

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100618\
 Data File : BN002958.D
 Acq On : 05 Oct 2018 09:52
 Operator : MJ/SJ
 Sample : J5183-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 JLC32

Manual Integrations
 APPROVED

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 10/8/2018 5:53:10 PM

Quant Time: Oct 06 01:25:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 06 01:07:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	150584	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	662590	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	381928	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	759413	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	551560	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	544732	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	8436m	2.58	ng/uL	0.00
5) Phenol-d5	6.82	99	227006	17.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	147001	18.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	196243	18.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	179704	18.14	ng/ul	0.00
19) Nitrobenzene-d5	8.78	128	101404	19.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	111982	19.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.04	165	201877	19.25	ng/ul	0.01
29) 4-Chloroaniline-d4	10.55	131	177151	14.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	628669	21.03	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	829442	21.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	65068	13.16	ng/ul	0.01
57) Fluorene-d10	15.26	176	566811	21.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	51902	10.93	ng/ul	0.00
70) Anthracene-d10	17.12	188	776768	21.42	ng/ul	0.00
78) Pyrene-d10	19.42	212	692609	23.80	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	613085	21.38	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	6.85	94	28501	2.210	ng/ul	96
28) Naphthalene	10.45	128	43294	1.268	ng/ul	98
44) Dimethylphthalate	13.72	163	357820	12.263	ng/ul	99
47) Acenaphthylene	13.98	152	65131	1.776	ng/ul	96
49) Acenaphthene	14.33	153	26784	1.031	ng/ul	98
58) Fluorene	15.32	166	33044	1.155	ng/ul#	93
69) Phenanthrene	17.06	178	526639	12.587	ng/ul	99
71) Anthracene	17.15	178	112014	2.640	ng/ul	95
74) Carbazole	17.43	167	58069	1.595	ng/ul#	94
75) Di-n-butylphthalate	17.99	149	340036	7.784	ng/ul	98
76) Fluoranthene	19.09	202	960349	21.516	ng/ul	100
79) Pyrene	19.45	202	959814	26.319	ng/ul	98
80) Butylbenzylphthalate	20.36	149	52137	3.436	ng/ul#	82
82) Benzo(a)anthracene	21.21	228	410321	11.959	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.14	149	201518	9.147	ng/ul	100
84) Chrysene	21.26	228	747264	23.235	ng/ul	98
87) Benzo(b)fluoranthene	22.78	252	1139098	34.240	ng/ul#	93
88) Benzo(k)fluoranthene	22.82	252	218296m	7.034	ng/ul	
90) Benzo(a)pyrene	23.34	252	430165	13.677	ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	25.65	276	603543	16.209	ng/ul	96
92) Dibenzo(a,h)anthracene	25.65	278	160671	5.121	ng/ul#	90
93) Benzo(g,h,i)perylene	26.33	276	673268	21.631	ng/ul	98

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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

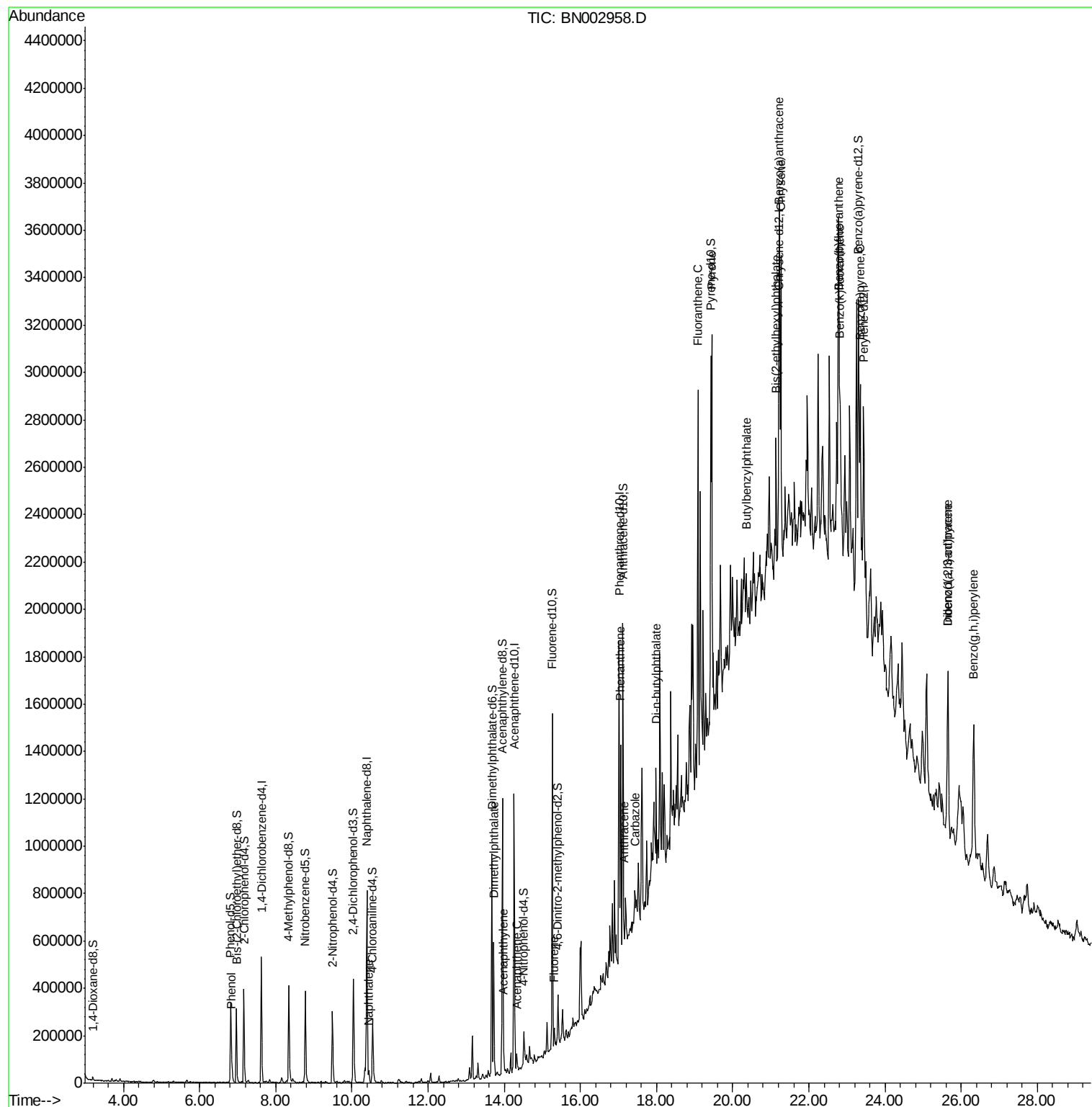
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100618\
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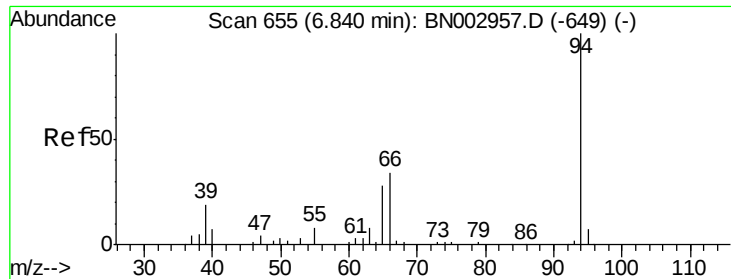
Instrument :
BNA_N
ClientSampled :
JLC32

