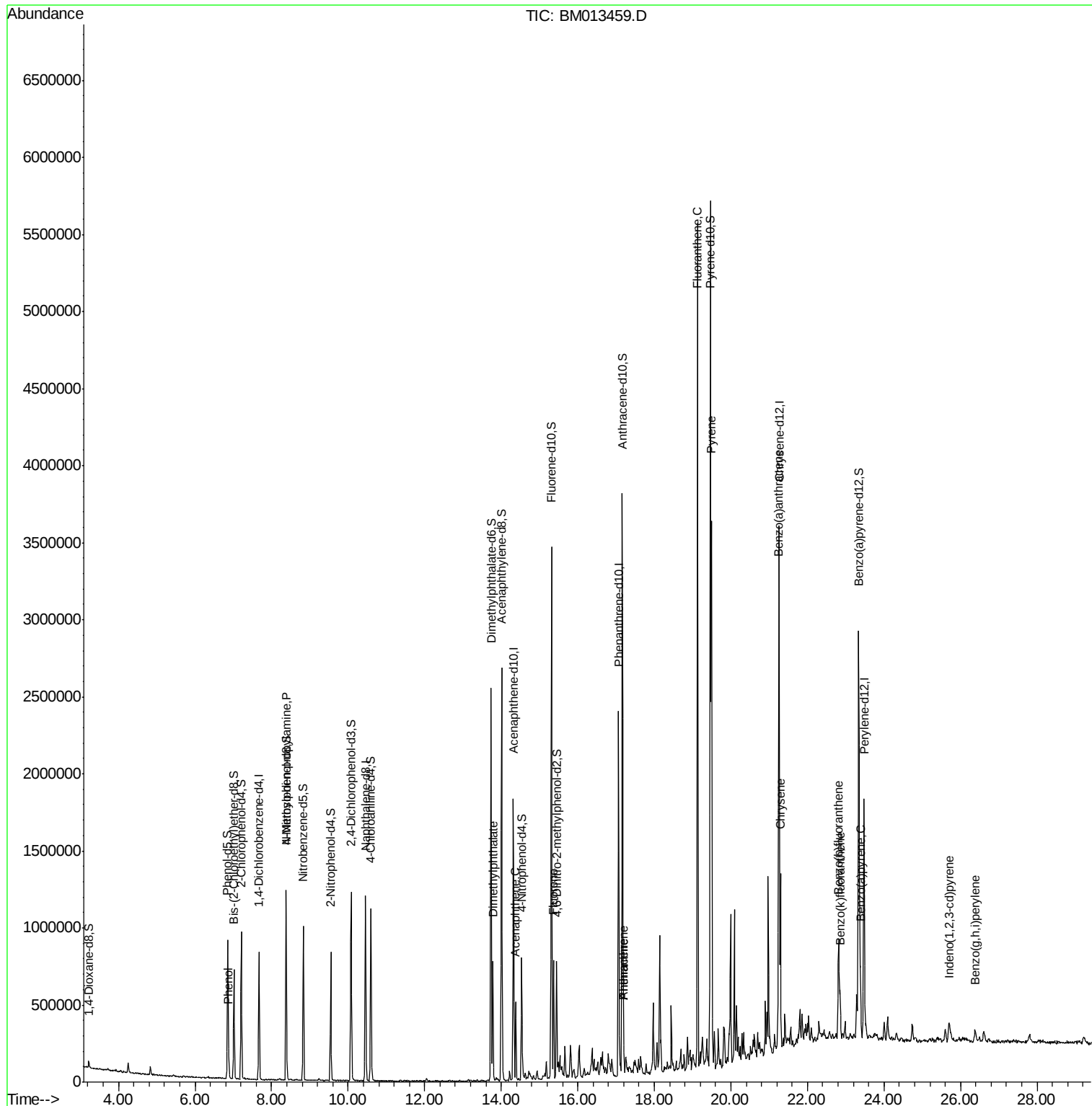
Quant Time: Dec 16 04:29:19 2017

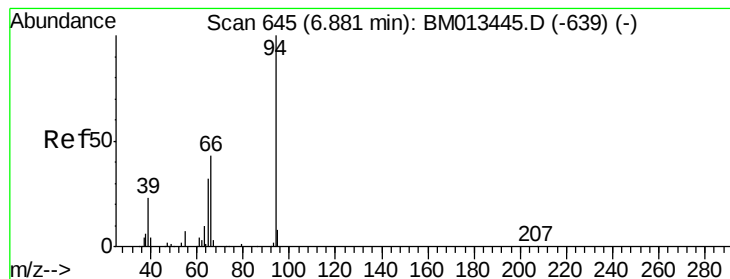
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Dec 16 00:23:08 2017

Response via : Initial Calibration





#6

Phenol

Concen: 3.02 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Instrument :

BNA_M

ClientSampleId :

