

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
 Data File : BM021281.D
 Acq On : 30 Jun 2019 02:42
 Operator : HP/JU
 Sample : K3590-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BA5

Manual Integrations
 APPROVED

mohammad
 7/1/2019 2:43:46 PM

Quant Time: Jun 30 04:15:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 30 03:35:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	365073	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	1633678	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	1018128	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	2076397	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	1469761	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1760632	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	25768	3.35	ng/uL	0.00
5) Phenol-d5	6.93	99	646545	20.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	364521	19.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	535882	20.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	534664	20.16	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	288849	21.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	351062	23.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	655878	21.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	607041	19.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	2024527	22.01	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2397789	21.29	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	250430	16.74	ng/ul	0.00
57) Fluorene-d10	15.40	176	1699128	21.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	202485	15.86	ng/ul	0.00
70) Anthracene-d10	17.25	188	2297809	21.30	ng/ul	0.00
78) Pyrene-d10	19.54	212	2088100	23.68	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.46	264	2251090	21.67	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.96	94	38318	1.275	ng/ul 95
44) Dimethylphthalate	13.86	163	419599	5.011	ng/ul 99
69) Phenanthrene	17.19	178	1487835	12.956	ng/ul 99
71) Anthracene	17.29	178	191506	1.636	ng/ul 100
74) Carbazole	17.56	167	207665	2.153	ng/ul 98
76) Fluoranthene	19.21	202	4160624	33.531	ng/ul 99
79) Pyrene	19.57	202	3304712	31.805	ng/ul 100
82) Benzo(a)anthracene	21.32	228	1568789	15.656	ng/ul 98
83) Bis(2-ethylhexyl)phthalate	21.24	149	76411	1.395	ng/ul# 97
84) Chrysene	21.37	228	1901030	20.257	ng/ul 99
87) Benzo(b)fluoranthene	22.93	252	2940375	26.365	ng/ul 99
88) Benzo(k)fluoranthene	22.96	252	906531m	8.449	ng/ul
90) Benzo(a)pyrene	23.51	252	1718423	16.370	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.90	276	1500290	12.137	ng/ul 95
92) Dibenzo(a,h)anthracene	25.91	278	369833m	3.557	ng/ul
93) Benzo(g,h,i)perylene	26.61	276	1350774	13.268	ng/ul 98

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

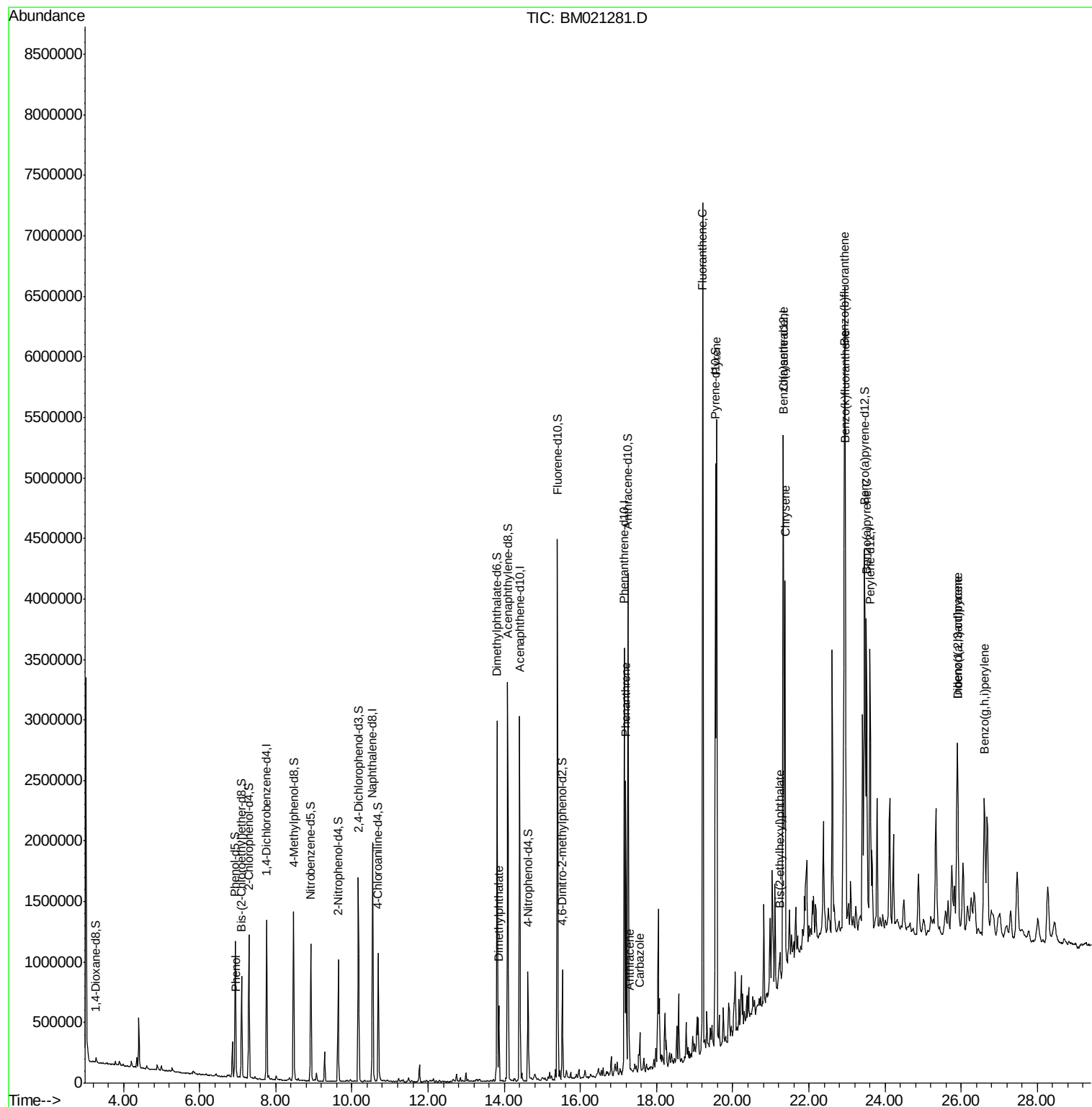
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021281.D
Acq On : 30 Jun 2019 02:42
Operator : HP/JU
Sample : K3590-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

