

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
 Data File : BN006018.D
 Acq On : 02 Jun 2019 06:41
 Operator : JU/SJ
 Sample : K2928-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C9

Manual Integrations
 APPROVED

Sohil
 6/4/2019 8:38:36 AM

Quant Time: Jun 03 04:26:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 01 01:49:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	431597	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.51	136	1867748	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.38	164	1031261	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	1845429	20.00	ng/ul	-0.02
77) Chrysene-d12	21.38	240	933208	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1518707	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	35707	3.64	ng/uL	0.00
5) Phenol-d5	6.89	99	828001	21.64	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	482487	22.11	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	675630	23.19	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	658527	21.33	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	345041	28.78	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.60	143	391969	35.11	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	668296	25.35	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.66	131	295770	8.56	ng/ul	-0.01
43) Dimethylphthalate-d6	13.79	166	2079019	27.35	ng/ul	-0.02
46) Acenaphthylene-d8	14.07	160	2449152	25.75	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.59	143	282324	20.41	ng/ul	-0.02
57) Fluorene-d10	15.38	176	1601991	25.13	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.52	200	118662	15.78	ng/ul	0.00
70) Anthracene-d10	17.24	188	2025065	25.78	ng/ul	-0.01
78) Pyrene-d10	19.56	212	1515398	32.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	1541063	22.74	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.92	94	56417	1.431	ng/ul	96
28) Naphthalene	10.57	128	298368	3.366	ng/ul	99
34) 2-Methylnaphthalene	12.18	142	147315	2.256	ng/ul	96
44) Dimethylphthalate	13.84	163	837060	11.016	ng/ul	100
47) Acenaphthylene	14.10	152	611912	6.561	ng/ul	97
49) Acenaphthene	14.45	153	504060	7.956	ng/ul	99
58) Fluorene	15.44	166	441469	6.285	ng/ul#	97
69) Phenanthrene	17.19	178	10069660	110.130	ng/ul	96
71) Anthracene	17.28	178	4137354	44.570	ng/ul	99
74) Carbazole	17.55	167	277921	3.323	ng/ul#	56
76) Fluoranthene	19.23	202	21763554m	222.967	ng/ul	
79) Pyrene	19.59	202	23910391m	404.473	ng/ul	
82) Benzo(a)anthracene	21.36	228	18361457	312.996	ng/ul#	86
84) Chrysene	21.42	228	16747531	306.094	ng/ul#	88
87) Benzo(b)fluoranthene	23.01	252	18932180	221.945	ng/ul	96
88) Benzo(k)fluoranthene	23.04	252	7486872m	95.460	ng/ul	
90) Benzo(a)pyrene	23.59	252	16245545	201.955	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	26.03	276	11410698	120.888	ng/ul	97
92) Dibenzo(a,h)anthracene	26.01	278	4333687	55.144	ng/ul#	90
93) Benzo(g,h,i)perylene	26.74	276	9955633	125.231	ng/ul	97

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

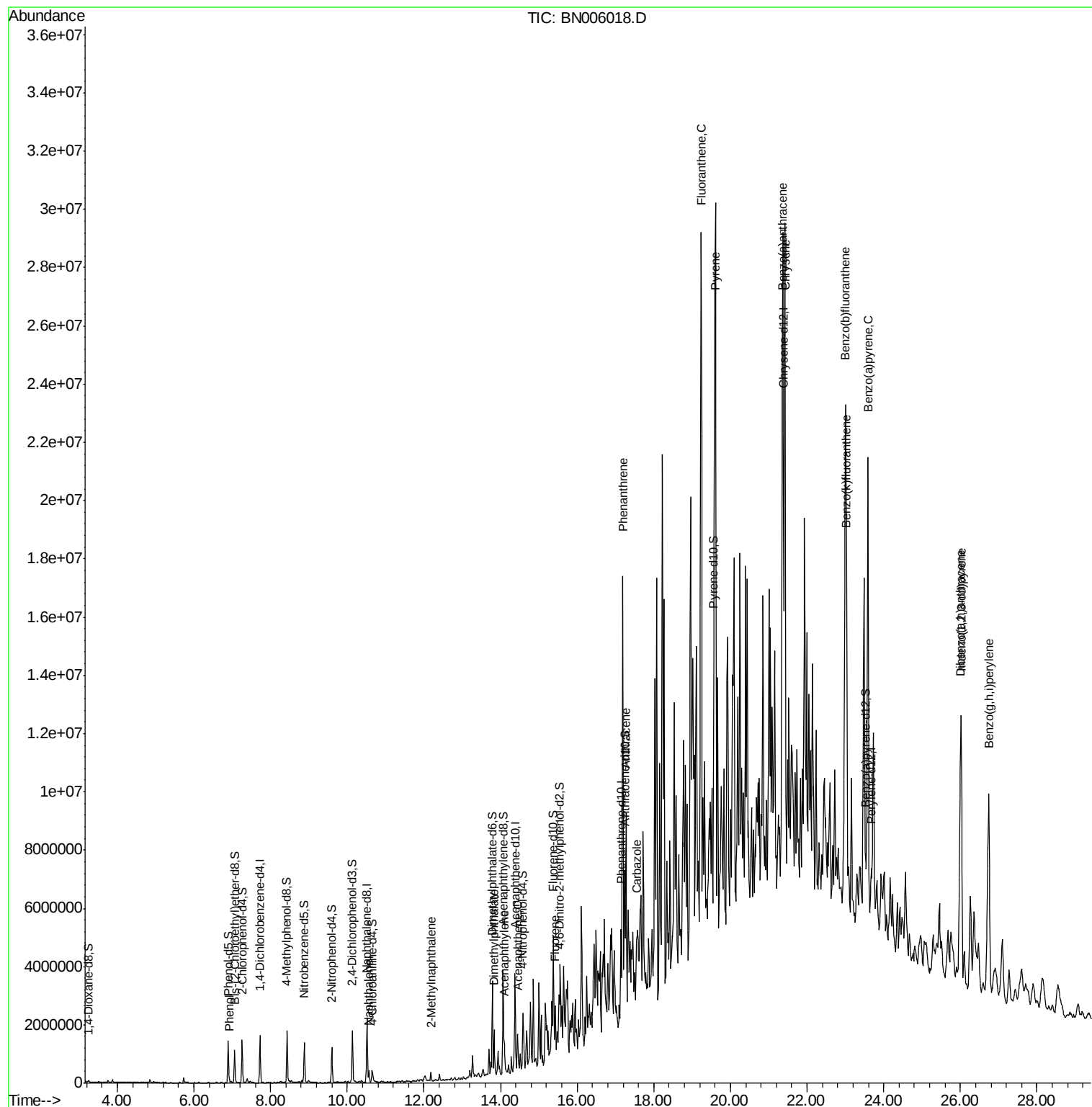
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
Data File : BN006018.D
Acq On : 02 Jun 2019 06:41
Operator : JU/SJ
Sample : K2928-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

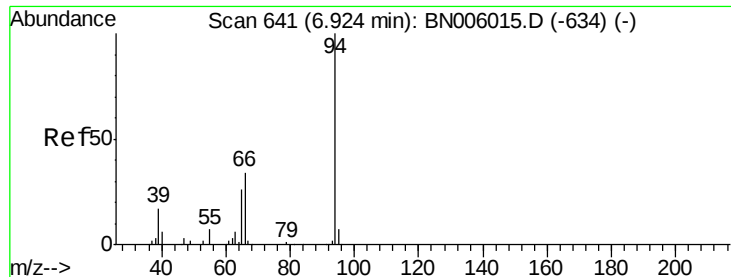
Instrument :
BNA_N
ClientSampled :
A42C9