Quant Time: Oct 06 01:25:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091418MA.M
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#6

Phenol

Concen: 2.210 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

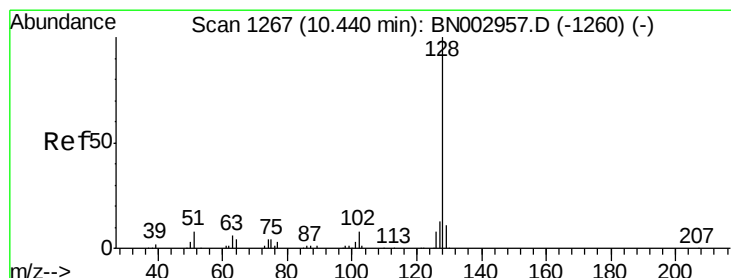
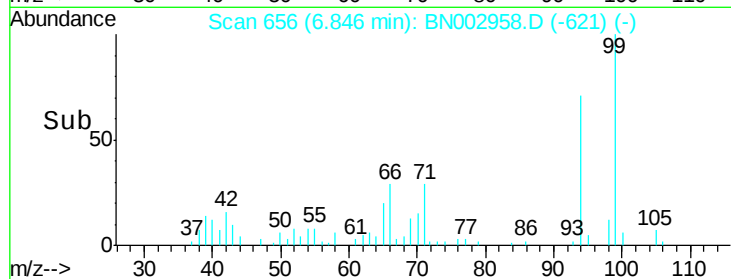
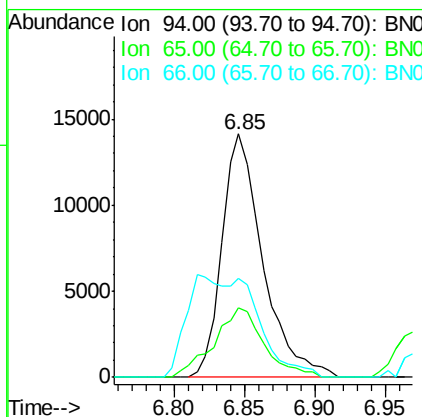
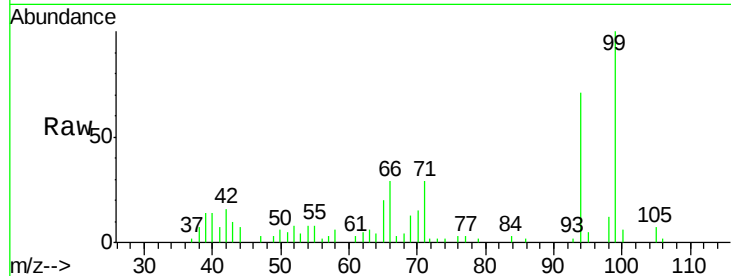
ClientSampled :

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Tgt Ion:	94	Resp:	28501
Ion	Ratio	Lower	Upper
94	100		
65	28.4	23.1	34.7
66	40.5	29.8	44.6

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#28

Naphthalene

Concen: 1.268 ng/ul

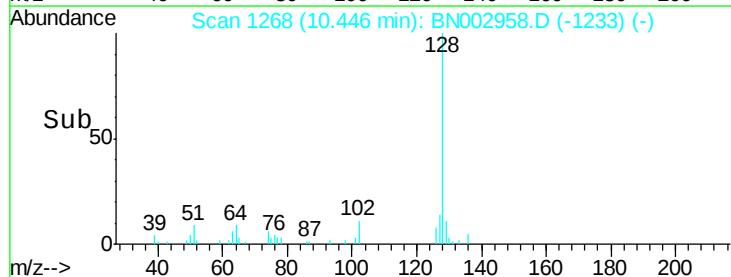
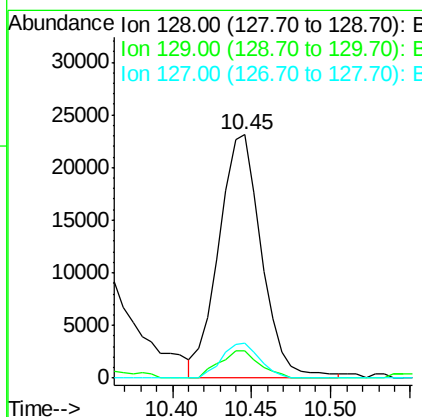
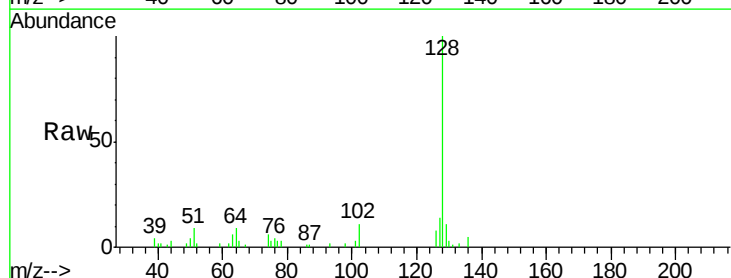
RT: 10.45 min Scan# 1268

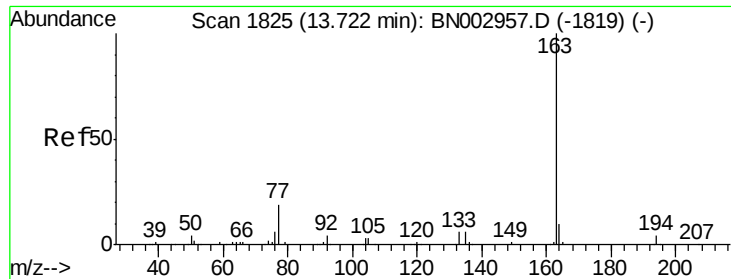
Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	128	Resp:	43294
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.3	12.5
127	14.3	10.5	15.7





#44

Dimethylphthalate

Concen: 12.263 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

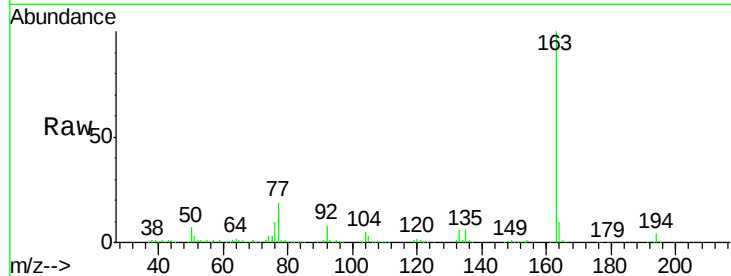
ClientSampleId :