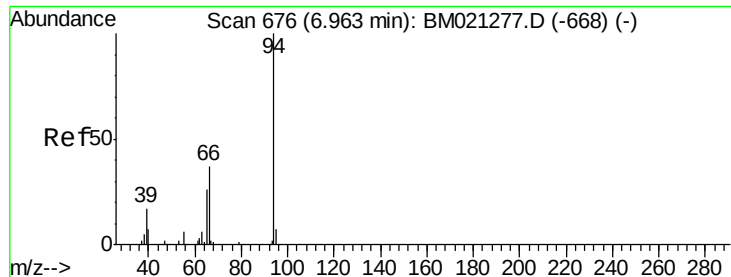
Instrument :
BNA_M
ClientSampleId :
C5BA5

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Jun 30 03:35:19 2019
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#6

Phenol

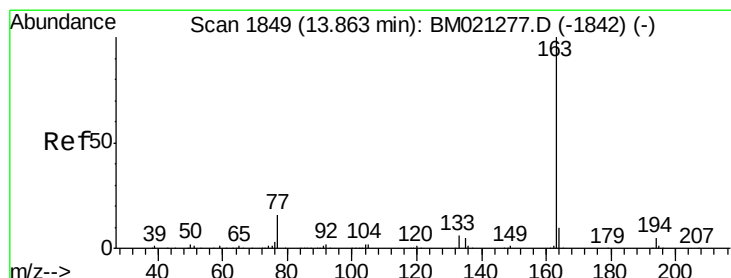
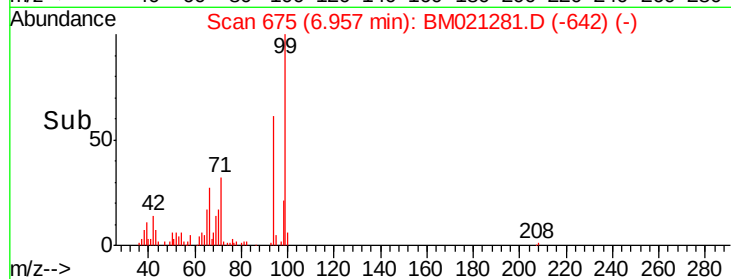
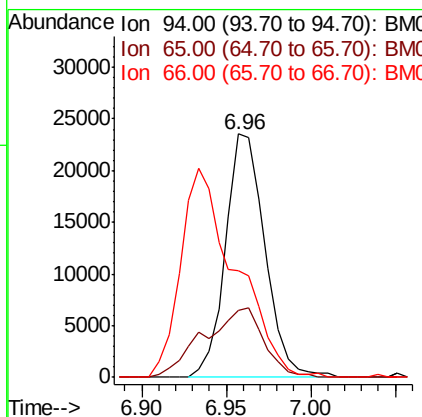
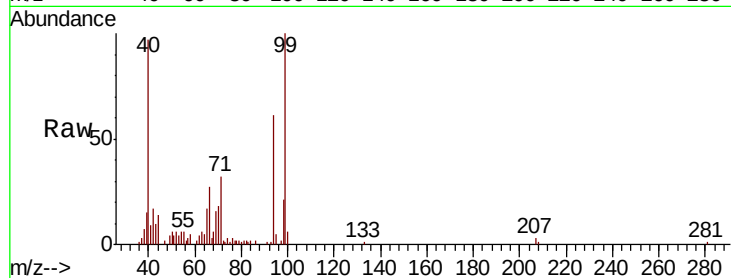
Concen: 1.275 ng/ul
 RT: 6.96 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BM021281.D
 Acq: 30 Jun 2019 02:42

Instrument :
 BNA_M
 ClientSampleId :
 C5BA5

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.6	22.6	34.0
66	44.0	31.2	46.8

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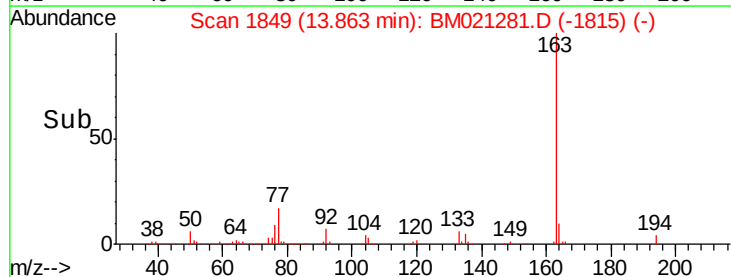
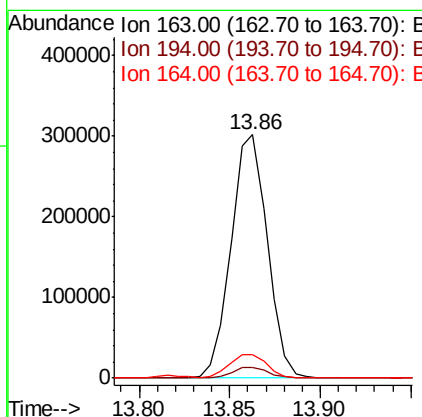
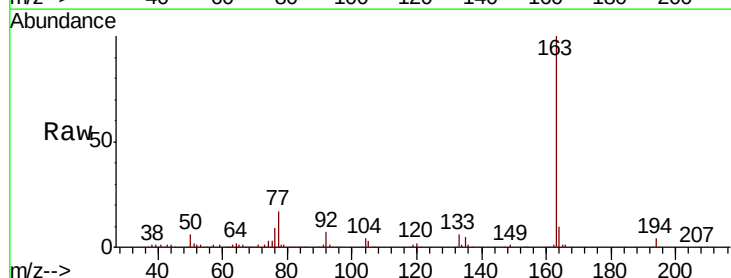


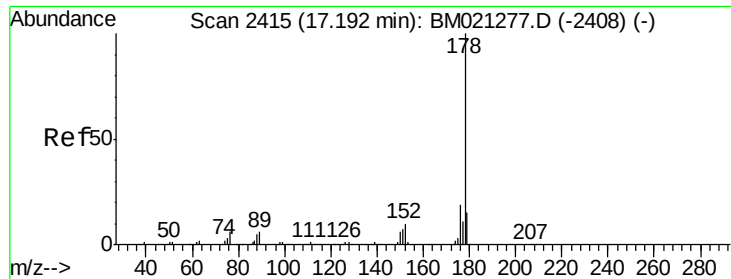
#44

Dimethylphthalate

Concen: 5.011 ng/ul
 RT: 13.86 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BM021281.D
 Acq: 30 Jun 2019 02:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.9	7.7	11.5





