

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
 Data File : BM023180.D
 Acq On : 15 Oct 2019 23:21
 Operator : JU
 Sample : K5202-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB3

Manual Integrations
 APPROVED

mohammad
 10/17/2019 7:58:09 AM

Quant Time: Oct 16 08:23:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 15 02:28:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	399083	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1765044	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.33	164	1171411	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	2496940	20.00	ng/ul	-0.01
78) Chrysene-d12	21.26	240	2491077	20.00	ng/ul	-0.01
86) Perylene-d12	23.47	264	2402060	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	30475	3.36	ng/uL	0.00
5) Phenol-d5	6.85	99	612712	17.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	382997	19.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	497076	18.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	523952	18.77	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	233684	19.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	231049	20.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	522622	18.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	643390	18.29	ng/ul	0.00
44) Dimethylphthalate-d6	13.74	166	1836625	20.46	ng/ul	0.00
47) Acenaphthylene-d8	14.02	160	2136274	20.29	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.52	143	136738	9.41	ng/ul	0.00
58) Fluorene-d10	15.32	176	1613126	21.09	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.43	200	117663	11.89	ng/ul	-0.01
71) Anthracene-d10	17.17	188	2564890	21.30	ng/ul	-0.01
79) Pyrene-d10	19.46	212	2948106	24.44	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.33	264	2761603	22.68	ng/ul	-0.02

Target Compounds

					Ovalue	
6) Phenol	6.88	94	48674	1.358	ng/ul	96
28) Naphthalene	10.52	128	150774	1.653	ng/ul	100
45) Dimethylphthalate	13.79	163	724364	8.062	ng/ul	99
48) Acenaphthylene	14.04	152	152830	1.420	ng/ul	99
50) Acenaphthene	14.39	153	83397	1.113	ng/ul	99
59) Fluorene	15.38	166	181663	2.081	ng/ul	99
70) Phenanthrene	17.12	178	1469534	10.487	ng/ul	100
72) Anthracene	17.20	178	611852	4.225	ng/ul	99
77) Fluoranthene	19.13	202	3079157	18.476	ng/ul	99
80) Pyrene	19.49	202	2398072	15.367	ng/ul	99
83) Benzo(a)anthracene	21.24	228	1670257	9.896	ng/ul	94
85) Chrysene	21.29	228	1280631	8.171	ng/ul	97
88) Benzo(b)fluoranthene	22.81	252	1524468	10.467	ng/ul#	98
89) Benzo(k)fluoranthene	22.85	252	580382m	4.150	ng/ul	
91) Benzo(a)pyrene	23.37	252	1141911	8.172	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.69	276	570563	3.433	ng/ul	99
93) Dibenzo(a,h)anthracene	25.70	278	154992	1.115	ng/ul#	85
94) Benzo(g,h,i)perylene	26.37	276	461119	3.369	ng/ul	99

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

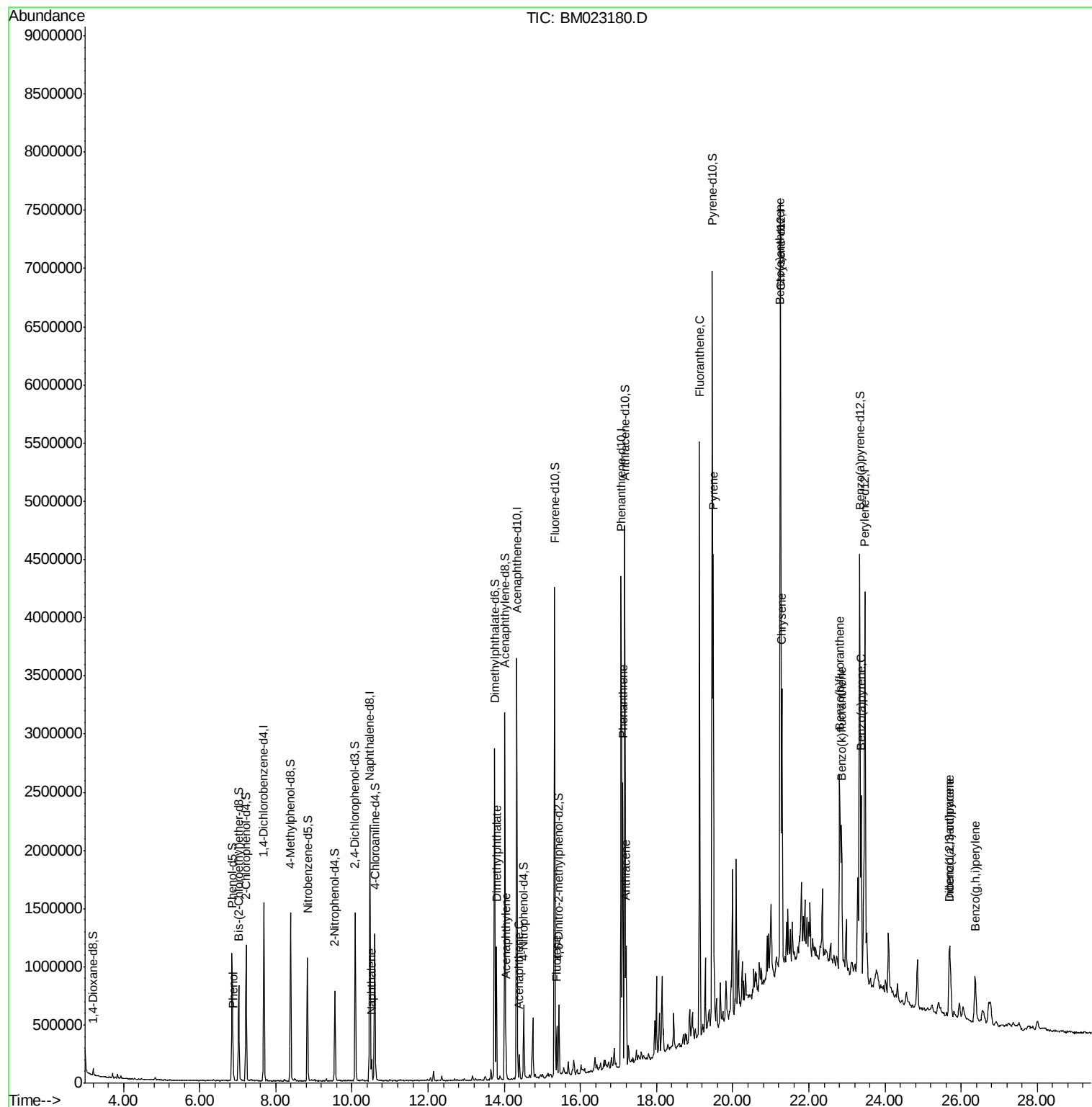
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101519\
Data File : BM023180.D
Acq On : 15 Oct 2019 23:21
Operator : JU
Sample : K5202-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

