

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050119\
 Data File : BN005409.D
 Acq On : 01 May 2019 14:12
 Operator : JU/SJ
 Sample : K2456-02ME
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ2ME

Manual Integrations
 APPROVED

Sohil
 5/2/2019 4:57:15 PM

Quant Time: May 03 11:52:07 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	427073	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1803945	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1093431	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2312462	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1551744	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	1548427	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	38137	4.31	ng/uL	0.00
5) Phenol-d5	6.78	99	860305	25.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	501771	23.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	717584	27.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	703936	26.85	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	364642	32.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	404321	35.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	741139	28.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	928011	34.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2110774	26.59	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2654511	27.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	321876	25.68	ng/ul	0.02
57) Fluorene-d10	15.23	176	1839222	27.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	100895	9.70	ng/ul	0.02
70) Anthracene-d10	17.09	188	2656753	27.41	ng/ul	0.00
78) Pyrene-d10	19.40	212	2630048	33.13	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	1930952	28.53	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.42	128	23538119m	280.675	ng/ul	
34) 2-Methylnaphthalene	12.05	142	20211739	329.154	ng/ul	91
40) 1,1'-Biphenyl	13.06	154	2385979	29.286	ng/ul	99
47) Acenaphthylene	13.95	152	5178715	54.054	ng/ul#	97
49) Acenaphthene	14.29	153	590325	9.026	ng/ul	99
53) Dibenzofuran	14.63	168	620639	6.591	ng/ul	97
58) Fluorene	15.29	166	3296718	44.864	ng/ul	98
69) Phenanthrene	17.03	178	14614566	129.768	ng/ul	96
71) Anthracene	17.12	178	718604	6.264	ng/ul	99
76) Fluoranthene	19.06	202	3980140	31.862	ng/ul	97
79) Pyrene	19.43	202	5536208	55.411	ng/ul	95
82) Benzo(a)anthracene	21.21	228	1455284m	15.075	ng/ul	
84) Chrysene	21.26	228	1422941	15.882	ng/ul	99
87) Benzo(b)fluoranthene	22.79	252	894566	10.277	ng/ul	95
88) Benzo(k)fluoranthene	22.82	252	257933m	3.103	ng/ul	
90) Benzo(a)pyrene	23.34	252	296674	3.626	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.62	276	348307	3.851	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.62	278	111637	1.454	ng/ul	99
93) Benzo(g,h,i)perylene	26.29	276	257654	3.445	ng/ul	97

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

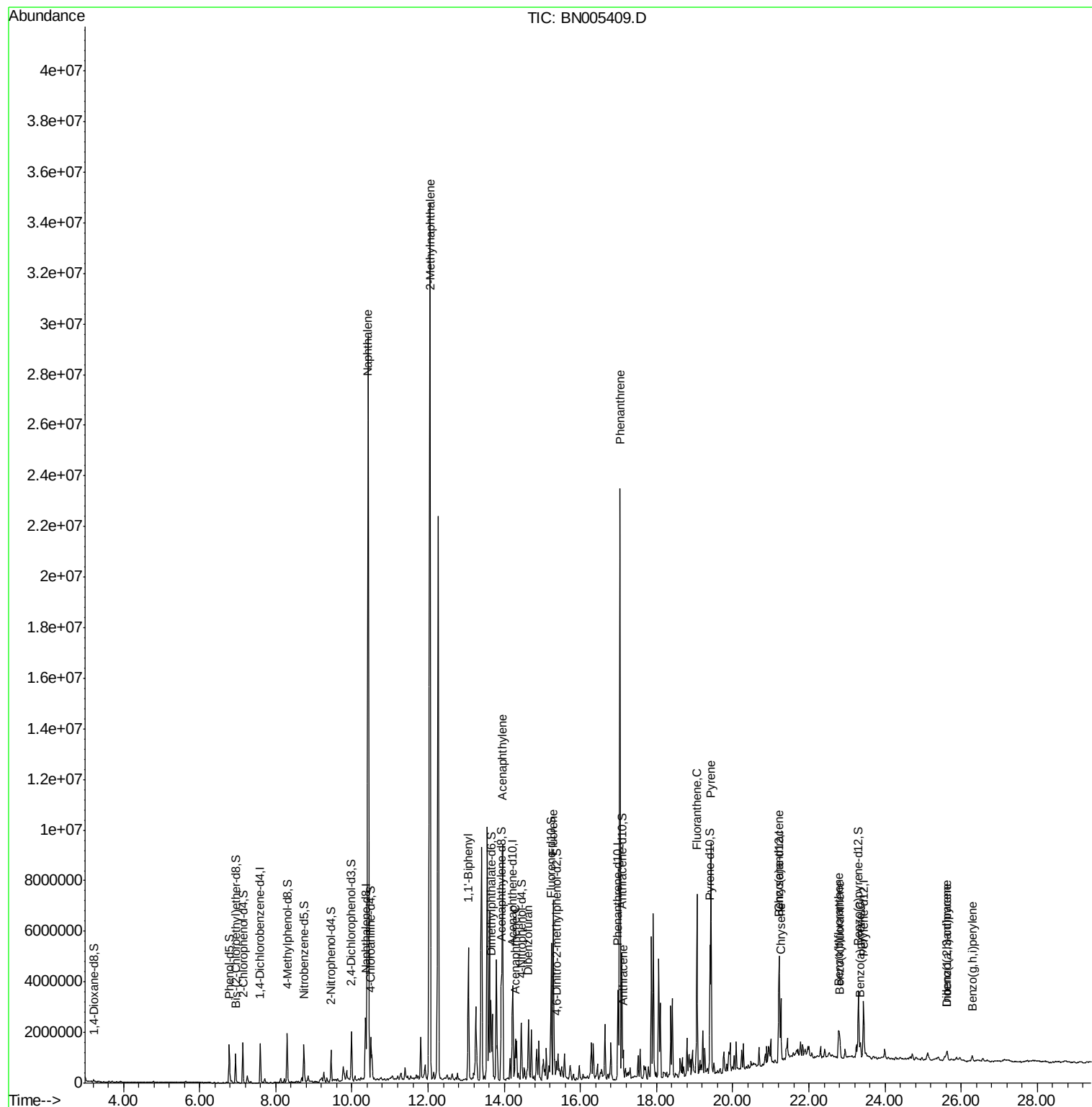
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050119\
Data File : BN005409.D
Acq On : 01 May 2019 14:12
Operator : JU/SJ
Sample : K2456-02ME
Misc :
ALS Vial : 8 Sample Multiplier: 1

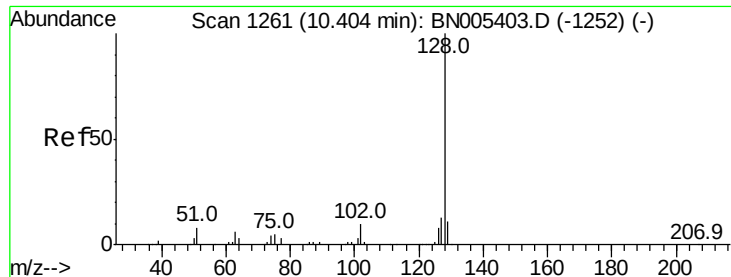
Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

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Quant Time: May 03 11:52:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





