

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
 Data File : BN005397.D
 Acq On : 01 May 2019 06:37
 Operator : JU/SJ
 Sample : K2456-02ME
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAHQ2ME

Manual Integrations
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Sohil
 5/1/2019 12:06:08 PM

Quant Time: May 01 07:53:23 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	99119	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	423791	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	301147	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	605331	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	481814	20.00	ng/ul	-0.02
85) Perylene-d12	23.40	264	420045	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	39976	19.47	ng/uL	0.00
5) Phenol-d5	6.78	99	901109	115.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	533298	109.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	744001	124.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	680638	111.85	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	383006	146.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	437120	165.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	763374	125.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	942785	150.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2217310	101.43	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	2793851	104.06	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	372391	107.88	ng/ul	0.00
57) Fluorene-d10	15.23	176	1964244	107.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	255768	93.94	ng/ul	0.00
70) Anthracene-d10	17.08	188	2922089	115.15	ng/ul	0.00
78) Pyrene-d10	19.40	212	3299736	133.88	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	2317463	126.24	ng/ul	-0.04

Target Compounds

					Ovalue	
6) Phenol	6.80	94	10487	1.310	ng/ul#	78
14) Acetophenone	8.40	105	32695	3.357	ng/ul	86
28) Naphthalene	10.41	128	24251115m	1230.937	ng/ul	
34) 2-Methylnaphthalene	12.04	142	20766669m	1439.575	ng/ul	
40) 1,1'-Biphenyl	13.05	154	2525467	112.552	ng/ul	98
44) Dimethylphthalate	13.69	163	540279	24.803	ng/ul	99
47) Acenaphthylene	13.95	152	5385655	204.106	ng/ul#	97
49) Acenaphthene	14.29	153	694881	38.575	ng/ul	100
53) Dibenzofuran	14.63	168	673001	25.949	ng/ul	97
58) Fluorene	15.29	166	3525848	174.219	ng/ul	98
69) Phenanthrene	17.03	178	15379813	521.693	ng/ul	94
71) Anthracene	17.12	178	742226	24.715	ng/ul	99
76) Fluoranthene	19.06	202	4873541	149.040	ng/ul	97
79) Pyrene	19.43	202	6911807	222.800	ng/ul	96
82) Benzo(a)anthracene	21.19	228	1939184	64.696	ng/ul	95
84) Chrysene	21.24	228	1817802	65.345	ng/ul	99
87) Benzo(b)fluoranthene	22.76	252	1064092	45.066	ng/ul	97
88) Benzo(k)fluoranthene	22.79	252	337300m	14.957	ng/ul	
90) Benzo(a)pyrene	23.32	252	346762	15.624	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	401886	16.378	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.59	278	123500	5.931	ng/ul	97
93) Benzo(a,h,i)perylene	26.25	276	284593	14.027	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

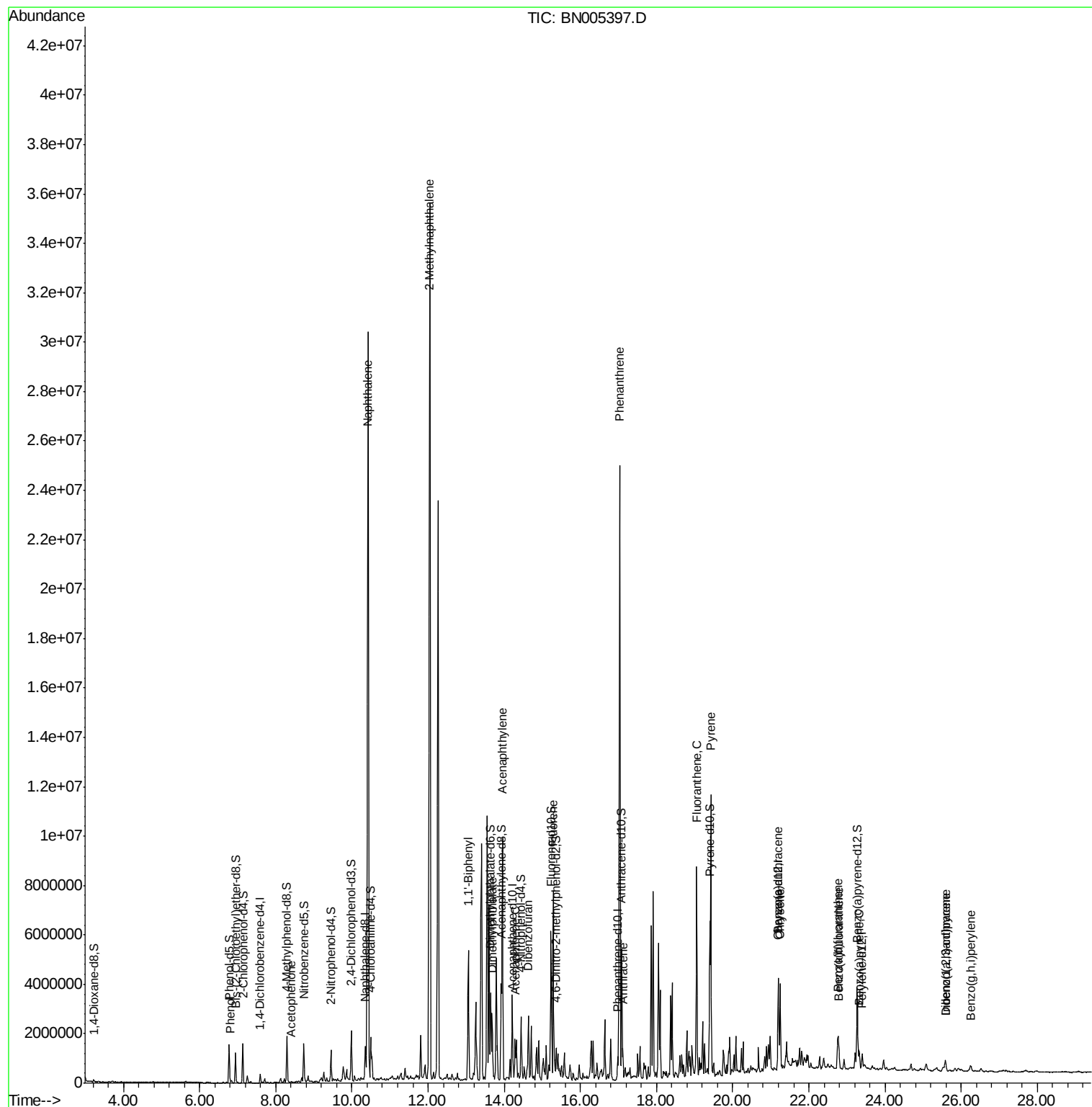
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN043019\
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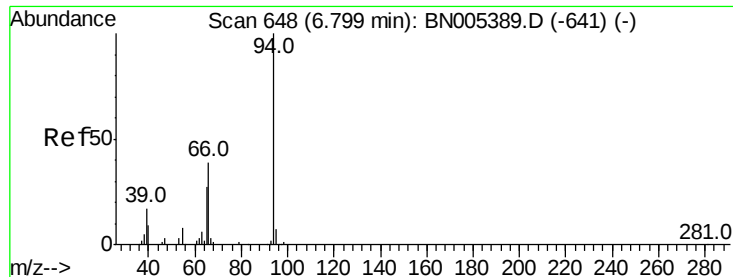
Instrument :
BNA_N
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Response via : Initial Calibration





