

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\
 Data File : BN005274.D
 Acq On : 25 Apr 2019 05:43
 Operator : JU/SJ
 Sample : K2455-05 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ7

Manual Integrations
 APPROVED

Sohil
 4/25/2019 5:35:22 PM

Quant Time: Apr 25 07:21:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	456925	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1587155m	20.00	ng/ul	0.08
35) Acenaphthene-d10	14.25	164	1564864m	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.00	188	2672868m	20.00	ng/ul	0.02
77) Chrysene-d12	21.23	240	1806193	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	2069273	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	5692	0.60	ng/uL	0.00
5) Phenol-d5	6.78	99	157713	4.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	108341	4.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	128033	4.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	138053	4.92	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	112834m	11.55	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	67577	6.82	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.01	165	143262	6.31	ng/ul	0.02
29) 4-Chloroaniline-d4	10.52	131	132733	5.67	ng/ul	0.02
43) Dimethylphthalate-d6	13.69	166	542533	4.78	ng/ul	0.04
46) Acenaphthylene-d8	13.96	160	562599	4.03	ng/ul	0.04
51) 4-Nitrophenol-d4	14.46	143	152079m	8.48	ng/ul	0.02
57) Fluorene-d10	15.25	176	423404m	4.44	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.42	200	19054m	1.58	ng/ul	0.07
70) Anthracene-d10	17.13	188	604579	5.40	ng/ul	0.04
78) Pyrene-d10	19.42	212	630877	6.83	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.30	264	472166	5.22	ng/ul	0.00

Target Compounds

					Ovalue	
14) Acetophenone	8.40	105	942611	20.995	ng/ul#	59
28) Naphthalene	10.42	128	79753091m	1080.896	ng/ul	
34) 2-Methylnaphthalene	12.05	142	73544353m	1361.285	ng/ul	
40) 1,1'-Biphenyl	13.07	154	18170922m	155.844	ng/ul	
47) Acenaphthylene	13.98	152	32021433m	233.539	ng/ul	
49) Acenaphthene	14.32	153	8477533	90.566	ng/ul	98
53) Dibenzofuran	14.65	168	7925290	58.806	ng/ul	93
58) Fluorene	15.31	166	27470668m	261.218	ng/ul	
69) Phenanthrene	17.04	178	47705615m	366.479	ng/ul	
71) Anthracene	17.15	178	16332754m	123.167	ng/ul	
76) Fluoranthene	19.07	202	23251251m	161.035	ng/ul	
79) Pyrene	19.44	202	28026493m	240.995	ng/ul	
82) Benzo(a)anthracene	21.22	228	16073114	143.045	ng/ul#	69
84) Chrysene	21.27	228	14207998	136.243	ng/ul#	83
87) Benzo(b)fluoranthene	22.80	252	10103107	86.857	ng/ul	98
88) Benzo(k)fluoranthene	22.83	252	3598827m	32.395	ng/ul	
90) Benzo(a)pyrene	23.36	252	8714088	79.701	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.63	276	4531237	37.485	ng/ul	96
92) Dibenzo(a,h)anthracene	25.63	278	1425109	13.892	ng/ul	98
93) Benzo(g,h,i)perylene	26.30	276	3703017	37.048	ng/ul	96

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

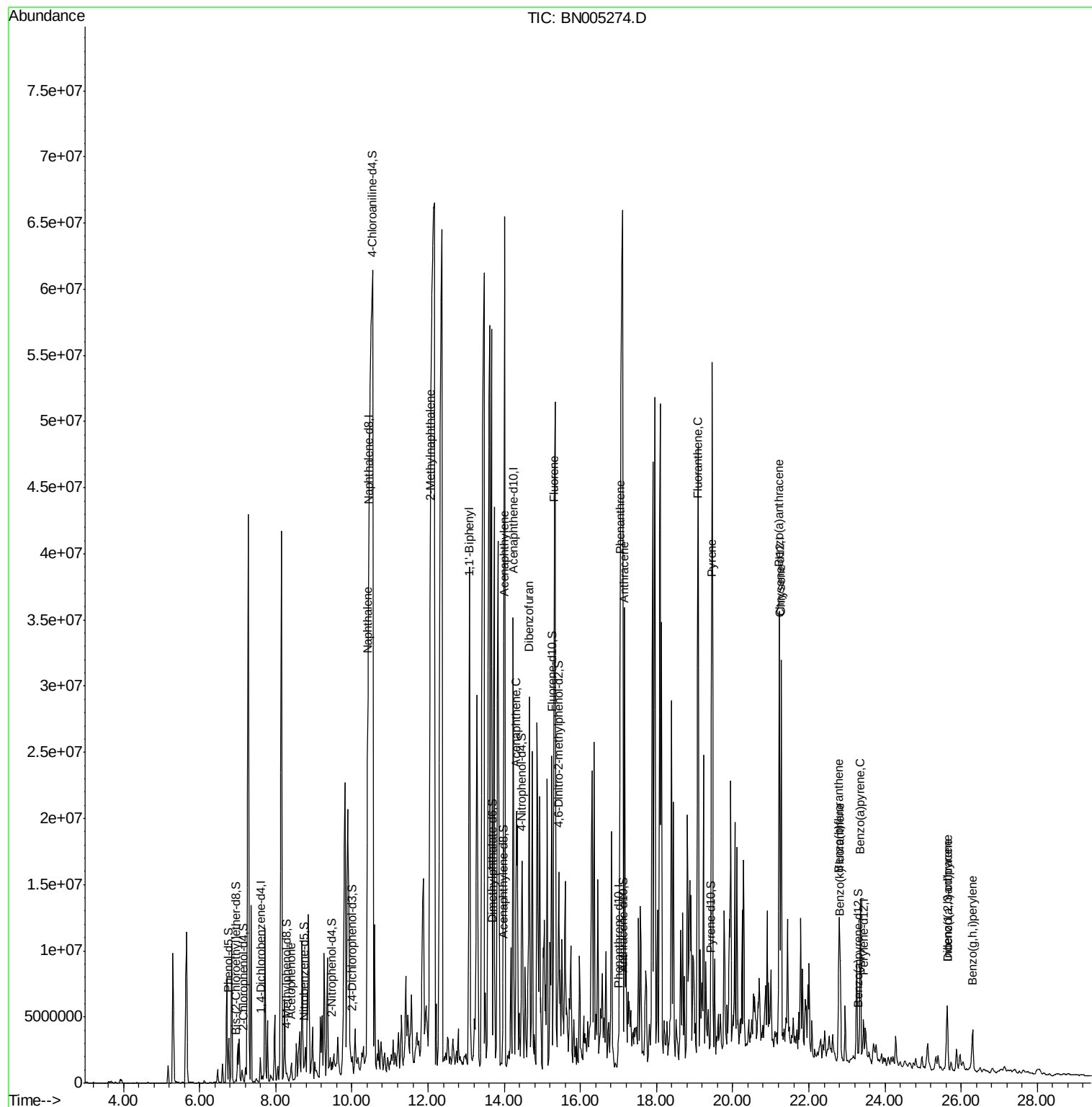
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042419\
Data File : BN005274.D
Acq On : 25 Apr 2019 05:43
Operator : JU/SJ
Sample : K2455-05 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

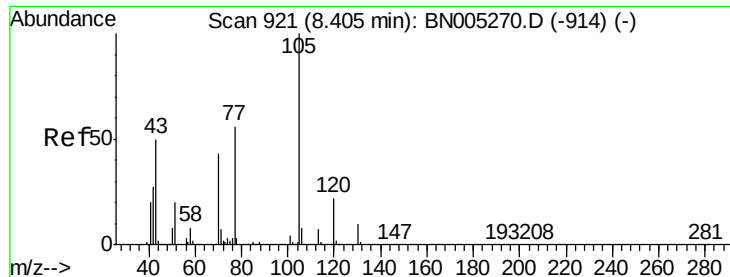
Instrument :
BNA_N
ClientSampleId :
GAHQ7

