

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
 Data File : BM021644.D
 Acq On : 25 Jul 2019 19:51
 Operator : HP/JU
 Sample : K3850-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENR6

Manual Integrations
 APPROVED

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Quant Time: Jul 26 01:21:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 24 01:21:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	117414	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	533783	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	375226	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.10	188	896949	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	1114915	20.00	ng/ul	0.00
85) Perylene-d12	23.53	264	1217847	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	7634m	3.54	ng/uL	0.00
5) Phenol-d5	6.87	99	147607	14.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	107594	18.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	130846	16.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	84963	9.99	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	77963	19.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	84750	19.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	161463	17.08	ng/ul	0.00
29) 4-Chloroaniline-d4	10.64	131	150944	16.46	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	606436	18.86	ng/ul	0.00
46) Acenaphthylene-d8	14.04	160	696911	17.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.58	143	32461	5.89	ng/ul	0.01
57) Fluorene-d10	15.34	176	561677	19.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.49	200	24743	4.40	ng/ul	0.00
70) Anthracene-d10	17.19	188	945645	21.43	ng/ul	0.00
78) Pyrene-d10	19.49	212	1272132	23.38	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.39	264	1502278	23.10	ng/ul	0.00

Target Compounds

				Ovalue	
4) Benzaldehyde	6.86	77	5771	1.375	ng/ul# 84
6) Phenol	6.90	94	11760	1.227	ng/ul 93
14) Acetophenone	8.53	105	25307	1.982	ng/ul 96
44) Dimethylphthalate	13.81	163	234741	7.606	ng/ul 99
69) Phenanthrene	17.14	178	105917	2.164	ng/ul 97
76) Fluoranthene	19.16	202	329935	5.439	ng/ul 99
79) Pyrene	19.52	202	321287	4.838	ng/ul 99
82) Benzo(a)anthracene	21.27	228	183801	2.515	ng/ul 99
84) Chrysene	21.33	228	219893	3.155	ng/ul 97
87) Benzo(b)fluoranthene	22.86	252	329038	4.469	ng/ul# 97
88) Benzo(k)fluoranthene	22.90	252	98625m	1.365	ng/ul
90) Benzo(a)pyrene	23.44	252	199419	2.821	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.79	276	138609	1.614	ng/ul 98
93) Benzo(g,h,i)perylene	26.49	276	133033	1.913	ng/ul 99

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

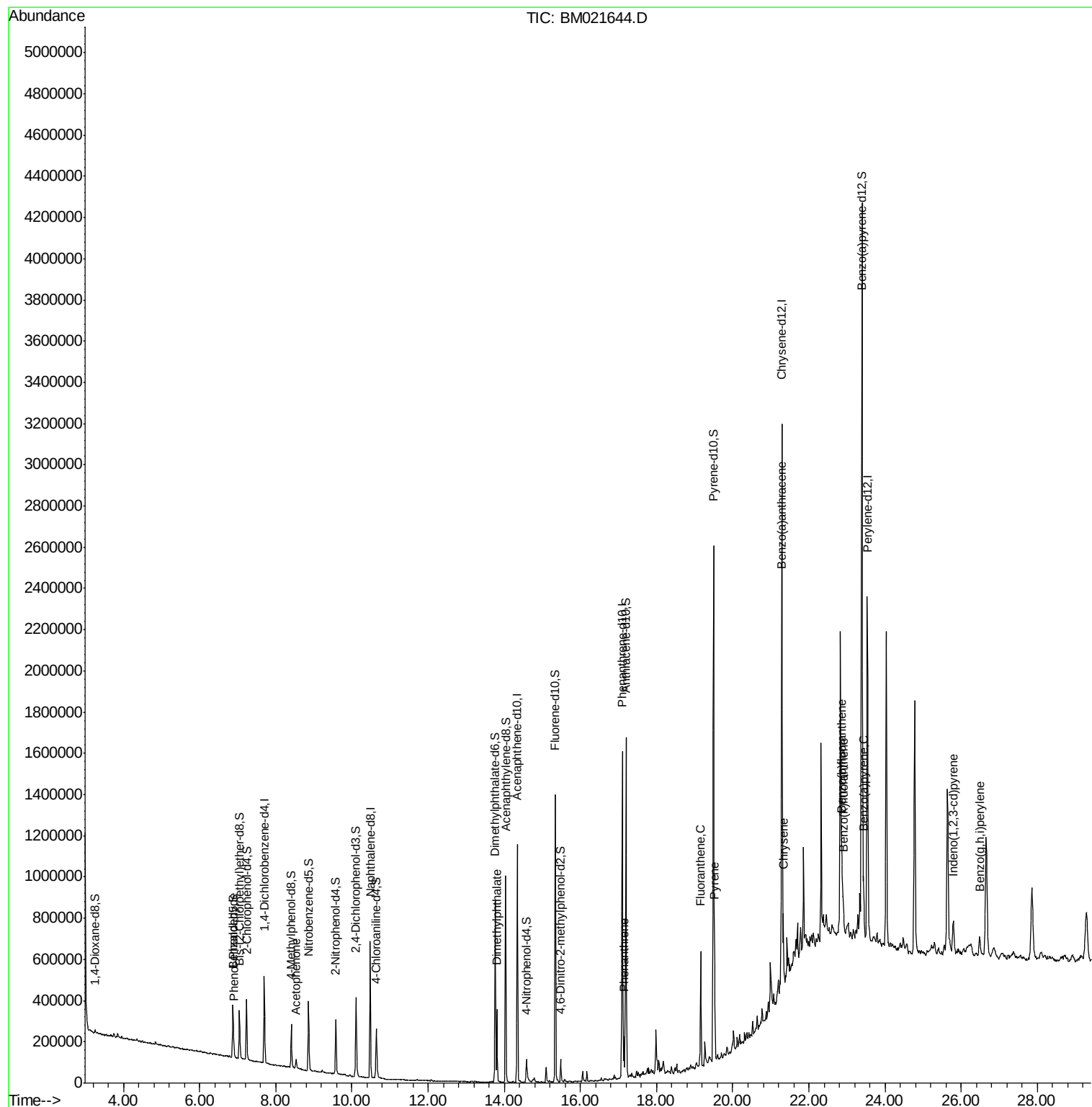
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021644.D
Acq On : 25 Jul 2019 19:51
Operator : HP/JU
Sample : K3850-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

