

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
 Data File : BN007688.D
 Acq On : 17 Sep 2019 05:26
 Operator : HP/JU
 Sample : K4633-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F2D07

Manual Integrations
 APPROVED

mohammad
 9/17/2019 4:10:39 PM

Quant Time: Sep 17 14:49:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 16 18:09:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	701578	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2946435	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1934208	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	4113161	20.00	ng/ul	0.00
77) Chrysene-d12	21.30	240	3335199	20.00	ng/ul	0.03
85) Perylene-d12	23.56	264	4933532m	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	69553	3.77	ng/uL	0.00
5) Phenol-d5	6.88	99	1853926	27.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	951989	25.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	1397338	29.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	1305044	25.63	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	686080	31.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	728565	35.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	1546867	32.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	1649753	26.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	4887878	31.76	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	5735296	32.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	691290	25.25	ng/ul	0.00
57) Fluorene-d10	15.33	176	4331411	32.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	134824	6.07	ng/ul	0.00
70) Anthracene-d10	17.18	188	6619030	32.33	ng/ul	0.01
78) Pyrene-d10	19.48	212	7428075	41.35	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.44	264	7668923	29.88	ng/ul	0.09

Target Compounds

					Ovalue
6) Phenol	6.90	94	309280	4.261	ng/ul 98
28) Naphthalene	10.52	128	915334	5.509	ng/ul 99
34) 2-Methylnaphthalene	12.14	142	230840	1.924	ng/ul 99
44) Dimethylphthalate	13.79	163	1832456	11.680	ng/ul 100
47) Acenaphthylene	14.05	152	291047	1.564	ng/ul 100
49) Acenaphthene	14.40	153	3450821	26.420	ng/ul 99
53) Dibenzofuran	14.73	168	1078973	5.695	ng/ul 98
58) Fluorene	15.38	166	1593492	10.452	ng/ul 99
69) Phenanthrene	17.12	178	19235714m	78.861	ng/ul
71) Anthracene	17.21	178	9076787	37.178	ng/ul 99
74) Carbazole	17.47	167	6655262	32.230	ng/ul 98
76) Fluoranthene	19.13	202	27013851m	100.960	ng/ul
79) Pyrene	19.50	202	27929411m	125.761	ng/ul
82) Benzo(a)anthracene	21.26	228	25057657m	105.438	ng/ul
84) Chrysene	21.29	228	38868145m	175.784	ng/ul
87) Benzo(b)fluoranthene	22.85	252	53041018m	166.246	ng/ul
88) Benzo(k)fluoranthene	22.94	252	17110749m	55.187	ng/ul
90) Benzo(a)pyrene	23.46	252	38538697m	124.940	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.80	276	75485391m	208.291	ng/ul
92) Dibenzo(a,h)anthracene	25.84	278	44802891m	148.217	ng/ul
93) Benzo(a,h,i)perylene	26.52	276	78106711m	262.900	ng/ul

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

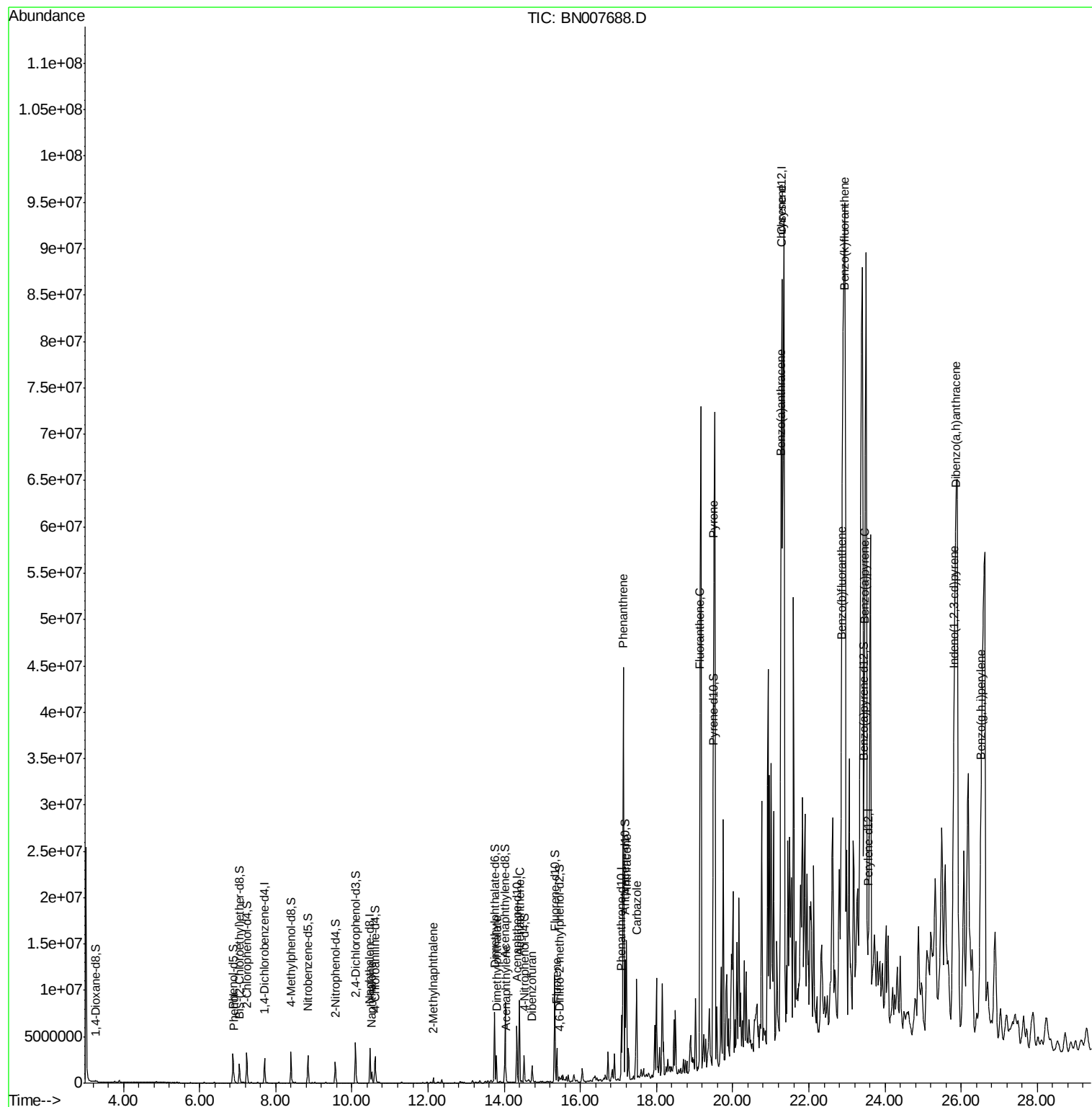
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091619\
Data File : BN007688.D
Acq On : 17 Sep 2019 05:26
Operator : HP/JU
Sample : K4633-09
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ALS Vial : 28 Sample Multiplier: 1

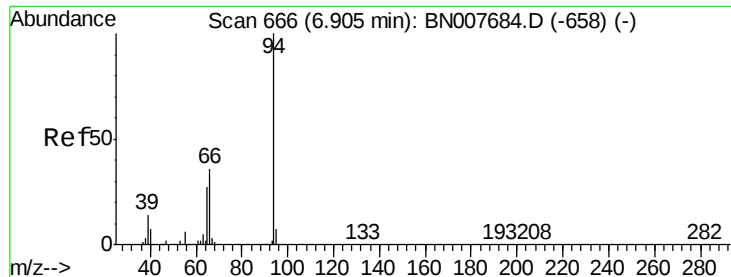
Instrument :
BNA_N
ClientSampleId :
F2D07

Quant Time: Sep 17 14:49:28 2019
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#6

Phenol

Concen: 4.261 ng/ul

RT: 6.90 min Scan# 666

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Instrument :