JLC32

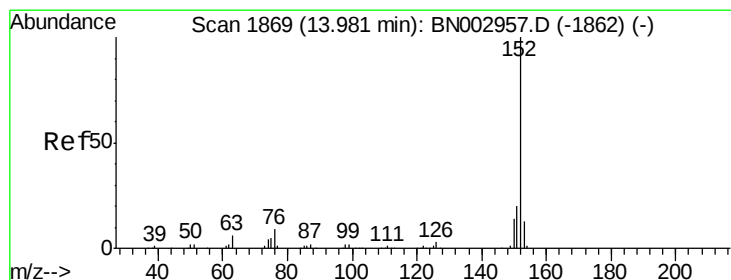
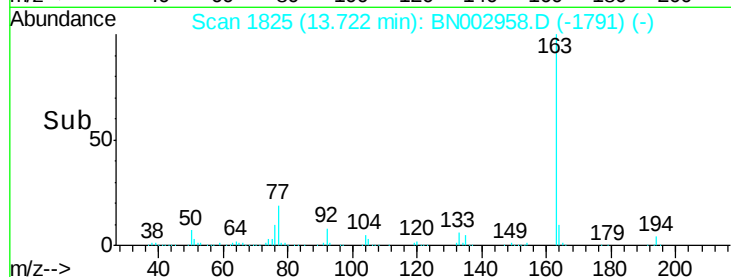
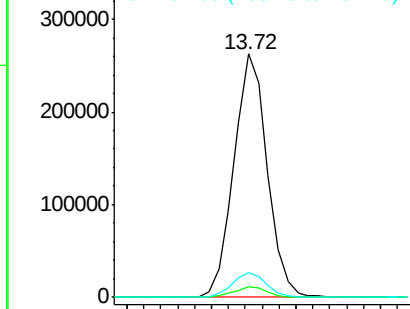
Tgt Ion:	163	Resp:	357820
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.5	5.3
164	9.9	8.1	12.1

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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: 1.776 ng/ul

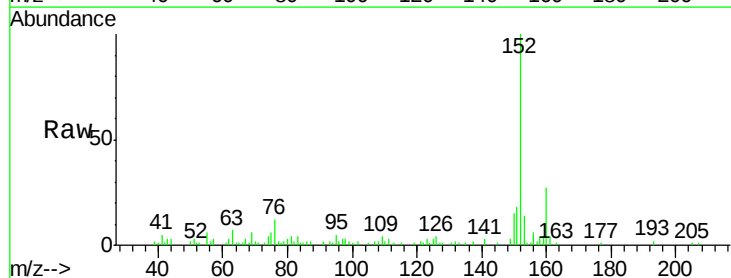
RT: 13.98 min Scan# 1869

Delta R.T. 0.00 min

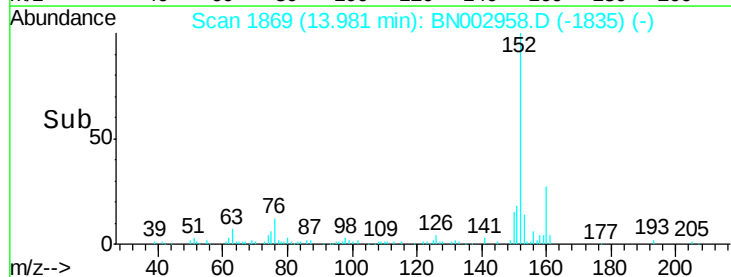
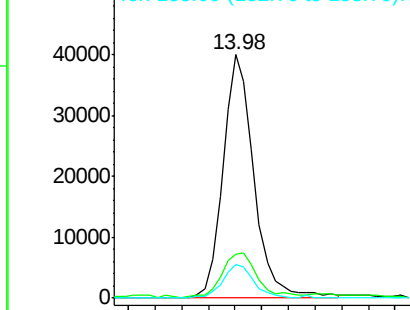
Lab File: BN002958.D

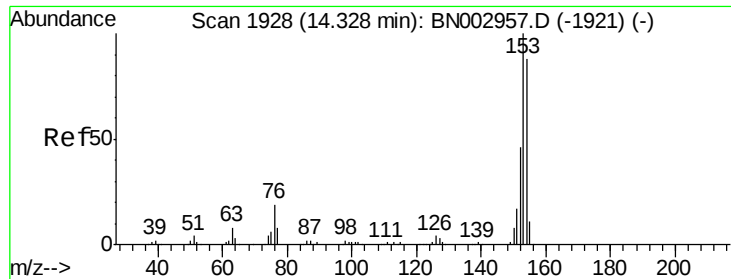
Acq: 05 Oct 2018 09:52

Tgt Ion:	152	Resp:	65131
Ion Ratio	Lower	Upper	
152	100		
151	17.9	16.0	24.0
153	14.1	10.6	16.0



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: 1.031 ng/ul

RT: 14.33 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

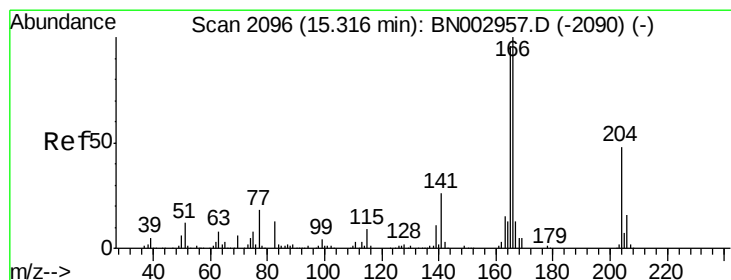
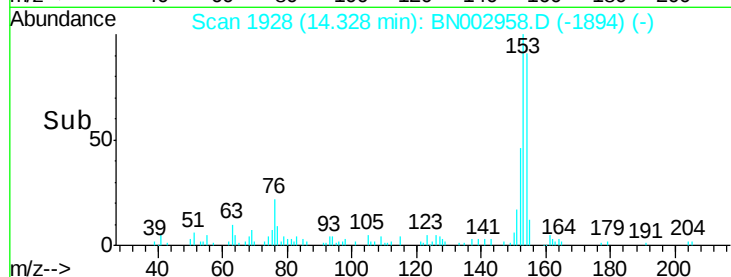
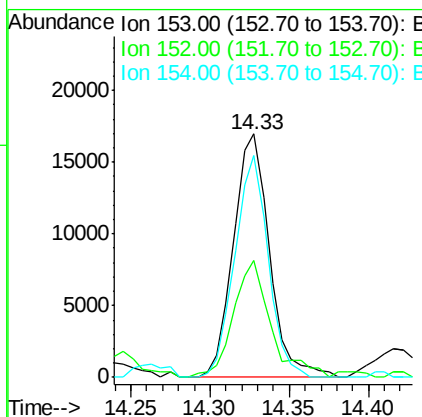
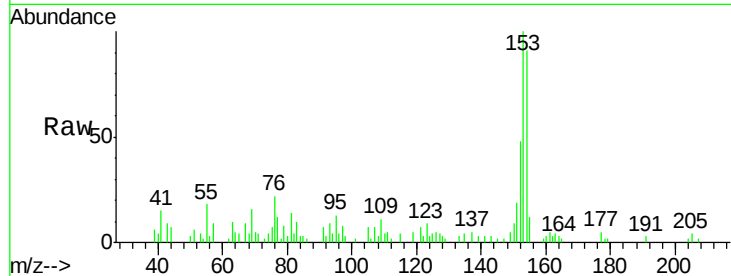
ClientSampleId :