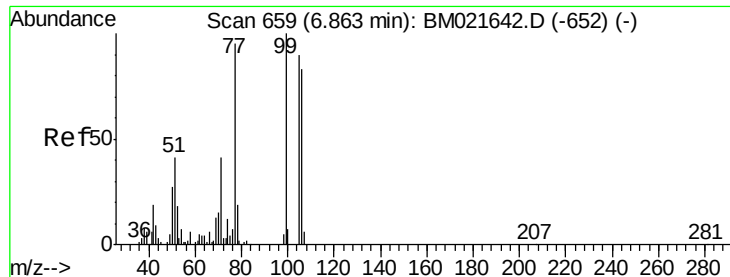
Instrument :
BNA_M
ClientSampleId :
BENR6

Quant Time: Jul 26 01:21:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration

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#4

Benzaldehyde

Concen: 1.375 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM021644.D

Acq: 25 Jul 2019 19:51

Instrument :

BNA_M

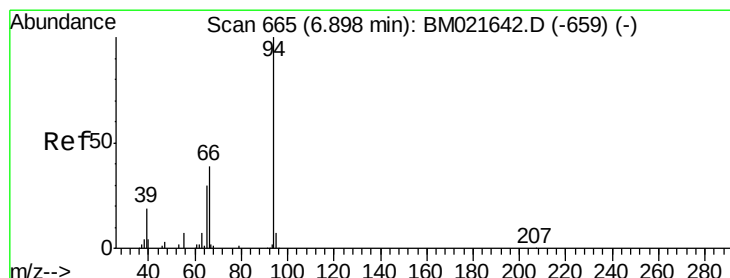
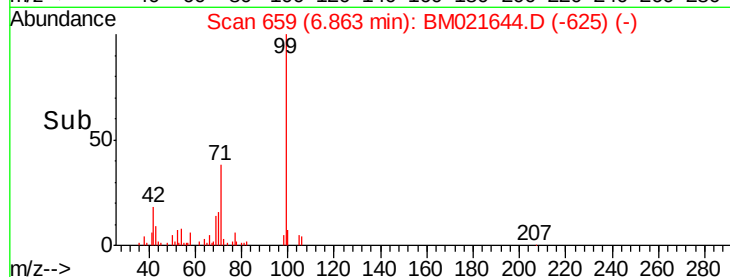
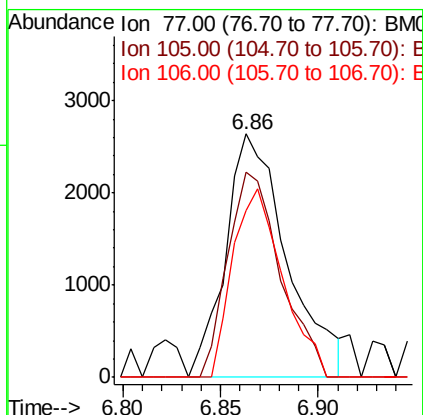
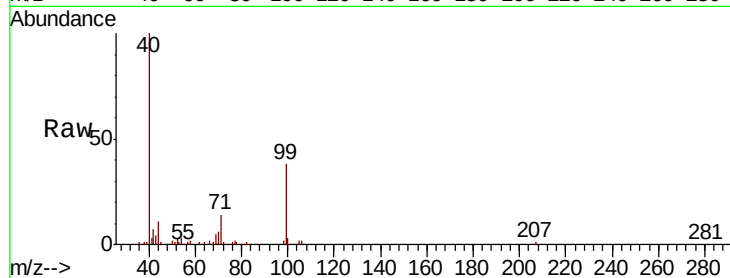
ClientSampleId :

BENR6

Tot Ion	Ratio	Lower	Upper
77	100		
105	84.3	75.8	113.8
106	68.6	70.9	106.3

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#6

Phenol

Concen: 1.227 ng/ul

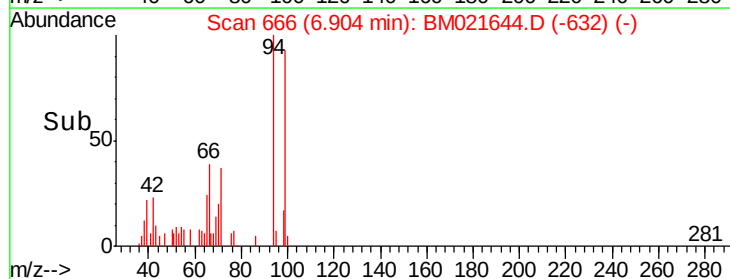
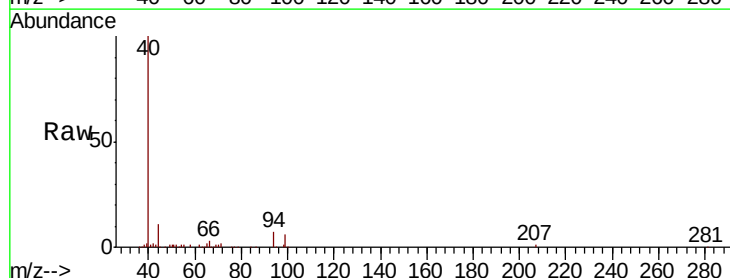
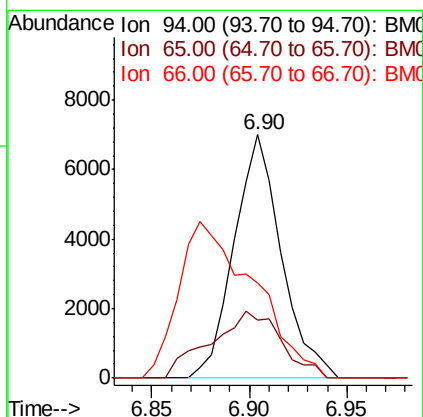
RT: 6.90 min Scan# 666