F9A96

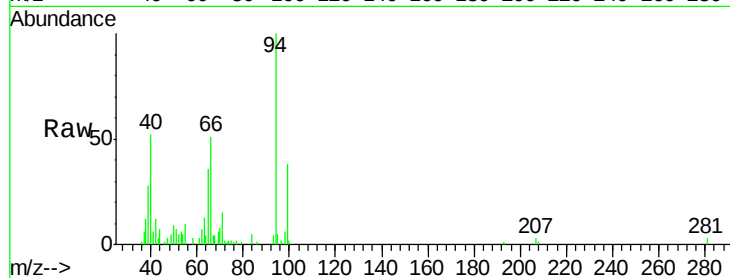
Tgt Ion: 94 Resp: 53088

Ion Ratio Lower Upper

94 100

65 35.7 28.2 42.4

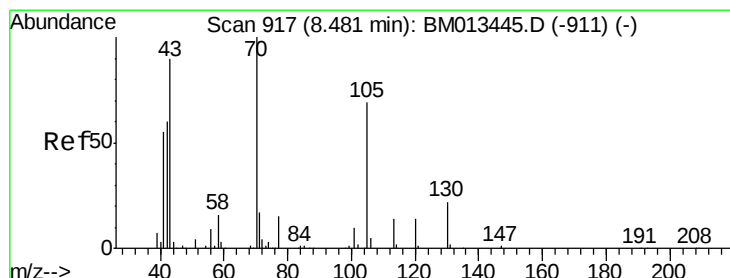
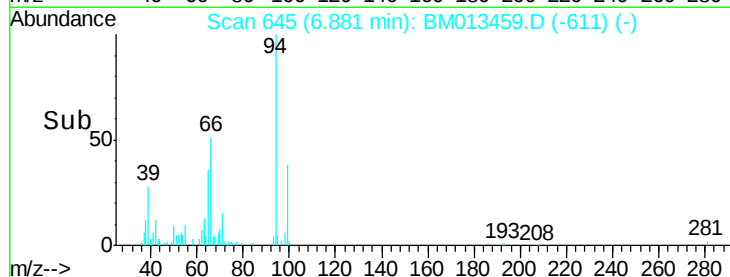
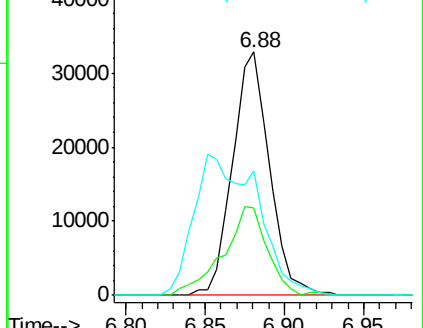
66 51.4 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013445.D (-639) (-)

Ion 65.00 (64.70 to 65.70): BM013445.D (-639) (-)

Ion 66.00 (65.70 to 66.70): BM013445.D (-639) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 1.02 ng/ul

RT: 8.38 min Scan# 900

Delta R.T. -0.10 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Tgt Ion: 70 Resp: 11847

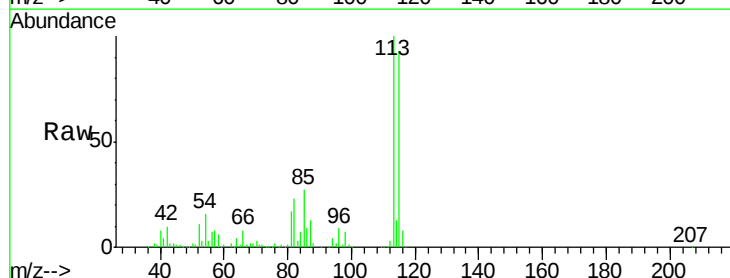
Ion Ratio Lower Upper

70 100

42 346.5 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

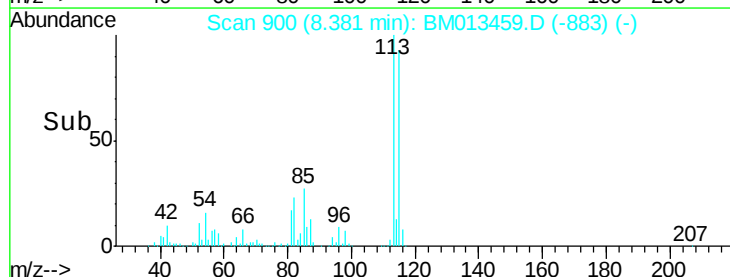
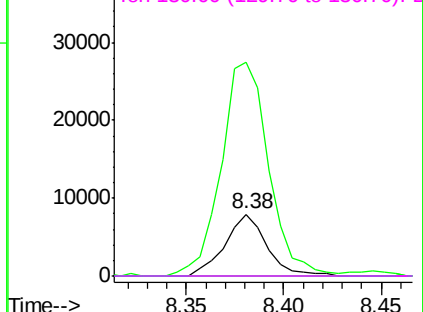


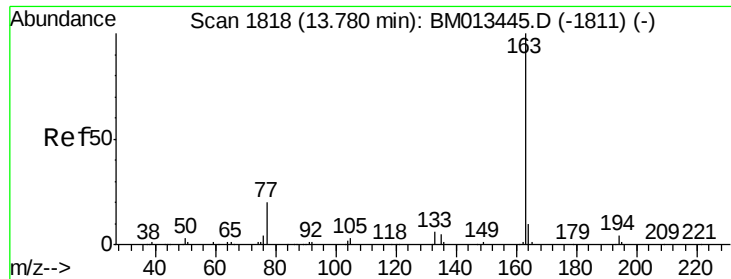
Abundance Ion 70.00 (69.70 to 70.70): BM013445.D (-911) (-)

Ion 42.00 (41.70 to 42.70): BM013445.D (-911) (-)

Ion 101.00 (100.70 to 101.70): BM013445.D (-911) (-)

Ion 130.00 (129.70 to 130.70): BM013445.D (-911) (-)





#44

Dimethylphthalate

Concen: 9.20 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Instrument :

BNA_M

ClientSampleId :

