

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030420\
 Data File : BN010092.D
 Acq On : 04 Mar 2020 23:26
 Operator : CG/JU
 Sample : L1641-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB6Z6

Manual Integrations
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Quant Time: Mar 05 04:20:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 05 03:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	81440	20.00	ng/ul	0.00
18) Naphthalene-d8	10.10	136	349756	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	227266	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.76	188	476526	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	420624	20.00	ng/ul	0.00
86) Perylene-d12	23.08	264	447516	20.00	ng/ul	0.00

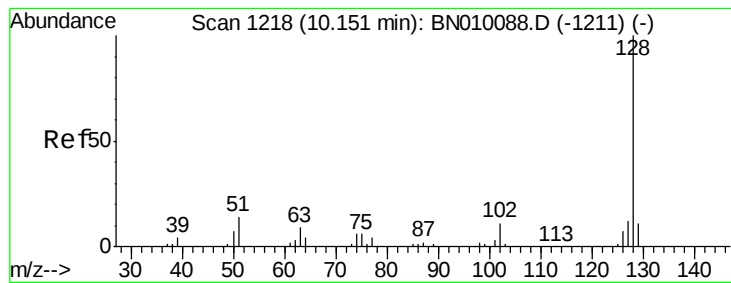
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	13400m	6.77	ng/uL	0.00
5) Phenol-d5	6.56	99	259240	37.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.72	67	185231	38.75	ng/ul	0.00
9) 2-Chlorophenol-d4	6.90	132	203734	39.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.08	113	132514	24.05	ng/ul	0.00
19) Nitrobenzene-d5	8.50	128	104365	40.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.21	143	119433	42.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.75	165	194282	36.10	ng/ul	0.00
29) 4-Chloroaniline-d4	10.28	131	98556m	16.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.43	166	659851	38.87	ng/ul	0.00
47) Acenaphthylene-d8	13.69	160	797671	39.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.26	143	91459	29.50	ng/ul	0.00
58) Fluorene-d10	15.01	176	597856	40.79	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.17	200	95953	32.41	ng/ul	0.00
71) Anthracene-d10	16.86	188	806040	36.90	ng/ul	0.00
79) Pyrene-d10	19.17	212	979604	44.56	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	928656	41.55	ng/ul	0.00

Target Compounds

				Ovalue	
28) Naphthalene	10.15	128	27488	1.457 ng/ul#	96
34) 2-Methylnaphthalene	11.79	142	15167	1.158 ng/ul	99
45) Dimethylphthalate	13.48	163	41401	2.337 ng/ul	97
50) Acenaphthene	14.06	153	30929	2.085 ng/ul	92
54) Dibenzofuran	14.42	168	31893	1.532 ng/ul	95
59) Fluorene	15.06	166	30383	1.739 ng/ul	99
70) Phenanthrene	16.80	178	373602	13.738 ng/ul	98
72) Anthracene	16.90	178	67692	2.435 ng/ul	96
77) Fluoranthene	18.84	202	603988	18.960 ng/ul	96
80) Pyrene	19.20	202	529933	17.475 ng/ul	96
83) Benzo(a)anthracene	20.97	228	280644	9.709 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	20.93	149	191023	10.037 ng/ul	99
85) Chrysene	21.02	228	255510	8.979 ng/ul	98
88) Benzo(b)fluoranthene	22.47	252	354923	12.232 ng/ul	97
89) Benzo(k)fluoranthene	22.51	252	115247m	4.195 ng/ul	
91) Benzo(a)pyrene	22.99	252	228063	8.739 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.12	276	162397	5.241 ng/ul#	90
93) Dibenzo(a,h)anthracene	25.11	278	41682	1.573 ng/ul#	84
94) Benzo(g,h,i)perylene	25.73	276	137361	5.287 ng/ul	97

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



#28

Naphthalene

Concen: 1.457 ng/ul

RT: 10.15 min Scan# 1218

Delta R.T. 0.00 min

Lab File: BN010092.D

Acq: 04 Mar 2020 23:26

Instrument :

BNA_N

ClientSampleId :

CB6Z6

Tot Ion:128 Resp: 27488

Ion Ratio Lower Upper

128 100

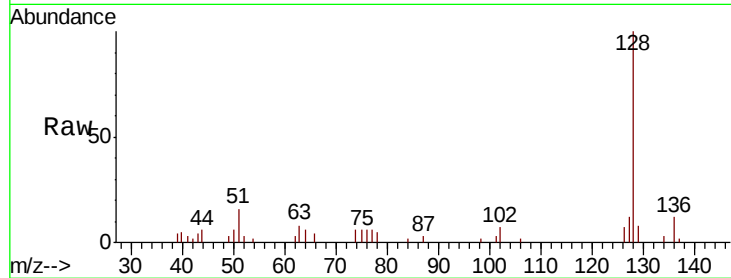
129 7.9 8.6 13.0#

127 12.3 10.3 15.5

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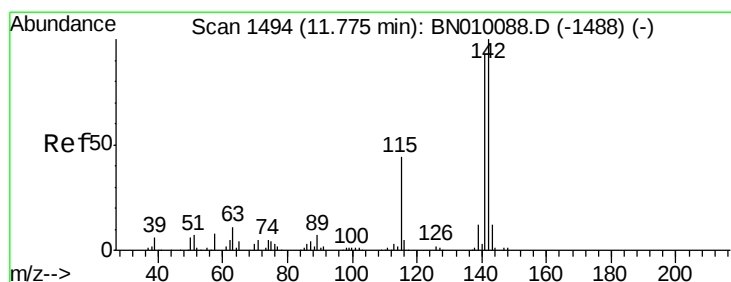
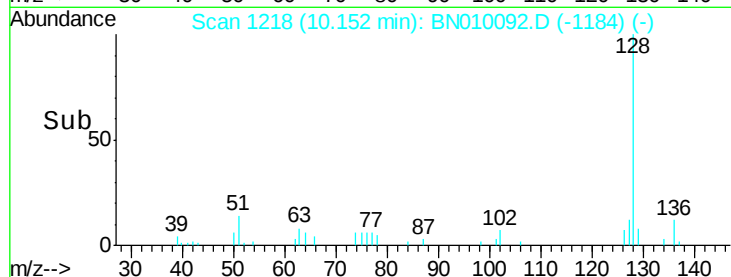
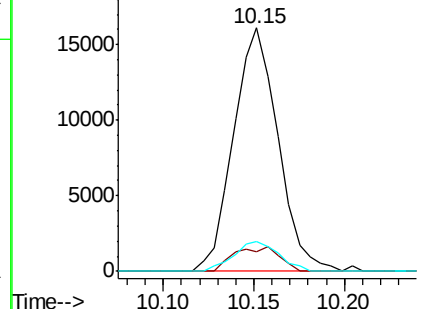
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.158 ng/ul