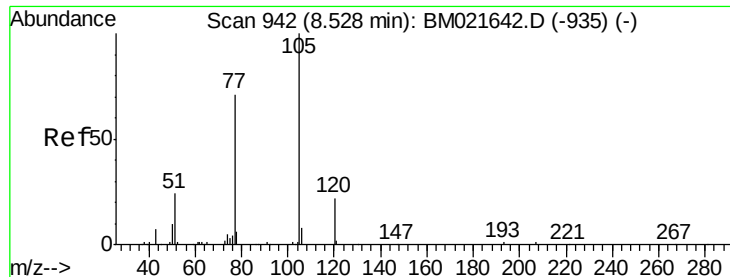
Delta R.T. -0.00 min

Lab File: BM021644.D

Acq: 25 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
94	100		
65	23.7	23.3	34.9
66	38.9	33.2	49.8





#14

Acetophenone

Concen: 1.982 ng/ul

RT: 8.53 min Scan# 943

Delta R.T. 0.01 min

Lab File: BM021644.D

Acq: 25 Jul 2019 19:51

Instrument :

BNA_M

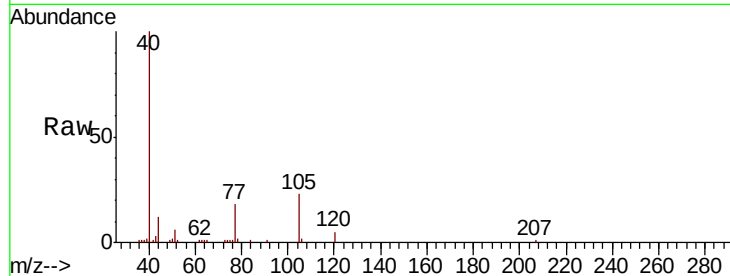
ClientSampleId :

BENR6

Tot Ion:	105	Resp:	25307
Ion Ratio	Lower	Upper	
105	100		
77	78.9	66.3	99.5
51	27.1	20.2	30.2

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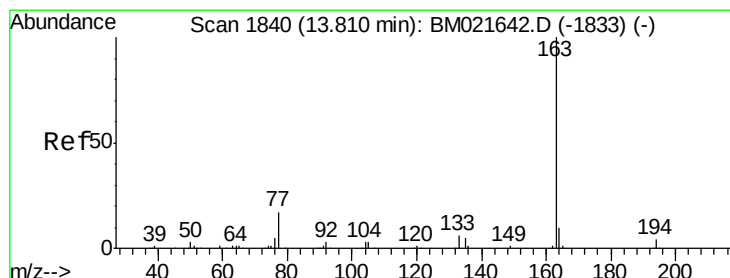
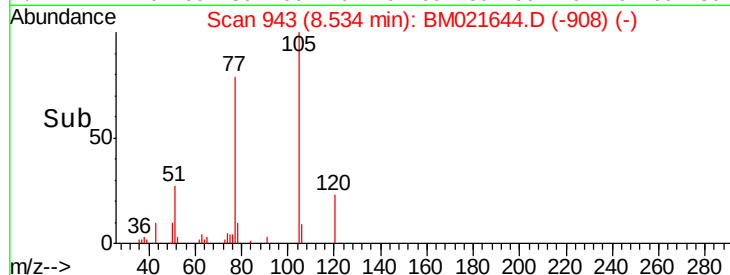
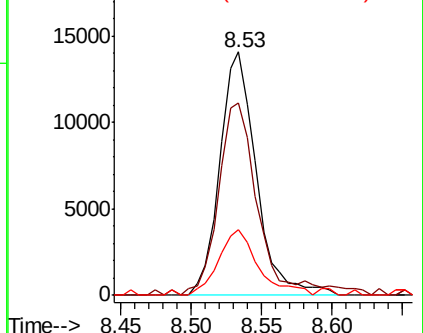
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Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#44

Dimethylphthalate

Concen: 7.606 ng/ul

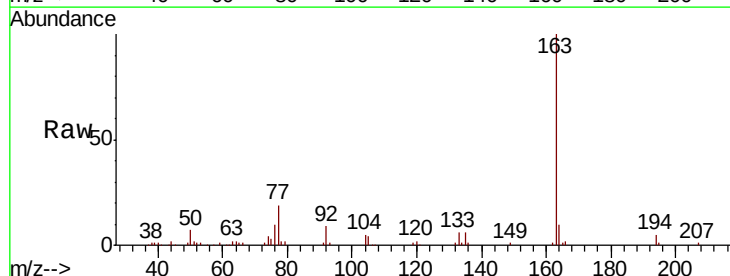
RT: 13.81 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BM021644.D