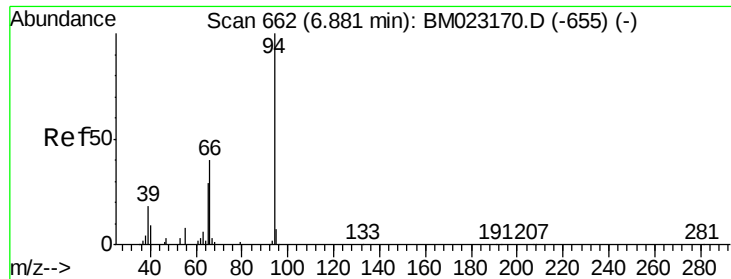
Instrument :
BNA_M
ClientSampleId :
C0AB3

Manual Integrations
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Quant Time: Oct 16 08:23:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 15 02:28:10 2019
Response via : Initial Calibration





#6

Phenol

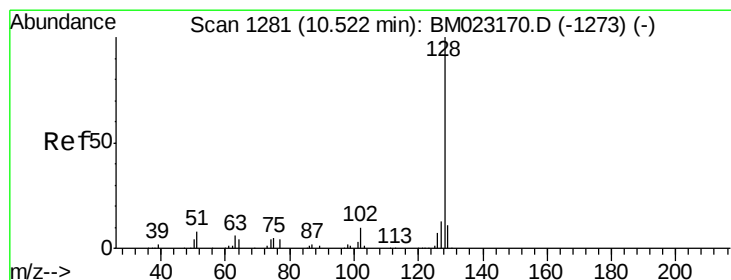
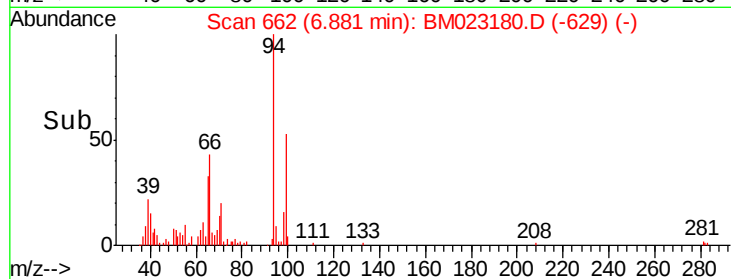
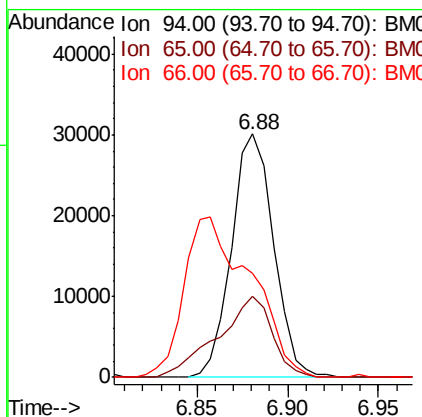
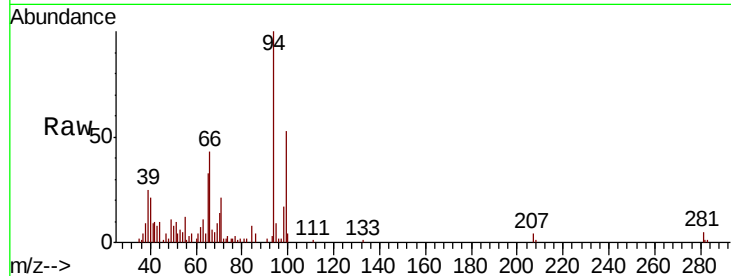
Concen: 1.358 ng/ul
 RT: 6.88 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BM023180.D
 Acq: 15 Oct 2019 23:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AB3

Tot Ion	Ratio	Lower	Upper
94	100		
65	33.1	23.7	35.5
66	42.8	32.9	49.3

Manual Integrations
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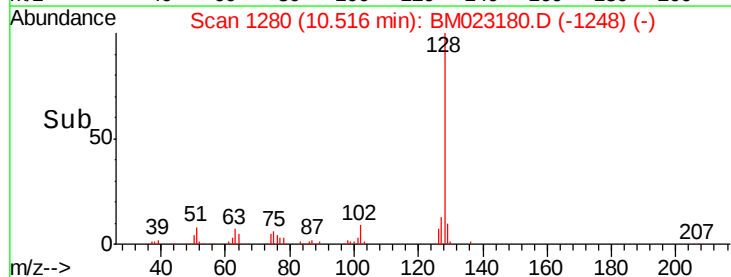
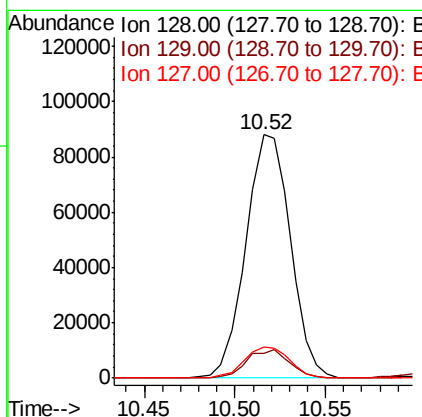
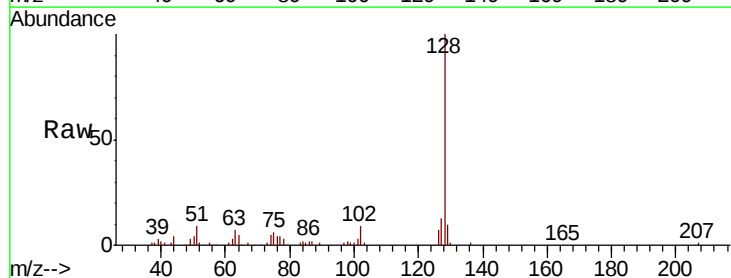


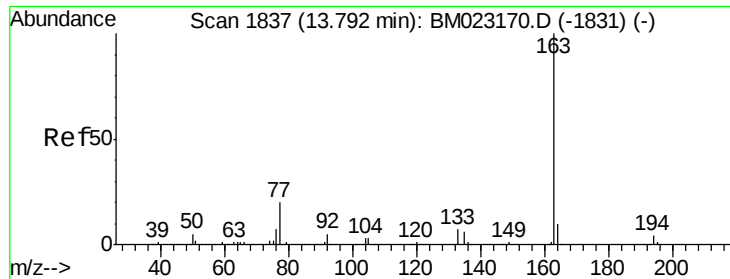
#28

Naphthalene

Concen: 1.653 ng/ul
 RT: 10.52 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: BM023180.D
 Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.3	12.5
127	12.6	10.2	15.4





