

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020804.D
 Acq On : 07 Jun 2019 15:13
 Operator : HP/JU
 Sample : K3201-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

Manual Integrations
 APPROVED

mohammad
 6/14/2019 8:41:44 AM

Quant Time: Jun 08 01:35:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	269725	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1092355	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	619045	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1330459	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1191710	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	1372478	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	34386	6.08	ng/uL	0.00
5) Phenol-d5	6.98	99	616755	29.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	410223	33.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	563223	34.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	460327	27.72	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	277901	37.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	312880	40.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	586257	36.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	586093	30.40	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1826212	39.88	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	2205305	37.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.65	143	209815	26.70	ng/ul	0.00
57) Fluorene-d10	15.45	176	1512989	38.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	114093	16.77	ng/ul	0.00
70) Anthracene-d10	17.29	188	2280820	39.25	ng/ul	0.00
78) Pyrene-d10	19.59	212	2278744	39.56	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	2344129	37.58	ng/ul	0.00

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.91	163	756297	16.495	ng/ul	100
47) Acenaphthylene	14.17	152	179447	3.194	ng/ul	98
49) Acenaphthene	14.51	153	64326	1.640	ng/ul	95
53) Dibenzofuran	14.85	168	57643	1.039	ng/ul	98
58) Fluorene	15.50	166	68433	1.537	ng/ul#	96
69) Phenanthrene	17.24	178	1861747	27.804	ng/ul	99
71) Anthracene	17.33	178	362676	5.284	ng/ul	99
74) Carbazole	17.60	167	143219	2.400	ng/ul	99
76) Fluoranthene	19.26	202	3985454	51.939	ng/ul	99
79) Pyrene	19.62	202	3708020	50.407	ng/ul	97
82) Benzo(a)anthracene	21.36	228	2257970	30.373	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.29	149	90000	1.780	ng/ul	97
84) Chrysene	21.42	228	2105872	30.528	ng/ul	98
87) Benzo(b)fluoranthene	22.98	252	2836808	35.531	ng/ul	98
88) Benzo(k)fluoranthene	23.02	252	948318m	12.426	ng/ul	
90) Benzo(a)pyrene	23.57	252	1934251	25.464	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.98	276	1319663	14.709	ng/ul	98
92) Dibenz(a,h)anthracene	25.99	278	389107	5.119	ng/ul#	93
93) Benzo(g,h,i)perylene	26.70	276	979070	13.452	ng/ul	99

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

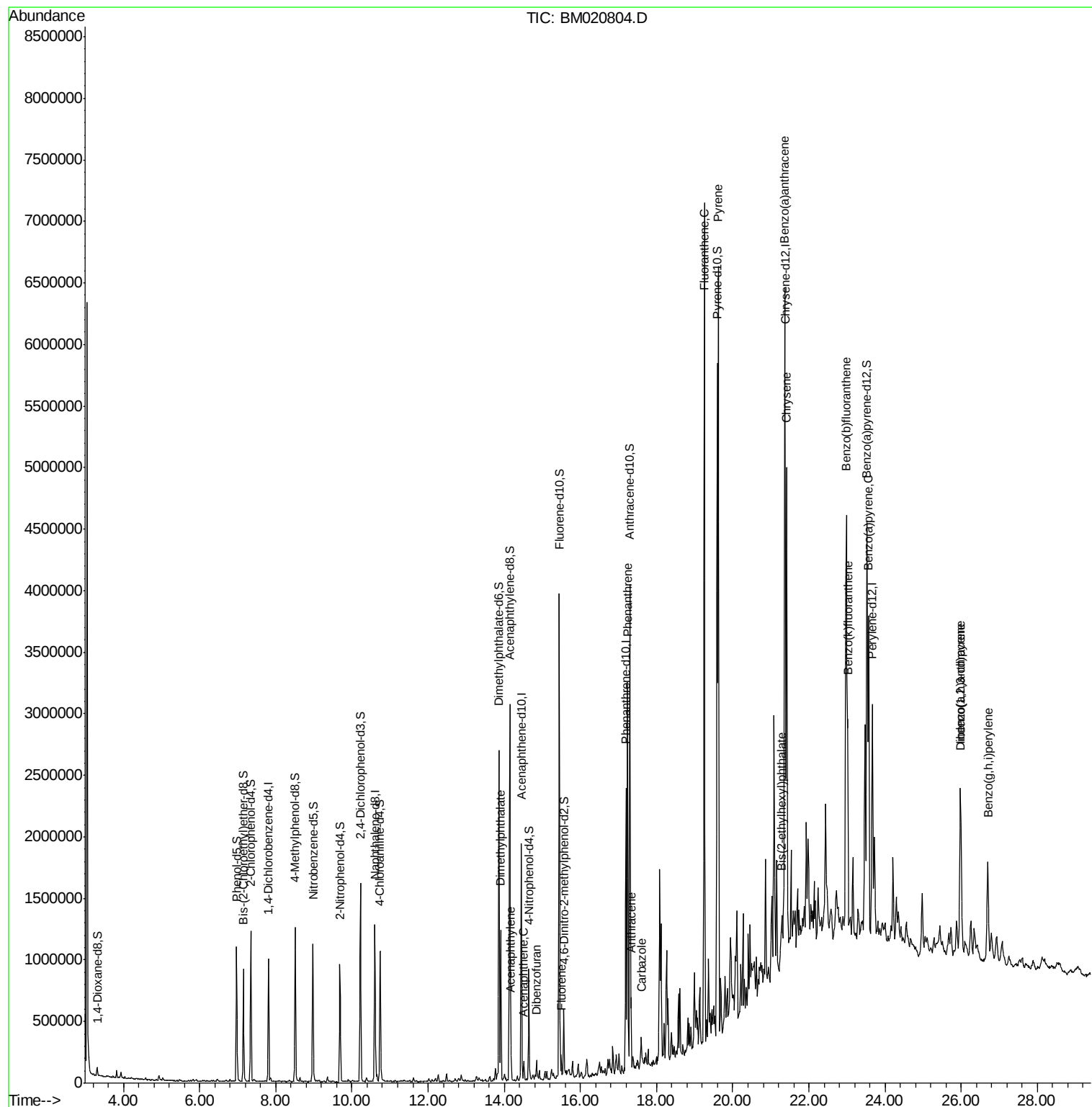
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
Data File : BM020804.D
Acq On : 07 Jun 2019 15:13
Operator : HP/JU
Sample : K3201-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

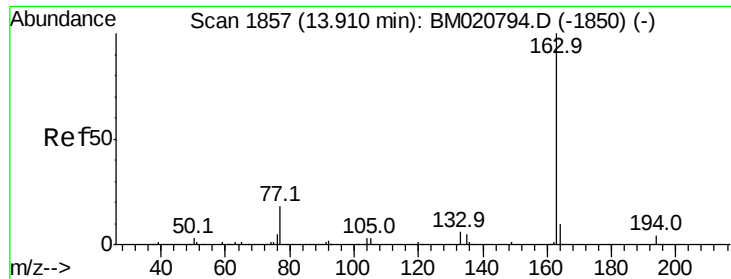
Instrument :
BNA_M
ClientSampled :
C0AC3

