

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
 Data File : BN005326.D
 Acq On : 26 Apr 2019 21:04
 Operator : JU/SJ
 Sample : K2455-02ME
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ4ME

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:43:25 PM

Quant Time: Apr 27 00:39:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 26 23:25:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	507262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	2058777	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.23	164	1413454	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	3121695	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2658851	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	2544552	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	41790	3.98	ng/uL	0.00
5) Phenol-d5	6.78	99	919381	23.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	581526	23.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	749238	24.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	655011	21.03	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	423930	33.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	444300	34.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	769642	26.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	937008	30.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2568249	25.03	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	3167768	25.14	ng/ul	0.01
51) 4-Nitrophenol-d4	14.44	143	424741	26.22	ng/ul	0.00
57) Fluorene-d10	15.23	176	2206788	25.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	262734	18.71	ng/ul	0.02
70) Anthracene-d10	17.09	188	3537423	27.03	ng/ul	0.01
78) Pyrene-d10	19.40	212	4106080	30.19	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	3169847	28.51	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.41	128	44479815m	464.739	ng/ul	
34) 2-Methylnaphthalene	12.04	142	37894977m	540.744	ng/ul	
40) 1,1'-Biphenyl	13.06	154	6301420	59.834	ng/ul	99
44) Dimethylphthalate	13.70	163	334132	3.268	ng/ul	99
47) Acenaphthylene	13.96	152	14908394	120.377	ng/ul#	91
49) Acenaphthene	14.30	153	1990415	23.542	ng/ul	100
53) Dibenzofuran	14.63	168	2442537	20.065	ng/ul	97
58) Fluorene	15.29	166	10282870	108.254	ng/ul	96
69) Phenanthrene	17.03	178	25110274m	165.165	ng/ul	
71) Anthracene	17.12	178	4853982	31.342	ng/ul	99
76) Fluoranthene	19.06	202	11180043	66.299	ng/ul	100
79) Pyrene	19.43	202	14898787	87.028	ng/ul#	92
82) Benzo(a)anthracene	21.20	228	5753706m	34.785	ng/ul	
84) Chrysene	21.25	228	5034490	32.795	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	2813822	19.672	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	1013254m	7.417	ng/ul	
90) Benzo(a)pyrene	23.32	252	1857524	13.816	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.58	276	1049837	7.063	ng/ul	98
92) Dibenzo(a,h)anthracene	25.59	278	344799	2.733	ng/ul	96
93) Benzo(g,h,i)perylene	26.24	276	895161	7.283	ng/ul	96

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

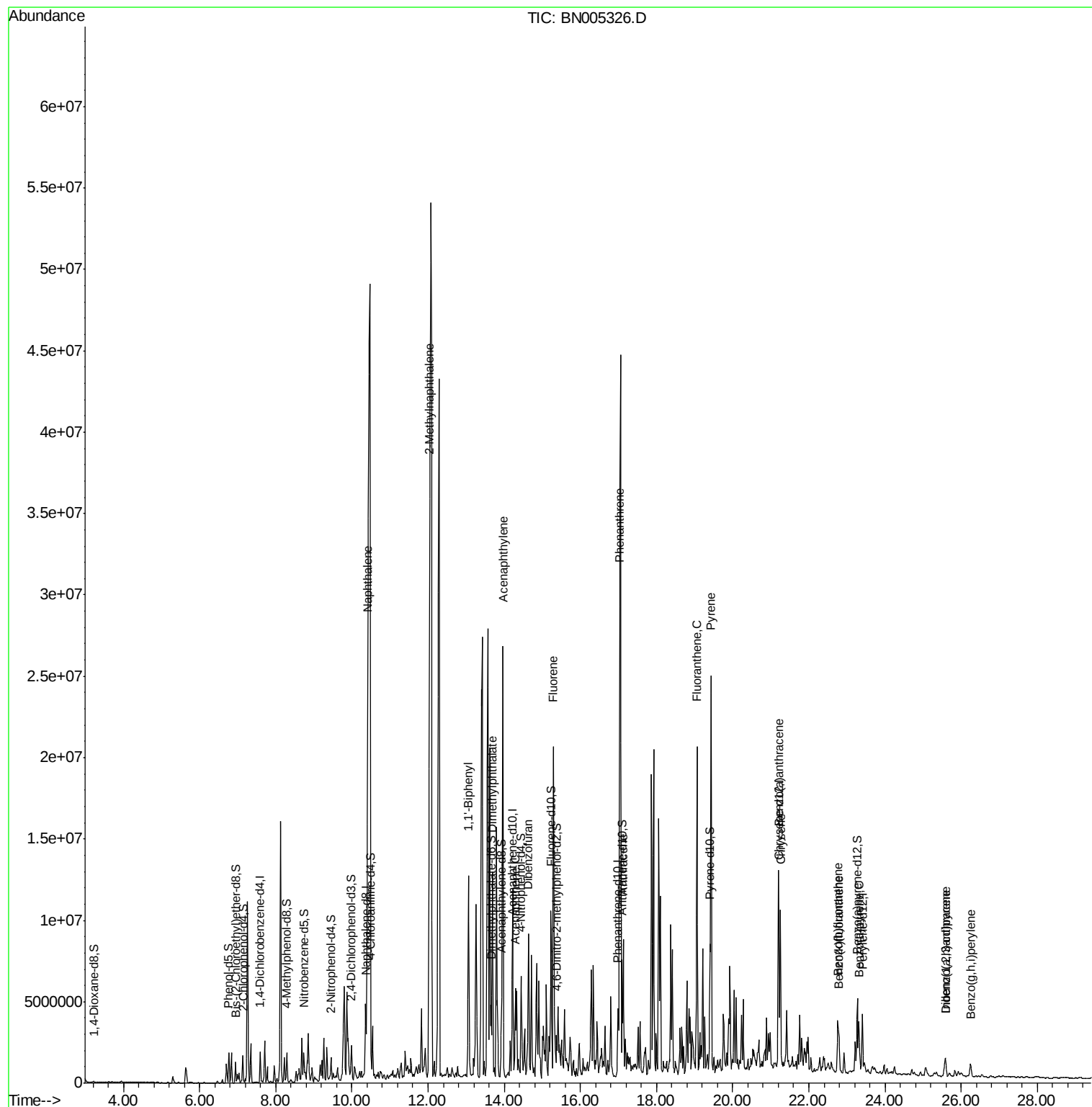
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042619\
Data File : BN005326.D
Acq On : 26 Apr 2019 21:04
Operator : JU/SJ
Sample : K2455-02ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

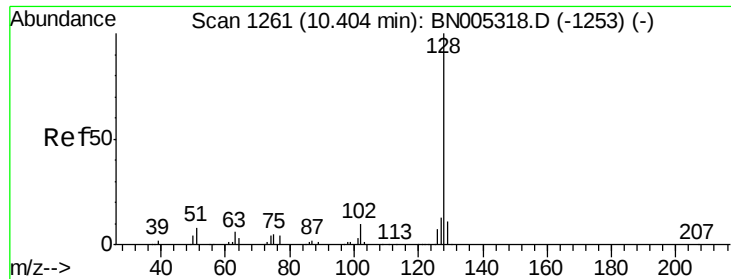
Instrument :
BNA_N
ClientSampleId :
GAHQ4ME