Quant Time: Jun 03 04:26:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

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#6

Phenol

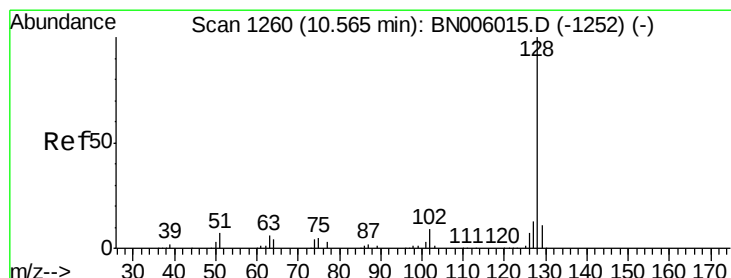
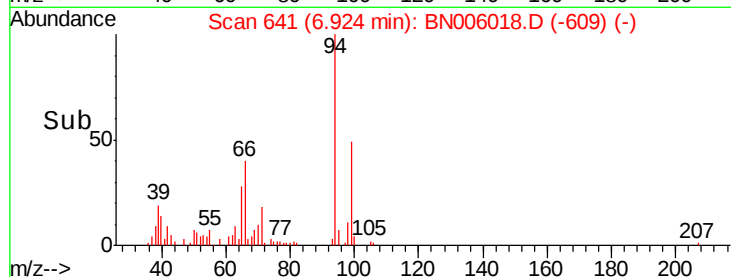
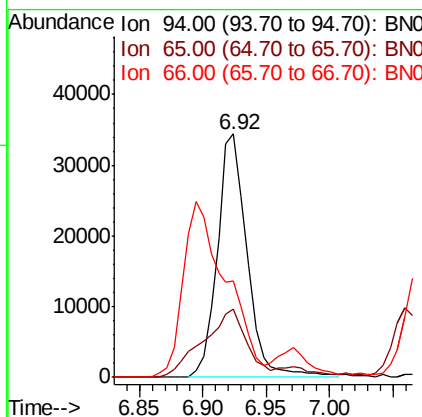
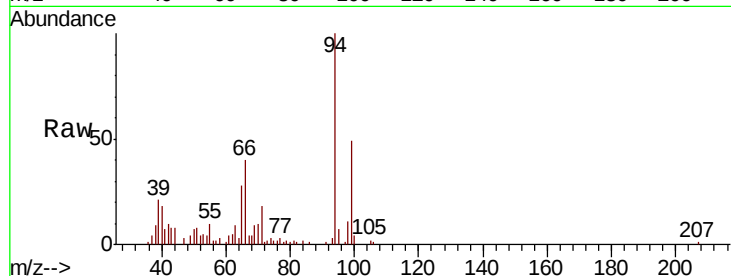
Concen: 1.431 ng/ul
 RT: 6.92 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Instrument :
 BNA_N
 ClientSampleId :
 A42C9

Tot Ion	Ratio	Lower	Upper
94	100		
65	27.8	24.2	36.4
66	39.6	33.8	50.6

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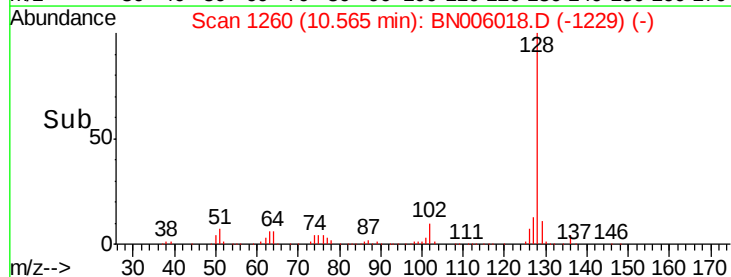
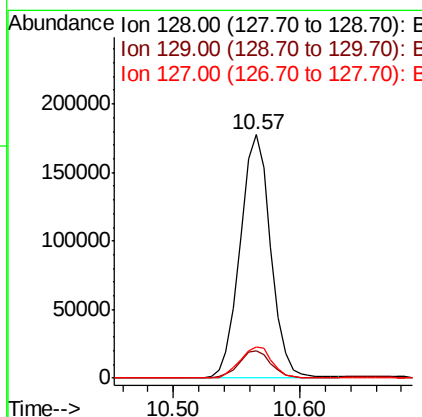
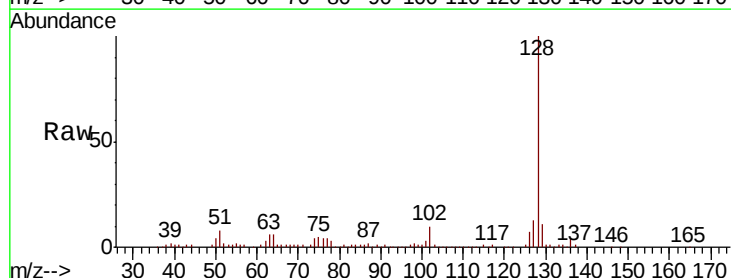


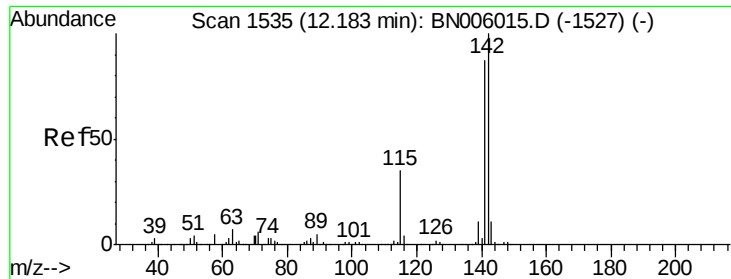
#28

Naphthalene

Concen: 3.366 ng/ul
 RT: 10.57 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	12.8	10.7	16.1





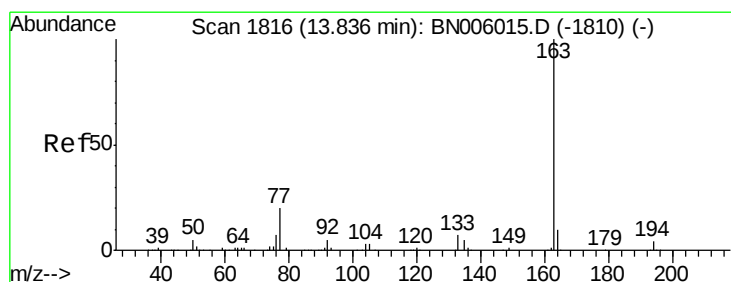
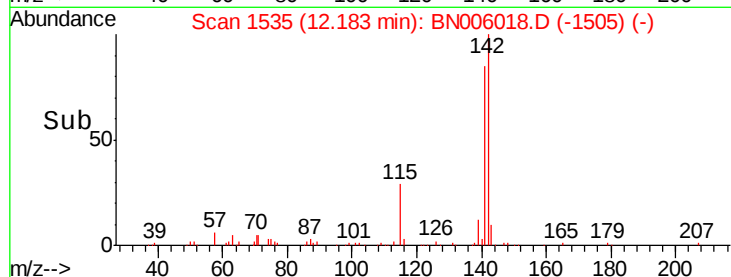
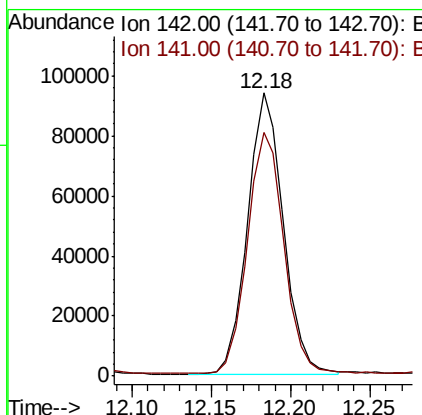
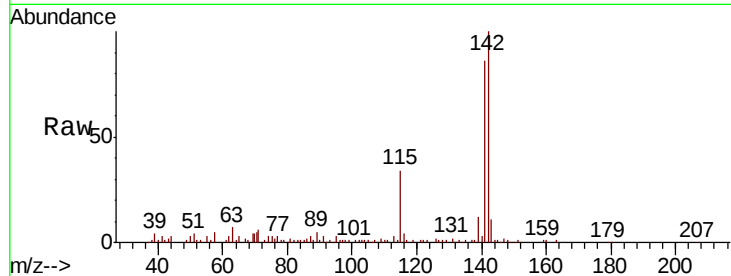
#34
2-Methylnaphthalene
Concen: 2.256 ng/ul
RT: 12.18 min Scan# 1535
Delta R.T. -0.02 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Instrument :
BNA_N
ClientSampled :
A42C9