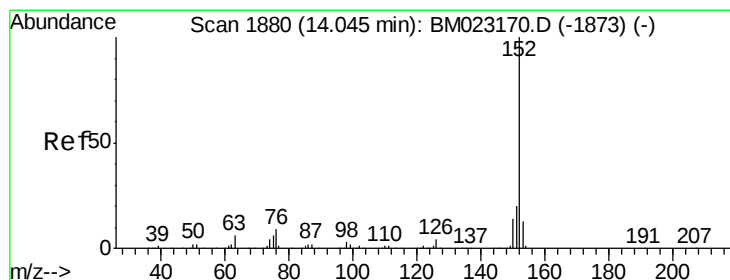
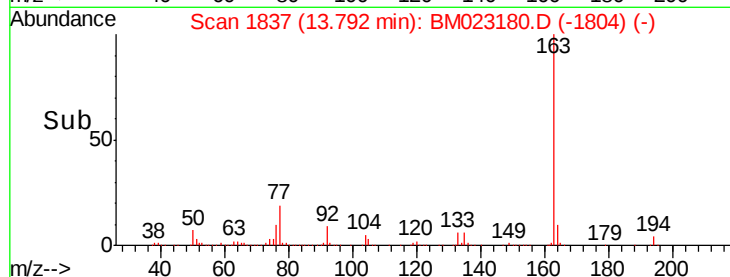
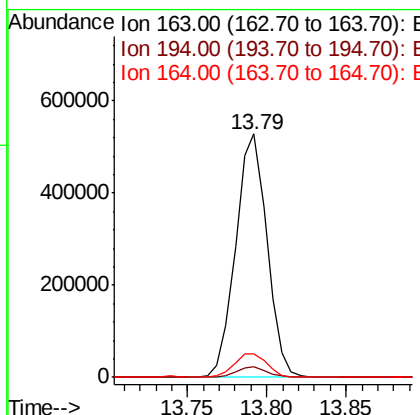
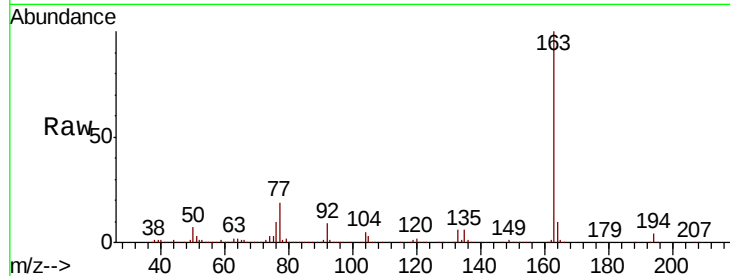
#45
Dimethylphthalate
Concen: 8.062 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Instrument :
BNA_M
ClientSampleId :
C0AB3

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.7	8.0	12.0

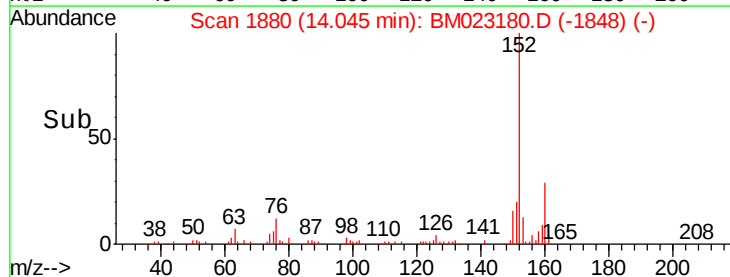
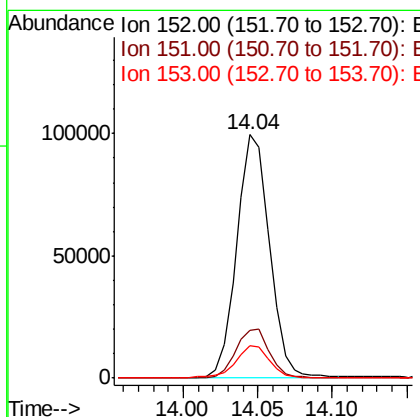
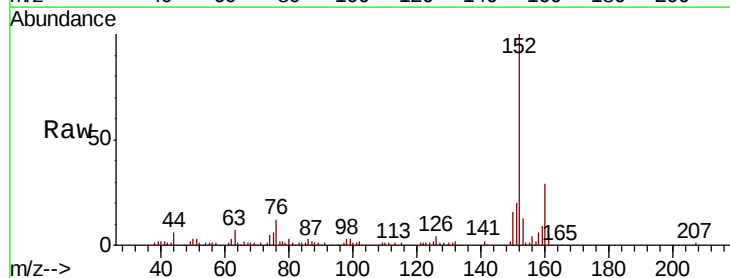
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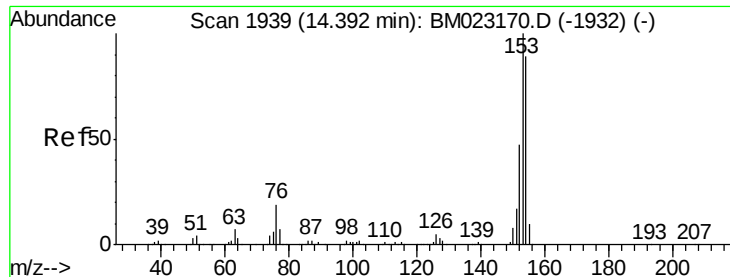
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#48
Acenaphthylene
Concen: 1.420 ng/ul
RT: 14.04 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.3	10.3	15.5





#50

Acenaphthene

Concen: 1.113 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM023180.D

Acq: 15 Oct 2019 23:21

Instrument :

BNA_M

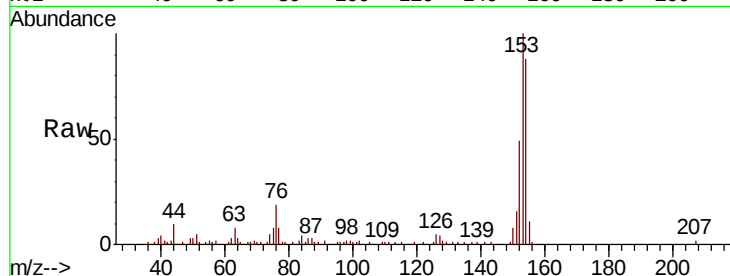
ClientSampleId :

C0AB3

Tot Ion:	153	Resp:	83397
Ion Ratio	Lower	Upper	
153	100		
152	49.1	38.0	57.0
154	88.2	70.4	105.6

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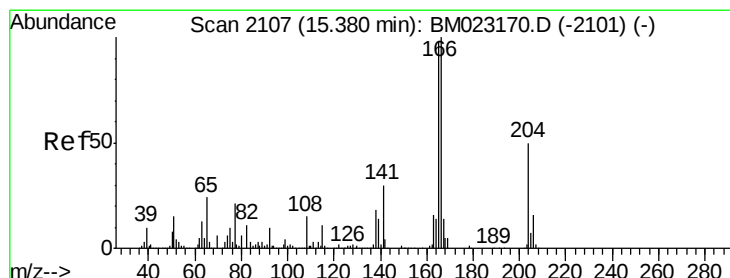
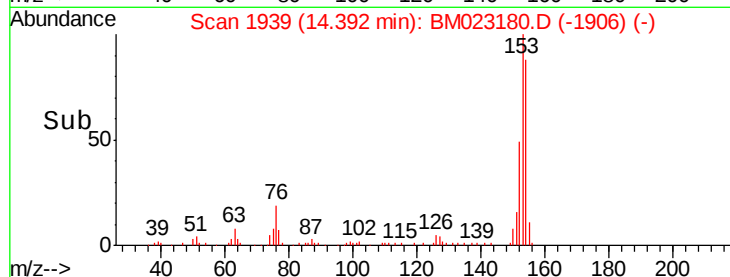
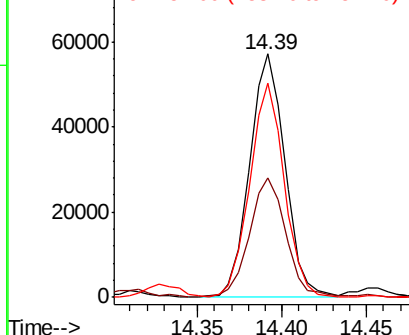