#69

Phenanthrene

Concen: 12.956 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

Instrument :

BNA_M

ClientSampleId :

C5BA5

Tot Ion:178 Resp: 1487835

Ion Ratio Lower Upper

178 100

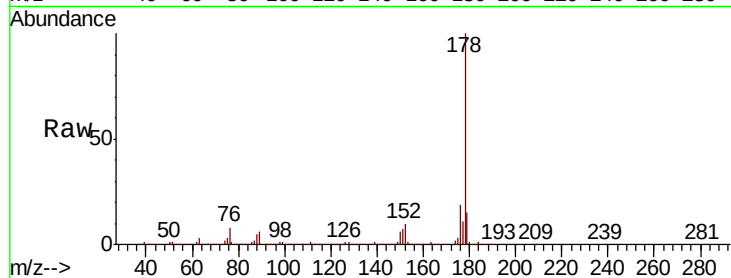
179 15.4 11.8 17.8

176 19.0 15.0 22.6

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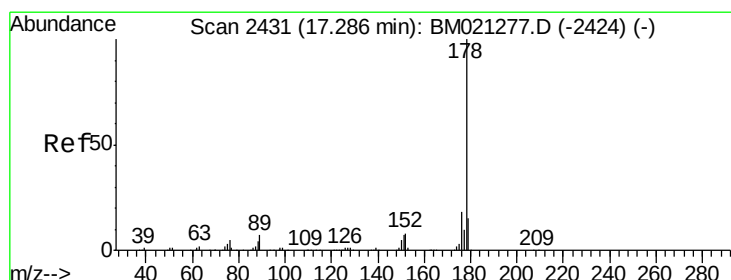
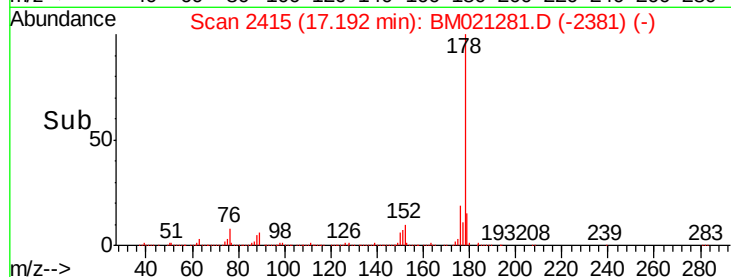
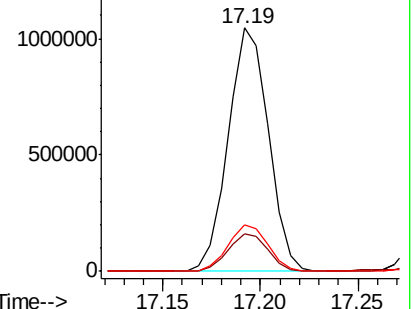
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.636 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

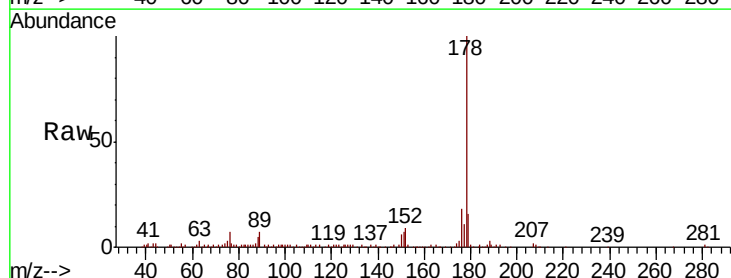
Tgt Ion:178 Resp: 191506

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

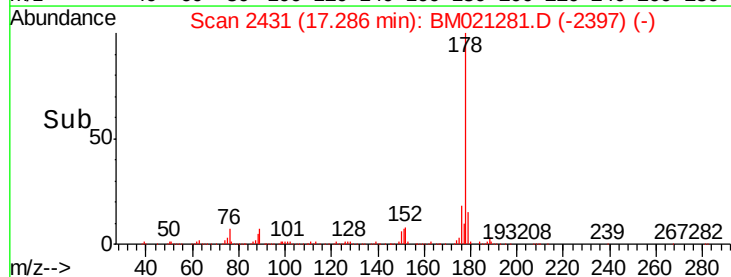
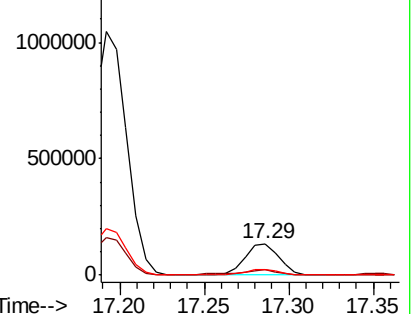
176 18.2 14.6 21.8

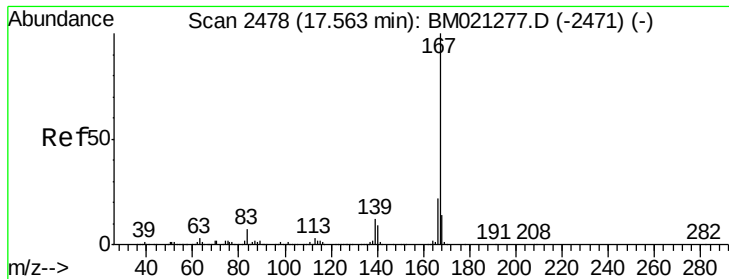


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 2.153 ng/ul

RT: 17.56 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

Instrument :

