

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
 Data File : BN005343.D
 Acq On : 27 Apr 2019 06:51
 Operator : JU/SJ
 Sample : K2456-16
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHN6

Manual Integrations
 APPROVED

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 4/29/2019 1:44:16 PM

Quant Time: Apr 29 03:50:35 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	477431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2015915	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1179368	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2649279	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1876145	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	2023054	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	26450	2.67	ng/uL	0.00
5) Phenol-d5	6.78	99	577076	15.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	357515	15.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	485129	16.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	485695	16.57	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	252499	20.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	289257	23.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	501822	17.40	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	374684	12.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1544047	18.04	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1910671	18.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	223393	16.53	ng/ul	0.00
57) Fluorene-d10	15.23	176	1334795	18.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	131471	11.03	ng/ul	0.01
70) Anthracene-d10	17.09	188	2030061	18.28	ng/ul	0.00
78) Pyrene-d10	19.40	212	2038970	21.24	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	1593357	18.02	ng/ul	-0.02

Target Compounds

					Qvalue	
28) Naphthalene	10.40	128	109267	1.166	ng/ul#	90
34) 2-Methylnaphthalene	12.03	142	2325074	33.883	ng/ul	98
40) 1,1'-Biphenyl	13.06	154	163250	1.858	ng/ul	99
44) Dimethylphthalate	13.69	163	449000	5.263	ng/ul	99
47) Acenaphthylene	13.96	152	8722686	84.411	ng/ul	97
49) Acenaphthene	14.29	153	963638	13.660	ng/ul	99
53) Dibenzofuran	14.63	168	484659	4.772	ng/ul	89
58) Fluorene	15.29	166	4039267	50.964	ng/ul	98
69) Phenanthrene	17.03	178	14908945m	115.552	ng/ul	
71) Anthracene	17.12	178	3761181	28.616	ng/ul	99
76) Fluoranthene	19.07	202	16140378m	112.781	ng/ul	
79) Pyrene	19.43	202	21447716m	177.549	ng/ul	
82) Benzo(a)anthracene	21.21	228	9072906	77.735	ng/ul#	79
84) Chrysene	21.26	228	9185463	84.797	ng/ul	96
87) Benzo(b)fluoranthene	22.78	252	6619092	58.204	ng/ul	98
88) Benzo(k)fluoranthene	22.82	252	1745435m	16.071	ng/ul	
90) Benzo(a)pyrene	23.34	252	4295608	40.186	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.62	276	2654009	22.457	ng/ul	96
92) Dibenzo(a,h)anthracene	25.62	278	900765	8.981	ng/ul	99
93) Benzo(g,h,i)perylene	26.28	276	2105943	21.551	ng/ul	97

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

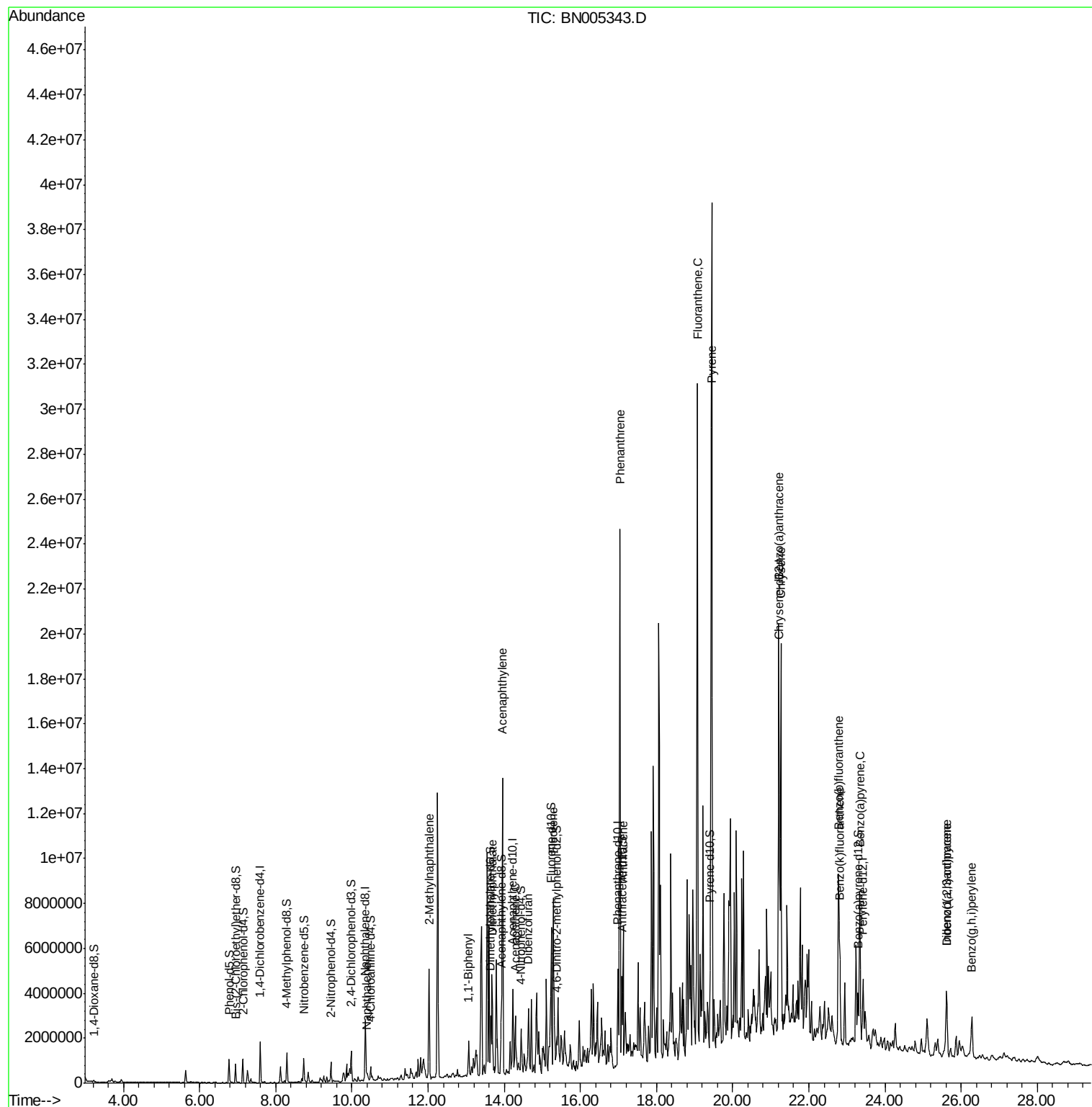
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005343.D
Acq On : 27 Apr 2019 06:51
Operator : JU/SJ
Sample : K2456-16
Misc :
ALS Vial : 26 Sample Multiplier: 1

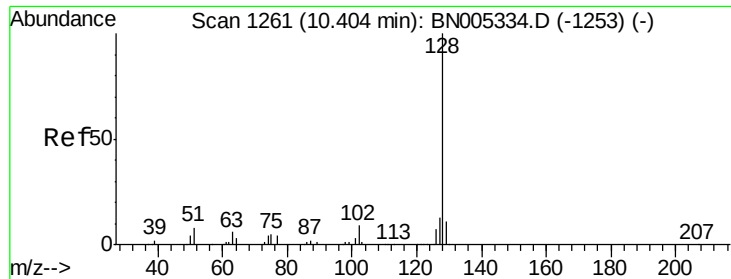
Instrument :
BNA_N
ClientSampleId :
GAHN6

