

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
 Data File : BN005339.D
 Acq On : 27 Apr 2019 04:33
 Operator : JU/SJ
 Sample : K2497-02 30X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAHX8

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:44:07 PM

Quant Time: Apr 27 05:26:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	391956	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1686327	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1021938	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2312292	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	1611326	20.00	ng/ul	0.01
85) Perylene-d12	23.43	264	1726859	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	950m	0.12	ng/uL	0.01
5) Phenol-d5	6.78	99	36689	1.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	20854	1.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	29690	1.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	30981	1.29	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	14331	1.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	14700	1.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	29655	1.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	11045	0.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	100349	1.35	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	123191	1.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	15887	1.36	ng/ul	0.00
57) Fluorene-d10	15.22	176	92471	1.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	7630	0.73	ng/ul	0.00
70) Anthracene-d10	17.08	188	140738	1.45	ng/ul	0.00
78) Pyrene-d10	19.40	212	138720	1.68	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	92238	1.22	ng/ul	0.01

Target Compounds

					Qvalue	
47) Acenaphthylene	13.95	152	3040862	33.960	ng/ul	99
49) Acenaphthene	14.29	153	141430	2.314	ng/ul	95
53) Dibenzofuran	14.63	168	111162	1.263	ng/ul	96
58) Fluorene	15.28	166	425464	6.195	ng/ul#	98
69) Phenanthrene	17.03	178	9312179	82.692	ng/ul	98
71) Anthracene	17.12	178	4492122	39.158	ng/ul	99
74) Carbazole	17.39	167	598140	6.070	ng/ul	95
76) Fluoranthene	19.07	202	19657357m	157.374	ng/ul	
79) Pyrene	19.43	202	19308362m	186.108	ng/ul	
82) Benzo(a)anthracene	21.21	228	14719948	146.845	ng/ul#	82
84) Chrysene	21.26	228	11431978	122.881	ng/ul#	93
87) Benzo(b)fluoranthene	22.79	252	12611697	129.922	ng/ul	97
88) Benzo(k)fluoranthene	22.82	252	4696364	50.657	ng/ul	96
90) Benzo(a)pyrene	23.34	252	9749443	106.852	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.62	276	4885132	48.426	ng/ul	98
92) Dibenzo(a,h)anthracene	25.62	278	1578618	18.439	ng/ul	92
93) Benzo(g,h,i)perylene	26.29	276	3425187	41.063	ng/ul	96

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

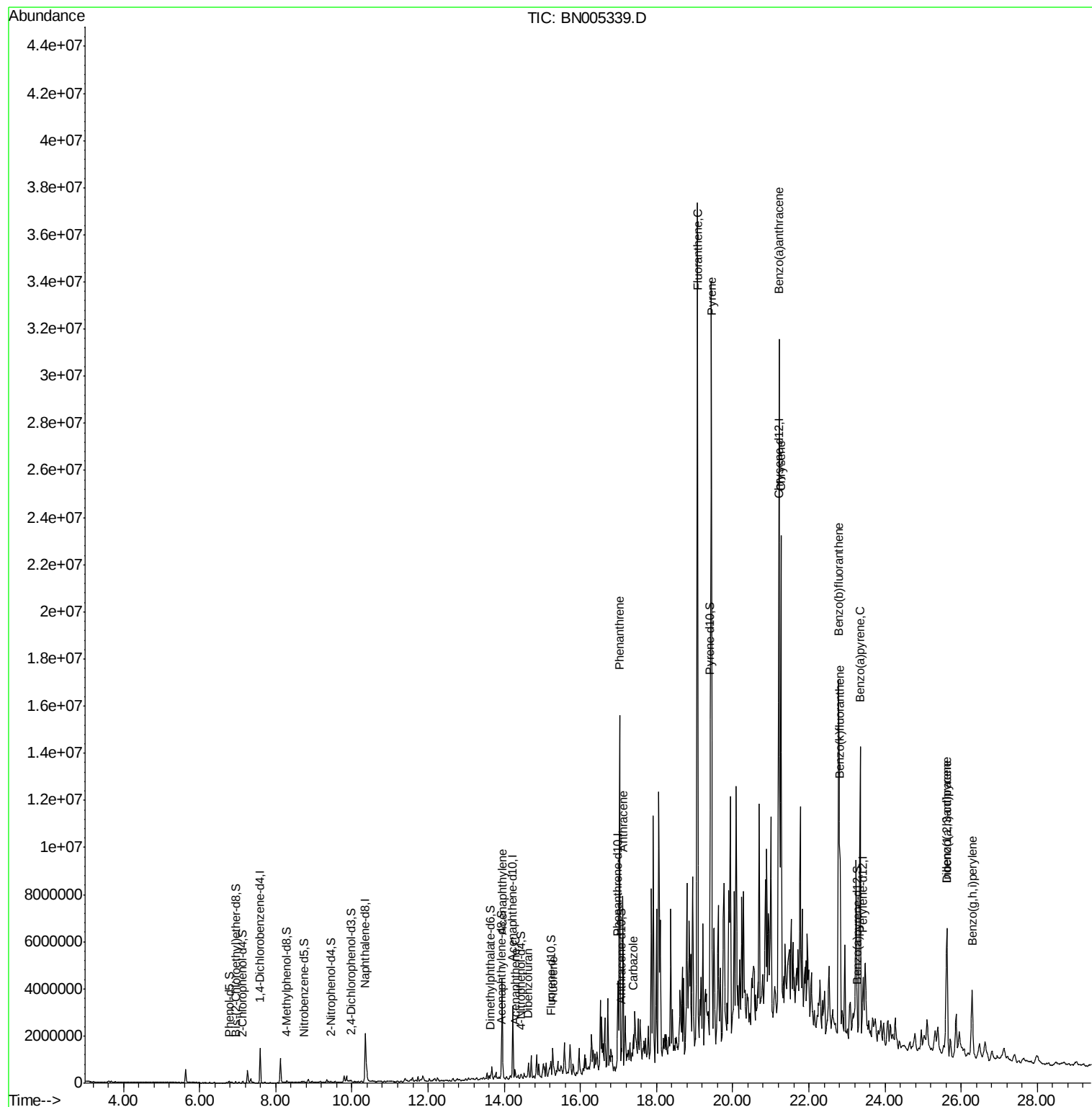
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005339.D
Acq On : 27 Apr 2019 04:33
Operator : JU/SJ
Sample : K2497-02 30X
Misc :
ALS Vial : 22 Sample Multiplier: 1