#6

Phenol

Concen: 1.310 ng/ul

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

Tot Ion: 94 Resp: 10487

Ion Ratio Lower Upper

94 100

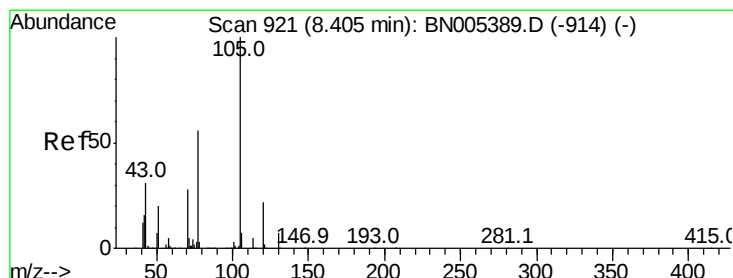
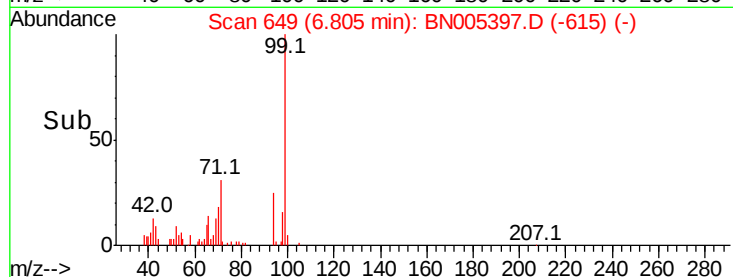
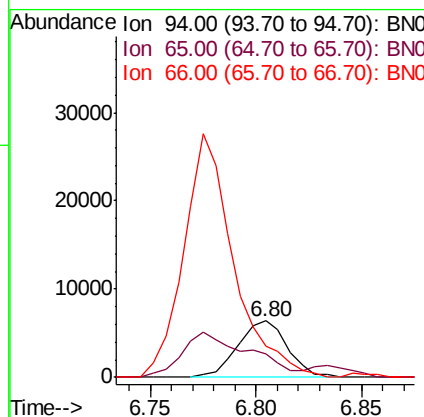
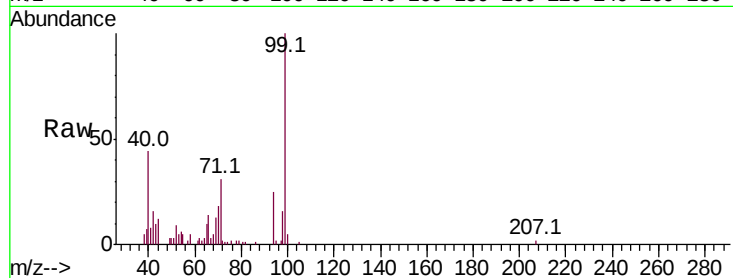
65 41.8 24.2 36.4#

66 56.1 33.8 50.6#

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#14

Acetophenone

Concen: 3.357 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. -0.01 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

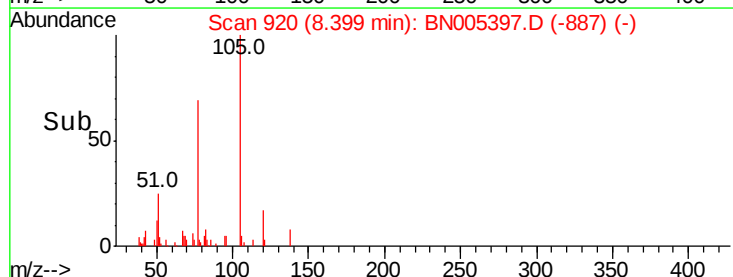
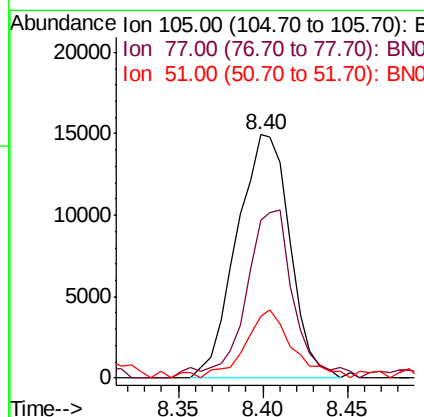
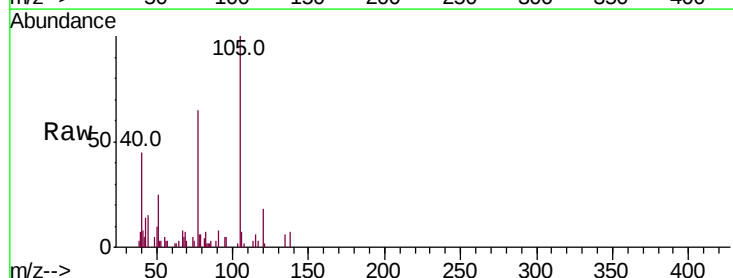
Tgt Ion: 105 Resp: 32695

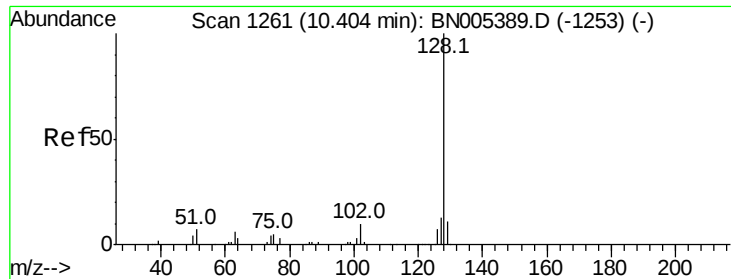
Ion Ratio Lower Upper

105 100

77 65.1 63.4 95.0

51 25.3 24.2 36.4





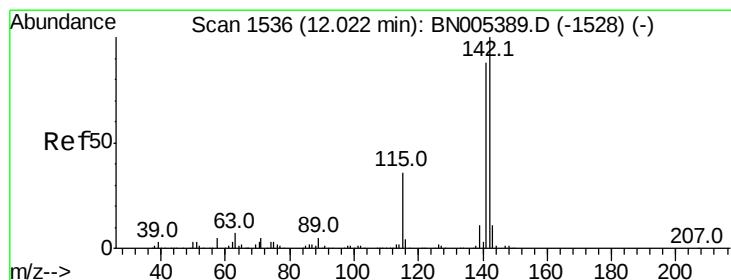
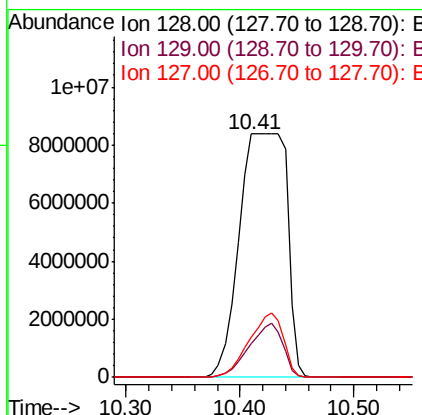
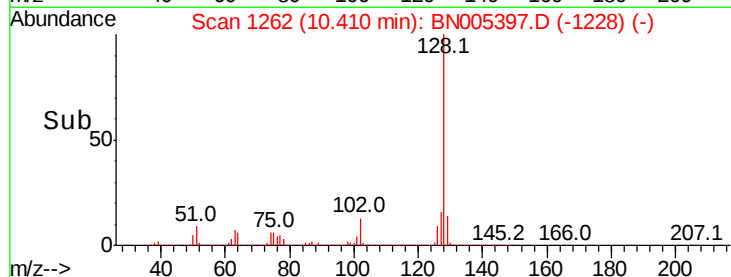
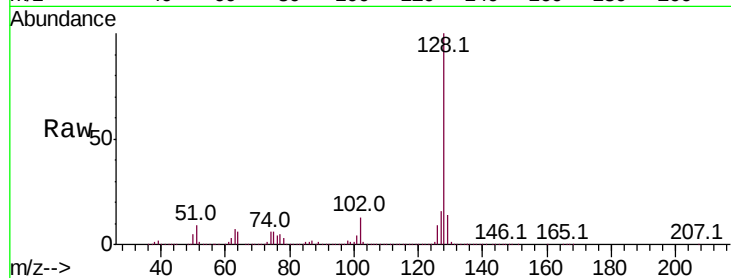
#28
Naphthalene
Concen: 1230.937 ng/ul m
RT: 10.41 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BN005397.D
Acq: 01 May 2019 06:37

Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

Tot Ion:128 Resp:24251115
Ion Ratio Lower Upper
128 100
129 13.9 9.2 13.8#
127 16.2 10.7 16.1#