Quant Time: Apr 29 03:50:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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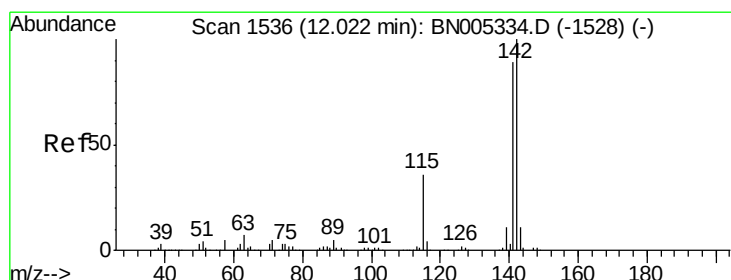
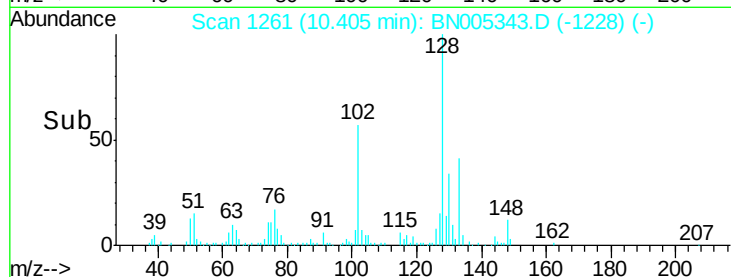
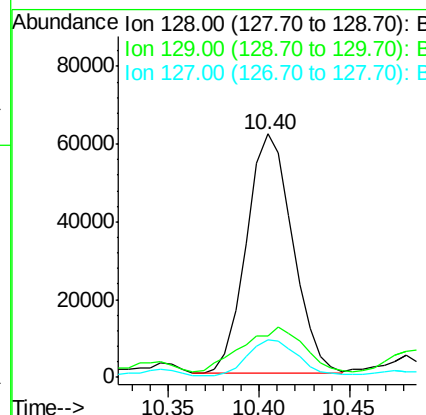
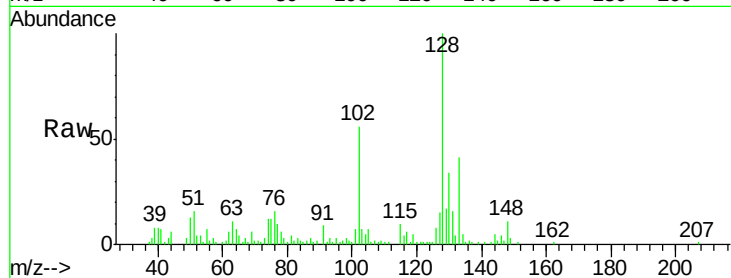
#28
Naphthalene
Concen: 1.166 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Instrument :
BNA_N
ClientSampleId :
GAHN6

Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.2	9.2	13.8#
127	15.5	10.7	16.1

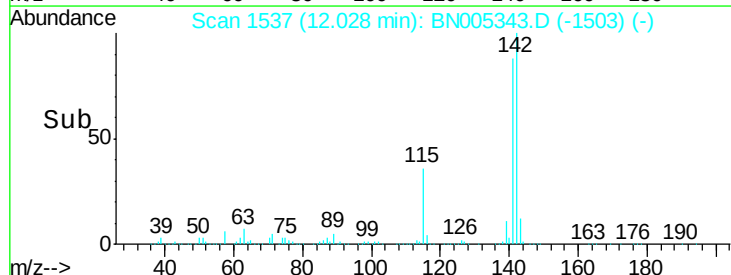
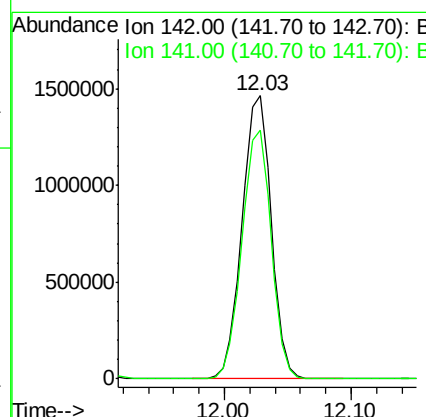
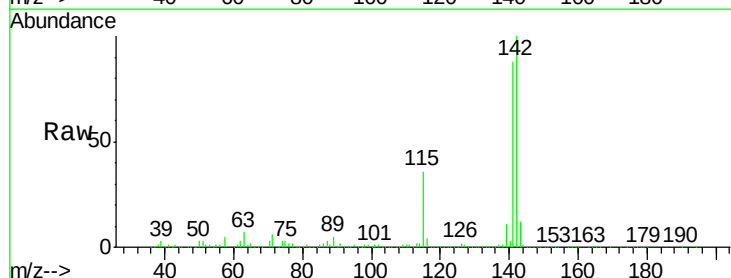
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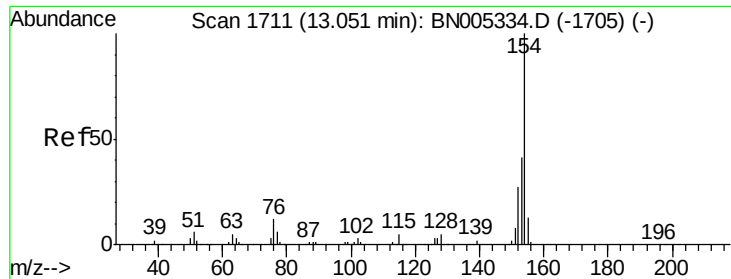
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#34
2-Methylnaphthalene
Concen: 33.883 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.0	108.0





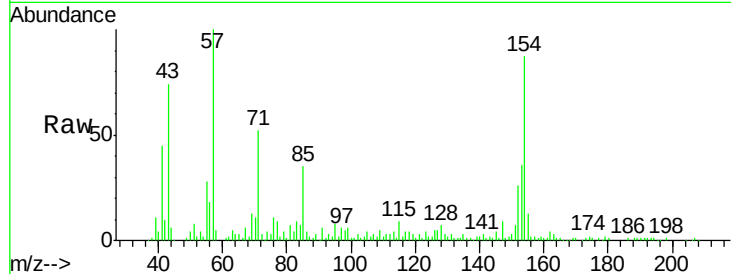
#40
 1,1'-Biphenyl
 Concen: 1.858 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005343.D
 Acq: 27 Apr 2019 06:51

Instrument :
 BNA_N
 ClientSampled :
 GAHN6

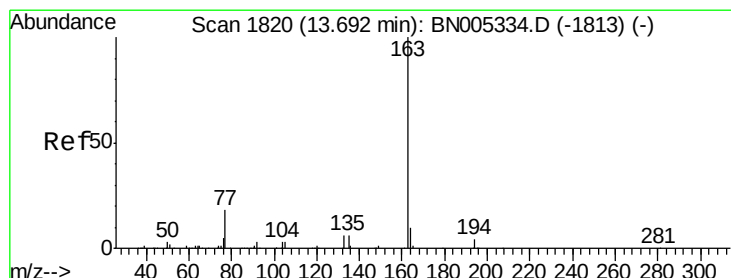
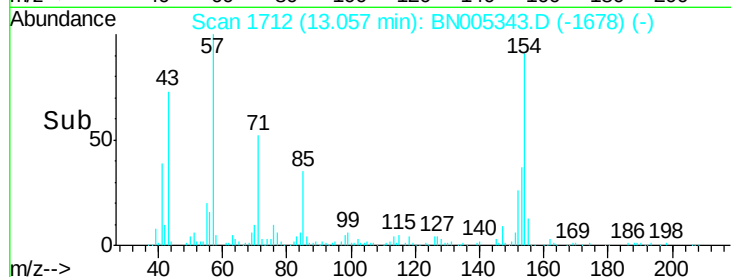
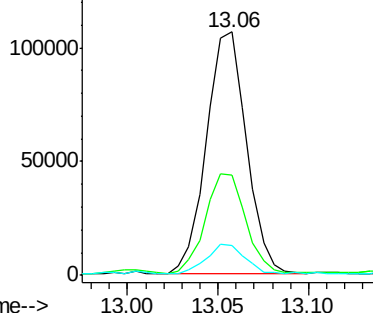
Tgt Ion:	154	Resp:	163250
Ion Ratio	Lower	Upper	
154	100		
153	41.4	32.6	49.0
76	12.0	10.4	15.6