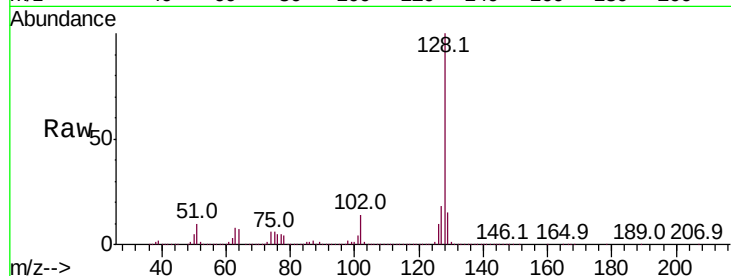
#28
Naphthalene
Concen: 280.675 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005409.D
Acq: 01 May 2019 14:12

Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

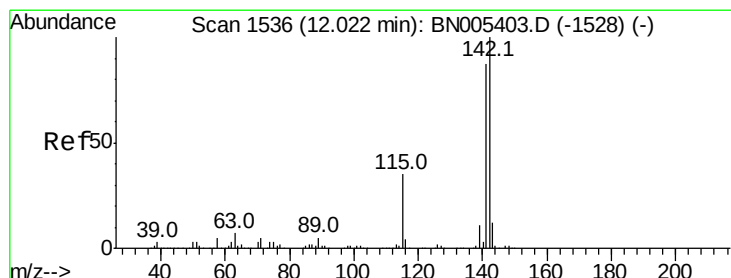
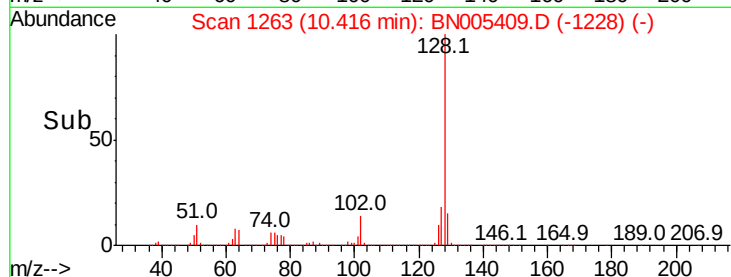
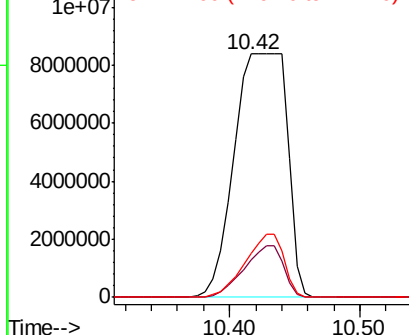
Tot Ion:128 Resp:23538119
Ion Ratio Lower Upper
128 100
129 15.2 9.2 13.8#
127 17.8 10.7 16.1#

Manual Integrations
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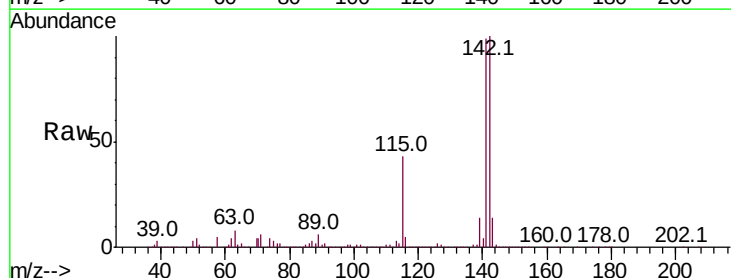


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

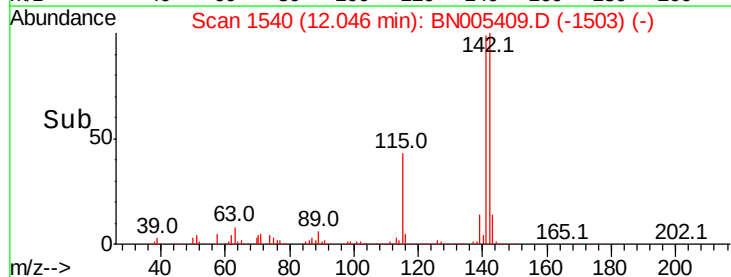
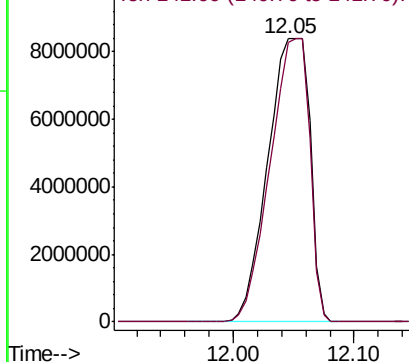


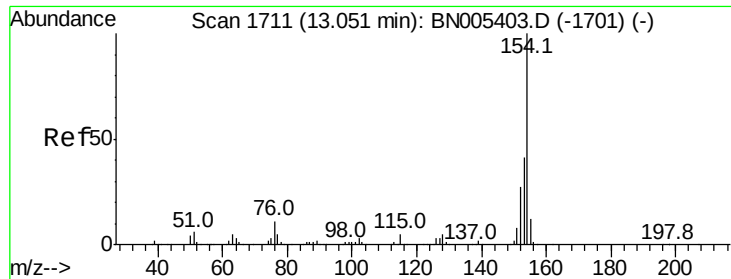
#34
2-Methylnaphthalene
Concen: 329.154 ng/ul
RT: 12.05 min Scan# 1540
Delta R.T. 0.02 min
Lab File: BN005409.D
Acq: 01 May 2019 14:12

Tgt Ion:142 Resp:20211739
Ion Ratio Lower Upper
142 100
141 98.6 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





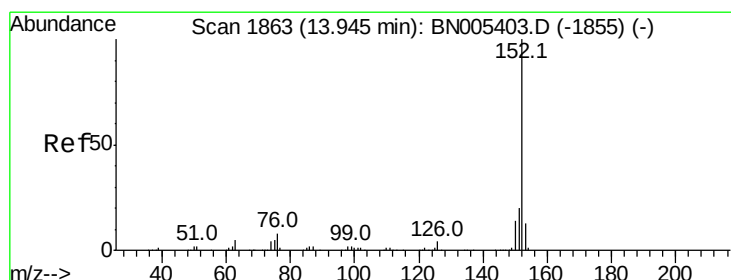
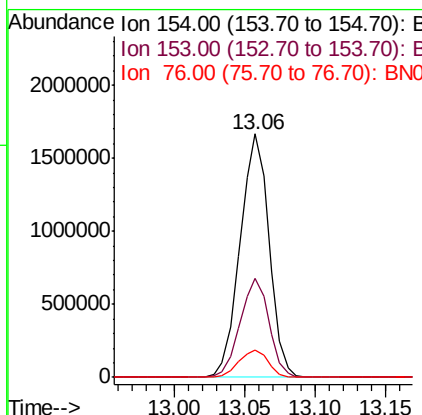
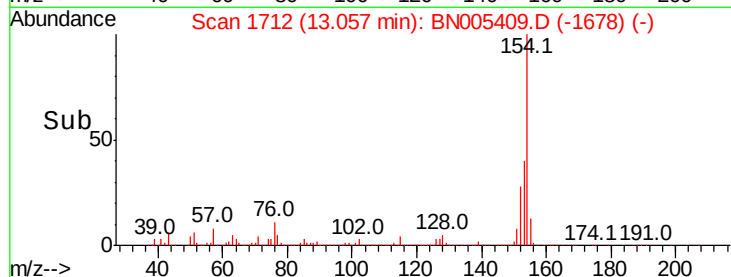
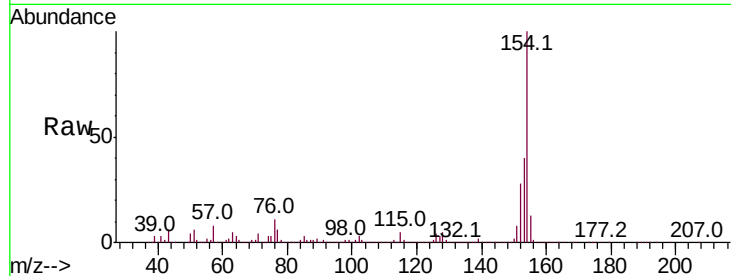
#40
 1,1'-Biphenyl
 Concen: 29.286 ng/ul
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BN005409.D
 Acq: 01 May 2019 14:12