F9A96

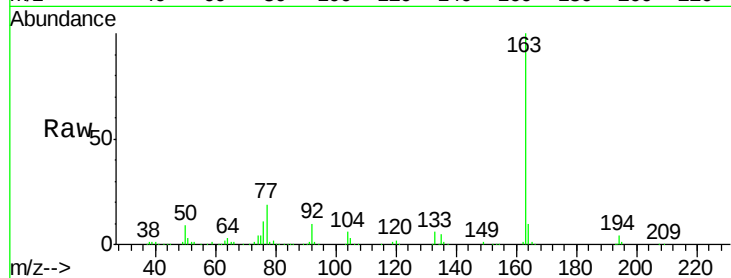
Tgt Ion:163 Resp: 452111

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

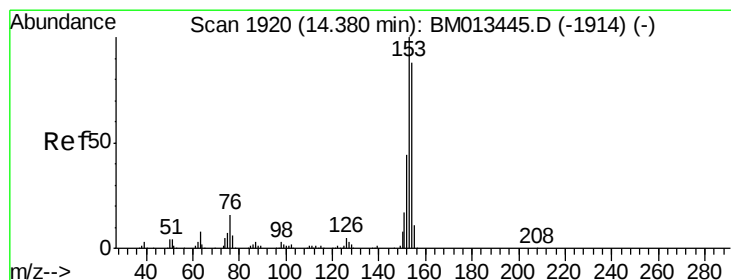
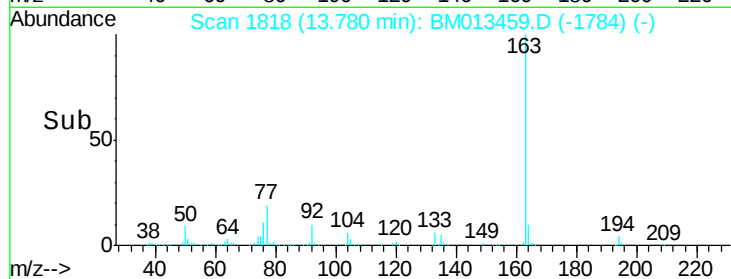
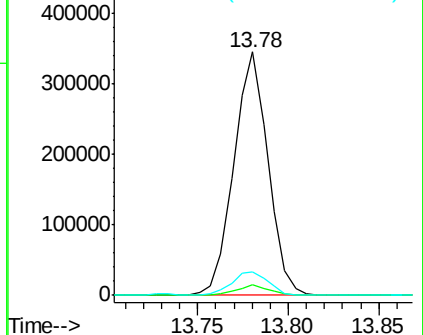
164 9.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 4.74 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

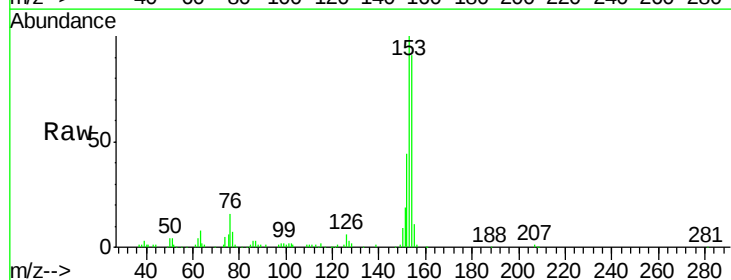
Tgt Ion:153 Resp: 189479

Ion Ratio Lower Upper

153 100

152 44.3 37.6 56.4

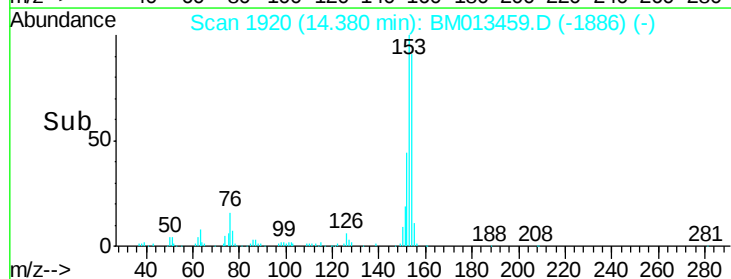
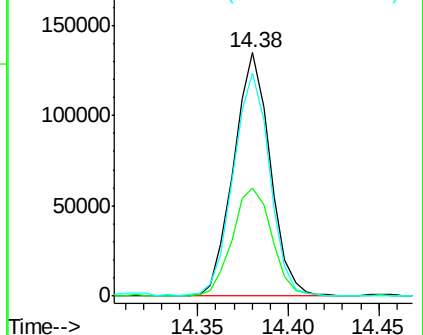
154 91.4 70.4 105.6

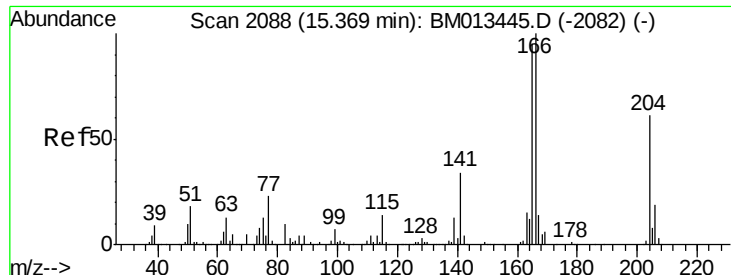


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 6.17 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Instrument :

BNA_M

ClientSampleId :

F9A96

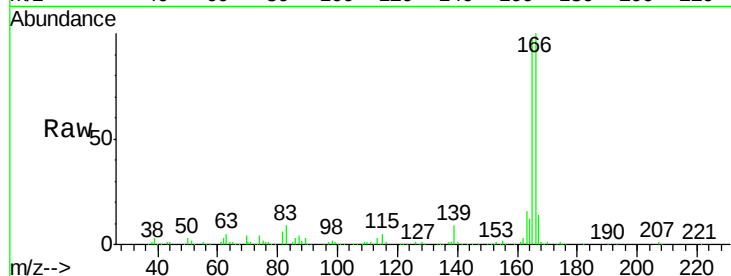
Tgt Ion:166 Resp: 300793

Ion Ratio Lower Upper

166 100

165 96.5 77.9 116.9

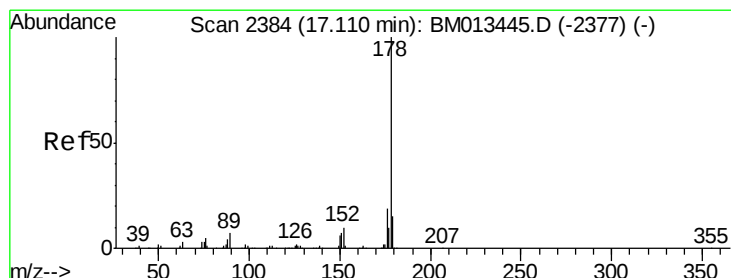
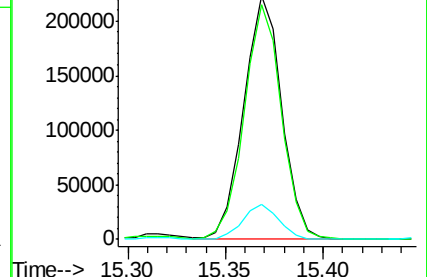
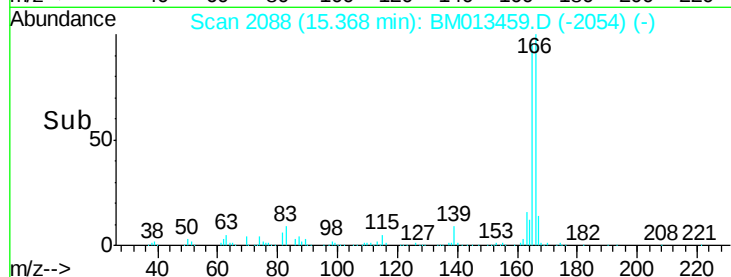
167 14.4 10.6 16.0