BNA_N

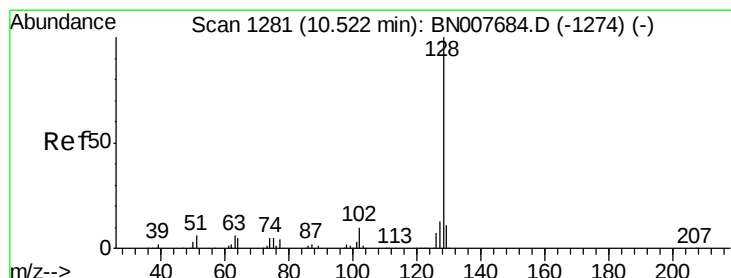
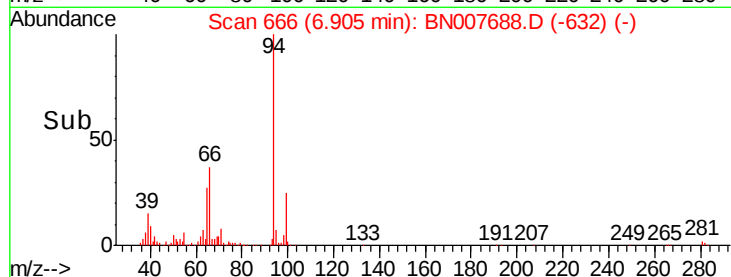
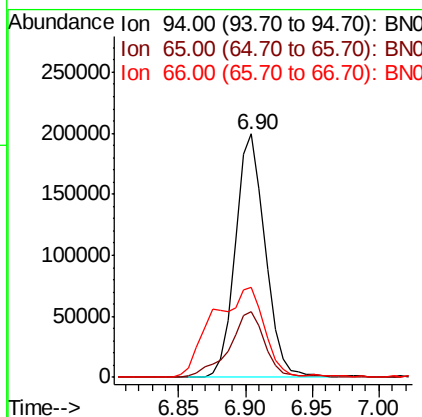
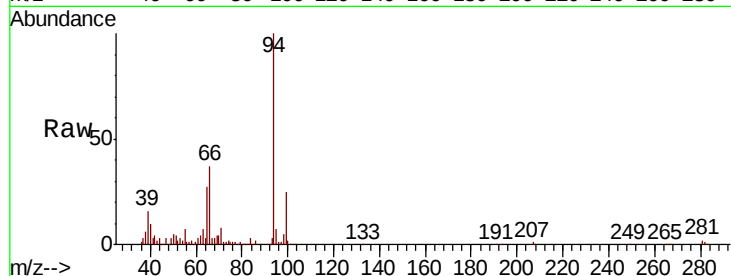
ClientSampled :

F2D07

Tot Ion:	94	Resp:	309280
Ion	Ratio	Lower	Upper
94	100		
65	26.8	20.7	31.1
66	37.1	28.6	42.8

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#28

Naphthalene

Concen: 5.509 ng/ul

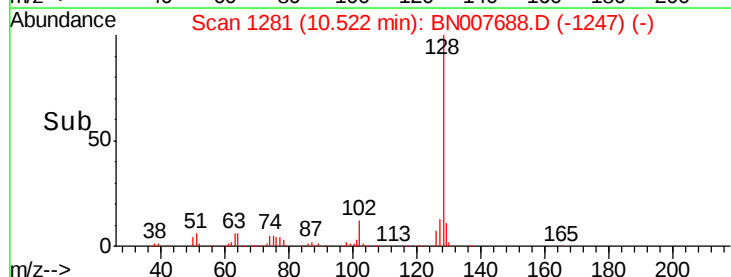
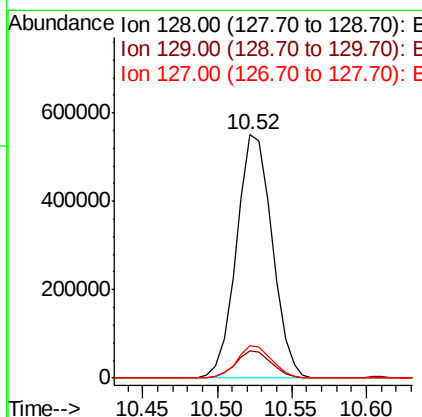
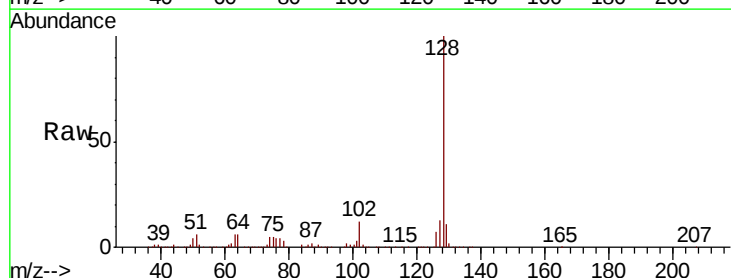
RT: 10.52 min Scan# 1281

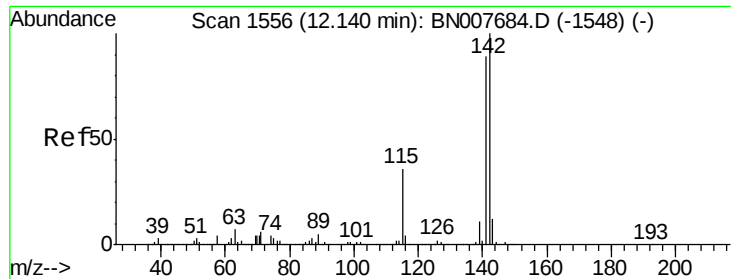
Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Tgt Ion:	128	Resp:	915334
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	11.0	16.4





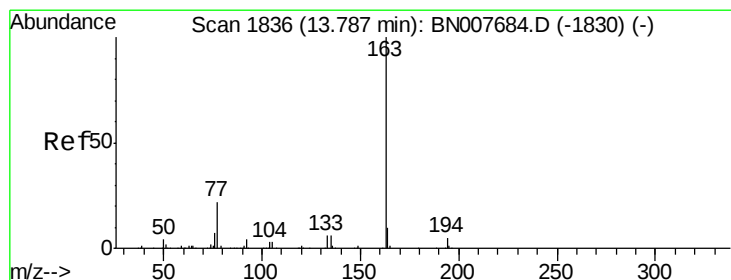
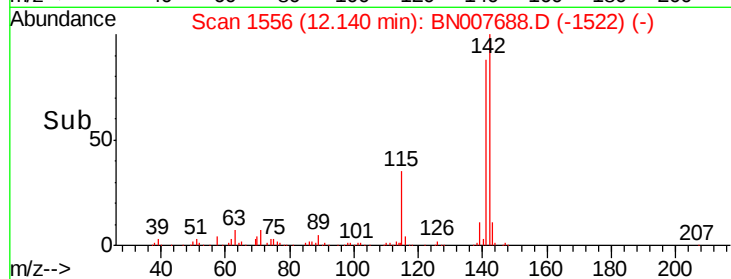
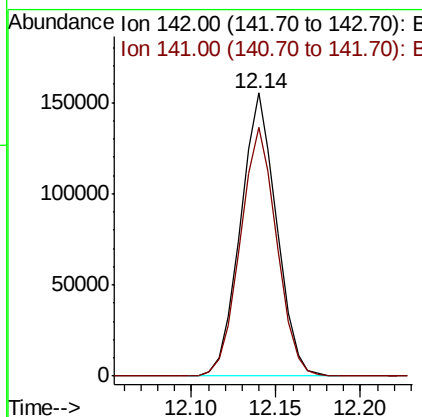
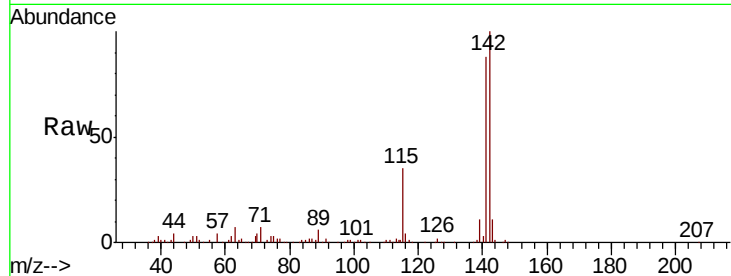
#34
2-Methylnaphthalene
Concen: 1.924 ng/ul
RT: 12.14 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Instrument :
BNA_N
ClientSampleId :
F2D07