Acq: 25 Jul 2019 19:51

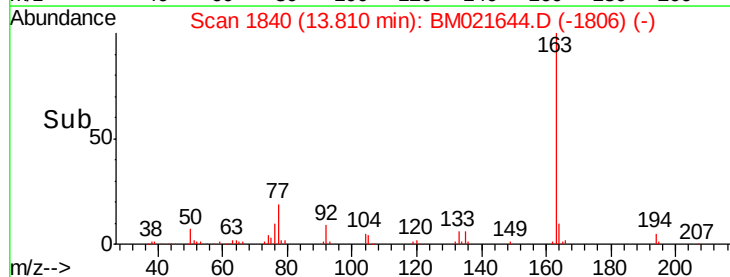
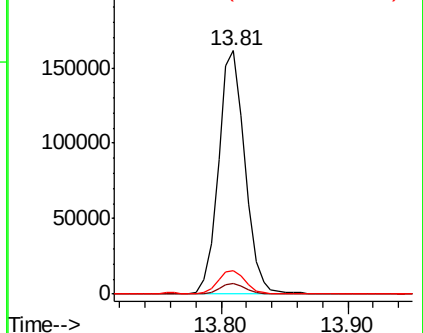
Tgt Ion:	163	Resp:	234741
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.2	4.8
164	9.8	8.2	12.4

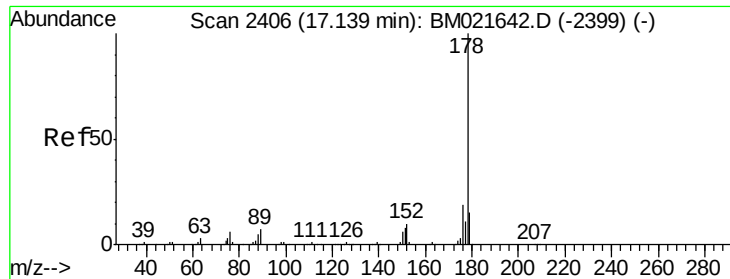


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





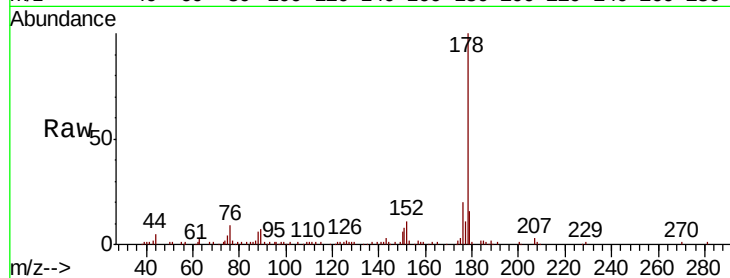
#69
Phenanthrene
Concen: 2.164 ng/ul
RT: 17.14 min Scan# 2406
Delta R.T. -0.00 min
Lab File: BM021644.D
Acq: 25 Jul 2019 19:51

Instrument :
BNA_M
ClientSampleId :
BENR6

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.2
176	20.2	15.0	22.4

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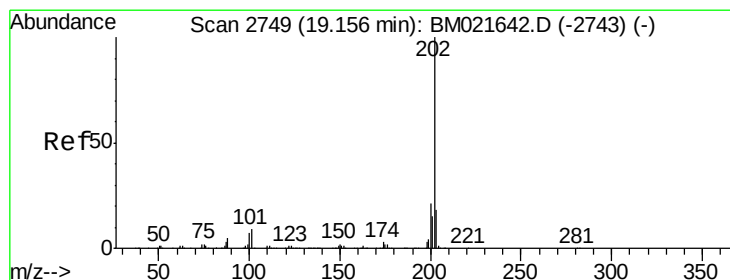
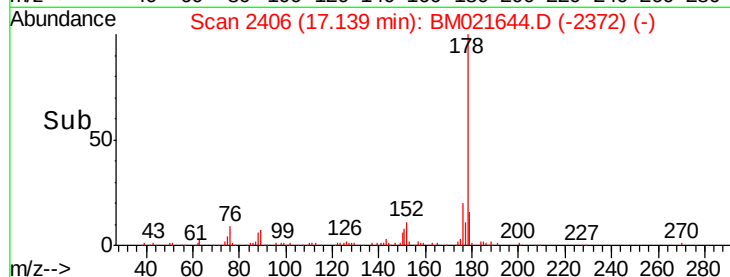
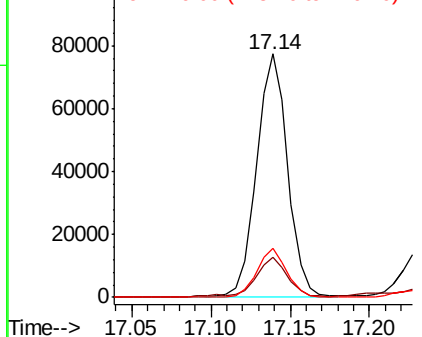


Abundance

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



#76
Fluoranthene
Concen: 5.439 ng/ul
RT: 19.16 min Scan# 2749
Delta R.T. -0.01 min
Lab File: BM021644.D
Acq: 25 Jul 2019 19:51