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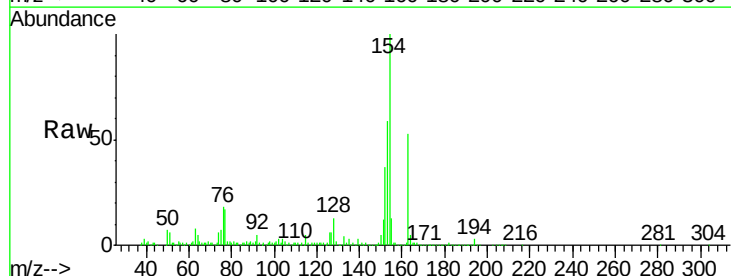


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

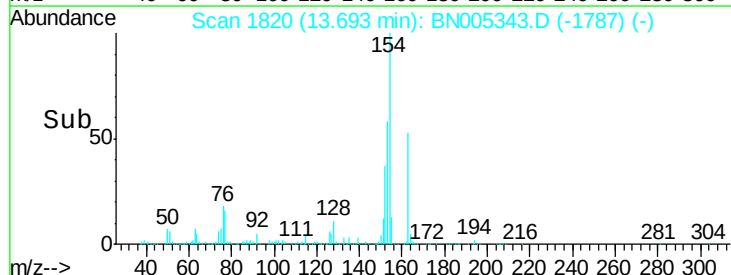
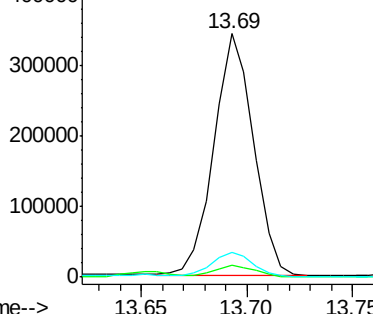


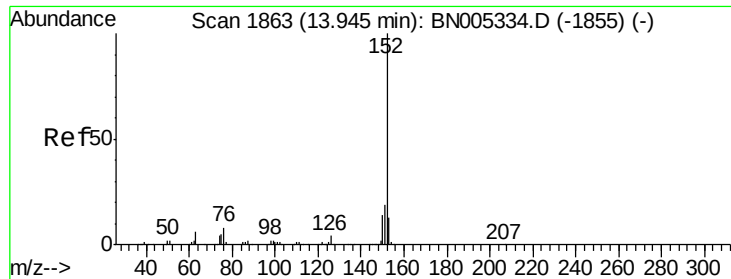
#44
 Dimethylphthalate
 Concen: 5.263 ng/ul
 RT: 13.69 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BN005343.D
 Acq: 27 Apr 2019 06:51

Tgt Ion:	163	Resp:	449000
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.0
164	10.2	8.1	12.1



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





#47

Acenaphthylene

Concen: 84.411 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

Instrument :

BNA_N

ClientSampleId :

GAHN6

Tgt Ion:152 Resp: 8722686

Ion Ratio Lower Upper

152 100

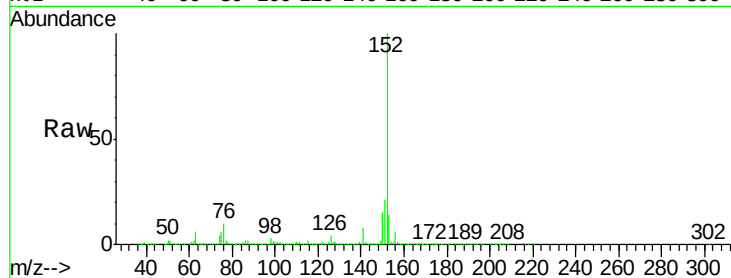
151 20.7 15.8 23.8

153 14.1 9.8 14.8

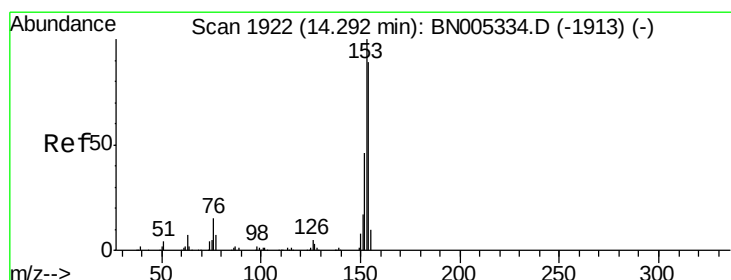
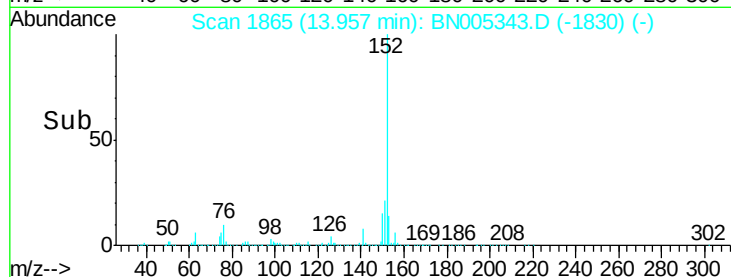
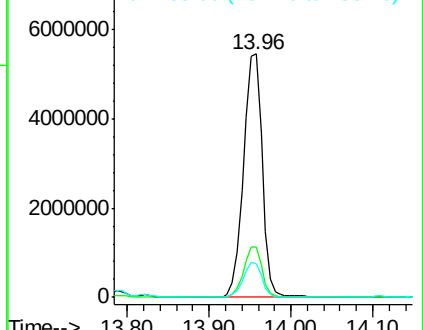
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 13.660 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

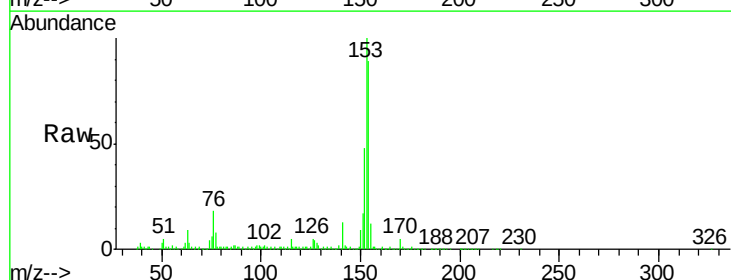
Tgt Ion:153 Resp: 963638

Ion Ratio Lower Upper

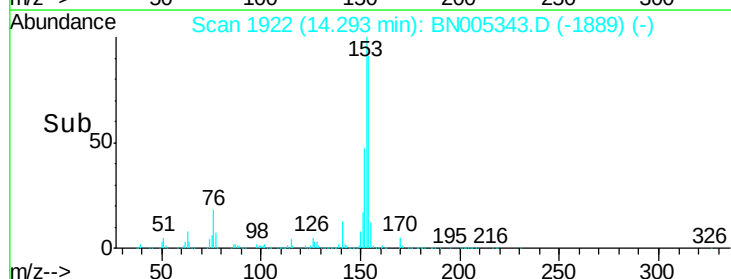
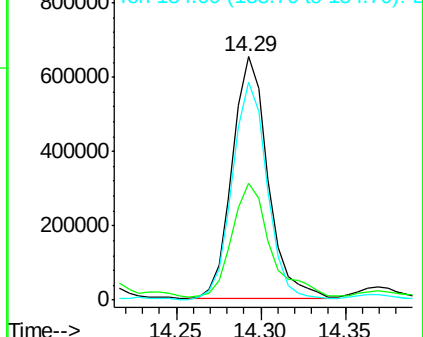
153 100