Abundance

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



#59

Fluorene

Concen: 2.081 ng/ul

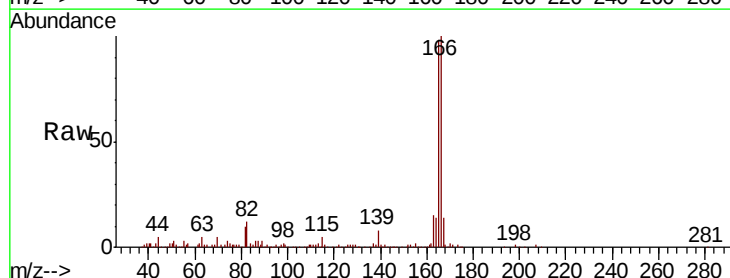
RT: 15.38 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BM023180.D

Acq: 15 Oct 2019 23:21

Tgt Ion:	166	Resp:	181663
Ion Ratio	Lower	Upper	
166	100		
165	98.2	77.4	116.0
167	13.6	10.8	16.2

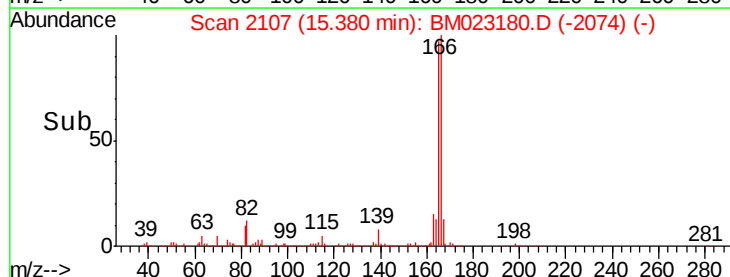
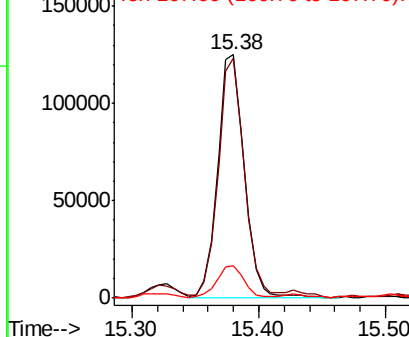


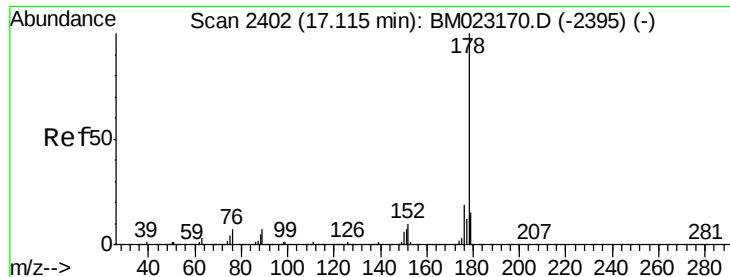
Abundance

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





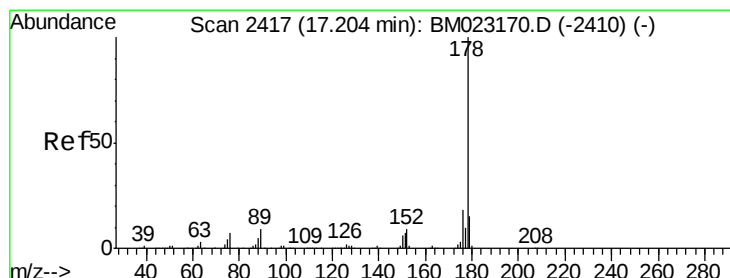
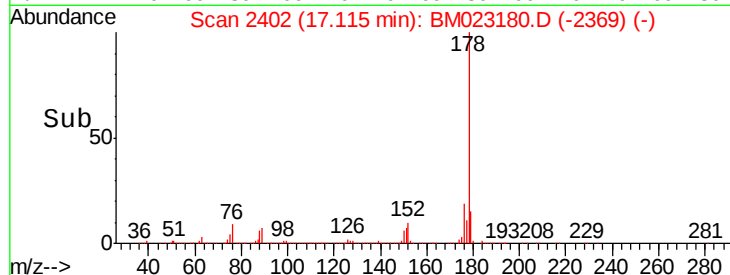
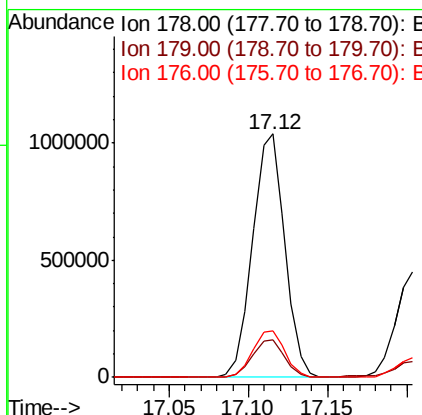
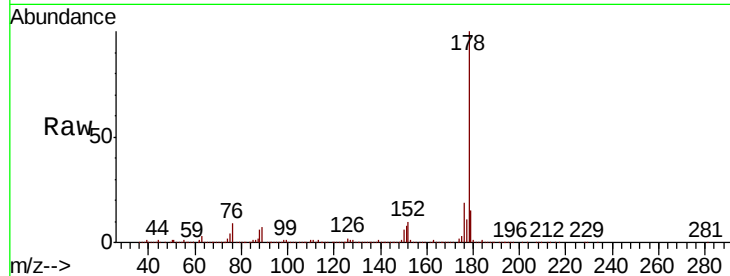
#70
Phenanthrene
Concen: 10.487 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Instrument :
BNA_M
ClientSampleId :
C0AB3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.2	15.5	23.3