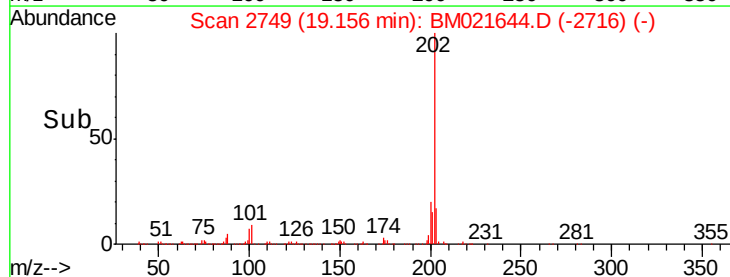
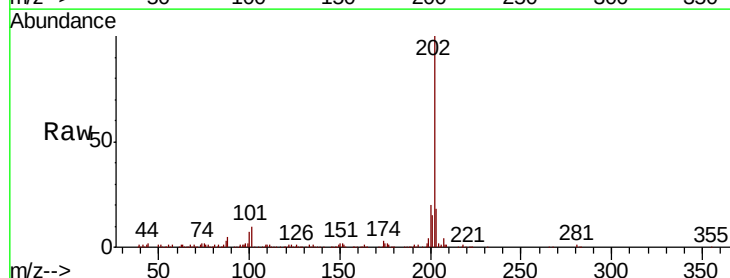
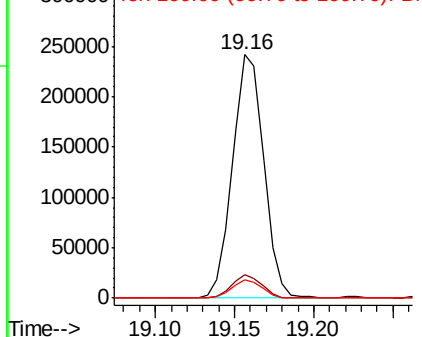
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.2	10.8
100	7.5	5.6	8.4

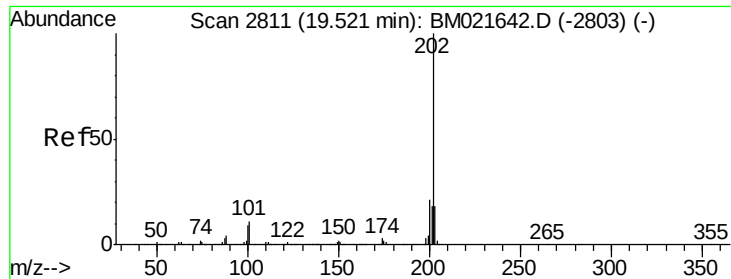
Abundance

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): E





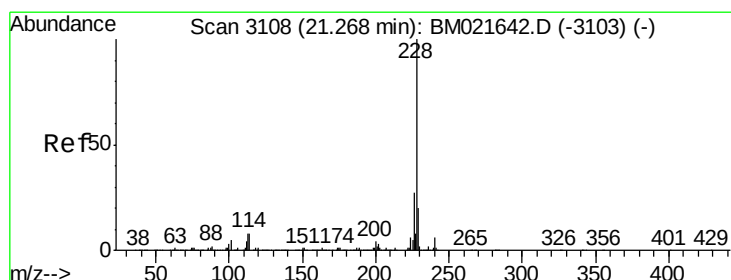
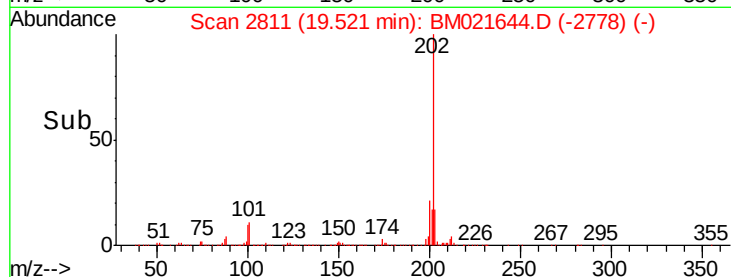
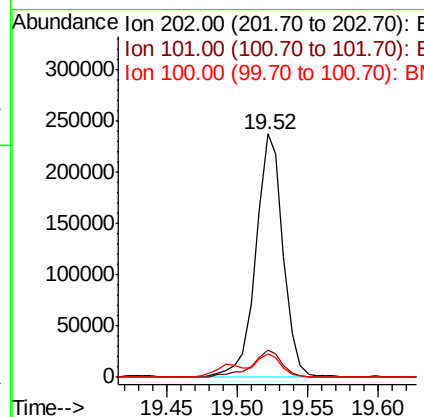
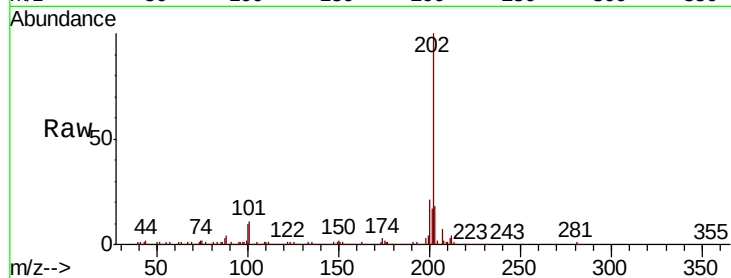
#79
Pvrene
Concen: 4.838 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BM021644.D
Acq: 25 Jul 2019 19:51

Instrument :
BNA_M
ClientSampleId :
BENR6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	8.6	13.0
100	9.5	7.1	10.7