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Quant Title : SVOA CALIBRATION
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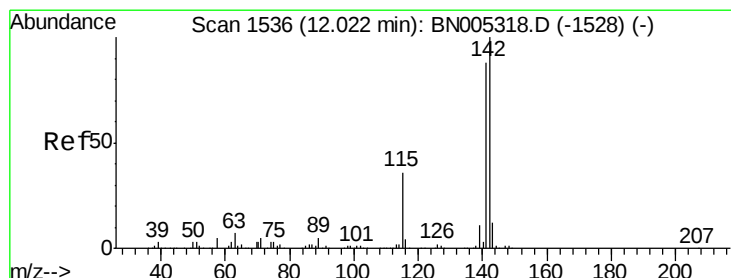
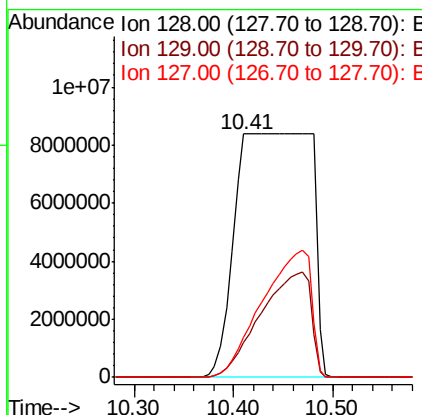
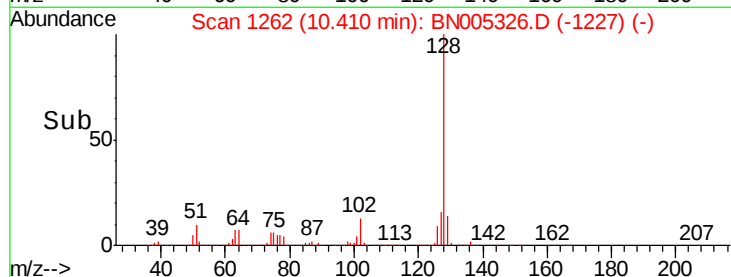
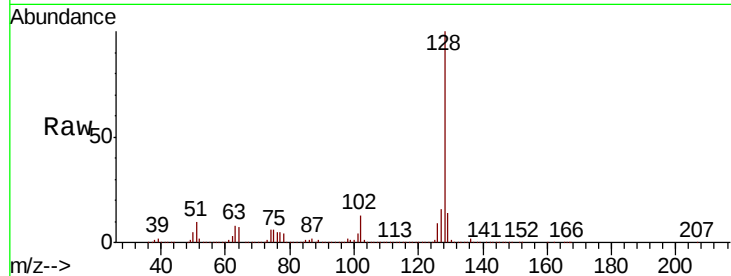
#28
Naphthalene
Concen: 464.739 ng/ul m
RT: 10.41 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Instrument :
BNA_N
ClientSampled :
GAHQ4ME

Tot Ion:128 Resp:44479815
Ion Ratio Lower Upper
128 100
129 14.2 9.2 13.8#
127 16.3 10.7 16.1#

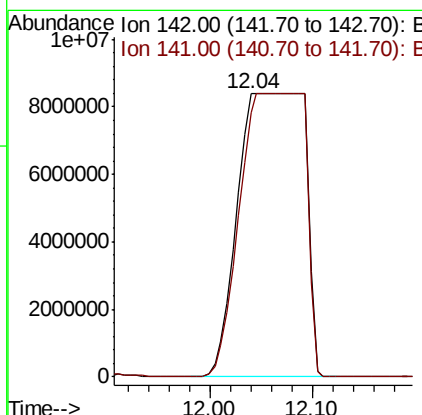
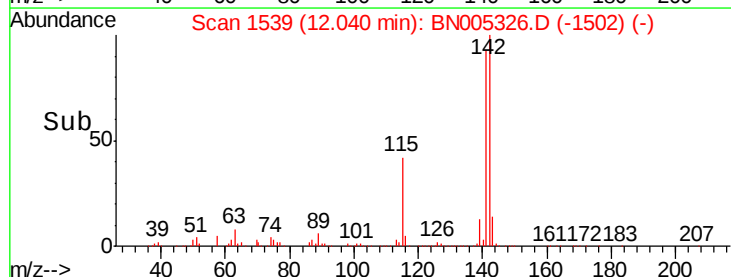
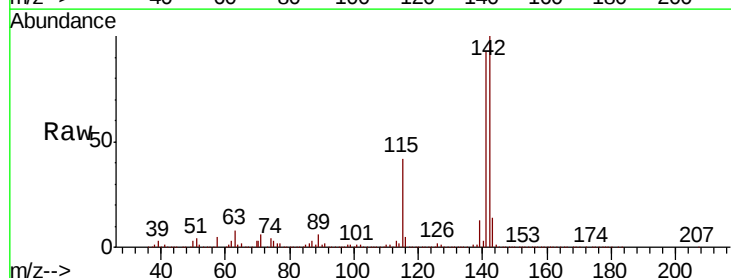
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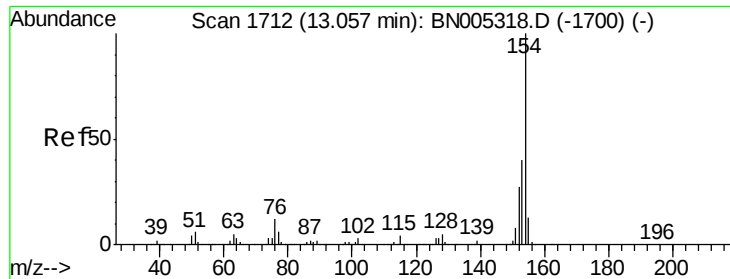
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#34
2-Methylnaphthalene
Concen: 540.744 ng/ul m
RT: 12.04 min Scan# 1539
Delta R.T. 0.02 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Tgt Ion:142 Resp:37894977
Ion Ratio Lower Upper
142 100
141 93.3 72.0 108.0





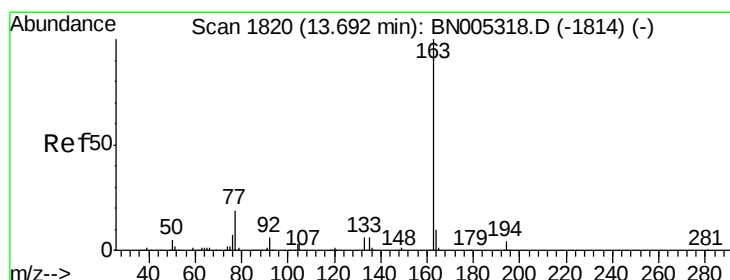
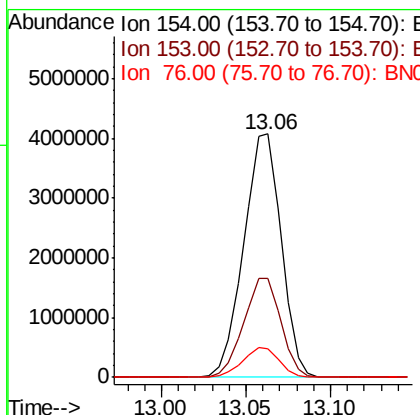
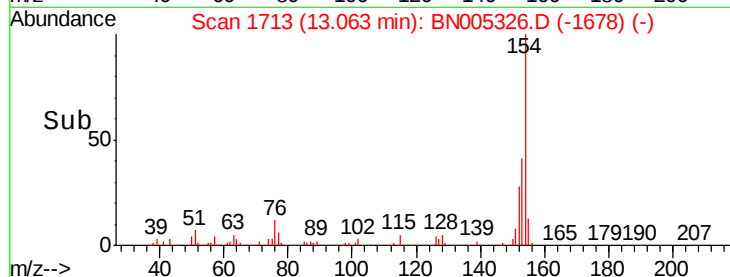
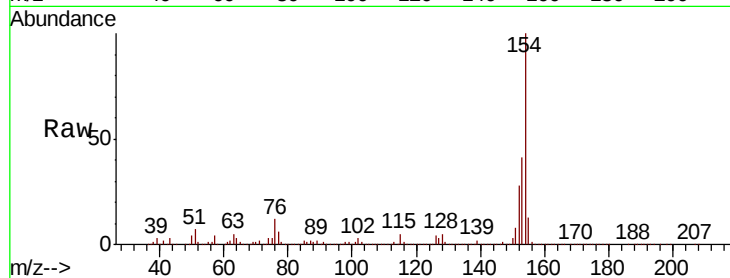
#40
1,1'-Biphenyl
Concen: 59.834 ng/ul
RT: 13.06 min Scan# 1713
Delta R.T. 0.01 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Instrument :
BNA_N
ClientSampled :
GAHQ4ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.6	49.0
76	11.9	10.4	15.6