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	72.0	108.0

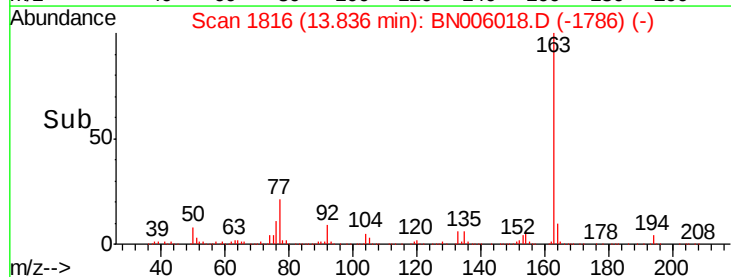
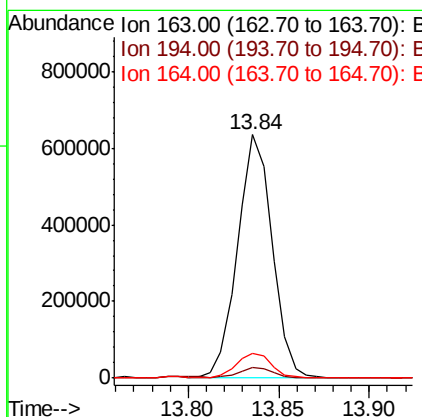
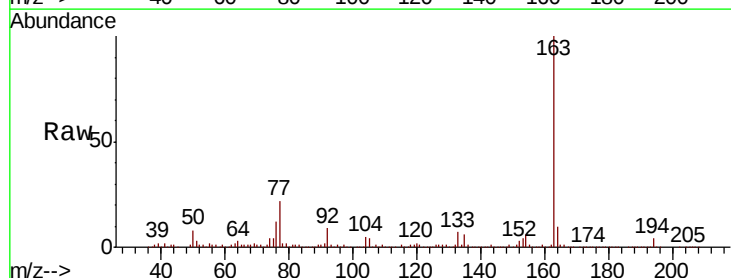
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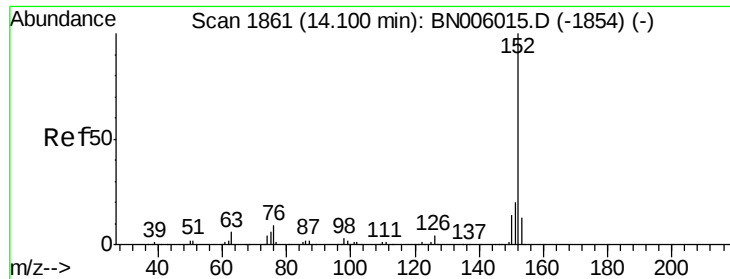
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#44
Dimethylphthalate
Concen: 11.016 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.9	8.1	12.1





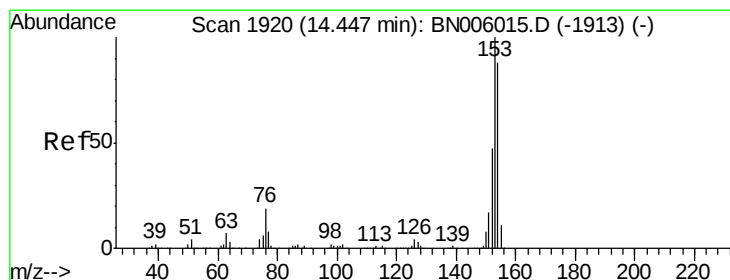
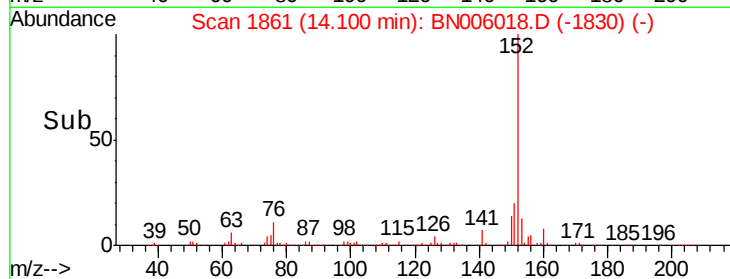
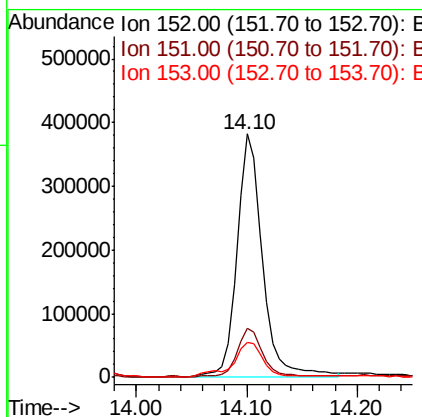
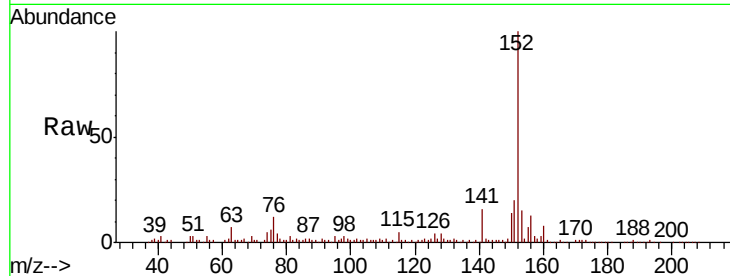
#47
Acenaphthylene
Concen: 6.561 ng/ul
RT: 14.10 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Instrument :
BNA_N
ClientSampled :
A42C9

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	14.6	9.8	14.8

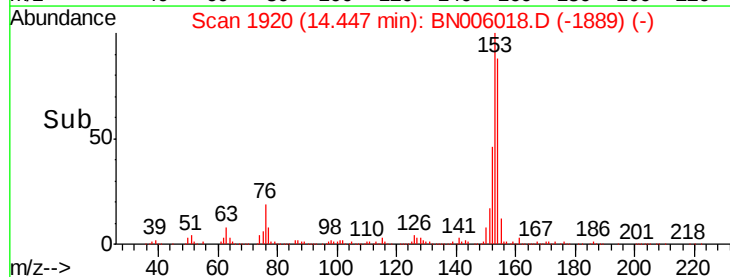
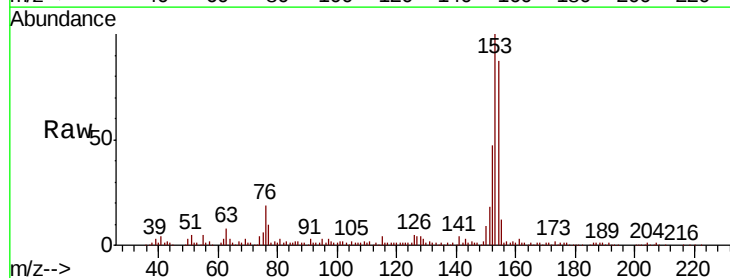
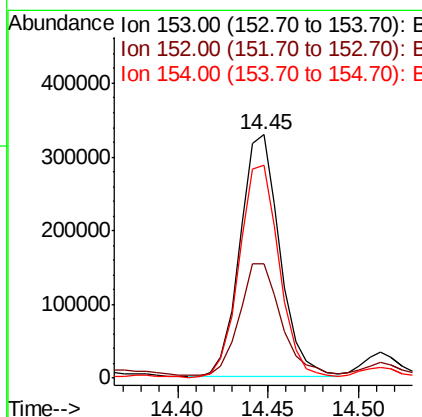
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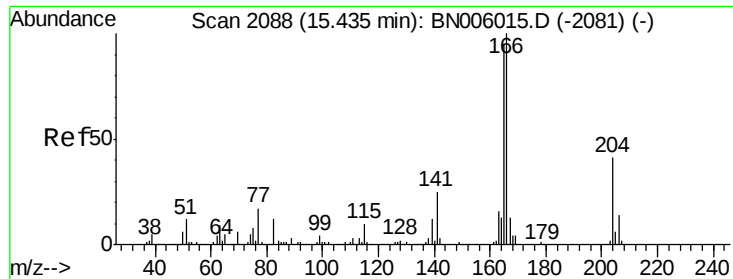
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#49
Acenaphthene
Concen: 7.956 ng/ul
RT: 14.45 min Scan# 1920
Delta R.T. -0.02 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.4	56.0
154	87.5	71.2	106.8