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Tgt Ion:	153	Resp:	26784
Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.8	56.6
154	91.0	70.9	106.3

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#58

Fluorene

Concen: 1.155 ng/ul

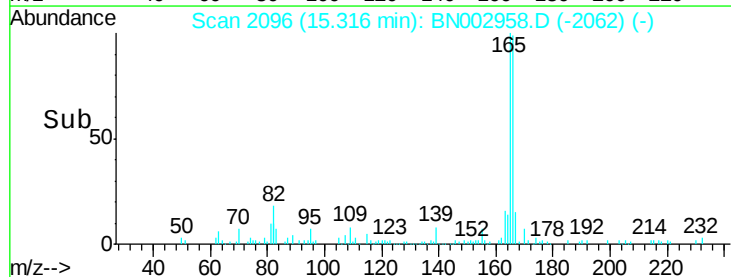
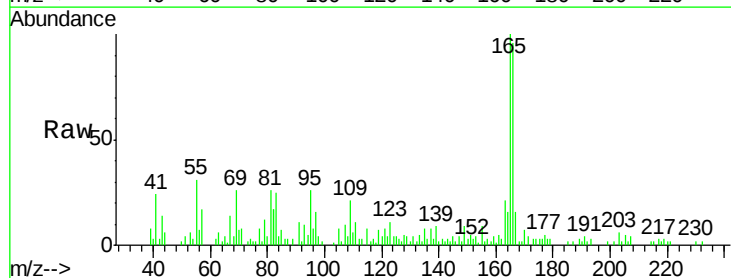
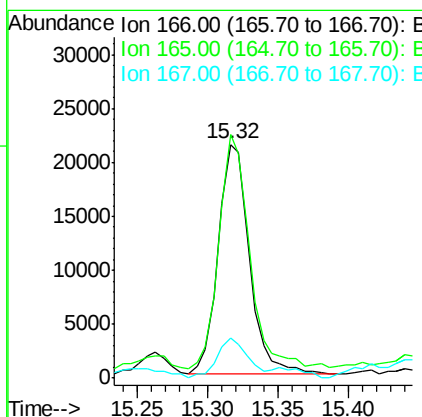
RT: 15.32 min Scan# 2096

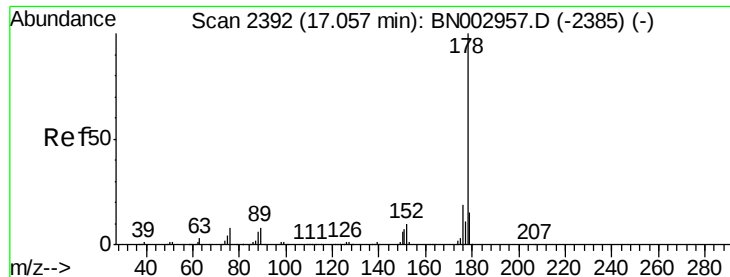
Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	166	Resp:	33044
Ion	Ratio	Lower	Upper
166	100		
165	104.2	78.3	117.5
167	17.1	11.0	16.6#





#69

Phenanthrene

Concen: 12.587 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

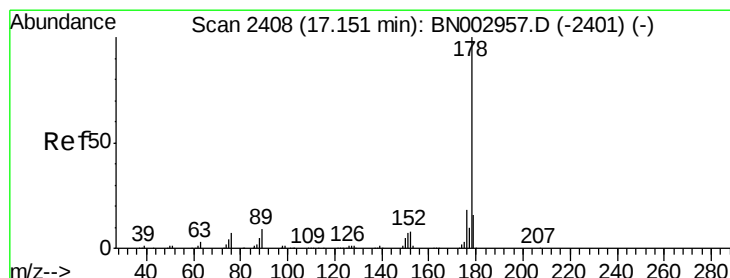
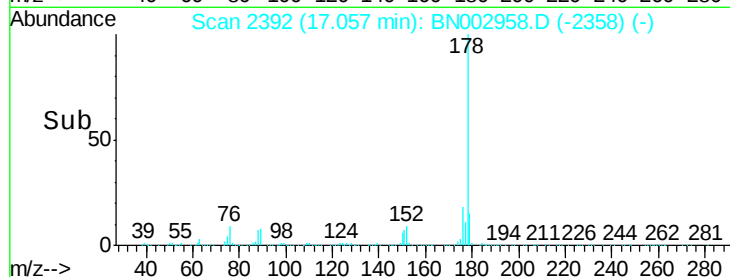
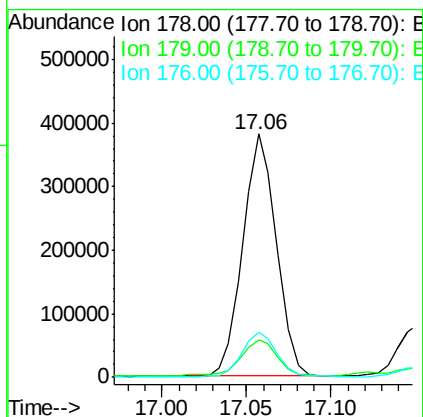
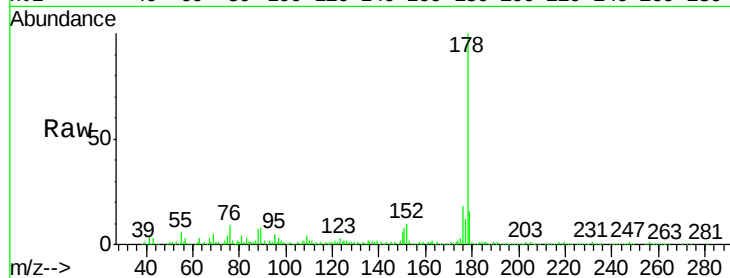
ClientSampled :

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Tgt Ion:	178	Resp:	526639
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.2	18.4
176	18.5	15.0	22.6

Manual Integrations
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#71

Anthracene

Concen: 2.640 ng/ul

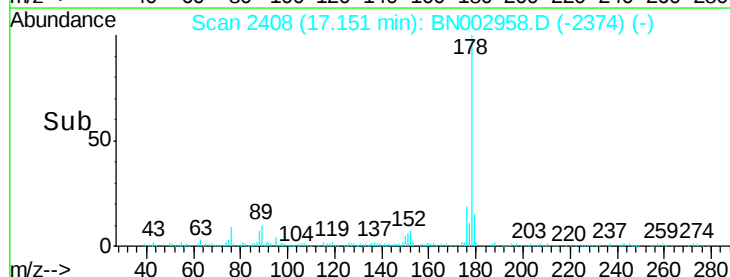
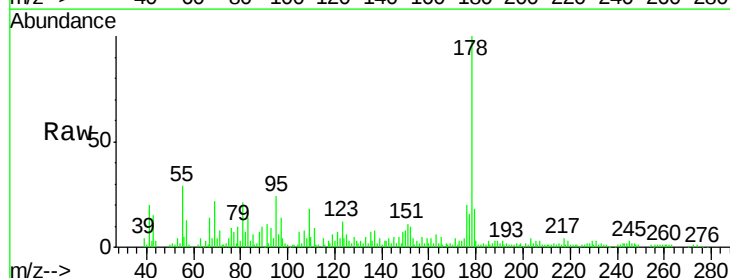
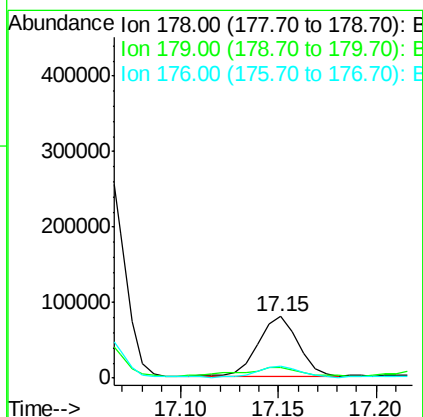
RT: 17.15 min Scan# 2408