RT: 11.79 min Scan# 1496

Delta R.T. 0.01 min

Lab File: BN010092.D

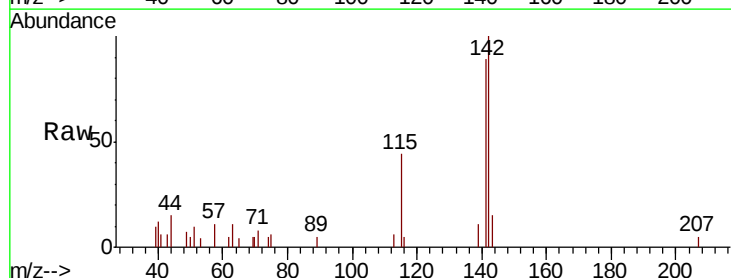
Acq: 04 Mar 2020 23:26

Tgt Ion:142 Resp: 15167

Ion Ratio Lower Upper

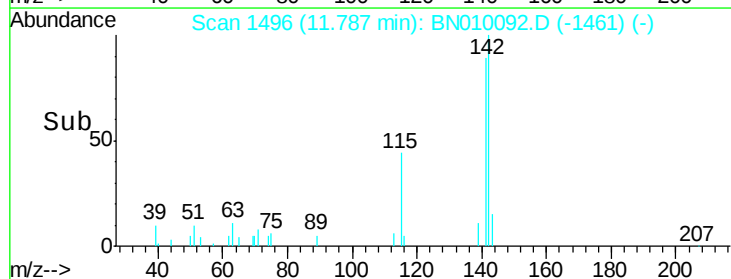
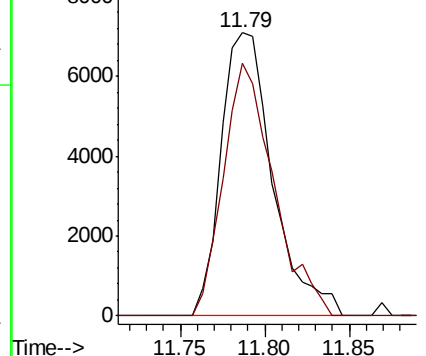
142 100

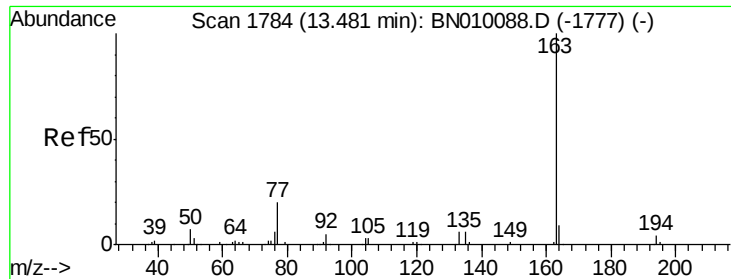
141 89.2 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





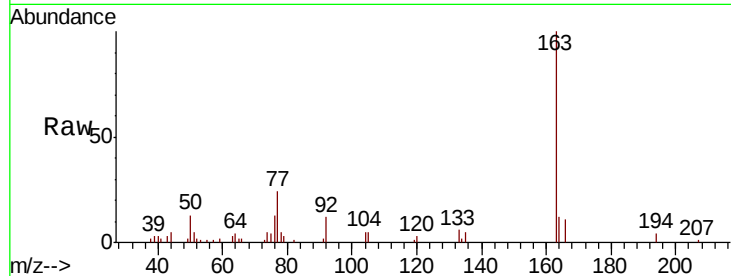
#45
Dimethylphthalate
Concen: 2.337 ng/ul
RT: 13.48 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Instrument :
BNA_N
ClientSampled :
CB6Z6

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	11.6	8.0	12.0

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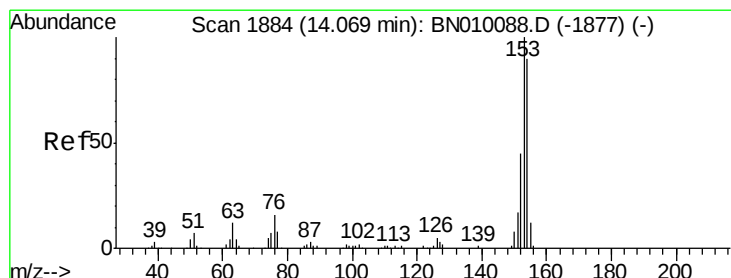
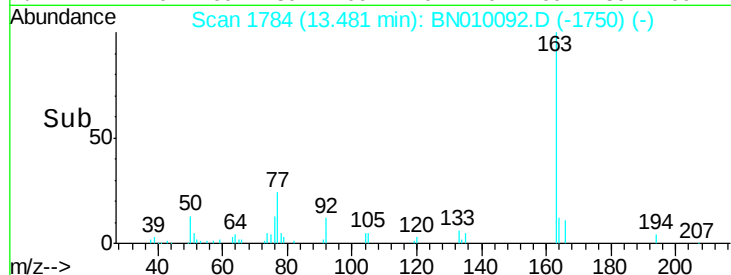
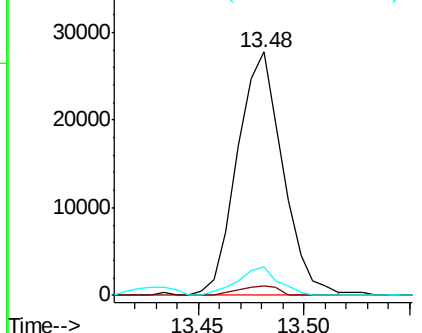


Abundance

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



#50
Acenaphthene
Concen: 2.085 ng/ul
RT: 14.06 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

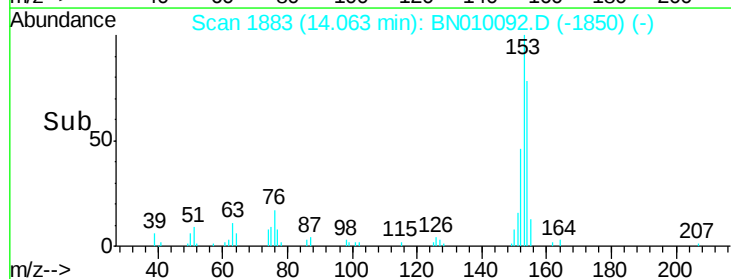
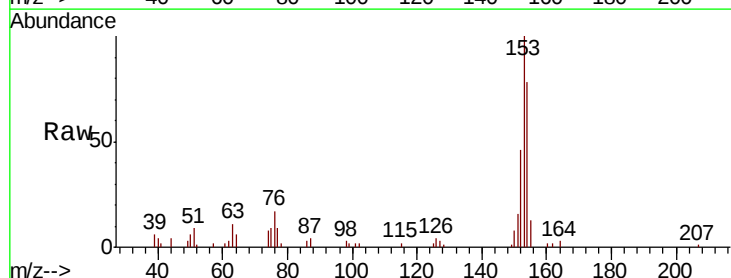
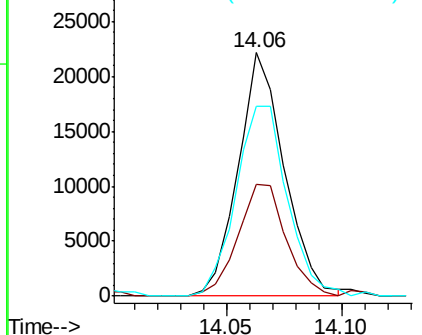
Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.0	36.6	54.8
154	77.7	70.6	106.0