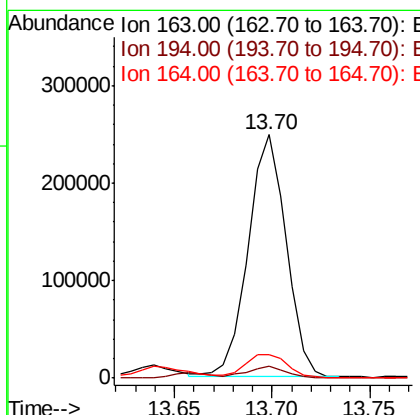
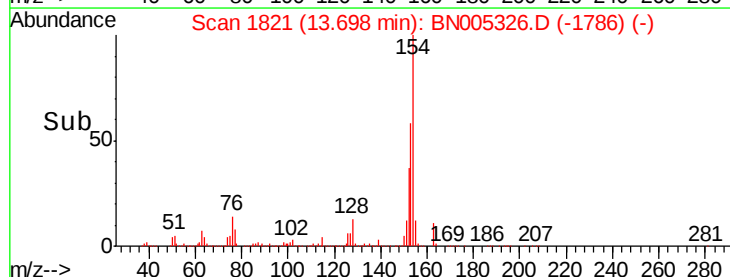
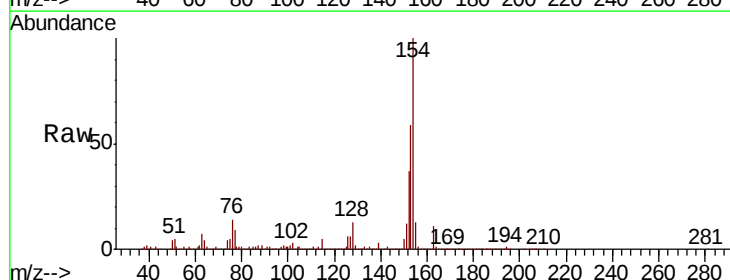
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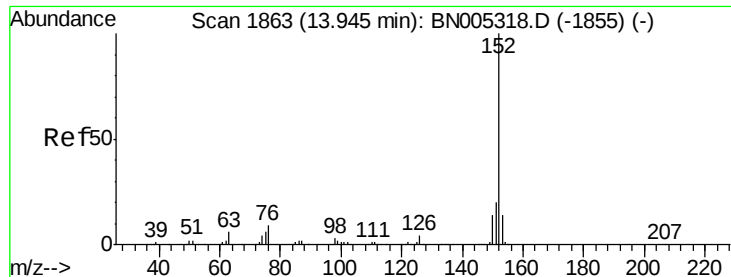
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#44
Dimethylphthalate
Concen: 3.268 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. 0.01 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.0
164	9.9	8.1	12.1





#47

Acenaphthylene

Concen: 120.377 ng/ul

RT: 13.96 min Scan# 1866

Delta R.T. 0.02 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampled :

GAHQ4ME

Tot Ion:152 Resp:14908394

Ion Ratio Lower Upper

152 100

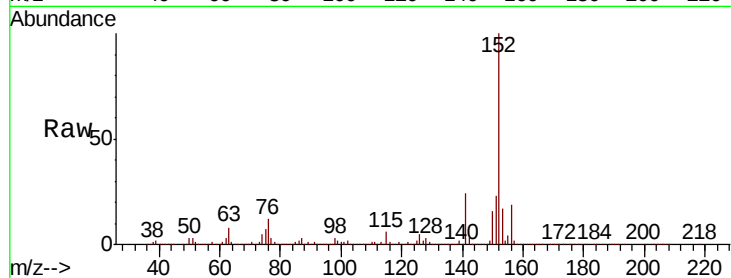
151 23.1 15.8 23.8

153 17.3 9.8 14.8#

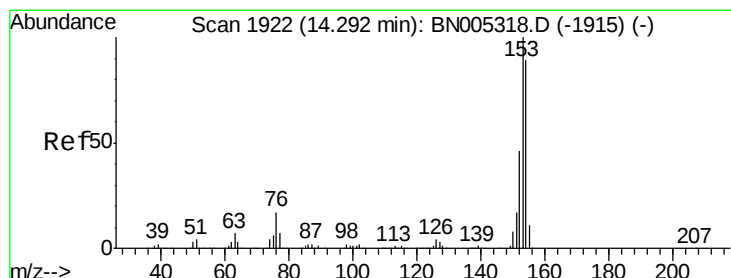
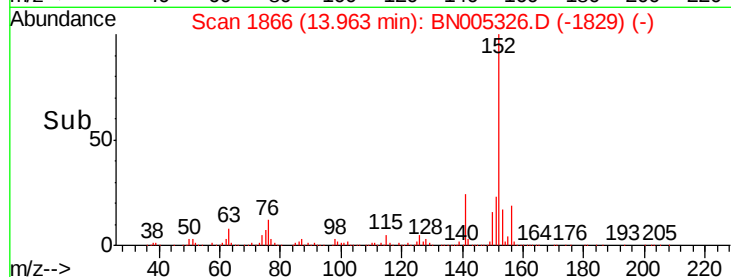
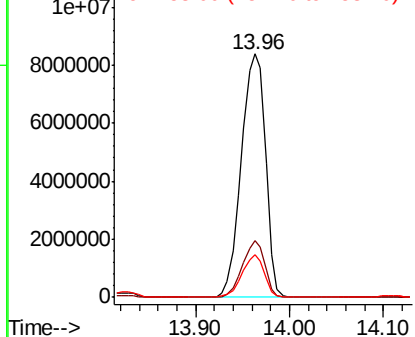
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 23.542 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

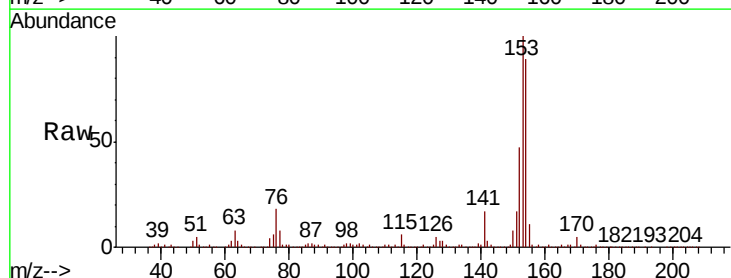
Tgt Ion:153 Resp: 1990415

Ion Ratio Lower Upper

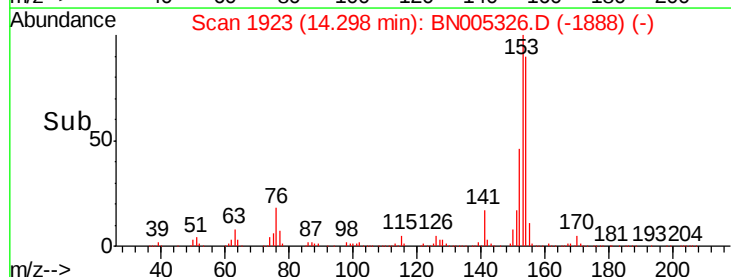
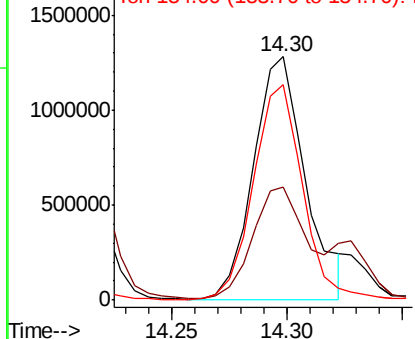
153 100