BNA_M

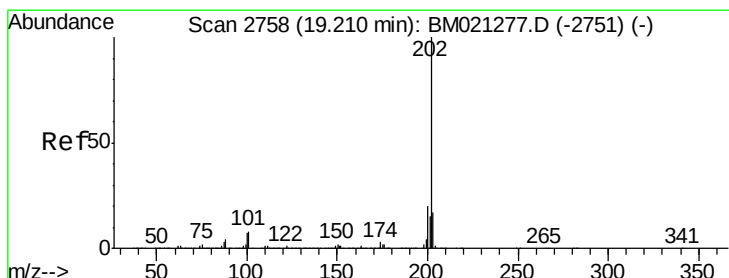
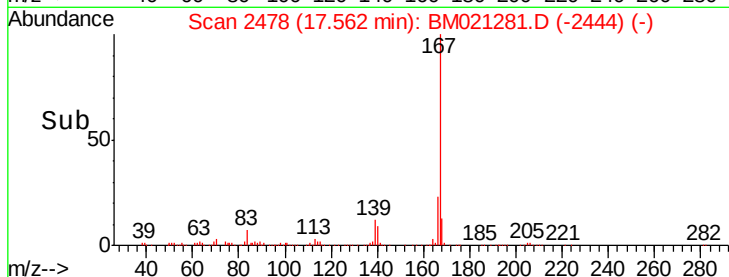
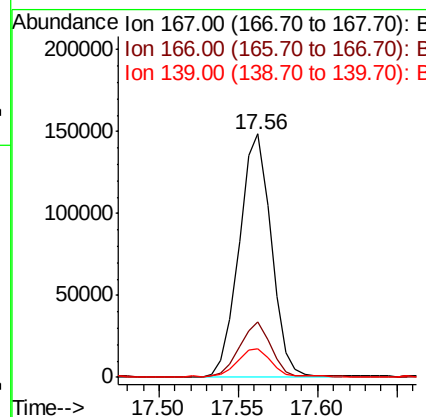
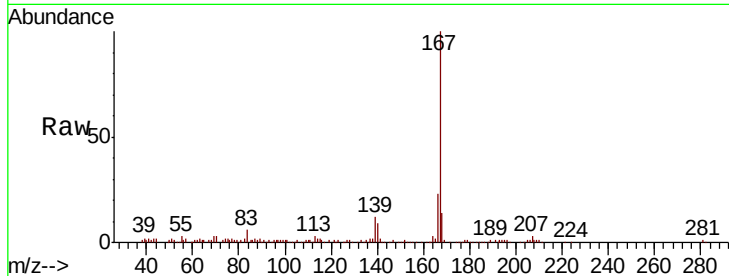
ClientSampleId :

C5BA5

Tot Ion:	167	Resp:	207665
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.4	26.2
139	11.9	9.8	14.6

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#76

Fluoranthene

Concen: 33.531 ng/ul

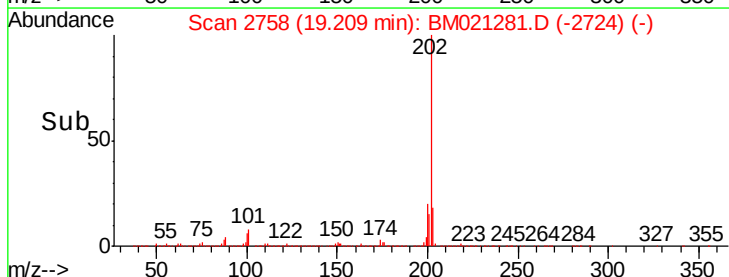
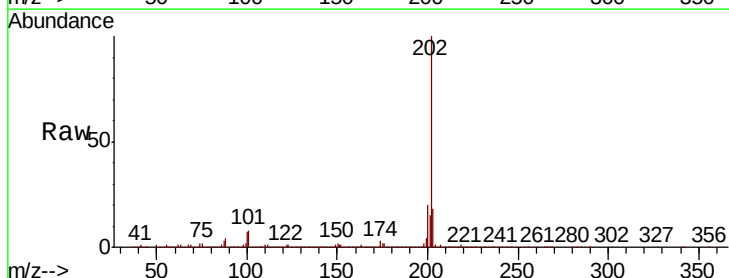
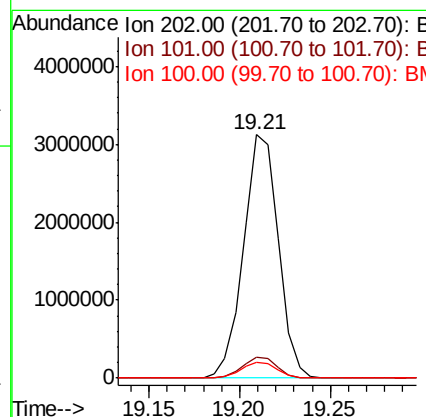
RT: 19.21 min Scan# 2758

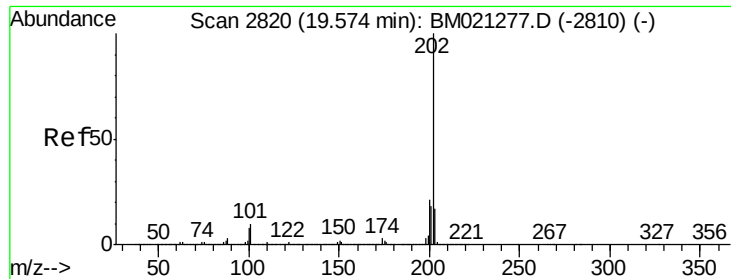
Delta R.T. -0.00 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

Tgt Ion:	202	Resp:	4160624
Ion Ratio	Lower	Upper	
202	100		
101	8.4	6.7	10.1
100	6.5	5.5	8.3