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
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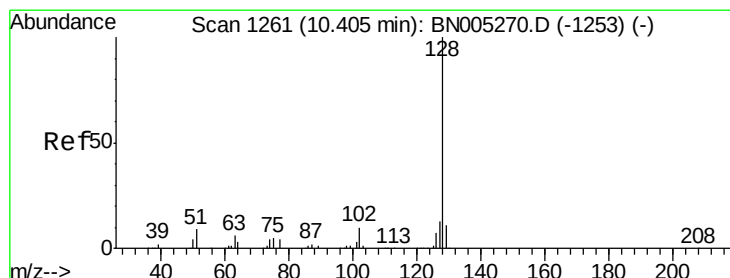
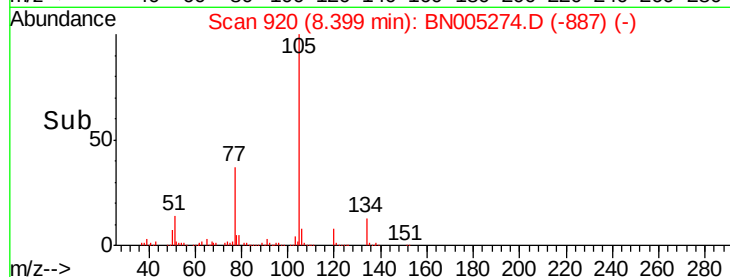
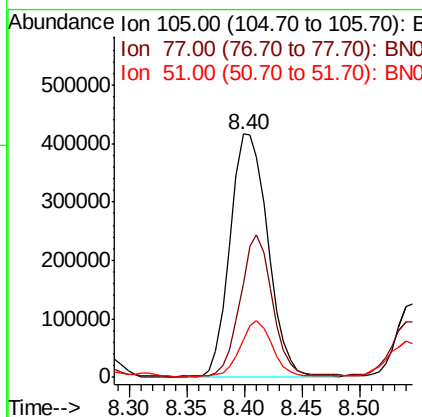
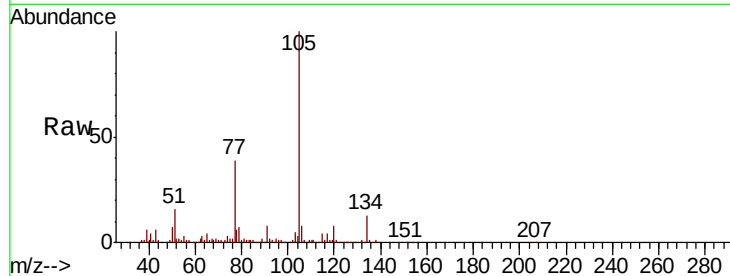
#14
Acetophenone
Concen: 20.995 ng/ul
RT: 8.40 min Scan# 920
Delta R.T. -0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Instrument :
BNA_N
ClientSampled :
GAHQ7

Tot Ion	Ratio	Lower	Upper
105	100		
77	38.6	63.4	95.0#
51	15.6	24.2	36.4#

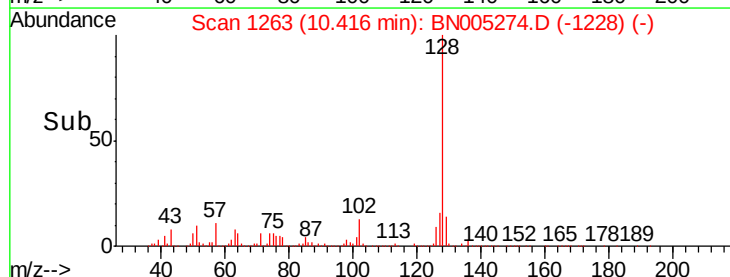
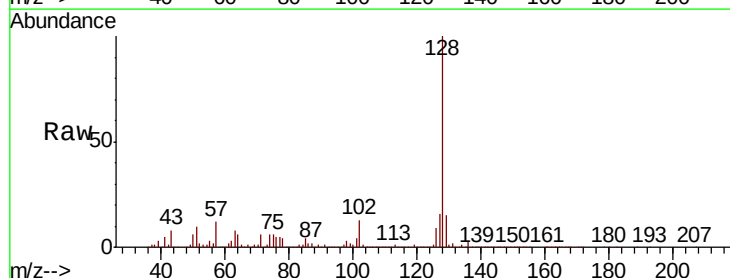
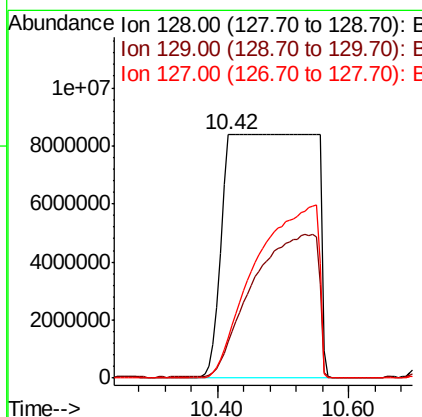
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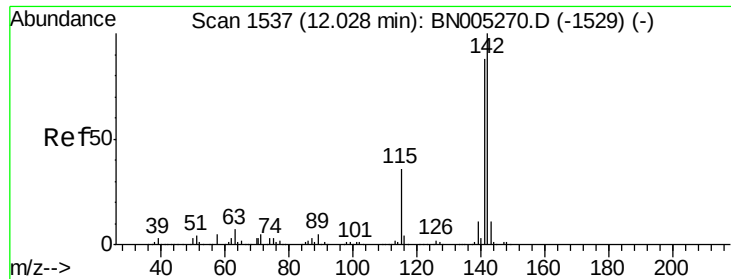
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#28
Naphthalene
Concen: 1080.896 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.6	9.2	13.8#
127	16.4	10.7	16.1#





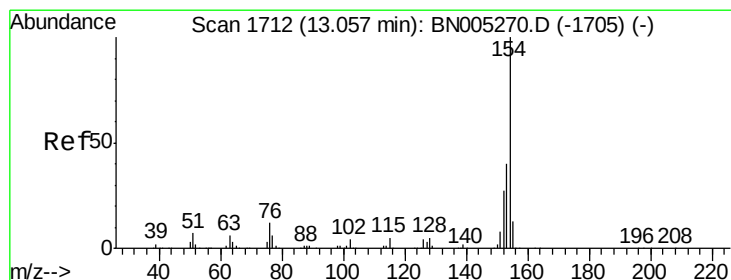
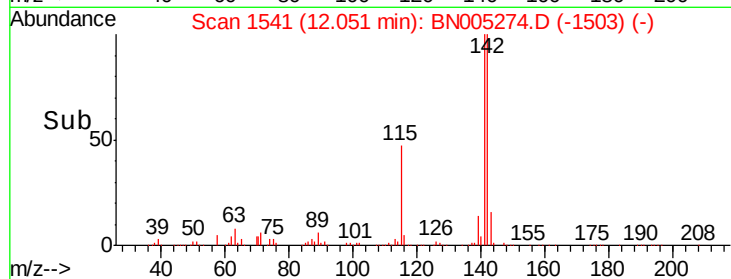
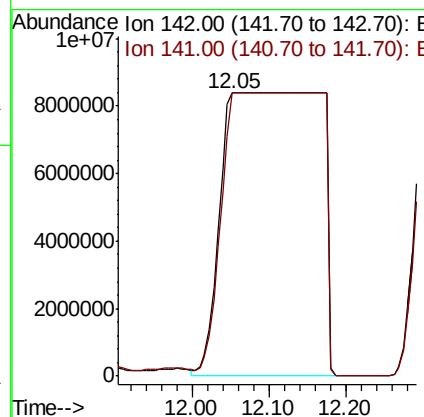
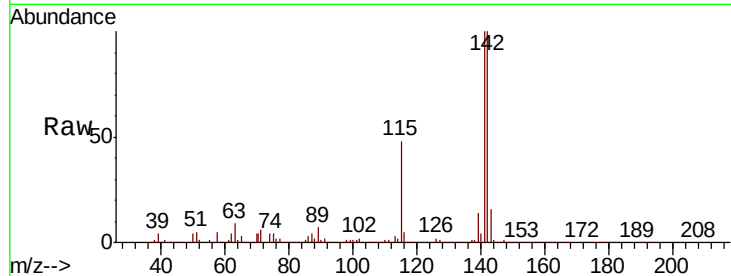
#34
 2-Methylnaphthalene
 Concen: 1361.285 ng/ul m
 RT: 12.05 min Scan# 1541
 Delta R.T. 0.02 min
 Lab File: BN005274.D
 Acq: 25 Apr 2019 05:43