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ2ME

Tot Ion:	154	Resp:	2385979
Ion	Ratio	Lower	Upper
154	100		
153	40.4	32.6	49.0
76	11.3	10.4	15.6

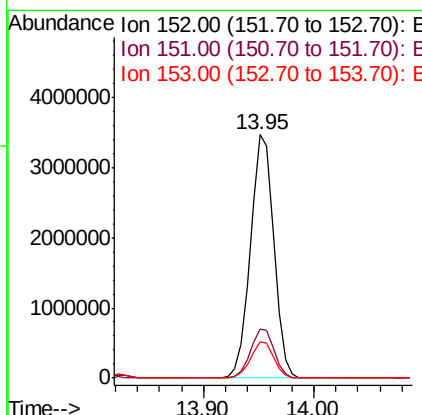
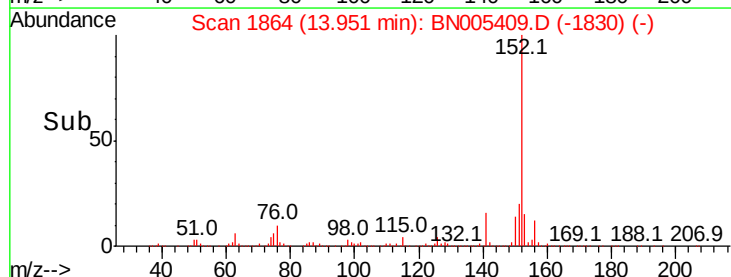
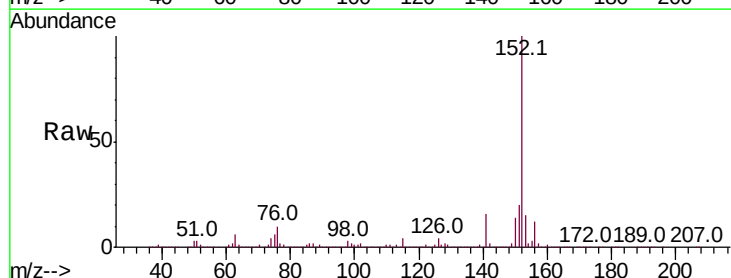
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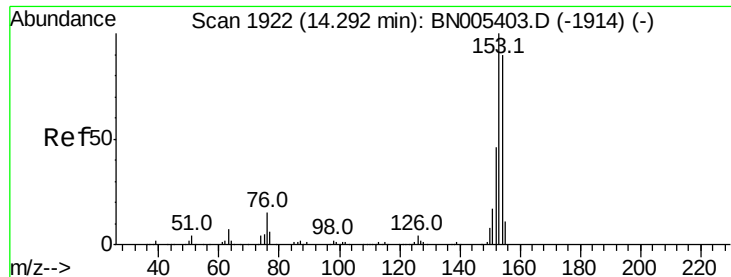
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#47
 Acenaphthylene
 Concen: 54.054 ng/ul
 RT: 13.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: BN005409.D
 Acq: 01 May 2019 14:12

Tgt Ion:	152	Resp:	5178715
Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	15.1	9.8	14.8#





#49

Acenaphthene

Concen: 9.026 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

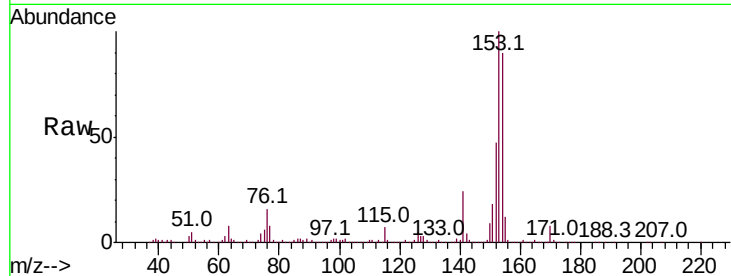
ClientSampleId :

GAHQ2ME

Tot Ion:	153	Resp:	590325
Ion Ratio	Lower	Upper	
153	100		
152	46.7	37.4	56.0
154	90.0	71.2	106.8

Manual Integrations
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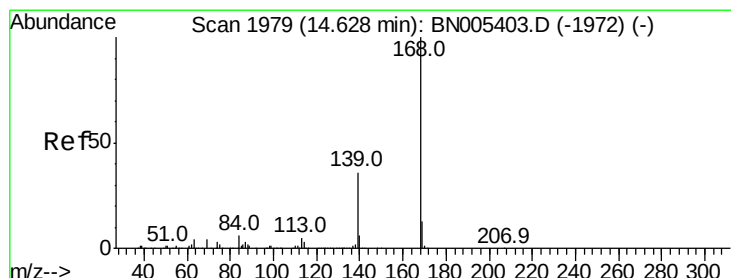
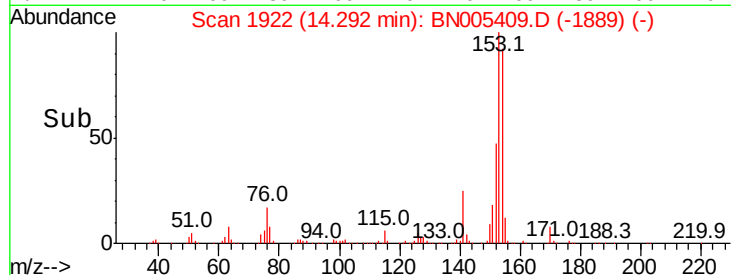
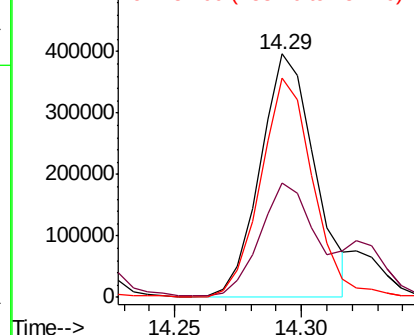


Abundance

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

Dibenzofuran

Concen: 6.591 ng/ul

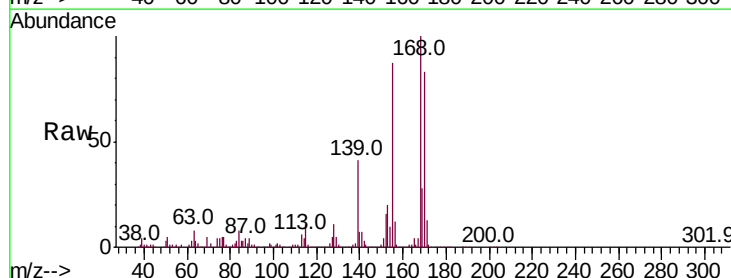
RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