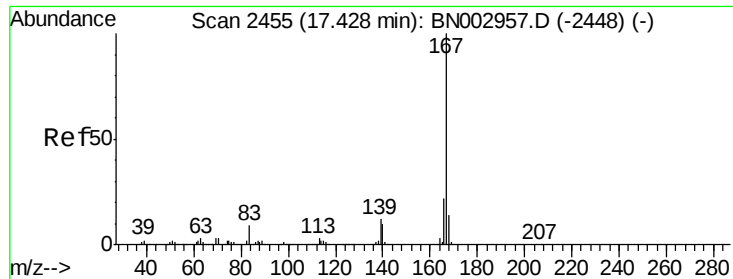
Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	178	Resp:	112014
Ion Ratio	Lower	Upper	
178	100		
179	17.9	12.0	18.0
176	19.8	15.0	22.4





#74

Carbazole

Concen: 1.595 ng/ul

RT: 17.43 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

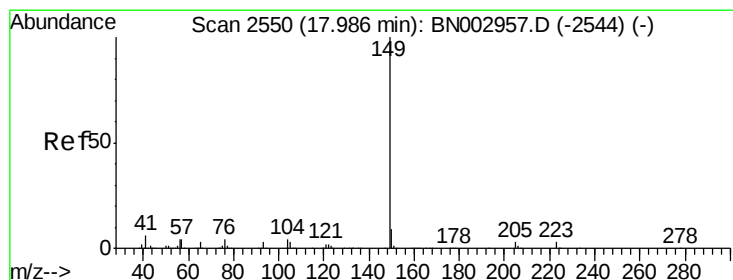
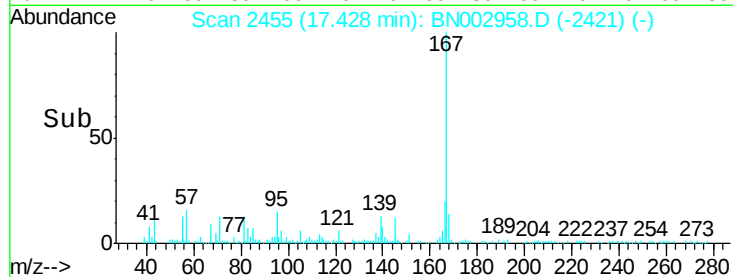
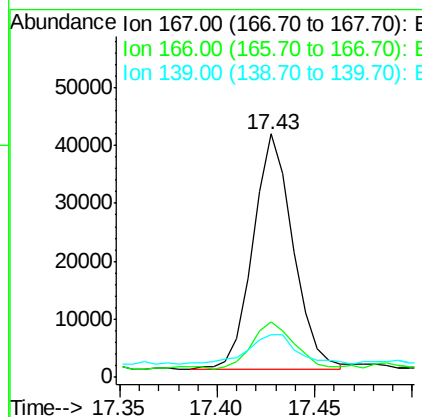
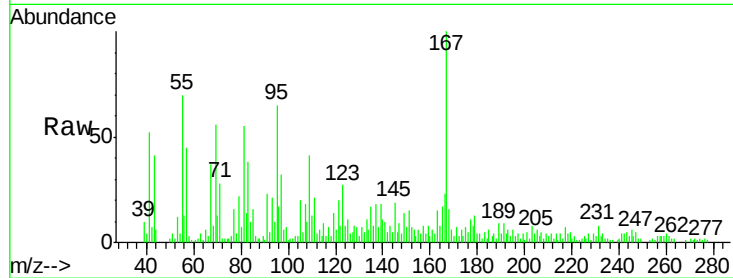
ClientSampled :

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Tgt Ion:	167	Resp:	58069
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.0	25.6
139	17.6	10.7	16.1#

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#75

Di-n-butylphthalate

Concen: 7.784 ng/ul

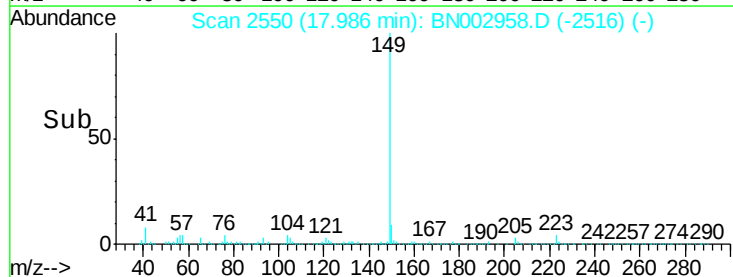
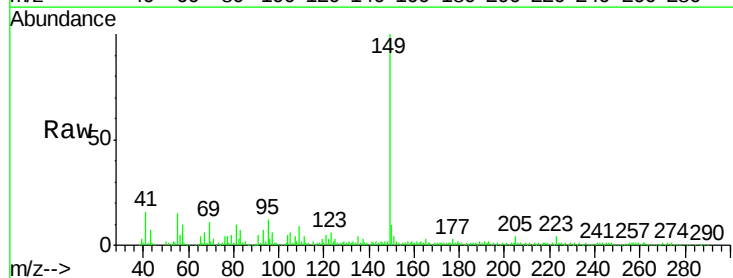
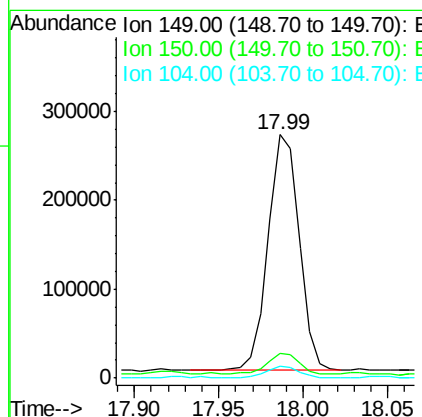
RT: 17.99 min Scan# 2550

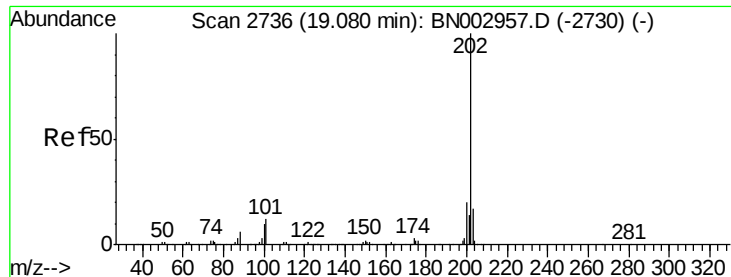
Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	149	Resp:	340036
Ion Ratio	Lower	Upper	
149	100		
150	9.9	7.3	10.9
104	4.7	3.7	5.5