Instrument :
 BNA_N
 ClientSampled :
 GAHQ7

Tot Ion:142 Resp:73544353
 Ion Ratio Lower Upper
 142 100
 141 100.0 72.0 108.0

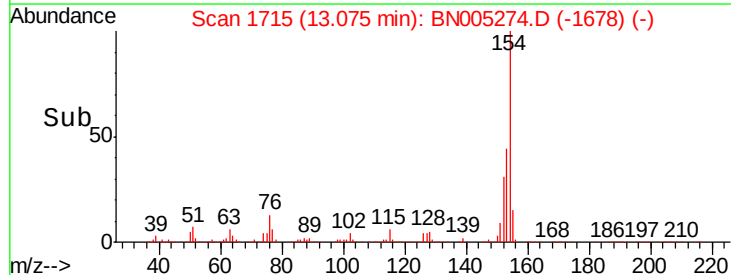
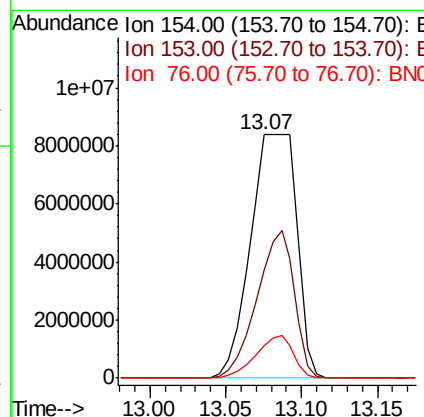
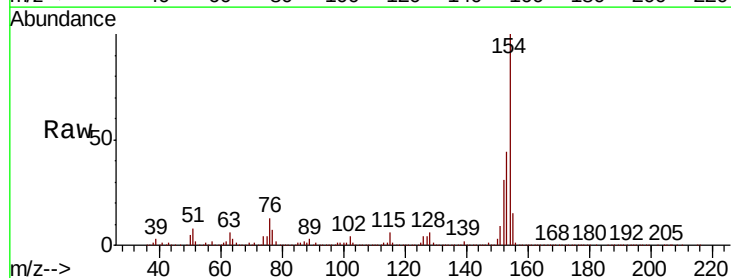
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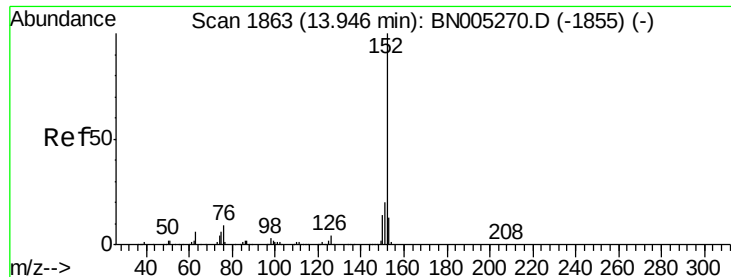
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#40
 1,1'-Biphenyl
 Concen: 155.844 ng/ul m
 RT: 13.07 min Scan# 1715
 Delta R.T. 0.02 min
 Lab File: BN005274.D
 Acq: 25 Apr 2019 05:43

Tgt Ion:154 Resp:18170922
 Ion Ratio Lower Upper
 154 100
 153 44.4 32.6 49.0
 76 13.4 10.4 15.6





#47

Acenaphthylene

Concen: 233.539 ng/ul m

RT: 13.98 min Scan# 1869

Delta R.T. 0.03 min

Lab File: BN005274.D

Acq: 25 Apr 2019 05:43

Instrument :

BNA_N

ClientSampled :

GAHQ7

Tot Ion:152 Resp:32021433

Ion Ratio Lower Upper

152 100

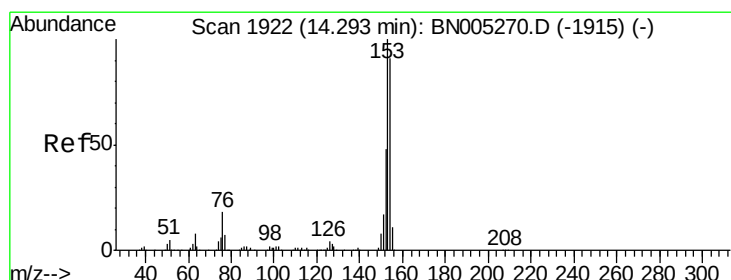
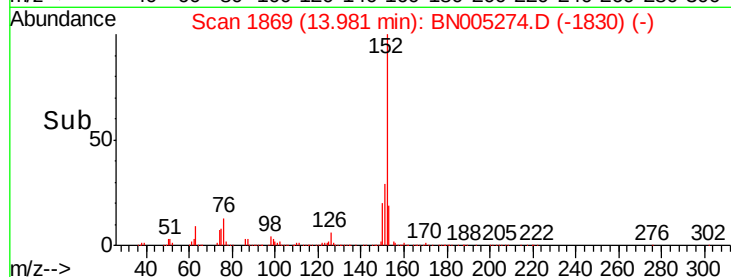
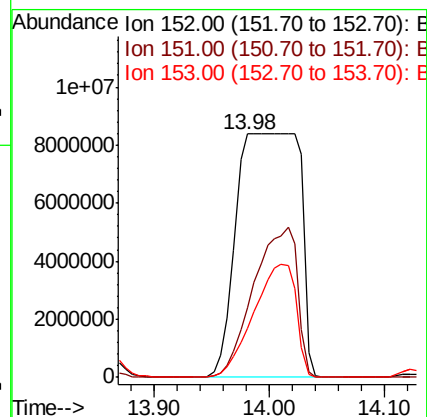
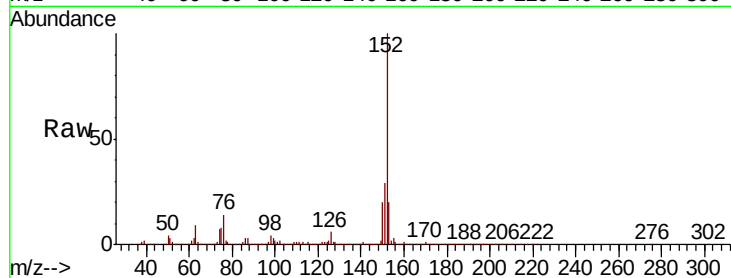
151 28.8 15.8 23.8#

