

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005355.D
 Acq On : 29 Apr 2019 17:26
 Operator : JU/SJ
 Sample : K2456-10DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHP8DL

Manual Integrations
 APPROVED

Sohil
 4/30/2019 6:27:36 PM

Quant Time: Apr 30 01:22:04 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	7.59	152	292308	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1212767	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	695679	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.98	188	1510579	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1434392	20.00	ng/ul	-0.02
85) Perylene-d12	23.42	264	1695866	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	5231	0.86	ng/uL	0.00
5) Phenol-d5	6.78	99	83584	3.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	53656	3.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	71976	4.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	67023	3.73	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	36710	4.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	36585	4.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	66466	3.83	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	54231	3.03	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	215992	4.28	ng/ul	-0.01
46) Acenaphthylene-d8	13.92	160	272268	4.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	24688m	3.10	ng/ul	0.01
57) Fluorene-d10	15.22	176	189500	4.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	17938	2.64	ng/ul	0.00
70) Anthracene-d10	17.07	188	285294	4.51	ng/ul	-0.01
78) Pyrene-d10	19.39	212	311279	4.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	315006	4.25	ng/ul	-0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	124029	2.200	ng/ul#	96
34) 2-Methylnaphthalene	12.02	142	485806	11.768	ng/ul	98
47) Acenaphthylene	13.95	152	2022113	33.174	ng/ul	98
49) Acenaphthene	14.29	153	212840	5.115	ng/ul	98
53) Dibenzofuran	14.63	168	103937	1.735	ng/ul	87
58) Fluorene	15.28	166	1073314	22.958	ng/ul	97
69) Phenanthrene	17.02	178	5606366	76.207	ng/ul	99
71) Anthracene	17.11	178	772205	10.304	ng/ul	99
76) Fluoranthene	19.06	202	3588289	43.974	ng/ul	98
79) Pyrene	19.43	202	6595728	71.416	ng/ul	96
82) Benzo(a)anthracene	21.20	228	2568984m	28.789	ng/ul	
84) Chrysene	21.25	228	2503038	30.224	ng/ul	99
87) Benzo(b)fluoranthene	22.77	252	1983679	20.809	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	710519m	7.804	ng/ul	
90) Benzo(a)pyrene	23.32	252	1291011	14.408	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	913712	9.223	ng/ul	96
92) Dibenzo(a,h)anthracene	25.60	278	299092	3.557	ng/ul	98
93) Benzo(g,h,i)perylene	26.26	276	782184	9.549	ng/ul	96

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

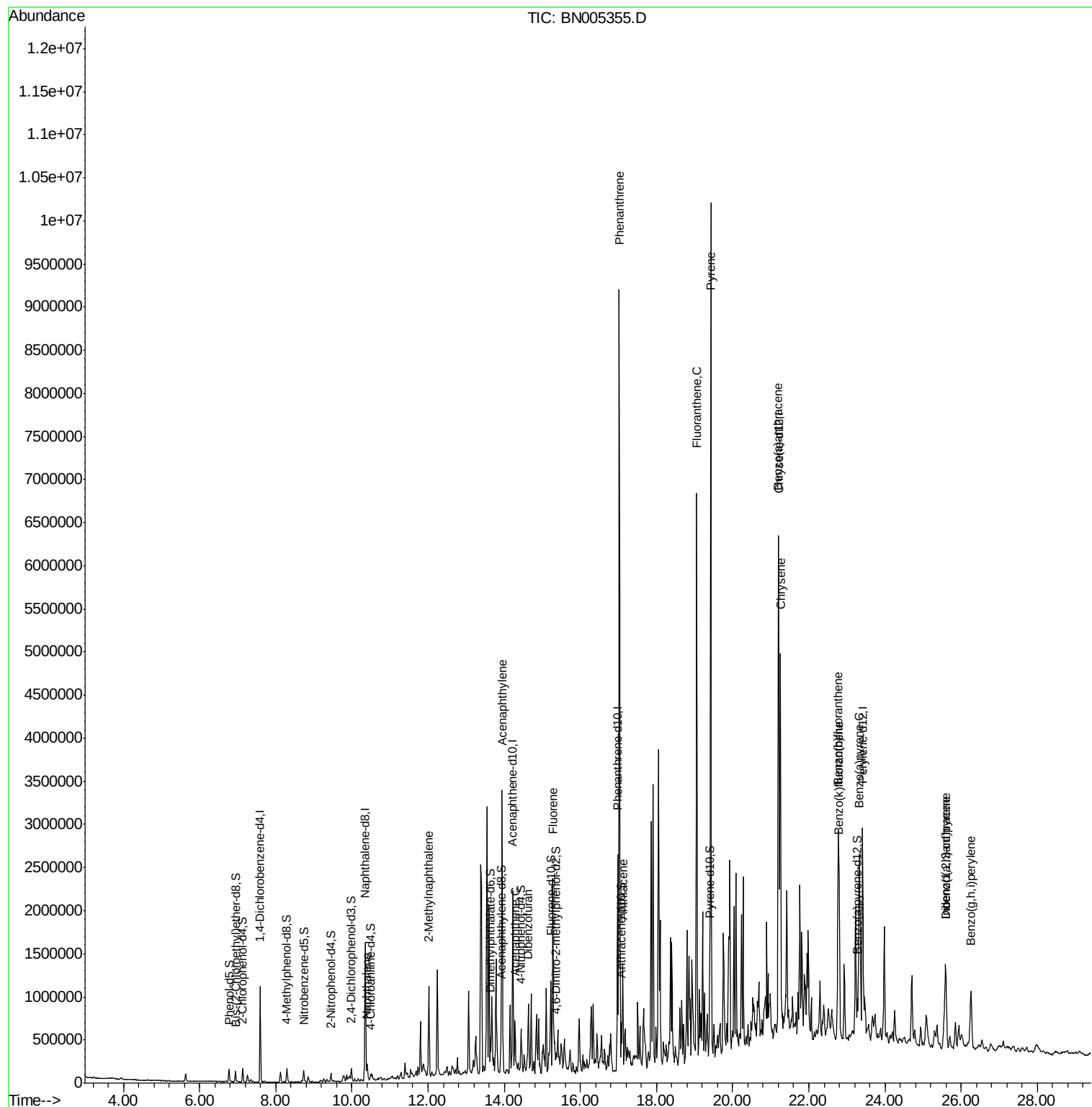
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
Data File : BN005355.D
Acq On : 29 Apr 2019 17:26
Operator : JU/SJ
Sample : K2456-10DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