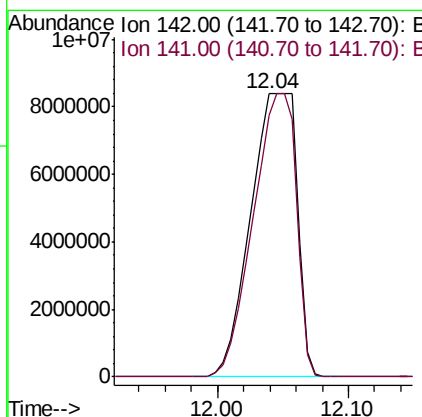
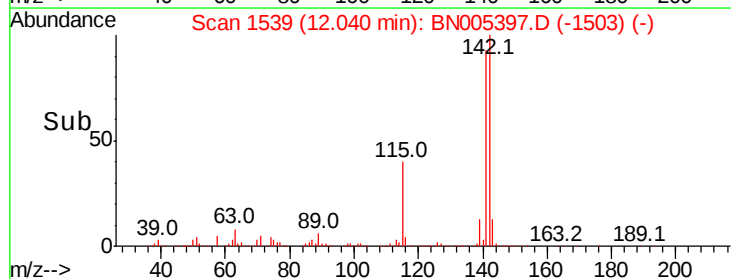
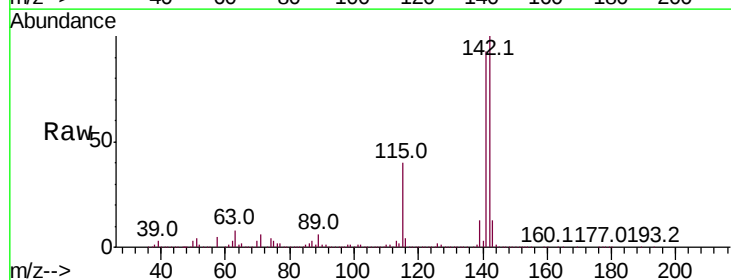
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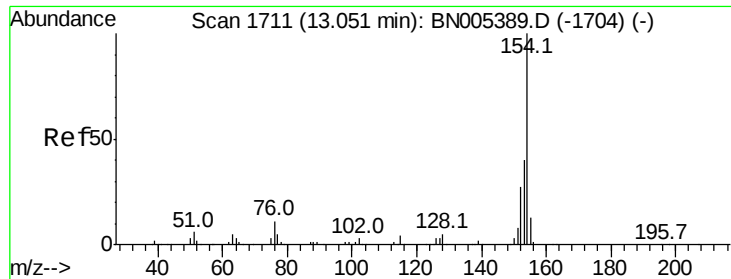
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#34
2-Methylnaphthalene
Concen: 1439.575 ng/ul m
RT: 12.04 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BN005397.D
Acq: 01 May 2019 06:37

Tgt Ion:142 Resp:20766669
Ion Ratio Lower Upper
142 100
141 92.6 72.0 108.0





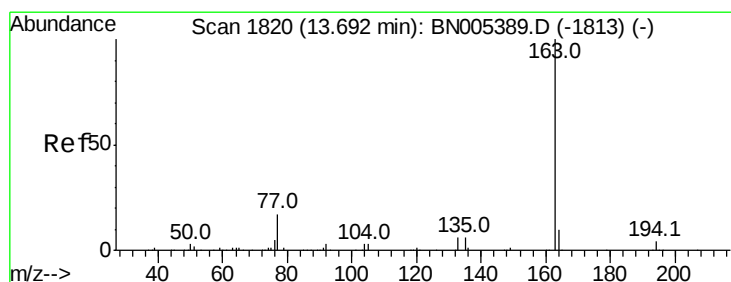
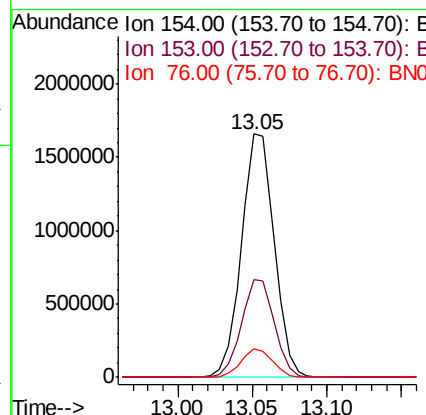
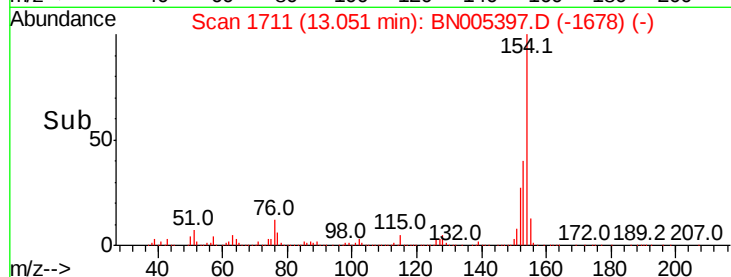
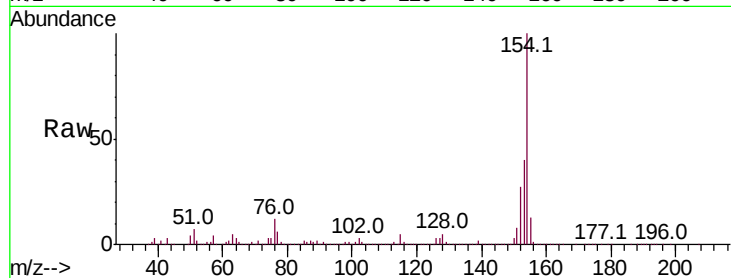
#40
1,1'-Biphenyl
Concen: 112.552 ng/ul
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BN005397.D
Acq: 01 May 2019 06:37

Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.6	49.0
76	12.0	10.4	15.6

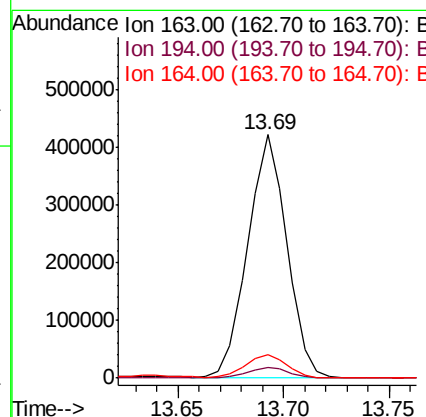
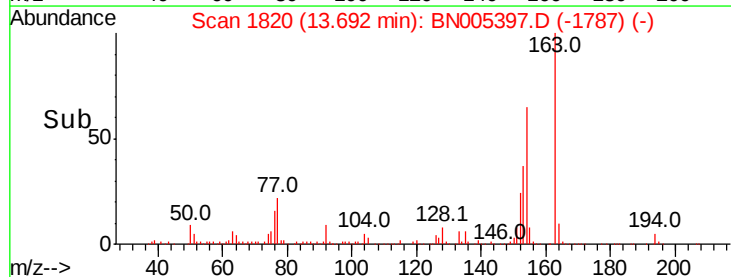
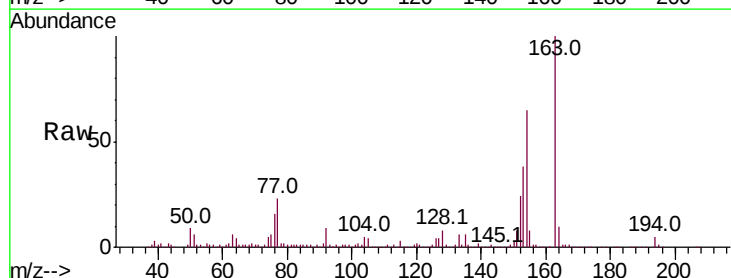
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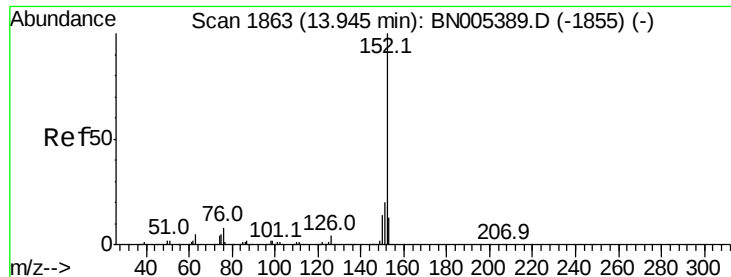
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#44
Dimethylphthalate
Concen: 24.803 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BN005397.D
Acq: 01 May 2019 06:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	9.9	8.1	12.1