Tot Ion:142 Resp: 230840
Ion Ratio Lower Upper
142 100
141 88.0 71.2 106.8

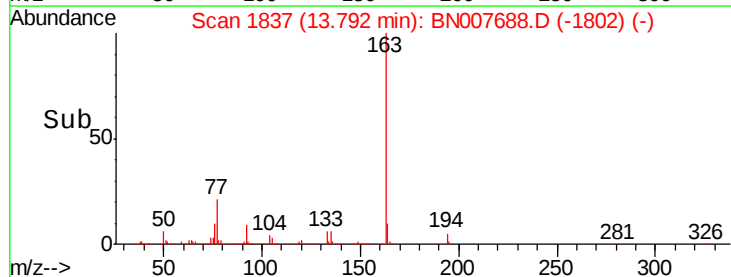
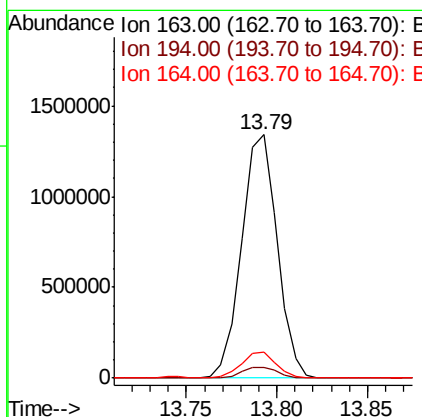
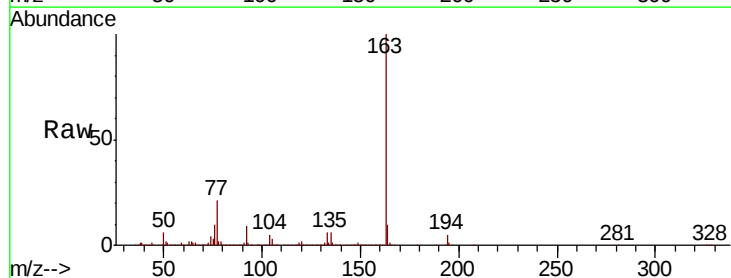
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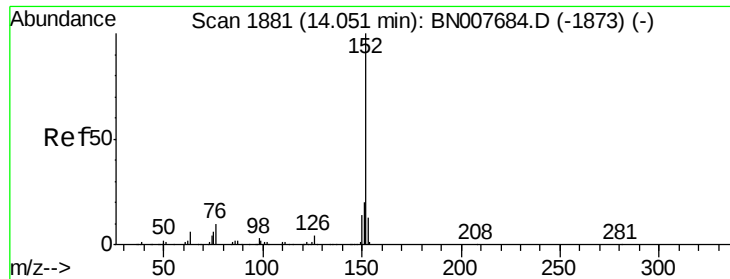
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#44
Dimethylphthalate
Concen: 11.680 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Tgt Ion:163 Resp: 1832456
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 10.5 8.4 12.6





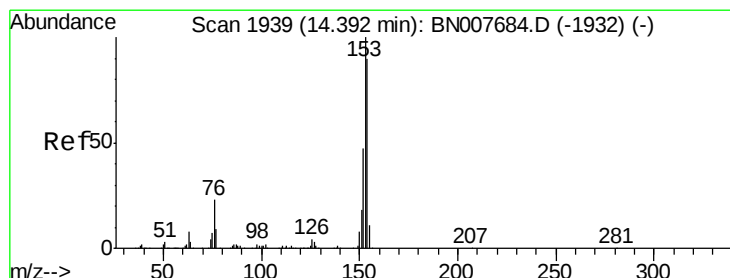
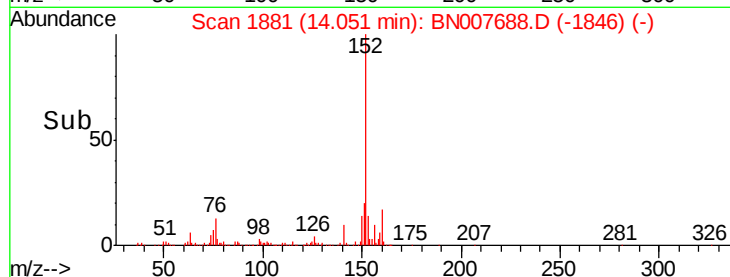
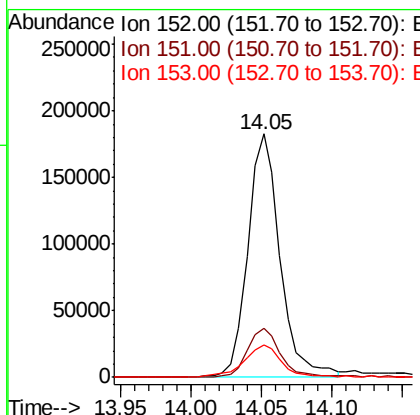
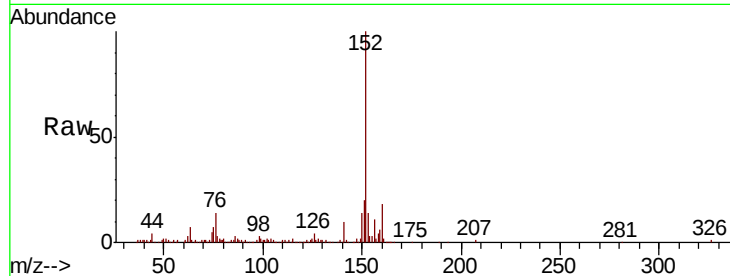
#47
Acenaphthylene
Concen: 1.564 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. 0.01 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Instrument :
BNA_N
ClientSampleId :
F2D07

Tot Ion	Ratio	Resp	Lower	Upper
152	100	291047		
151	20.4		16.1	24.1
153	13.6		10.7	16.1

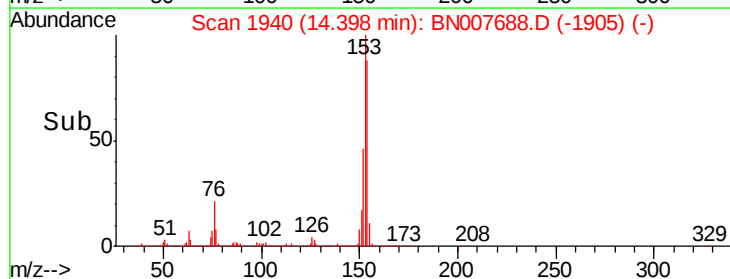
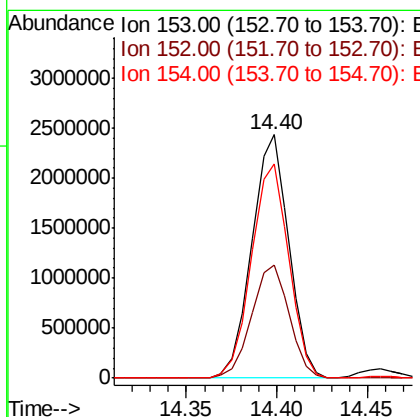
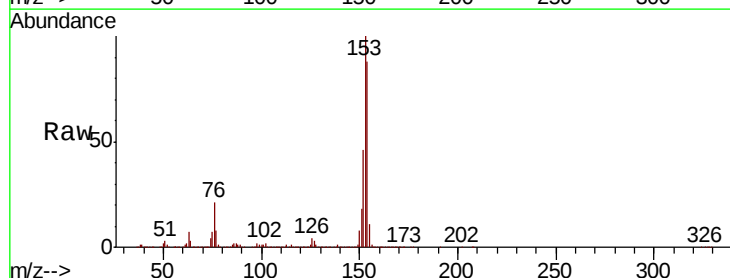
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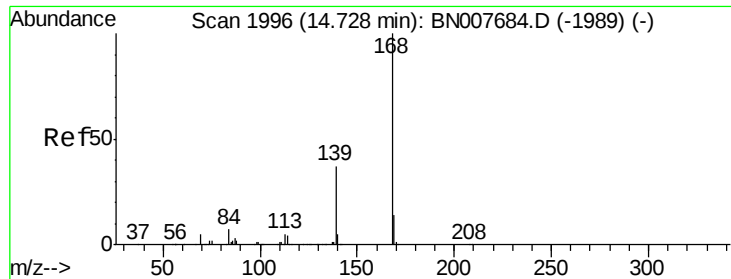
mohammad
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#49
Acenaphthene
Concen: 26.420 ng/ul
RT: 14.40 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	3450821		
152	46.4		37.8	56.8
154	88.1		70.3	105.5