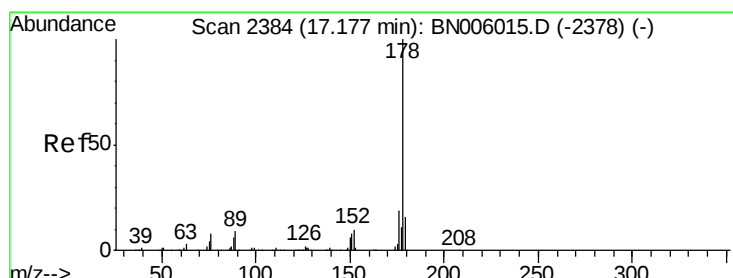
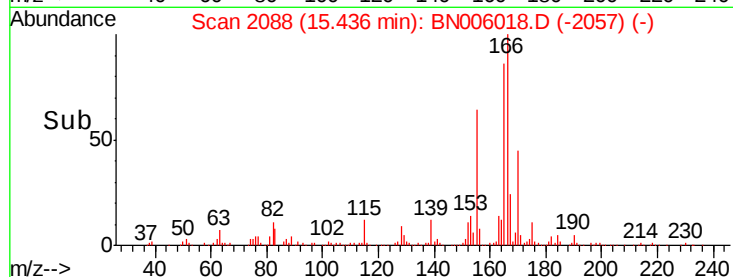
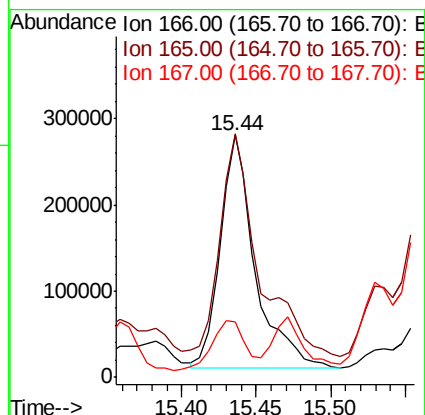
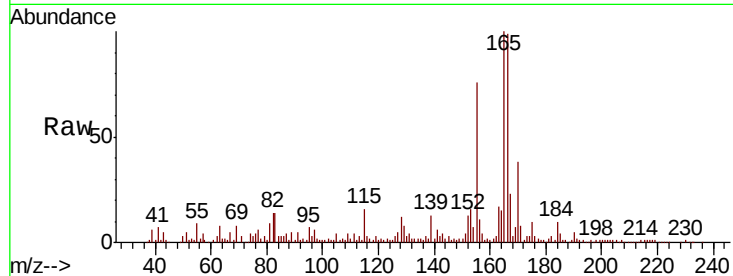
#58
Fluorene
 Concen: 6.285 ng/ul
 RT: 15.44 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Instrument :
 BNA_N
 ClientSampleId :
 A42C9

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.0	120.0
167	22.8	10.7	16.1

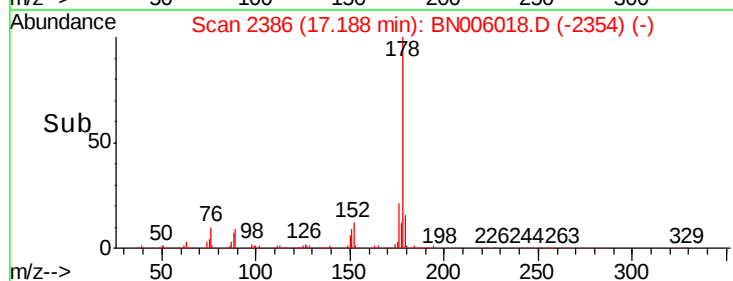
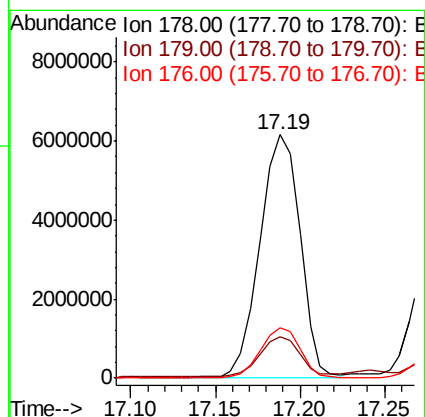
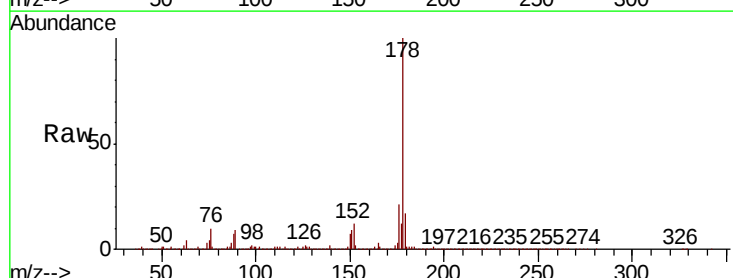
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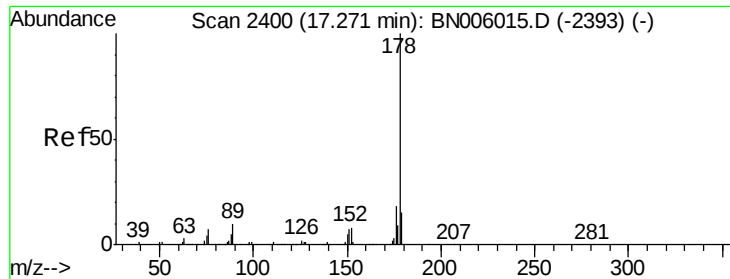
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#69
Phenanthrene
 Concen: 110.130 ng/ul
 RT: 17.19 min Scan# 2386
 Delta R.T. -0.01 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.2	18.4
176	20.7	15.1	22.7