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: 1.35 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.09 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

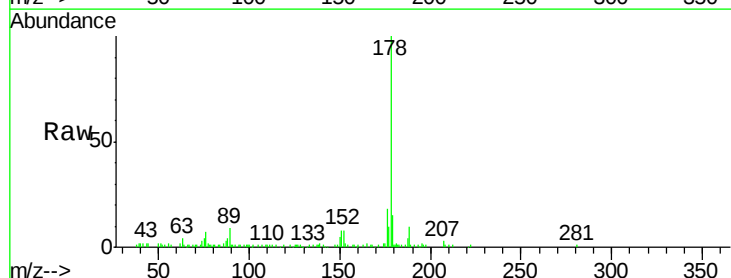
Tgt Ion:178 Resp: 102642

Ion Ratio Lower Upper

178 100

179 14.7 12.6 19.0

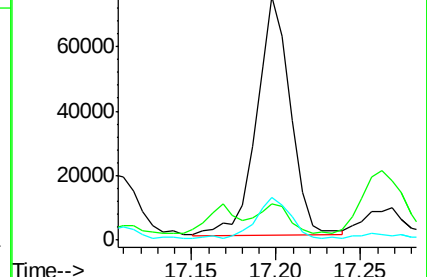
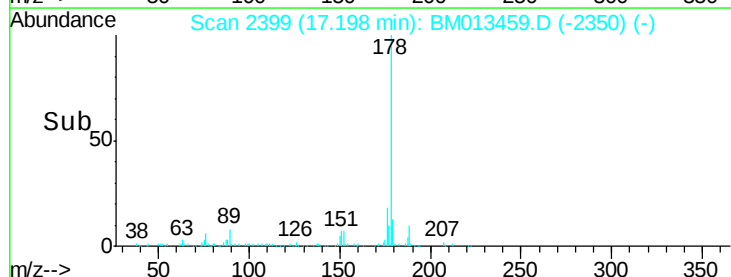
176 17.8 14.9 22.3

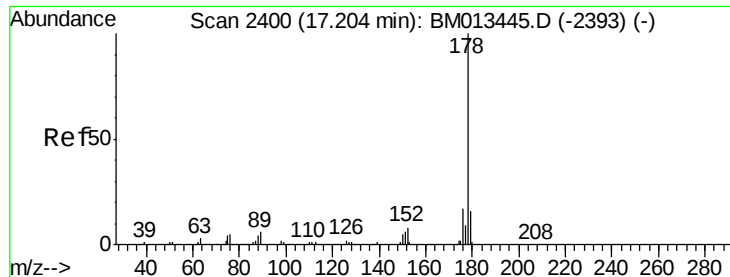


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

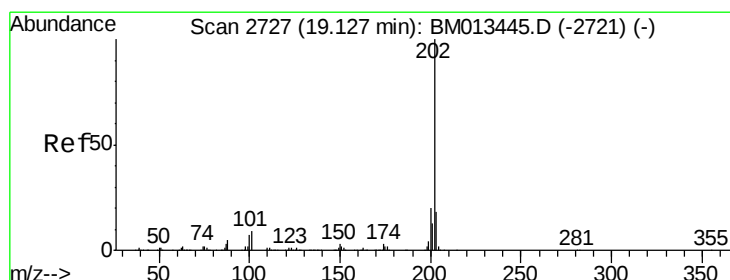
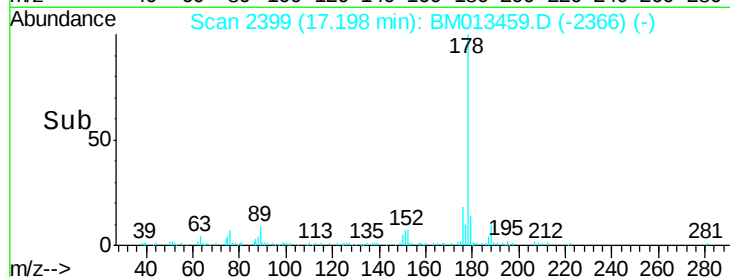
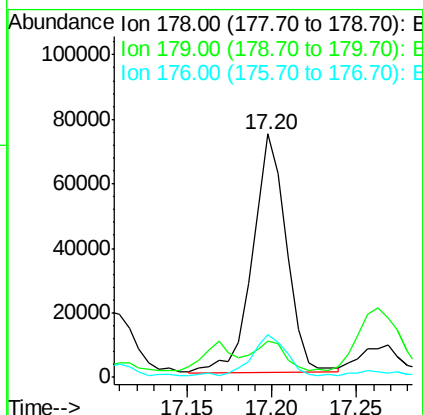
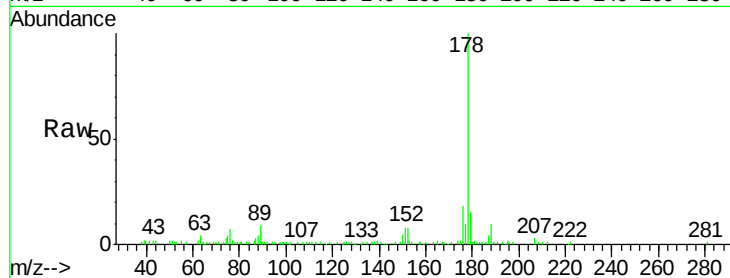