#47

Acenaphthylene

Concen: 204.106 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

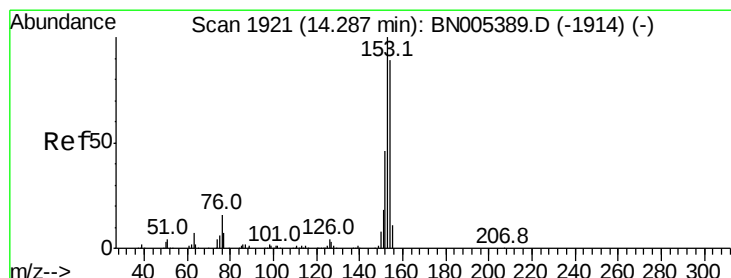
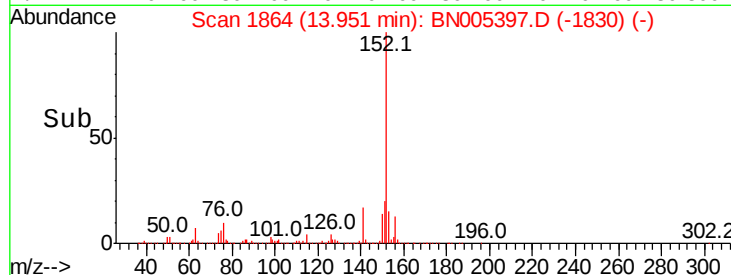
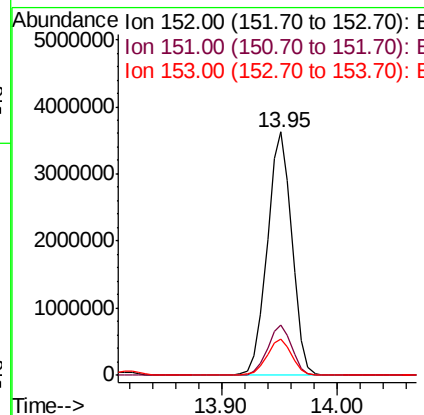
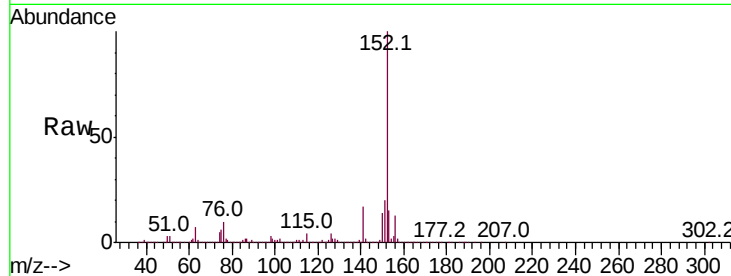
ClientSampleId :

GAHQ2ME

Tot Ion:	152	Resp:	5385655
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.8	23.8
153	14.9	9.8	14.8#

Manual Integrations
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#49

Acenaphthene

Concen: 38.575 ng/ul

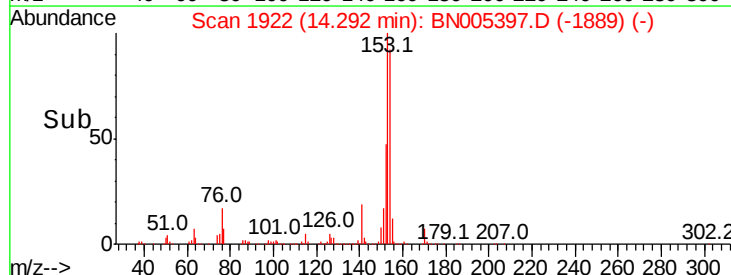
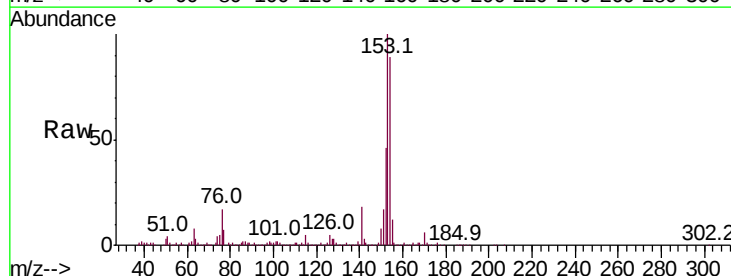
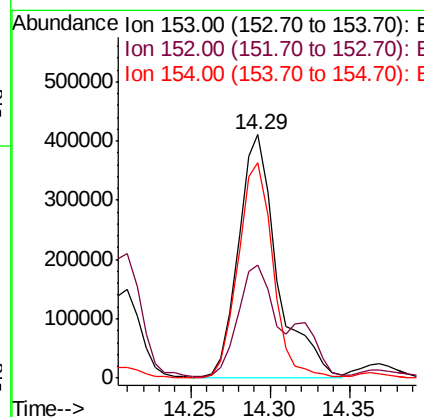
RT: 14.29 min Scan# 1922

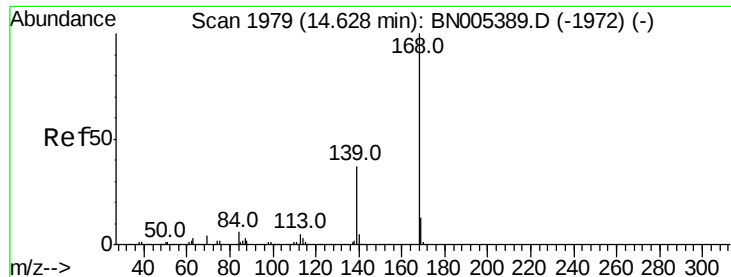
Delta R.T. -0.01 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Tgt Ion:	153	Resp:	694881
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.4	56.0
154	88.7	71.2	106.8





#53

Dibenzenofuran

Concen: 25.949 ng/ul

RT: 14.63 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

Tot Ion:168 Resp: 673001

Ion Ratio Lower Upper

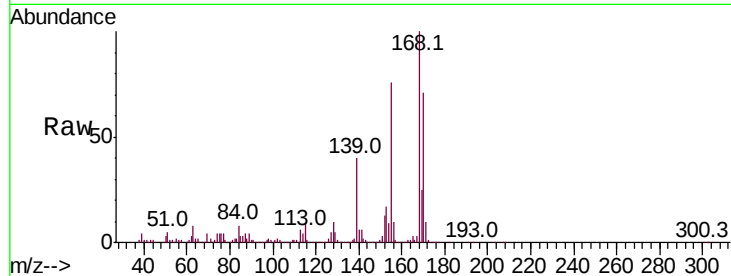
168 100

139 40.2 30.9 46.3

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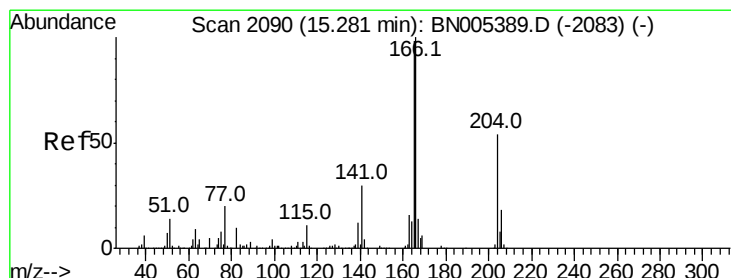
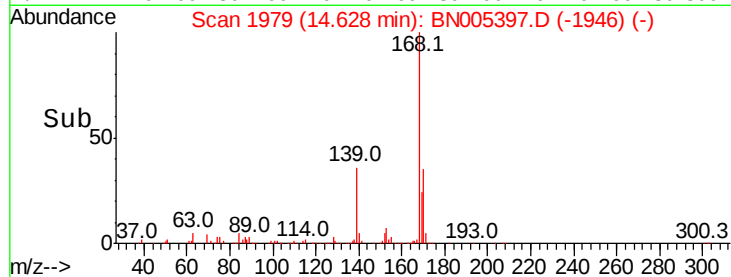
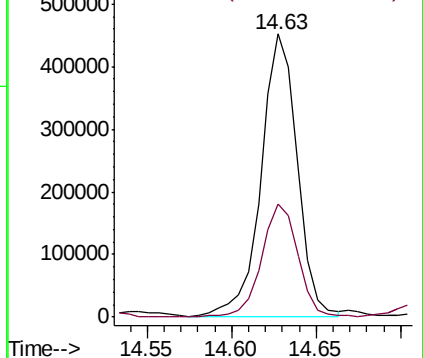
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 174.219 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