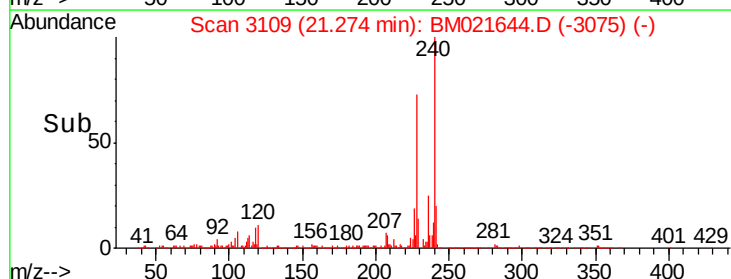
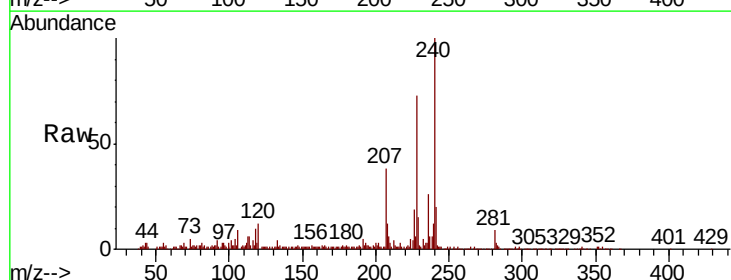
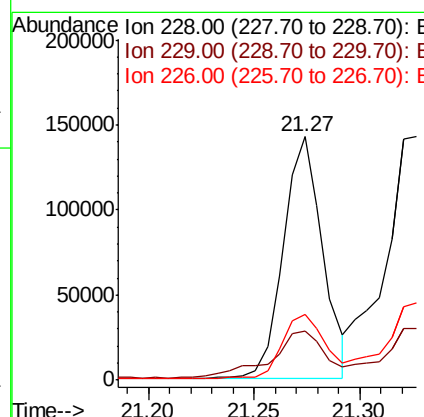
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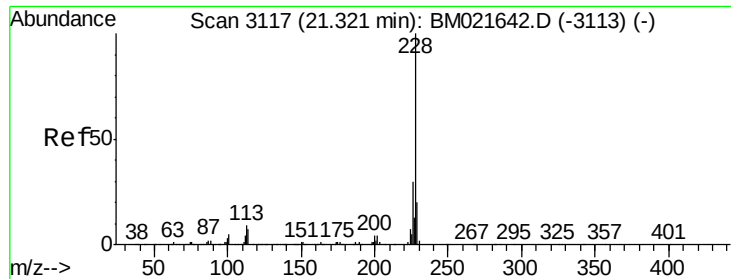
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#82
Benzo(a)anthracene
Concen: 2.515 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BM021644.D
Acq: 25 Jul 2019 19:51

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.3	15.8	23.6
226	26.8	21.7	32.5





#84

Chrysene

Concen: 3.155 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BM021644.D

Acq: 25 Jul 2019 19:51

Instrument :

BNA_M

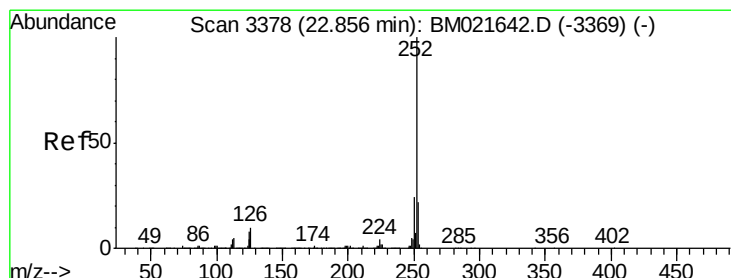
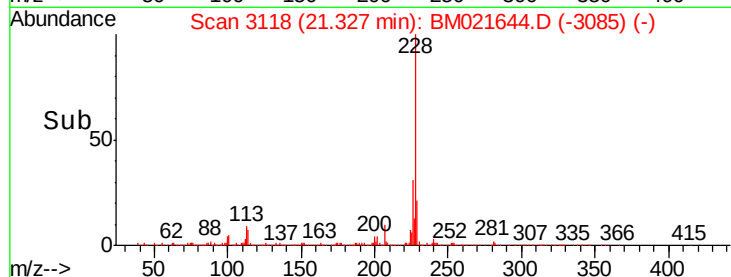
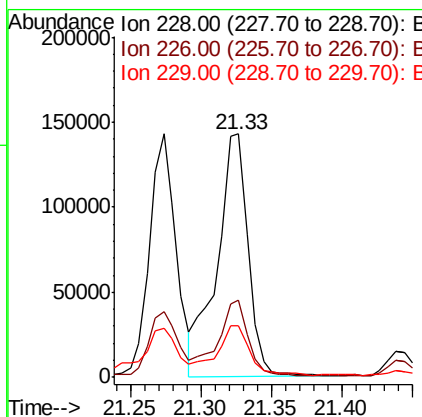
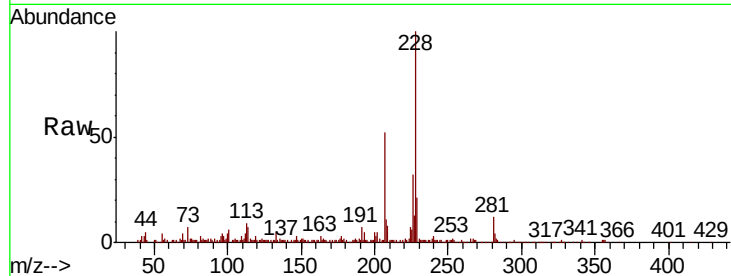
ClientSampleId :

BENR6

Tot Ion:	228	Resp:	219893
Ion Ratio		Lower	Upper
228	100		
226	31.6	24.2	36.2
229	21.1	15.4	23.2