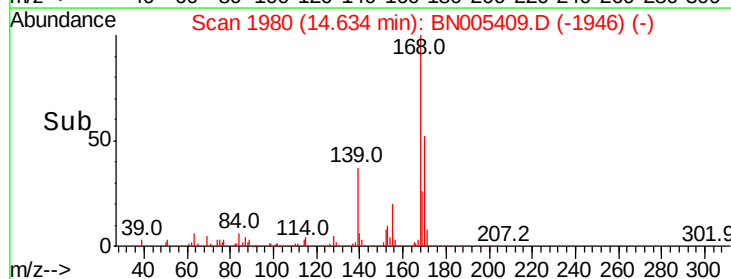
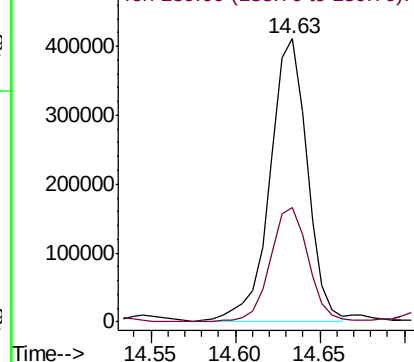
Tgt Ion:	168	Resp:	620639
Ion Ratio	Lower	Upper	
168	100		
139	40.5	30.9	46.3

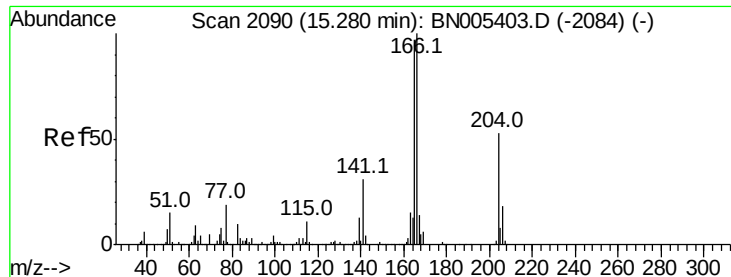


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 44.864 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampled :

GAHQ2ME

Tot Ion:166 Resp: 3296718

Ion Ratio Lower Upper

166 100

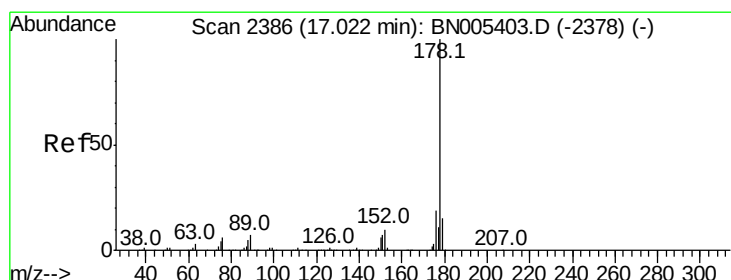
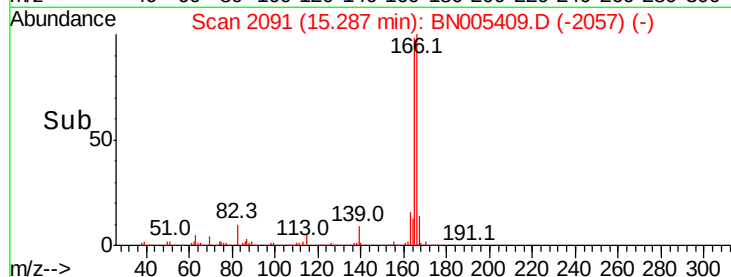
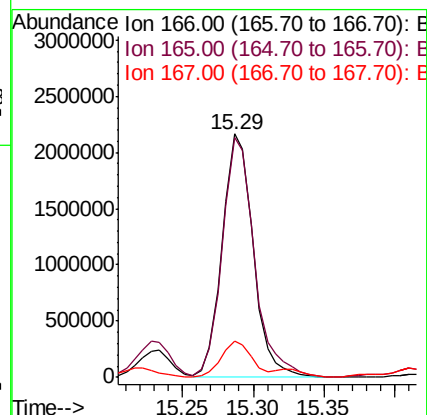
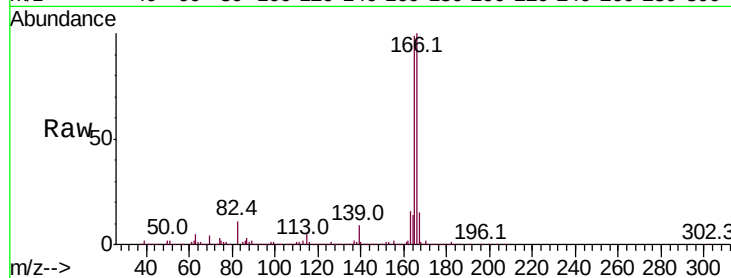
165 98.6 80.0 120.0

167 14.9 10.7 16.1

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#69

Phenanthrene

Concen: 129.768 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

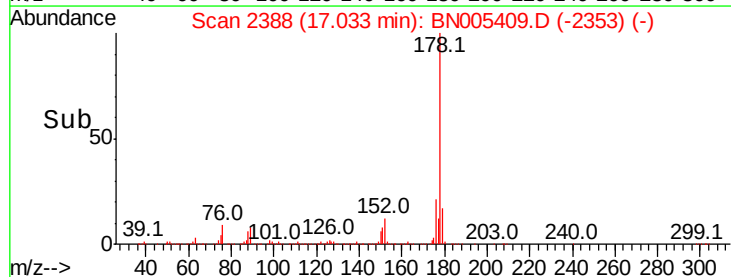
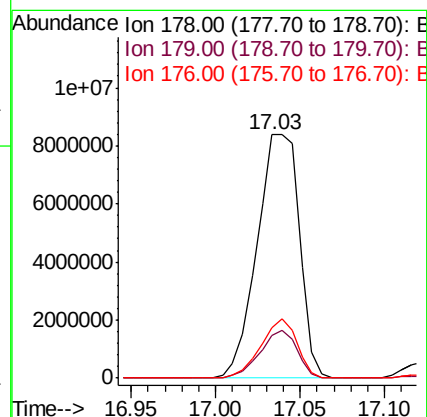
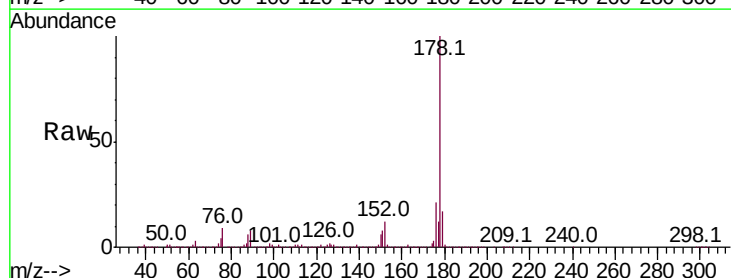
Tgt Ion:178 Resp:14614566