Manual Integrations
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Quant Time: Jun 08 01:35:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 08 00:20:16 2019
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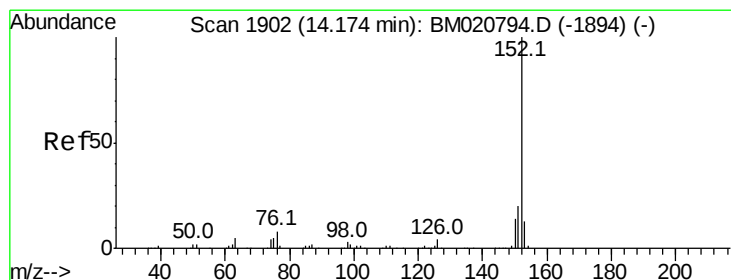
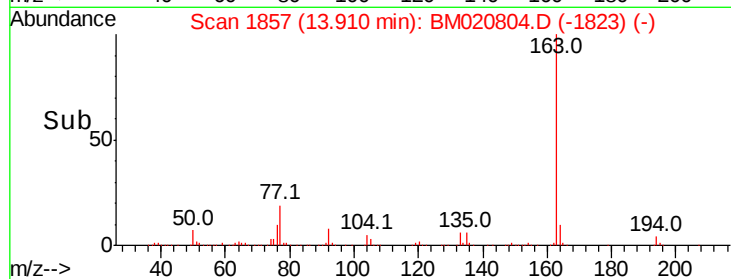
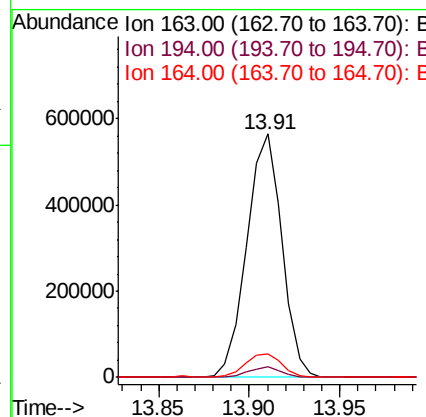
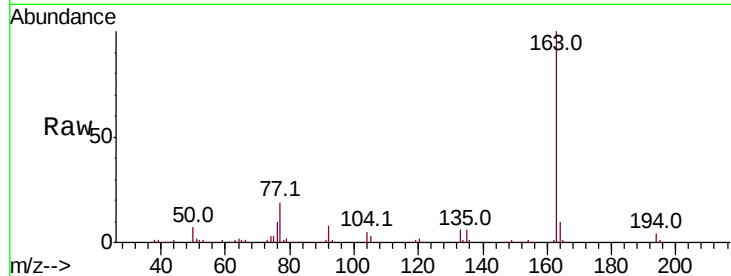
#44
Dimethylphthalate
Concen: 16.495 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Instrument :
BNA_M
ClientSampleId :
C0AC3

Tot Ion:	163	Resp:	756297
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.2	4.8
164	9.9	8.0	12.0

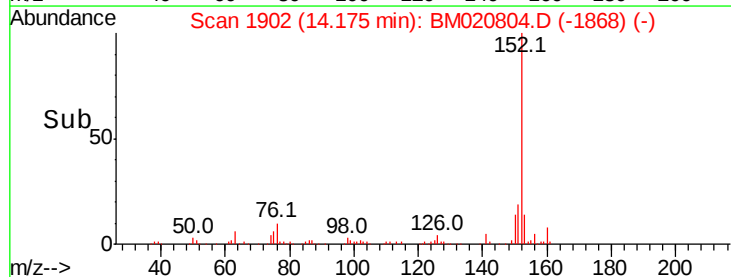
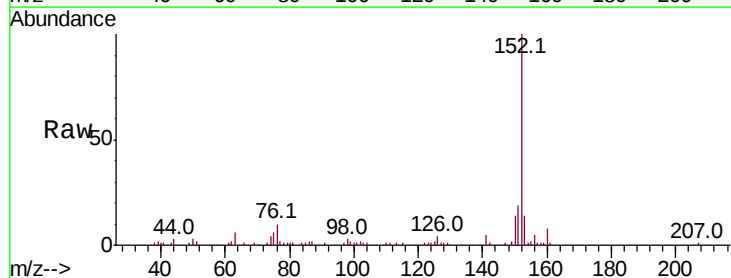
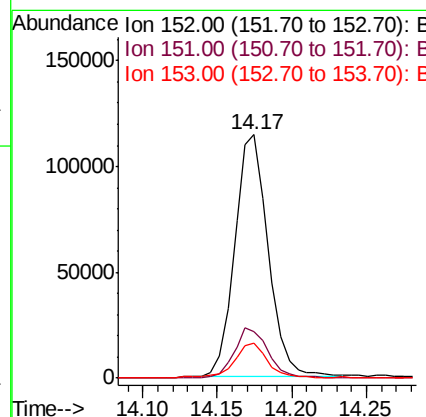
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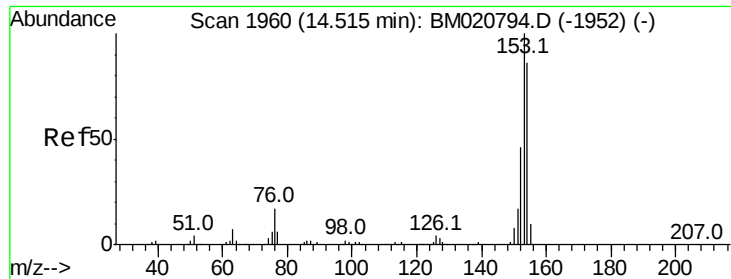
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#47
Acenaphthylene
Concen: 3.194 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. 0.00 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Tgt Ion:	152	Resp:	179447
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.2	24.2
153	14.2	10.6	15.8





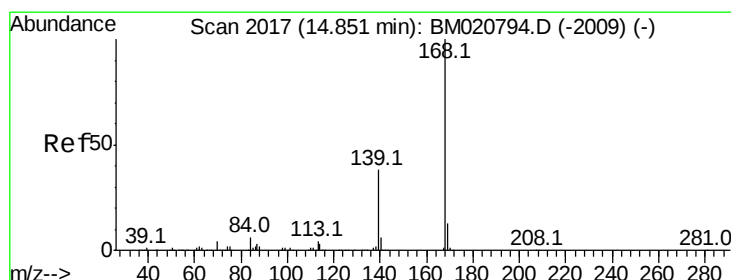
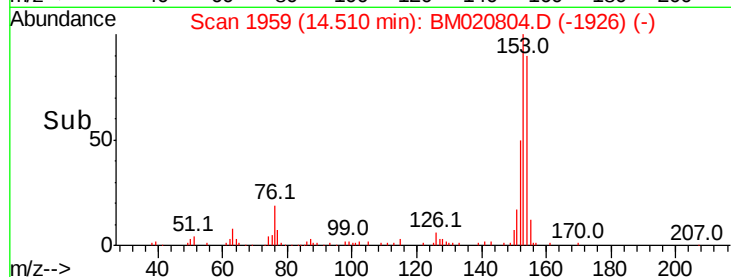
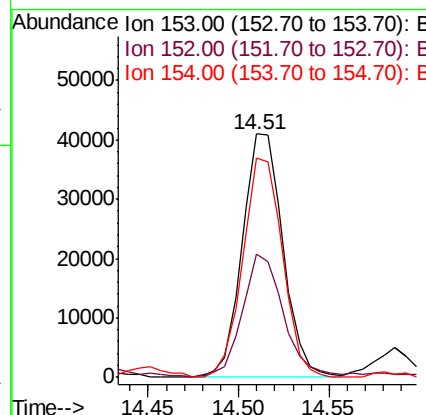
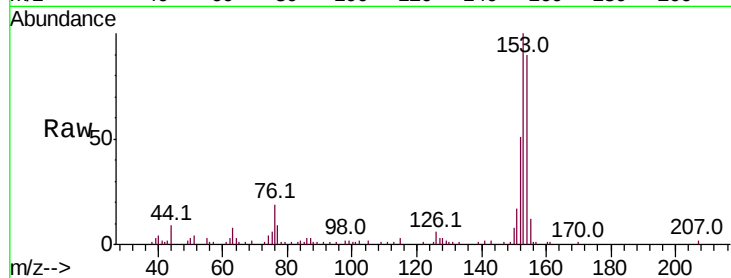
#49
Acenaphthene
Concen: 1.640 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Instrument :
BNA_M
ClientSampleId :
C0AC3