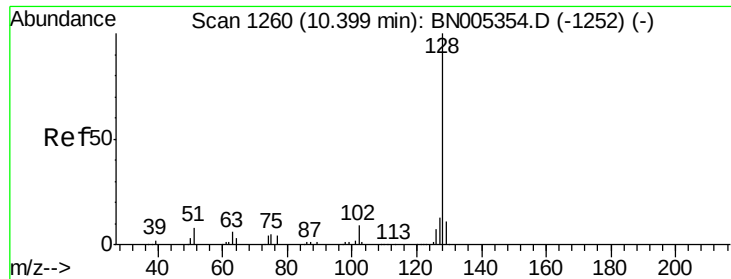
Instrument :
BNA_N
ClientSampleId :
GAHP8DL

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Quant Time: Apr 30 01:22:04 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





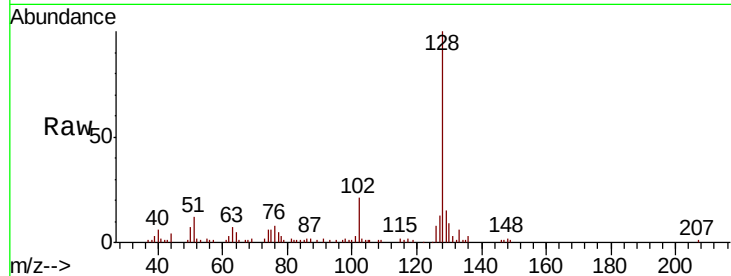
#28
Naphthalene
Concen: 2.200 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GAHP8DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.2	13.8#
127	12.8	10.7	16.1

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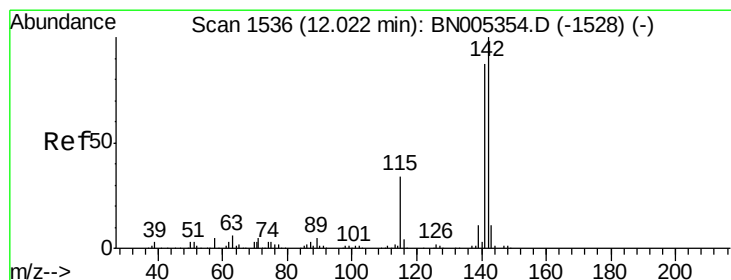
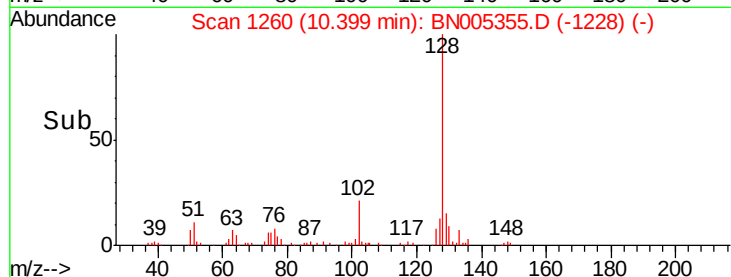
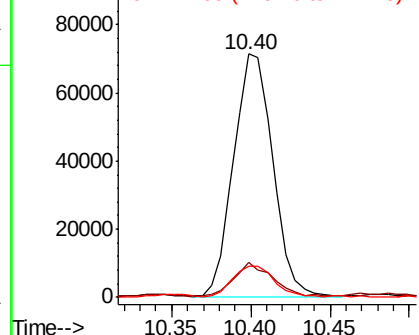


Abundance

Ion 128.00 (127.70 to 128.70): E

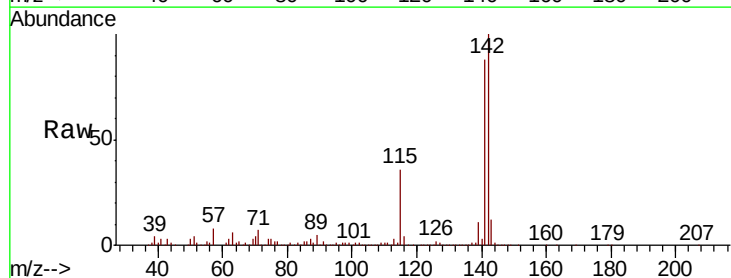
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 11.768 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

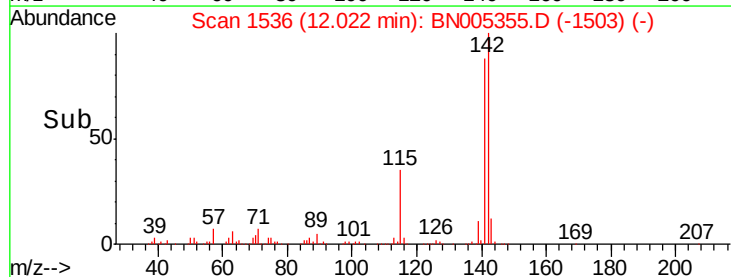
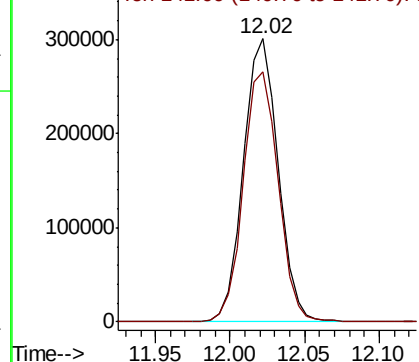
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.0	108.0

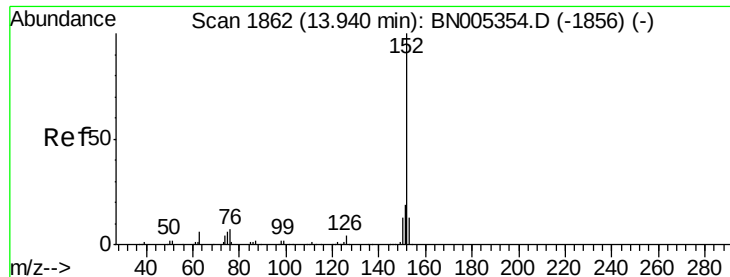


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#47

Acenaphthylene

Concen: 33.174 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampled :

GAHP8DL

Tot Ion:152 Resp: 2022113

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

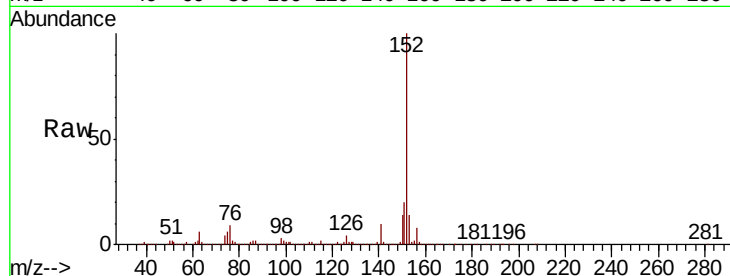
153 13.9 9.8 14.8

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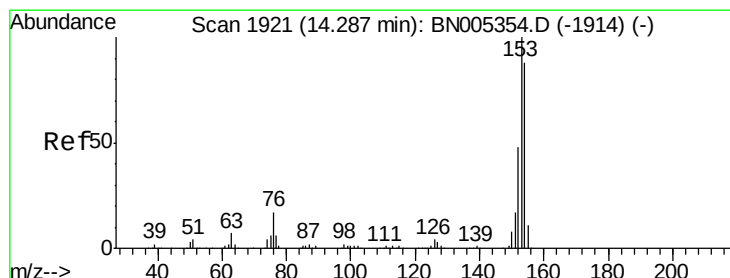
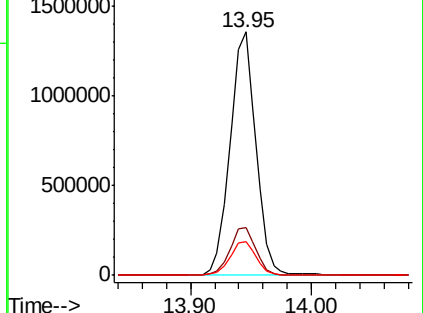
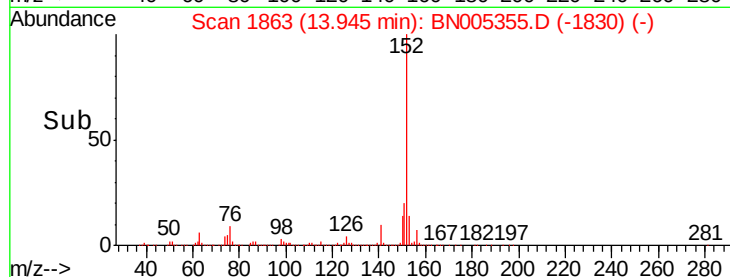
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 5.115 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

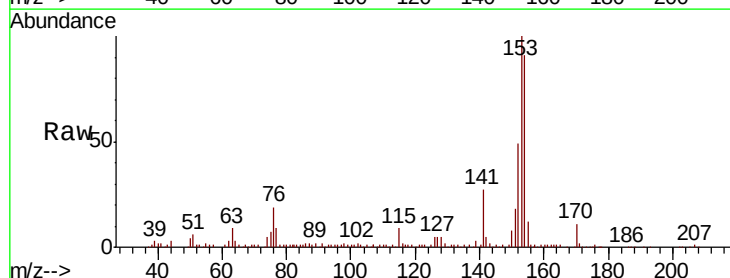
Tgt Ion:153 Resp: 212840

Ion Ratio Lower Upper

153 100

152 48.8 37.4 56.0

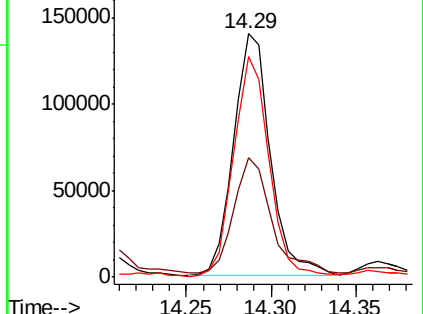
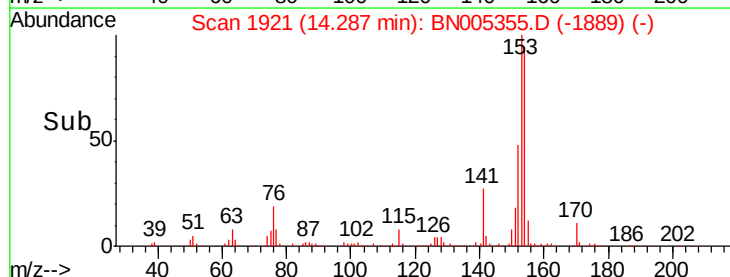
154 90.8 71.2 106.8

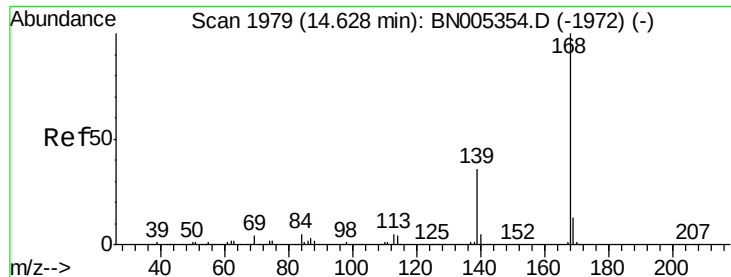


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





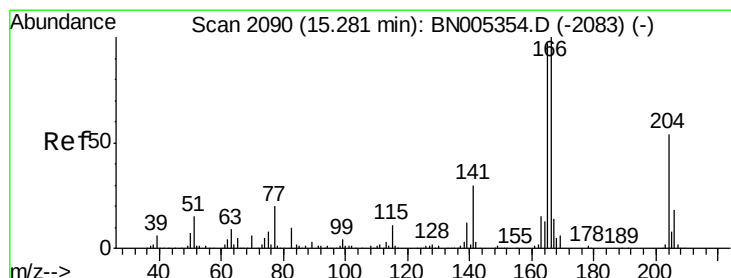
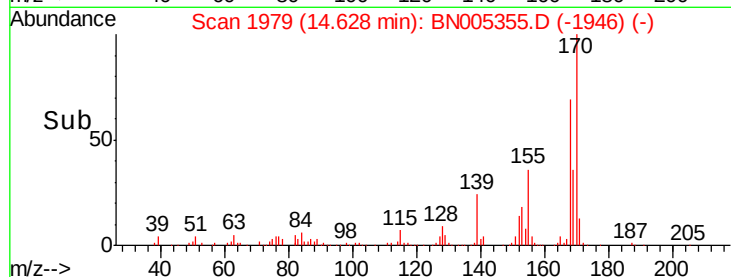
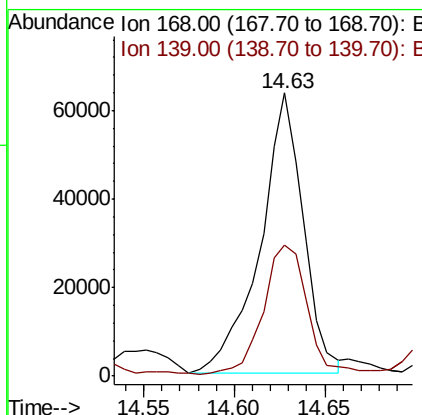
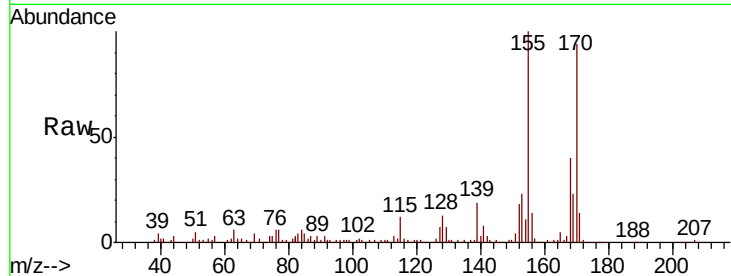
#53
Dibenzenofuran
Concen: 1.735 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GAHP8DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	46.3	30.9	46.3