#71
 Anthracene
 Concen: 1.31 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013459.D
 Acq: 16 Dec 2017 03:29

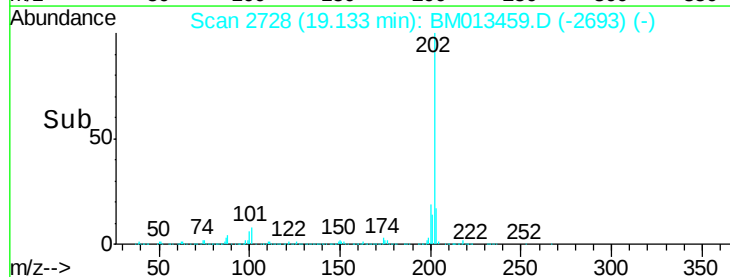
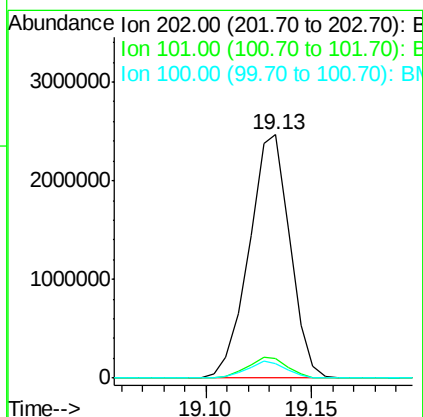
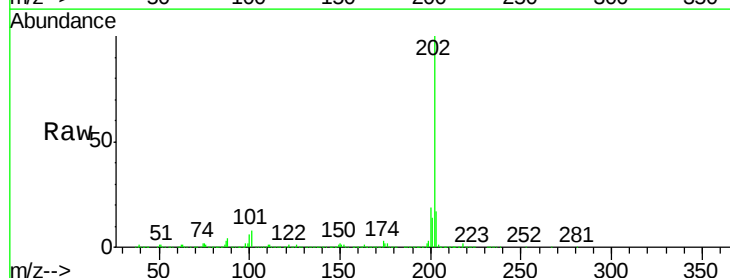
Instrument :
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 F9A96

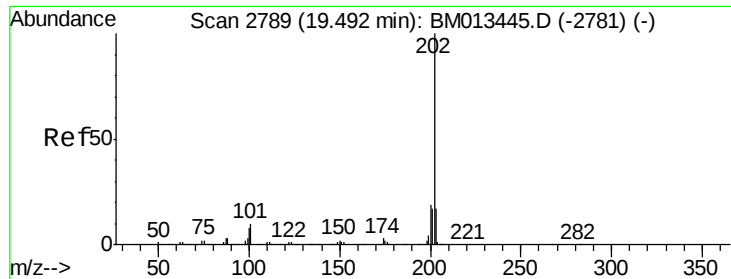
Tgt Ion:178 Resp: 102139
 Ion Ratio Lower Upper
 178 100
 179 14.7 11.7 17.5
 176 17.8 14.6 21.8



#74
 Fluoranthene
 Concen: 35.55 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. 0.01 min
 Lab File: BM013459.D
 Acq: 16 Dec 2017 03:29

Tgt Ion:202 Resp: 3313220
 Ion Ratio Lower Upper
 202 100
 101 8.1 4.6 7.0#
 100 6.1 3.4 5.2#





#77

Pyrene

Concen: 27.01 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Instrument :

BNA_M

ClientSampleId :

F9A96

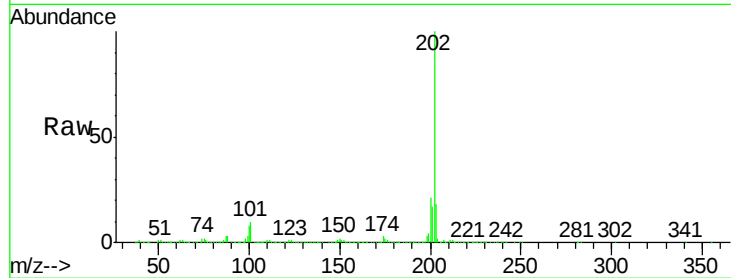
Tgt Ion:202 Resp: 2282650

Ion Ratio Lower Upper

202 100

101 10.1 5.1 7.7#

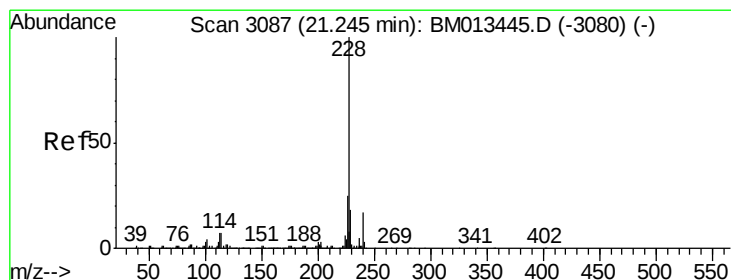
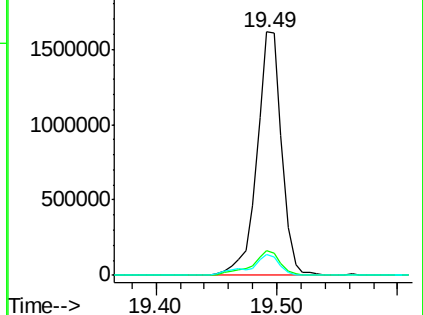
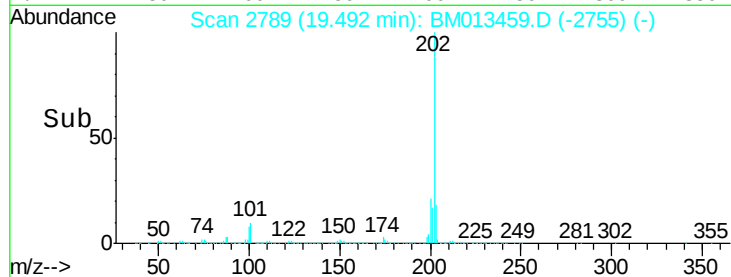
100 8.5 4.9 7.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 8.12 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