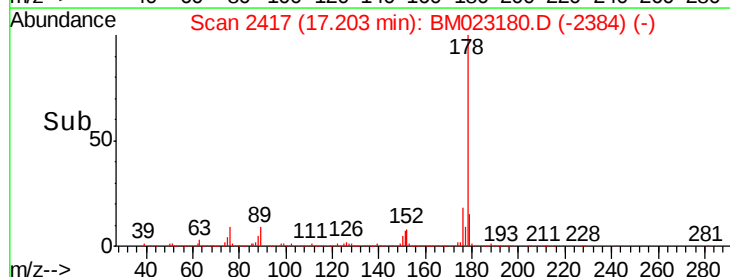
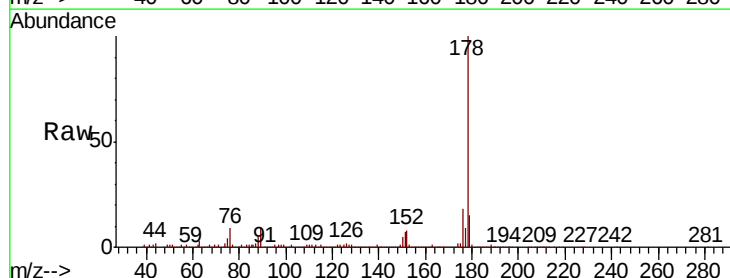
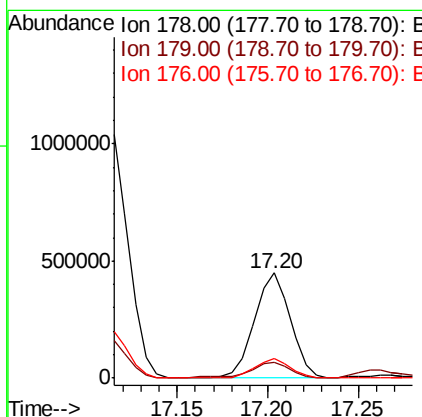
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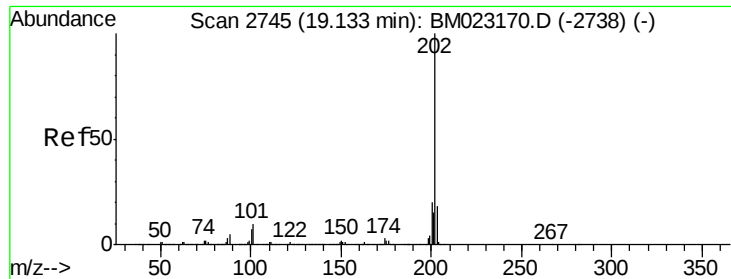
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#72
Anthracene
Concen: 4.225 ng/ul
RT: 17.20 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.1	15.0	22.4





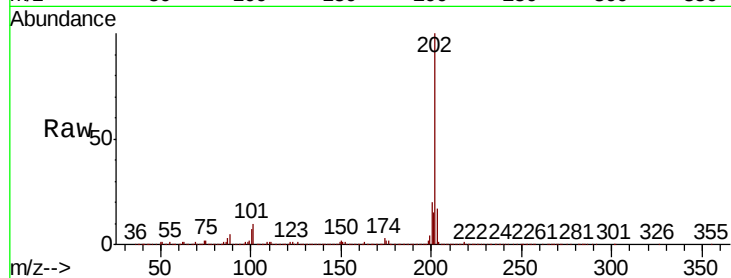
#77
Fluoranthene
 Concen: 18.476 ng/ul
 RT: 19.13 min Scan# 2745
 Delta R.T. -0.01 min
 Lab File: BM023180.D
 Acq: 15 Oct 2019 23:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AB3

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.8	11.8
100	7.2	6.1	9.1

Manual Integrations
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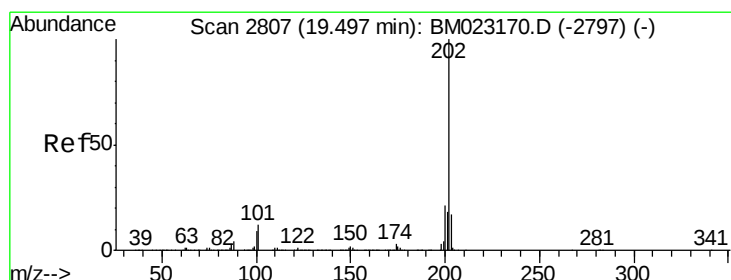
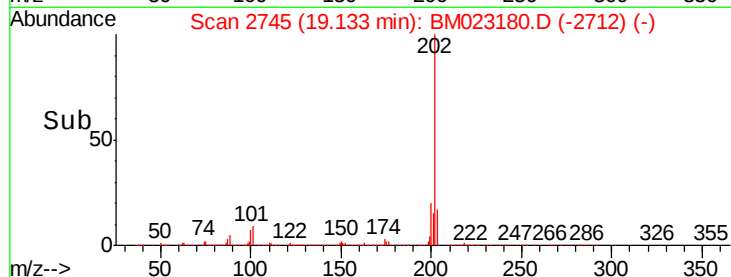
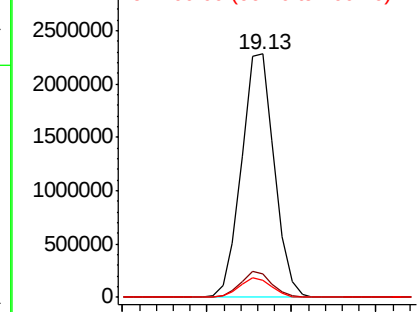


Abundance

Ion 202.00 (201.70 to 202.70): E

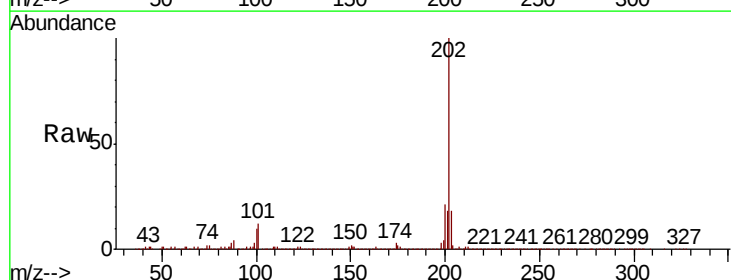
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80
Pyrene
 Concen: 15.367 ng/ul
 RT: 19.49 min Scan# 2806
 Delta R.T. -0.01 min
 Lab File: BM023180.D
 Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.1	13.7
100	9.9	7.5	11.3

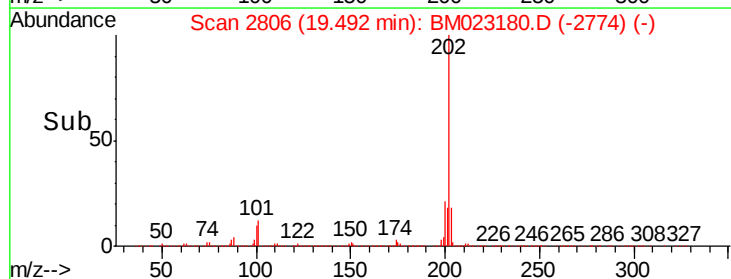
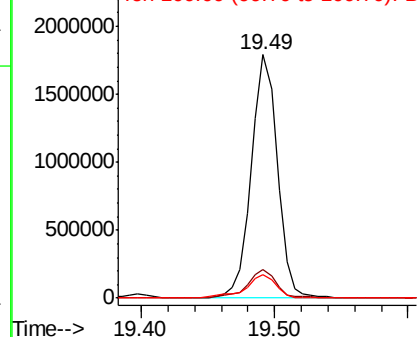