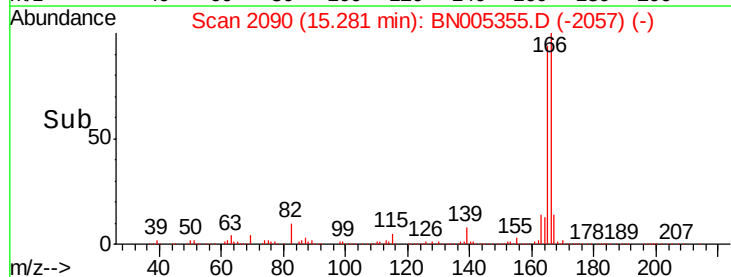
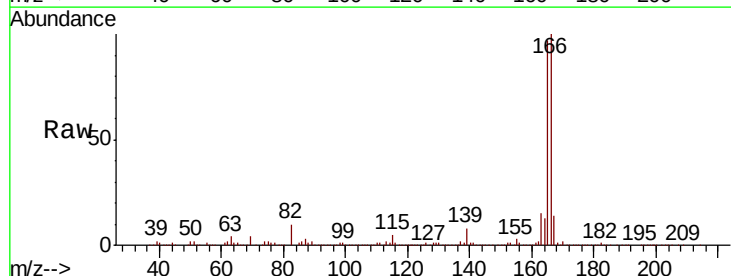
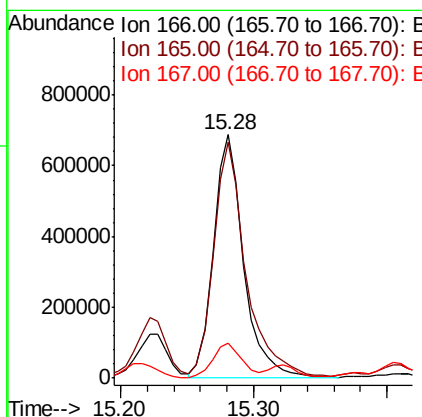
Manual Integrations
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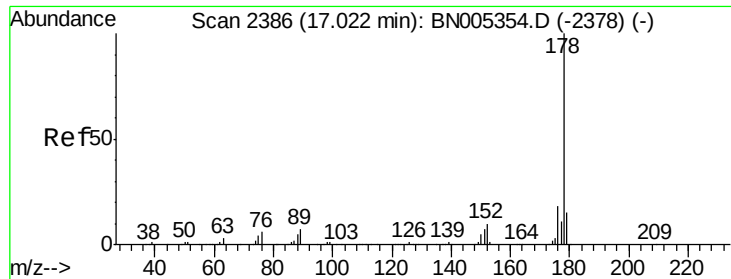
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#58
Fluorene
Concen: 22.958 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	80.0	120.0
167	14.1	10.7	16.1





#69

Phenanthrene

Concen: 76.207 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

ClientSampled :

GAHP8DL

Tot Ion:178 Resp: 5606366

Ion Ratio Lower Upper

178 100

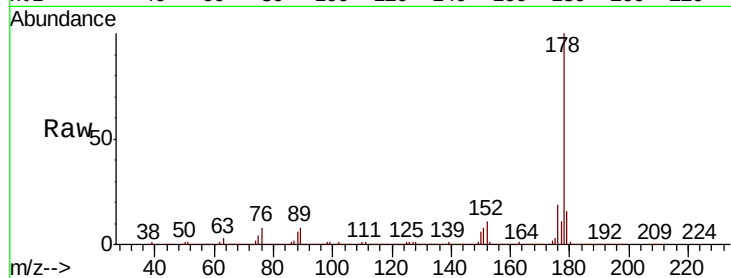
179 16.1 12.2 18.4

176 19.3 15.1 22.7

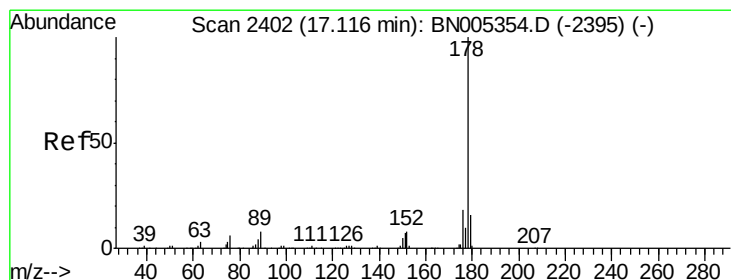
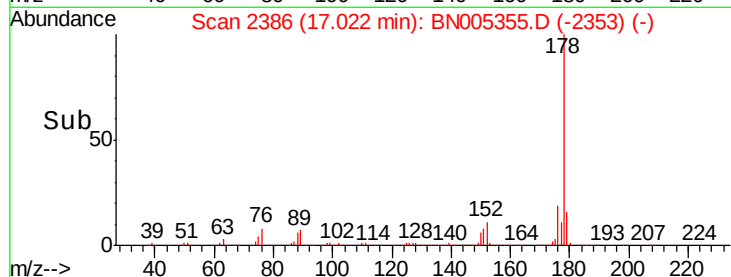
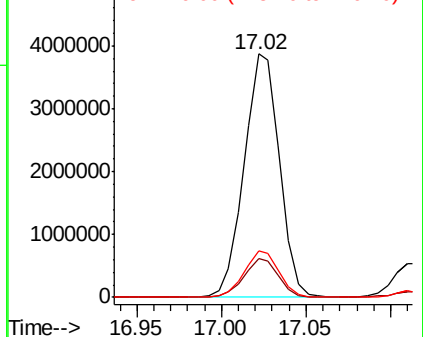
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 10.304 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

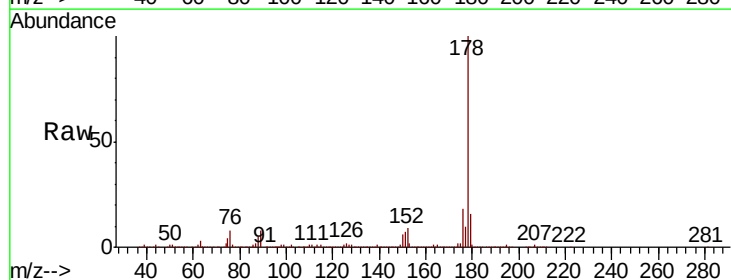
Tgt Ion:178 Resp: 772205

Ion Ratio Lower Upper

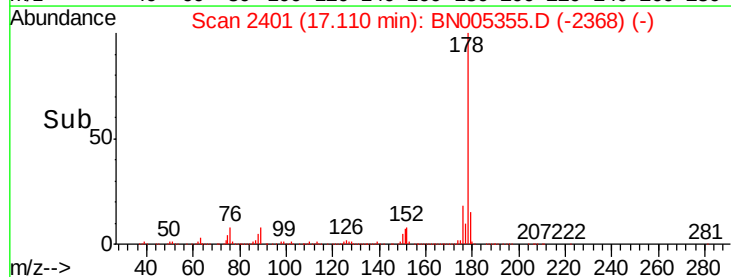
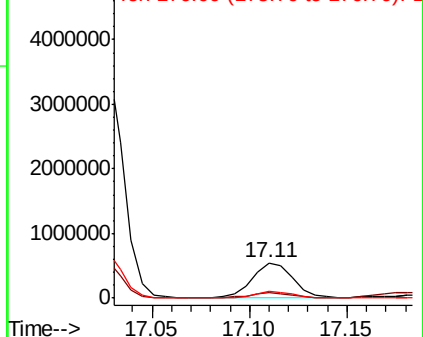
178 100