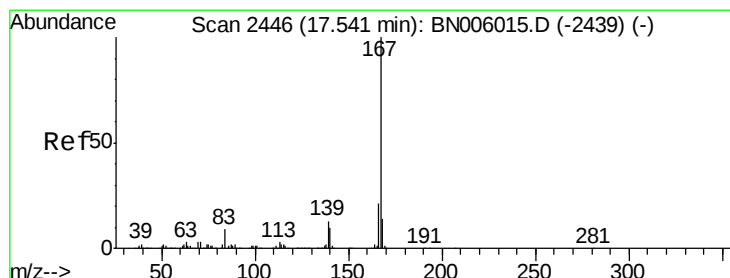
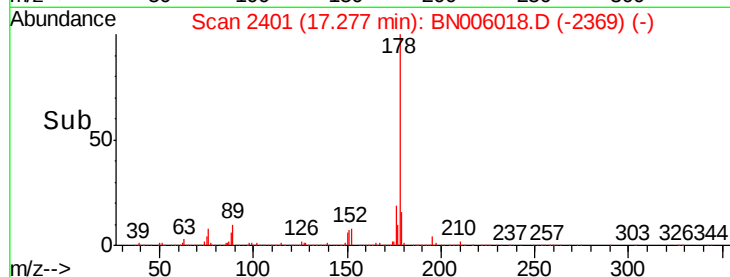
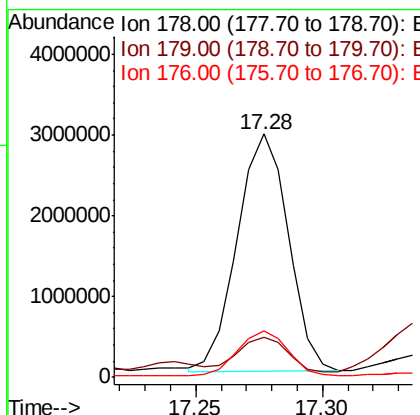
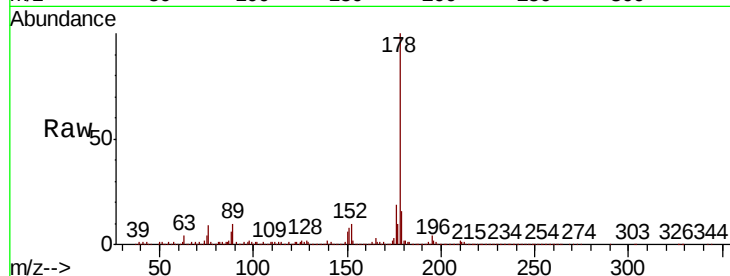
#71
 Anthracene
 Concen: 44.570 ng/ul
 RT: 17.28 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Instrument :
 BNA_N
 ClientSampleId :
 A42C9

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	18.8	15.1	22.7

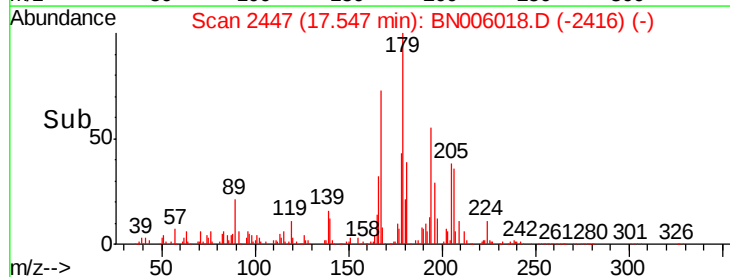
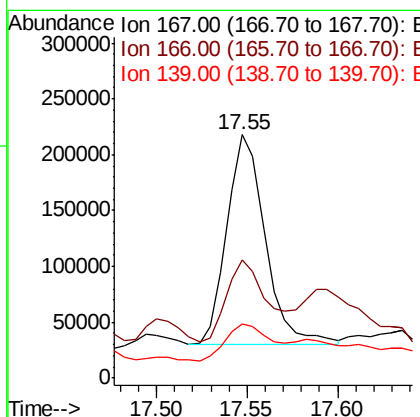
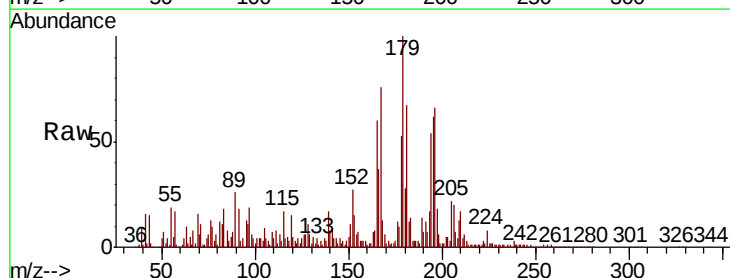
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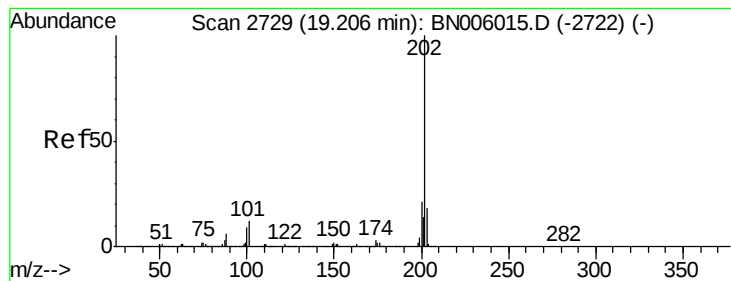
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#74
 Carbazole
 Concen: 3.323 ng/ul
 RT: 17.55 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BN006018.D
 Acq: 02 Jun 2019 06:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	48.4	17.2	25.8#
139	22.0	10.6	16.0#





#76

Fluoranthene

Concen: 222.967 ng/ul m

RT: 19.23 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampleId :

A42C9

Tot Ion:202 Resp:21763554

Ion Ratio Lower Upper

202 100

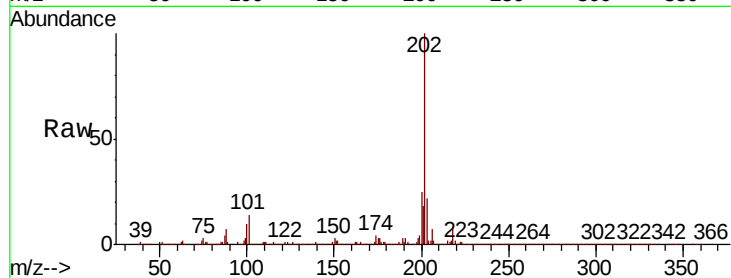
101 13.5 8.6 12.8#

100 10.0 6.3 9.5#

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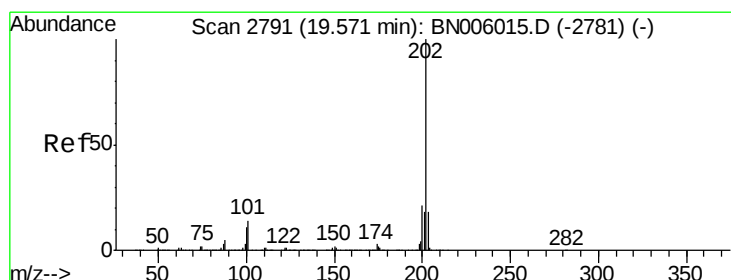
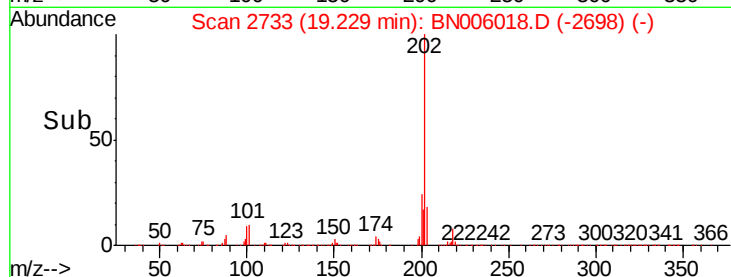
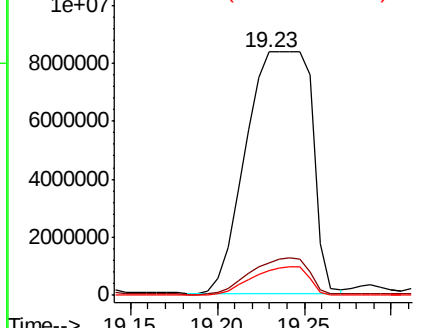
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 404.473 ng/ul m

RT: 19.59 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Tgt Ion:202 Resp:23910391