153 20.2 9.8 14.8#

Manual Integrations
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#49

Acenaphthene

Concen: 90.566 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.02 min

Lab File: BN005274.D

Acq: 25 Apr 2019 05:43

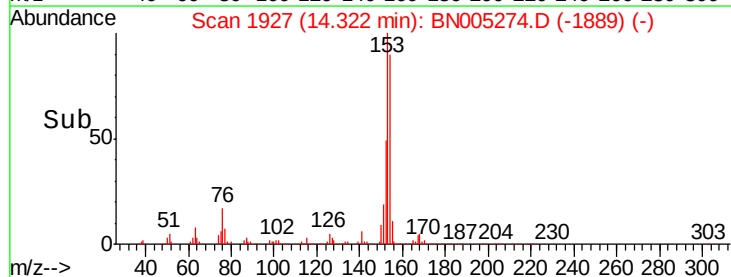
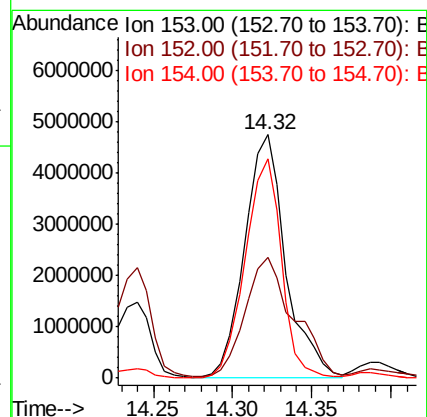
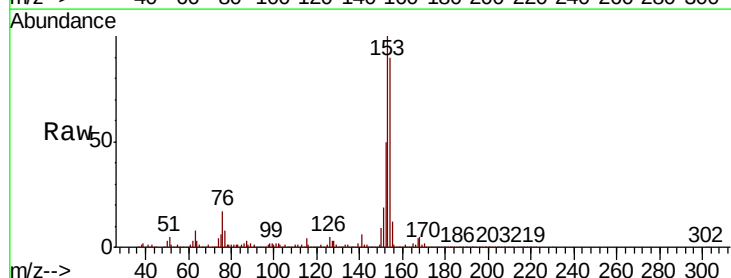
Tgt Ion:153 Resp: 8477533

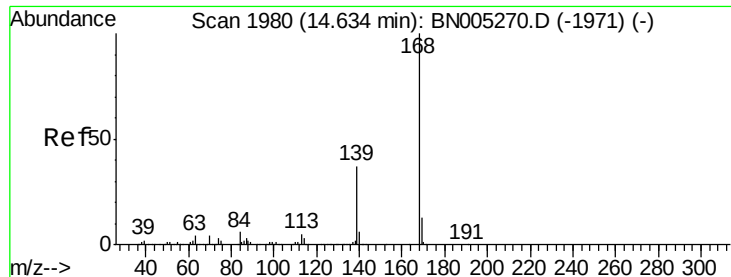
Ion Ratio Lower Upper

153 100

152 49.7 37.4 56.0

154 90.2 71.2 106.8





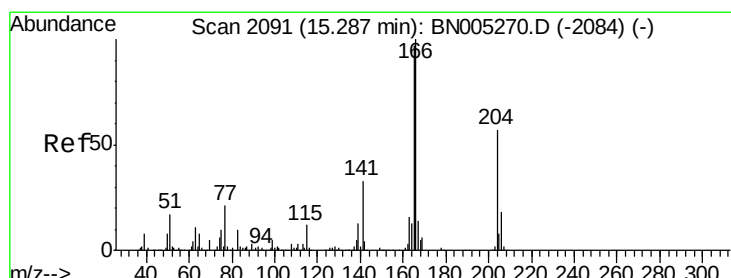
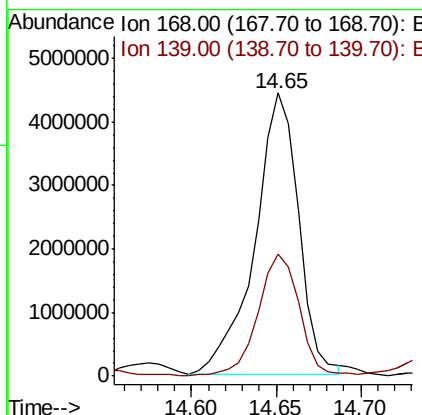
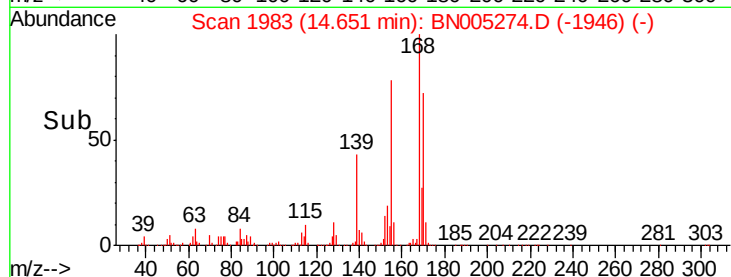
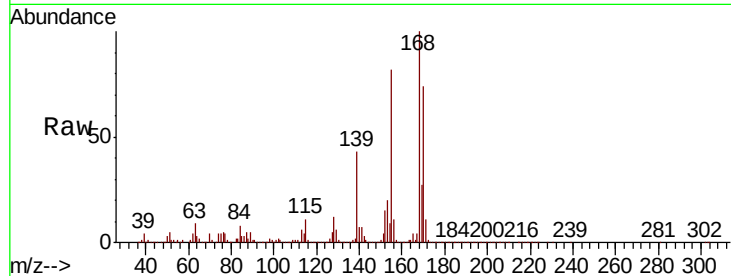
#53
Dibenzenofuran
Concen: 58.806 ng/ul
RT: 14.65 min Scan# 1983
Delta R.T. 0.02 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Instrument :
BNA_N
ClientSampled :
GAHQ7

Tot Ion:168 Resp: 7925290
Ion Ratio Lower Upper
168 100
139 43.0 30.9 46.3

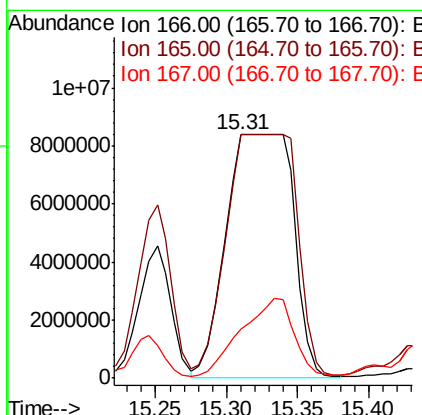
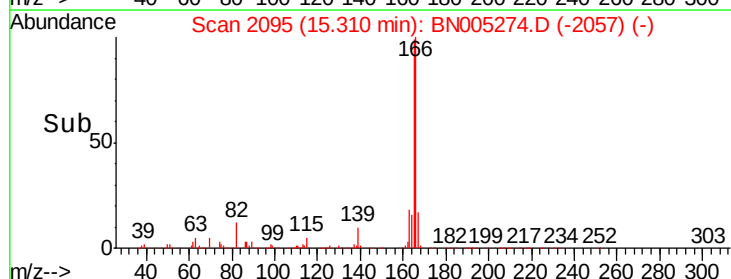
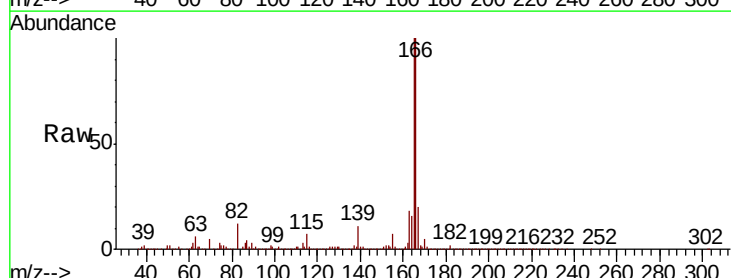
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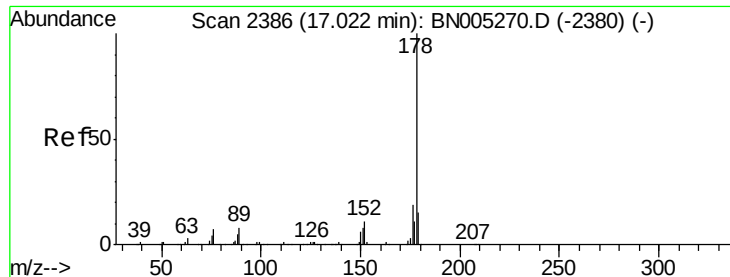
Sohil
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#58
Fluorene
Concen: 261.218 ng/ul m
RT: 15.31 min Scan# 2095
Delta R.T. 0.02 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Tgt Ion:166 Resp:27470668
Ion Ratio Lower Upper
166 100
165 100.0 80.0 120.0
167 20.4 10.7 16.1#





#69

Phenanthrene

Concen: 366.479 ng/ul m

RT: 17.04 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BN005274.D

Acq: 25 Apr 2019 05:43

Instrument :