#53

Dibenzo(furan)

Concen: 5.695 ng/ul

RT: 14.73 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Instrument :

BNA_N

ClientSampleId :

F2D07

Tot Ion:168 Resp: 1078973

Ion Ratio Lower Upper

168 100

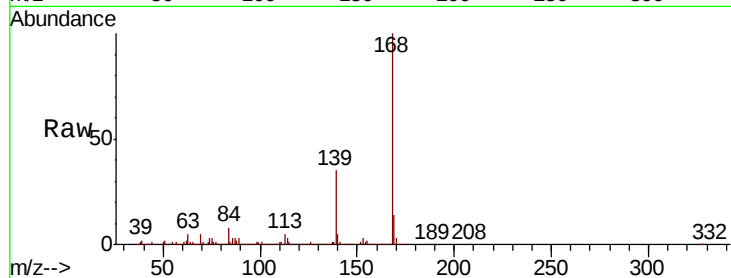
139 35.0 29.1 43.7

Manual Integrations

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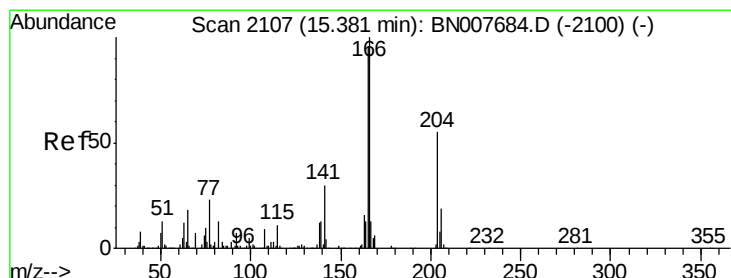
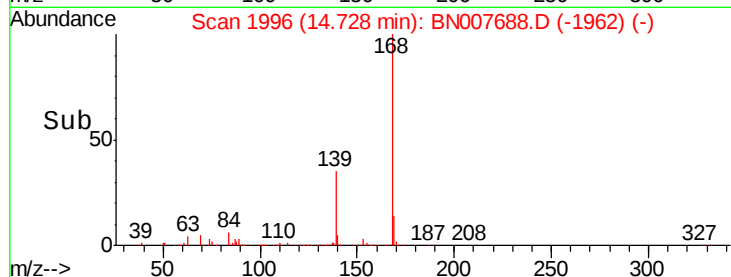
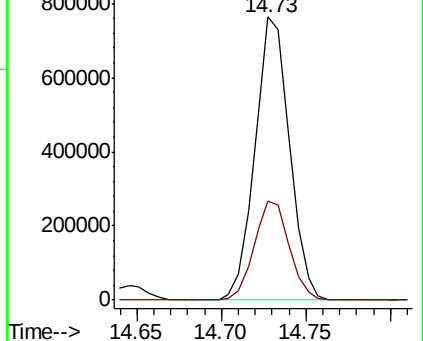
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 10.452 ng/ul

RT: 15.38 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

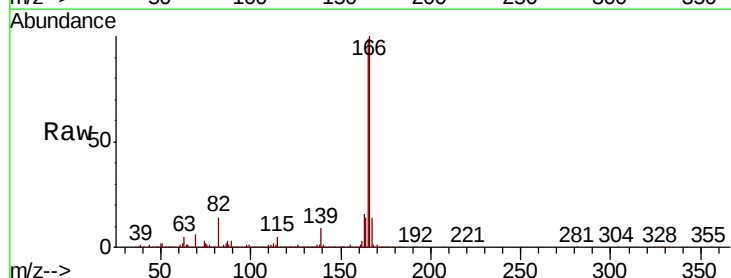
Tgt Ion:166 Resp: 1593492

Ion Ratio Lower Upper

166 100

165 98.8 78.6 118.0

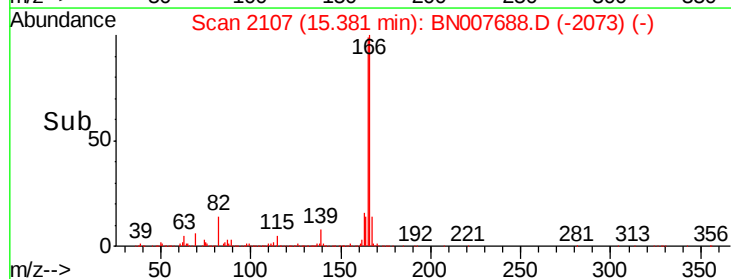
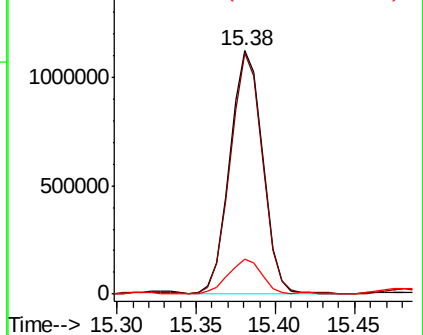
167 14.1 10.8 16.2

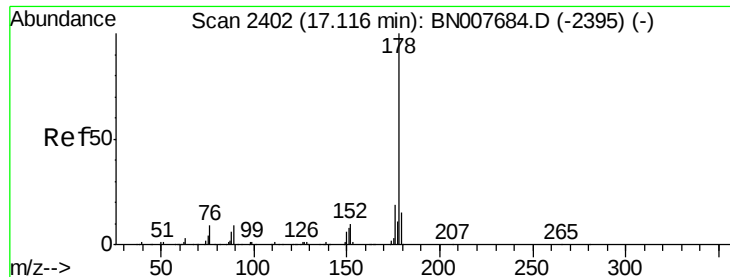


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 78.861 ng/ul m

RT: 17.12 min Scan# 2402

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Instrument :

BNA_N

ClientSampled :

F2D07

Tot Ion:178 Resp:19235714

Ion Ratio Lower Upper

178 100

179 25.5 11.9 17.9#

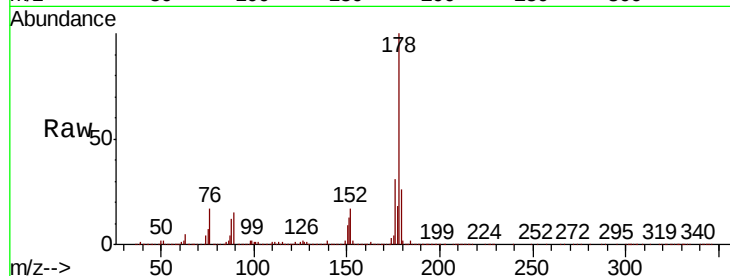
176 30.7 15.2 22.8#

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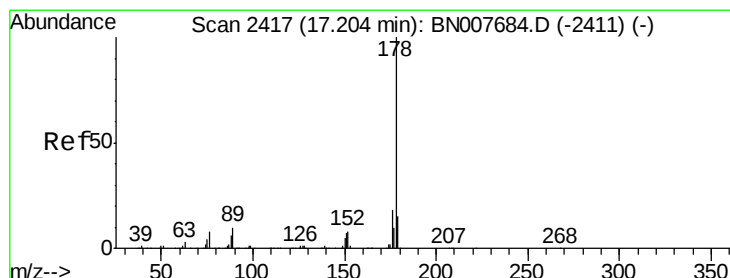
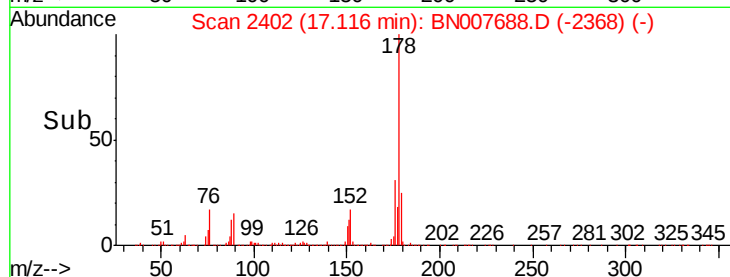
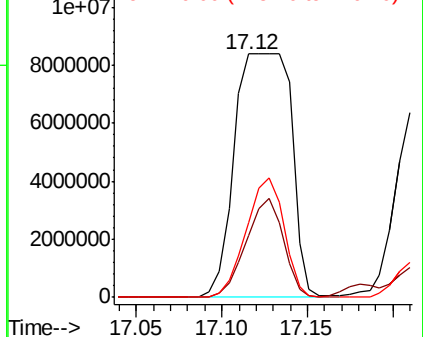
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 37.178 ng/ul