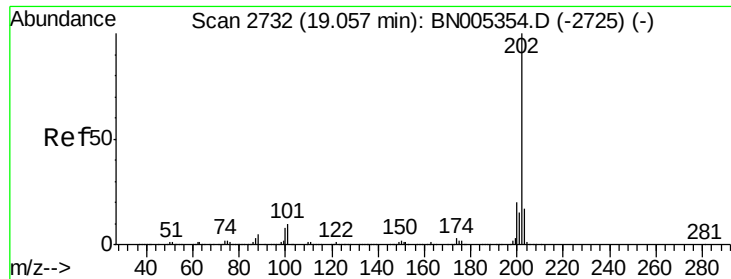
179 15.8 12.3 18.5

176 18.4 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





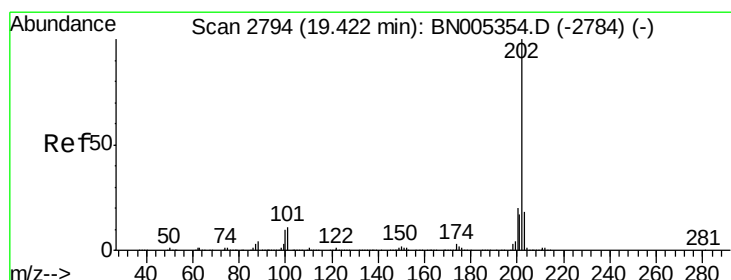
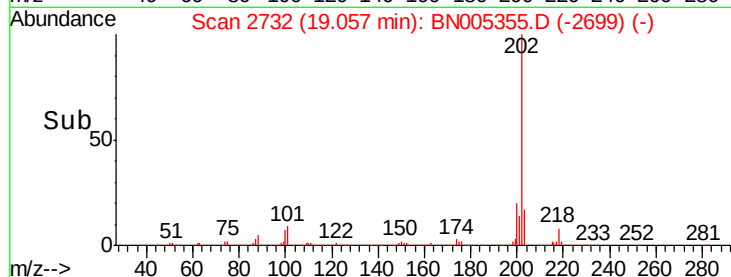
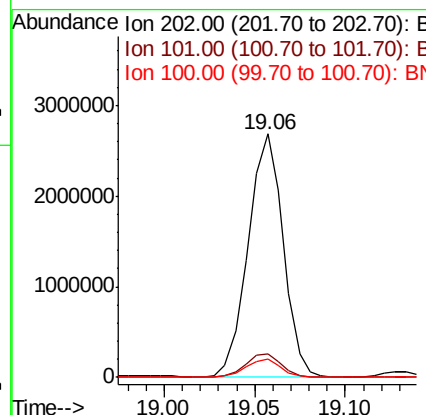
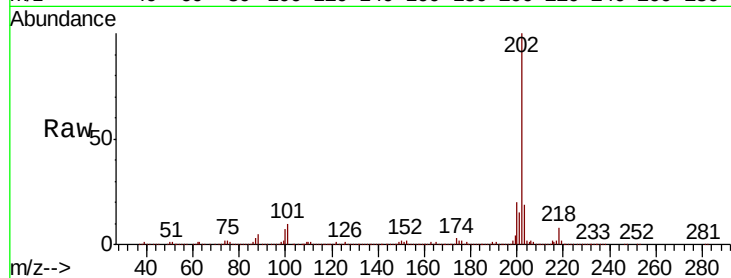
#76
Fluoranthene
Concen: 43.974 ng/ul
RT: 19.06 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GAHP8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.6	12.8
100	7.4	6.3	9.5

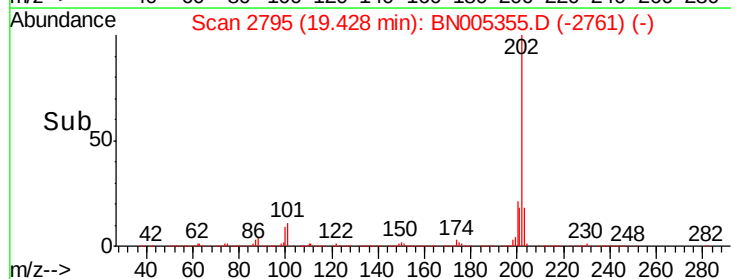
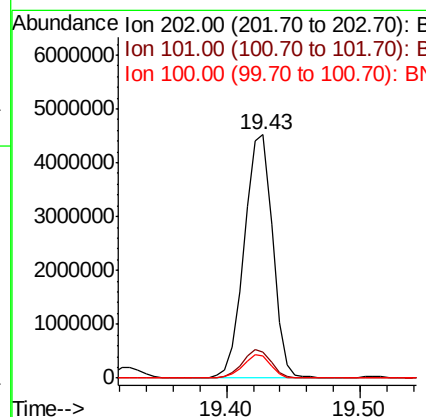
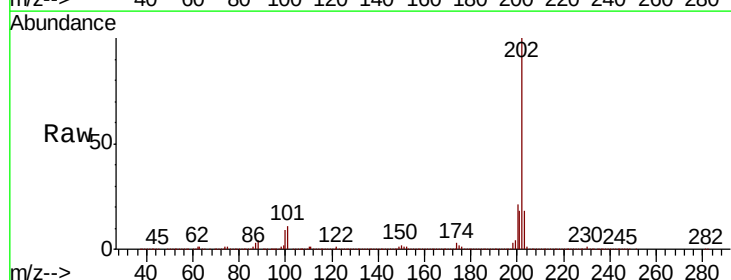
Manual Integrations
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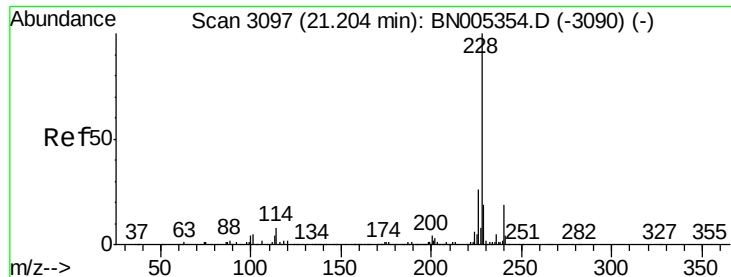
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#79
Pyrene
Concen: 71.416 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	10.3	15.5
100	8.9	7.9	11.9