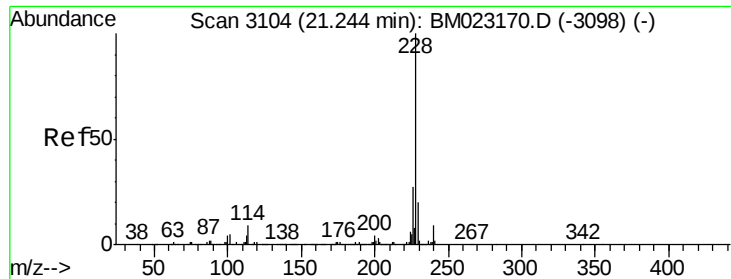
Abundance

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





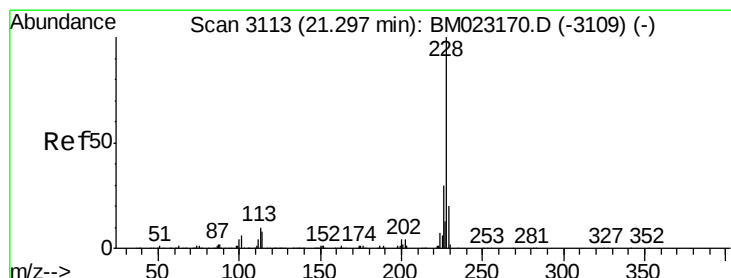
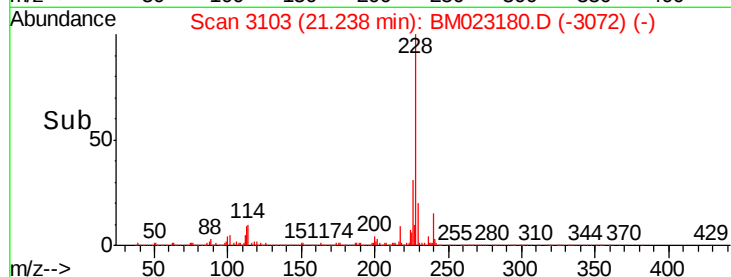
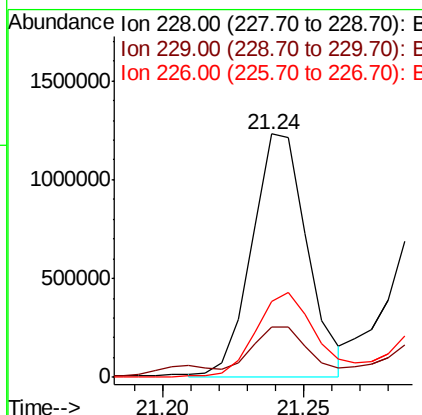
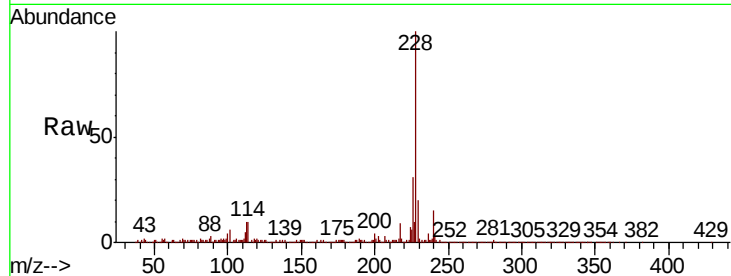
#83
Benzo(a)anthracene
Concen: 9.896 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Instrument :
BNA_M
ClientSampleId :
C0AB3

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.7	23.5
226	31.3	21.6	32.4

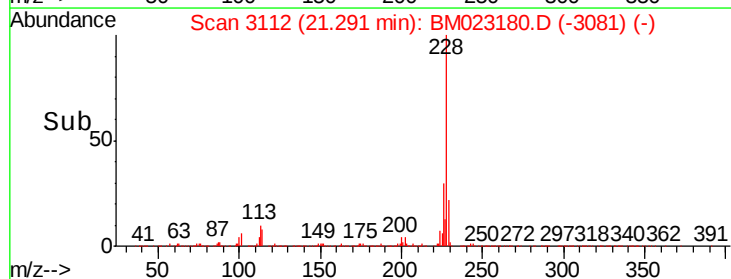
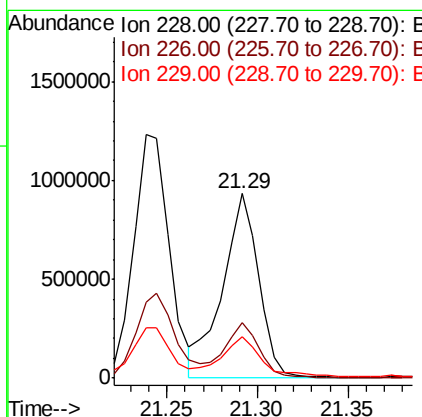
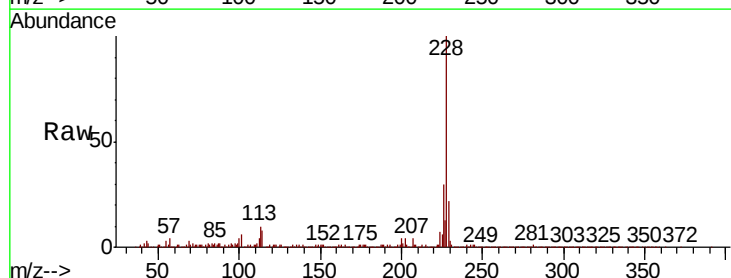
Manual Integrations
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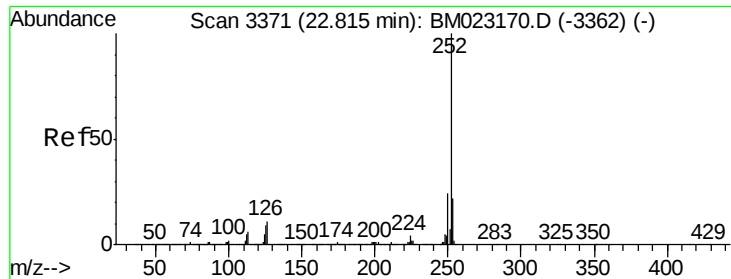
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#85
Chrysene
Concen: 8.171 ng/ul
RT: 21.29 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	22.2	15.5	23.3





#88

Benzo(b)fluoranthene

Concen: 10.467 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. -0.02 min

Lab File: BM023180.D

Acq: 15 Oct 2019 23:21

Instrument :

BNA_M

ClientSampleId :