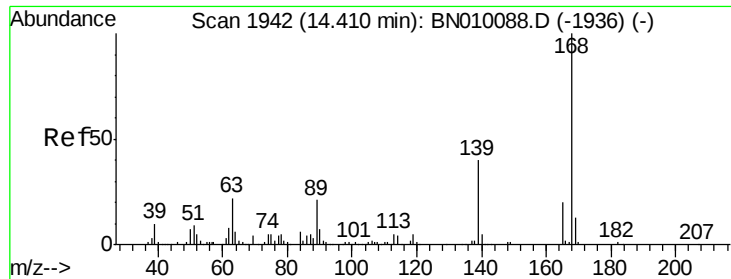
Abundance

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





#54

Dibenzofuran

Concen: 1.532 ng/ul

RT: 14.42 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BN010092.D

Acq: 04 Mar 2020 23:26

Instrument :

BNA_N

ClientSampleId :

CB6Z6

Tot Ion:168 Resp: 31893

Ion Ratio Lower Upper

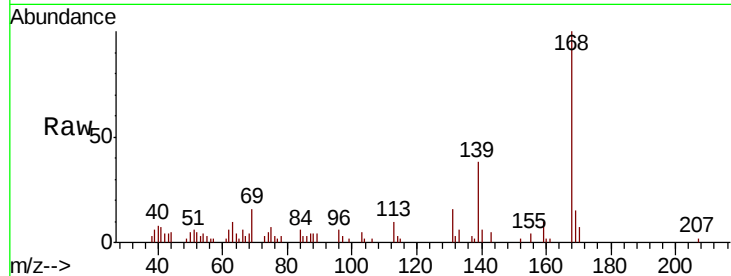
168 100

139 37.8 32.7 49.1

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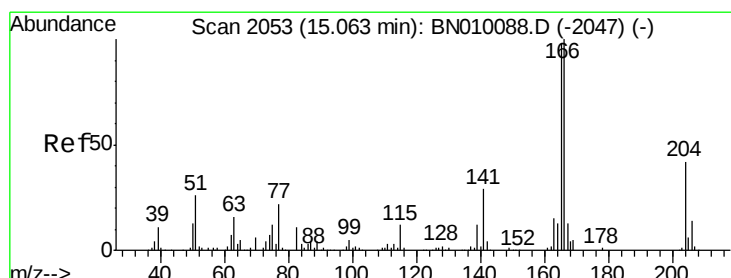
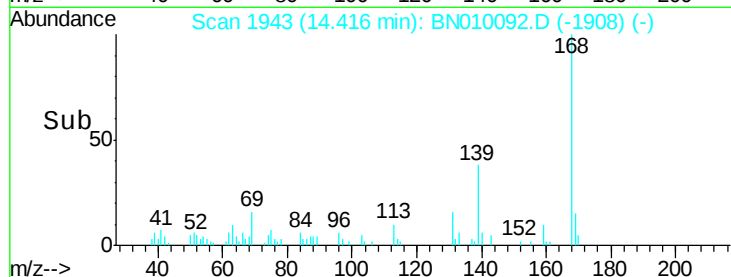
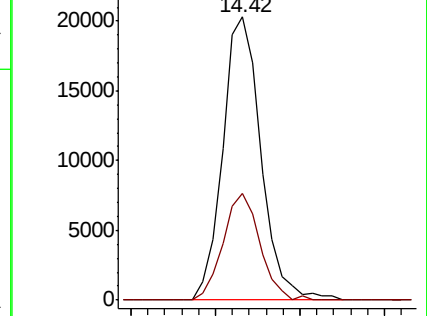
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 1.739 ng/ul

RT: 15.06 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BN010092.D

Acq: 04 Mar 2020 23:26

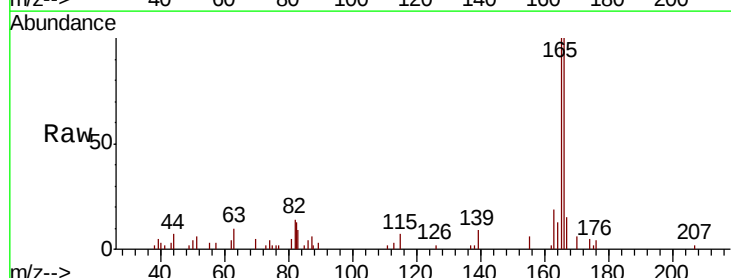
Tgt Ion:166 Resp: 30383

Ion Ratio Lower Upper

166 100

165 99.6 79.8 119.8

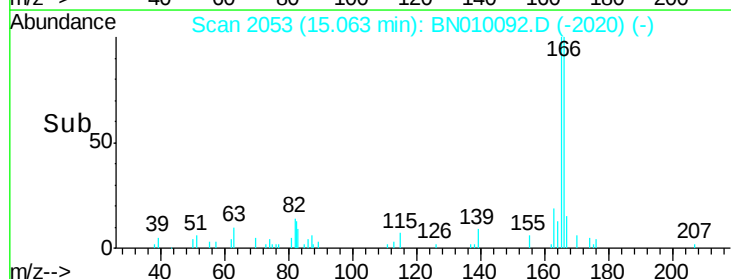
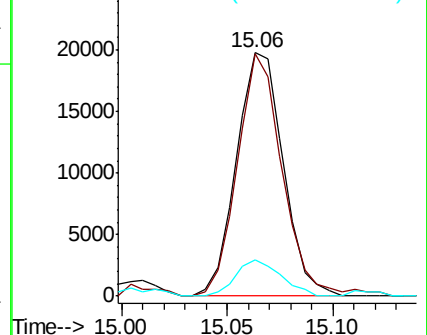
167 14.9 10.7 16.1