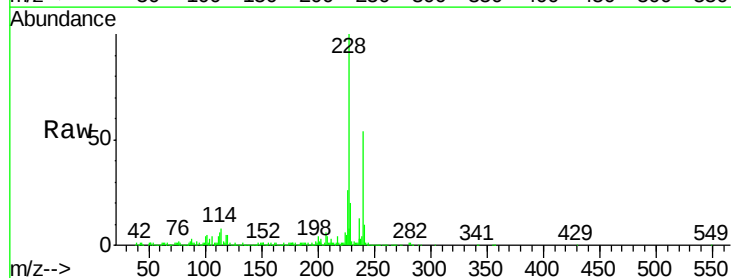
Tgt Ion:228 Resp: 716726

Ion Ratio Lower Upper

228 100

229 20.1 15.4 23.0

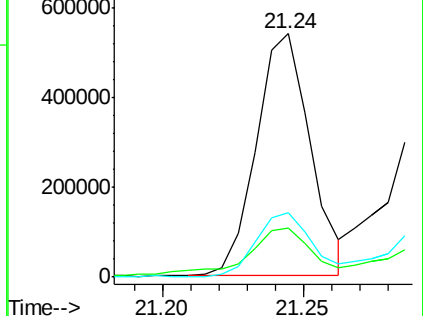
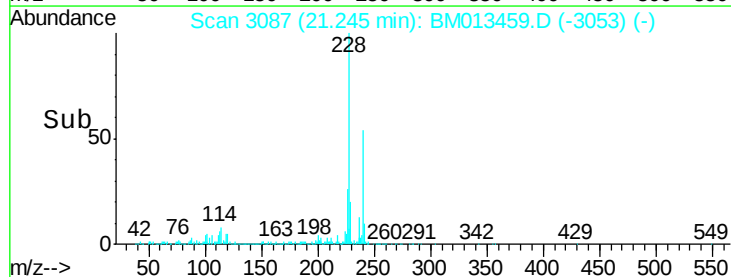
226 26.4 21.4 32.0

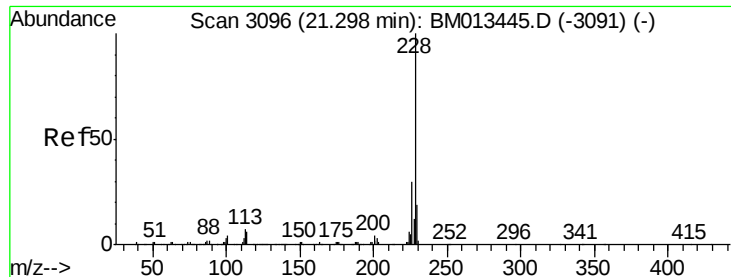


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 7.88 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Instrument :

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ClientSampleId :

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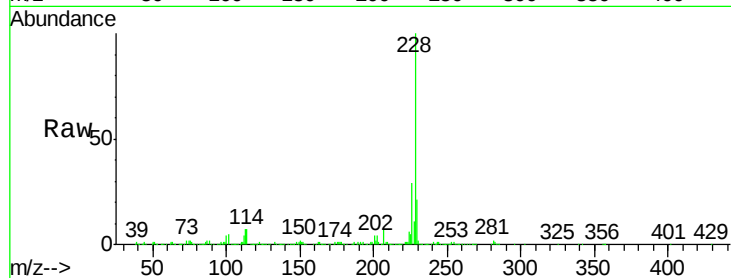
Tgt Ion:228 Resp: 645377

Ion Ratio Lower Upper

228 100

226 29.0 23.4 35.2

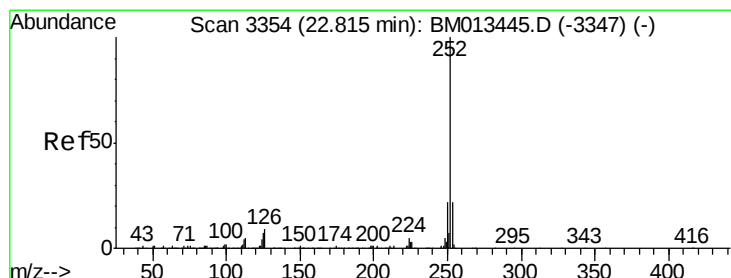
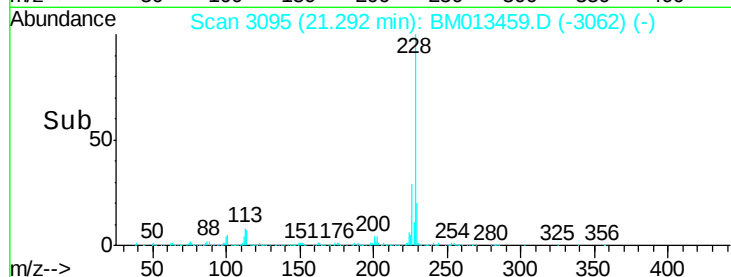
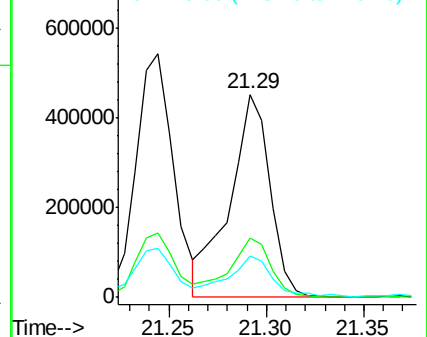
229 20.7 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 7.10 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