BNA_N

ClientSampled :

GAHQ7

Tot Ion:178 Resp:47705615

Ion Ratio Lower Upper

178 100

179 23.6 12.2 18.4#

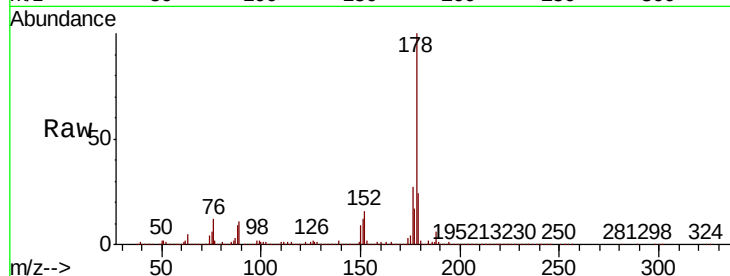
176 27.4 15.1 22.7#

Manual Integrations

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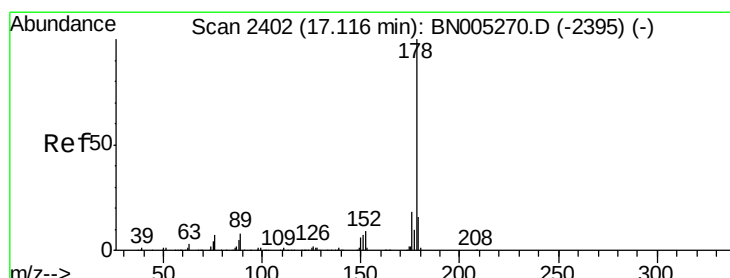
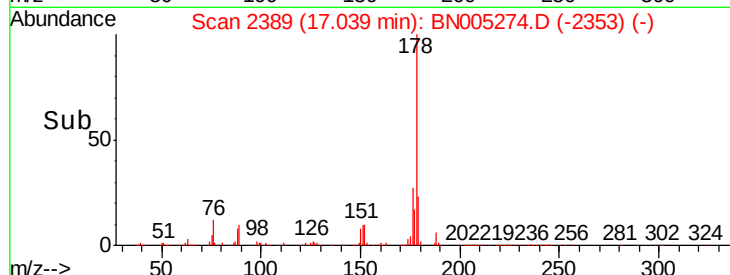
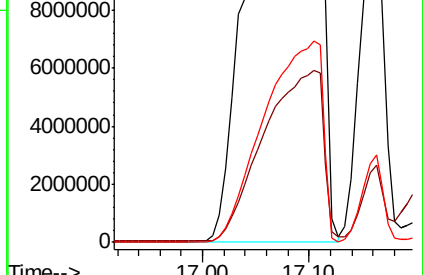
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 123.167 ng/ul m

RT: 17.15 min Scan# 2408

Delta R.T. 0.04 min

Lab File: BN005274.D

Acq: 25 Apr 2019 05:43

Tgt Ion:178 Resp:16332754

Ion Ratio Lower Upper

178 100

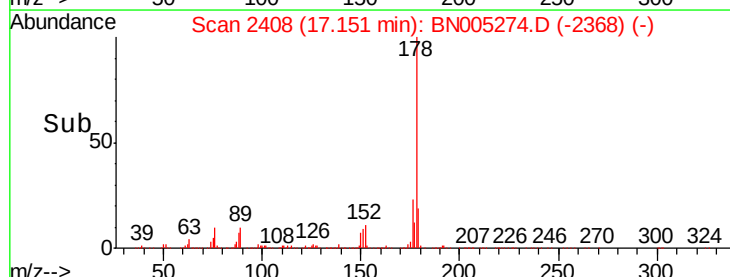
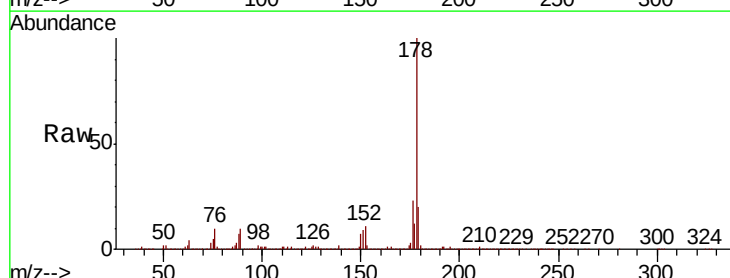
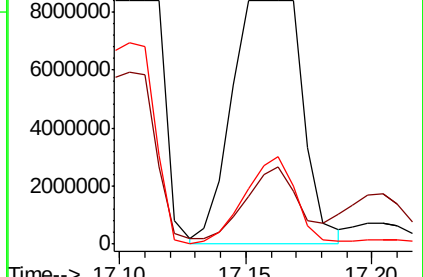
179 19.8 12.3 18.5#

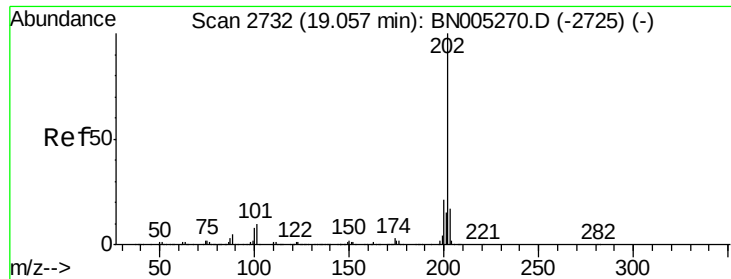
176 22.7 15.1 22.7

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: 161.035 ng/ul m

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BN005274.D

Acq: 25 Apr 2019 05:43

Instrument :

BNA_N

ClientSampled :

GAHQ7

Tot Ion:202 Resp:23251251

Ion Ratio Lower Upper

202 100

101 14.1 8.6 12.8#

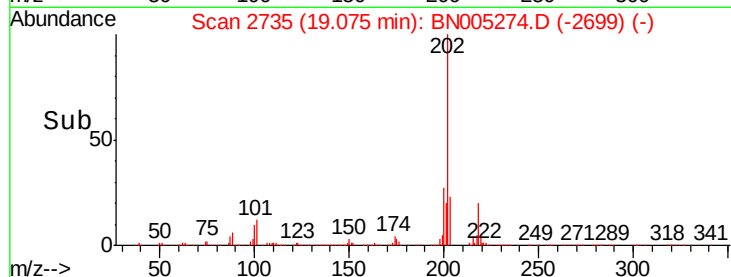
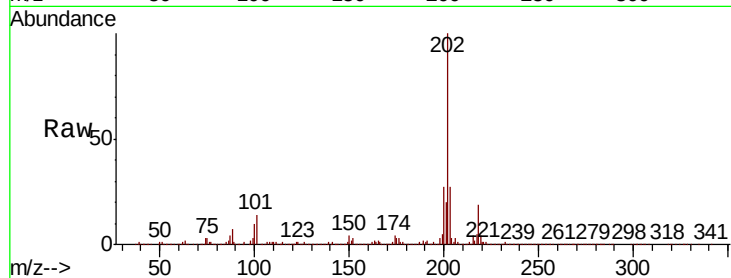
100 10.1 6.3 9.5#

Manual Integrations

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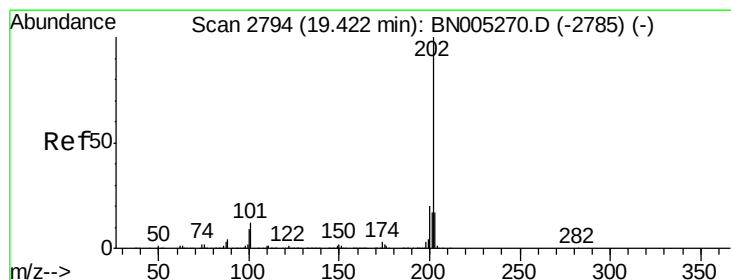
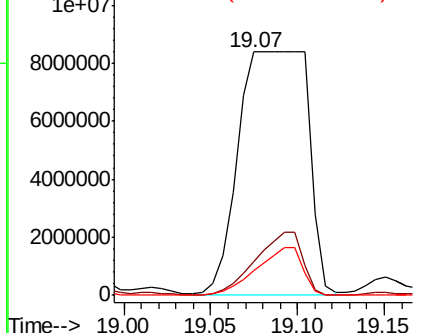
4/25/2019 5:35:22 PM