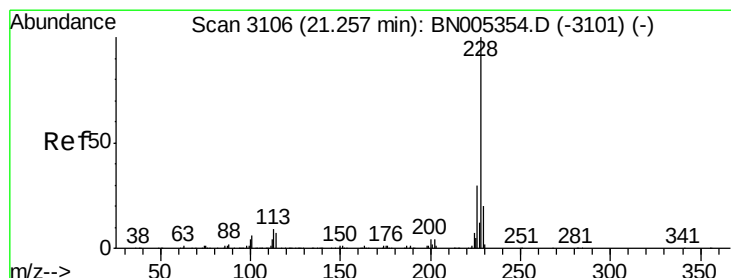
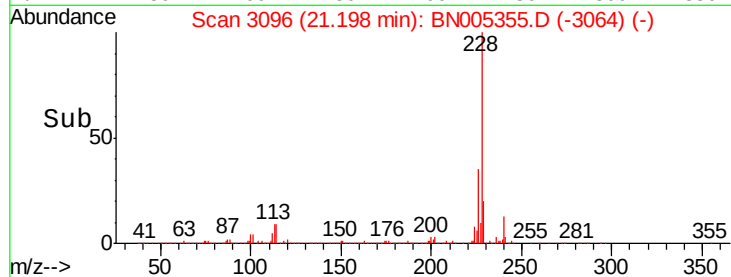
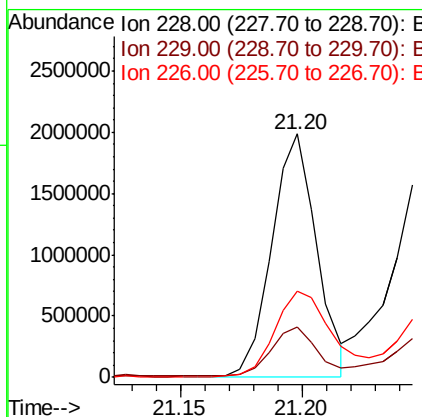
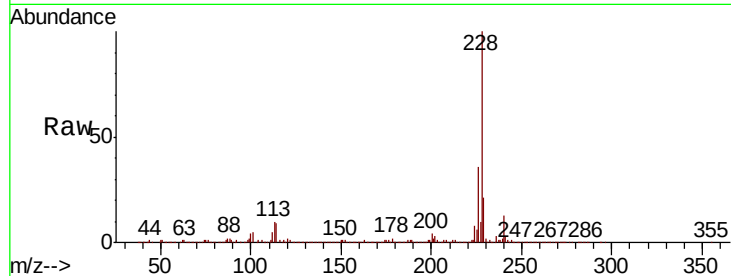
#82
Benzo(a)anthracene
Concen: 28.789 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampled :
GAHP8DL

Tot Ion:228 Resp: 2568984
Ion Ratio Lower Upper
228 100
229 20.6 15.8 23.6
226 35.7 21.4 32.2#

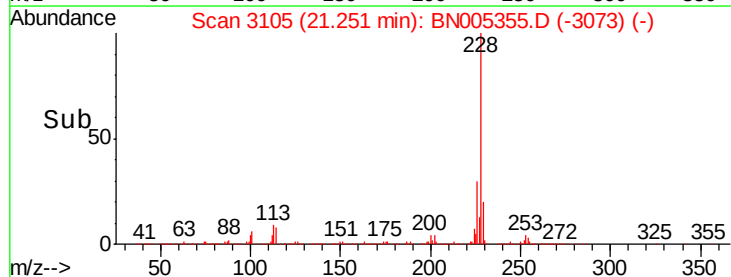
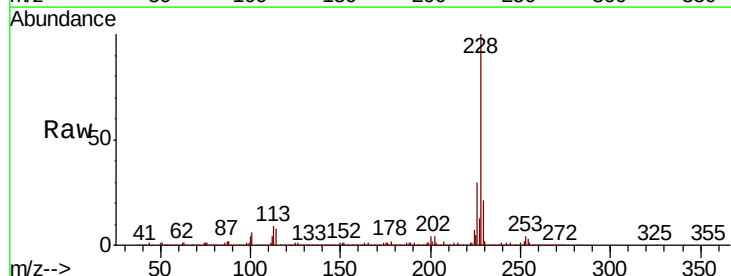
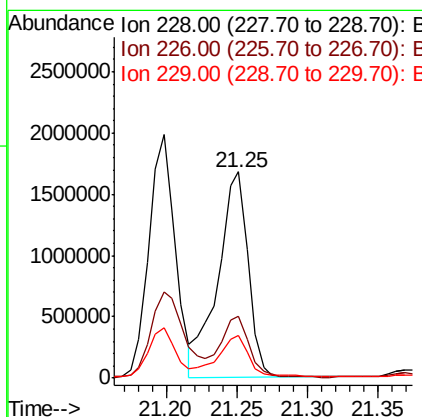
Manual Integrations
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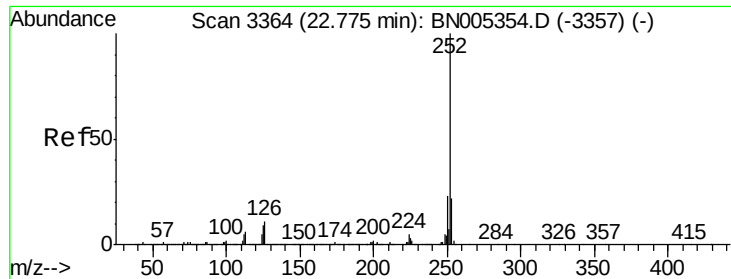
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#84
Chrysene
Concen: 30.224 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion:228 Resp: 2503038
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 20.6 15.4 23.0