Tot Ion	Ratio	Lower	Upper
153	100		
152	50.6	37.3	55.9
154	90.0	68.7	103.1

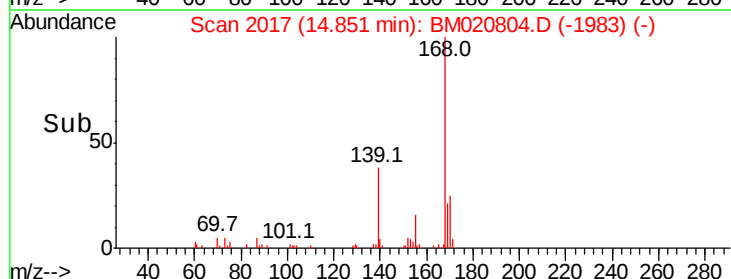
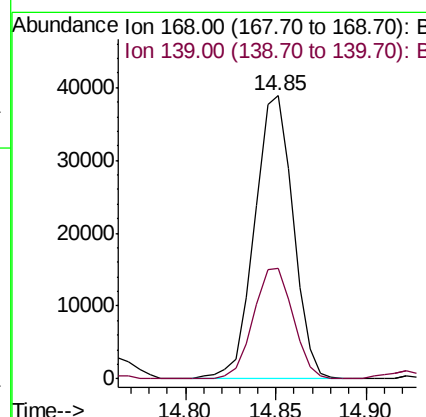
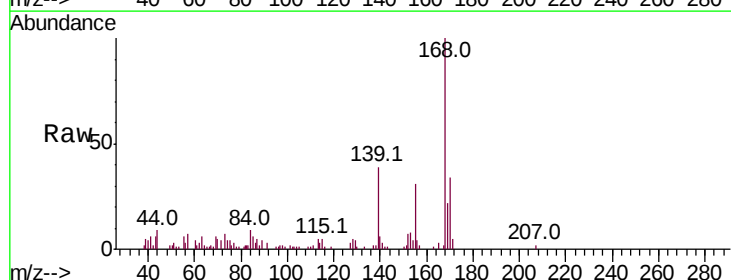
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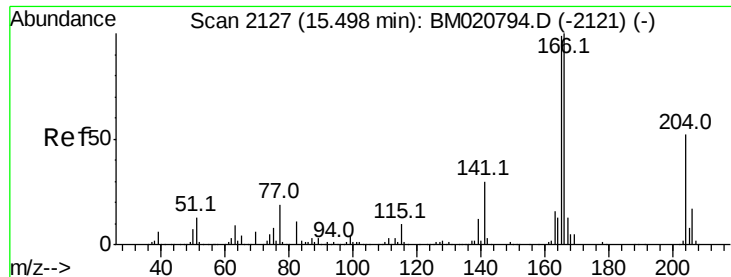
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#53
Dibenzofuran
Concen: 1.039 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.4	45.6





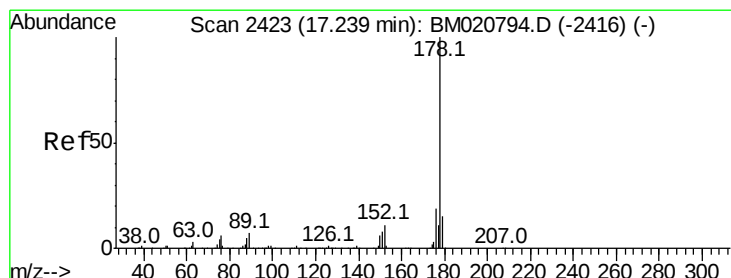
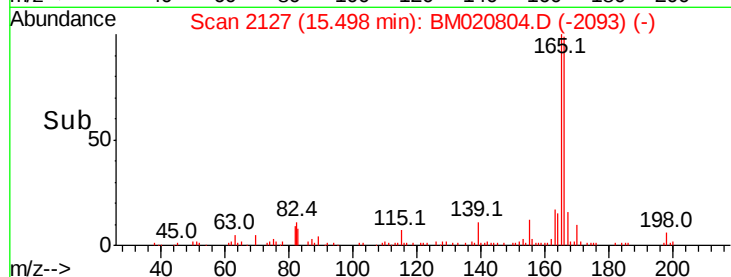
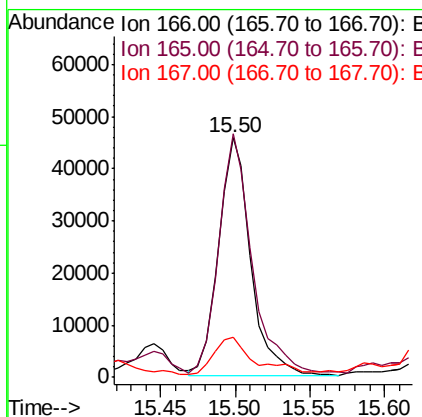
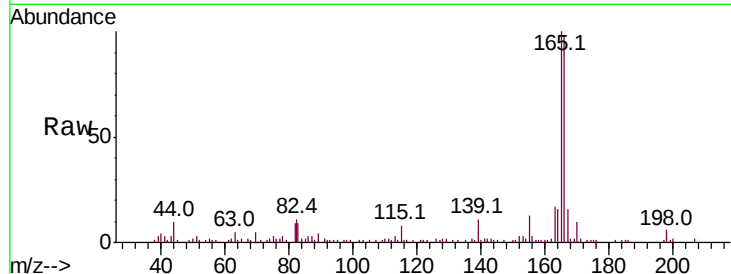
#58
Fluorene
 Concen: 1.537 ng/ul
 RT: 15.50 min Scan# 2127
 Delta R.T. 0.00 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.7	78.6	117.8
167	16.7	10.8	16.2