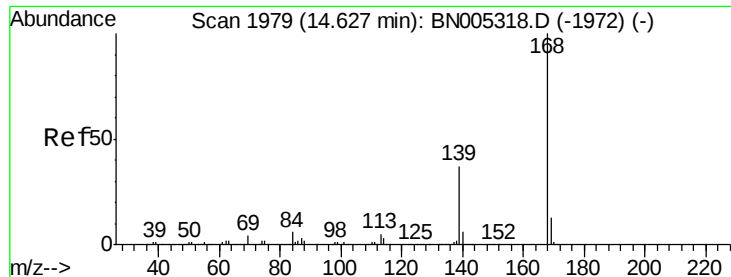
152 46.6 37.4 56.0

154 88.7 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

Dibenzofuran

Concen: 20.065 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleId :

GAHQ4ME

Tot Ion:168 Resp: 2442537

Ion Ratio Lower Upper

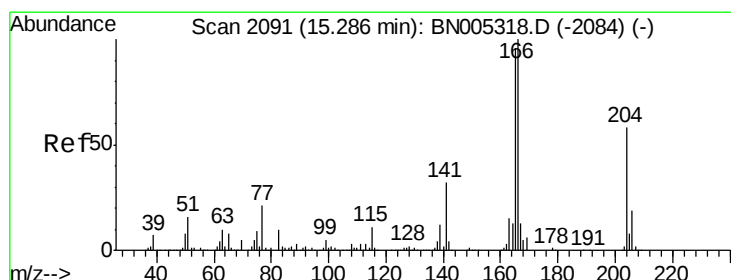
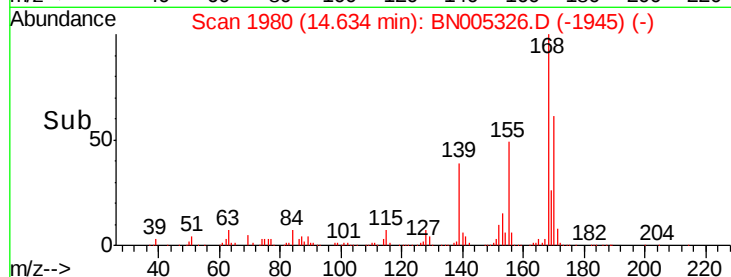
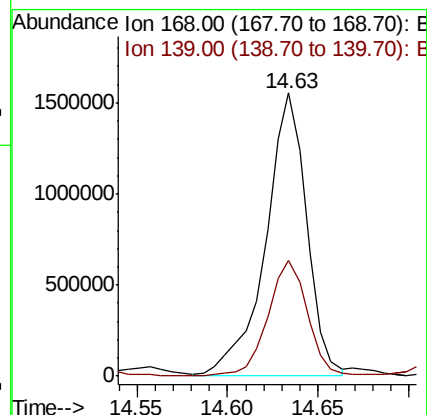
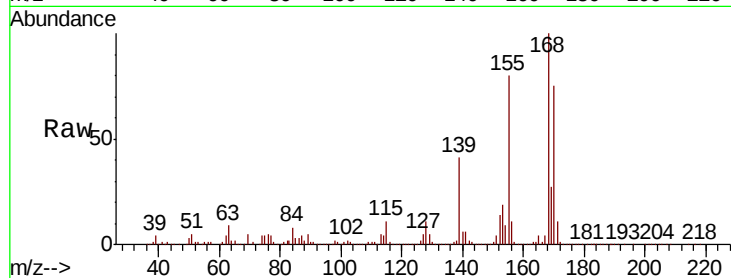
168 100

139 40.7 30.9 46.3

Manual Integrations
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#58

Fluorene

Concen: 108.254 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

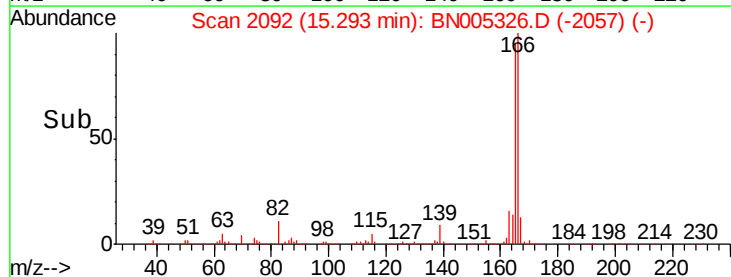
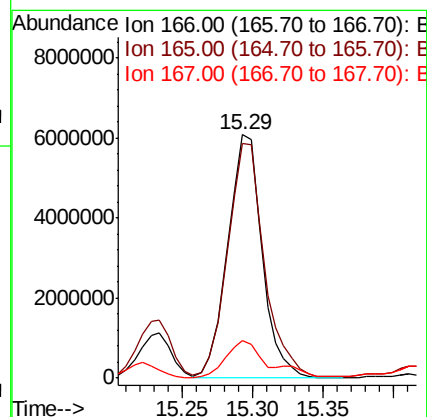
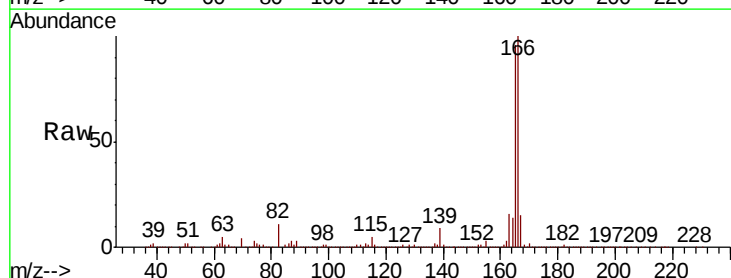
Tgt Ion:166 Resp:10282870

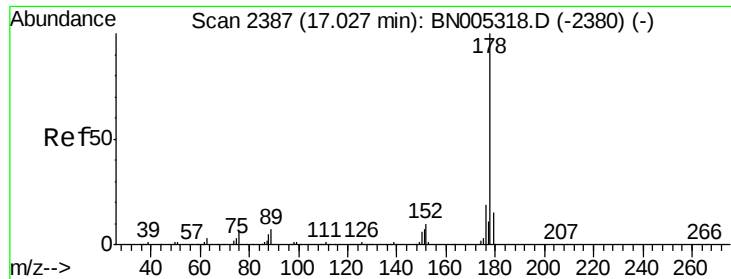
Ion Ratio Lower Upper

166 100

165 96.3 80.0 120.0

167 15.2 10.7 16.1





#69

Phenanthrene

Concen: 165.165 ng/ul m

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampled :