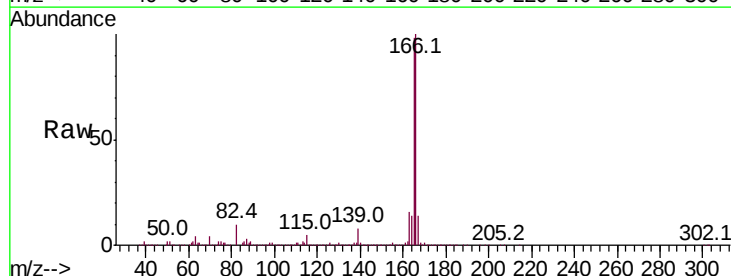
Tgt Ion:166 Resp: 3525848

Ion Ratio Lower Upper

166 100

165 97.8 80.0 120.0

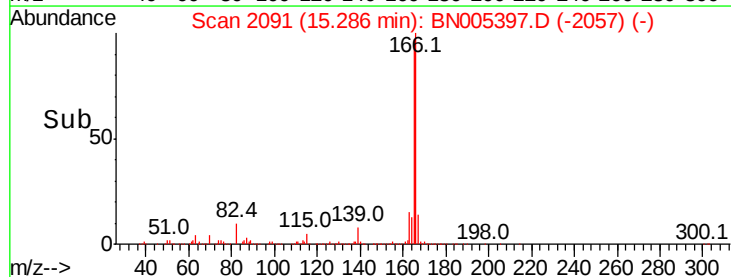
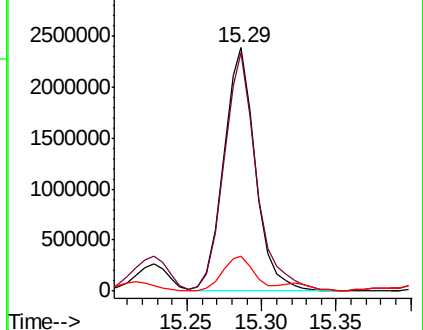
167 14.4 10.7 16.1

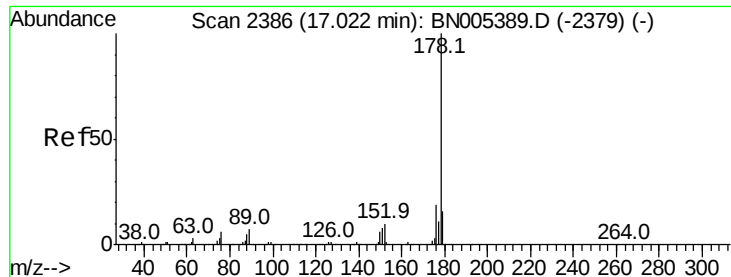


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 521.693 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

ClientSampleId :

GAHQ2ME

Tot Ion:178 Resp:15379813

Ion Ratio Lower Upper

178 100

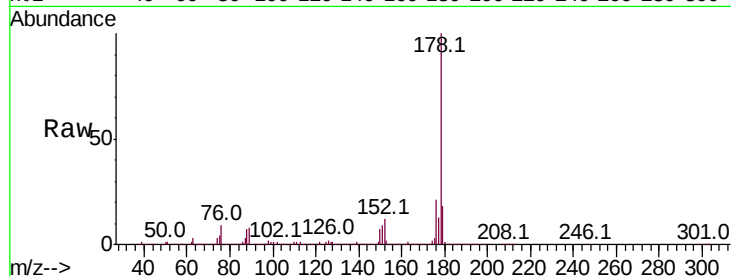
179 17.9 12.2 18.4

176 21.3 15.1 22.7

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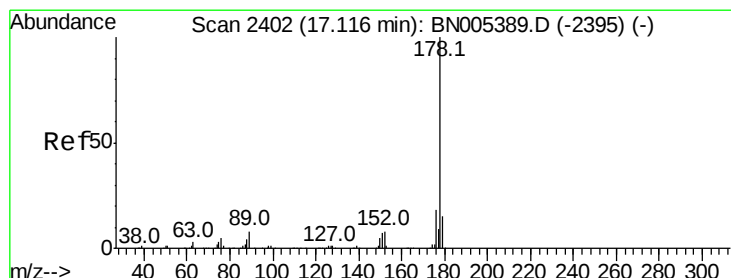
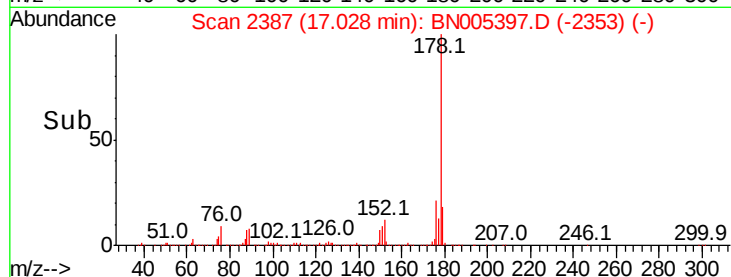
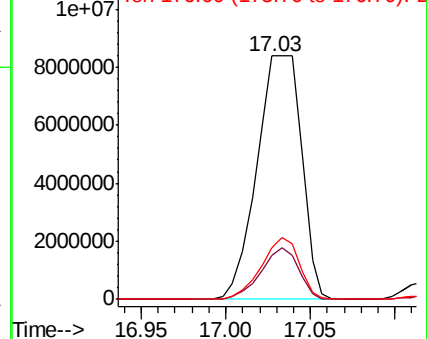
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 24.715 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.00 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

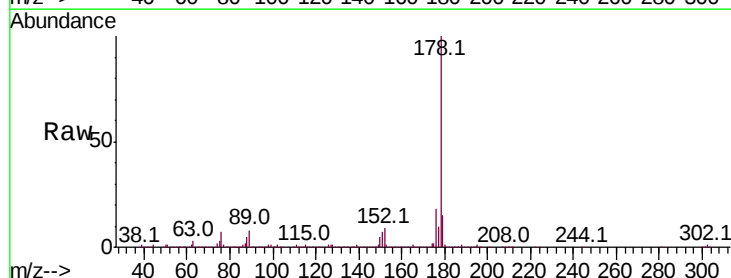
Tgt Ion:178 Resp: 742226

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

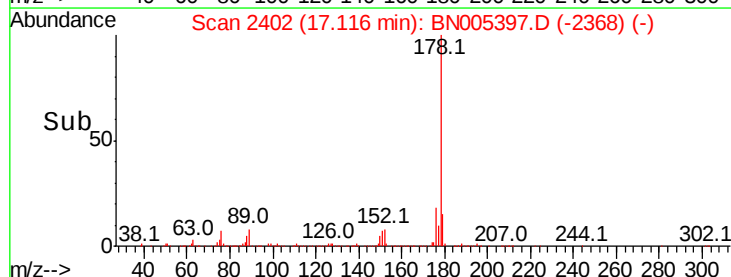
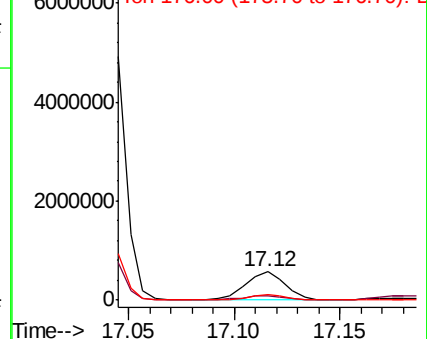
176 18.1 15.1 22.7

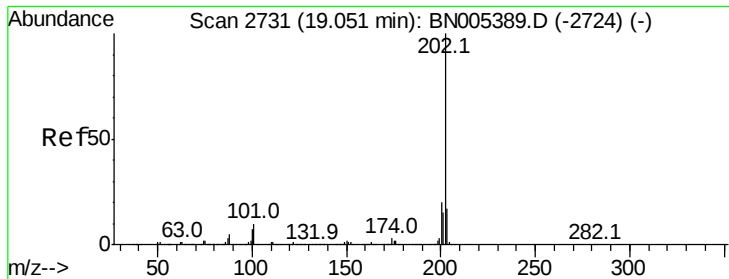


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 149.040 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

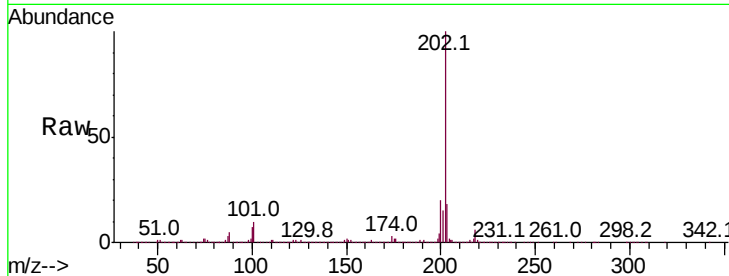
ClientSampleId :