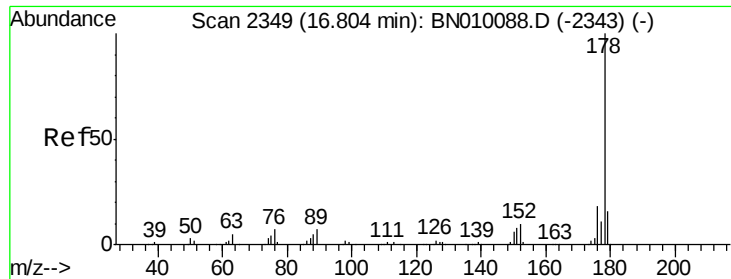


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





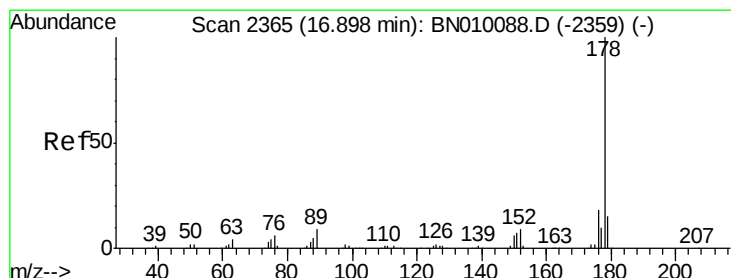
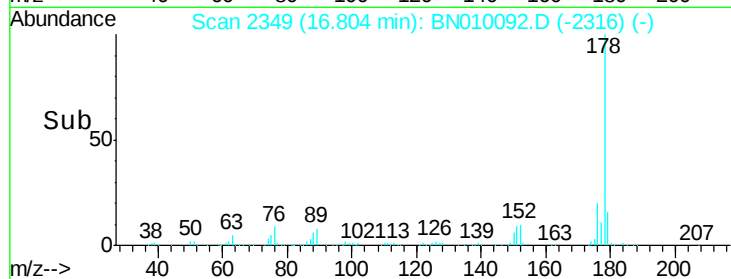
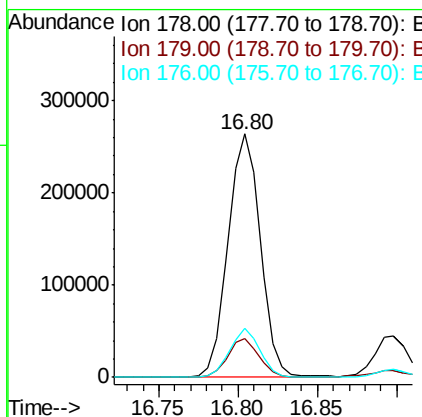
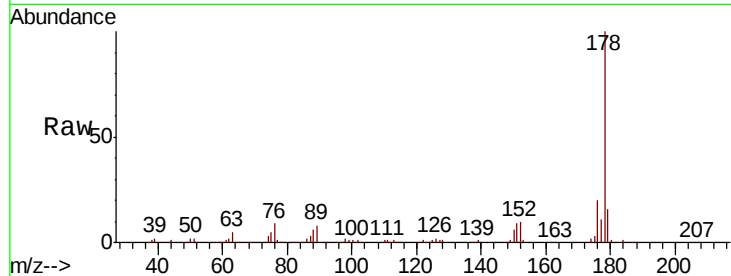
#70
Phenanthrene
Concen: 13.738 ng/ul
RT: 16.80 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Instrument :
BNA_N
ClientSampleId :
CB6Z6

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7
176	19.9	14.6	22.0

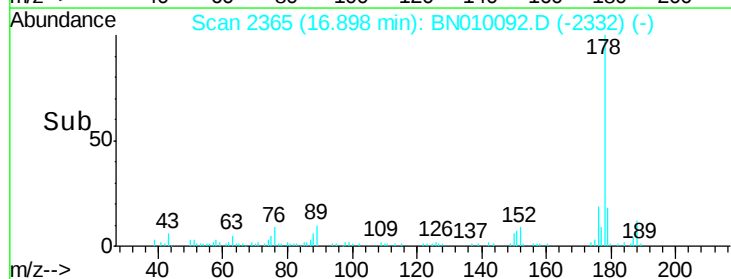
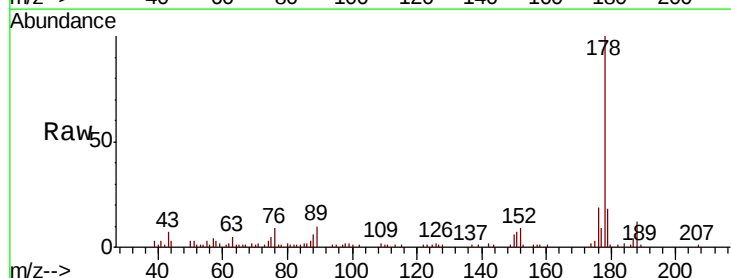
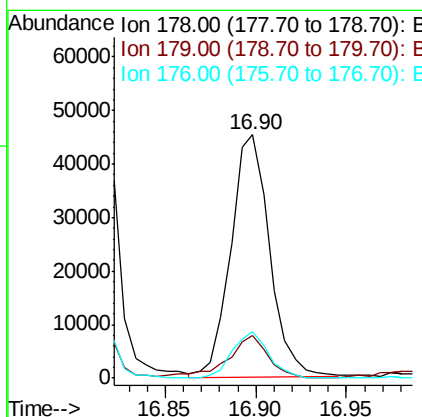
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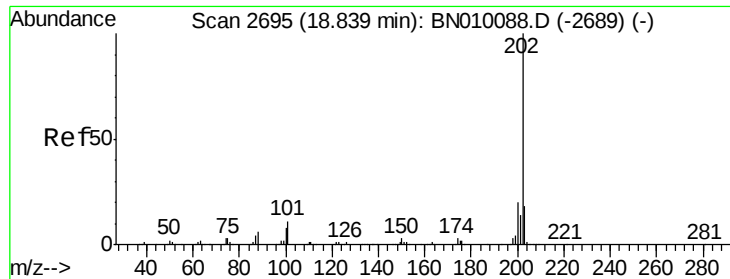
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#72
Anthracene
Concen: 2.435 ng/ul
RT: 16.90 min Scan# 2365
Delta R.T. -0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.8	12.2	18.2
176	19.1	14.6	21.8





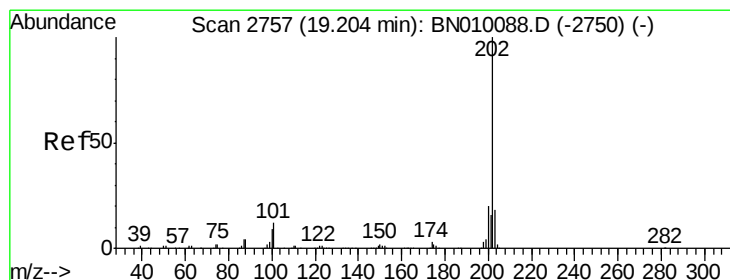
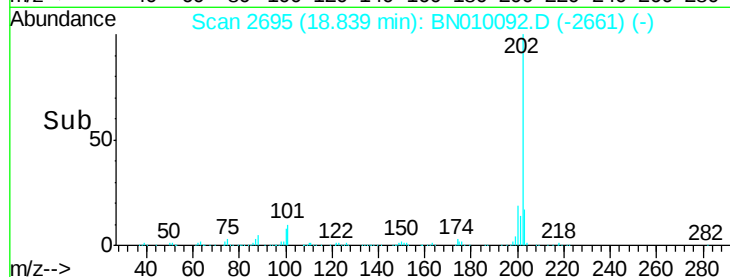
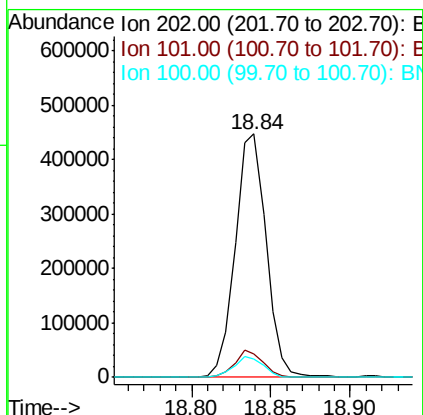
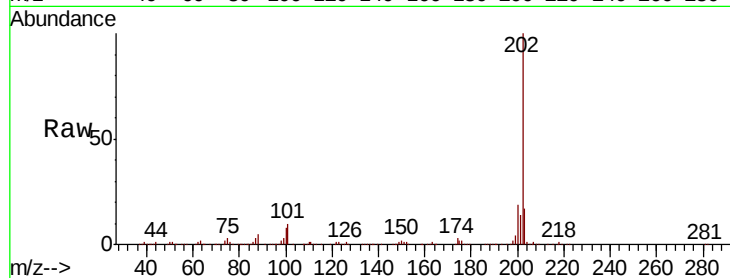
#77
Fluoranthene
 Concen: 18.960 ng/ul
 RT: 18.84 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: BN010092.D
 Acq: 04 Mar 2020 23:26