Ion Ratio Lower Upper

202 100

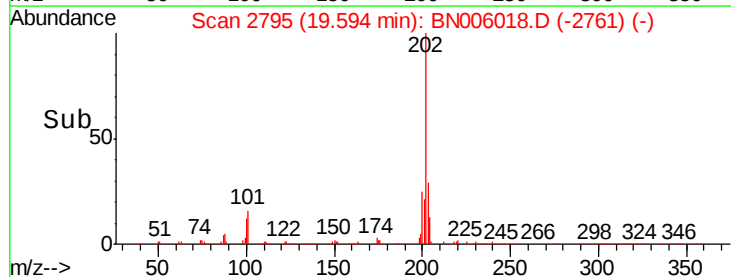
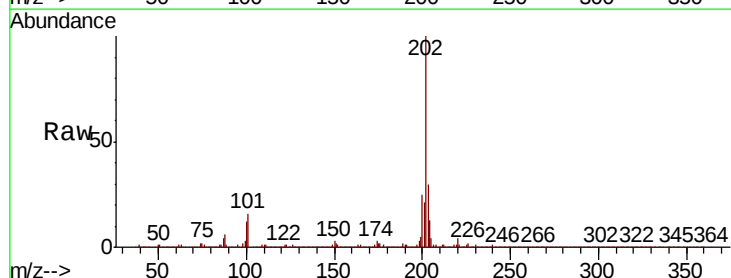
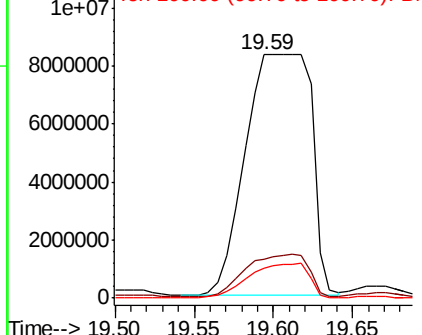
101 16.0 10.3 15.5#

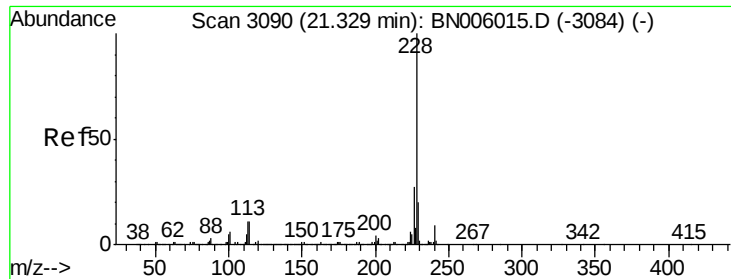
100 12.3 7.9 11.9#

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: 312.996 ng/ul

RT: 21.36 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampled :

A42C9

Tot Ion:228 Resp:18361457

Ion Ratio Lower Upper

228 100

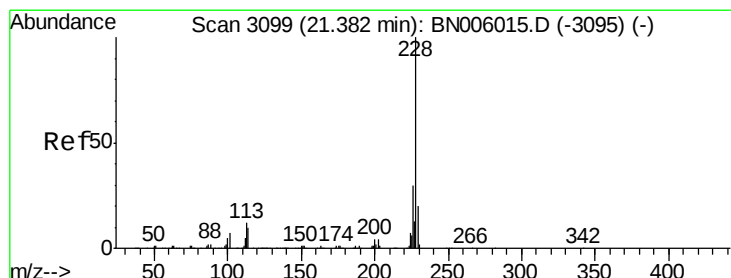
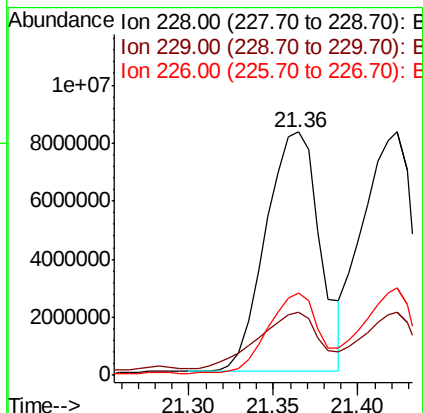
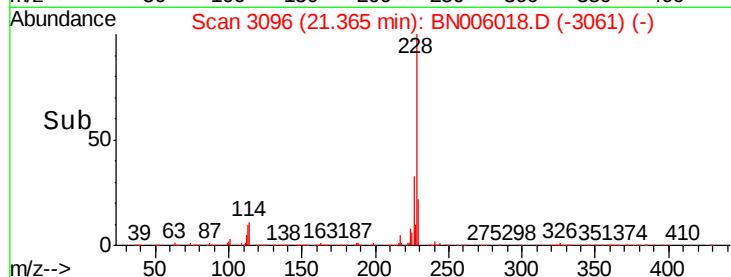
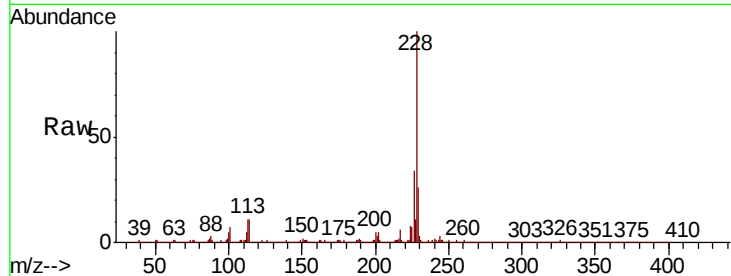
229 25.8 15.8 23.6#

226 34.1 21.4 32.2#

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#84

Chrysene

Concen: 306.094 ng/ul

RT: 21.42 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

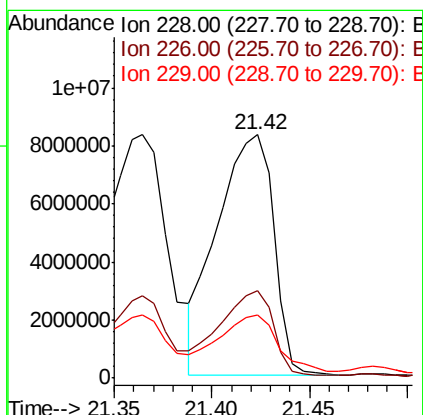
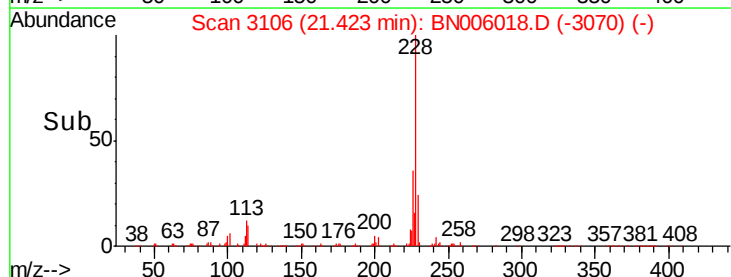
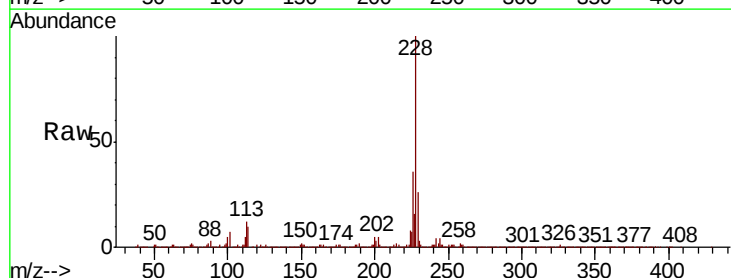
Tgt Ion:228 Resp:16747531