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: 240.995 ng/ul m

RT: 19.44 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BN005274.D

Acq: 25 Apr 2019 05:43

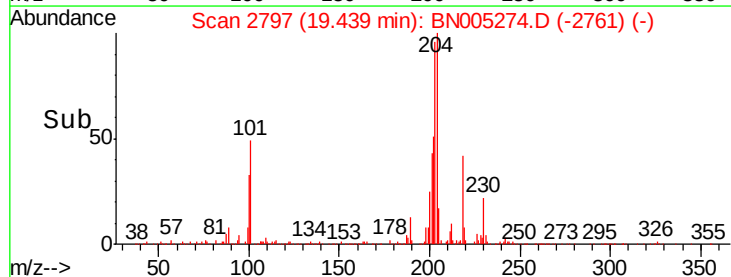
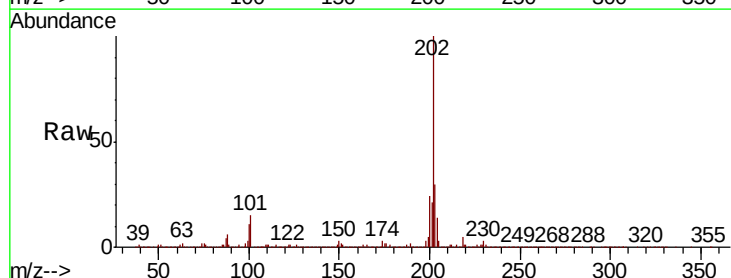
Tgt Ion:202 Resp:28026493

Ion Ratio Lower Upper

202 100

101 15.4 10.3 15.5

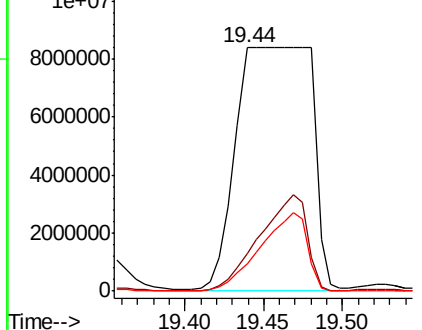
100 11.4 7.9 11.9

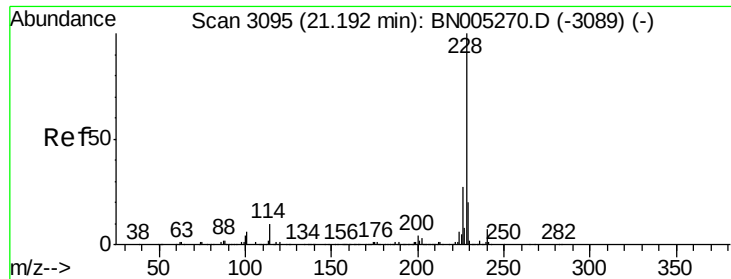


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





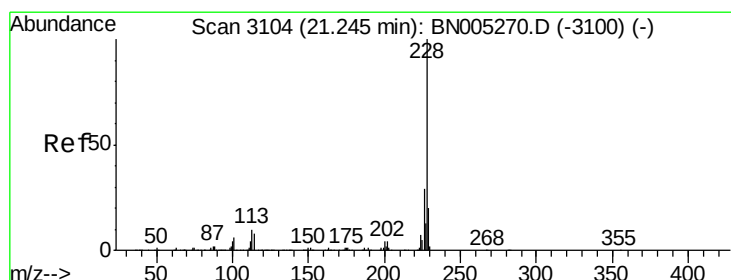
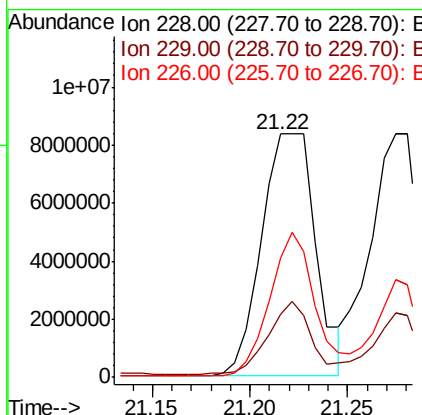
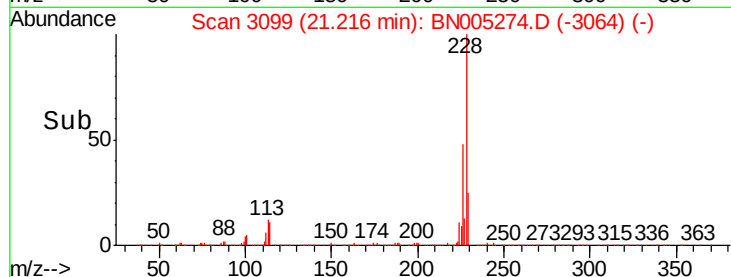
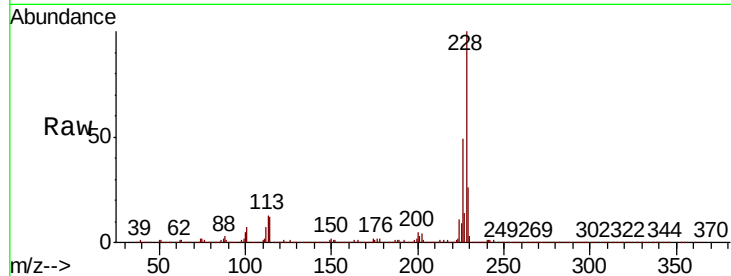
#82
Benzo(a)anthracene
Concen: 143.045 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Instrument :
BNA_N
ClientSampled :
GAHQ7

Tot Ion:228 Resp:16073114
Ion Ratio Lower Upper
228 100
229 26.1 15.8 23.6#
226 49.0 21.4 32.2#

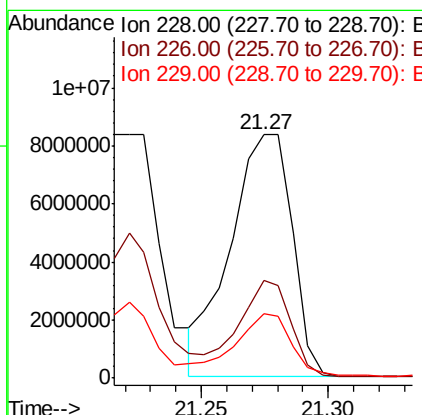
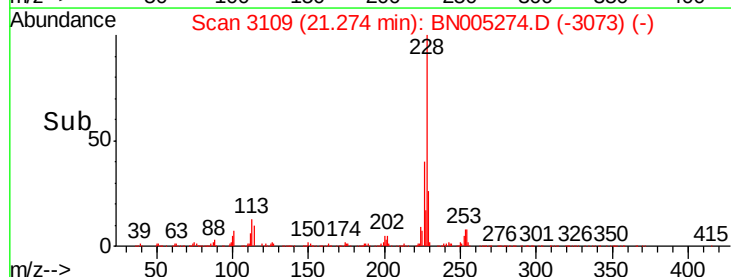
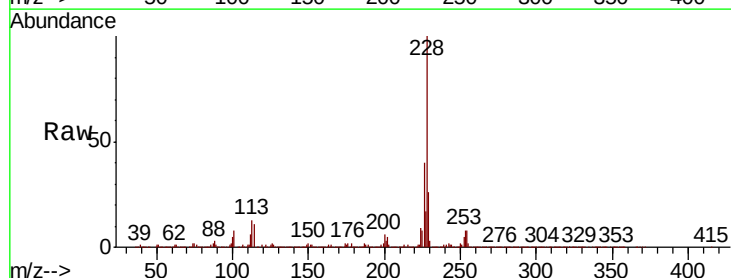
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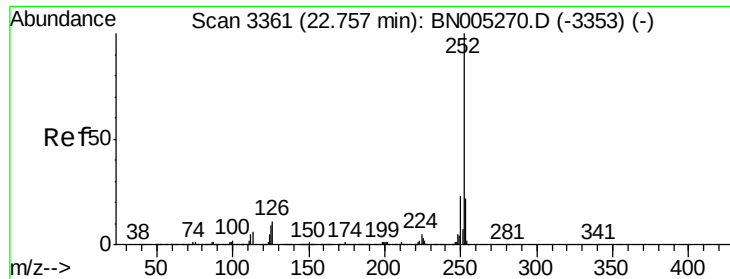
Sohil
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#84
Chrysene
Concen: 136.243 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Tgt Ion:228 Resp:14207998
Ion Ratio Lower Upper
228 100
226 39.9 24.0 36.0#
229 26.4 15.4 23.0#