Instrument :
 BNA_N
 ClientSampleId :
 CB6Z6

Tot Ion:	202	Resp:	603988
Ion Ratio	Lower	Upper	
202	100		
101	9.9	9.4	14.2
100	7.6	7.2	10.8

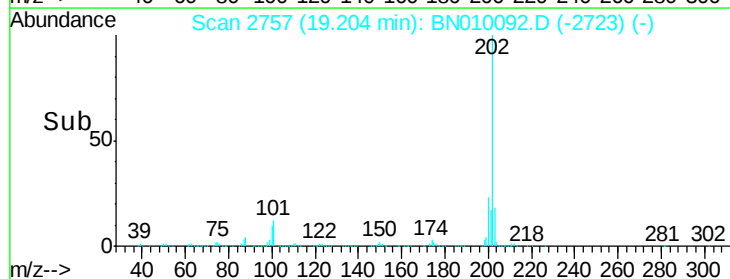
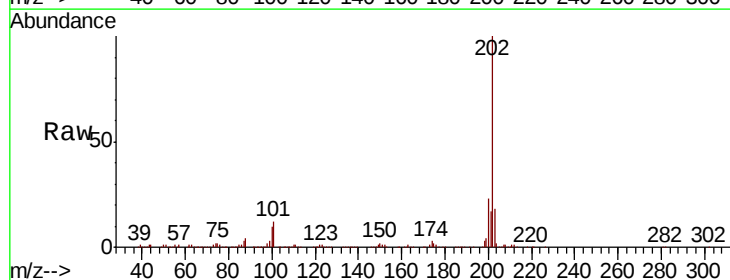
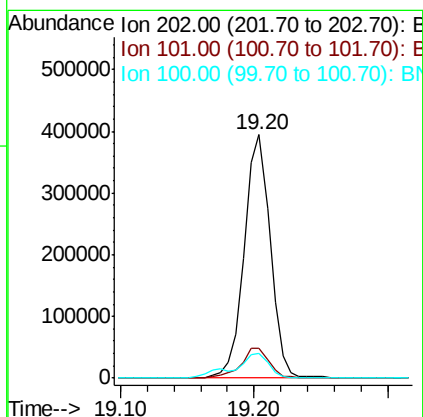
Manual Integrations
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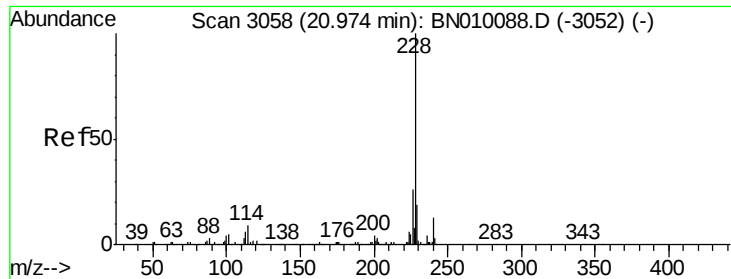
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#80
Pyrene
 Concen: 17.475 ng/ul
 RT: 19.20 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: BN010092.D
 Acq: 04 Mar 2020 23:26

Tgt Ion:	202	Resp:	529933
Ion Ratio	Lower	Upper	
202	100		
101	12.2	11.3	16.9
100	10.0	9.0	13.6





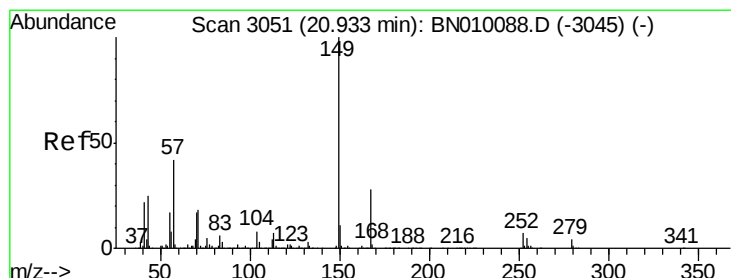
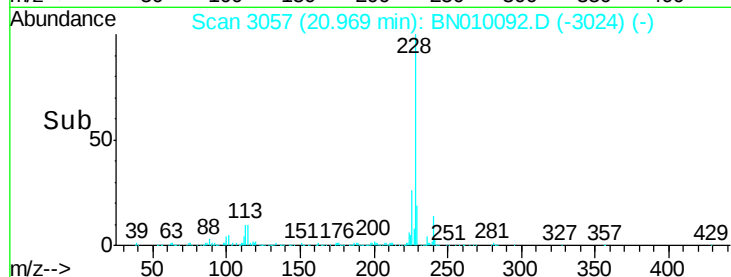
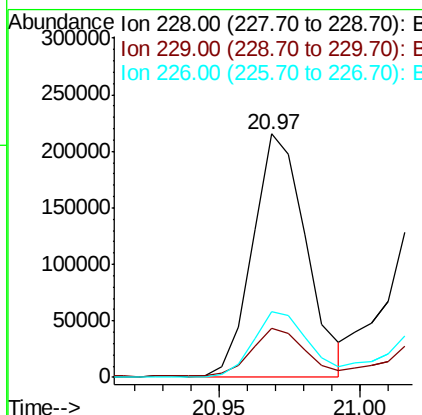
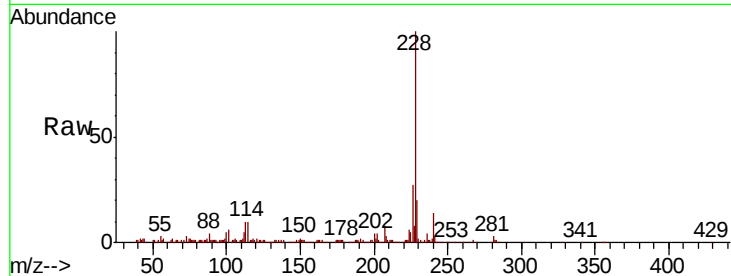
#83
Benzo(a)anthracene
Concen: 9.709 ng/ul
RT: 20.97 min Scan# 3057
Delta R.T. -0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Instrument :
BNA_N
ClientSampled :
CB6Z6