#76

Fluoranthene

Concen: 21.516 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

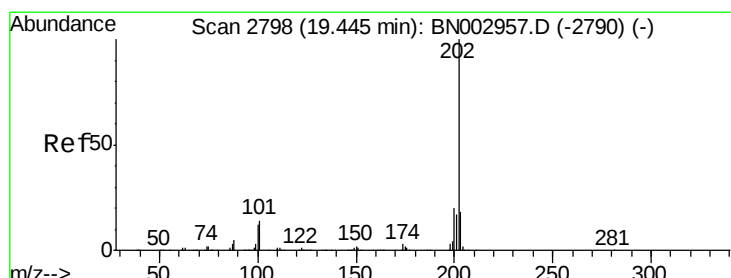
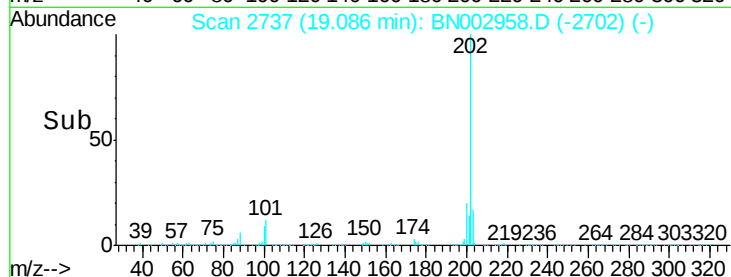
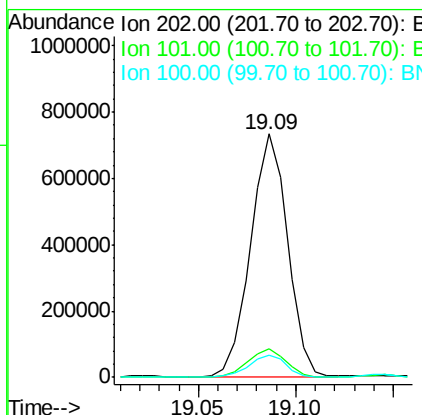
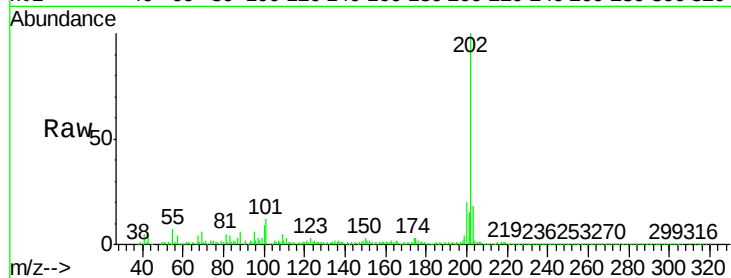
ClientSampled :

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Tgt	Ion	202	Resp:	960349
Ion	Ratio	Lower	Upper	
202	100			
101	11.9	9.4	14.2	
100	9.1	7.0	10.6	

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#79

Pyrene

Concen: 26.319 ng/ul

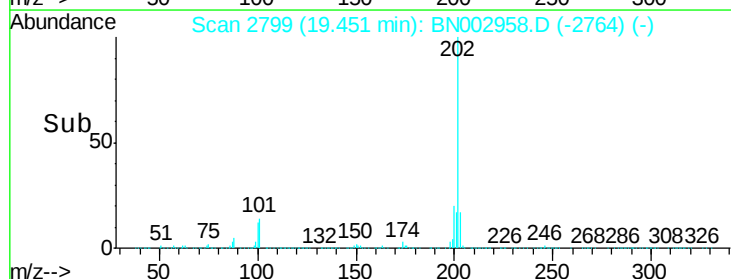
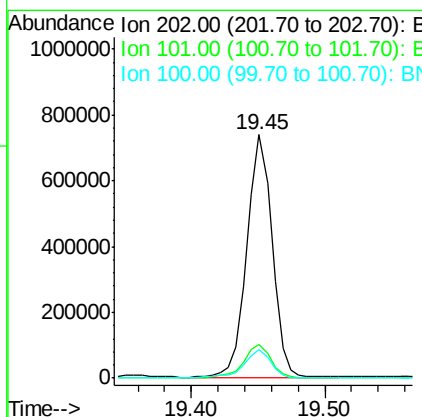
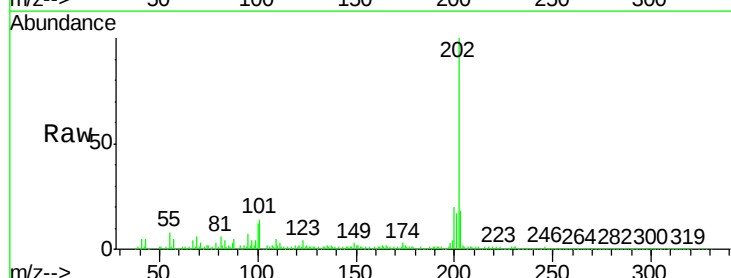
RT: 19.45 min Scan# 2799

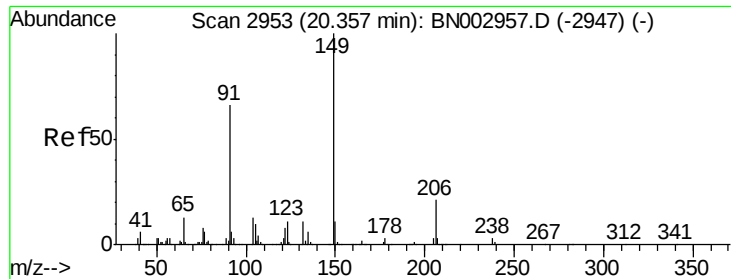
Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt	Ion	202	Resp:	959814
Ion	Ratio	Lower	Upper	
202	100			
101	14.1	10.8	16.2	
100	11.5	8.2	12.2	