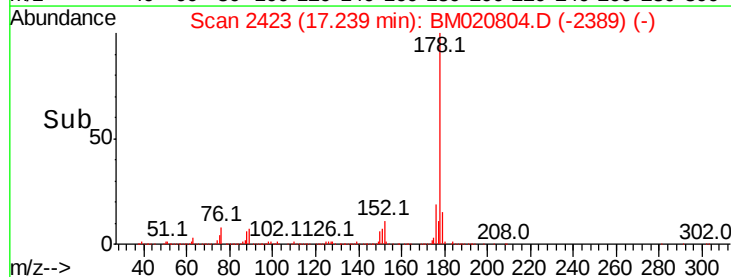
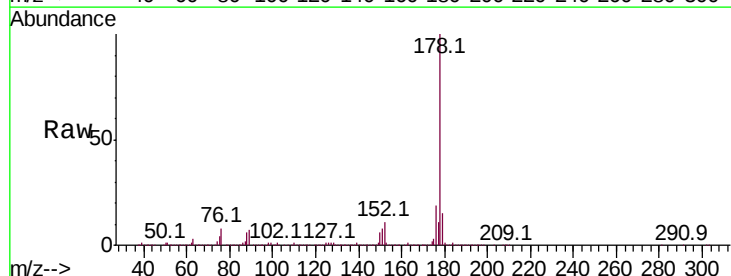
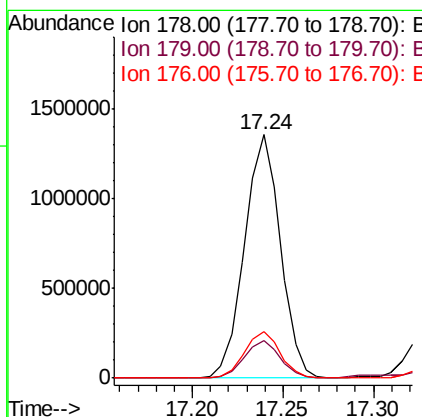
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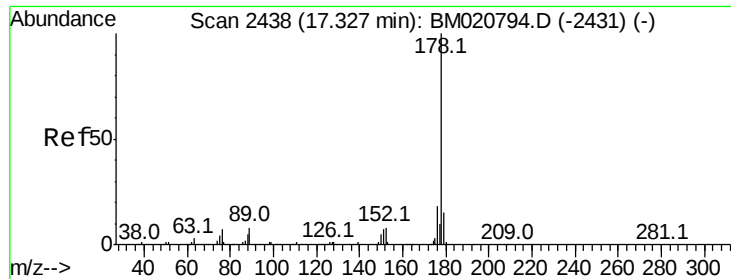
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#69
Phenanthrene
 Concen: 27.804 ng/ul
 RT: 17.24 min Scan# 2423
 Delta R.T. 0.00 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	19.0	14.8	22.2





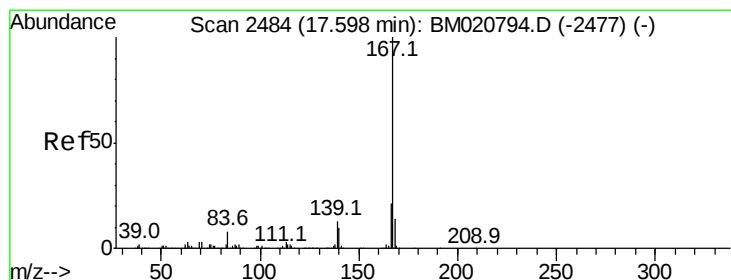
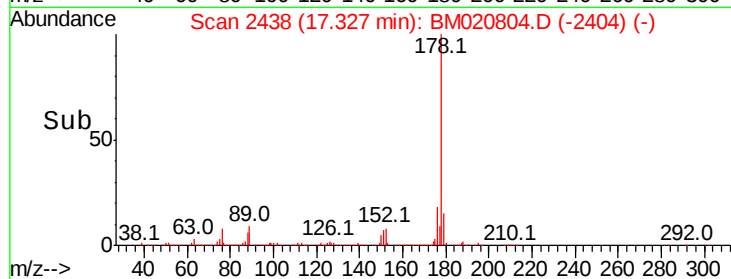
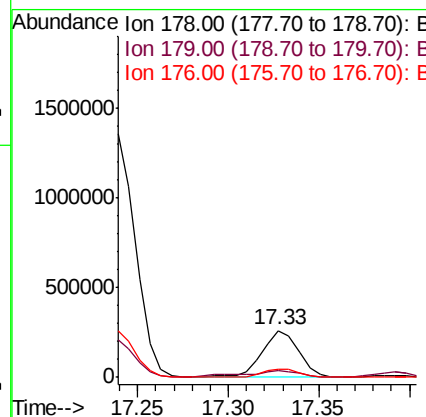
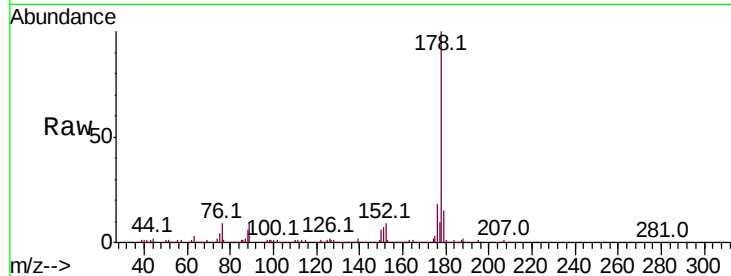
#71
 Anthracene
 Concen: 5.284 ng/ul
 RT: 17.33 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	18.4	14.9	22.3

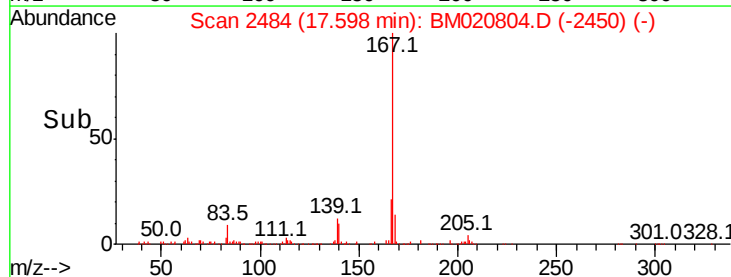
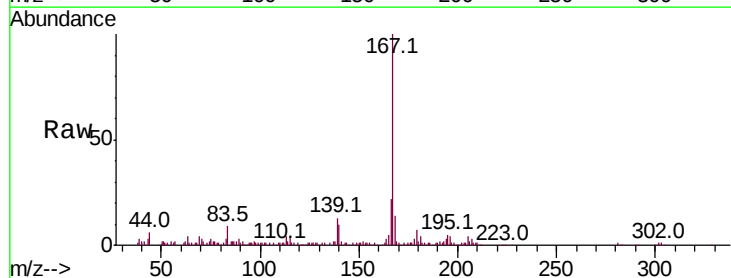
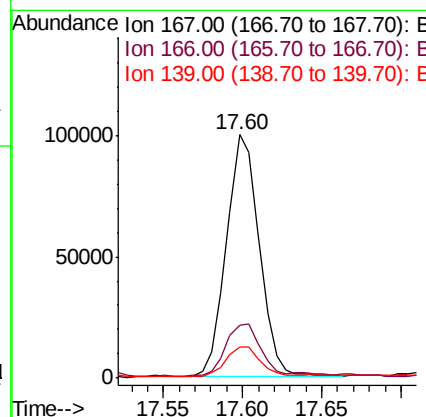
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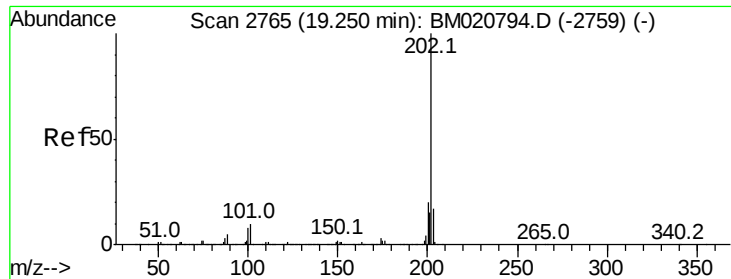
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#74
 Carbazole
 Concen: 2.400 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. 0.00 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	12.7	10.5	15.7