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.0	22.4
226	26.9	21.4	32.2

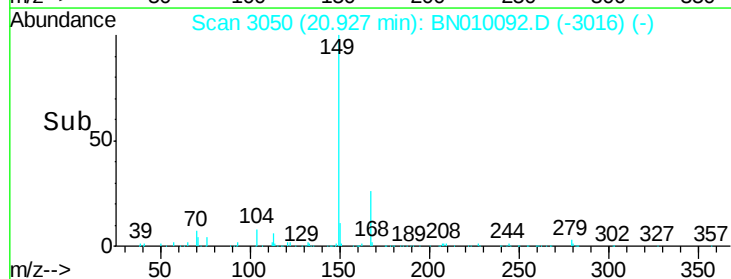
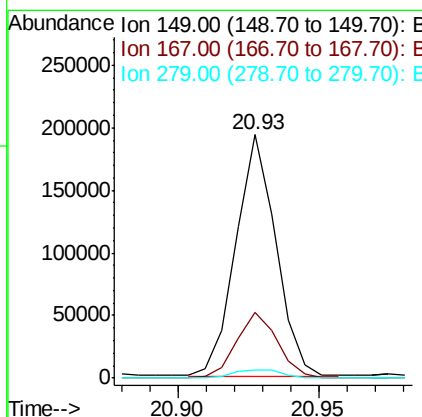
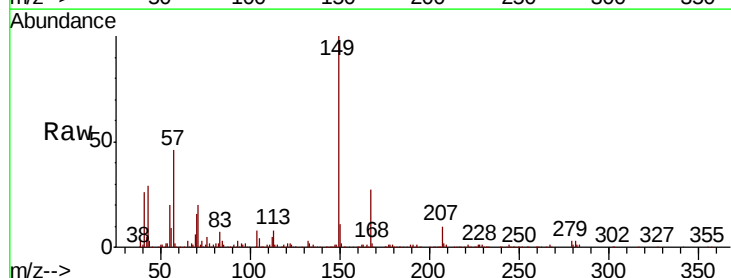
Manual Integrations
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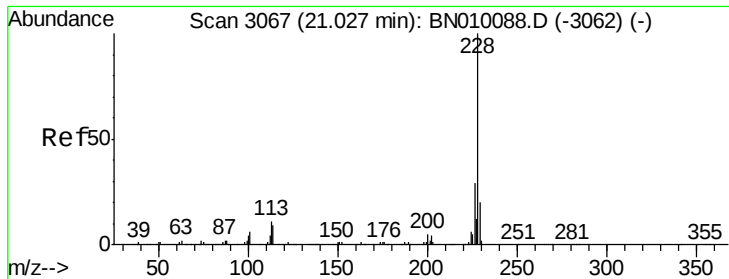
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#84
Bis(2-ethylhexyl)phthalate
Concen: 10.037 ng/ul
RT: 20.93 min Scan# 3050
Delta R.T. 0.00 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.0	31.6
279	3.4	3.0	4.6





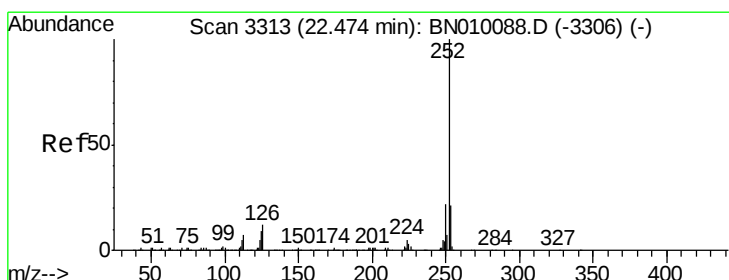
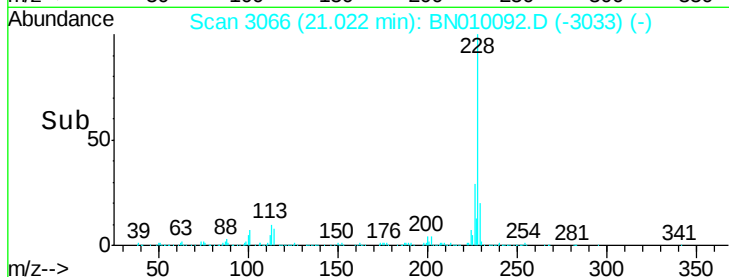
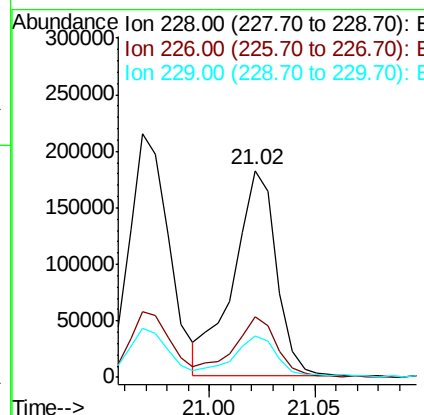
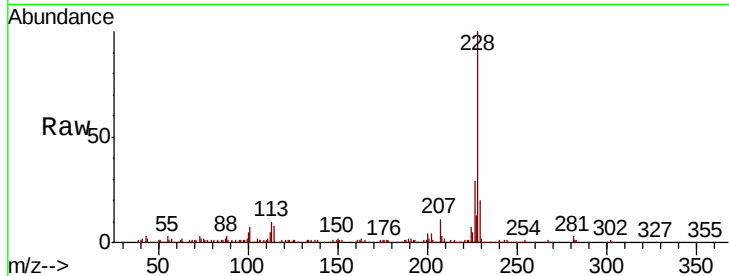
#85
Chrysene
Concen: 8.979 ng/ul
RT: 21.02 min Scan# 3066
Delta R.T. -0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Instrument :
BNA_N
ClientSampled :
CB6Z6

Tot Ion:	228	Resp:	255510
Ion Ratio		Lower	Upper
228	100		
226	29.1	23.4	35.2
229	20.3	15.0	22.4