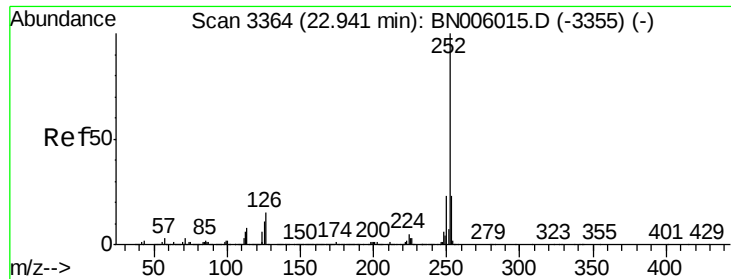
Ion Ratio Lower Upper

228 100

226 35.9 24.0 36.0

229 25.7 15.4 23.0#





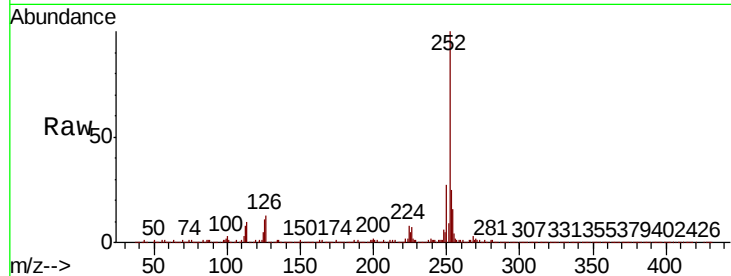
#87
Benzo(b)fluoranthene
Concen: 221.945 ng/ul
RT: 23.01 min Scan# 3375
Delta R.T. 0.02 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Instrument :
BNA_N
ClientSampleId :
A42C9

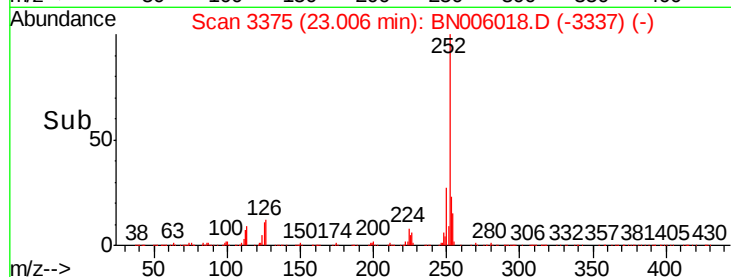
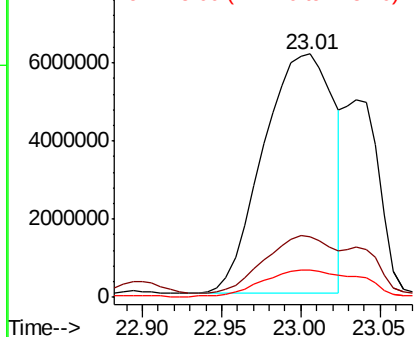
Tot Ion:252 Resp:18932180
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 11.1 8.4 12.6

Manual Integrations
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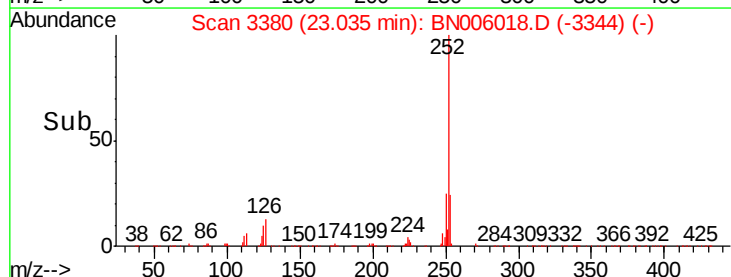
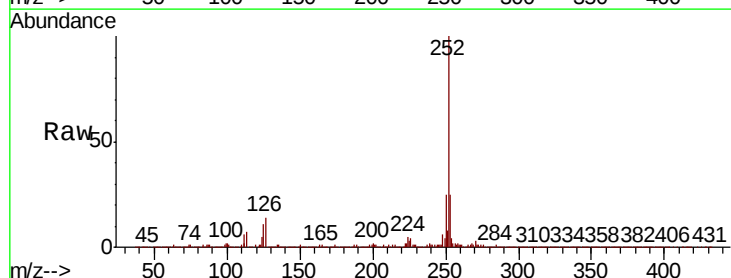
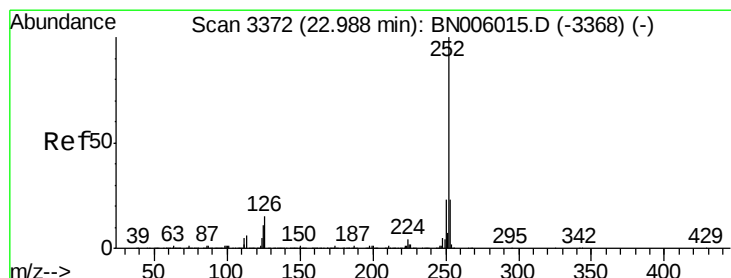
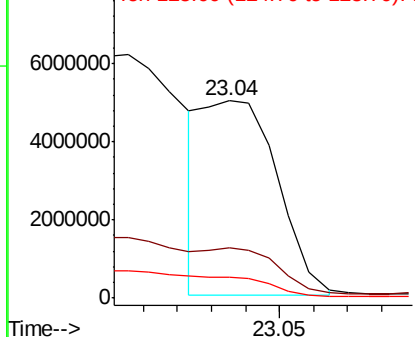
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

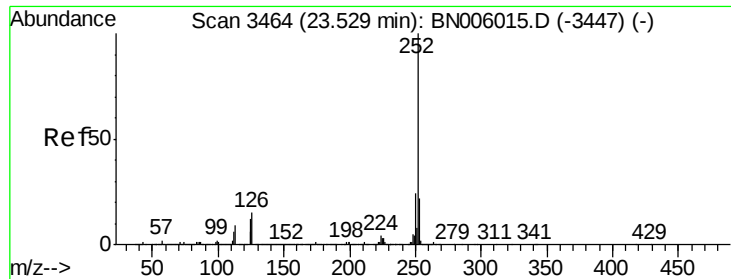


#88
Benzo(k)fluoranthene
Concen: 95.460 ng/ul m
RT: 23.04 min Scan# 3380
Delta R.T. 0.01 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Tgt Ion:252 Resp: 7486872
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.0
125 10.5 7.5 11.3

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





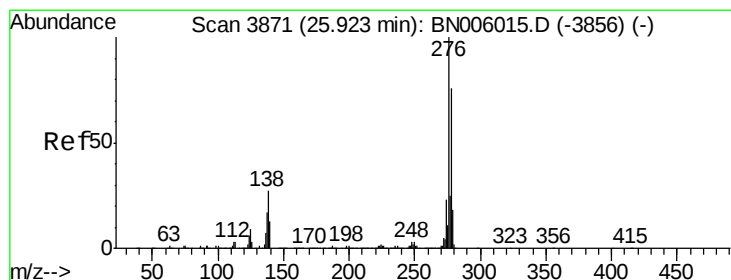
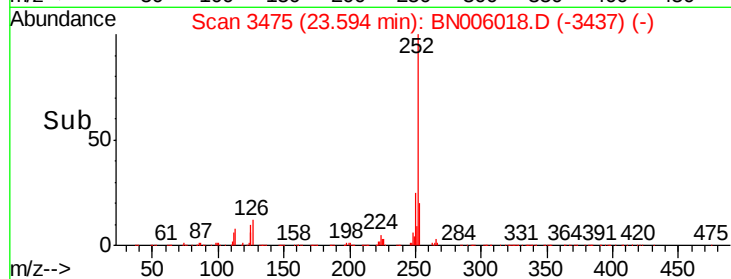
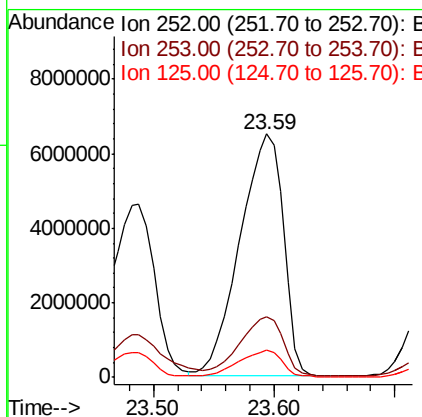
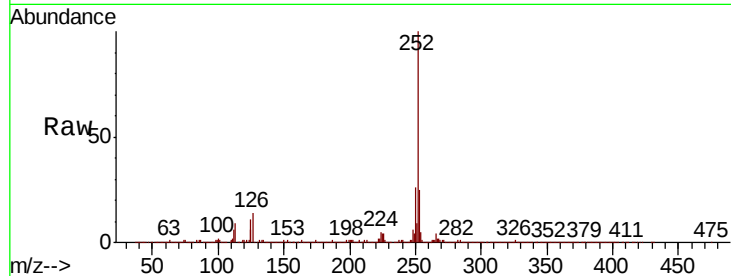
#90
Benzo(a)pyrene
Concen: 201.955 ng/ul
RT: 23.59 min Scan# 3475
Delta R.T. 0.02 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Instrument :
BNA_N
ClientSampled :
A42C9