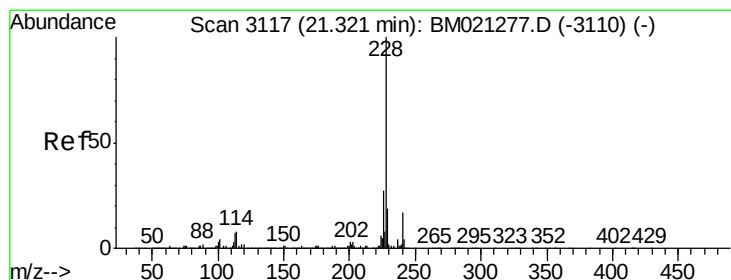
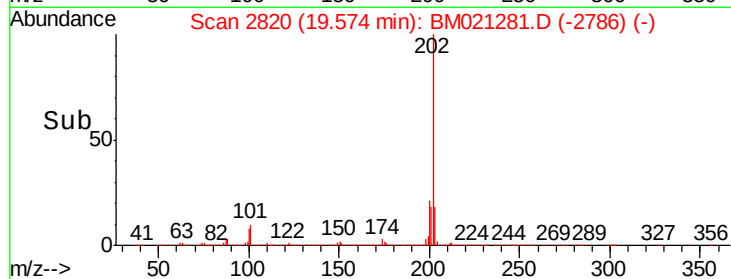
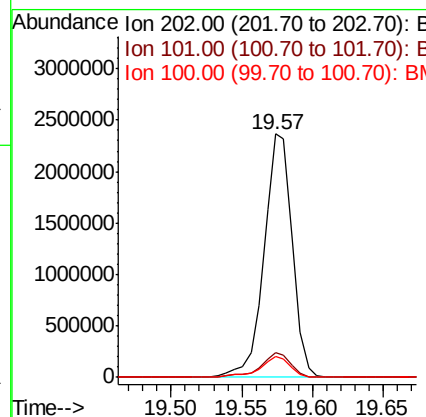
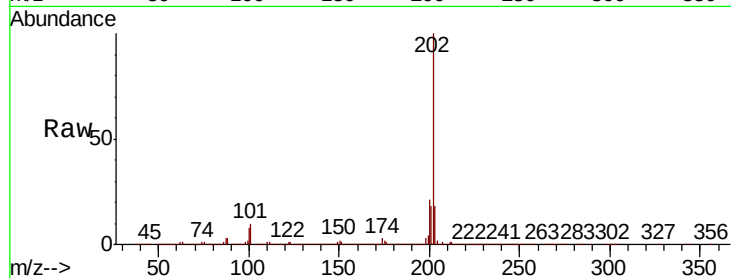
#79
Pvrene
Concen: 31.805 ng/ul
RT: 19.57 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BM021281.D
Acq: 30 Jun 2019 02:42

Instrument :
BNA_M
ClientSampleId :
C5BA5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.1	12.1
100	8.5	6.6	10.0

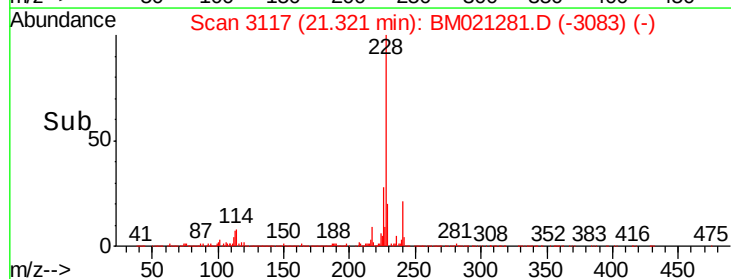
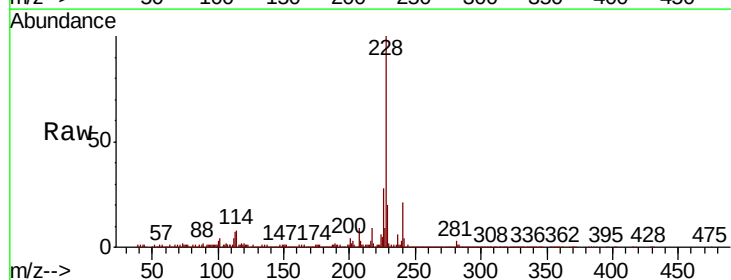
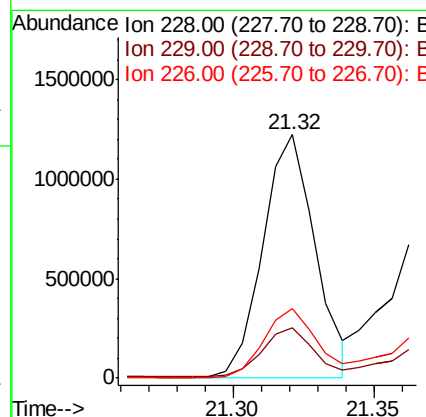
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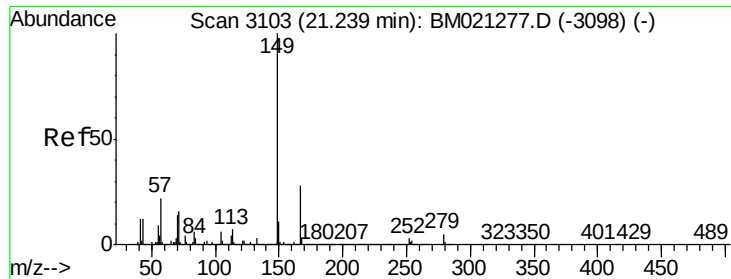
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#82
Benzo(a)anthracene
Concen: 15.656 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. -0.00 min
Lab File: BM021281.D
Acq: 30 Jun 2019 02:42

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.8	23.8
226	28.5	21.4	32.2





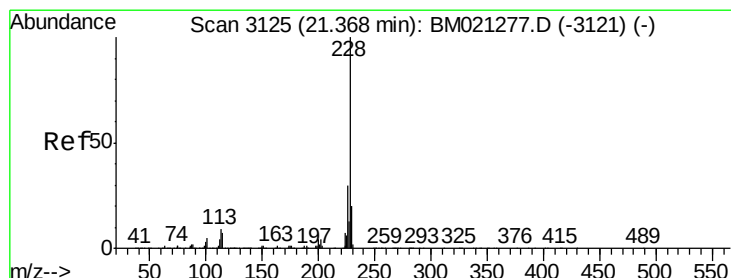
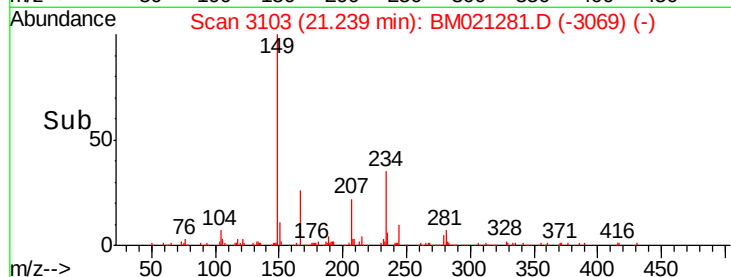
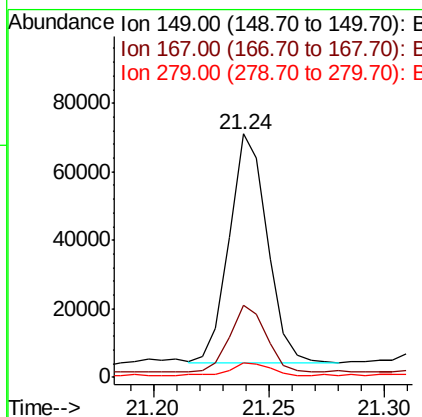
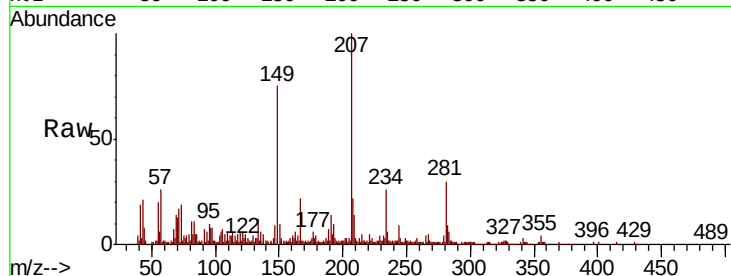
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.395 ng/ul
 RT: 21.24 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: BM021281.D
 Acq: 30 Jun 2019 02:42