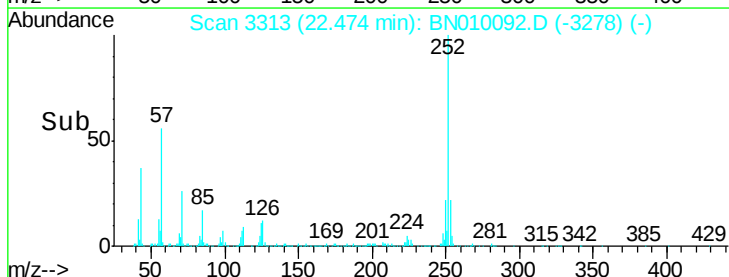
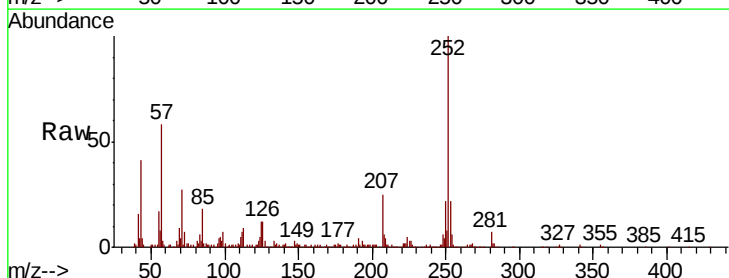
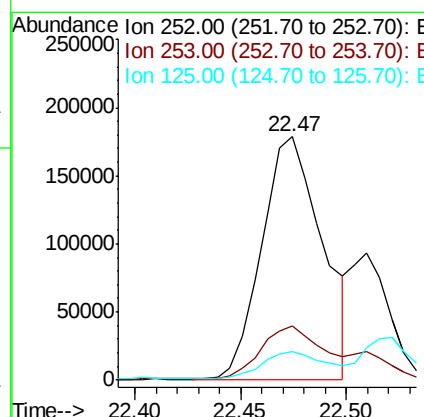
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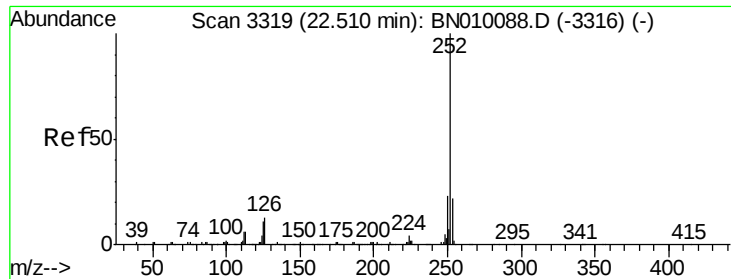
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#88
Benzo(b)fluoranthene
Concen: 12.232 ng/ul
RT: 22.47 min Scan# 3313
Delta R.T. 0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Tgt Ion:	252	Resp:	354923
Ion Ratio		Lower	Upper
252	100		
253	22.1	17.0	25.4
125	11.9	8.0	12.0





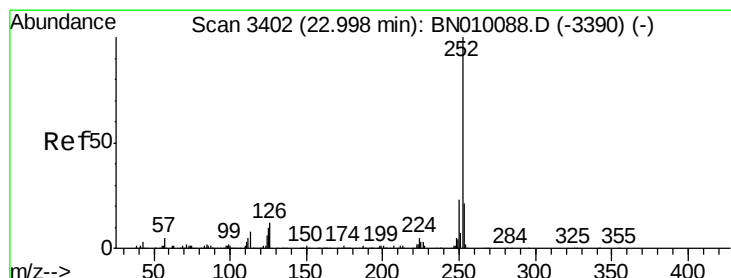
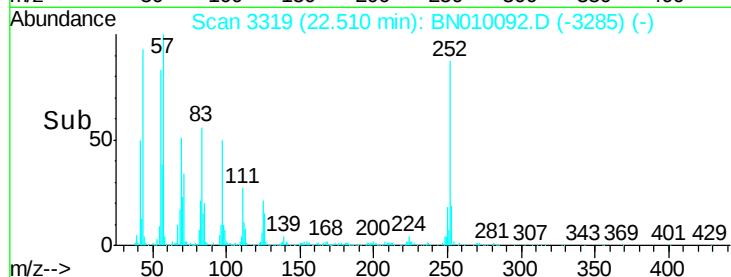
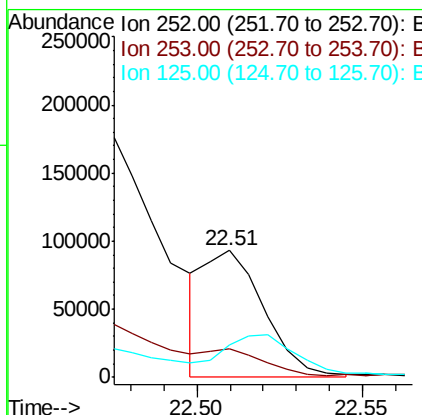
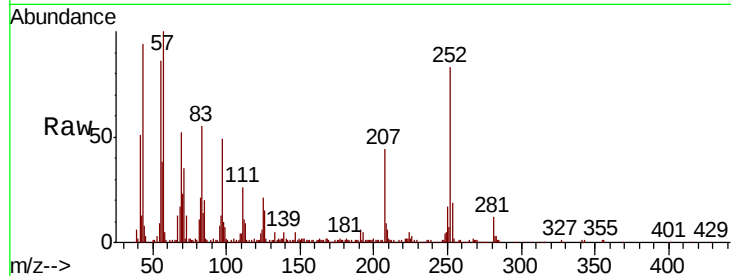
#89
Benzo(k)fluoranthene
Concen: 4.195 ng/ul m
RT: 22.51 min Scan# 3319
Delta R.T. 0.00 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Instrument :
BNA_N
ClientSampled :
CB6Z6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	25.0	8.2	12.2

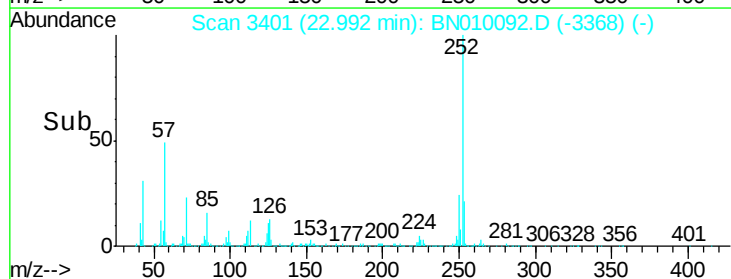
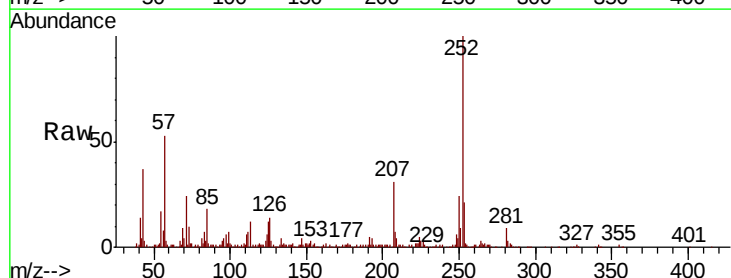
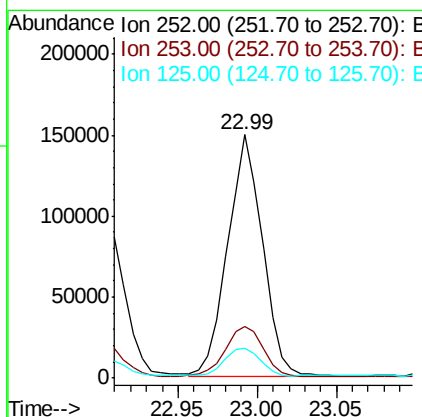
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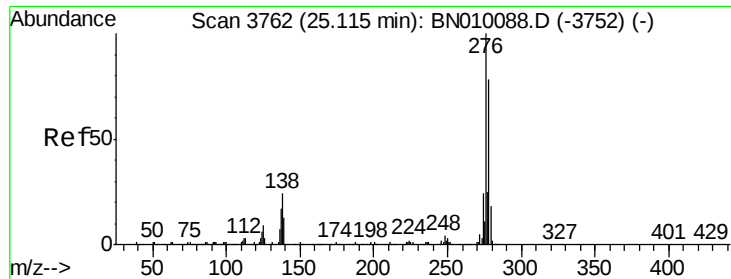
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#91
Benzo(a)pyrene
Concen: 8.739 ng/ul
RT: 22.99 min Scan# 3401
Delta R.T. -0.01 min
Lab File: BN010092.D
Acq: 04 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	12.3	9.0	13.6