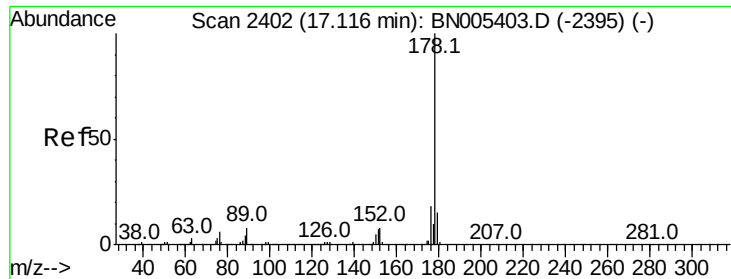
Ion Ratio Lower Upper

178 100

179 17.3 12.2 18.4

176 20.8 15.1 22.7





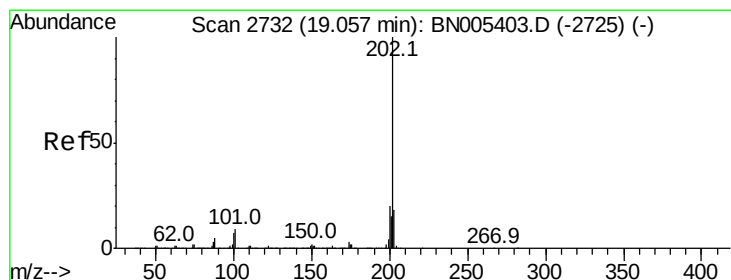
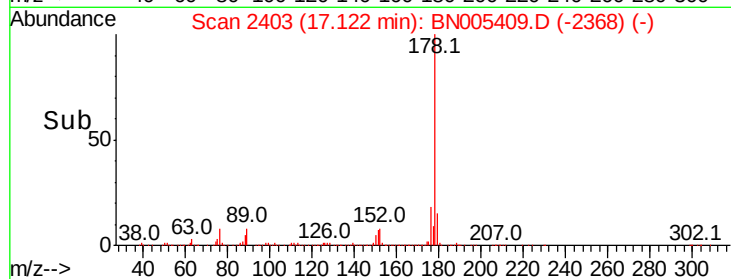
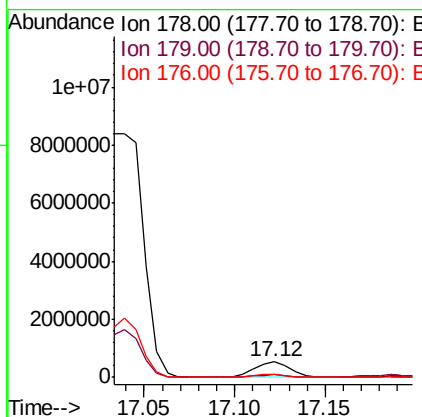
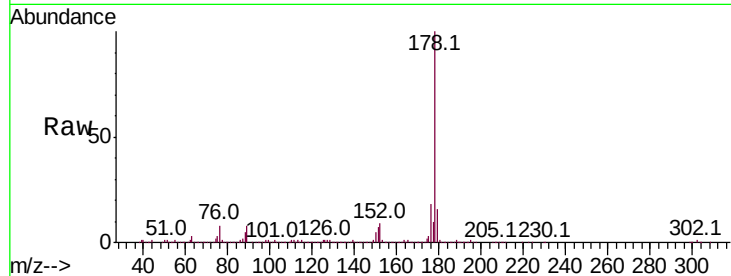
#71
 Anthracene
 Concen: 6.264 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005409.D
 Acq: 01 May 2019 14:12

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ2ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	18.3	15.1	22.7

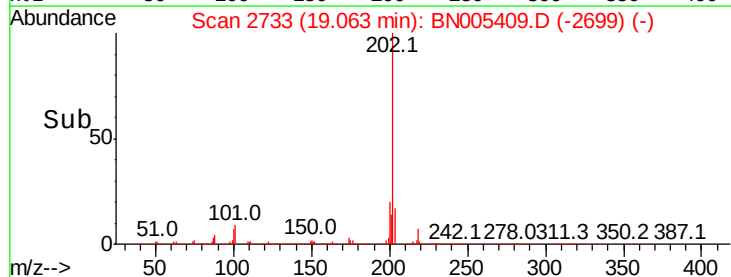
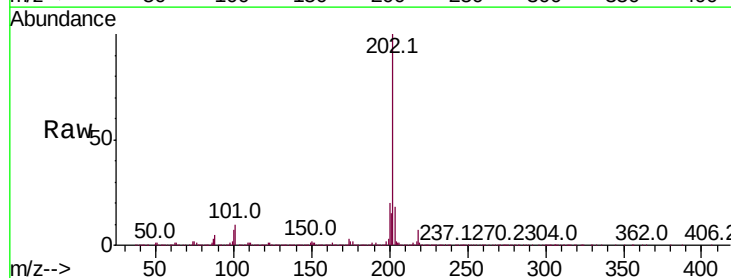
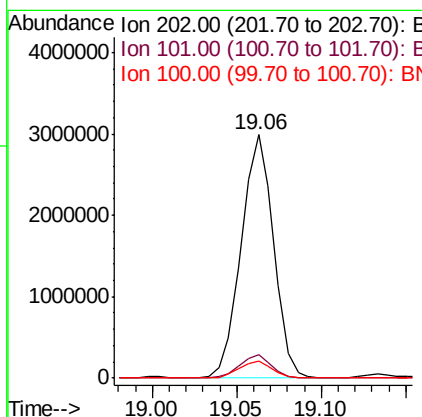
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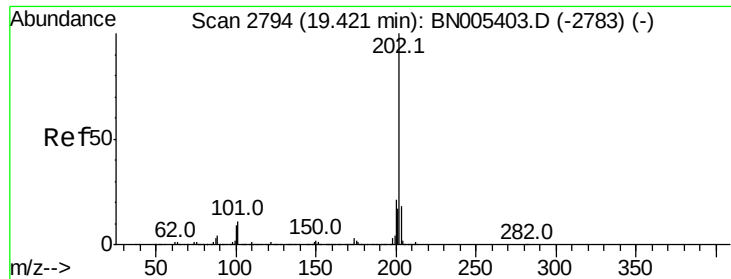
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#76
 Fluoranthene
 Concen: 31.862 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: BN005409.D
 Acq: 01 May 2019 14:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.6	12.8
100	6.8	6.3	9.5





#79

Pvrene

Concen: 55.411 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampled :

GAHQ2ME

Tot Ion:202 Resp: 5536208

Ion Ratio Lower Upper

202 100

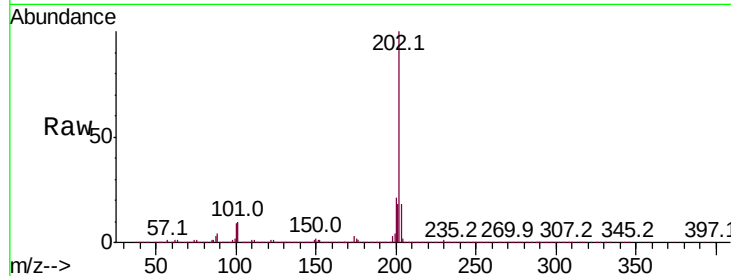
101 10.4 10.3 15.5

100 8.6 7.9 11.9

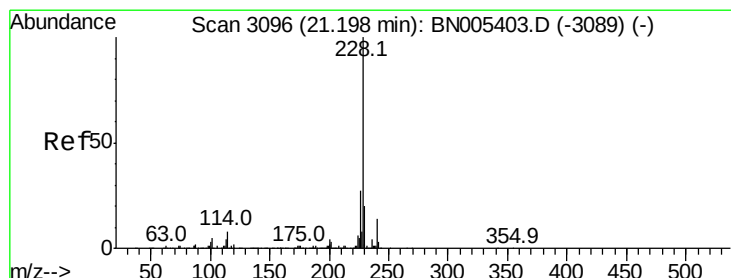
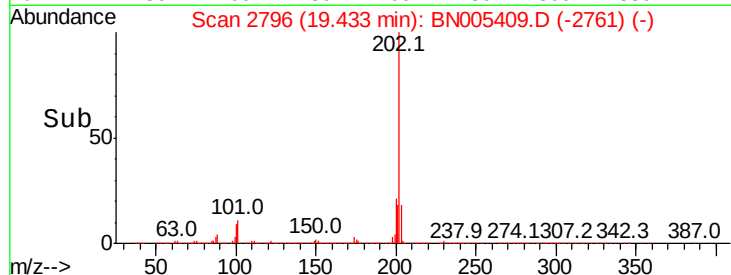
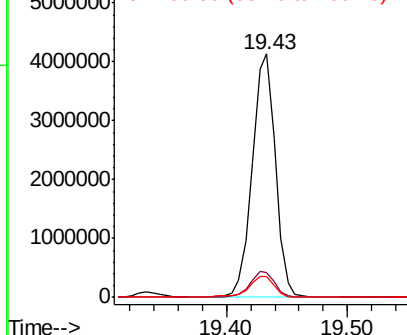
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 15.075 ng/ul m

RT: 21.21 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

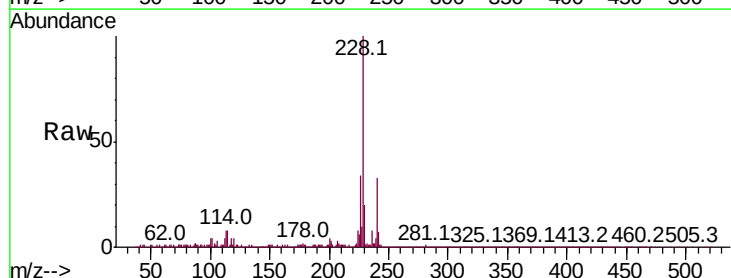
Tgt Ion:228 Resp: 1455284

Ion Ratio Lower Upper

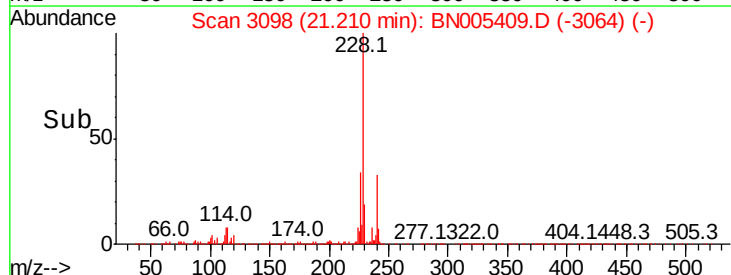
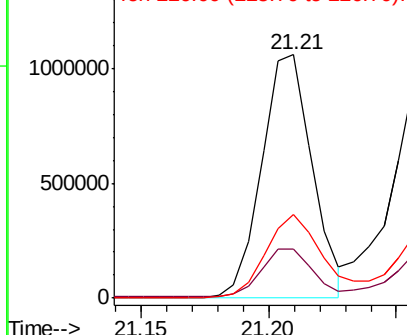
228 100

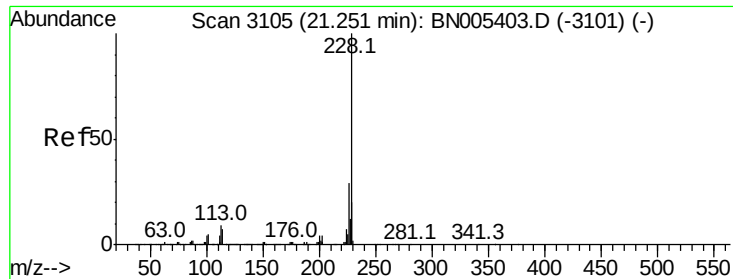
229 20.2 15.8 23.6

226 34.3 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: 15.882 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

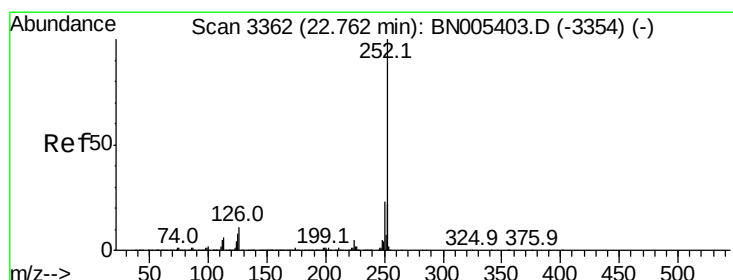
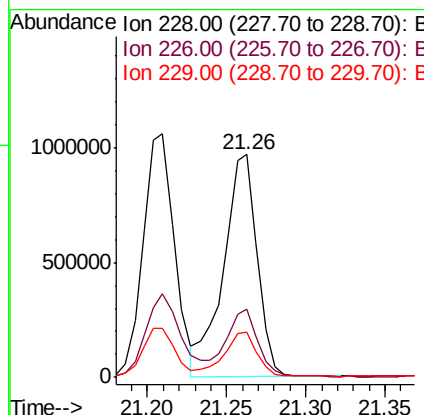
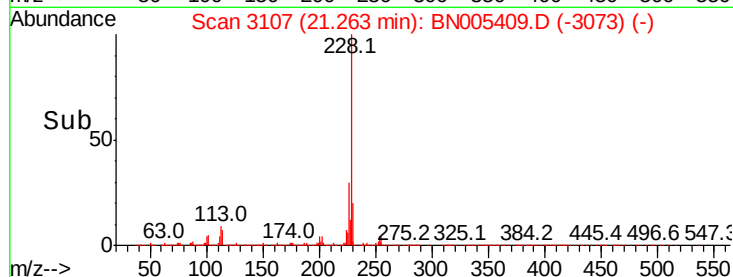
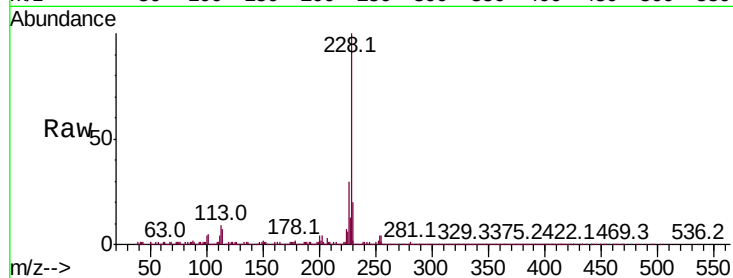
ClientSampled :

GAHQ2ME

Tot Ion:	228	Resp:	1422941
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.2	15.4	23.0