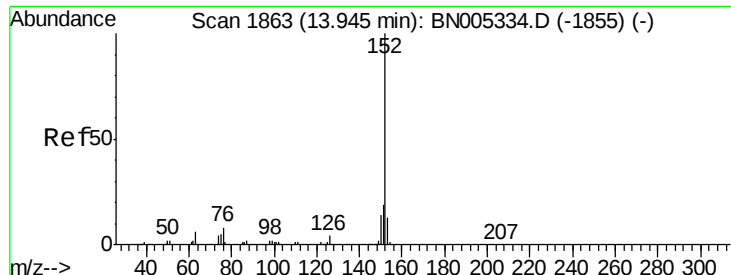
Instrument :
BNA_N
ClientSampleId :
GAHX8

Quant Time: Apr 27 05:26:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 26 23:54:49 2019
Response via : Initial Calibration

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#47

Acenaphthylene

Concen: 33.960 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Instrument :

BNA_N

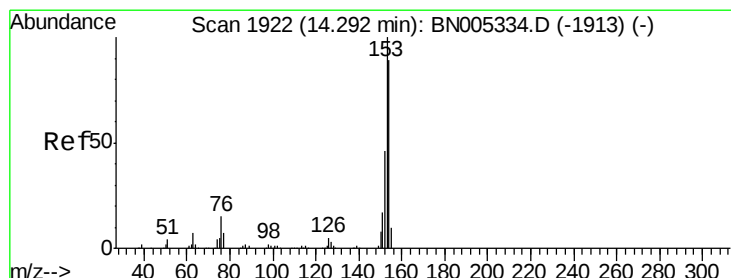
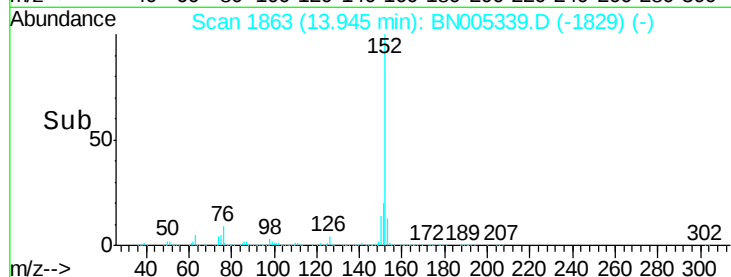
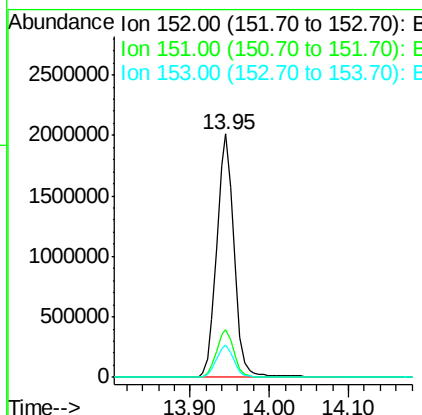
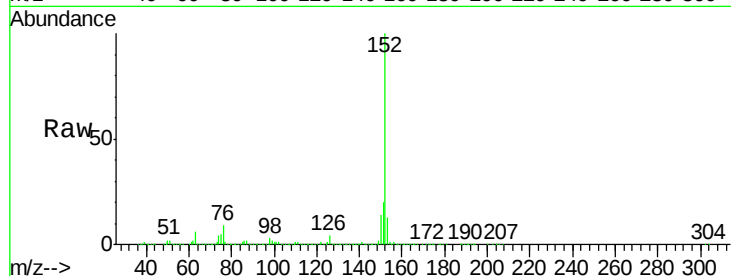
ClientSampled :

GAHX8

Tgt Ion:	152	Resp:	3040862
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.3	9.8	14.8

Manual Integrations
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#49

Acenaphthene

Concen: 2.314 ng/ul

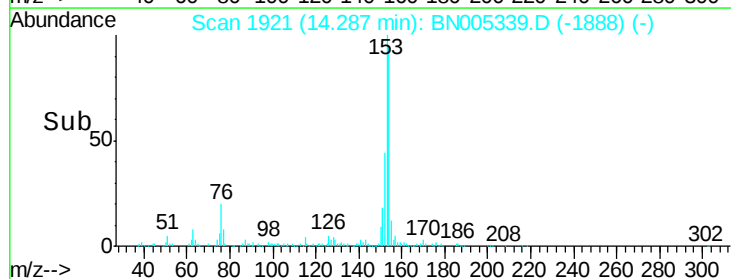
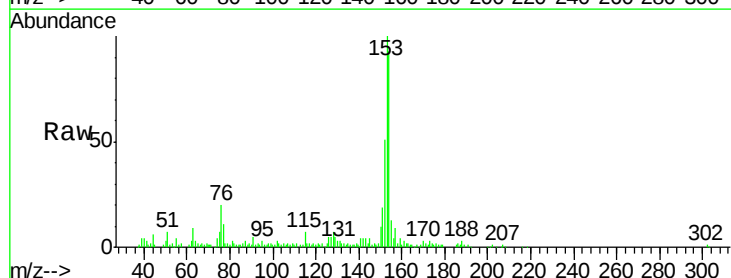
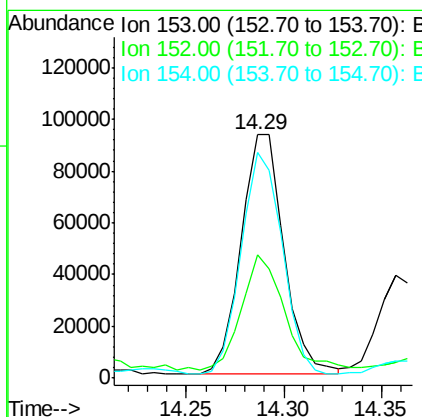
RT: 14.29 min Scan# 1921

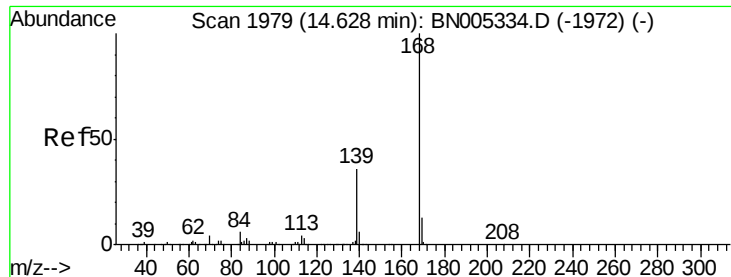
Delta R.T. -0.01 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Tgt Ion:	153	Resp:	141430
Ion	Ratio	Lower	Upper
153	100		
152	50.6	37.4	56.0
154	92.7	71.2	106.8