C0AB3

Tot Ion:252 Resp: 1524468

Ion Ratio Lower Upper

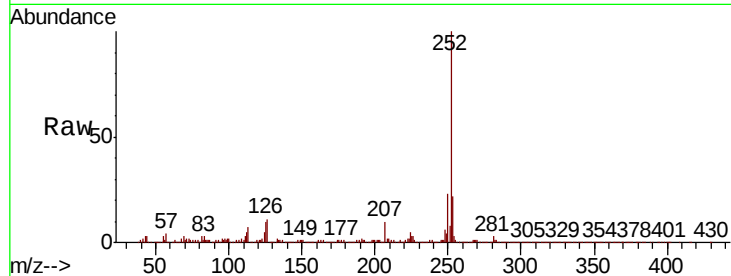
252 100

253 22.4 17.6 26.4

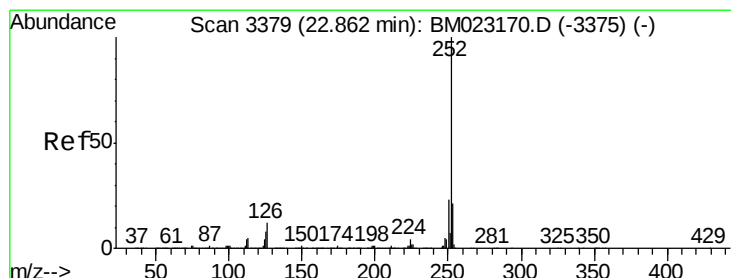
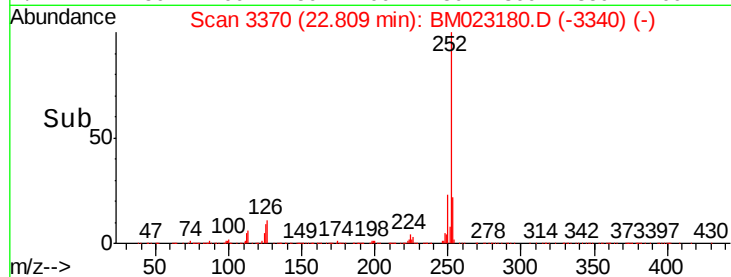
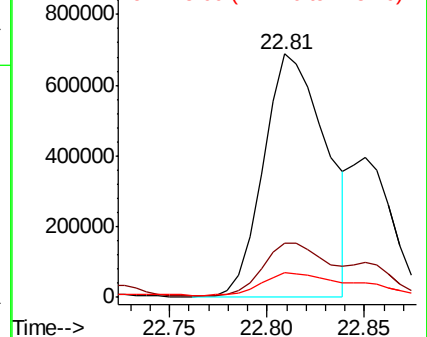
125 10.1 6.4 9.6#

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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



#89

Benzo(k)fluoranthene

Concen: 4.150 ng/ul m

RT: 22.85 min Scan# 3377

Delta R.T. -0.02 min

Lab File: BM023180.D

Acq: 15 Oct 2019 23:21

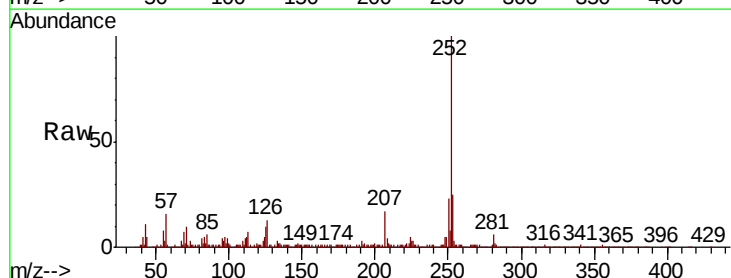
Tgt Ion:252 Resp: 580382

Ion Ratio Lower Upper

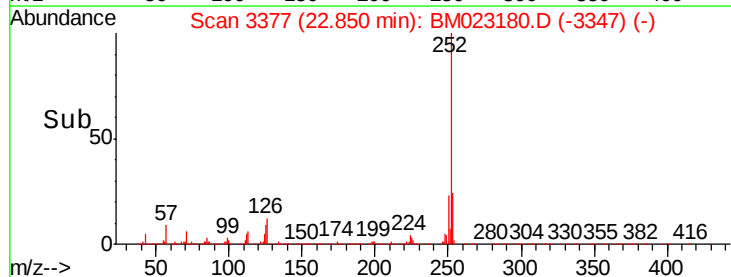
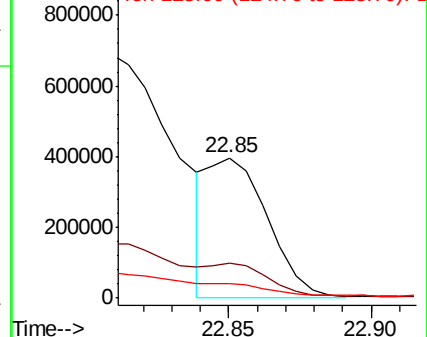
252 100

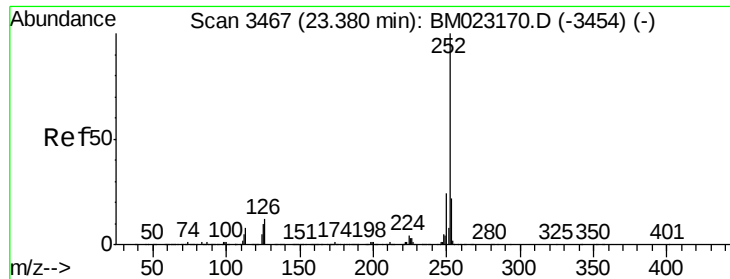
253 24.7 17.4 26.0

125 10.5 6.5 9.7#



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





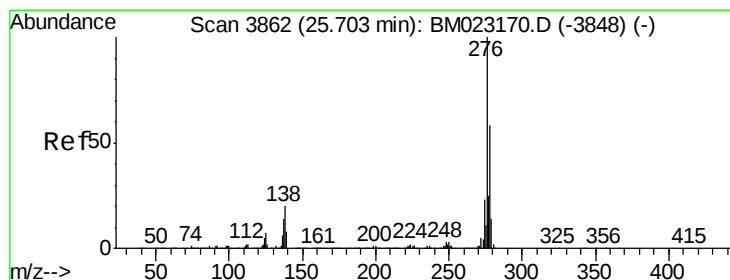
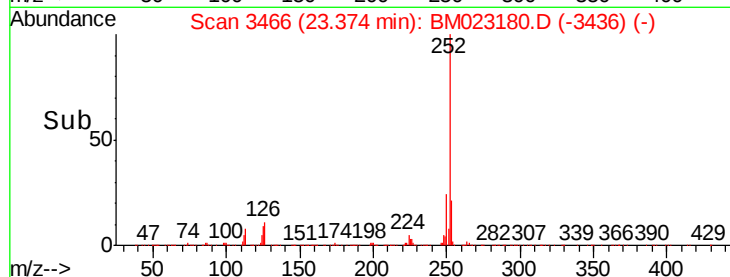
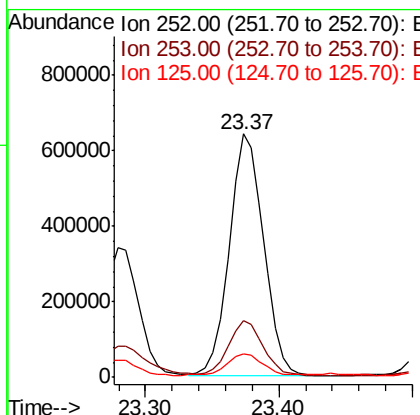
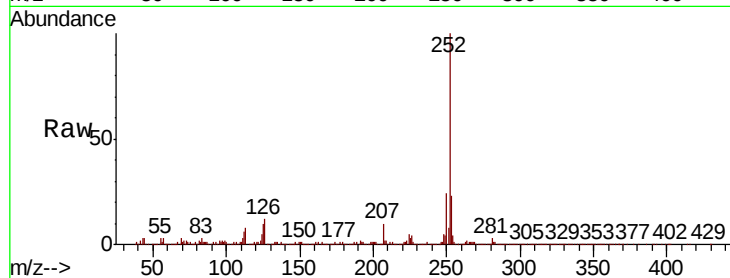
#91
Benzo(a)pyrene
Concen: 8.172 ng/ul
RT: 23.37 min Scan# 3466
Delta R.T. -0.02 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Instrument :
BNA_M
ClientSampleId :
C0AB3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	9.7	7.4	11.0