GAHQ4ME

Tot Ion:178 Resp:25110274

Ion Ratio Lower Upper

178 100

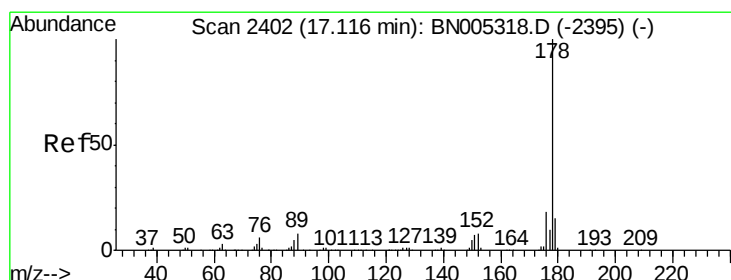
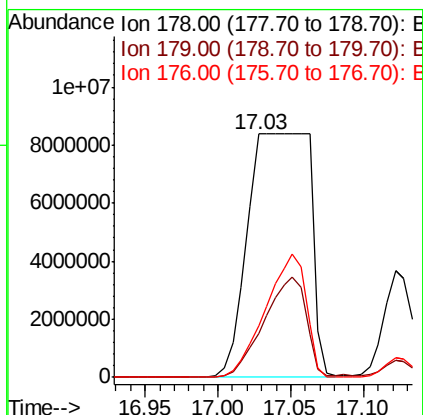
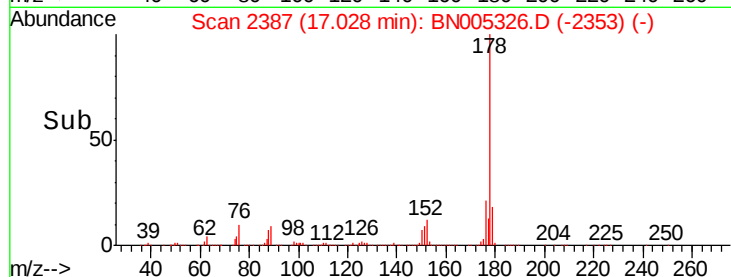
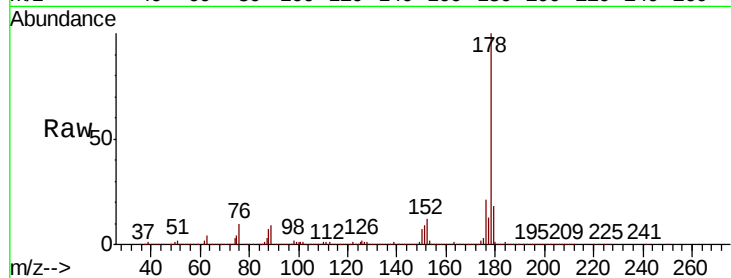
179 18.0 12.2 18.4

176 21.1 15.1 22.7

Manual Integrations
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#71

Anthracene

Concen: 31.342 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

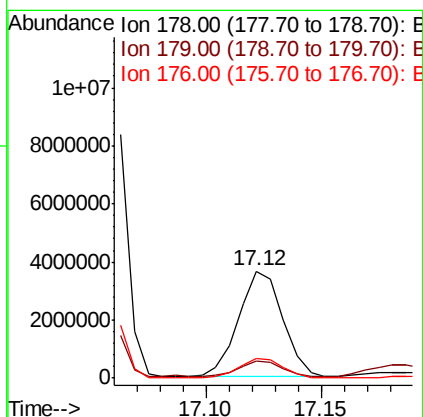
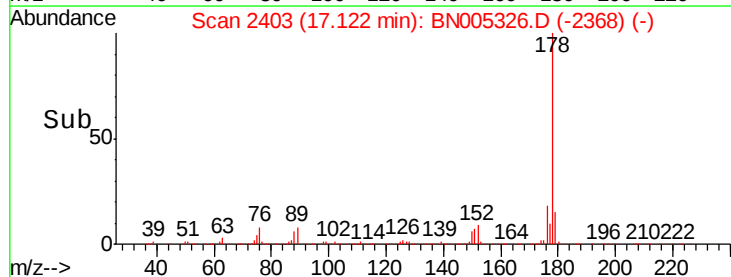
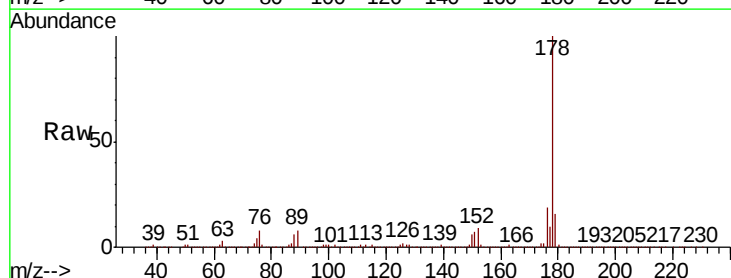
Tgt Ion:178 Resp: 4853982

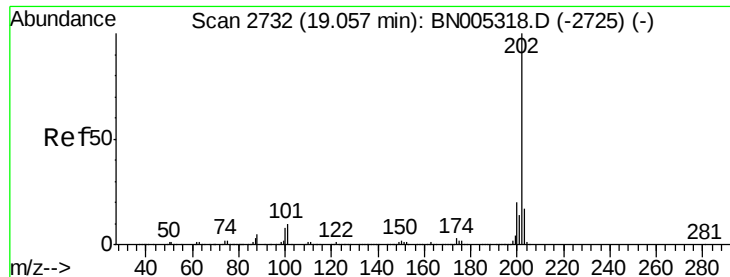
Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

176 18.5 15.1 22.7





#76

Fluoranthene

Concen: 66.299 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

ClientSampleID :

GAHQ4ME

Tot Ion:202 Resp:11180043

Ion Ratio Lower Upper

202 100

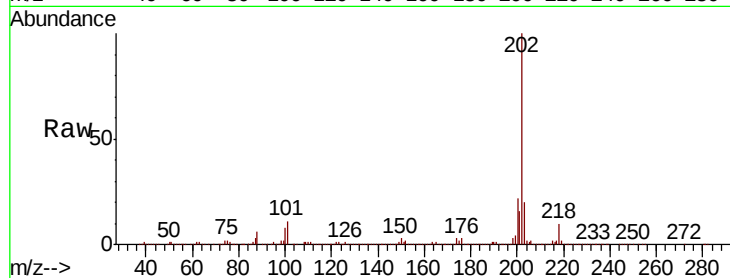
101 10.7 8.6 12.8

100 8.0 6.3 9.5

Manual Integrations
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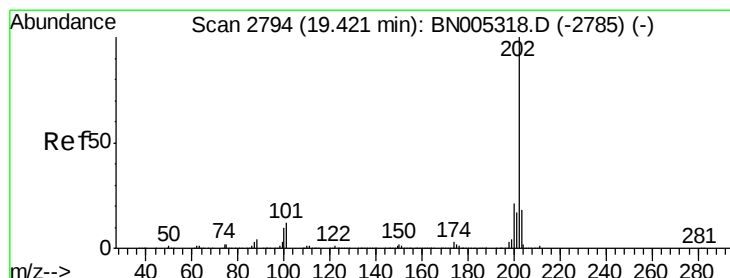
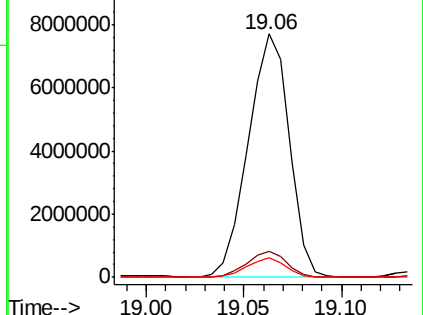
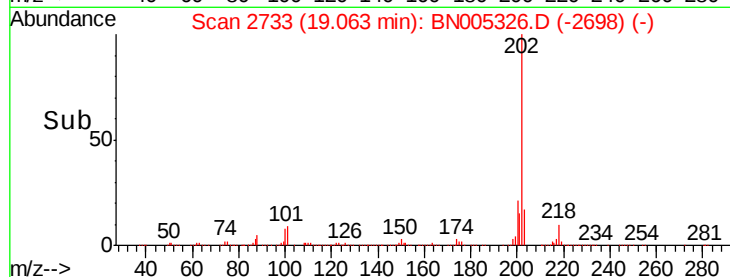
4/29/2019 1:43:25 PM



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: 87.028 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