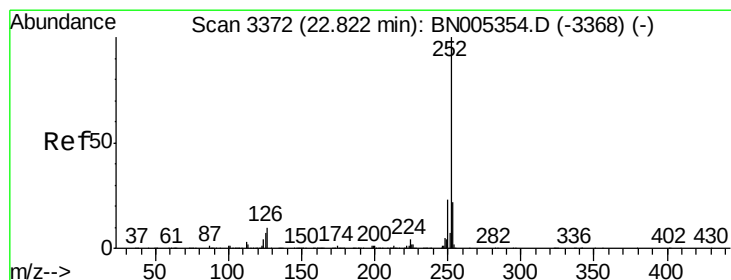
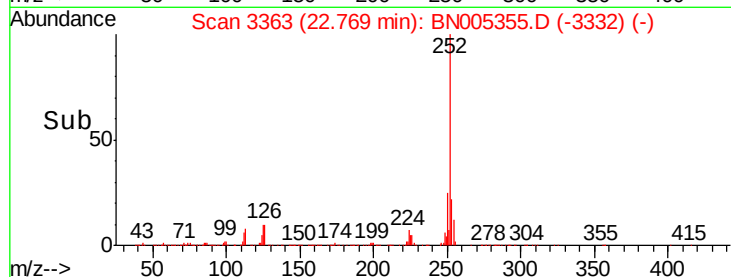
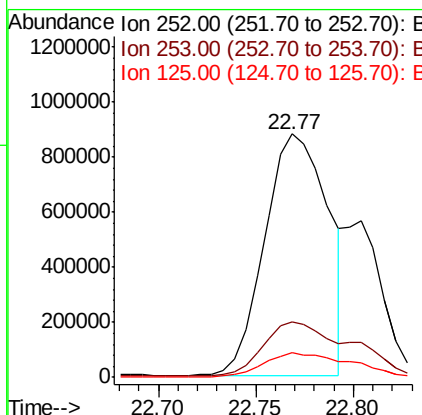
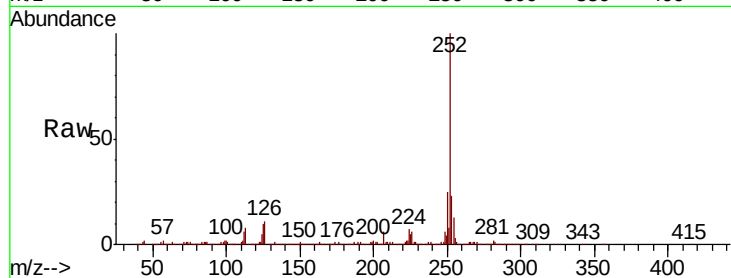
#87
Benzo(b)fluoranthene
Concen: 20.809 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. -0.02 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampled :
GAHP8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.0	8.4	12.6

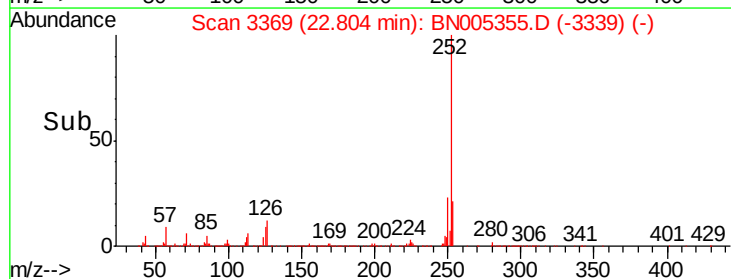
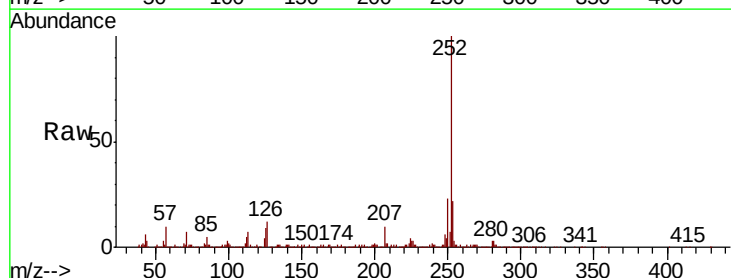
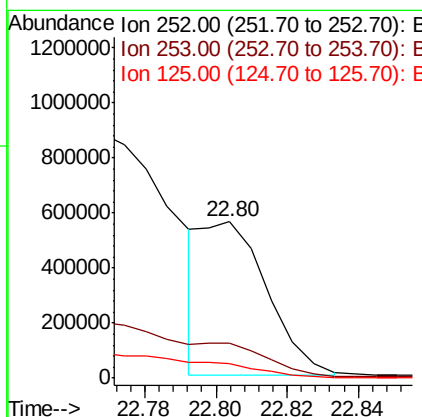
Manual Integrations
APPROVED

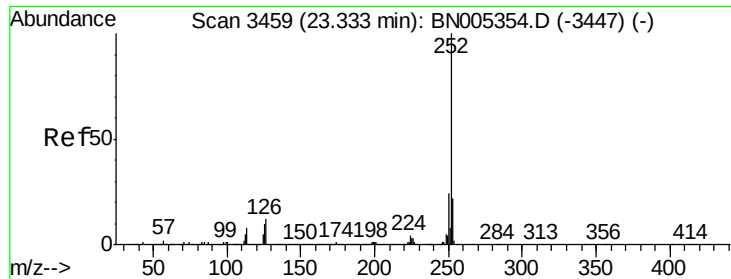
Sohil
4/30/2019 6:27:36 PM



#88
Benzo(k)fluoranthene
Concen: 7.804 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.02 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	8.9	7.5	11.3





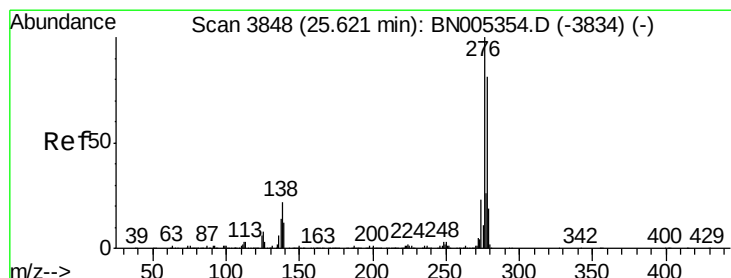
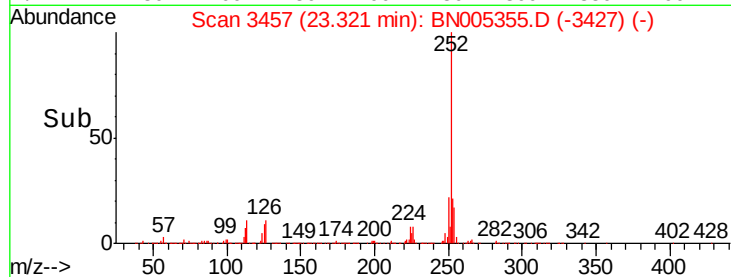
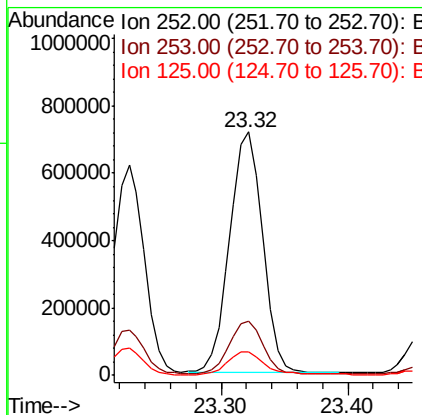
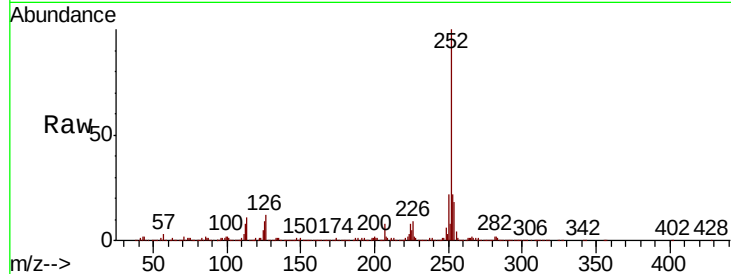
#90
Benzo(a)pyrene
Concen: 14.408 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. -0.02 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Instrument :
BNA_N
ClientSampled :
GAHP8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	9.5	8.6	13.0