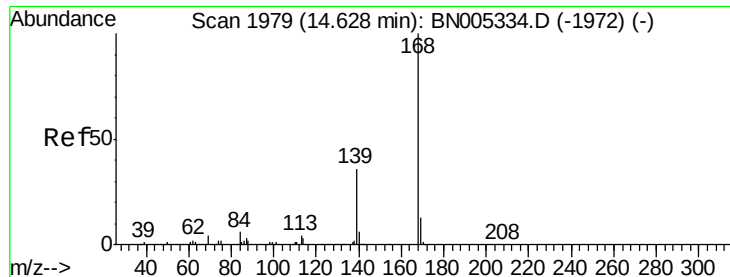
152 48.2 37.4 56.0

154 89.4 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





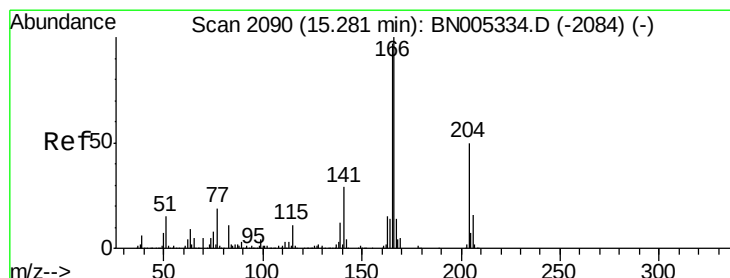
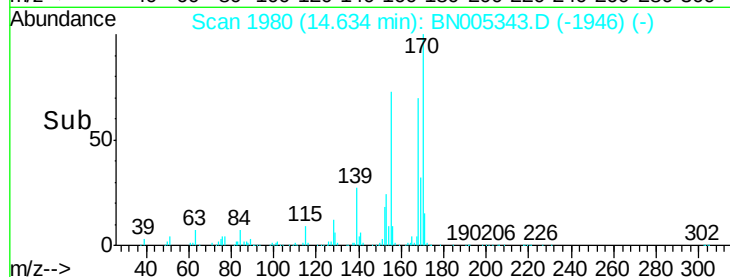
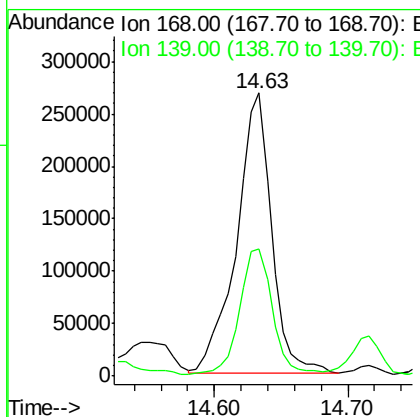
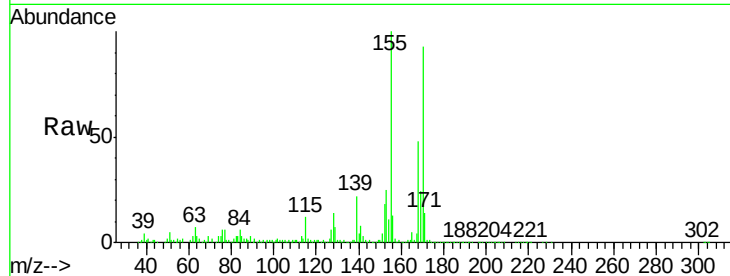
#53
Dibenzenofuran
Concen: 4.772 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Instrument :
BNA_N
ClientSampleId :
GAHN6

Tgt Ion	Ratio	Lower	Upper
168	100		
139	45.1	30.9	46.3

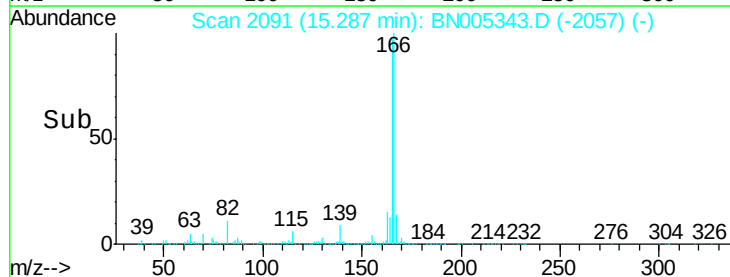
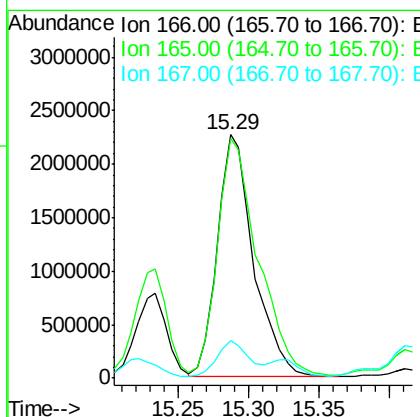
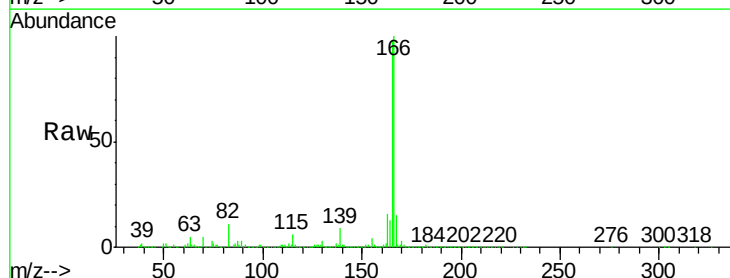
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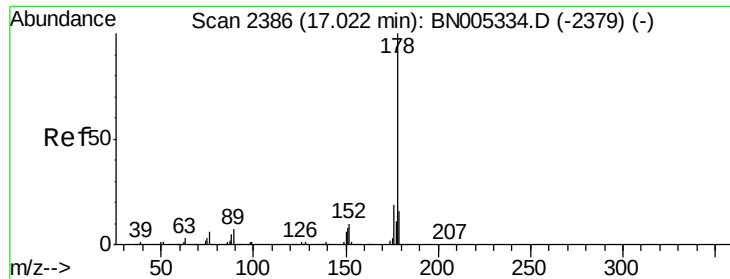
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#58
Fluorene
Concen: 50.964 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.0	120.0
167	15.3	10.7	16.1





#69

Phenanthrene

Concen: 115.552 ng/ul m

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

Instrument :

BNA_N

ClientSampled :