GAHQ2ME

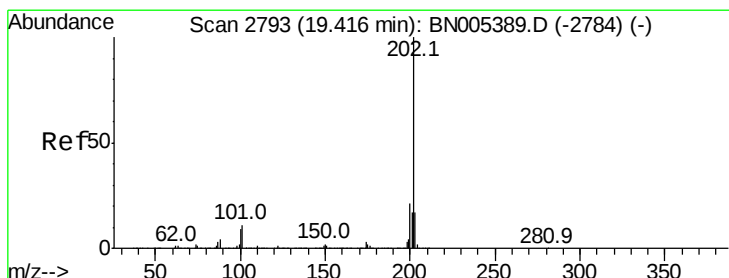
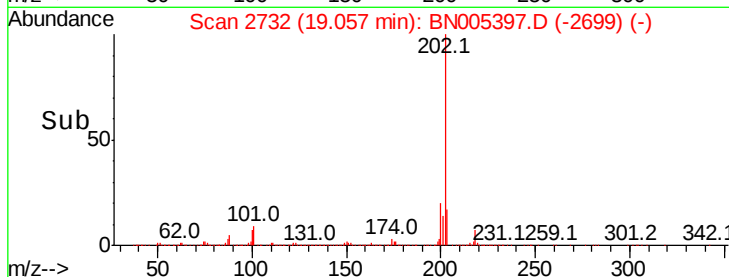
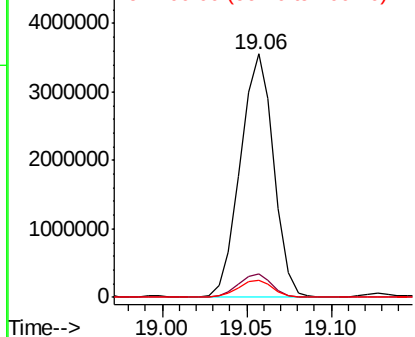
Tot Ion:	202	Resp:	4873541
Ion Ratio	Lower	Upper	
202	100		
101	9.6	8.6	12.8
100	7.2	6.3	9.5

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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): B



#79

Pyrene

Concen: 222.800 ng/ul

RT: 19.43 min Scan# 2795

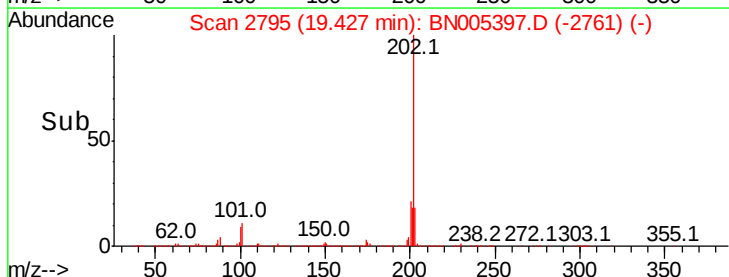
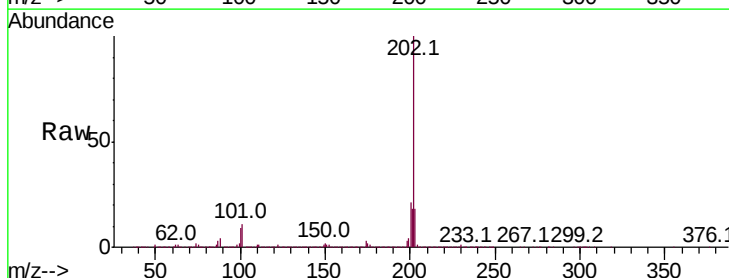
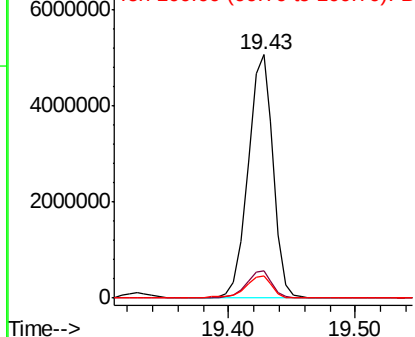
Delta R.T. 0.00 min

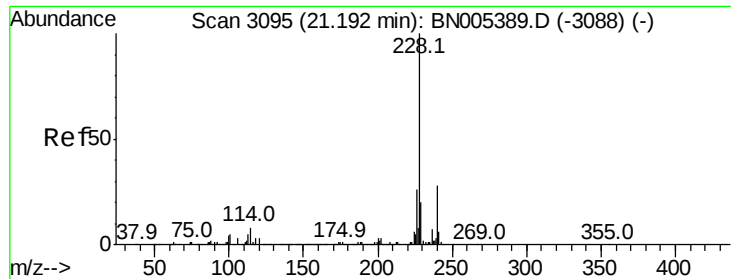
Lab File: BN005397.D

Acq: 01 May 2019 06:37

Tgt Ion:	202	Resp:	6911807
Ion Ratio	Lower	Upper	
202	100		
101	11.0	10.3	15.5
100	9.1	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





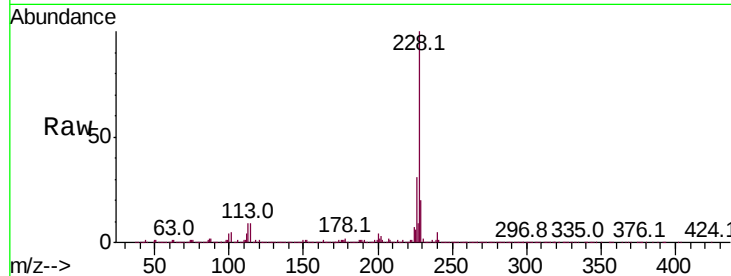
#82
Benzo(a)anthracene
Concen: 64.696 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BN005397.D
Acq: 01 May 2019 06:37

Instrument :
BNA_N
ClientSampleId :
GAHQ2ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.6
226	31.4	21.4	32.2

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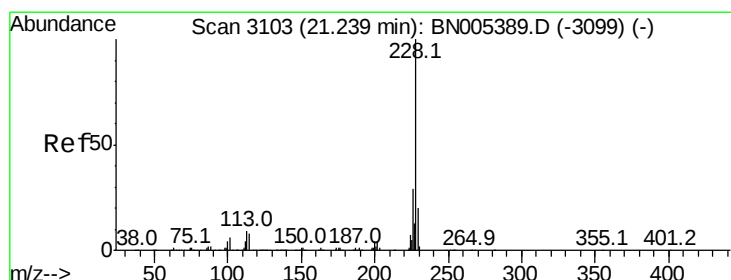
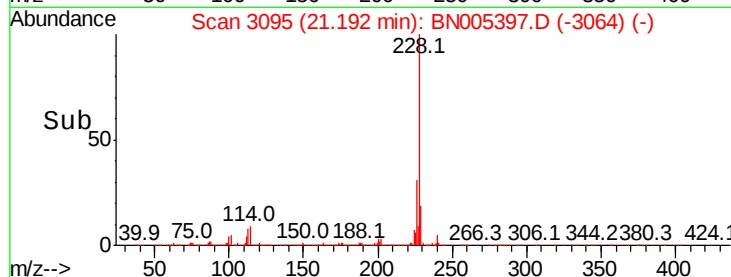
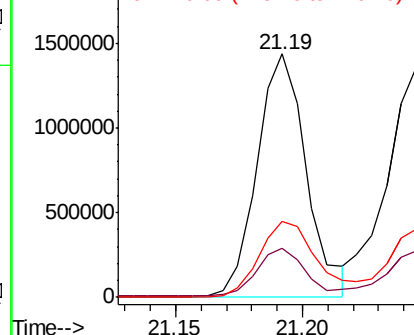


Abundance

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: 65.345 ng/ul
RT: 21.24 min Scan# 3104
Delta R.T. -0.02 min
Lab File: BN005397.D
Acq: 01 May 2019 06:37