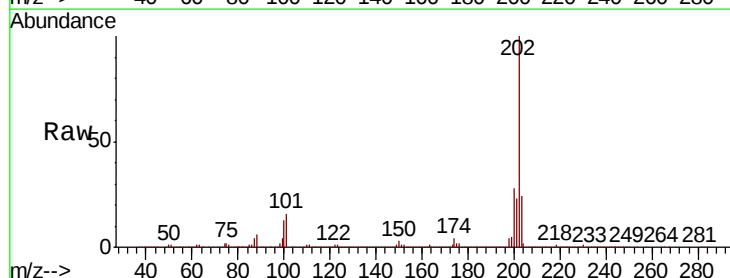
Tgt Ion:202 Resp:14898787

Ion Ratio Lower Upper

202 100

101 16.0 10.3 15.5#

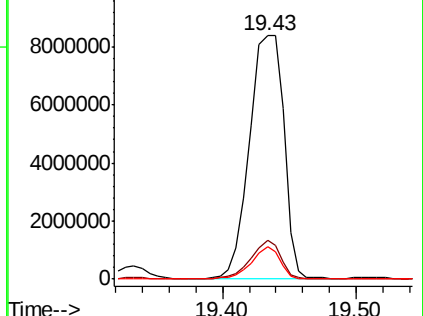
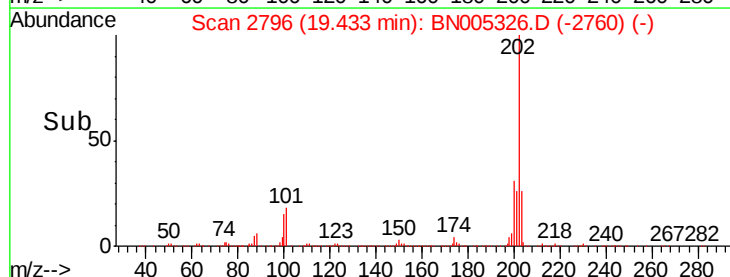
100 13.1 7.9 11.9#

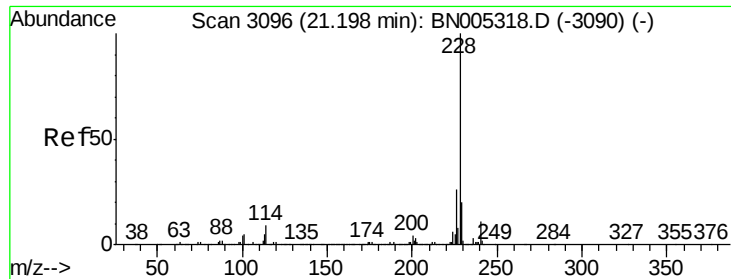


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





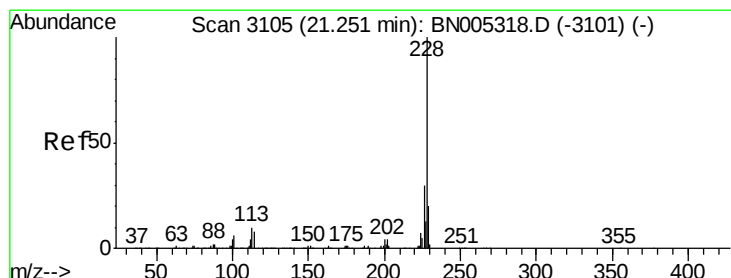
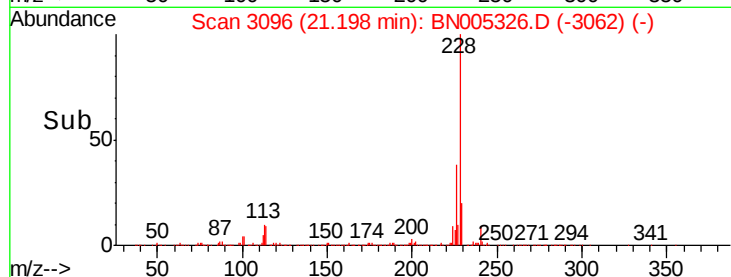
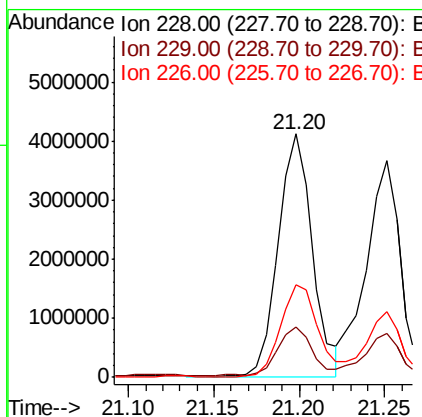
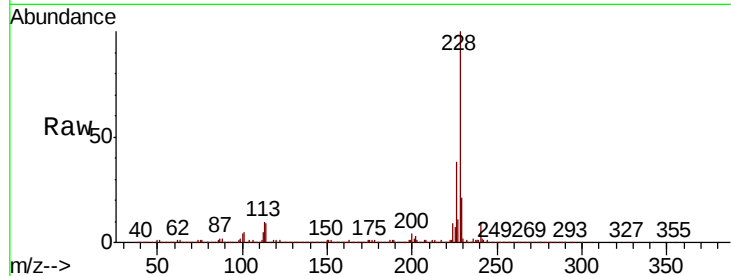
#82
Benzo(a)anthracene
Concen: 34.785 ng/ul m
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Instrument :
BNA_N
ClientSampled :
GAHQ4ME

Tot Ion:228 Resp: 5753706
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.6
226 38.2 21.4 32.2#

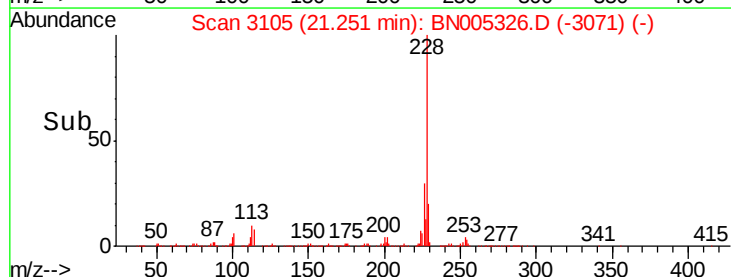
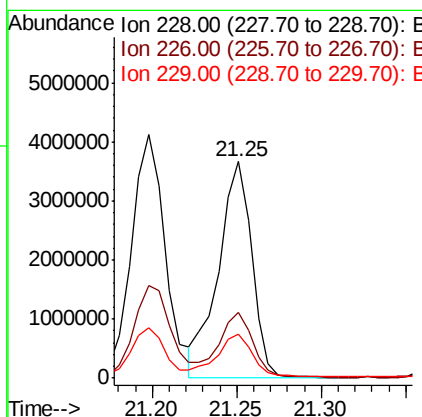
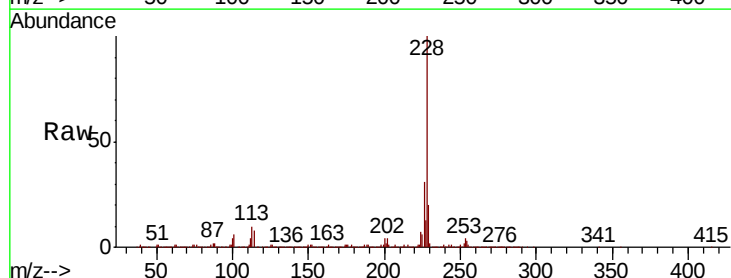
Manual Integrations
APPROVED