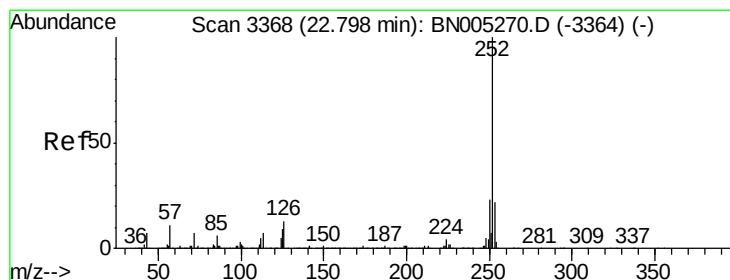
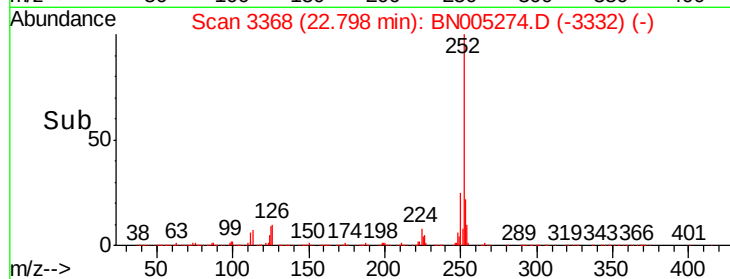
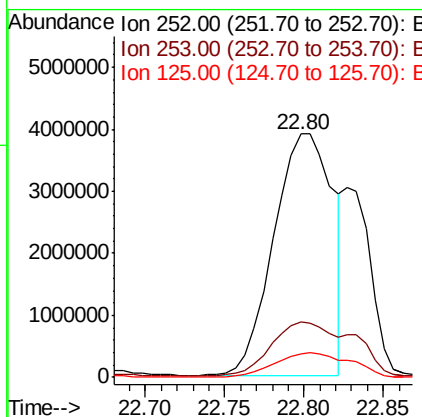
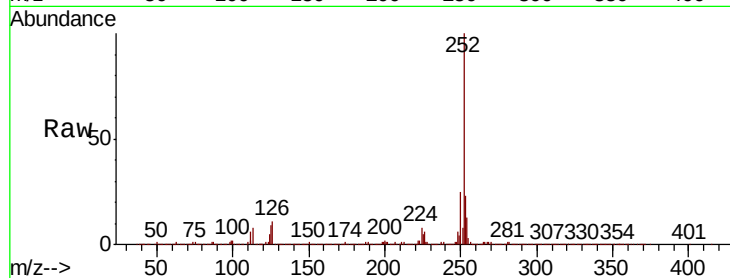
#87
Benzo(b)fluoranthene
Concen: 86.857 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Instrument :
BNA_N
ClientSampled :
GAHQ7

Tot Ion:252 Resp:10103107
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.5 8.4 12.6

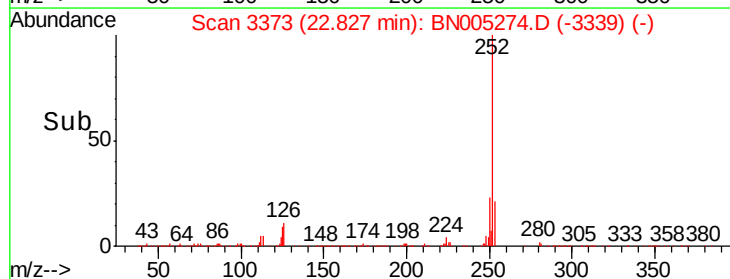
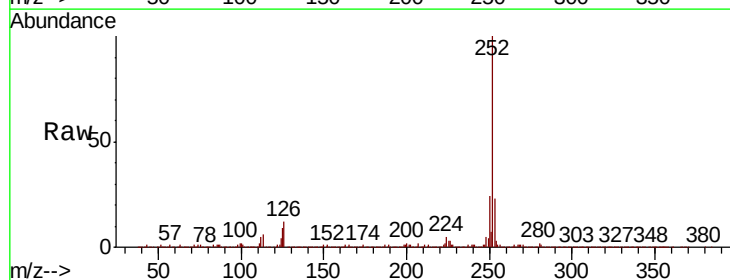
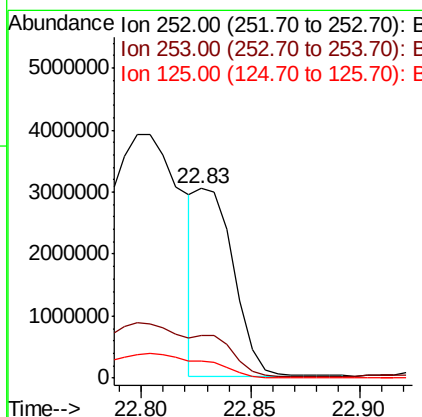
Manual Integrations
APPROVED

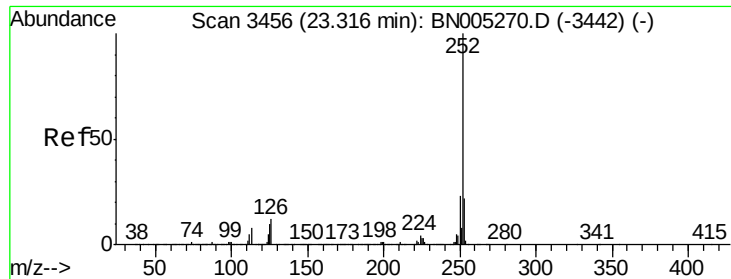
Sohil
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#88
Benzo(k)fluoranthene
Concen: 32.395 ng/ul m
RT: 22.83 min Scan# 3373
Delta R.T. 0.00 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Tgt Ion:252 Resp: 3598827
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.2 7.5 11.3