RT: 17.21 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

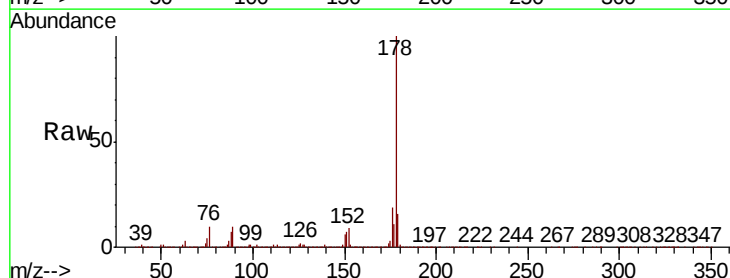
Tgt Ion:178 Resp: 9076787

Ion Ratio Lower Upper

178 100

179 16.4 12.7 19.1

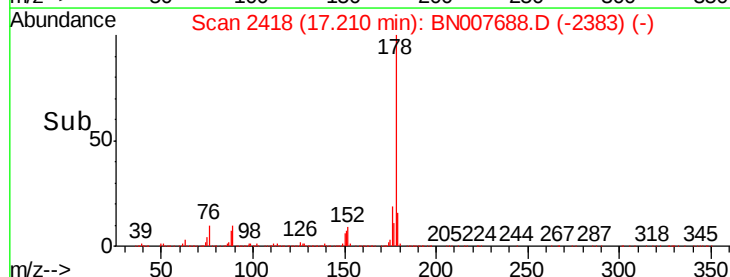
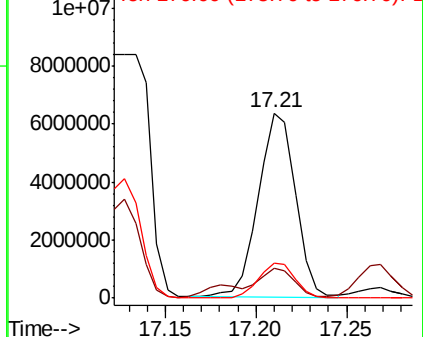
176 18.9 15.1 22.7

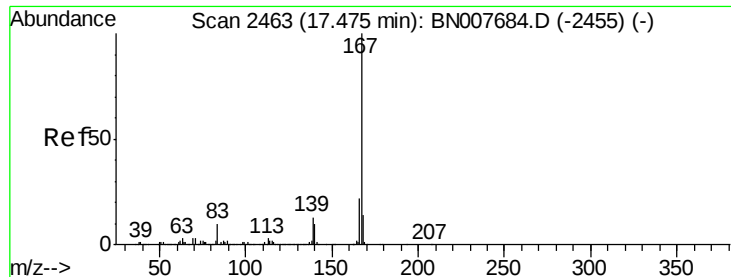


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 32.230 ng/ul

RT: 17.47 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Instrument :

BNA_N

ClientSampleId :

F2D07

Tot Ion:167 Resp: 6655262

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.4

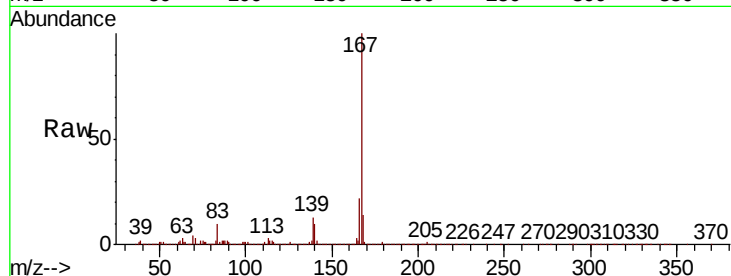
139 13.0 10.1 15.1

Manual Integrations

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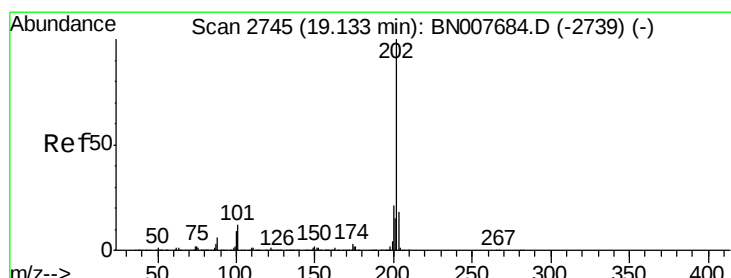
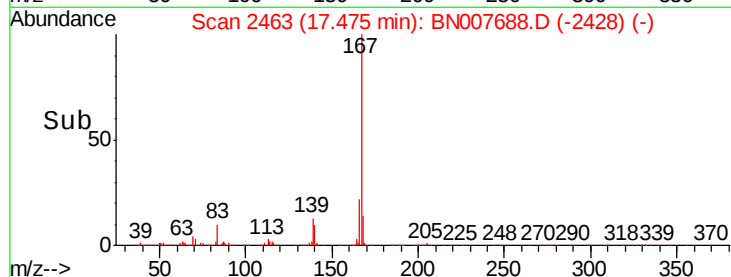
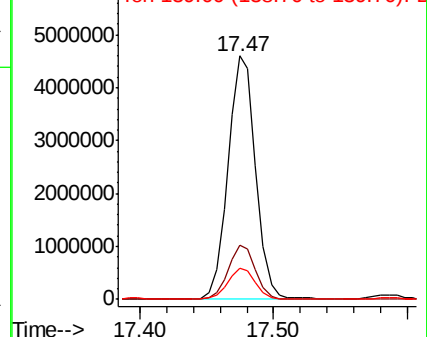


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 100.960 ng/ul m

RT: 19.13 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

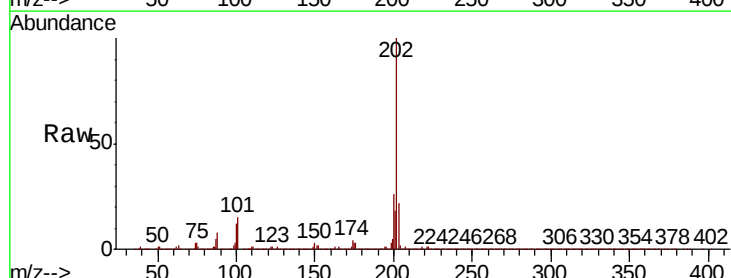
Tgt Ion:202 Resp:27013851

Ion Ratio Lower Upper

202 100

101 14.9 9.4 14.2#

100 11.6 7.1 10.7#

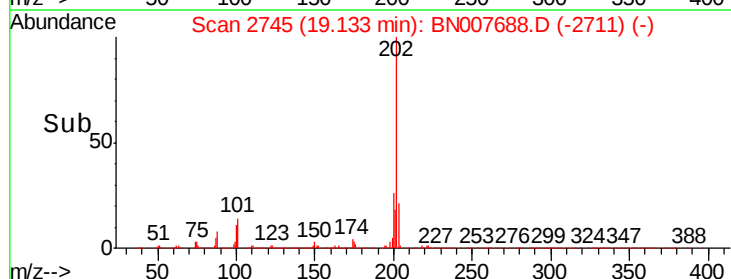
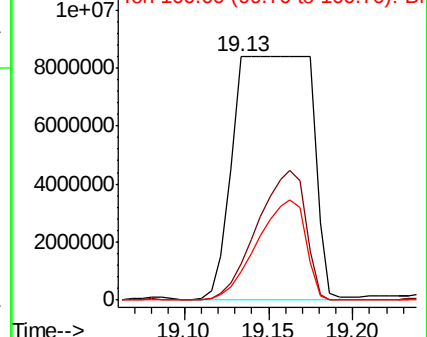