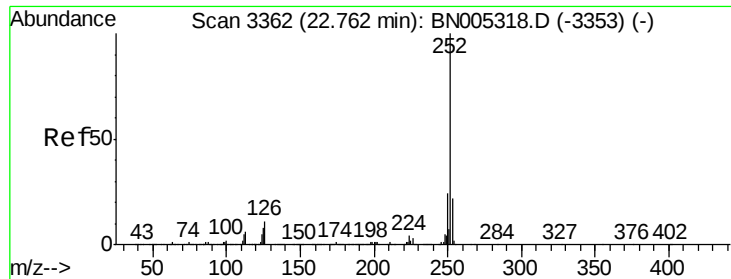
Sohil
4/29/2019 1:43:25 PM



#84
Chrysene
Concen: 32.795 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Tgt Ion:228 Resp: 5034490
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 20.4 15.4 23.0





#87

Benzo(b)fluoranthene

Concen: 19.672 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

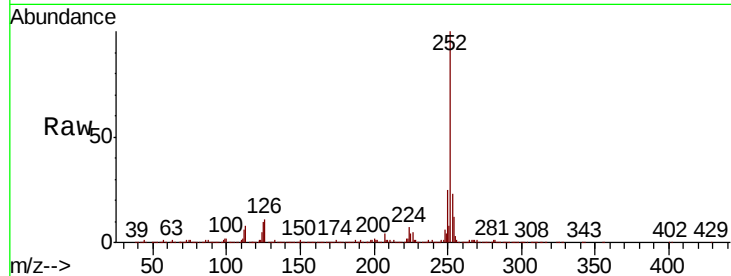
ClientSampleId :

GAHQ4ME

Tot Ion:	252	Resp:	2813822
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.1	8.4	12.6

Manual Integrations
APPROVED

Sohil
4/29/2019 1:43:25 PM

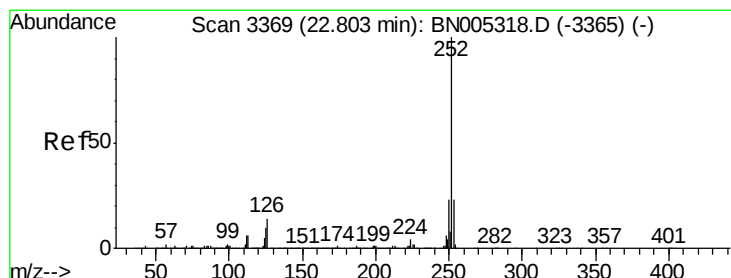
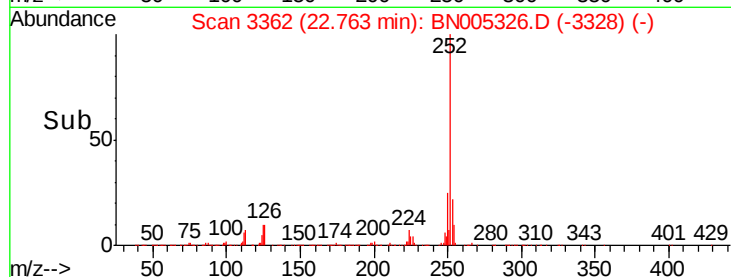
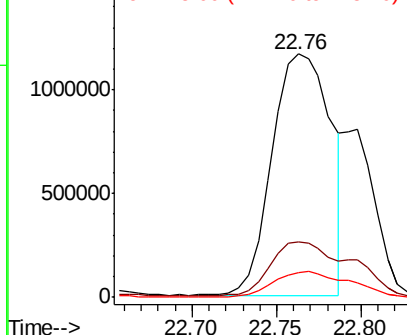


Abundance

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: 7.417 ng/ul m

RT: 22.80 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

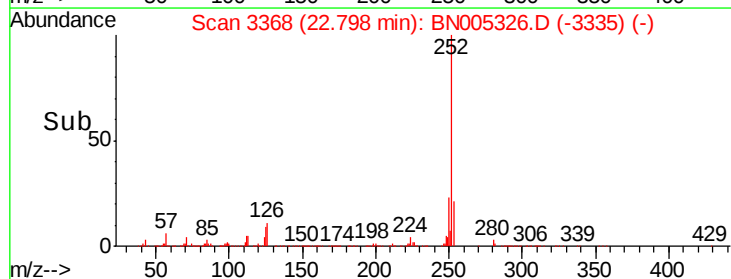
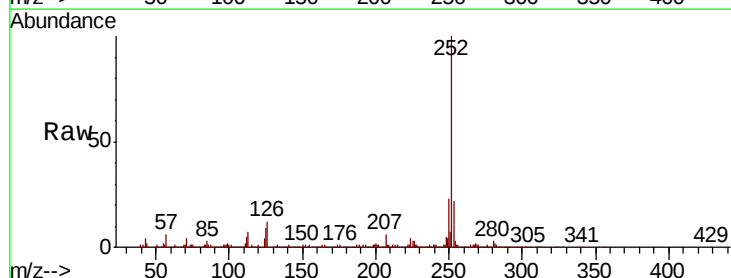
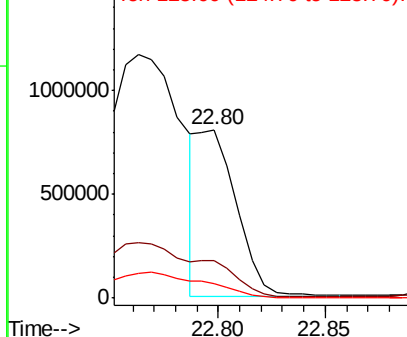
Tgt Ion:	252	Resp:	1013254
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	8.9	7.5	11.3

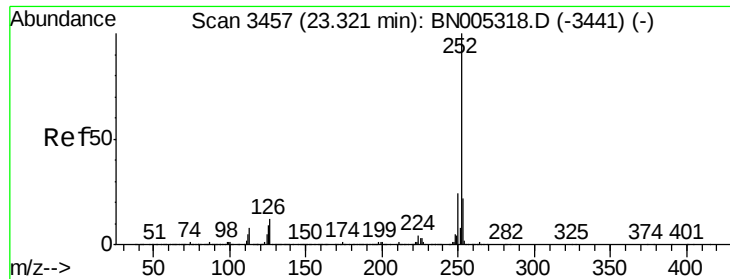
Abundance

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





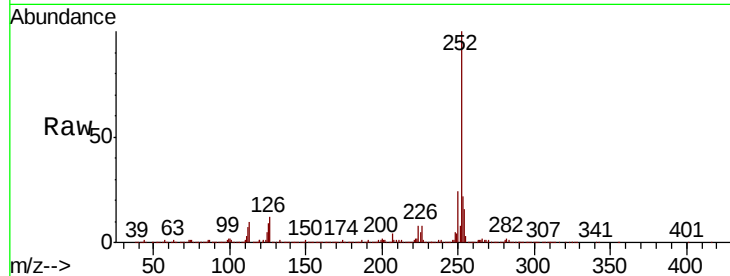
#90
Benzo(a)pyrene
Concen: 13.816 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Instrument :
BNA_N
ClientSampled :
GAHQ4ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	9.2	8.6	13.0