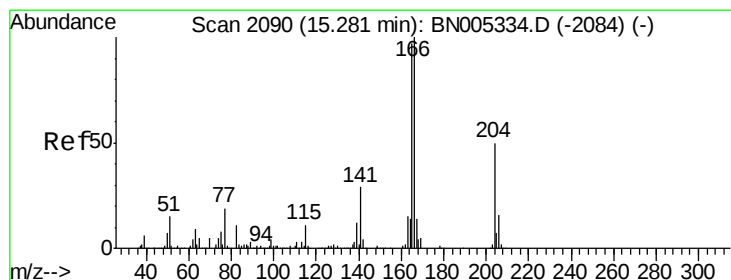
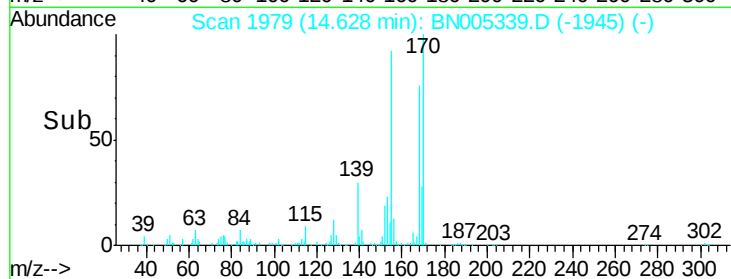
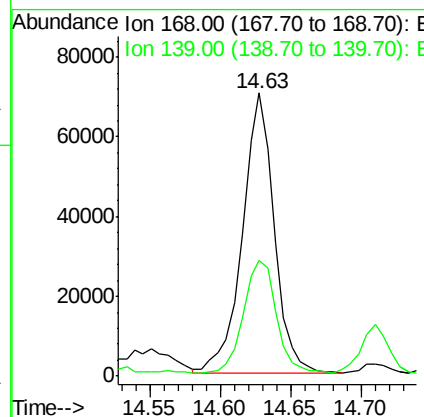
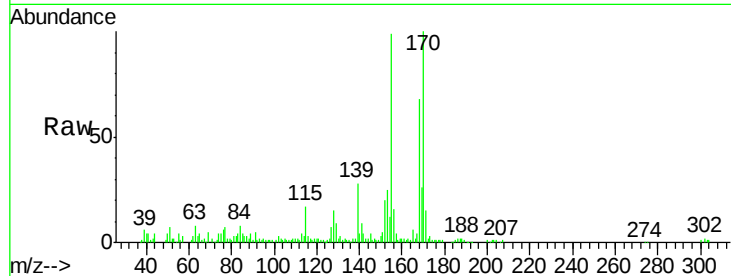
#53
Dibenzenofuran
Concen: 1.263 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. 0.00 min
Lab File: BN005339.D
Acq: 27 Apr 2019 04:33

Instrument :
BNA_N
ClientSampleId :
GAHX8

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.9	30.9	46.3

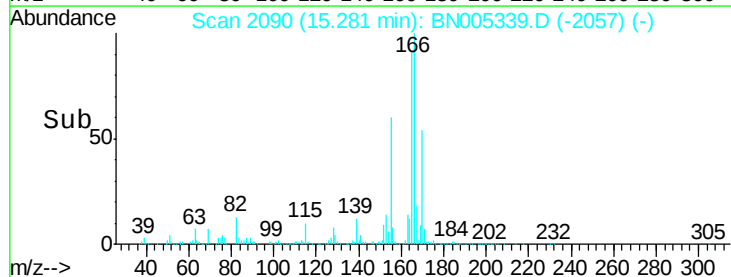
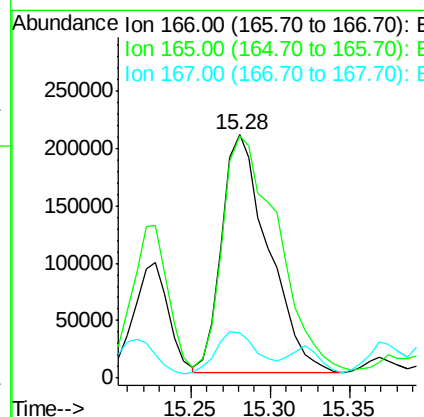
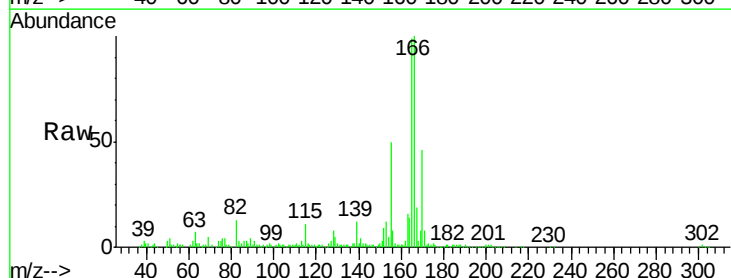
Manual Integrations
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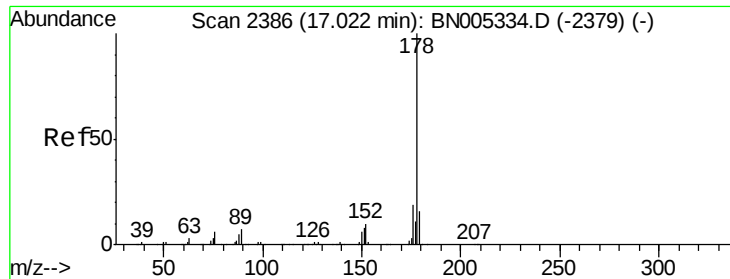
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#58
Fluorene
Concen: 6.195 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BN005339.D
Acq: 27 Apr 2019 04:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.0	120.0
167	18.7	10.7	16.1#





#69

Phenanthrene

Concen: 82.692 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Instrument :

BNA_N

ClientSampleId :