GAHN6

Tgt Ion:178 Resp:14908945

Ion Ratio Lower Upper

178 100

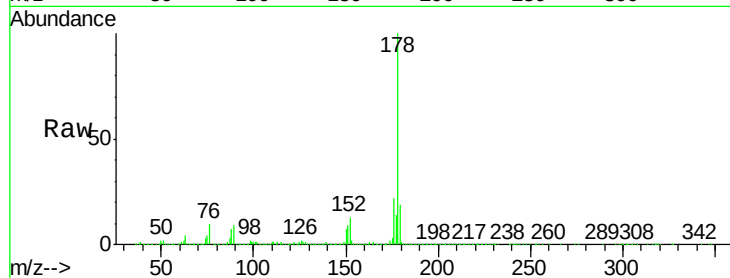
179 18.9 12.2 18.4#

176 22.5 15.1 22.7

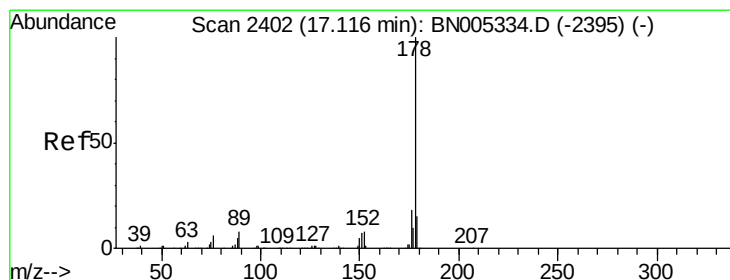
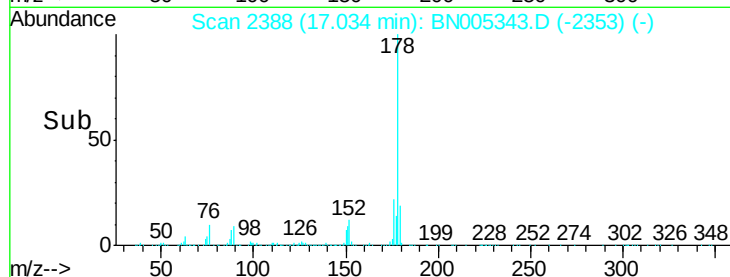
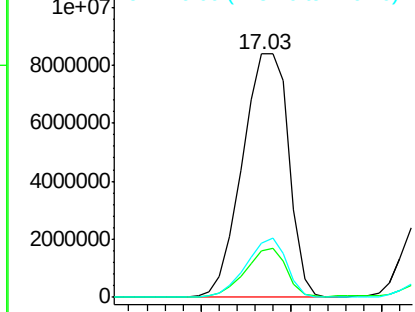
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 28.616 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

Tgt Ion:178 Resp: 3761181

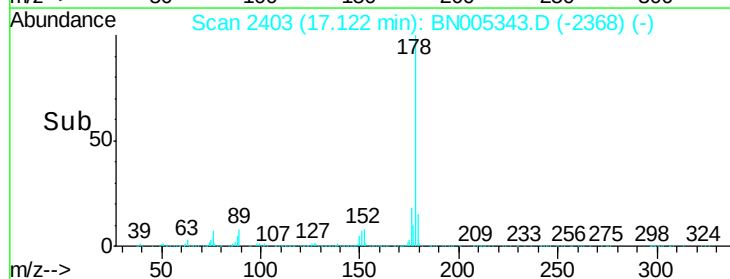
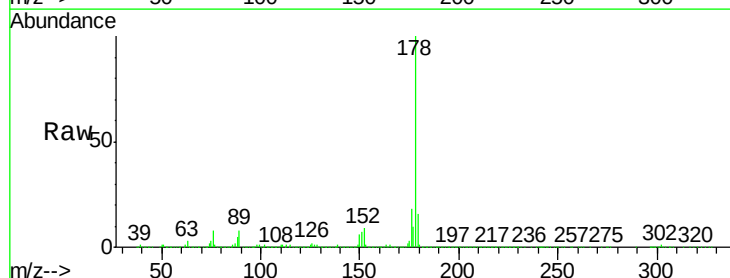
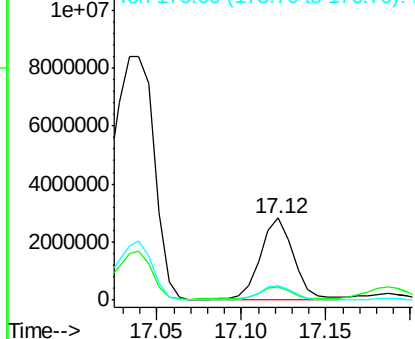
Ion Ratio Lower Upper

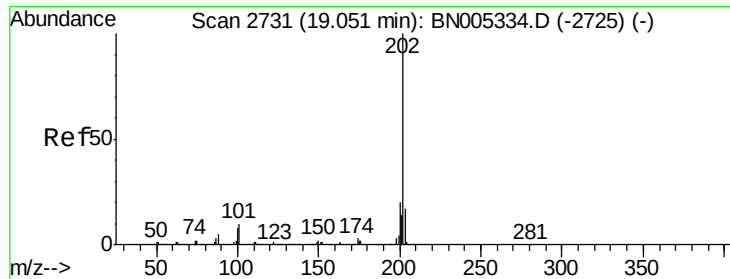
178 100

179 15.7 12.3 18.5

176 18.3 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





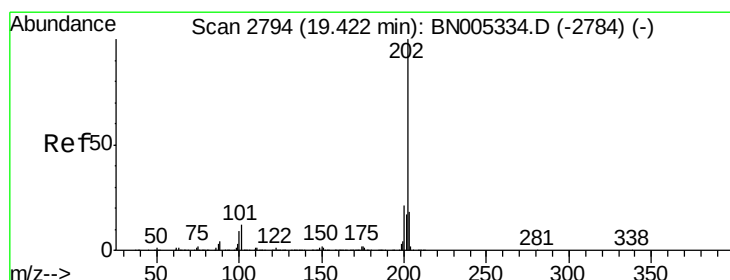
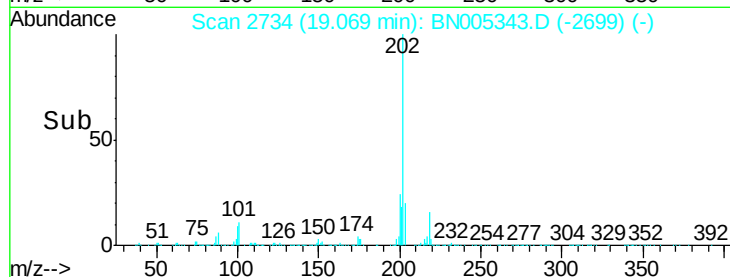
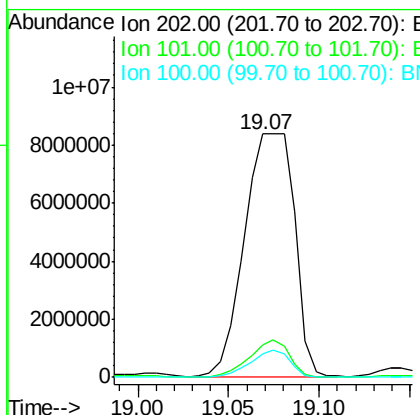
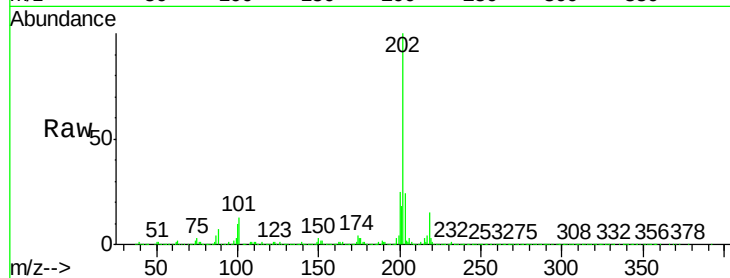
#76
 Fluoranthene
 Concen: 112.781 ng/ul m
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BN005343.D
 Acq: 27 Apr 2019 06:51

Instrument :
 BNA_N
 ClientSampled :
 GAHN6

Tgt Ion:202 Resp:16140378
 Ion Ratio Lower Upper
 202 100
 101 13.2 8.6 12.8#
 100 9.6 6.3 9.5#