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#87

Benzo(b)fluoranthene

Concen: 4.469 ng/ul

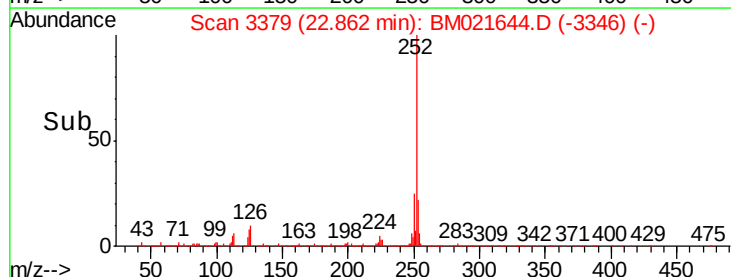
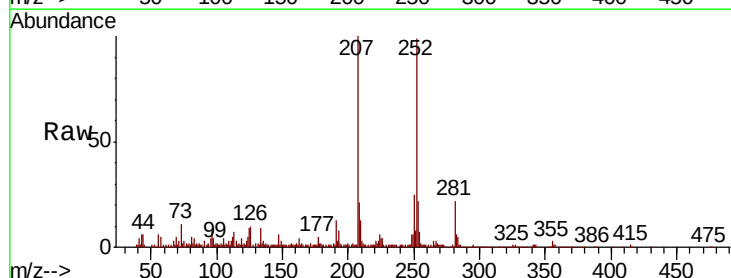
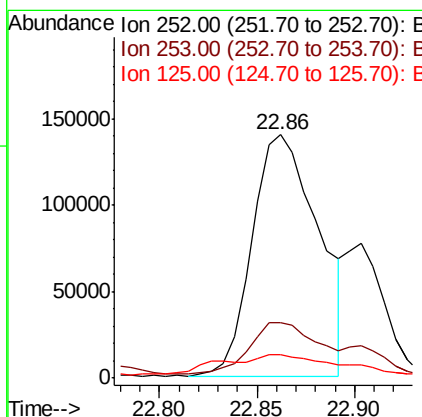
RT: 22.86 min Scan# 3379

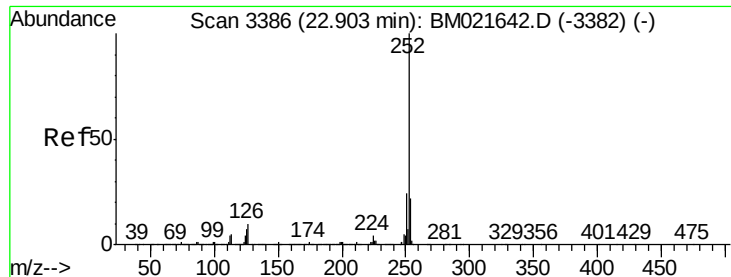
Delta R.T. -0.01 min

Lab File: BM021644.D

Acq: 25 Jul 2019 19:51

Tgt Ion:	252	Resp:	329038
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.6	26.4
125	9.4	5.8	8.6#





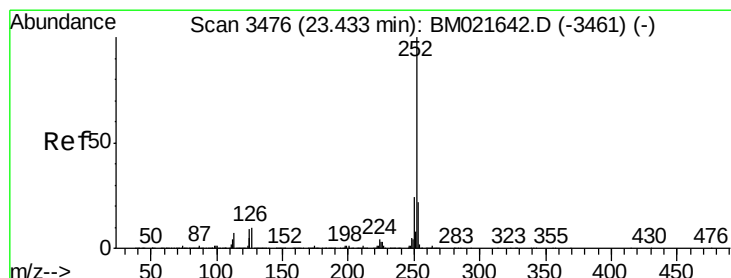
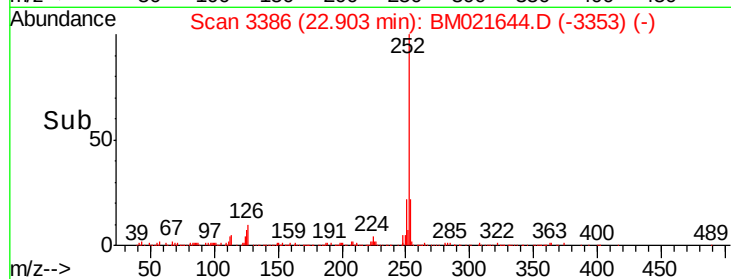
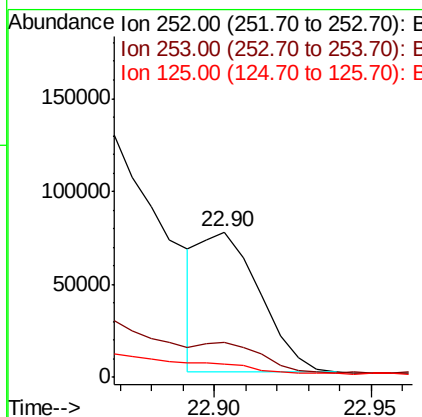
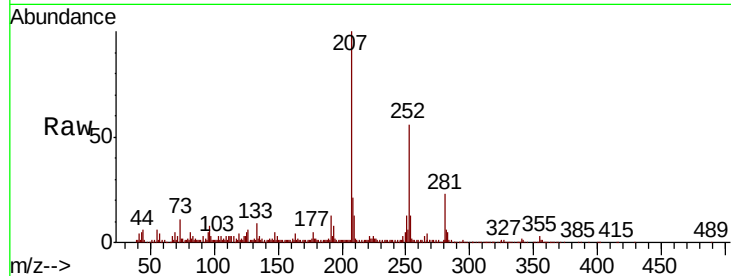
#88
Benzo(k)fluoranthene
Concen: 1.365 ng/ul m
RT: 22.90 min Scan# 3386
Delta R.T. -0.01 min
Lab File: BM021644.D
Acq: 25 Jul 2019 19:51

Instrument :
BNA_M
ClientSampleId :
BENR6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	9.5	6.4	9.6