GAHX8

Tgt Ion:178 Resp: 9312179

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.4

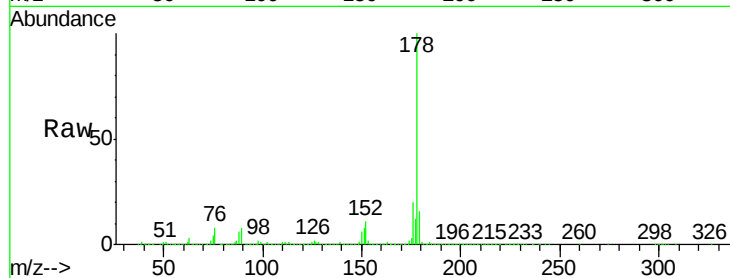
176 19.6 15.1 22.7

Manual Integrations

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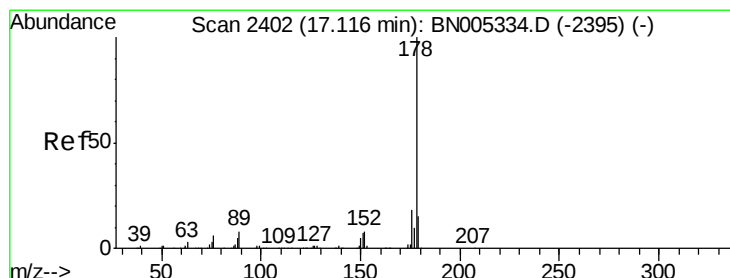
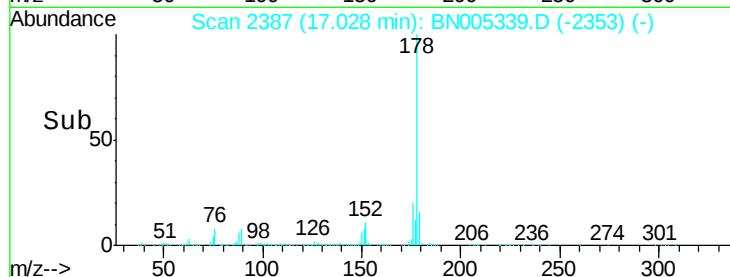
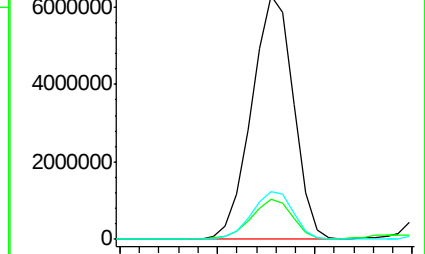
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 39.158 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

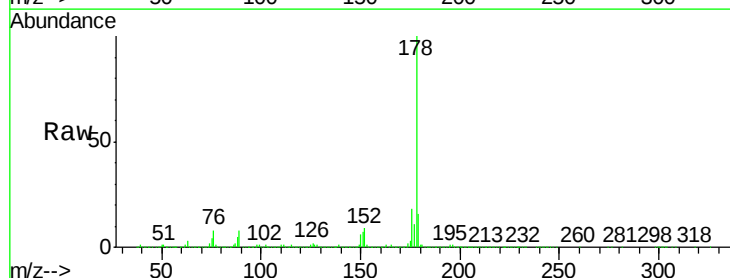
Tgt Ion:178 Resp: 4492122

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

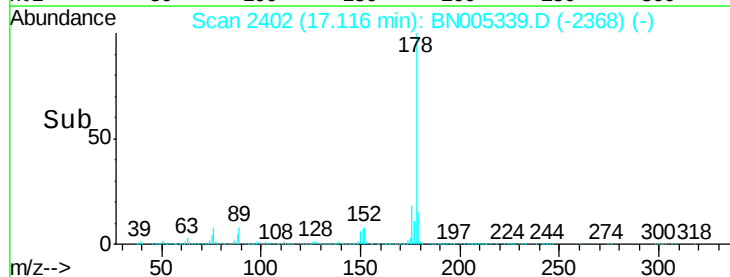
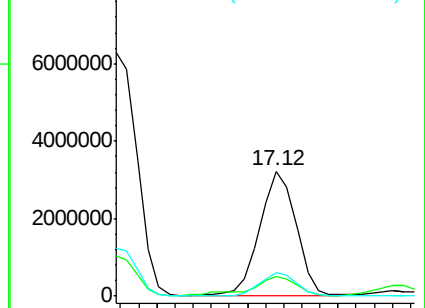
176 18.4 15.1 22.7

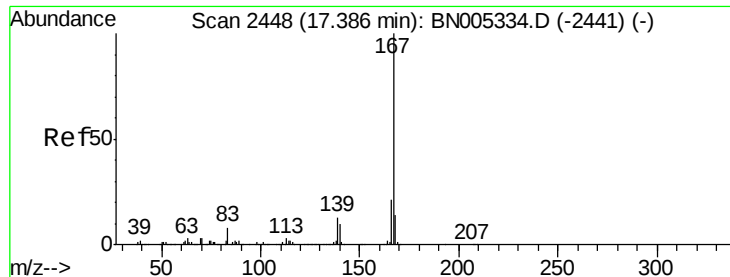


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 6.070 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Instrument :

BNA_N

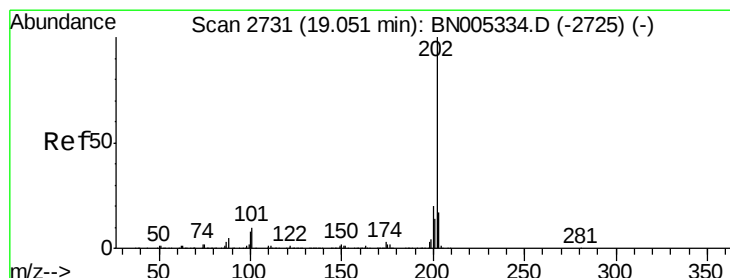
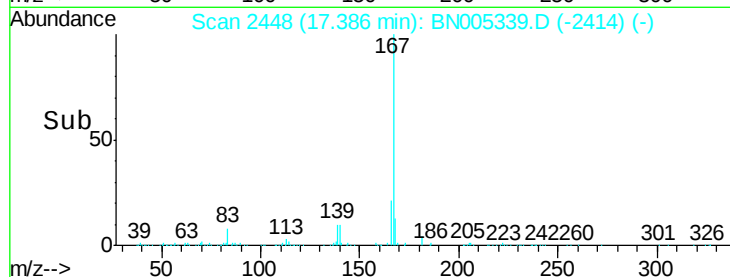
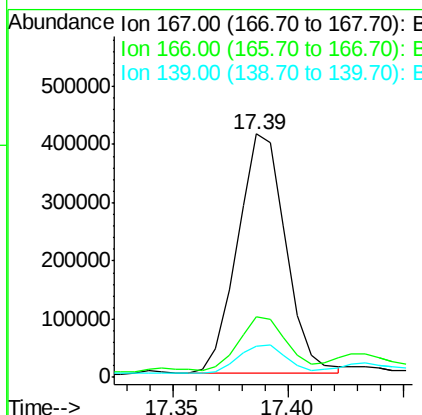
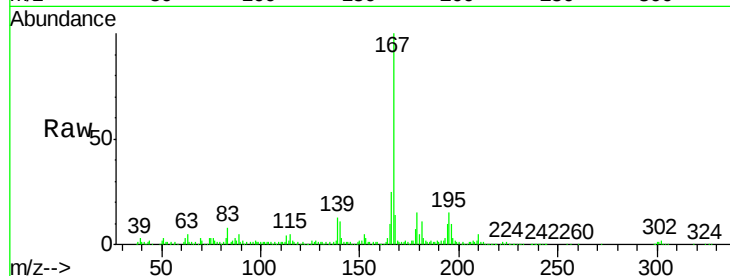
ClientSampled :

GAHX8

Tgt Ion:	167	Resp:	598140
Ion Ratio		Lower	Upper
167	100		
166	25.1	17.2	25.8
139	13.0	10.6	16.0