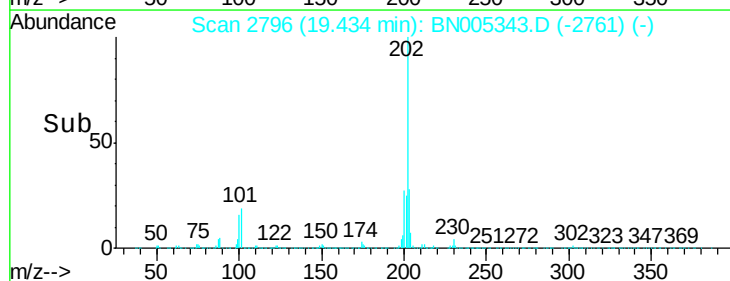
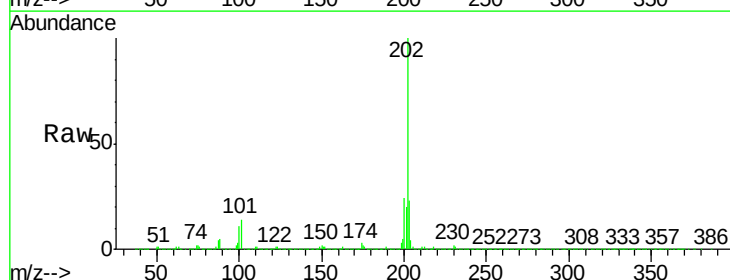
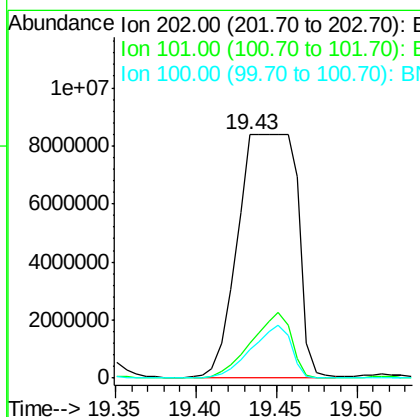
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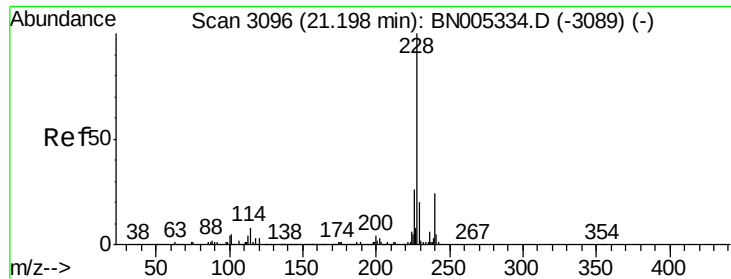
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#79
 Pyrene
 Concen: 177.549 ng/ul m
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: BN005343.D
 Acq: 27 Apr 2019 06:51

Tgt Ion:202 Resp:21447716
 Ion Ratio Lower Upper
 202 100
 101 14.3 10.3 15.5
 100 11.5 7.9 11.9





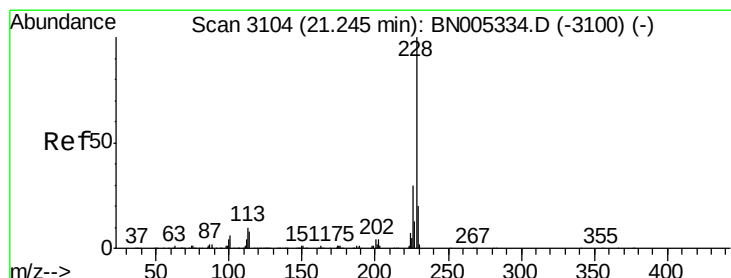
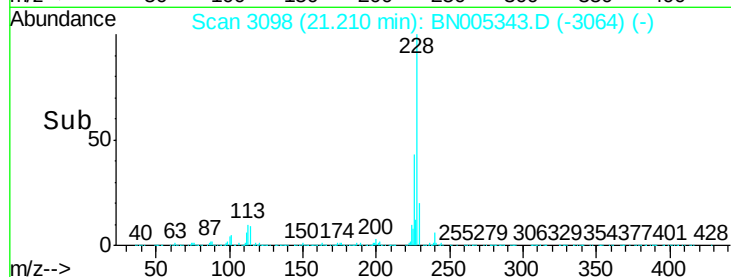
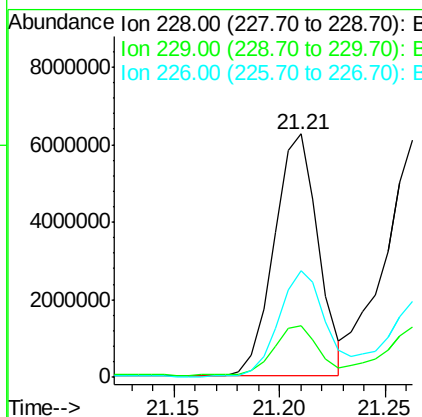
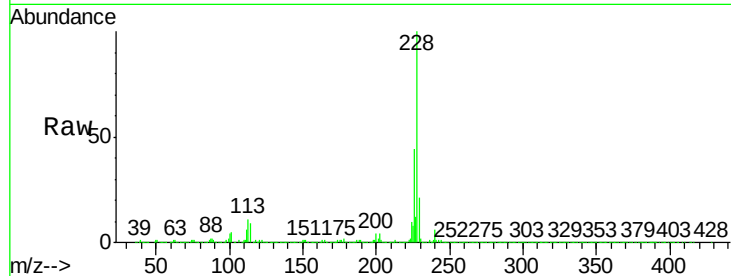
#82
Benzo(a)anthracene
Concen: 77.735 ng/ul
RT: 21.21 min Scan# 3098
Delta R.T. 0.00 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Instrument :
BNA_N
ClientSampleId :
GAHN6

Tgt Ion:228 Resp: 9072906
Ion Ratio Lower Upper
228 100
229 21.4 15.8 23.6
226 43.8 21.4 32.2#

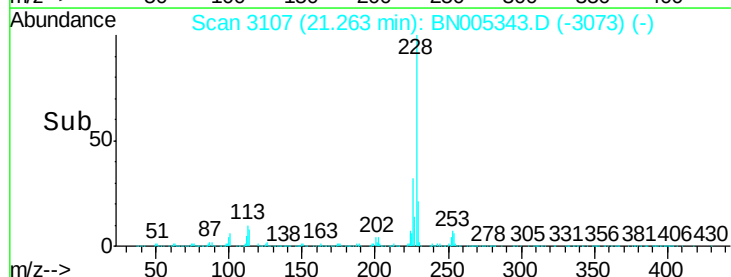
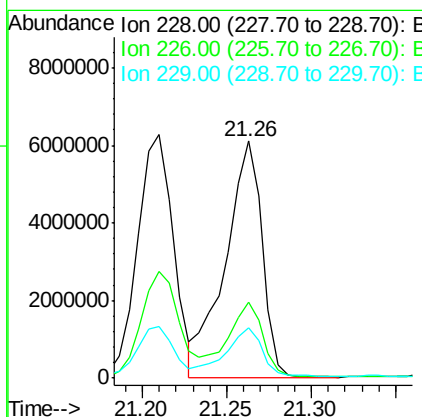
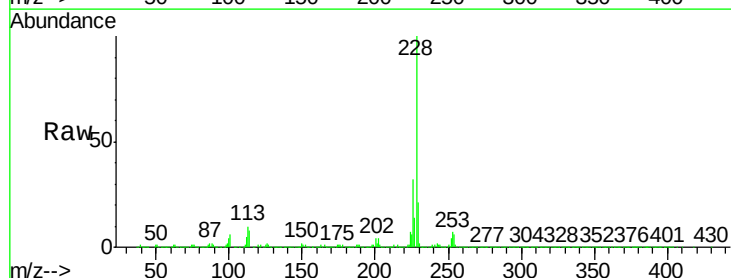
Manual Integrations
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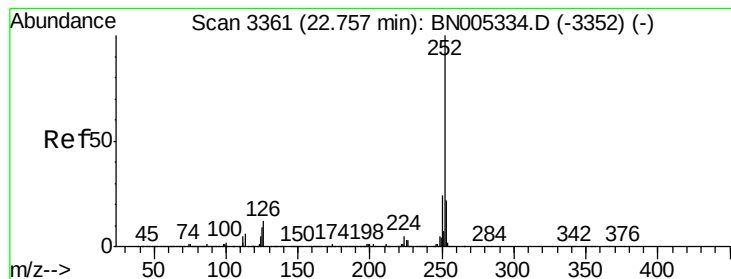
Sohil
4/29/2019 1:44:16 PM