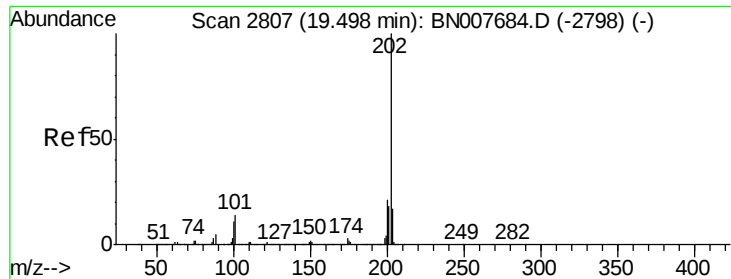
Abundance

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





#79

Pvrene

Concen: 125.761 ng/ul m

RT: 19.50 min Scan# 2807

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Instrument :

BNA_N

ClientSampled :

F2D07

Tot Ion:202 Resp:27929411

Ion Ratio Lower Upper

202 100

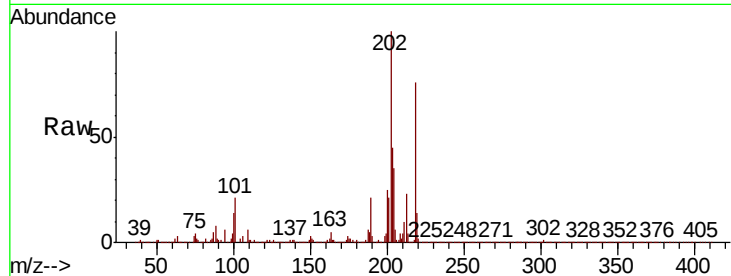
101 20.6 11.2 16.8#

100 14.0 9.4 14.0

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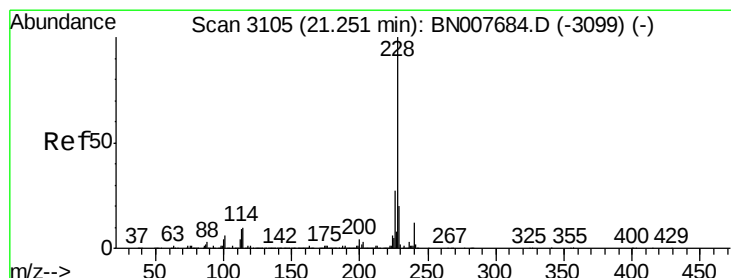
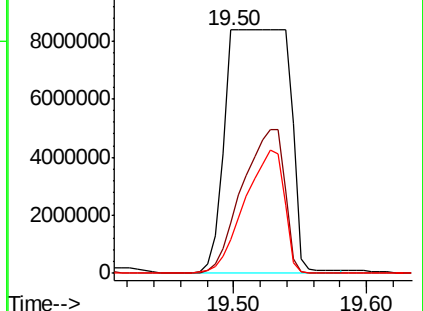
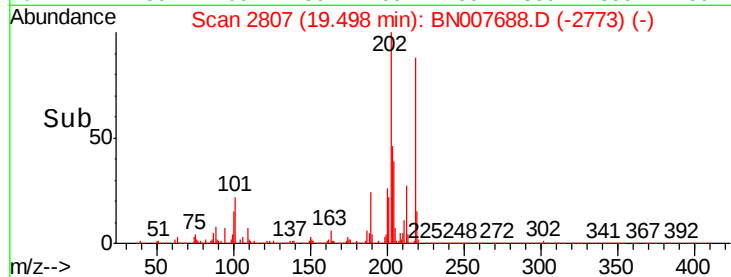
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 105.438 ng/ul m

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

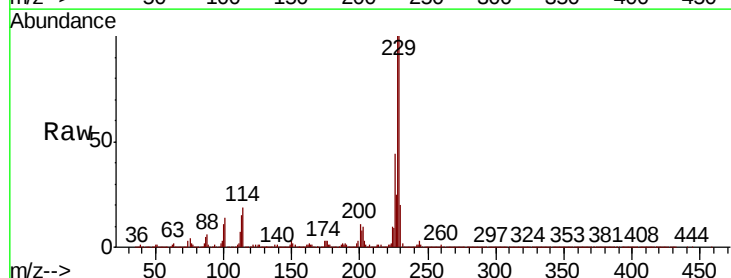
Tgt Ion:228 Resp:25057657

Ion Ratio Lower Upper

228 100

229 100.0 15.7 23.5#

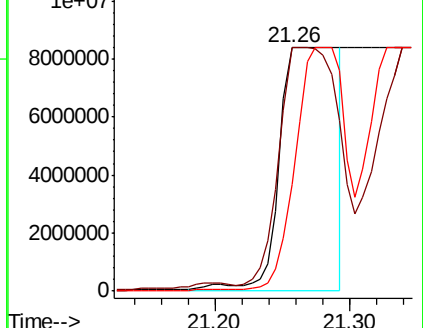
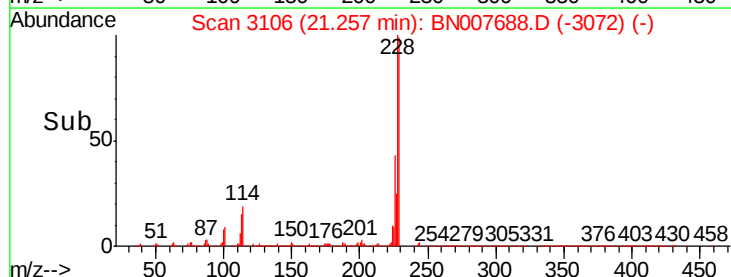
226 43.6 20.9 31.3#

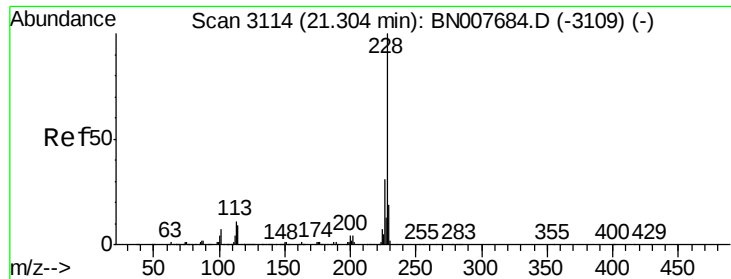


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 175.784 ng/ul m

RT: 21.29 min Scan# 3111

Delta R.T. -0.02 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

Instrument :

BNA_N

ClientSampled :

F2D07

Tot Ion:228 Resp:38868145

Ion Ratio Lower Upper

228 100

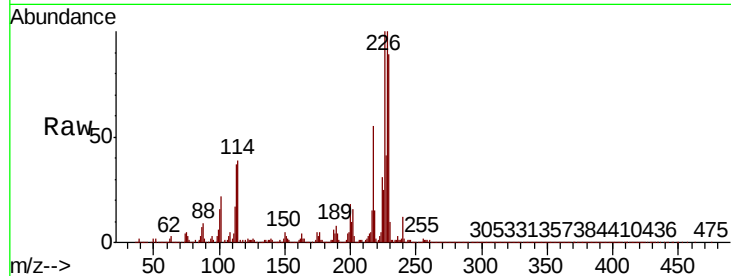
226 100.0 24.2 36.4#

229 89.1 15.5 23.3#

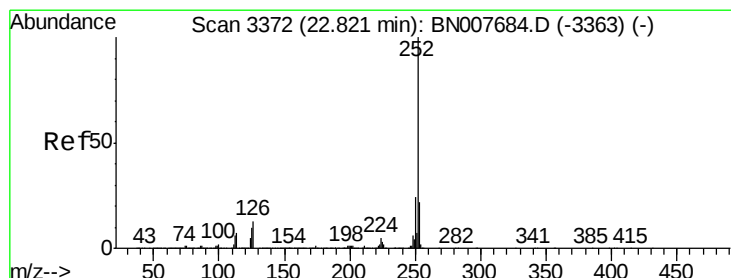
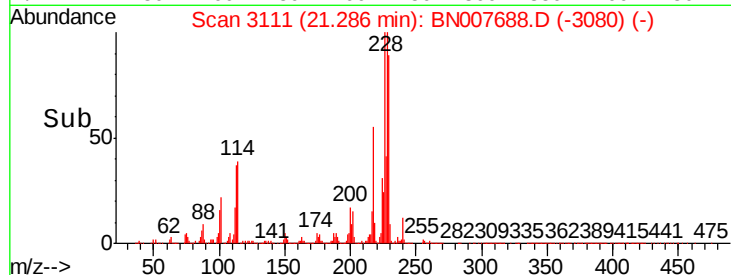
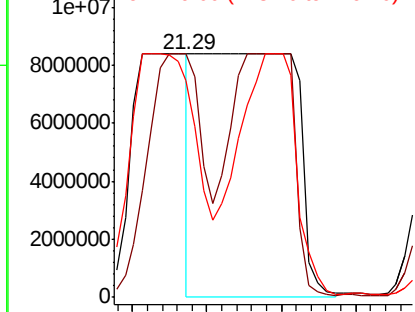
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 166.246 ng/ul m