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#87

Benzo(b)fluoranthene

Concen: 10.277 ng/ul

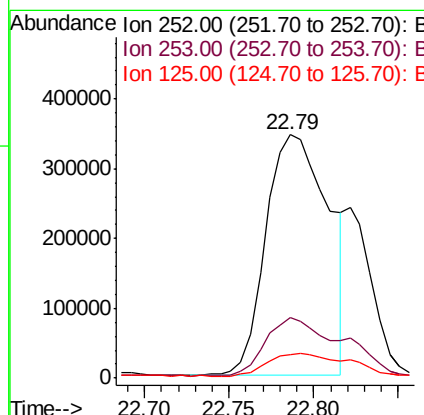
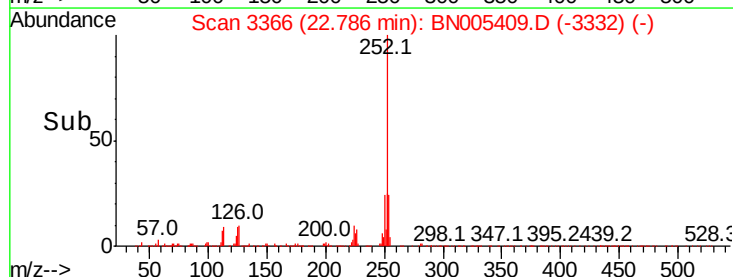
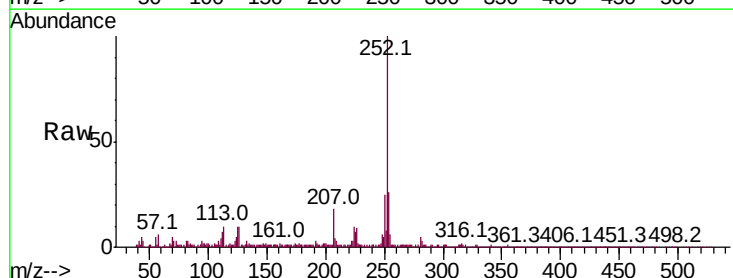
RT: 22.79 min Scan# 3366

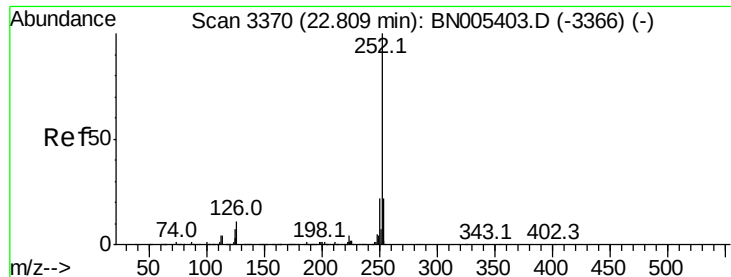
Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Tgt Ion:	252	Resp:	894566
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.7	26.5
125	9.6	8.4	12.6





#88

Benzo(k)fluoranthene

Concen: 3.103 ng/ul m

RT: 22.82 min Scan# 3372

Delta R.T. -0.01 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Instrument :

BNA_N

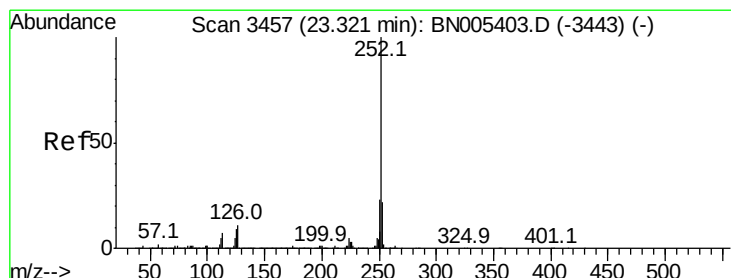
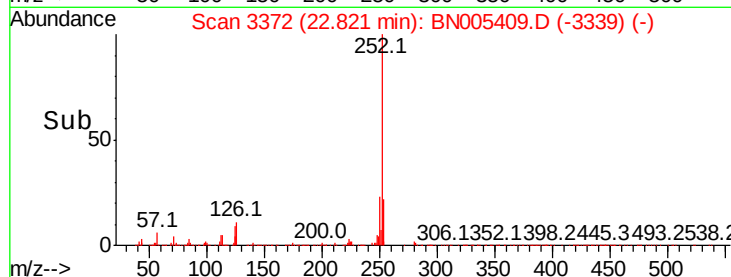
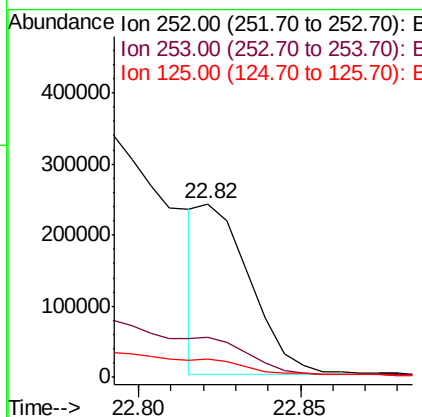
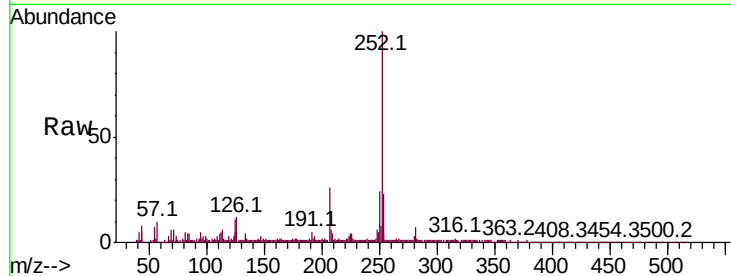
ClientSampleId :

GAHQ2ME

Tot Ion:	252	Resp:	257933
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	10.5	7.5	11.3

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#90

Benzo(a)pyrene

Concen: 3.626 ng/ul

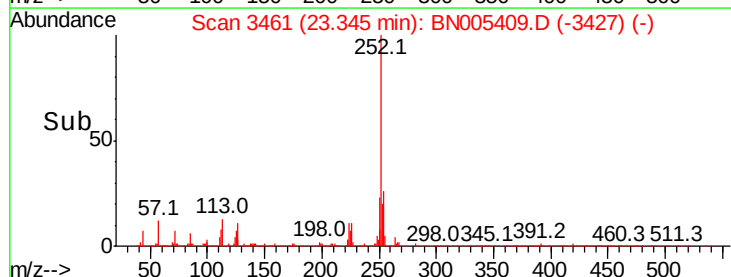
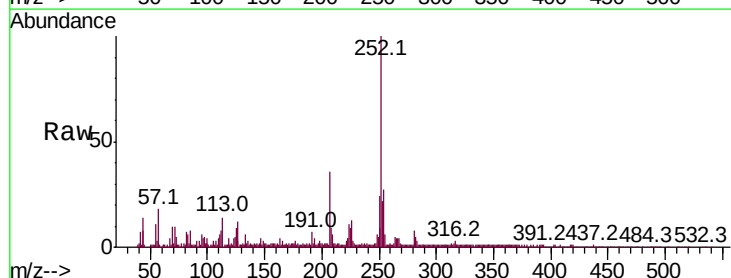
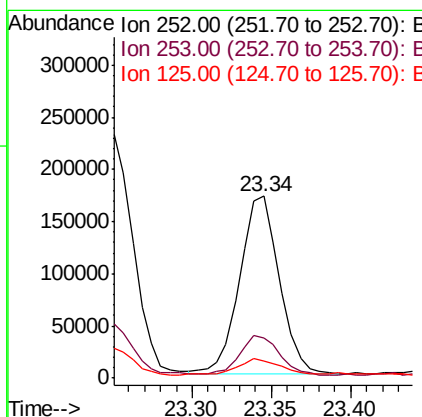
RT: 23.34 min Scan# 3461