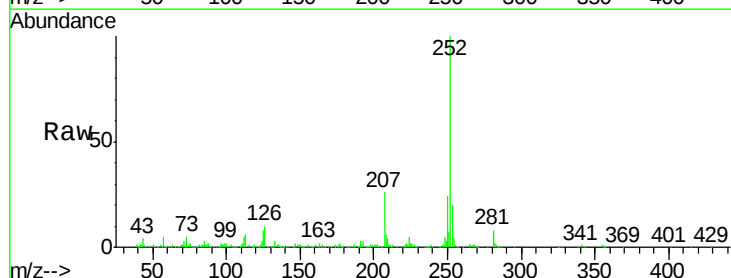
Tgt Ion:252 Resp: 527603

Ion Ratio Lower Upper

252 100

253 20.2 17.9 26.9

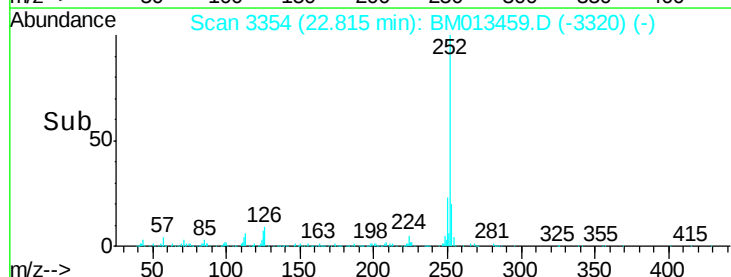
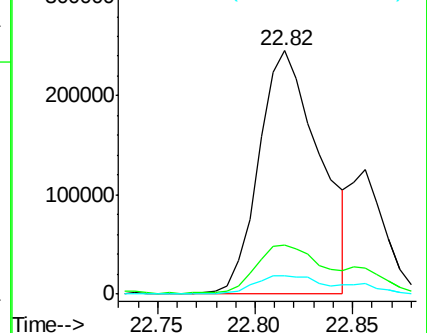
125 7.8 3.6 5.4#

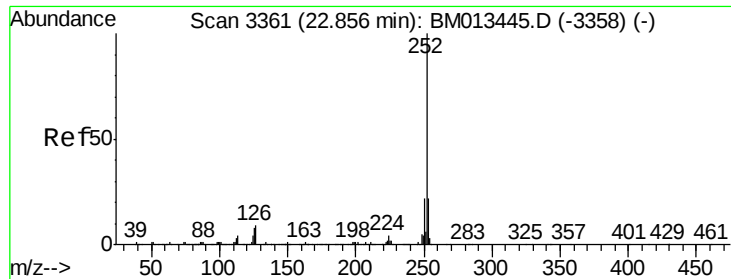


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

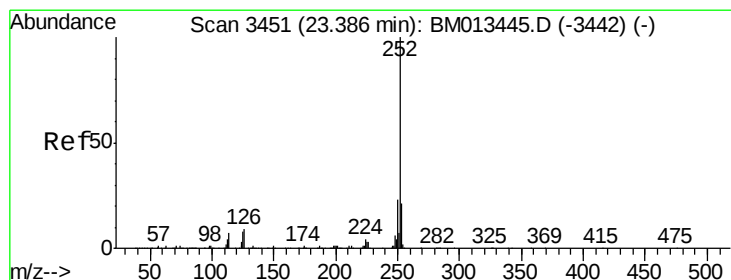
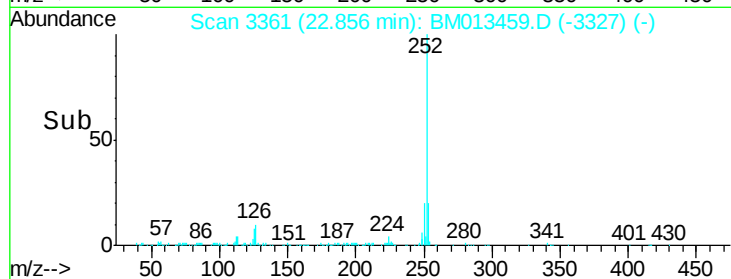
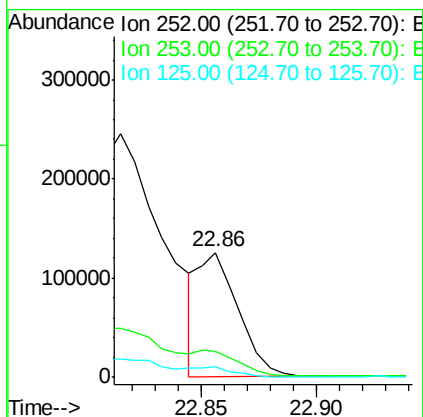
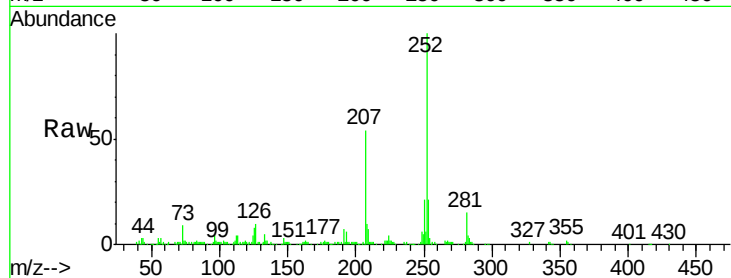




#86
Benzo(k)fluoranthene
Concen: 2.13 ng/ul
RT: 22.86 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM013459.D
Acq: 16 Dec 2017 03:29