#76

Fluoranthene

Concen: 51.939 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020804.D

Acq: 07 Jun 2019 15:13

Instrument :

BNA_M

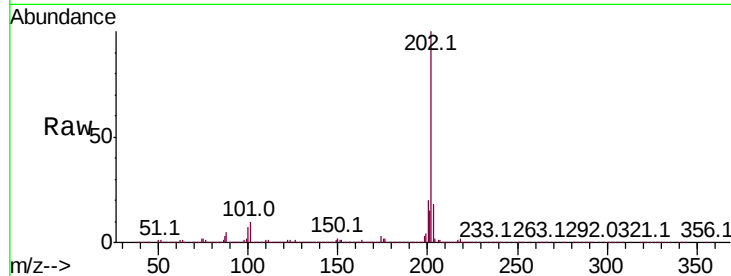
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C0AC3

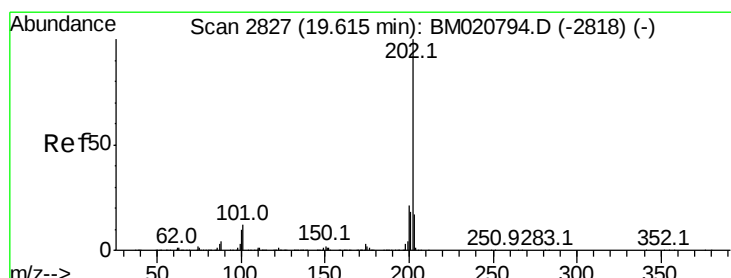
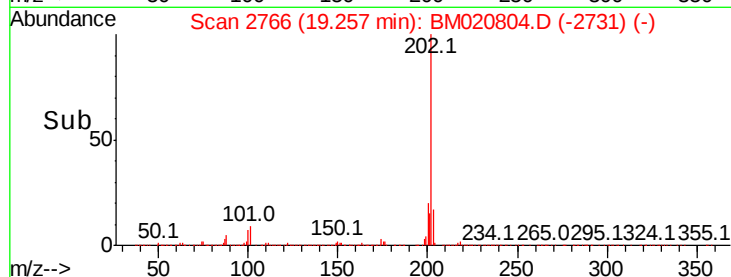
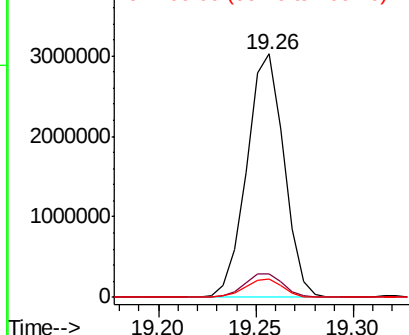
Tot Ion:	202	Resp:	3985454
Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.9	11.9
100	7.5	6.2	9.4

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



#79

Pyrene

Concen: 50.407 ng/ul

RT: 19.62 min Scan# 2828

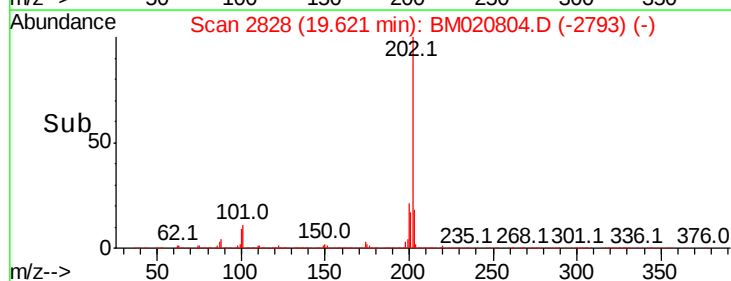
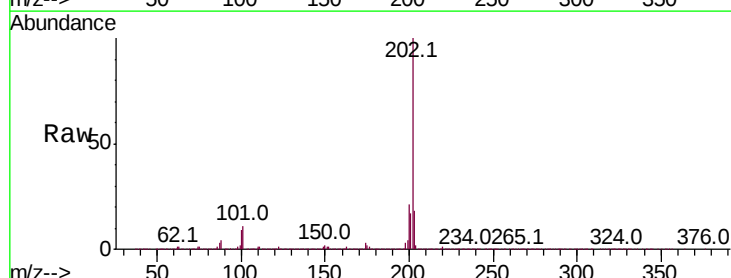
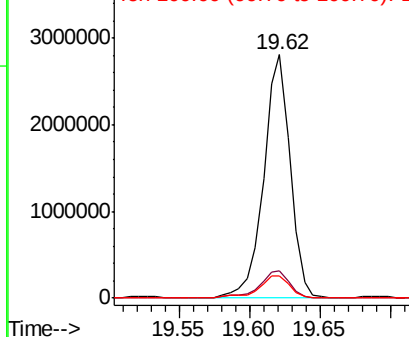
Delta R.T. 0.01 min

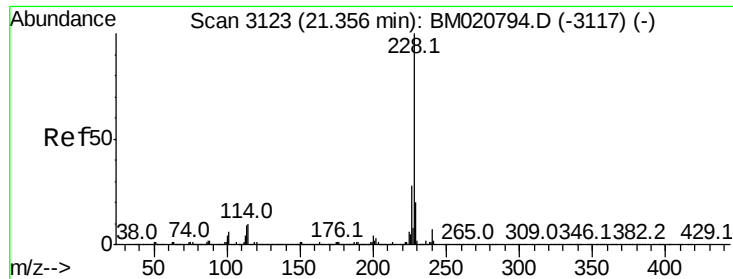
Lab File: BM020804.D

Acq: 07 Jun 2019 15:13

Tgt Ion:	202	Resp:	3708020
Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.8	14.6
100	9.2	8.0	12.0