#80

Butylbenzylphthalate

Concen: 3.436 ng/ul

RT: 20.36 min Scan# 2953

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

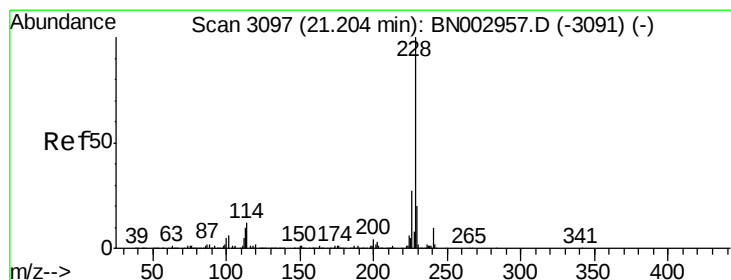
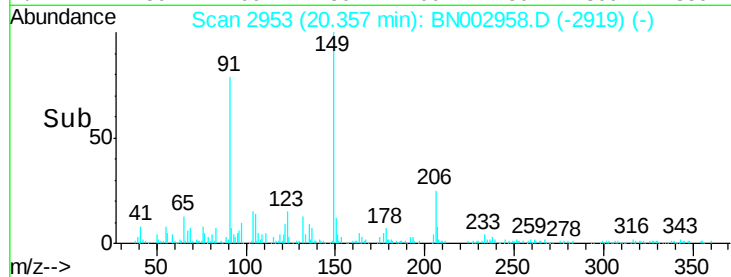
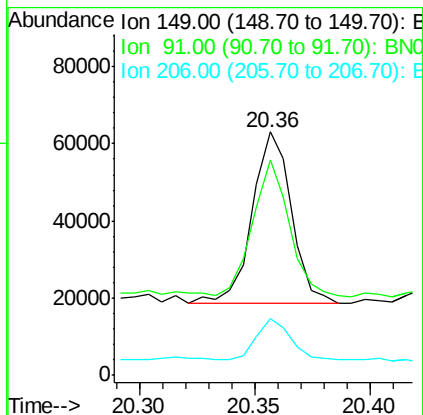
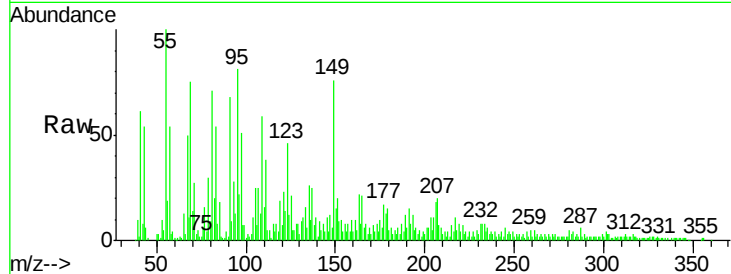
ClientSampled :

JLC32

Tgt Ion:	149	Resp:	52137
Ion Ratio	Lower	Upper	
149	100		
91	88.5	56.3	84.5#
206	23.1	16.8	25.2

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#82

Benzo(a)anthracene

Concen: 11.959 ng/ul

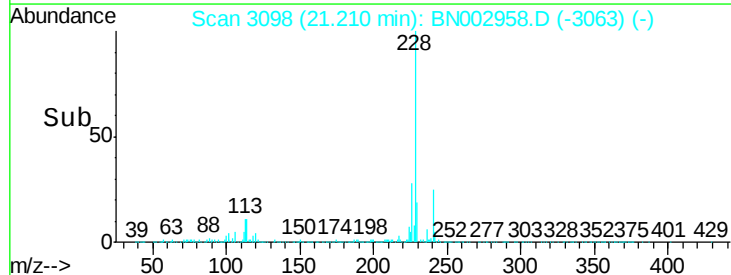
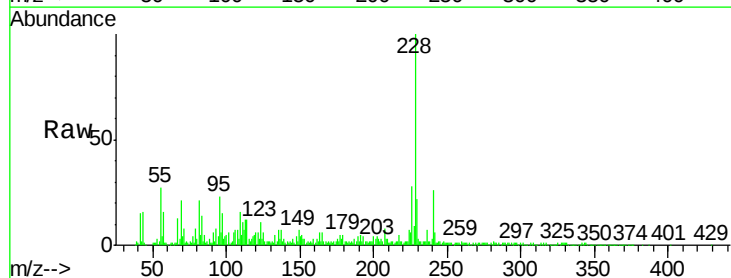
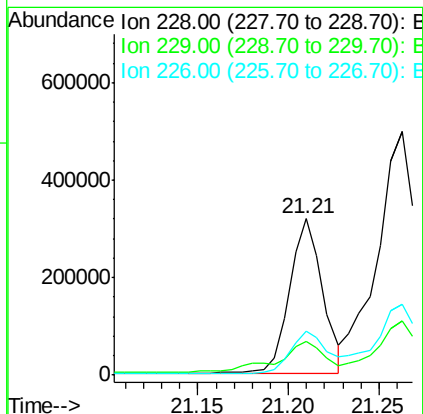
RT: 21.21 min Scan# 3098

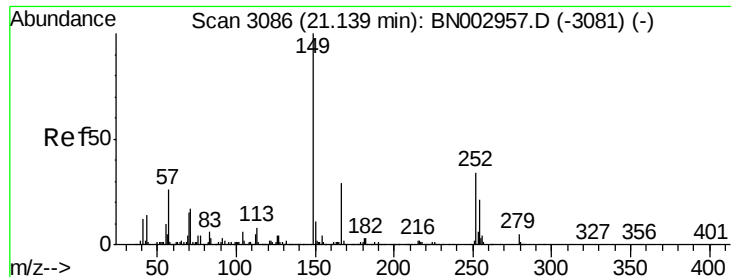
Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	228	Resp:	410321
Ion Ratio	Lower	Upper	
228	100		
229	21.9	15.8	23.6
226	28.3	20.9	31.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 9.147 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.00 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

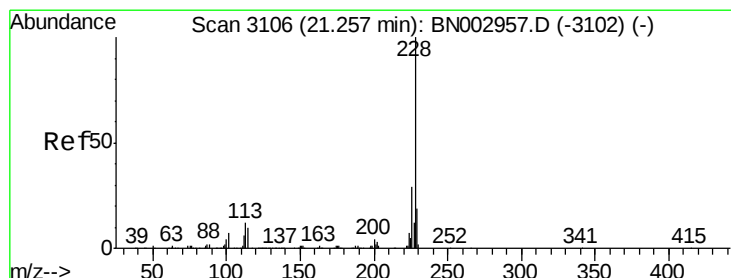
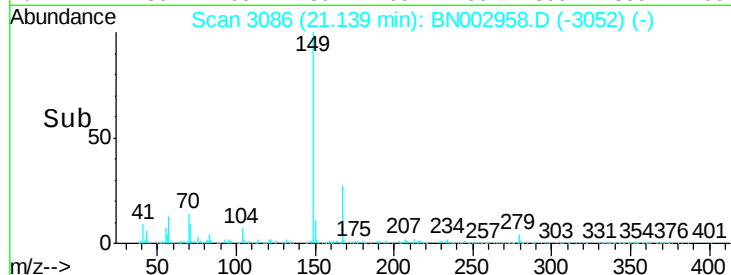
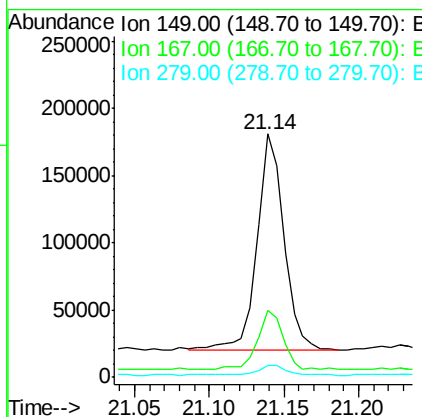
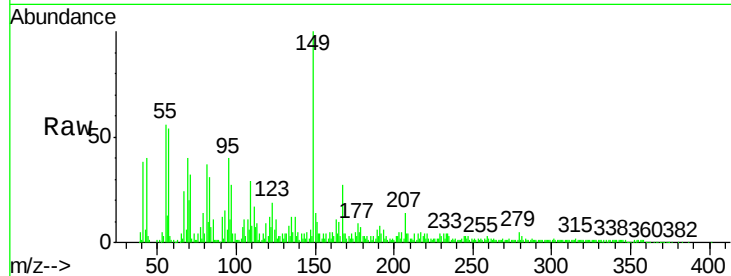
ClientSampleId :