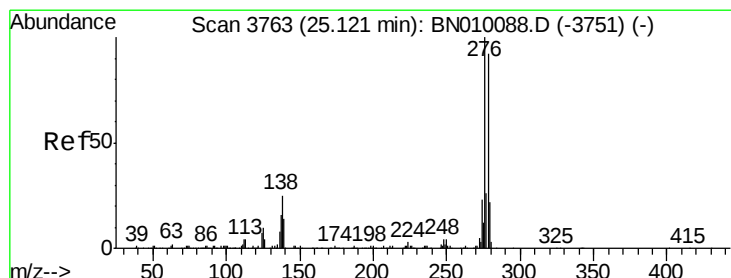
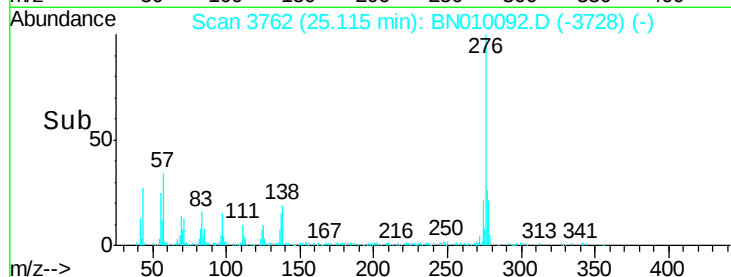
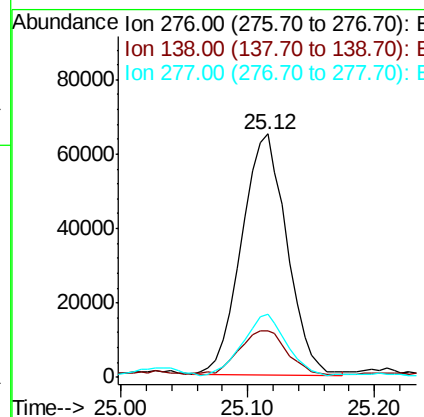
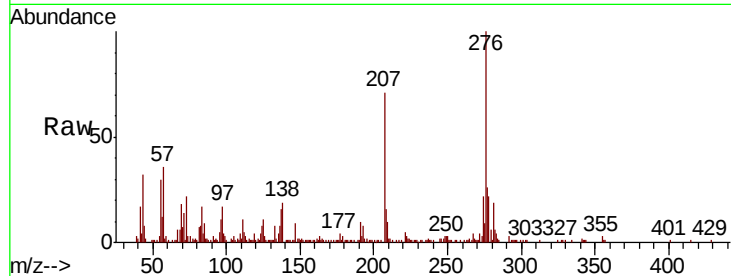
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 5.241 ng/ul
 RT: 25.12 min Scan# 3762
 Delta R.T. 0.00 min
 Lab File: BN010092.D
 Acq: 04 Mar 2020 23:26

Instrument :
 BNA_N
 ClientSampleId :
 CB6Z6

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	20.9	31.3#
277	25.9	18.2	27.4

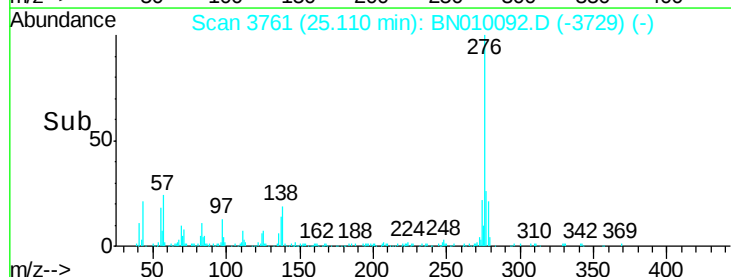
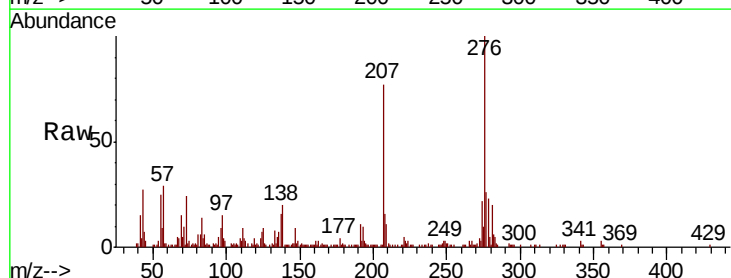
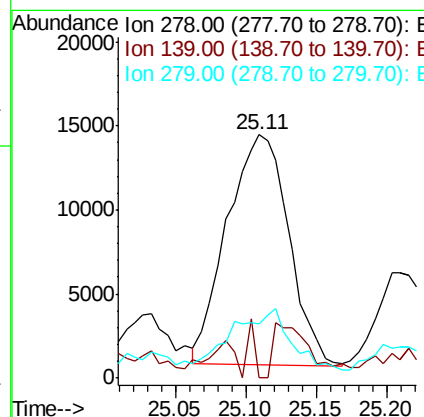
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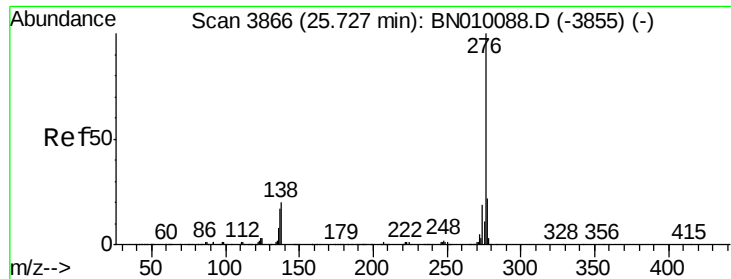
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.573 ng/ul
 RT: 25.11 min Scan# 3761
 Delta R.T. -0.01 min
 Lab File: BN010092.D
 Acq: 04 Mar 2020 23:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	22.2	17.5	26.3





#94
 Benzo(a,h,i)perylene
 Concen: 5.287 ng/ul
 RT: 25.73 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: BN010092.D
 Acq: 04 Mar 2020 23:26

Instrument :
 BNA_N
 ClientSampleId :
 CB6Z6

Tot Ion:	276	Resp:	137361
Ion Ratio	Lower	Upper	
276	100		
138	20.2	17.5	26.3
277	23.6	18.1	27.1

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