Instrument :
 BNA_M
 ClientSampleId :
 C5BA5

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.3	33.5
279	5.8	3.8	5.6

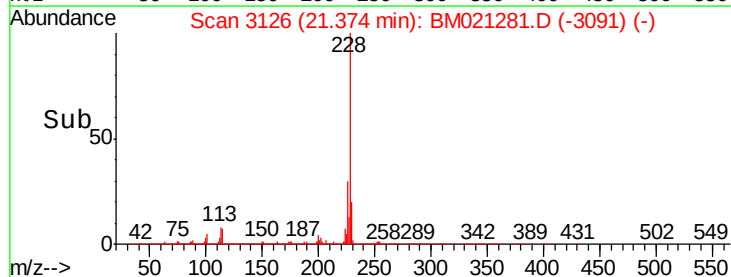
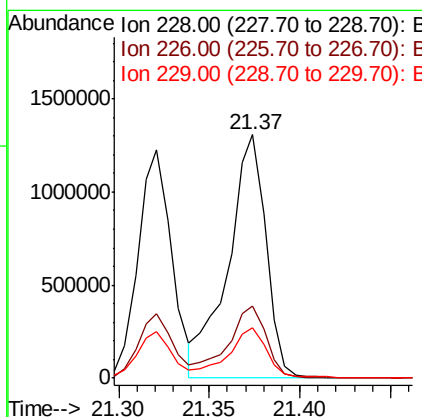
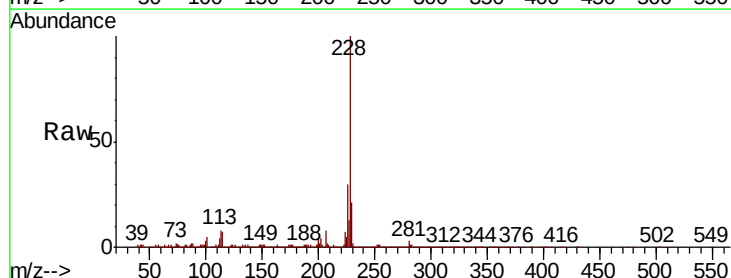
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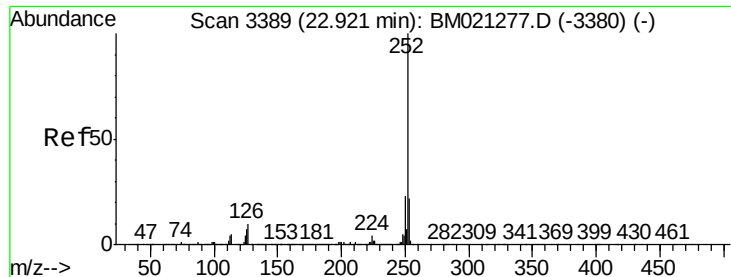
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#84
 Chrysene
 Concen: 20.257 ng/ul
 RT: 21.37 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BM021281.D
 Acq: 30 Jun 2019 02:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	20.5	15.4	23.2





#87

Benzo(b)fluoranthene

Concen: 26.365 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

Instrument :

BNA_M

ClientSampleId :

C5BA5

Tot Ion:252 Resp: 2940375

Ion Ratio Lower Upper

252 100

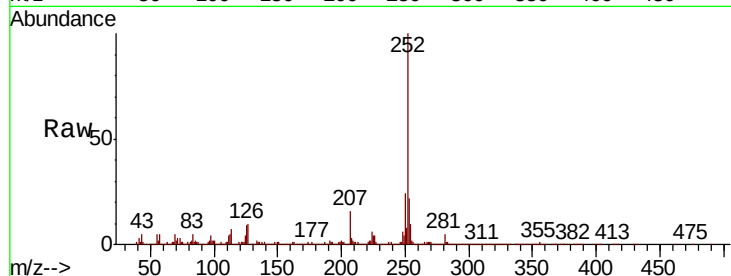
253 22.3 17.5 26.3

125 8.5 6.3 9.5

Manual Integrations
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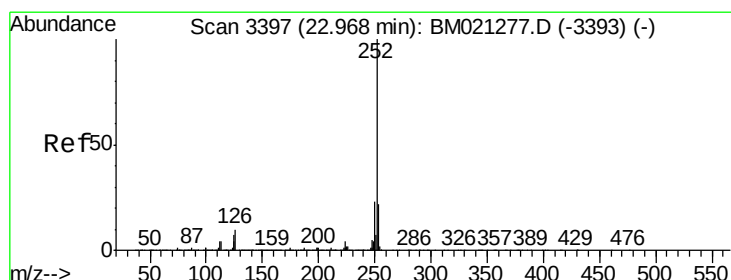
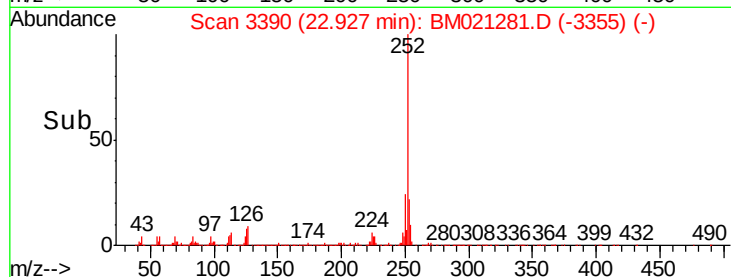
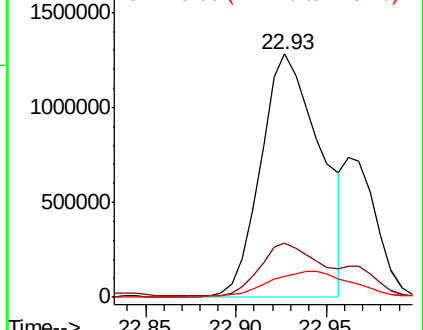