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





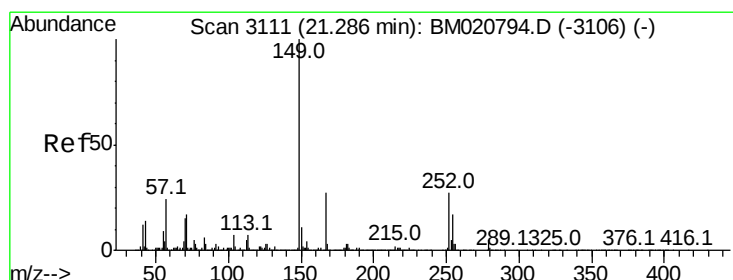
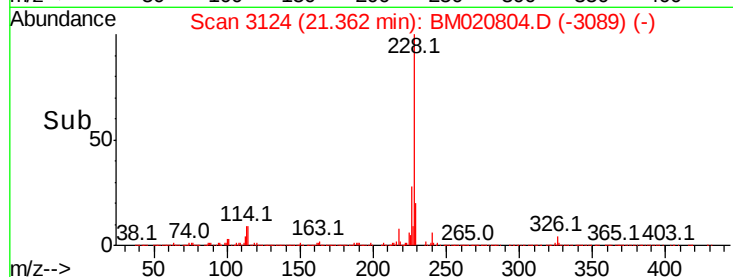
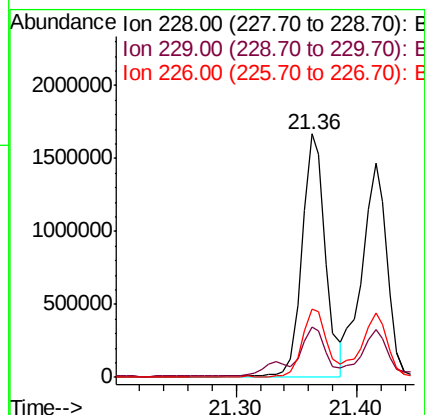
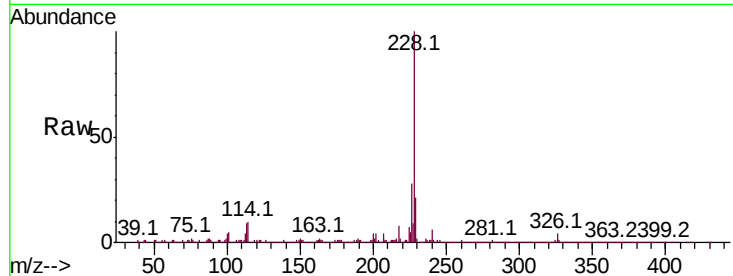
#82
Benzo(a)anthracene
Concen: 30.373 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Instrument :
BNA_M
ClientSampleId :
C0AC3

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.6	23.4
226	28.3	21.4	32.2

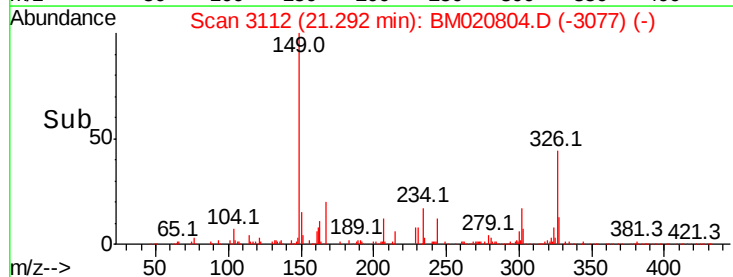
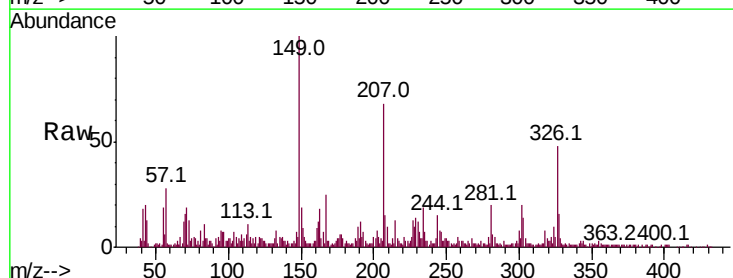
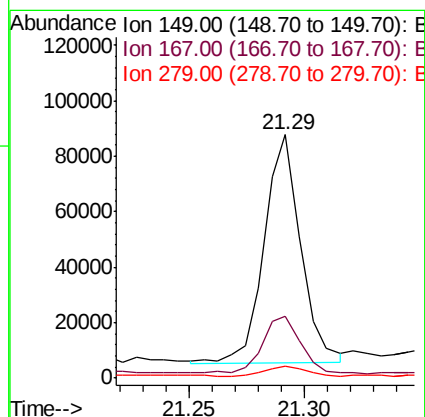
Manual Integrations
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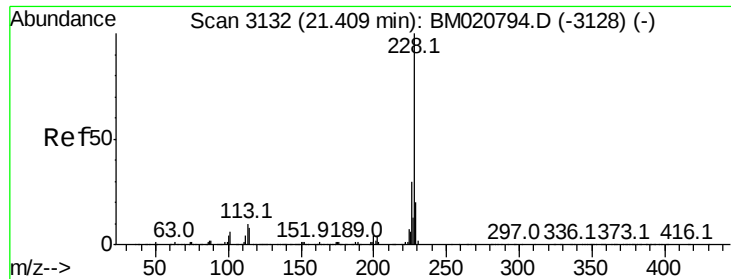
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#83
Bis(2-ethylhexyl)phthalate
Concen: 1.780 ng/ul
RT: 21.29 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	21.9	32.9
279	5.0	4.1	6.1





#84

Chrysene

Concen: 30.528 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM020804.D

Acq: 07 Jun 2019 15:13

Instrument :

BNA_M

ClientSampleId :

C0AC3

Tot Ion:228 Resp: 2105872

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

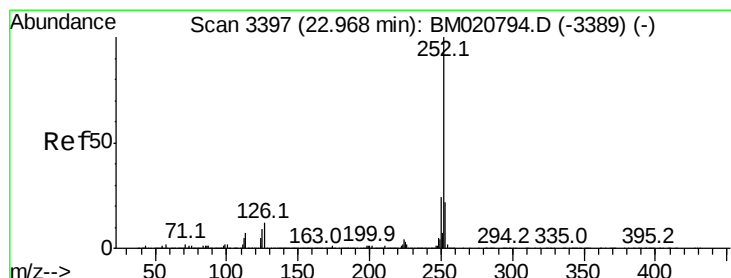
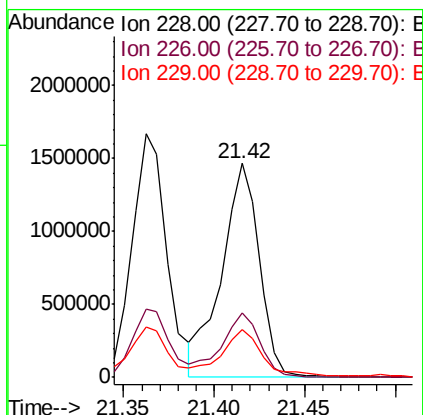
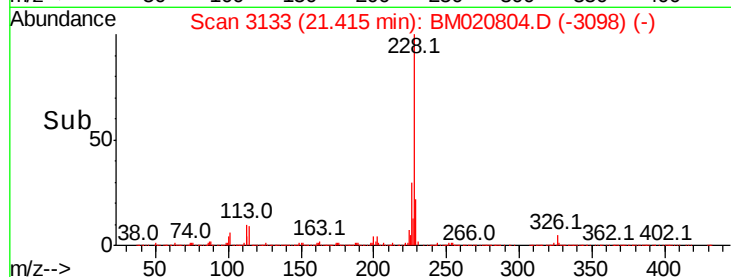
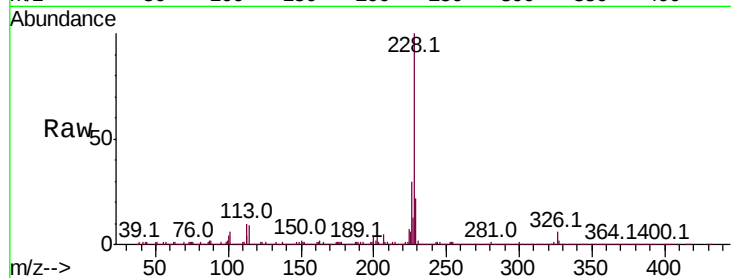
229 22.4 16.2 24.2