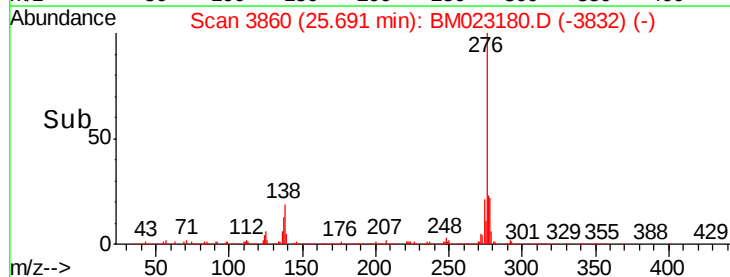
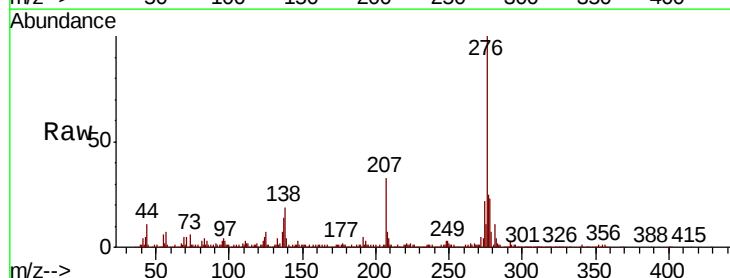
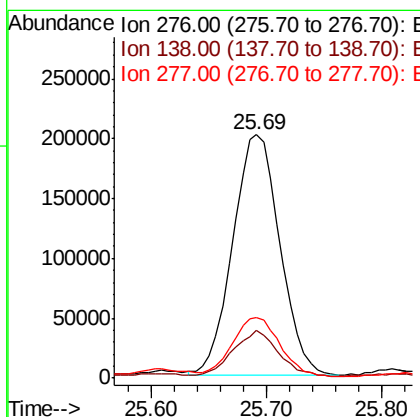
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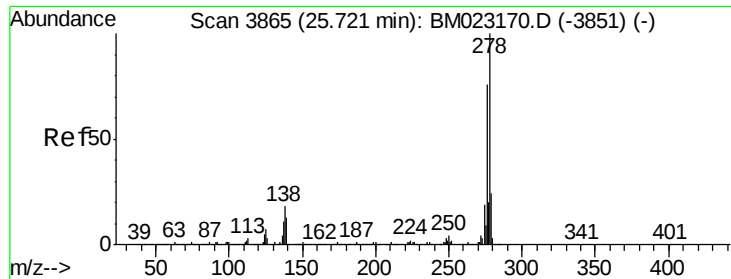
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#92
Indeno(1,2,3-cd)pyrene
Concen: 3.433 ng/ul
RT: 25.69 min Scan# 3860
Delta R.T. -0.04 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	14.9	22.3
277	25.0	19.8	29.8





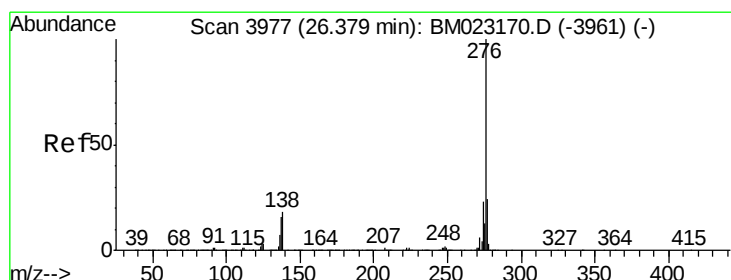
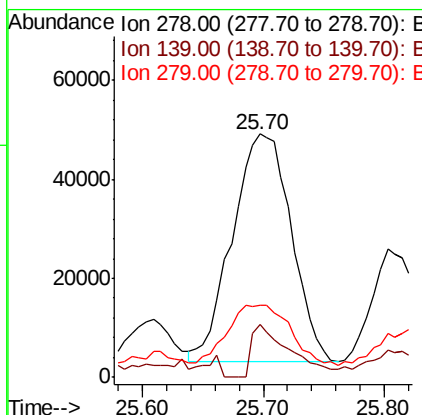
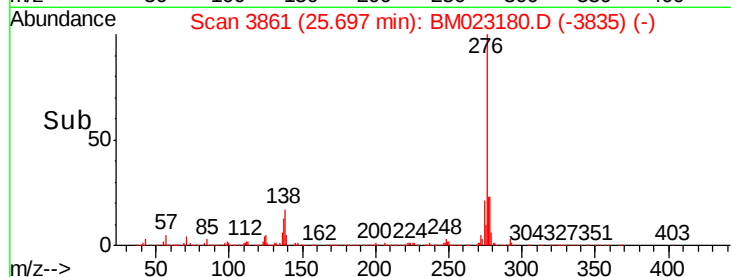
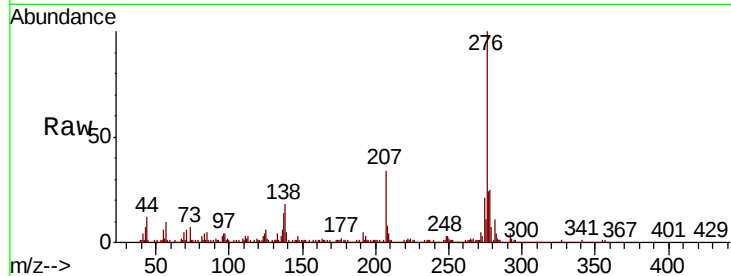
#93
Dibenzo(a,h)anthracene
Concen: 1.115 ng/ul
RT: 25.70 min Scan# 3861
Delta R.T. -0.05 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Instrument :
BNA_M
ClientSampleId :
C0AB3

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.0	10.0	15.0#
279	29.6	19.4	29.0#

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 3.369 ng/ul
RT: 26.37 min Scan# 3975
Delta R.T. -0.04 min
Lab File: BM023180.D
Acq: 15 Oct 2019 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.4	21.6
277	24.4	19.4	29.2