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 8.449 ng/ul m

RT: 22.96 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

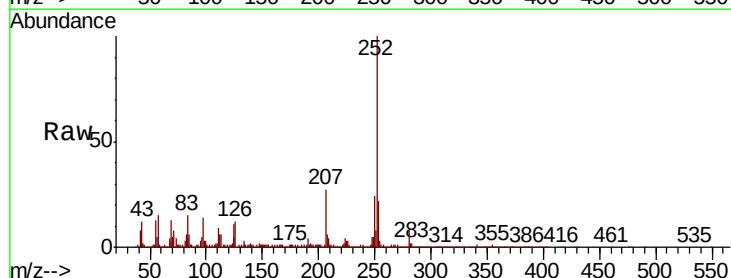
Tgt Ion:252 Resp: 906531

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.4 6.6 9.8#

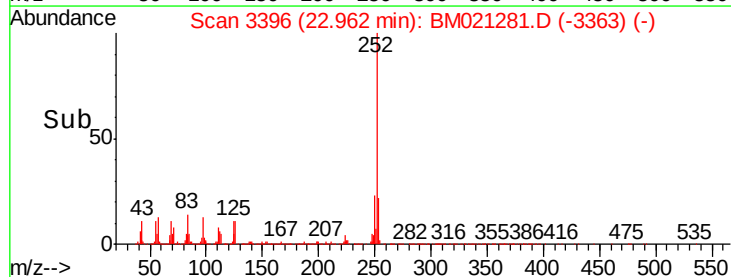
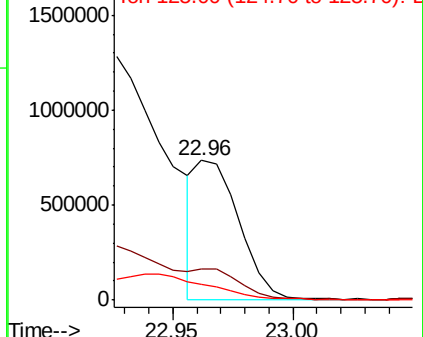


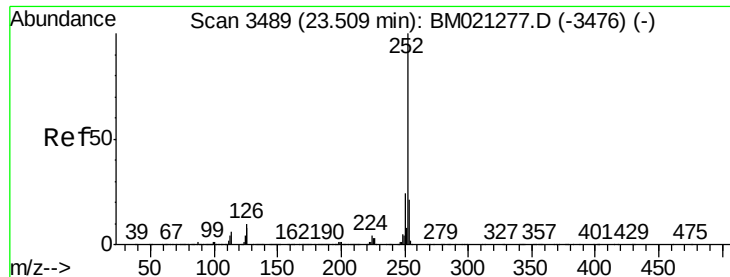
Abundance

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





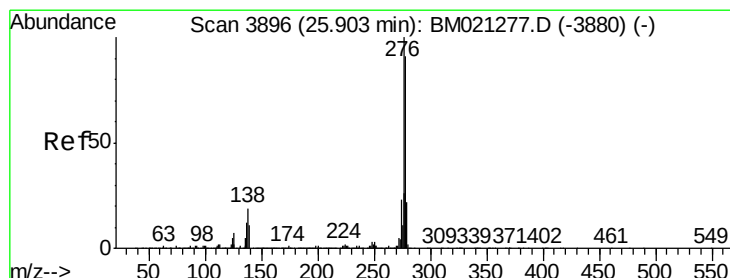
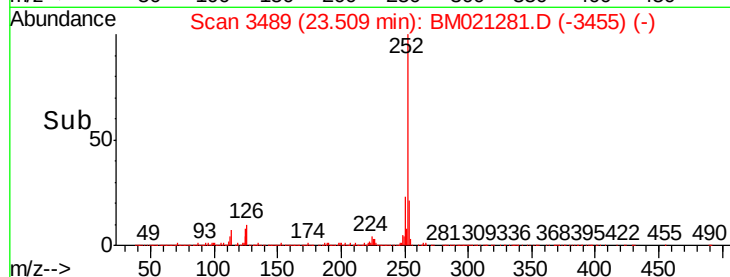
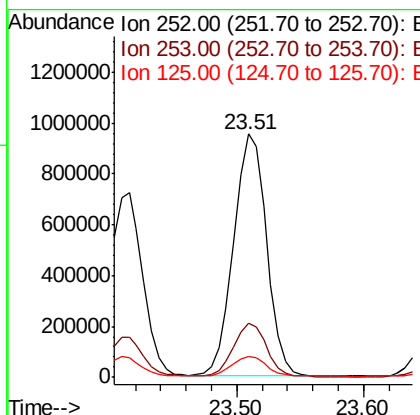
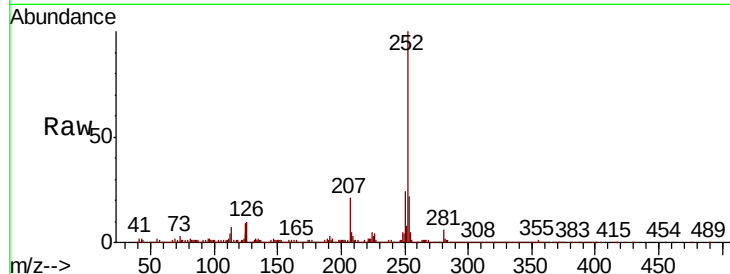
#90
Benzo(a)pyrene
Concen: 16.370 ng/ul
RT: 23.51 min Scan# 3489
Delta R.T. -0.00 min
Lab File: BM021281.D
Acq: 30 Jun 2019 02:42