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#87

Benzo(b)fluoranthene

Concen: 35.531 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020804.D

Acq: 07 Jun 2019 15:13

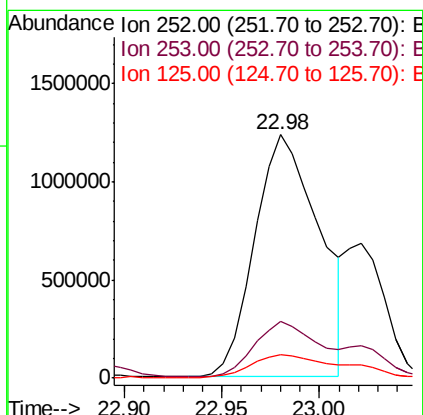
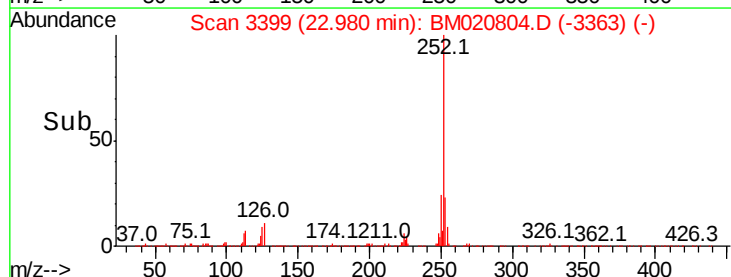
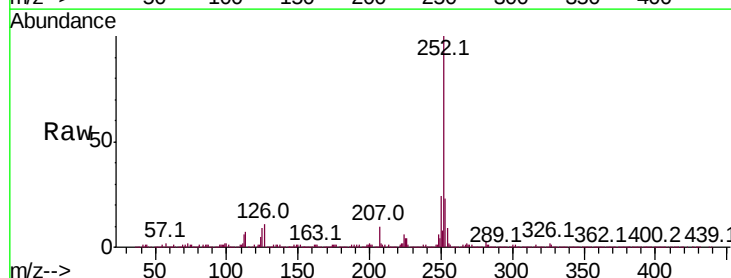
Tgt Ion:252 Resp: 2836808

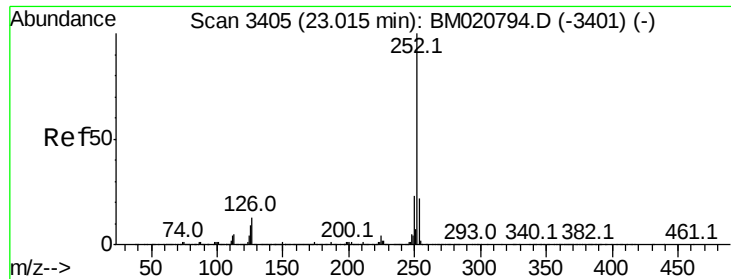
Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 9.4 7.3 10.9





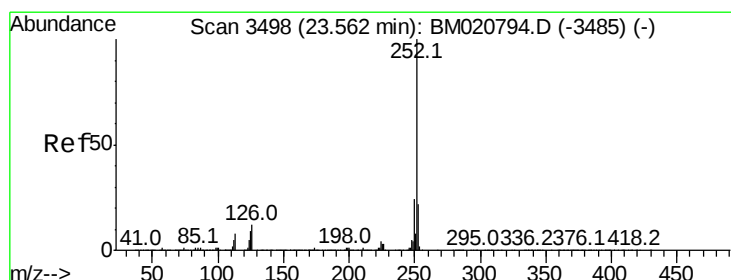
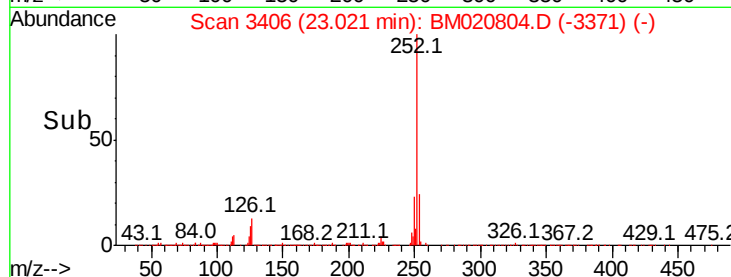
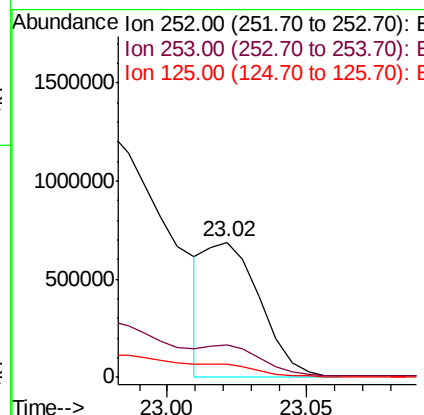
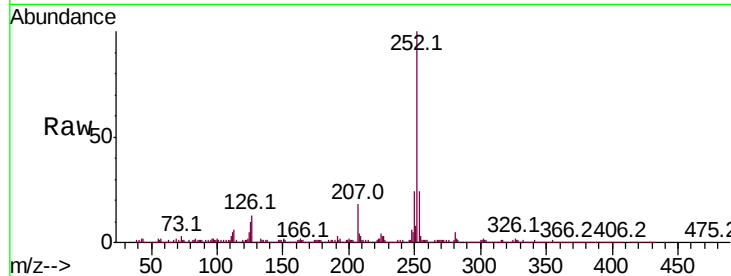
#88
Benzo(k)fluoranthene
Concen: 12.426 ng/ul m
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Instrument :
BNA_M
ClientSampleId :
C0AC3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	9.6	7.3	10.9

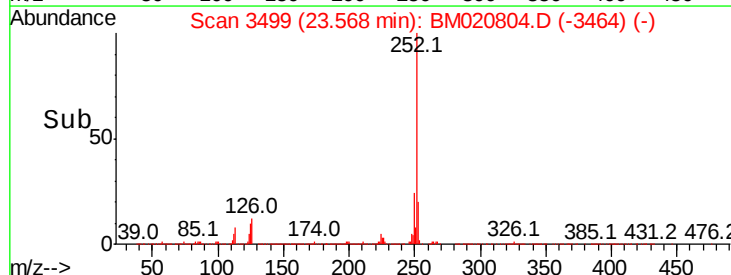
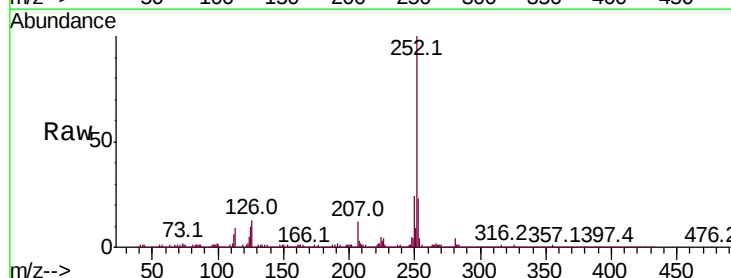
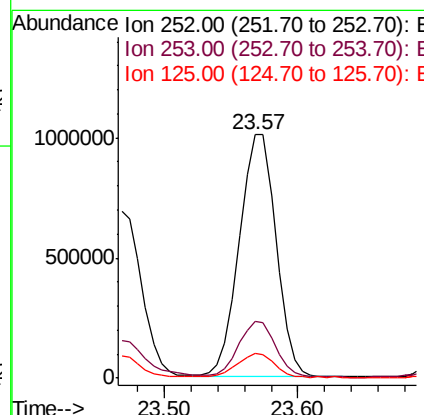
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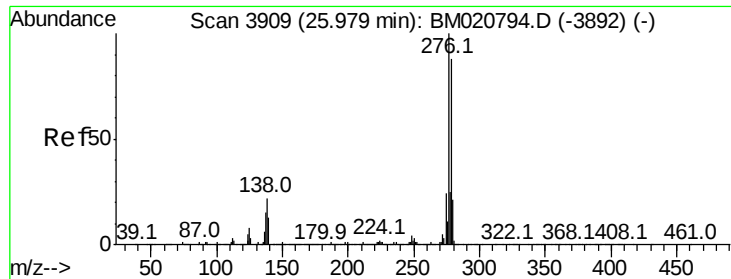
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#90
Benzo(a)pyrene
Concen: 25.464 ng/ul
RT: 23.57 min Scan# 3499
Delta R.T. 0.01 min
Lab File: BM020804.D
Acq: 07 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	10.2	8.2	12.4