Manual Integrations
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#76

Fluoranthene

Concen: 157.374 ng/ul m

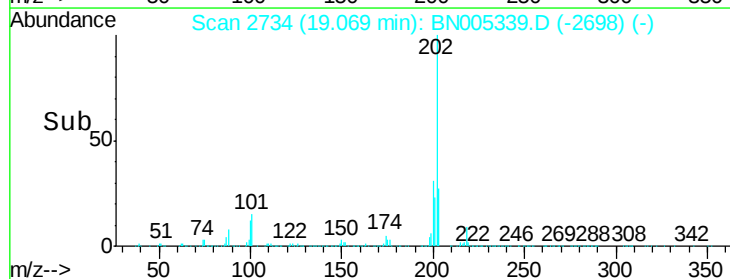
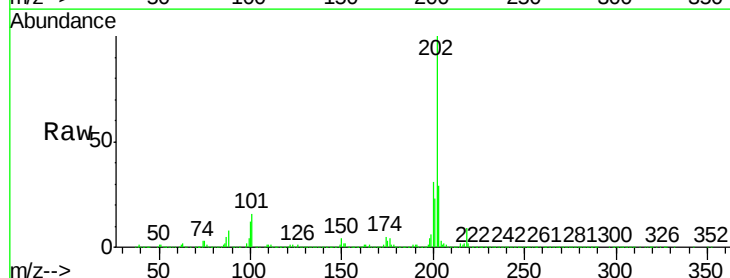
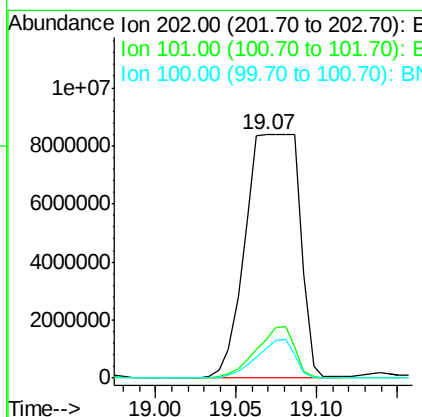
RT: 19.07 min Scan# 2734

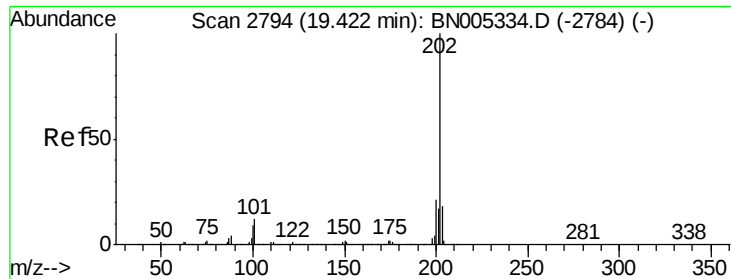
Delta R.T. 0.01 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Tgt Ion:	202	Resp:	19657357
Ion Ratio		Lower	Upper
202	100		
101	16.1	8.6	12.8#
100	12.2	6.3	9.5#





#79

Pyrene

Concen: 186.108 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Instrument :

BNA_N

ClientSampled :

GAHX8

Tgt Ion:202 Resp:19308362

Ion Ratio Lower Upper

202 100

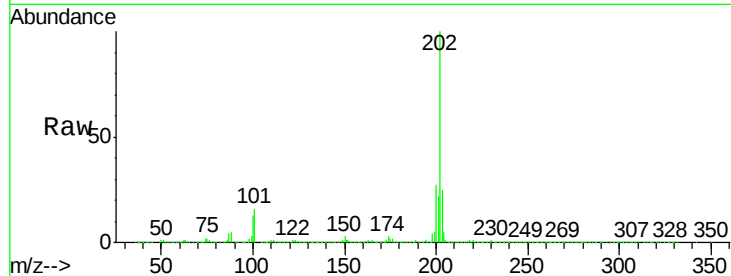
101 15.7 10.3 15.5#

100 12.8 7.9 11.9#

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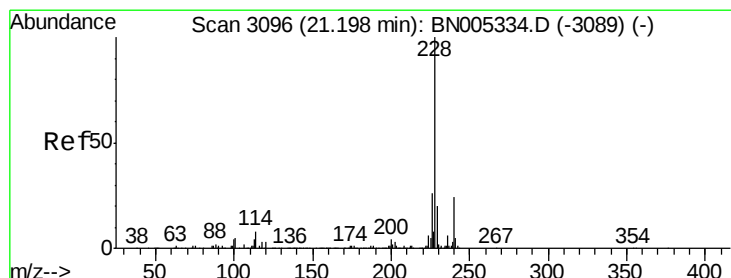
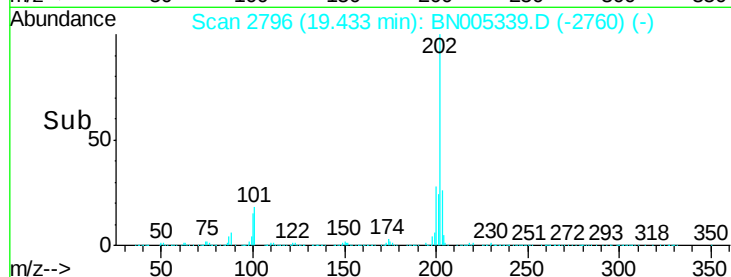
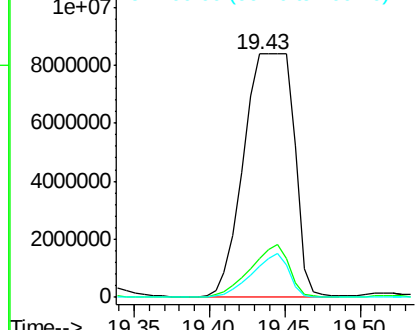
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 146.845 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

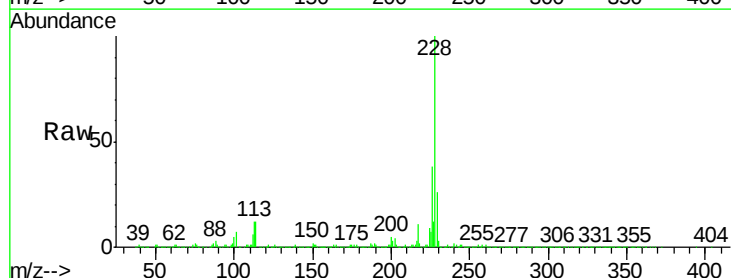
Tgt Ion:228 Resp:14719948

Ion Ratio Lower Upper

228 100

229 26.2 15.8 23.6#

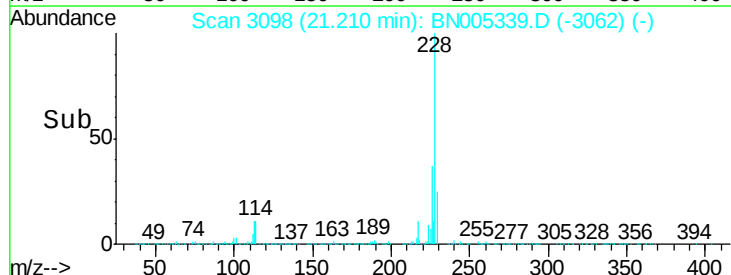
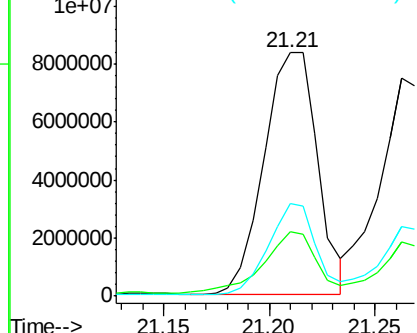
226 37.8 21.4 32.2#