#84
Chrysene
Concen: 84.797 ng/ul
RT: 21.26 min Scan# 3107
Delta R.T. 0.00 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Tgt Ion:228 Resp: 9185463
Ion Ratio Lower Upper
228 100
226 32.2 24.0 36.0
229 21.2 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 58.204 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

Instrument :

BNA_N

ClientSampleId :

GAHN6

Tgt Ion:252 Resp: 6619092

Ion Ratio Lower Upper

252 100

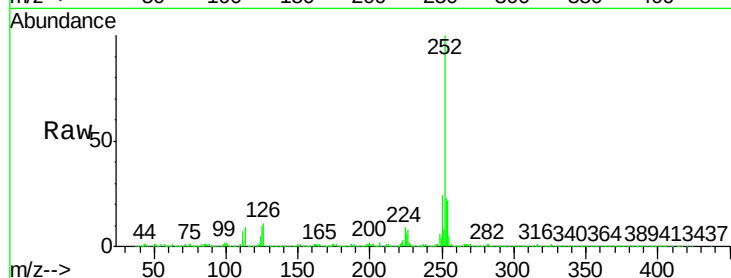
253 22.9 17.7 26.5

125 9.5 8.4 12.6

Manual Integrations
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Sohil

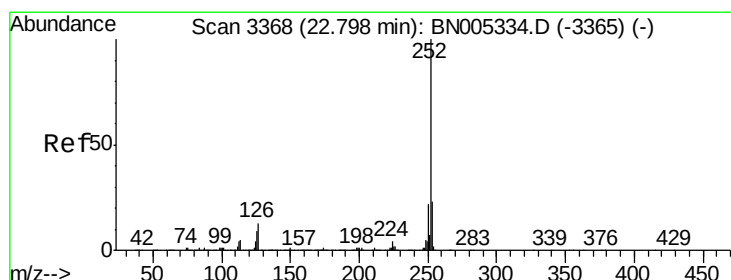
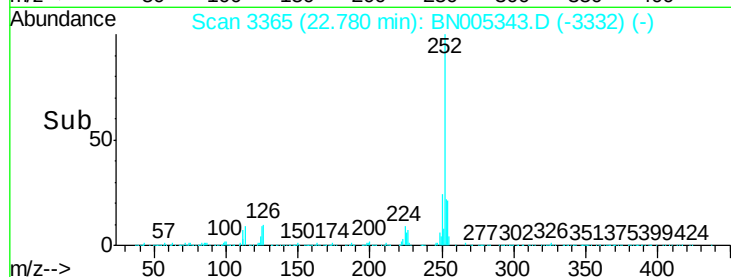
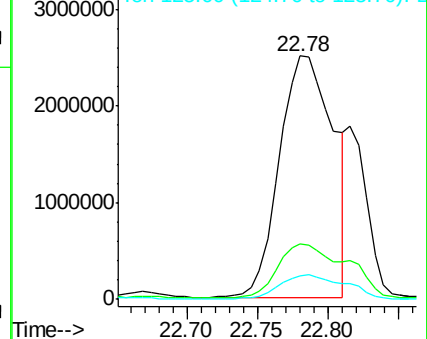
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 16.071 ng/ul m

RT: 22.82 min Scan# 3371

Delta R.T. -0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

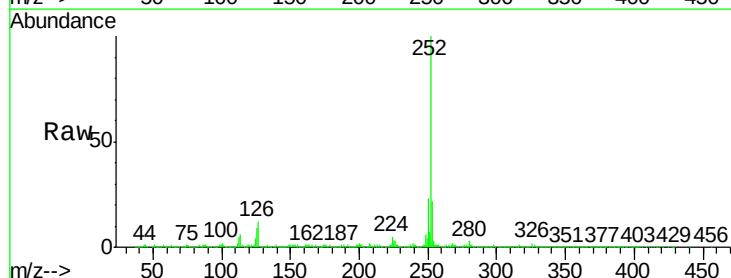
Tgt Ion:252 Resp: 1745435

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

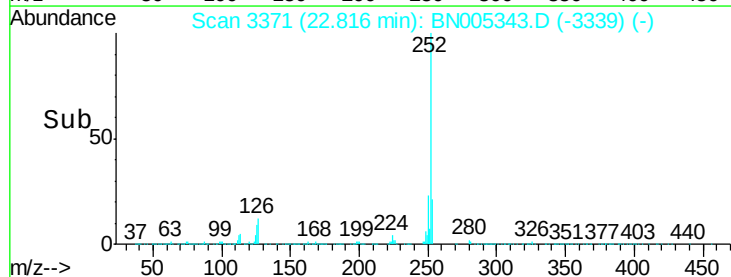
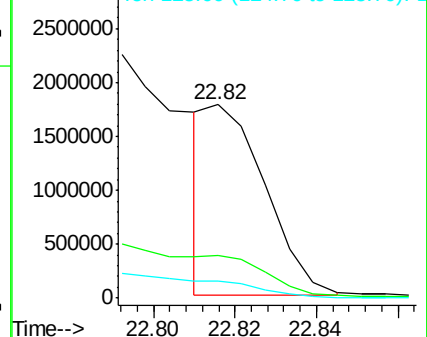
125 9.0 7.5 11.3

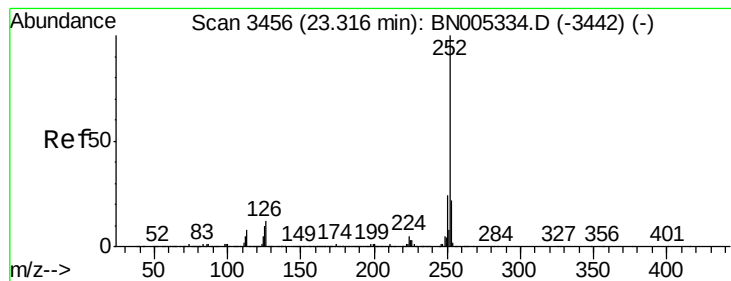


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 40.186 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