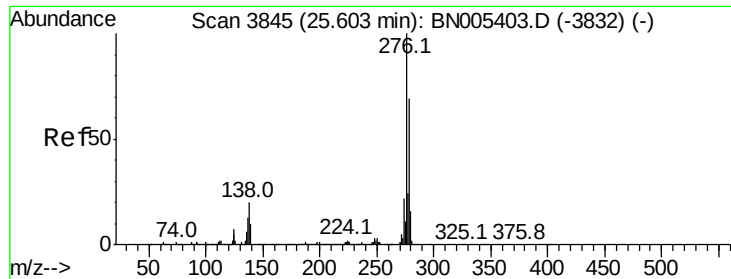
Delta R.T. 0.00 min

Lab File: BN005409.D

Acq: 01 May 2019 14:12

Tgt Ion:	252	Resp:	296674
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.3	25.9
125	9.3	8.6	13.0





#91

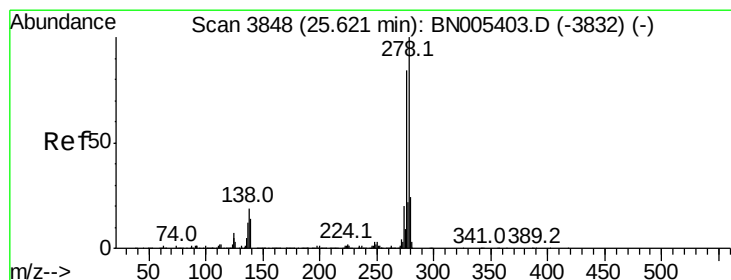
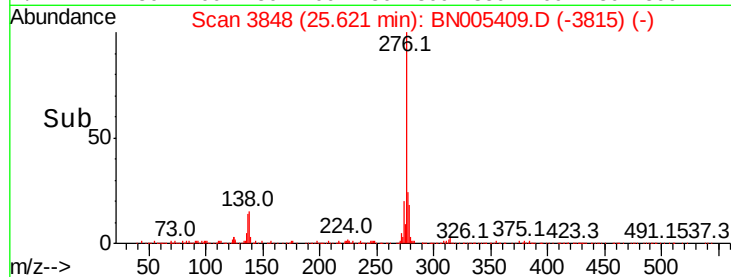
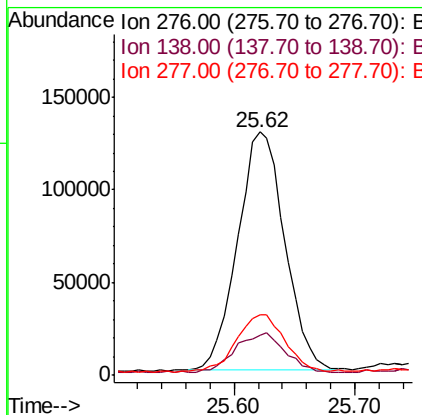
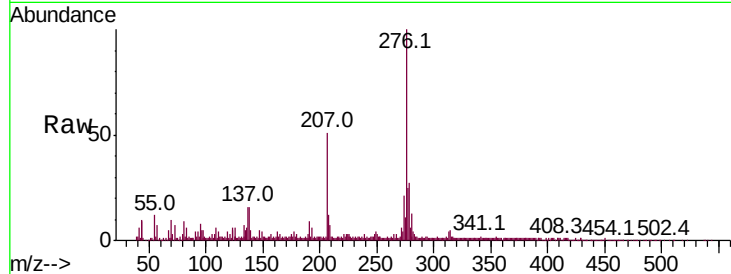
Indeno(1,2,3-cd)pyrene
Concen: 3.851 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BN005409.D
Acq: 01 May 2019 14:12

Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.9	26.9#
277	24.8	19.7	29.5

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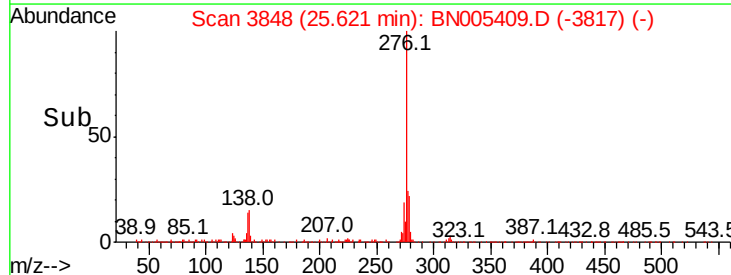
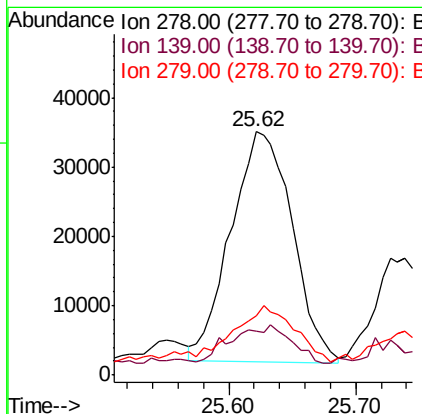
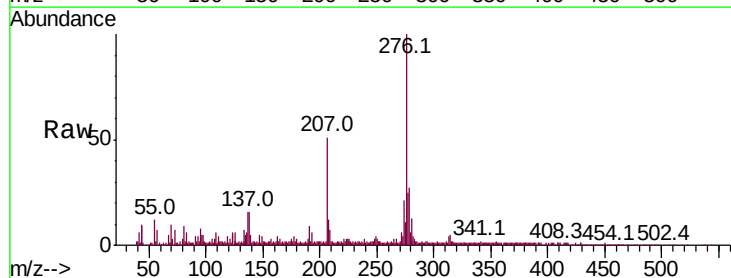
Sohil
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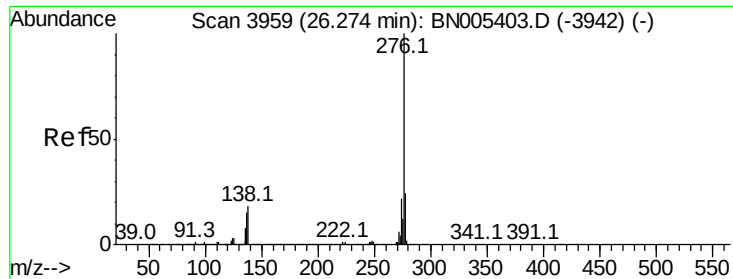


#92

Dibenzo(a,h)anthracene
Concen: 1.454 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BN005409.D
Acq: 01 May 2019 14:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.1	19.7
279	24.2	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 3.445 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.00 min

Lab File: BN005409.D

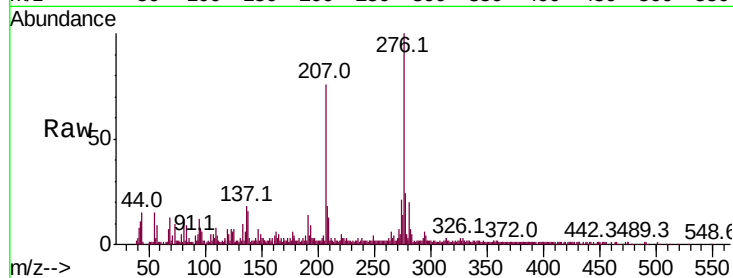
Acq: 01 May 2019 14:12

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME



Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	16.7	25.1
277	24.1	18.2	27.2

Manual Integrations
APPROVED

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5/2/2019 4:57:15 PM