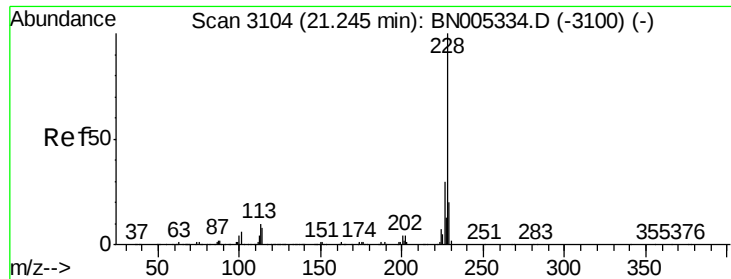


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 122.881 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Instrument :

BNA_N

ClientSampled :

GAHX8

Tgt Ion:228 Resp:11431978

Ion Ratio Lower Upper

228 100

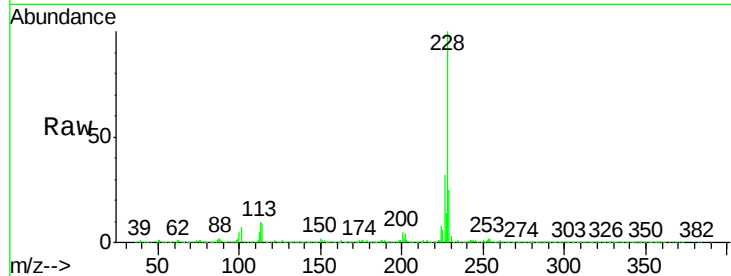
226 31.9 24.0 36.0

229 25.0 15.4 23.0#

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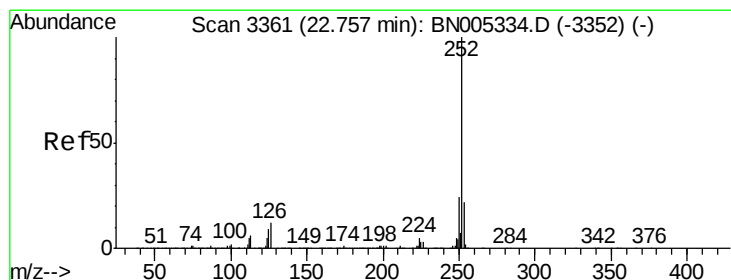
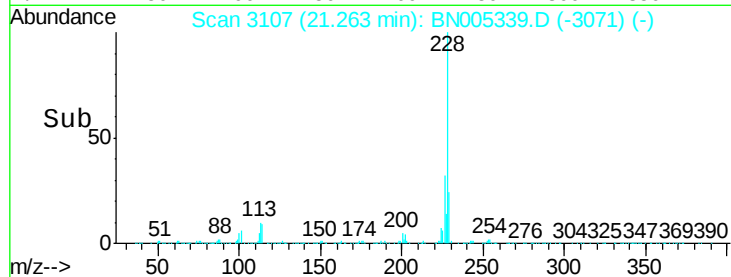
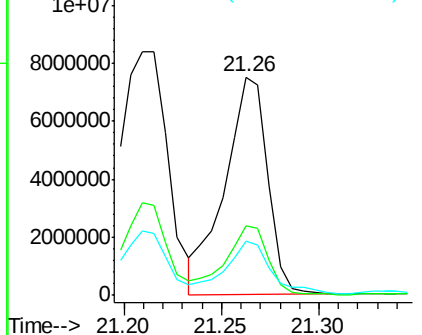
4/29/2019 1:44:07 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 129.922 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

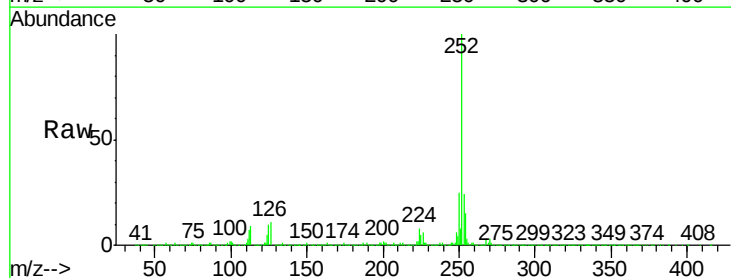
Tgt Ion:252 Resp:12611697

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

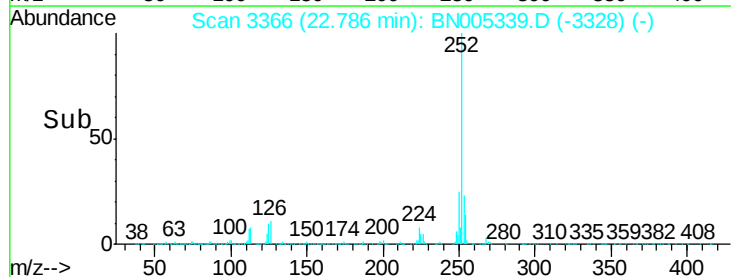
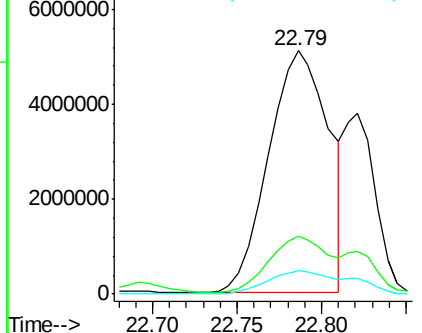
125 9.8 8.4 12.6