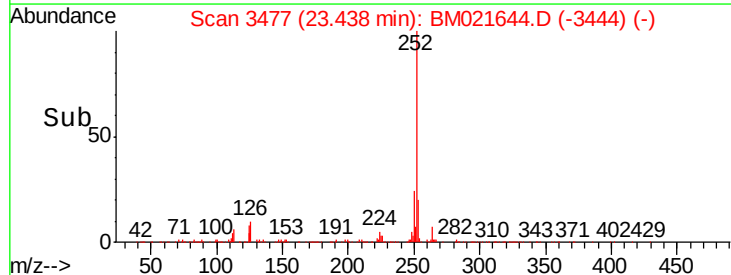
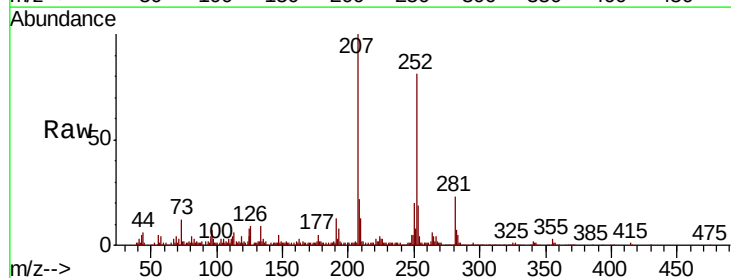
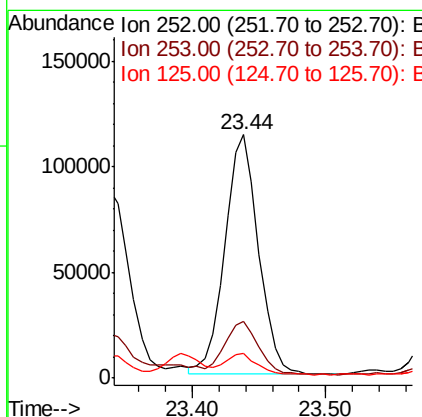
Manual Integrations
APPROVED

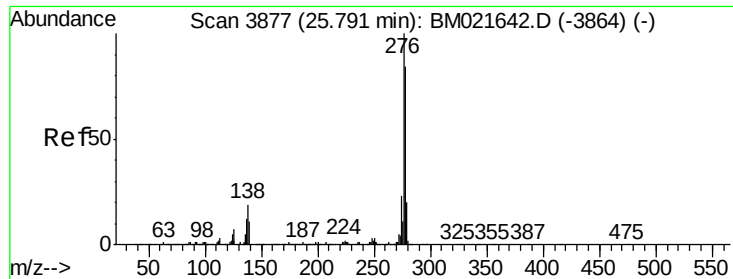
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#90
Benzo(a)pyrene
Concen: 2.821 ng/ul
RT: 23.44 min Scan# 3477
Delta R.T. -0.01 min
Lab File: BM021644.D
Acq: 25 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.0	7.0	10.4





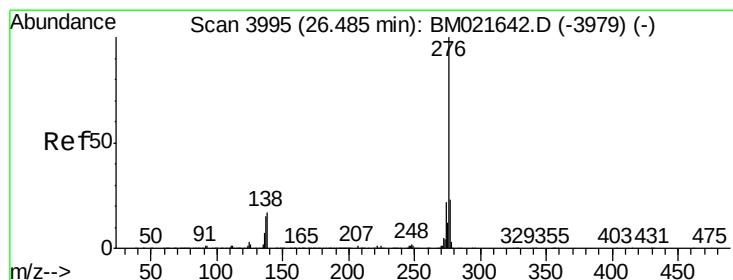
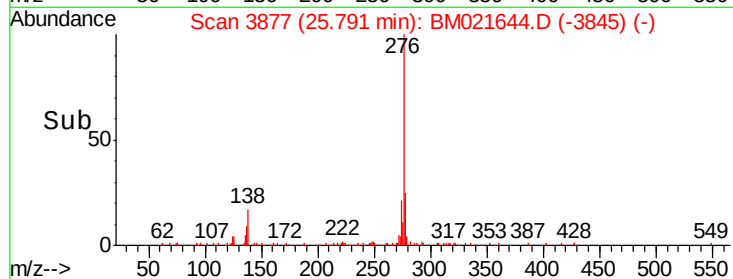
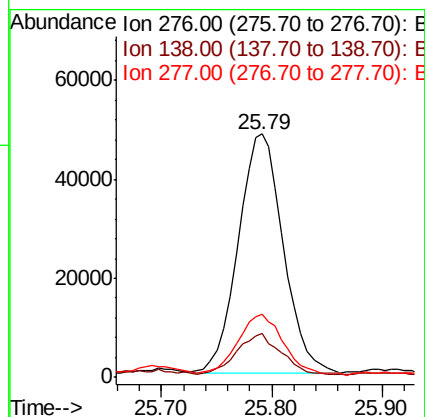
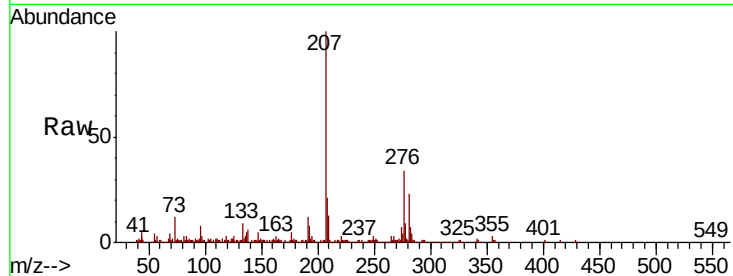
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 1.614 ng/ul
 RT: 25.79 min Scan# 3877
 Delta R.T. -0.01 min
 Lab File: BM021644.D
 Acq: 25 Jul 2019 19:51

Instrument :
 BNA_M
 ClientSampleId :
 BENR6

Tot Ion:	276	Resp:	138609
Ion Ratio	Lower	Upper	
276	100		
138	18.2	15.2	22.8
277	26.2	20.2	30.2

Manual Integrations
 APPROVED

mohammad
 7/26/2019 3:24:08 PM



#93
 Benzo(g,h,i)perylene
 Concen: 1.913 ng/ul
 RT: 26.49 min Scan# 3995
 Delta R.T. -0.01 min
 Lab File: BM021644.D
 Acq: 25 Jul 2019 19:51

Tgt Ion:	276	Resp:	133033
Ion Ratio	Lower	Upper	
276	100		
138	17.0	13.7	20.5
277	24.5	19.0	28.6