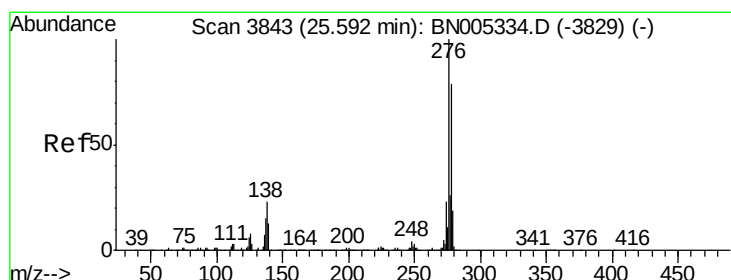
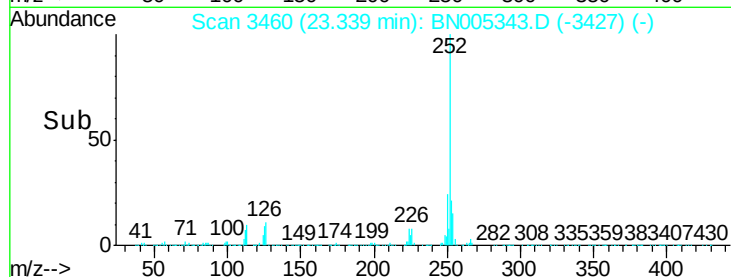
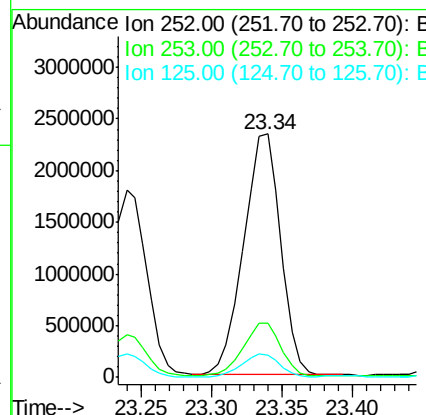
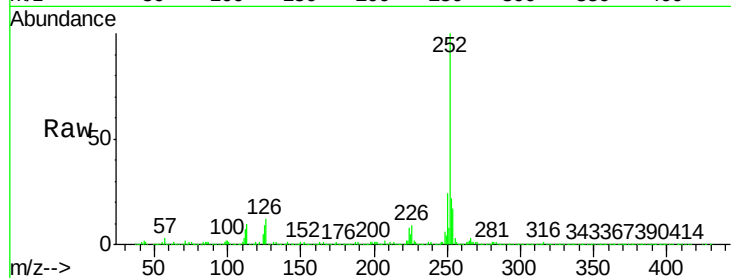
Instrument :
BNA_N
ClientSampleId :
GAHN6

Tgt Ion: 252 Resp: 4295608

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.0	8.6	13.0

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#91

Indeno(1,2,3-cd)pyrene

Concen: 22.457 ng/ul

RT: 25.62 min Scan# 3847

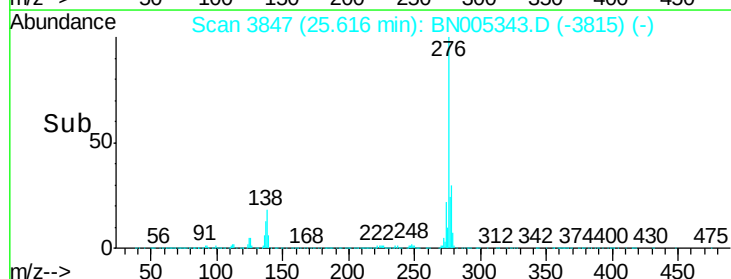
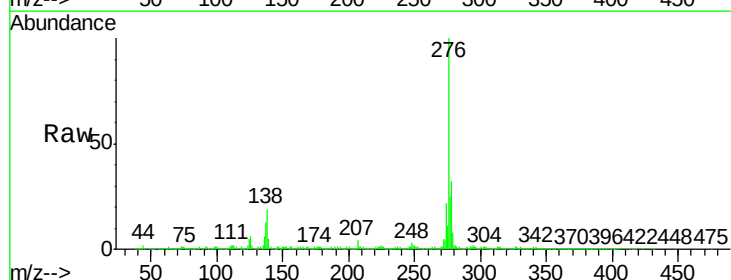
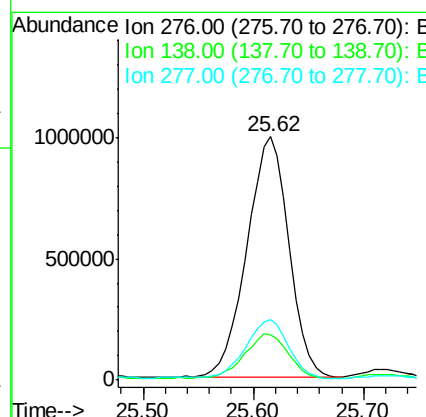
Delta R.T. -0.01 min

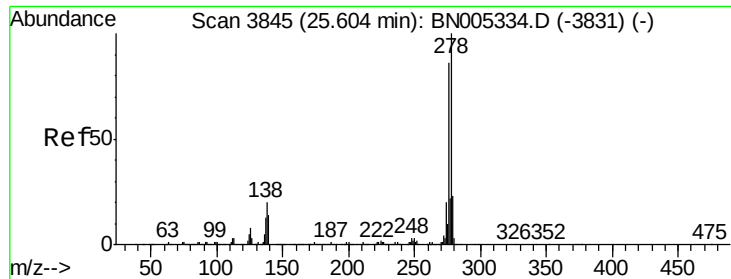
Lab File: BN005343.D

Acq: 27 Apr 2019 06:51

Tgt Ion: 276 Resp: 2654009

Ion	Ratio	Lower	Upper
276	100		
138	18.7	17.9	26.9
277	24.7	19.7	29.5





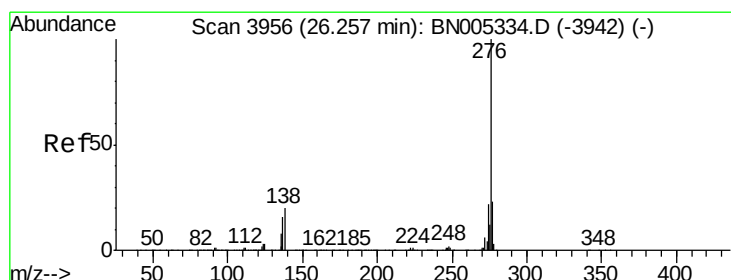
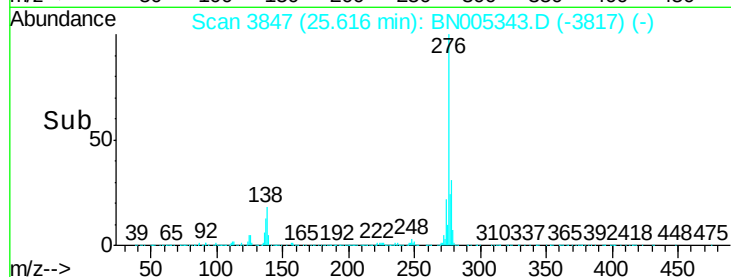
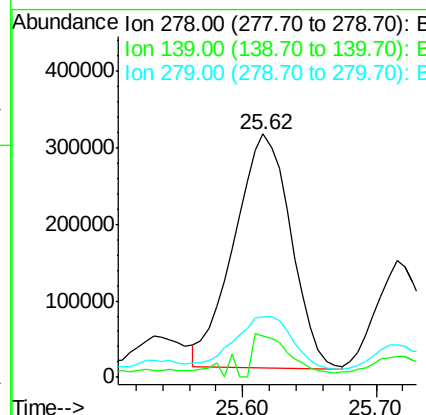
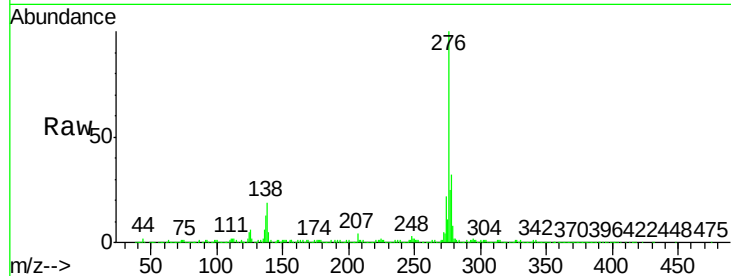
#92
Dibenzo(a,h)anthracene
Concen: 8.981 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. -0.02 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Instrument :
BNA_N
ClientSampleId :
GAHN6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.1	19.7
279	24.9	19.4	29.0

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#93
Benzo(g,h,i)perylene
Concen: 21.551 ng/ul
RT: 26.28 min Scan# 3960
Delta R.T. -0.01 min
Lab File: BN005343.D
Acq: 27 Apr 2019 06:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.7	25.1
277	24.4	18.2	27.2