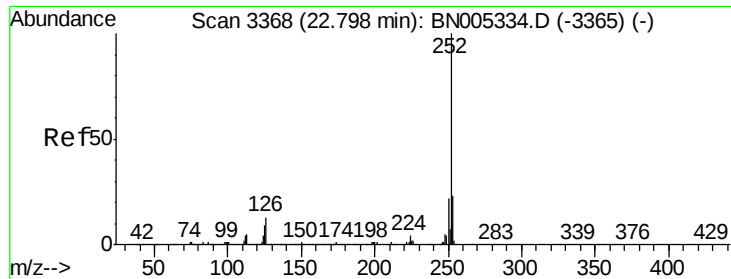


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





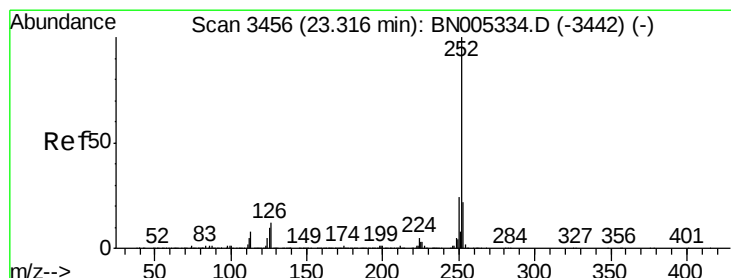
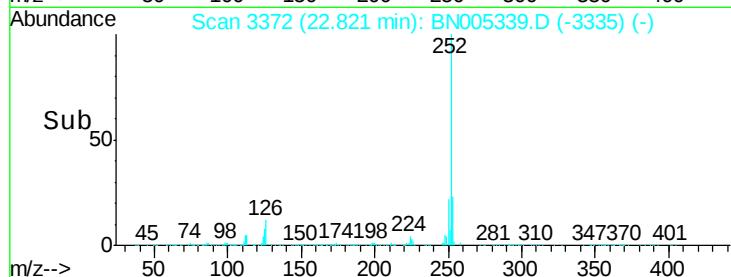
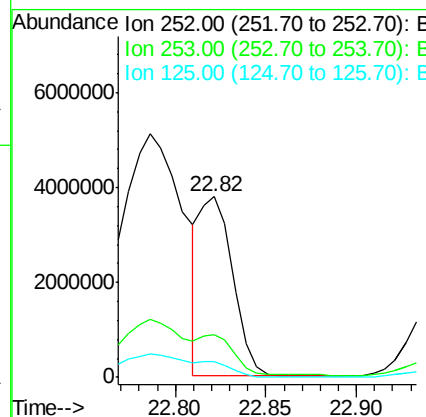
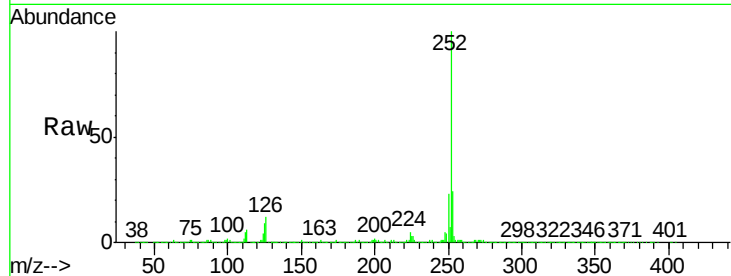
#88
Benzo(k)fluoranthene
Concen: 50.657 ng/u1
RT: 22.82 min Scan# 3372
Delta R.T. 0.02 min
Lab File: BN005339.D
Acq: 27 Apr 2019 04:33

Instrument :
BNA_N
ClientSampleId :
GAHX8

Tgt Ion:252 Resp: 4696364
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 8.5 7.5 11.3

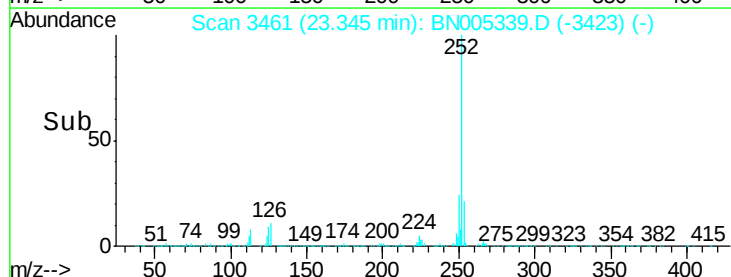
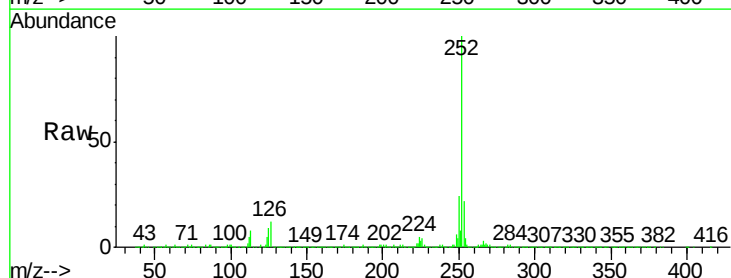
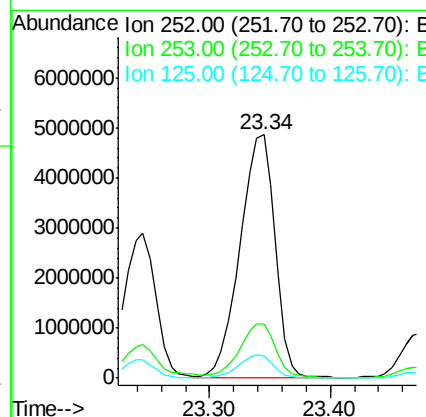
Manual Integrations
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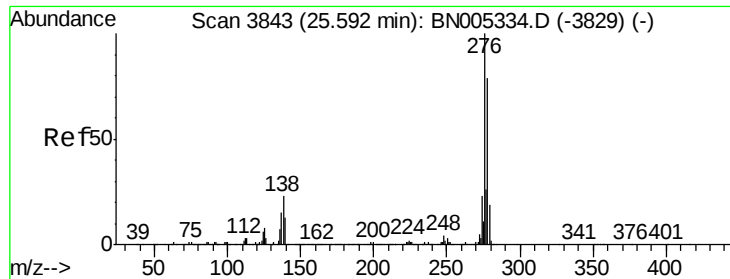
Sohil
4/29/2019 1:44:07 PM



#90
Benzo(a)pyrene
Concen: 106.852 ng/u1
RT: 23.34 min Scan# 3461
Delta R.T. 0.02 min
Lab File: BN005339.D
Acq: 27 Apr 2019 04:33

Tgt Ion:252 Resp: 9749443
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 9.2 8.6 13.0





#91

Indeno(1,2,3-cd)pyrene

Concen: 48.426 ng/u1

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Instrument :

BNA_N

ClientSampleId :