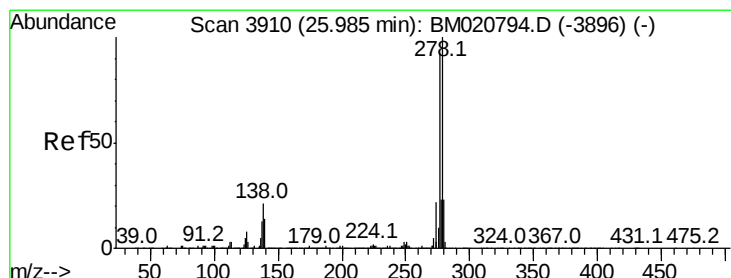
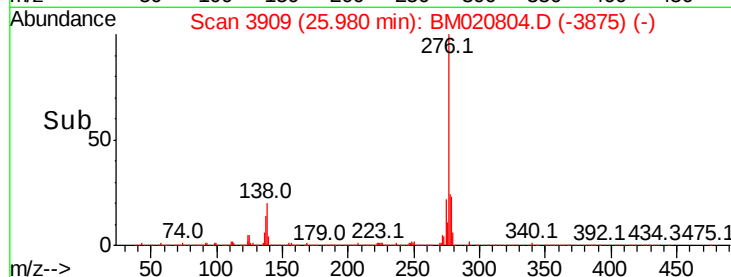
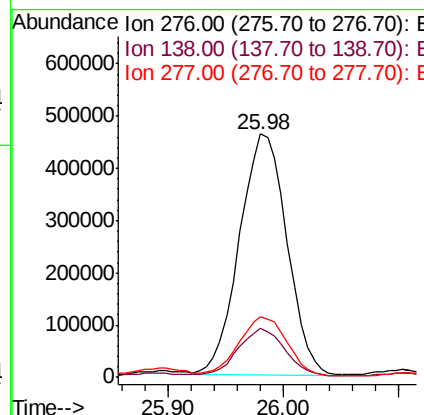
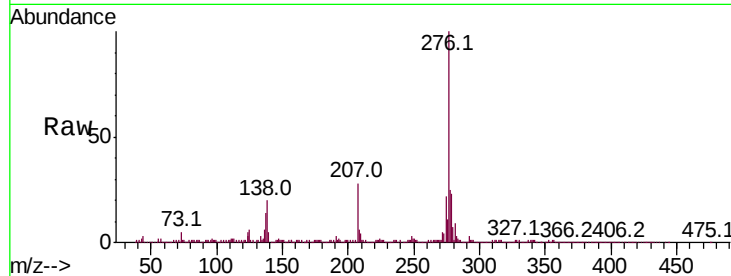
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 14.709 ng/ul
 RT: 25.98 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.8	26.8
277	24.7	20.0	30.0

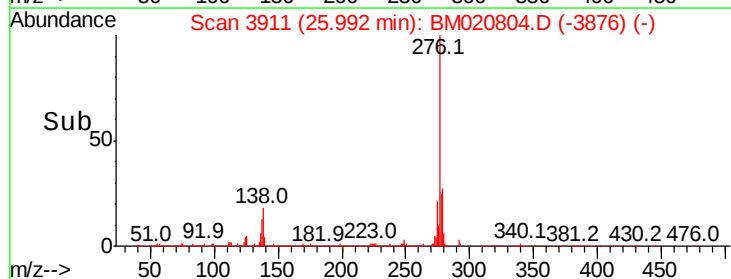
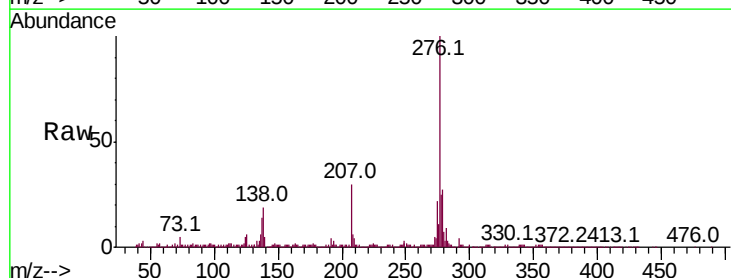
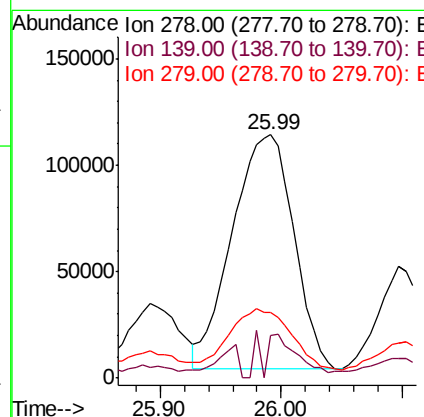
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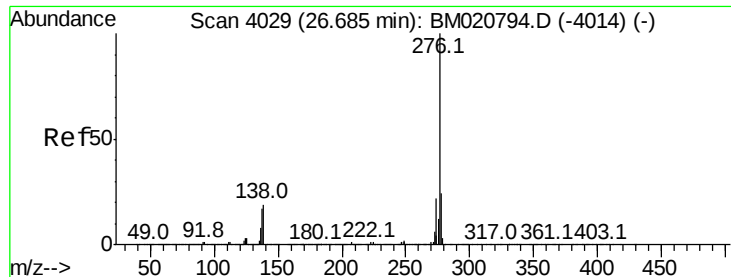
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#92
 Dibenzo(a,h)anthracene
 Concen: 5.119 ng/ul
 RT: 25.99 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	11.6	17.4#
279	27.0	18.6	28.0





#93
 Benzo(a,h,i)perylene
 Concen: 13.452 ng/ul
 RT: 26.70 min Scan# 4031
 Delta R.T. 0.01 min
 Lab File: BM020804.D
 Acq: 07 Jun 2019 15:13

Instrument :
 BNA_M
 ClientSampleId :
 C0AC3

Tot Ion:	276	Resp:	979070
Ion Ratio	Lower	Upper	
276	100		
138	19.7	16.6	25.0
277	24.8	19.6	29.4

Manual Integrations
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