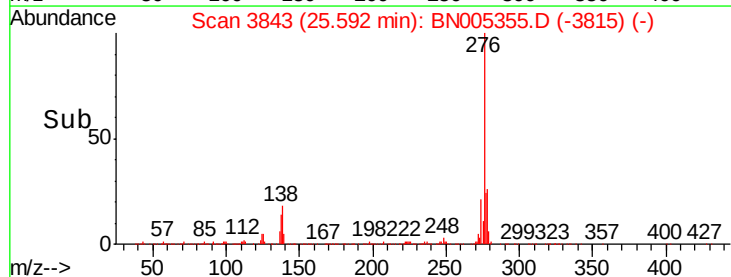
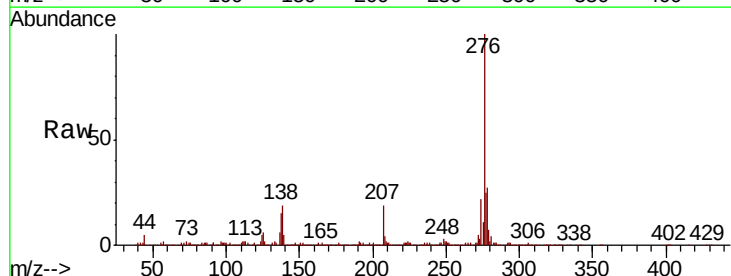
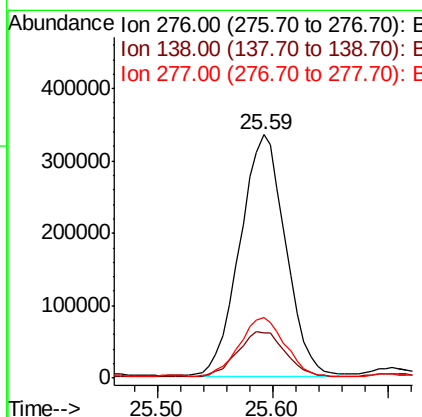
Manual Integrations
APPROVED

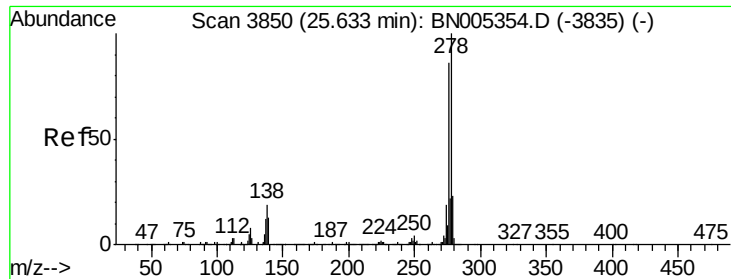
Sohil
4/30/2019 6:27:36 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 9.223 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.03 min
Lab File: BN005355.D
Acq: 29 Apr 2019 17:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.9	26.9
277	24.7	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 3.557 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. -0.04 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Instrument :

BNA_N

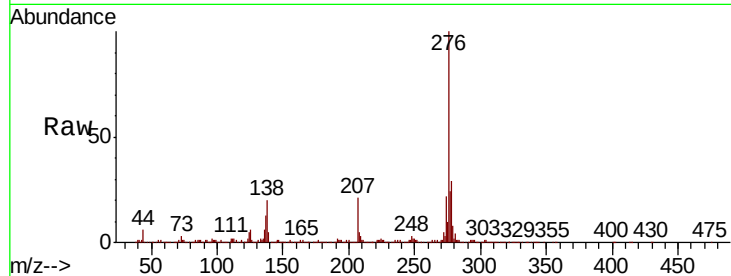
ClientSampleId :

GAHP8DL

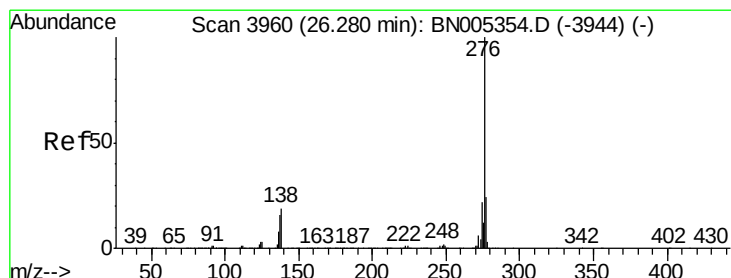
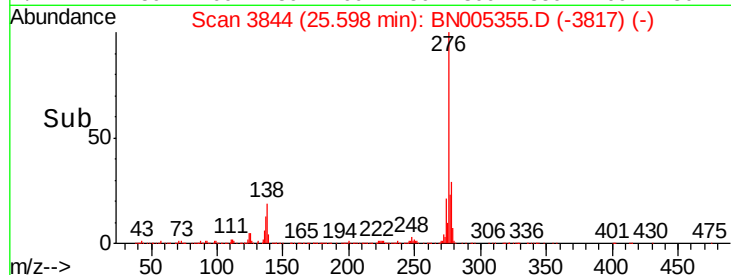
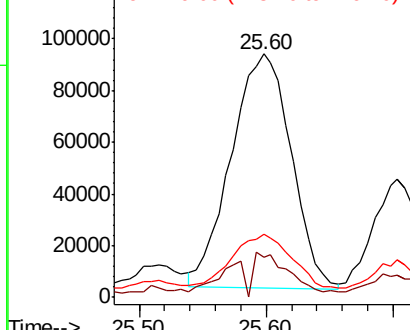
Tot Ion:	278	Resp:	299092
Ion Ratio	Lower	Upper	
278	100		
139	16.5	13.1	19.7
279	26.0	19.4	29.0

Manual Integrations
APPROVED

Sohil
4/30/2019 6:27:36 PM



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: 9.549 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. -0.03 min

Lab File: BN005355.D

Acq: 29 Apr 2019 17:26

Tgt Ion:	276	Resp:	782184
Ion Ratio	Lower	Upper	
276	100		
138	18.9	16.7	25.1
277	24.7	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