RT: 22.85 min Scan# 3377

Delta R.T. 0.02 min

Lab File: BN007688.D

Acq: 17 Sep 2019 05:26

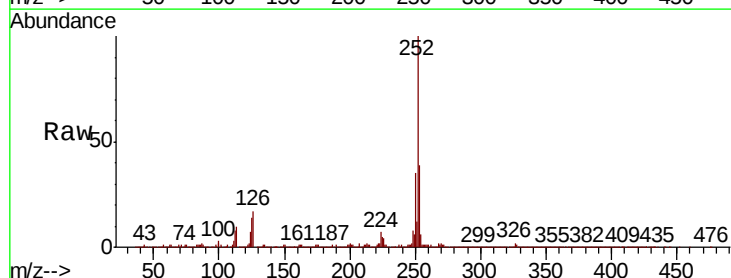
Tgt Ion:252 Resp:53041018

Ion Ratio Lower Upper

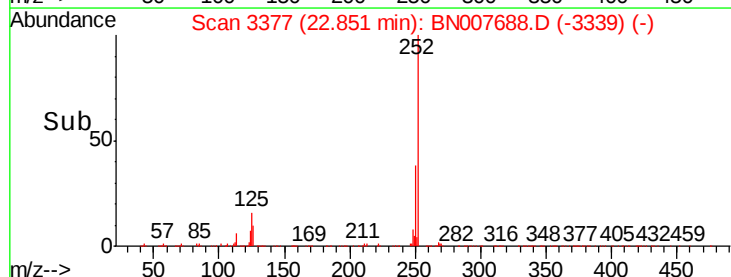
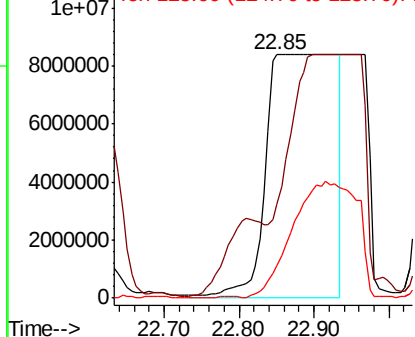
252 100

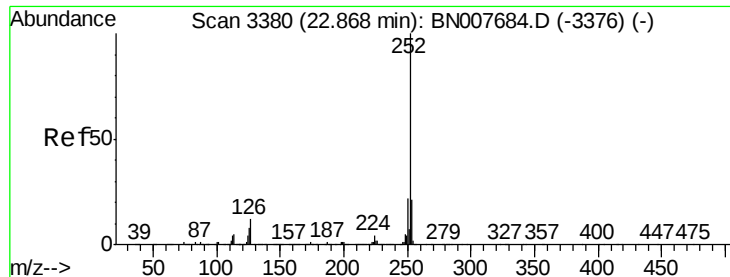
253 38.7 17.6 26.4#

125 13.5 8.0 12.0#



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





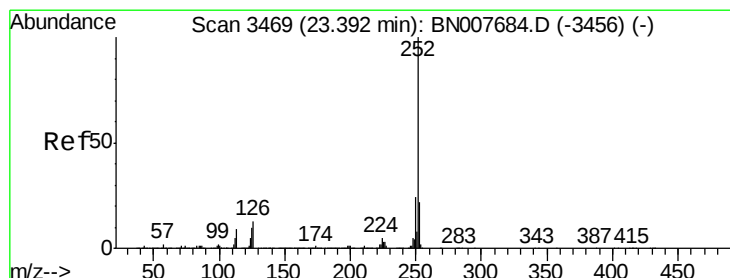
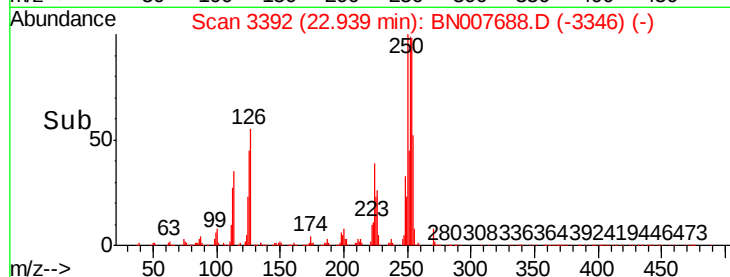
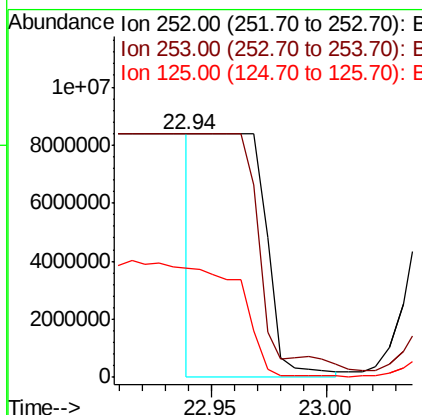
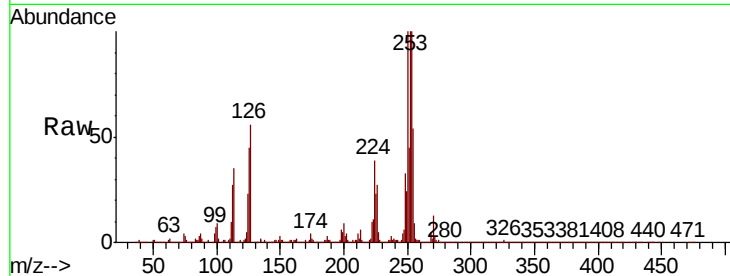
#88
Benzo(k)fluoranthene
Concen: 55.187 ng/ul m
RT: 22.94 min Scan# 3392
Delta R.T. 0.07 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Instrument :
BNA_N
ClientSampleId :
F2D07

Tot Ion:252 Resp:17110749
Ion Ratio Lower Upper
252 100
253 100.0 17.7 26.5#
125 45.0 8.2 12.4#