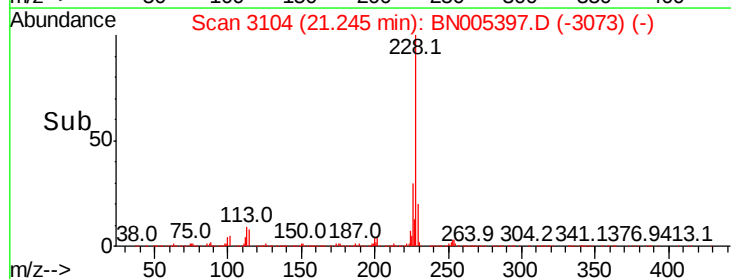
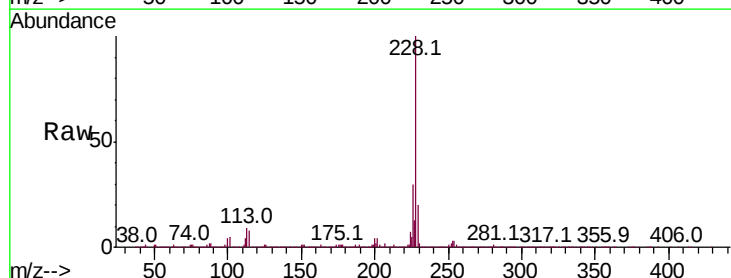
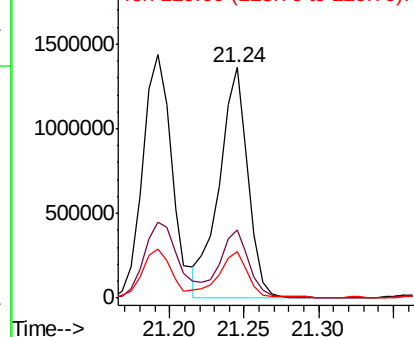
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	20.0	15.4	23.0

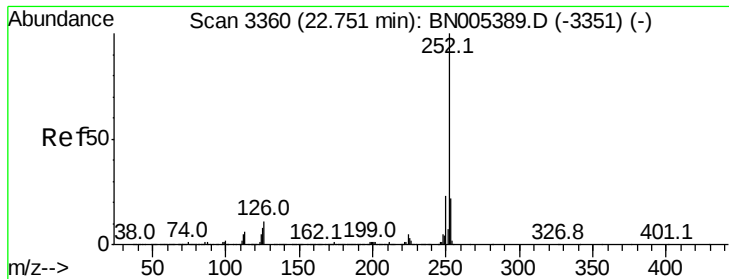
Abundance

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: 45.066 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.02 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

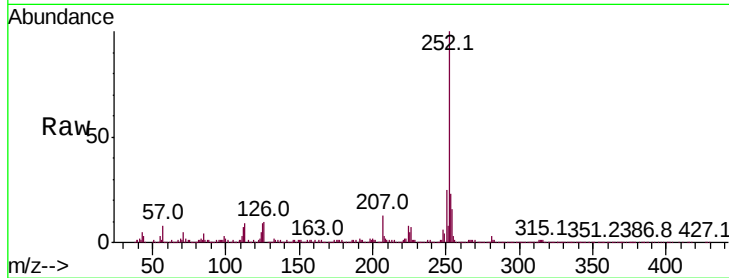
ClientSampleId :

GAHQ2ME

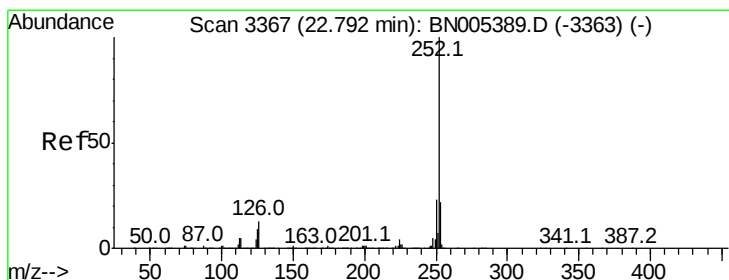
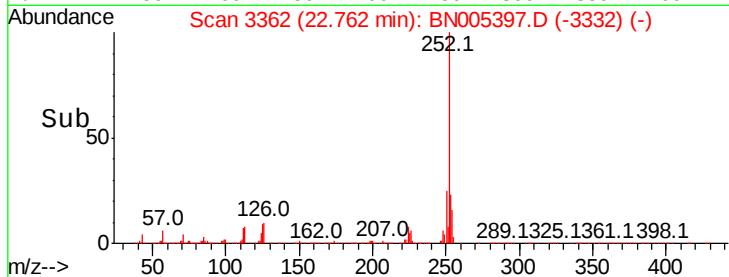
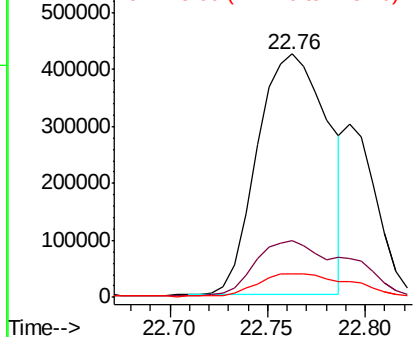
Tot Ion:	252	Resp:	1064092
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	9.5	8.4	12.6

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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: 14.957 ng/ul m

RT: 22.79 min Scan# 3367

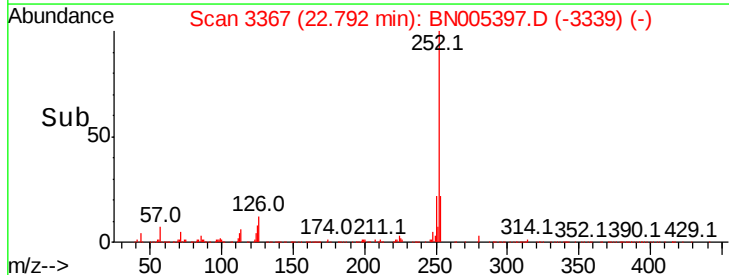
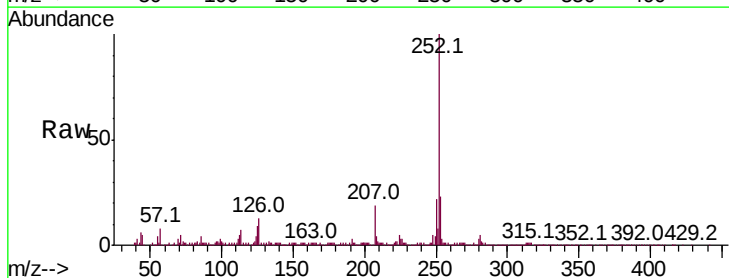
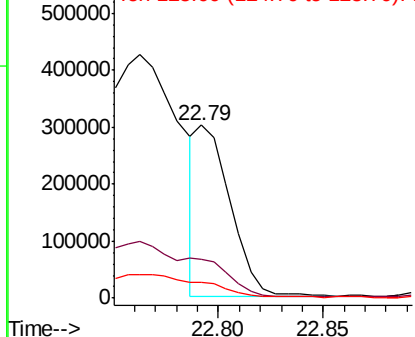
Delta R.T. -0.04 min

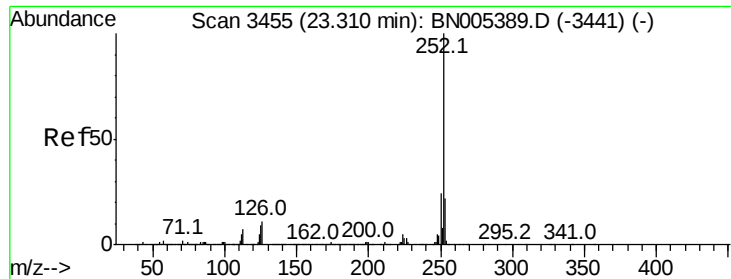
Lab File: BN005397.D

Acq: 01 May 2019 06:37

Tgt Ion:	252	Resp:	337300
Ion Ratio	Lower	Upper	
252	100		
253	22.5	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: 15.624 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. -0.03 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

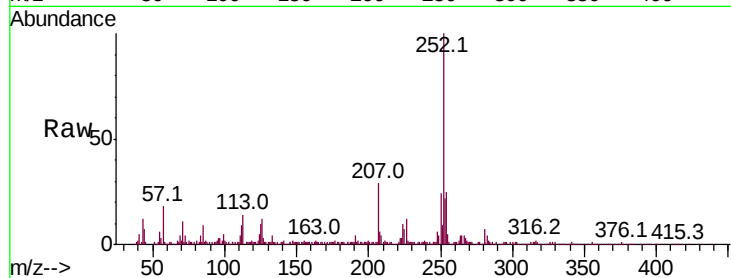
ClientSampleId :