Instrument :
BNA_M
ClientSampleId :
C5BA5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	8.6	7.2	10.8

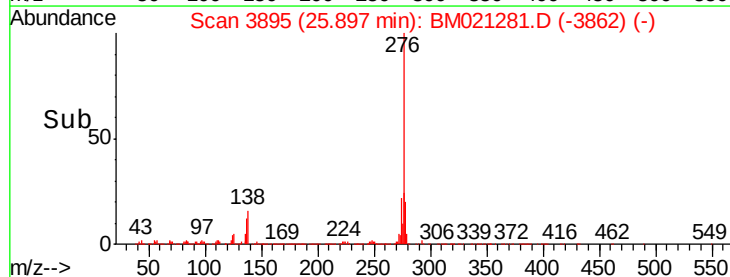
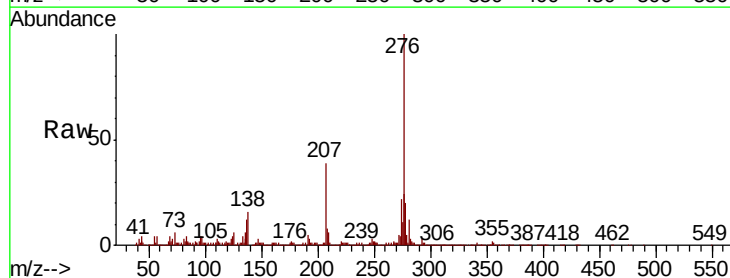
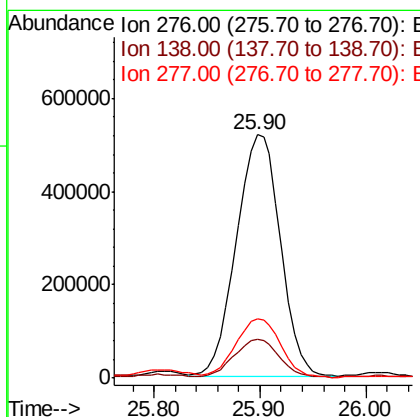
Manual Integrations
APPROVED

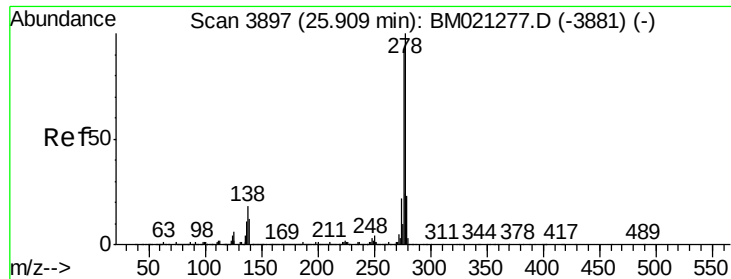
mohammad
7/1/2019 2:43:46 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 12.137 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM021281.D
Acq: 30 Jun 2019 02:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	15.9	23.9
277	24.5	20.4	30.6





#92

Dibenzo(a,h)anthracene

Concen: 3.557 ng/ul m

RT: 25.91 min Scan# 3897

Delta R.T. -0.00 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

Instrument :

BNA_M

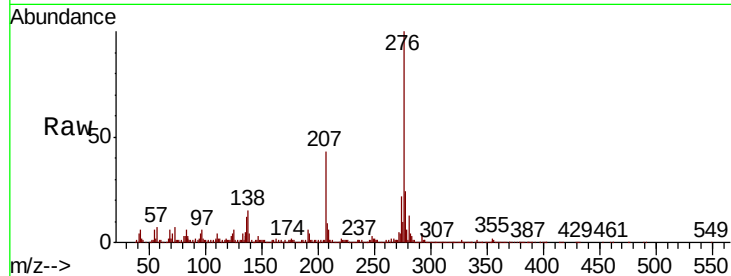
ClientSampled :

C5BA5

Tot Ion:	278	Resp:	369833
Ion Ratio	Lower	Upper	
278	100		
139	17.9	10.6	15.8#
279	23.7	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/1/2019 2:43:46 PM

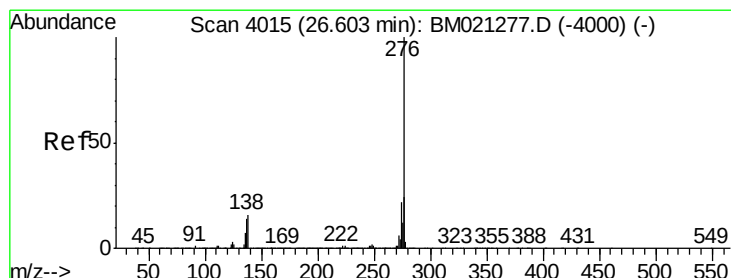
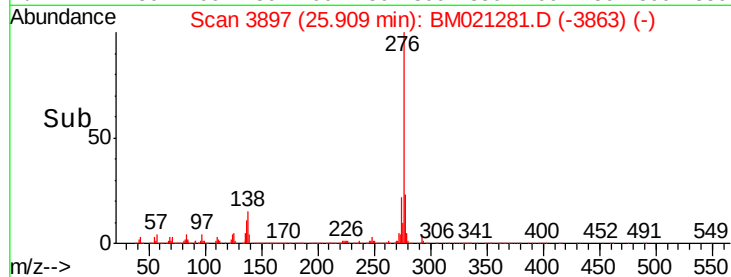
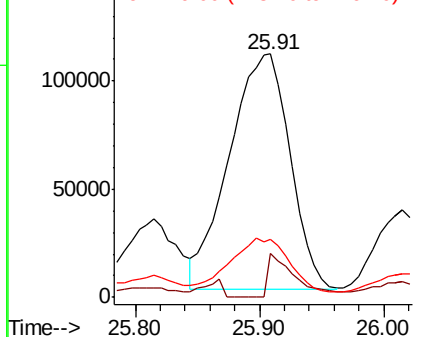


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 13.268 ng/ul

RT: 26.61 min Scan# 4016

Delta R.T. 0.01 min

Lab File: BM021281.D

Acq: 30 Jun 2019 02:42

Tgt Ion:	276	Resp:	1350774
Ion Ratio	Lower	Upper	
276	100		
138	16.7	14.6	21.8
277	23.9	18.9	28.3

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