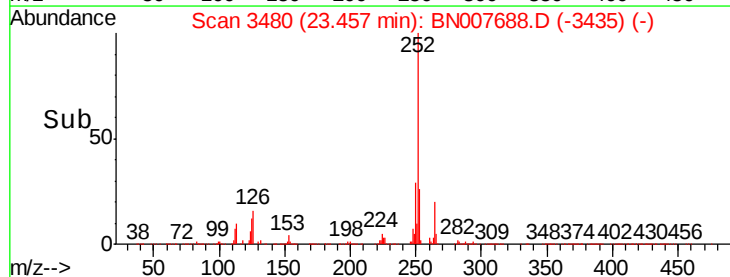
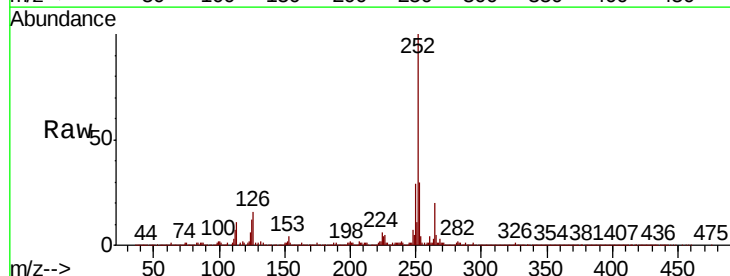
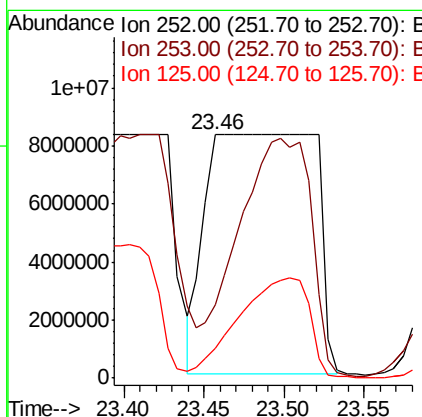
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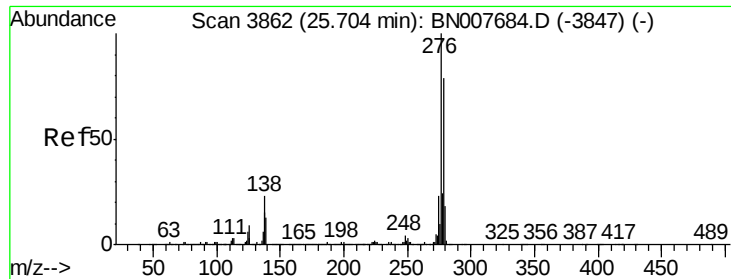
mohammad
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#90
Benzo(a)pyrene
Concen: 124.940 ng/ul m
RT: 23.46 min Scan# 3480
Delta R.T. 0.06 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Tgt Ion:252 Resp:38538697
Ion Ratio Lower Upper
252 100
253 30.0 17.8 26.8#
125 12.5 9.2 13.8





#91

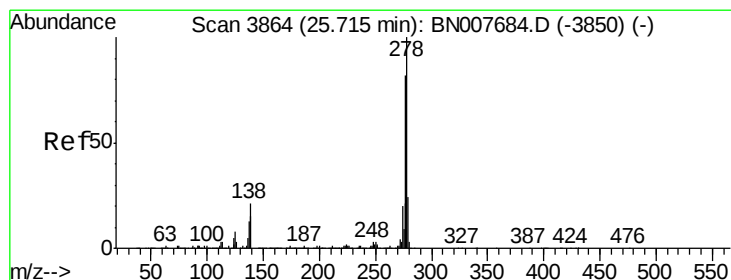
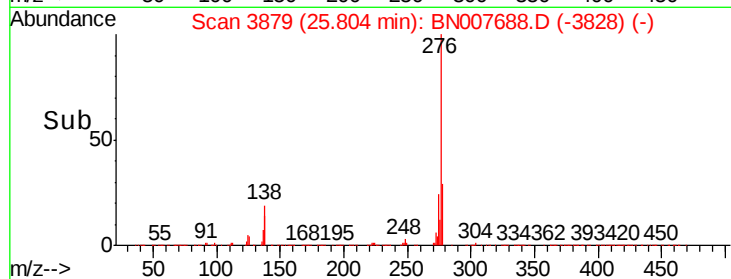
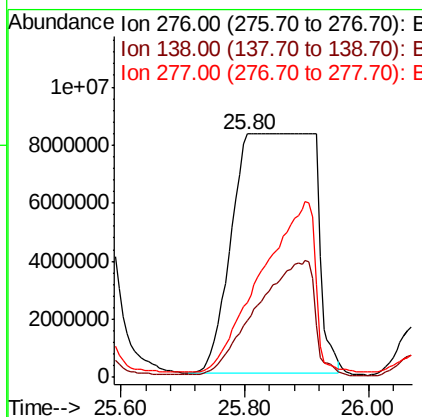
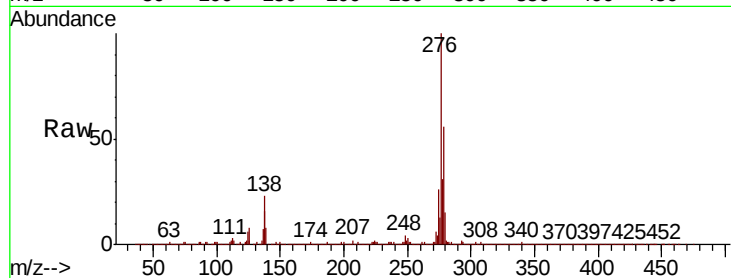
Indeno(1,2,3-cd)pyrene
Concen: 208.291 ng/ul m
RT: 25.80 min Scan# 3879
Delta R.T. 0.10 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Instrument :
BNA_N
ClientSampleId :
F2D07

Tot Ion:276 Resp:75485391
Ion Ratio Lower Upper
276 100
138 23.5 19.1 28.7
277 30.5 19.7 29.5#

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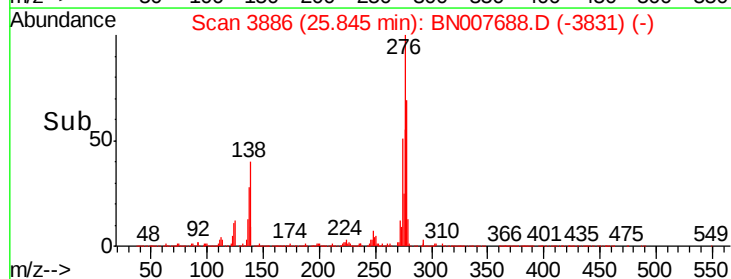
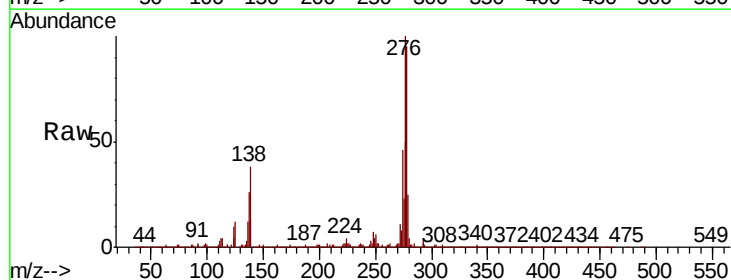
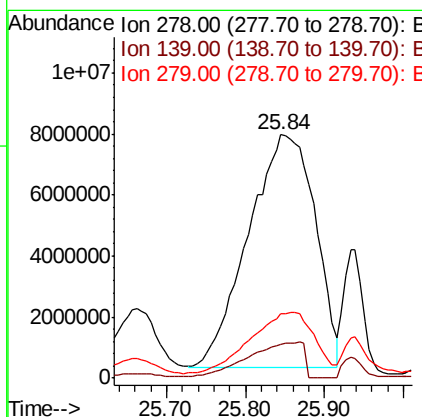
mohammad
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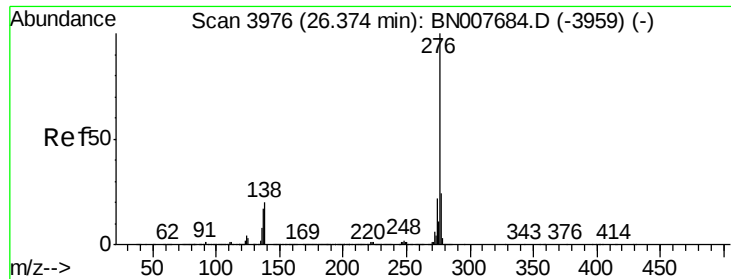


#92

Dibenzo(a,h)anthracene
Concen: 148.217 ng/ul m
RT: 25.84 min Scan# 3886
Delta R.T. 0.12 min
Lab File: BN007688.D
Acq: 17 Sep 2019 05:26

Tgt Ion:278 Resp:44802891
Ion Ratio Lower Upper
278 100
139 13.9 12.6 19.0
279 26.4 19.4 29.2





#93
 Benzo(a,h,i)perylene
 Concen: 262.900 ng/ul m
 RT: 26.52 min Scan# 4000
 Delta R.T. 0.14 min
 Lab File: BN007688.D
 Acq: 17 Sep 2019 05:26

Instrument :
 BNA_N
 ClientSampleId :
 F2D07

Tot Ion:276 Resp:78106711
 Ion Ratio Lower Upper
 276 100
 138 21.4 16.5 24.7
 277 28.2 18.7 28.1#

Manual Integrations
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