GAHX8

Tgt Ion:276 Resp: 4885132

Ion Ratio Lower Upper

276 100

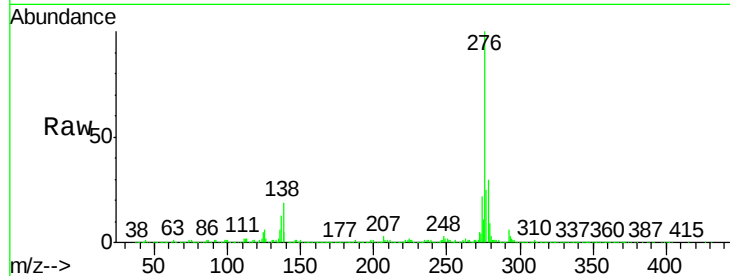
138 23.8 17.9 26.9

277 25.4 19.7 29.5

Manual Integrations
APPROVED

Sohil

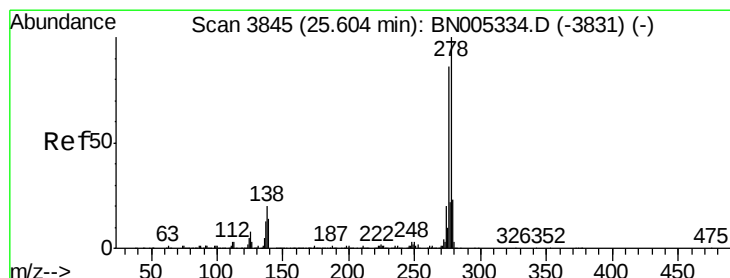
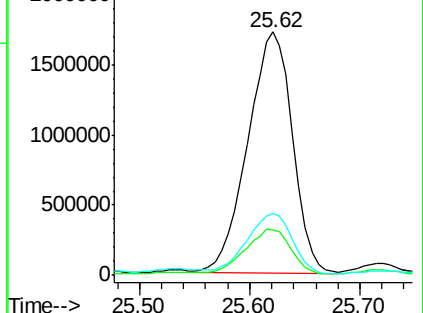
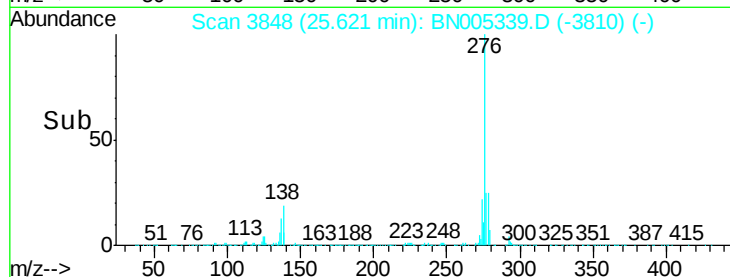
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene

Concen: 18.439 ng/u1

RT: 25.62 min Scan# 3847

Delta R.T. 0.01 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

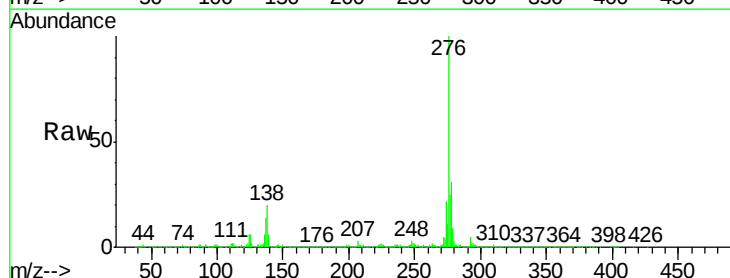
Tgt Ion:278 Resp: 1578618

Ion Ratio Lower Upper

278 100

139 19.1 13.1 19.7

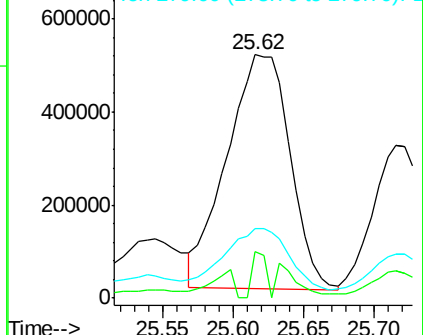
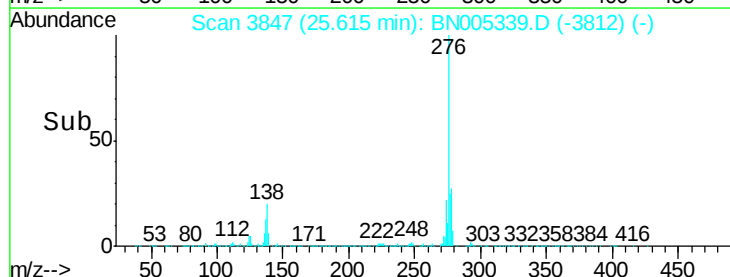
279 28.7 19.4 29.0

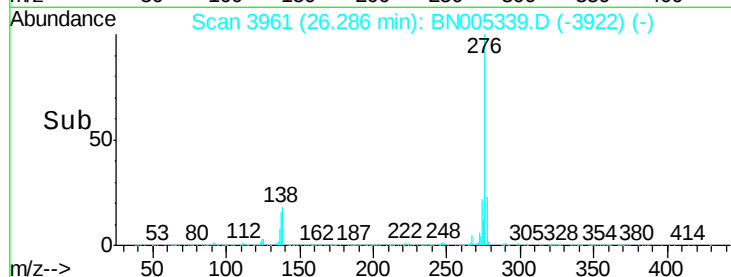
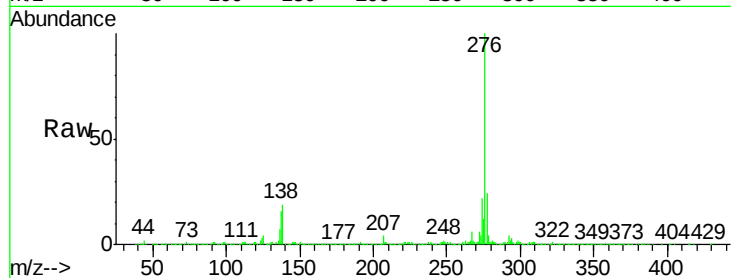
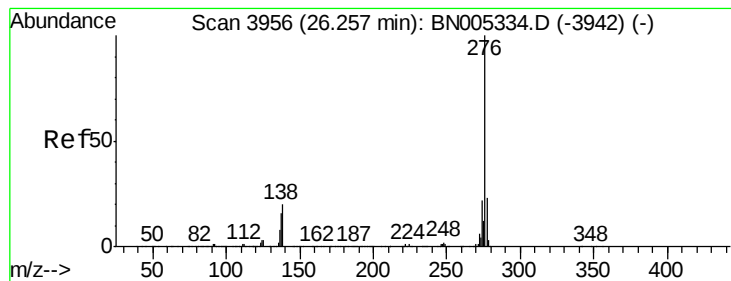


Abundance Ion 278.00 (277.70 to 278.70): E

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: 41.063 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.03 min

Lab File: BN005339.D

Acq: 27 Apr 2019 04:33

Tgt Ion: 276 Resp: 3425187

Ion Ratio Lower Upper

276 100

138 18.5 16.7 25.1

277 23.9 18.2 27.2

Instrument :

BNA_N

ClientSampleId :

GAHX8

Manual Integrations

APPROVED

Sohil

4/29/2019 1:44:07 PM