Manual Integrations
APPROVED

Sohil
4/29/2019 1:43:25 PM

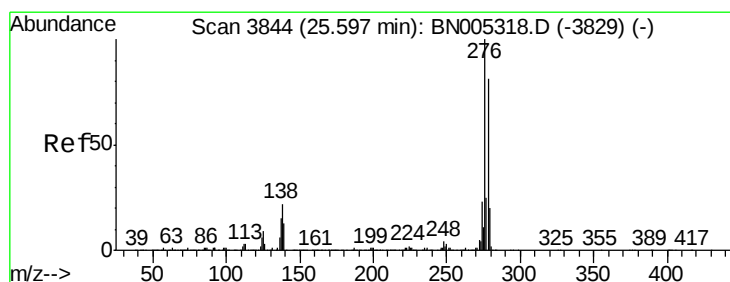
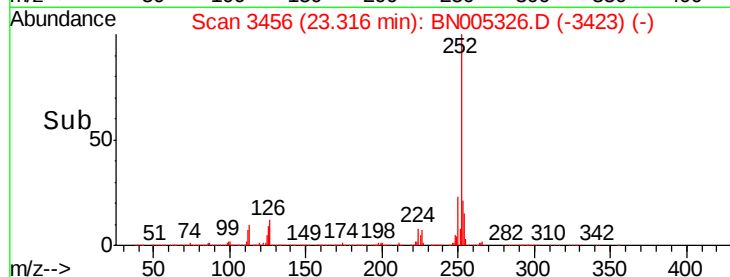
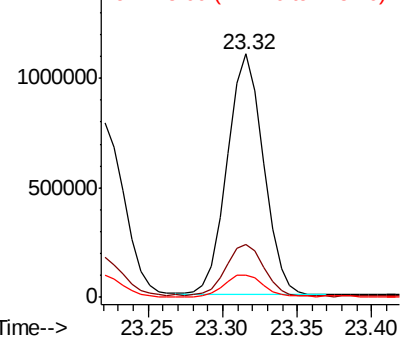


Abundance

Ion 252.00 (251.70 to 252.70): E

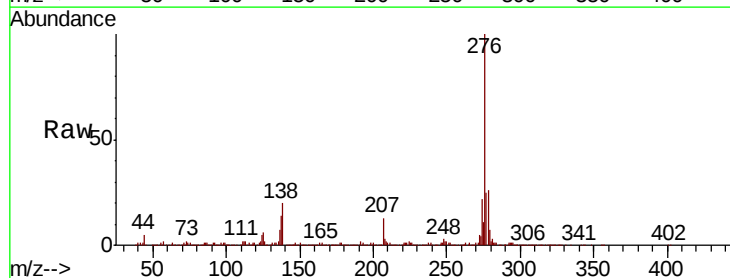
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Indeno(1,2,3-cd)pyrene
Concen: 7.063 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.02 min
Lab File: BN005326.D
Acq: 26 Apr 2019 21:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	17.9	26.9
277	24.9	19.7	29.5

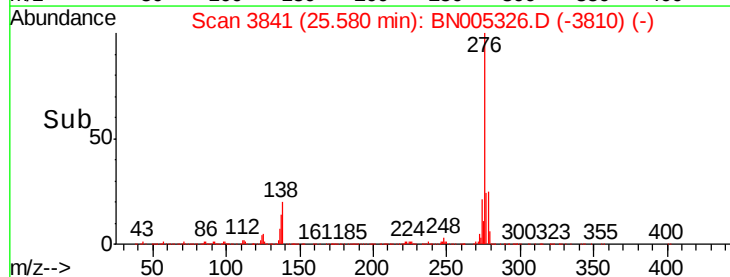
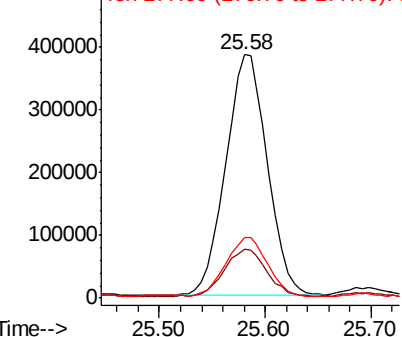


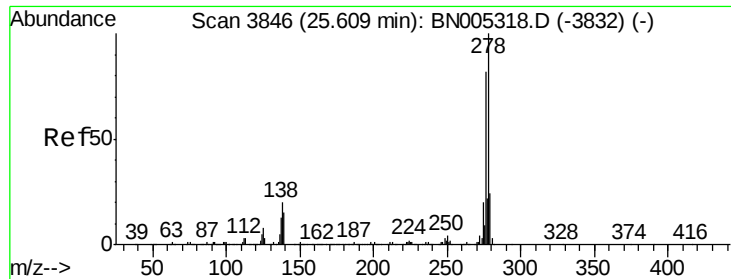
Abundance

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: 2.733 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.02 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Instrument :

BNA_N

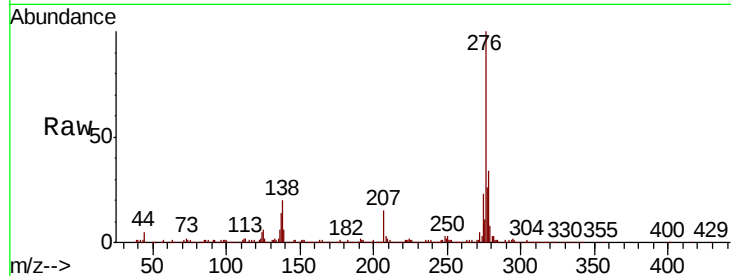
ClientSampled :

GAHQ4ME

Tot Ion:	278	Resp:	344799
Ion Ratio	Lower	Upper	
278	100		
139	19.1	13.1	19.7
279	25.1	19.4	29.0

Manual Integrations
APPROVED

Sohil
4/29/2019 1:43:25 PM

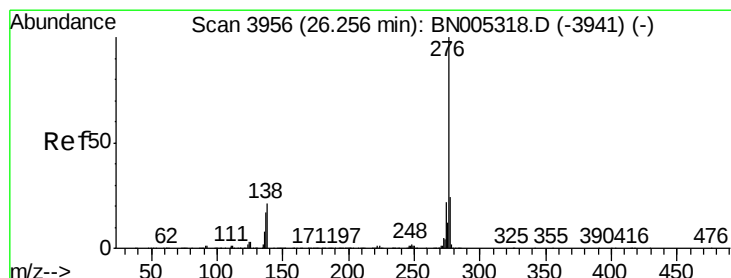
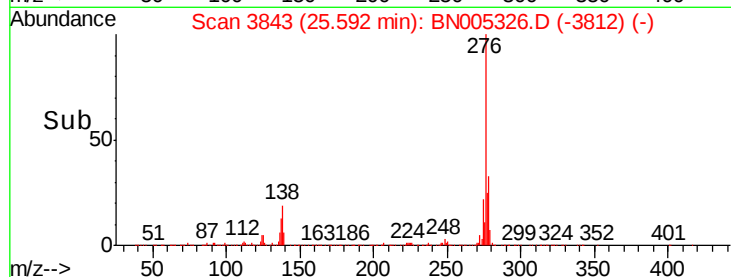
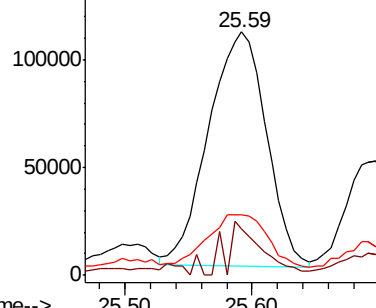


Abundance

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: 7.283 ng/ul

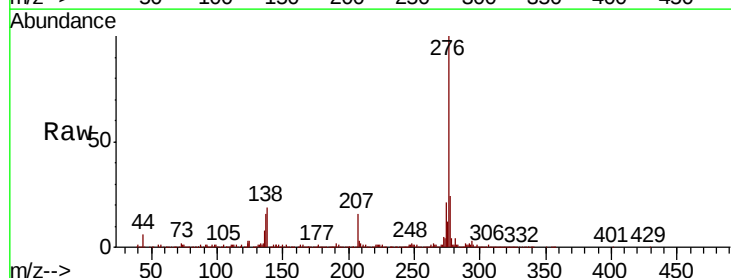
RT: 26.24 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BN005326.D

Acq: 26 Apr 2019 21:04

Tgt Ion:	276	Resp:	895161
Ion Ratio	Lower	Upper	
276	100		
138	18.7	16.7	25.1
277	24.0	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