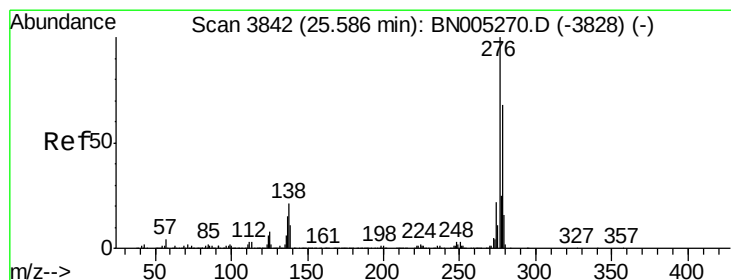
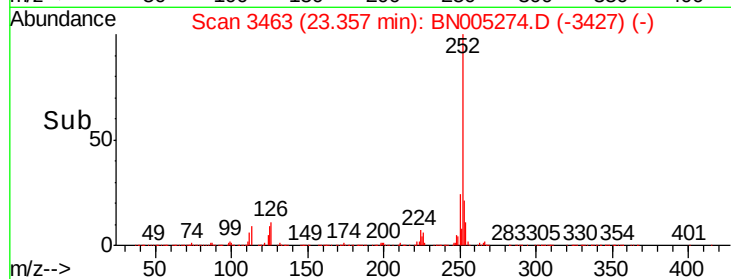
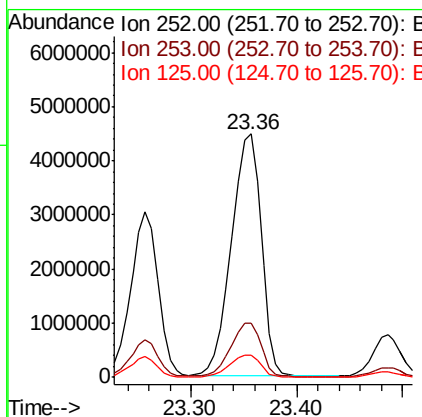
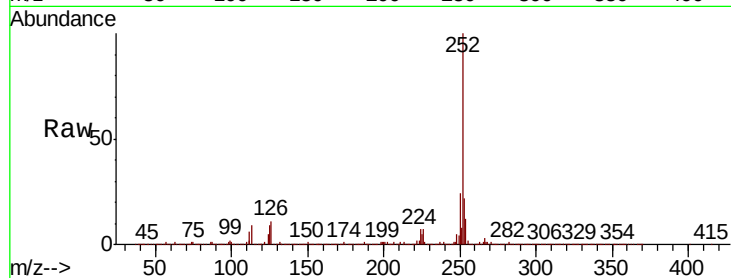
#90
Benzo(a)pyrene
Concen: 79.701 ng/ul
RT: 23.36 min Scan# 3463
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Instrument :
BNA_N
ClientSampleId :
GAHQ7

Tot Ion:252 Resp: 8714088
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 8.9 8.6 13.0

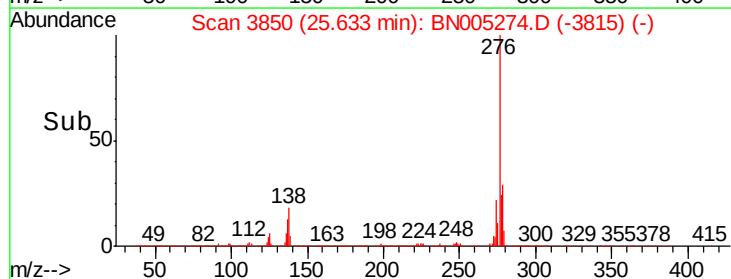
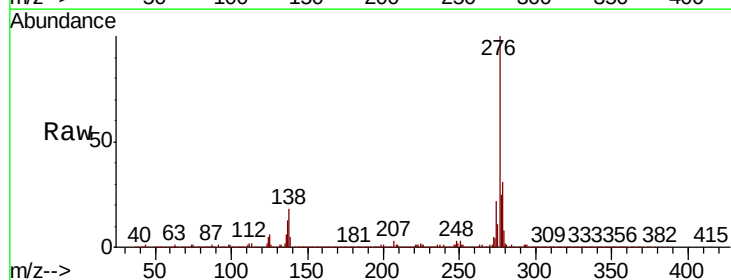
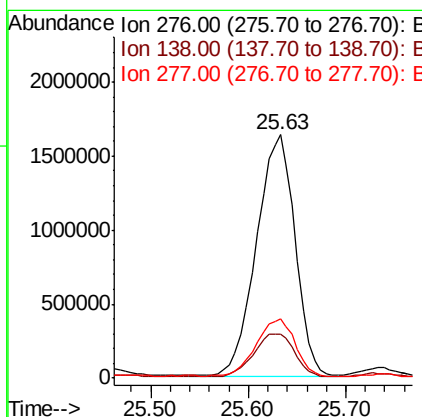
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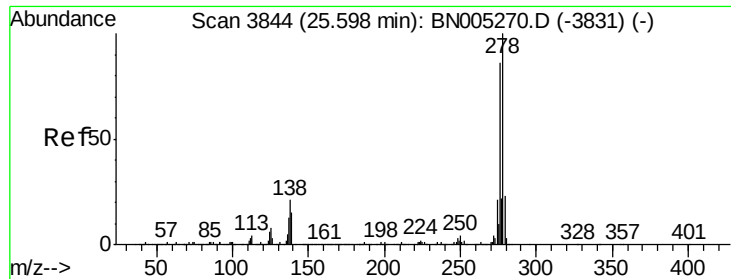
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#91
Indeno(1,2,3-cd)pyrene
Concen: 37.485 ng/ul
RT: 25.63 min Scan# 3850
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Tgt Ion:276 Resp: 4531237
Ion Ratio Lower Upper
276 100
138 18.2 17.9 26.9
277 24.6 19.7 29.5





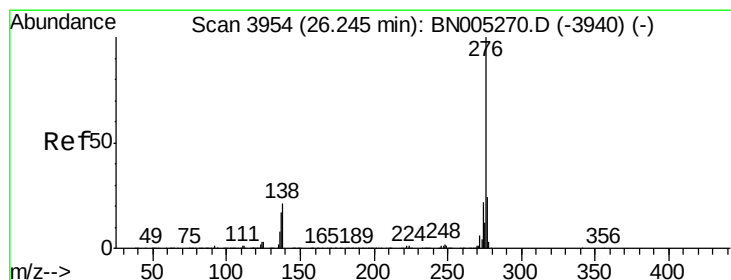
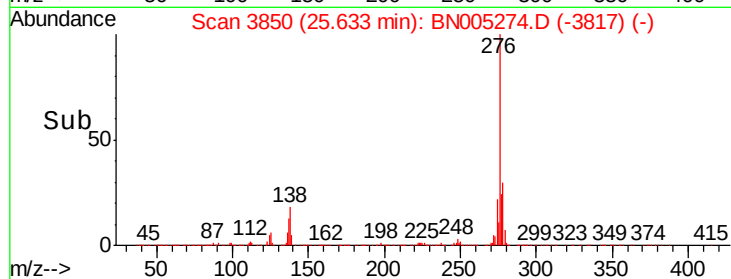
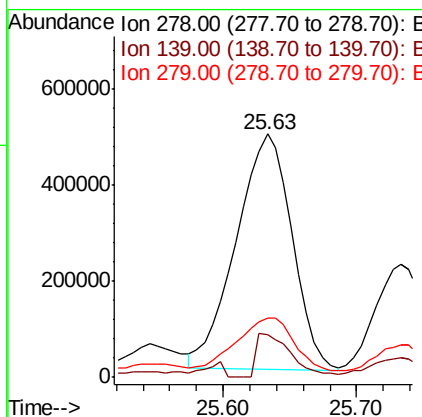
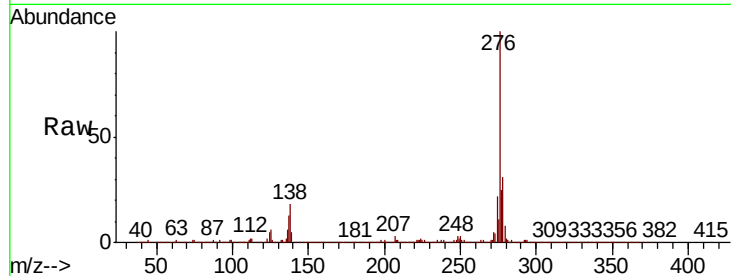
#92
Dibenzo(a,h)anthracene
Concen: 13.892 ng/ul
RT: 25.63 min Scan# 3850
Delta R.T. -0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Instrument :
BNA_N
ClientSampleId :
GAHQ7

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.1	19.7
279	24.6	19.4	29.0

Manual Integrations
APPROVED

Sohil
4/25/2019 5:35:22 PM



#93
Benzo(g,h,i)perylene
Concen: 37.048 ng/ul
RT: 26.30 min Scan# 3963
Delta R.T. 0.01 min
Lab File: BN005274.D
Acq: 25 Apr 2019 05:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.7	25.1
277	24.3	18.2	27.2