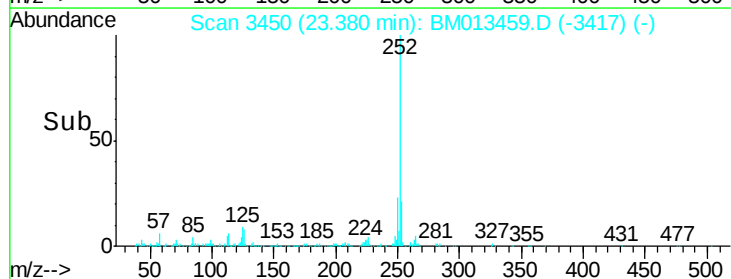
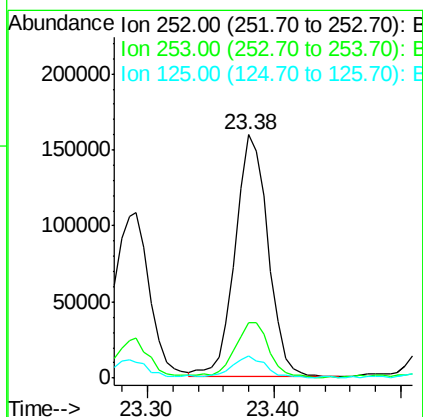
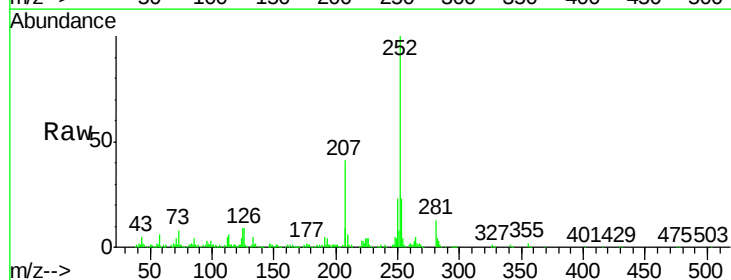
Instrument :
BNA_M
ClientSampleId :
F9A96

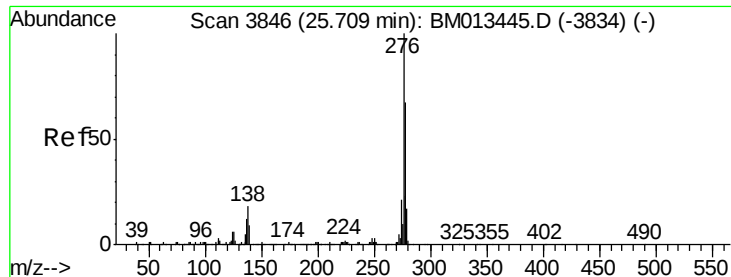
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	8.0	3.4	5.2



#88
Benzo(a)pyrene
Concen: 4.30 ng/ul
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013459.D
Acq: 16 Dec 2017 03:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	9.2	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.76 ng/ul

RT: 25.70 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

Instrument :

BNA_M

ClientSampled :

F9A96

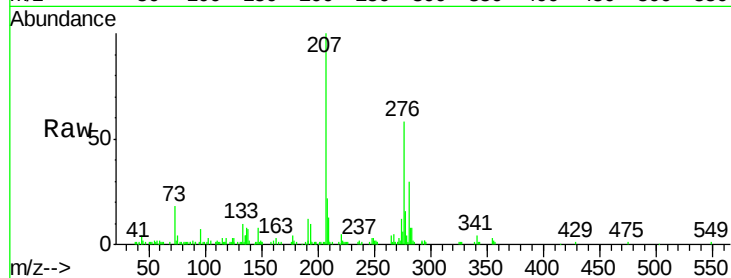
Tgt Ion:276 Resp: 116476

Ion Ratio Lower Upper

276 100

138 11.3 9.3 13.9

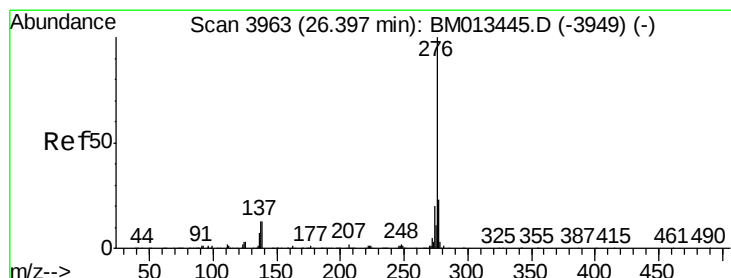
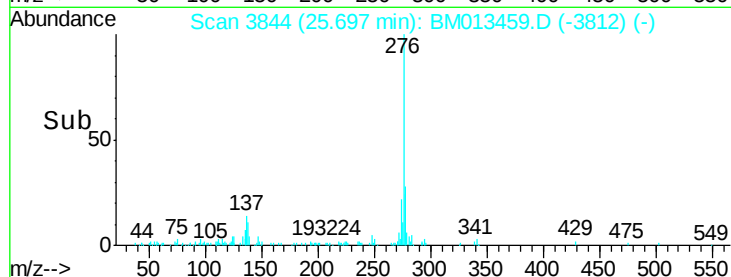
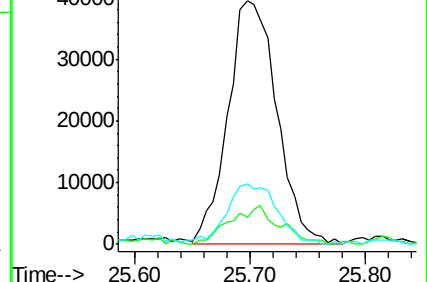
277 24.9 19.9 29.9



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



#91

Benzo(g,h,i)perylene

Concen: 1.65 ng/ul

RT: 26.39 min Scan# 3961

Delta R.T. -0.01 min

Lab File: BM013459.D

Acq: 16 Dec 2017 03:29

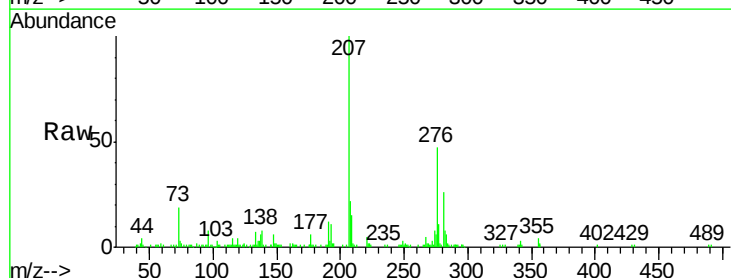
Tgt Ion:276 Resp: 86156

Ion Ratio Lower Upper

276 100

138 16.2 8.5 12.7#

277 23.4 18.6 28.0



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