Tot Ion:252 Resp:16245545
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 11.0 8.6 13.0

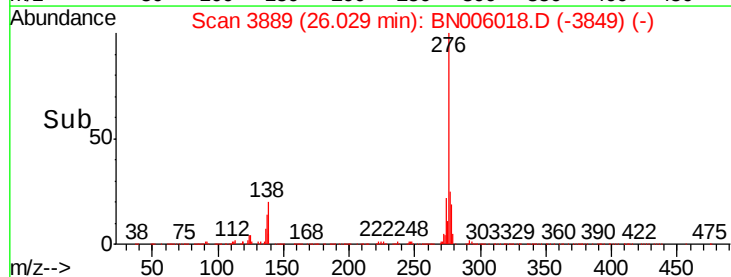
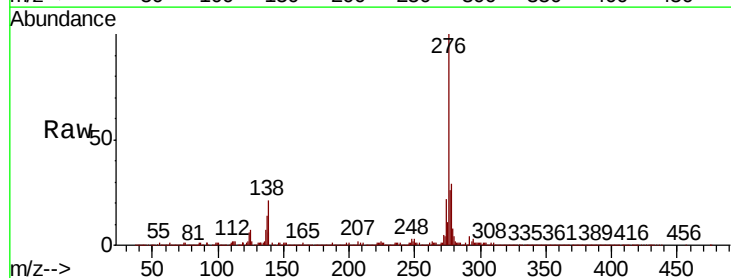
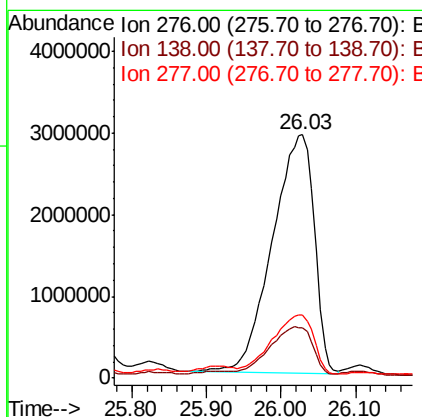
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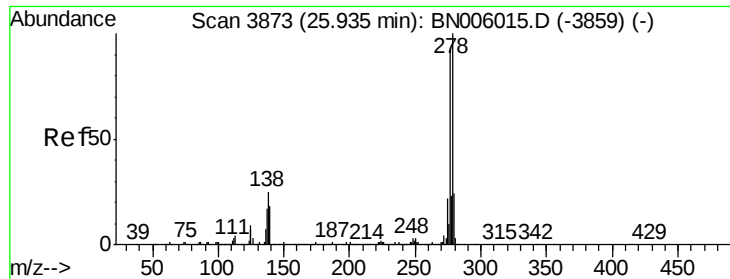
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#91
Indeno(1,2,3-cd)pyrene
Concen: 120.888 ng/ul
RT: 26.03 min Scan# 3889
Delta R.T. 0.04 min
Lab File: BN006018.D
Acq: 02 Jun 2019 06:41

Tgt Ion:276 Resp:11410698
Ion Ratio Lower Upper
276 100
138 20.5 17.9 26.9
277 26.0 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 55.144 ng/ul

RT: 26.01 min Scan# 3886

Delta R.T. 0.01 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

Instrument :

BNA_N

ClientSampled :

A42C9

Tot Ion:278 Resp: 4333687

Ion Ratio Lower Upper

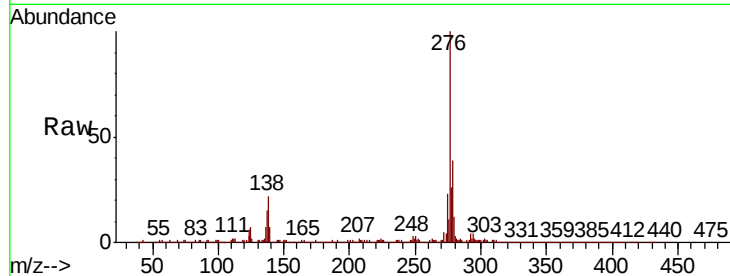
278 100

139 17.9 13.1 19.7

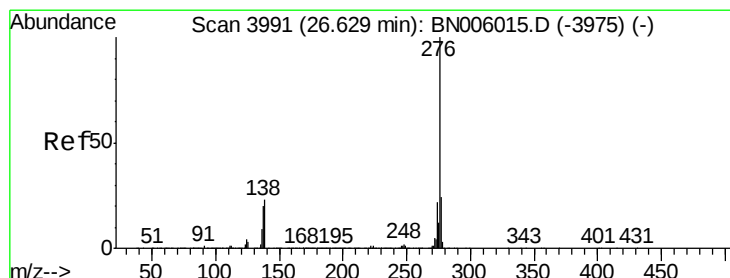
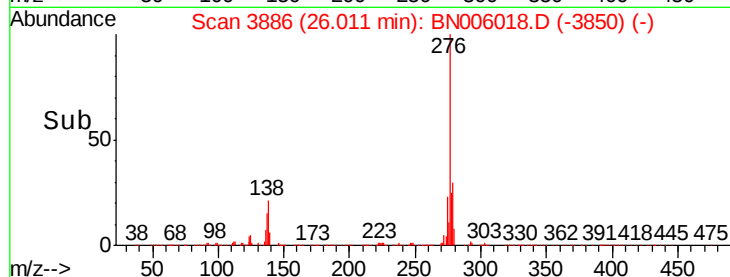
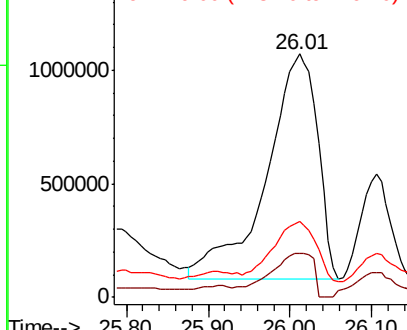
279 31.3 19.4 29.0#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 125.231 ng/ul

RT: 26.74 min Scan# 4010

Delta R.T. 0.04 min

Lab File: BN006018.D

Acq: 02 Jun 2019 06:41

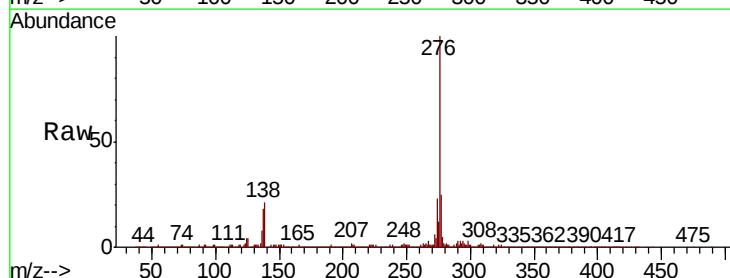
Tgt Ion:276 Resp: 9955633

Ion Ratio Lower Upper

276 100

138 21.3 16.7 25.1

277 25.4 18.2 27.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