GAHQ2ME

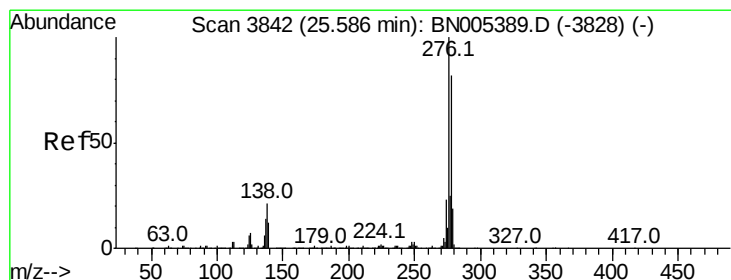
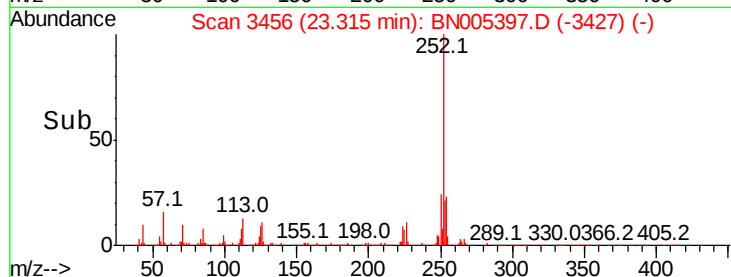
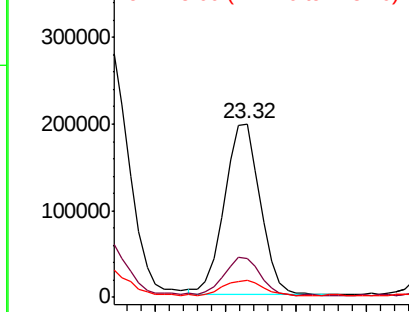
Tot Ion:	252	Resp:	346762
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.3	25.9
125	9.7	8.6	13.0

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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



#91

Indeno(1,2,3-cd)pyrene

Concen: 16.378 ng/ul

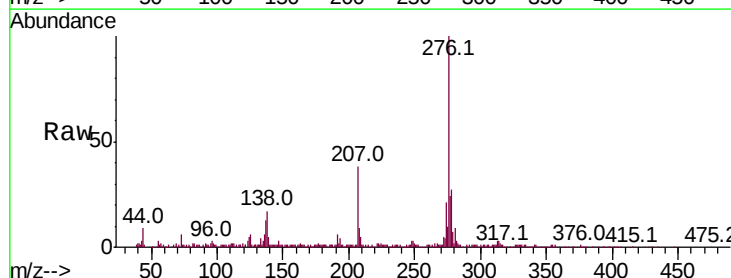
RT: 25.59 min Scan# 3842

Delta R.T. -0.04 min

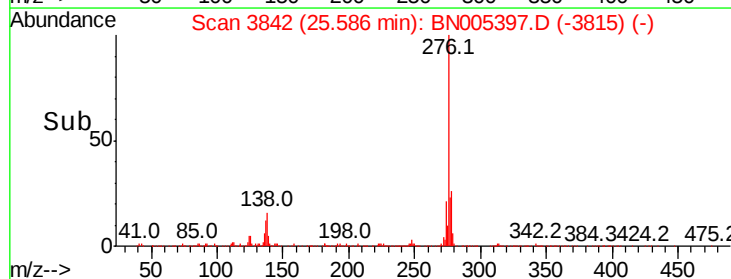
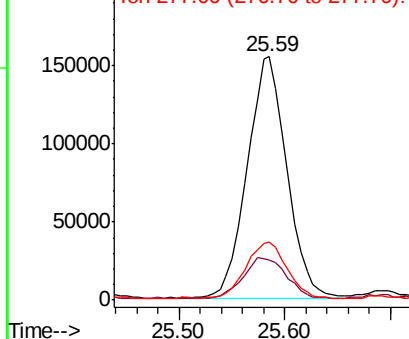
Lab File: BN005397.D

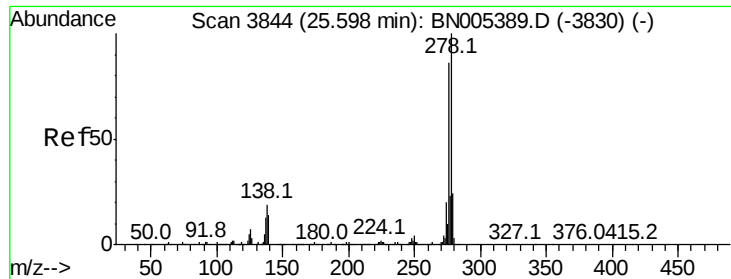
Acq: 01 May 2019 06:37

Tgt Ion:	276	Resp:	401886
Ion Ratio	Lower	Upper	
276	100		
138	16.7	17.9	26.9#
277	23.9	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: 5.931 ng/ul

RT: 25.59 min Scan# 3842

Delta R.T. -0.05 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Instrument :

BNA_N

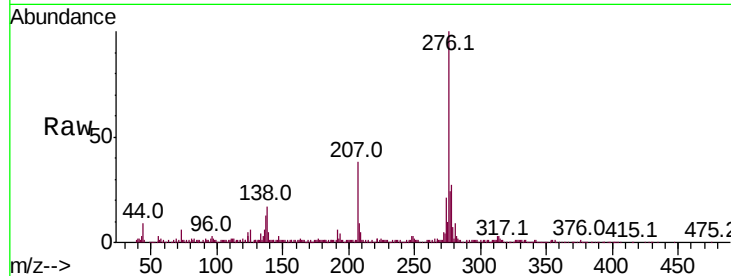
ClientSampleId :

GAHQ2ME

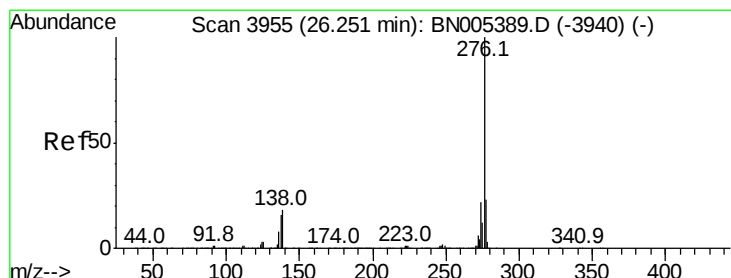
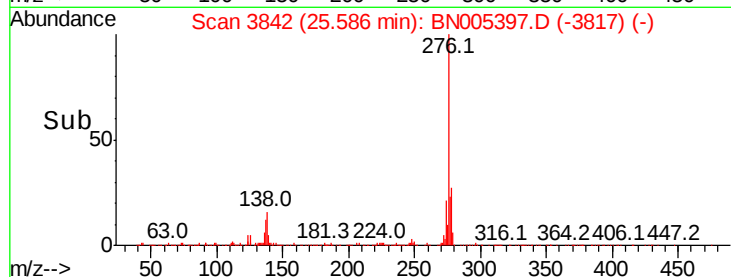
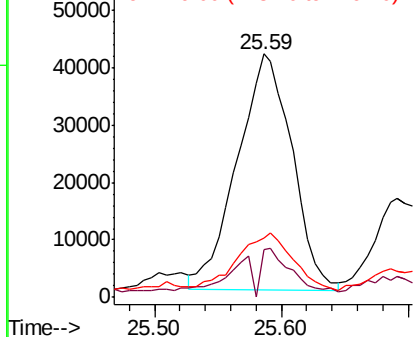
Tot Ion:	278	Resp:	123500
Ion Ratio	Lower	Upper	
278	100		
139	19.4	13.1	19.7
279	24.4	19.4	29.0

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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: 14.027 ng/ul

RT: 26.25 min Scan# 3955

Delta R.T. -0.04 min

Lab File: BN005397.D

Acq: 01 May 2019 06:37

Tgt Ion:	276	Resp:	284593
Ion Ratio	Lower	Upper	
276	100		
138	19.7	16.7	25.1
277	25.2	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