JLC32

Tgt Ion:	149	Resp:	201518
Ion Ratio		Lower	Upper
149	100		
167	27.4	22.0	33.0
279	4.7	3.3	4.9

Manual Integrations
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#84

Chrysene

Concen: 23.235 ng/ul

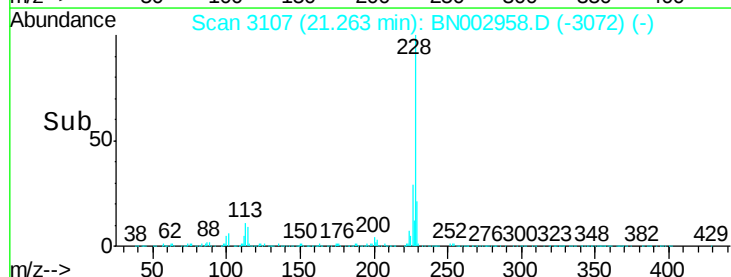
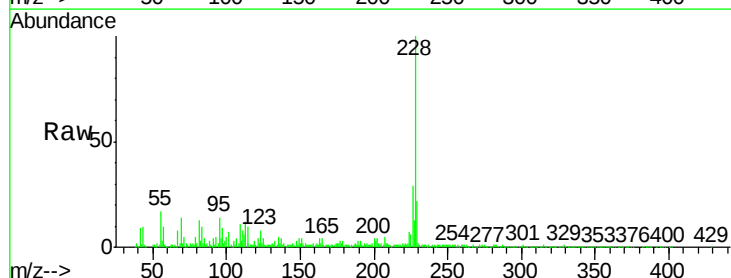
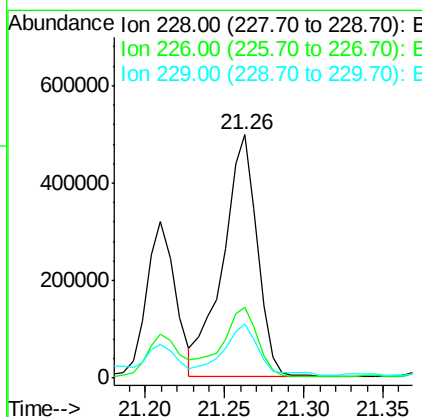
RT: 21.26 min Scan# 3107

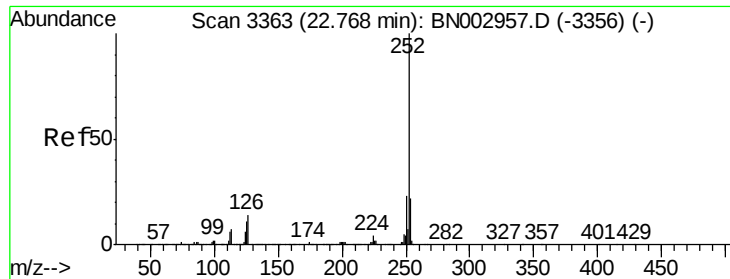
Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	228	Resp:	747264
Ion Ratio		Lower	Upper
228	100		
226	29.2	23.4	35.0
229	22.2	15.7	23.5





#87

Benzo(b)fluoranthene

Concen: 34.240 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

ClientSampleId :

JLC32

Tgt Ion:252 Resp: 1139098

Ion Ratio Lower Upper

252 100

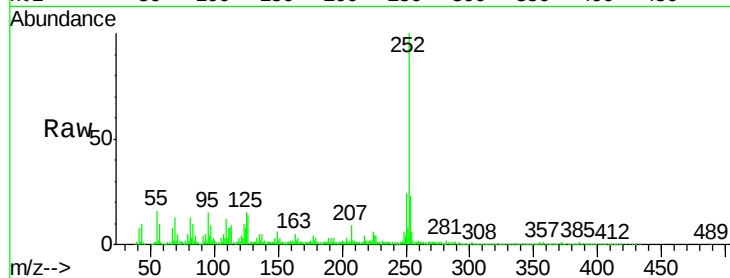
253 23.2 17.0 25.4

125 14.9 8.0 12.0#

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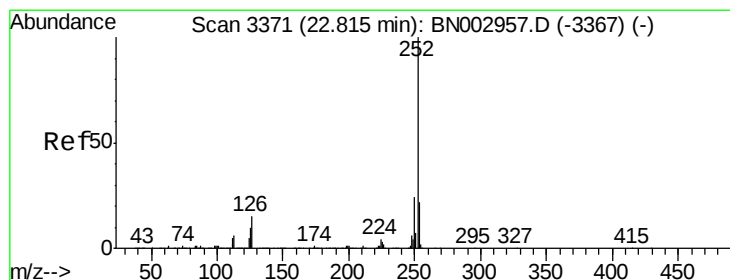
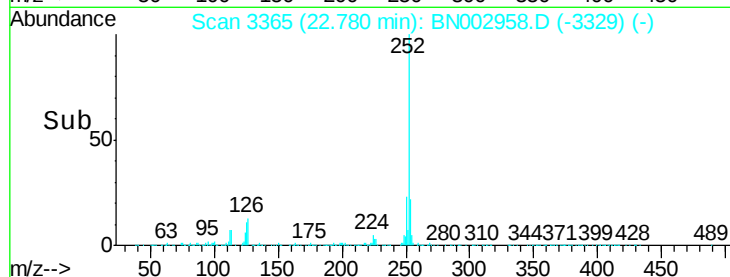
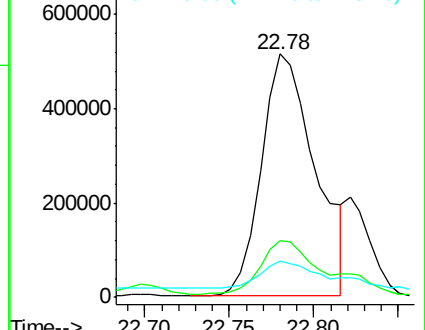
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.034 ng/ul m

RT: 22.82 min Scan# 3372

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:252 Resp: 218296

Ion Ratio Lower Upper

252 100

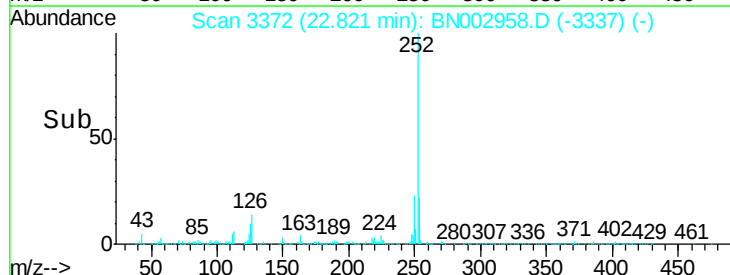
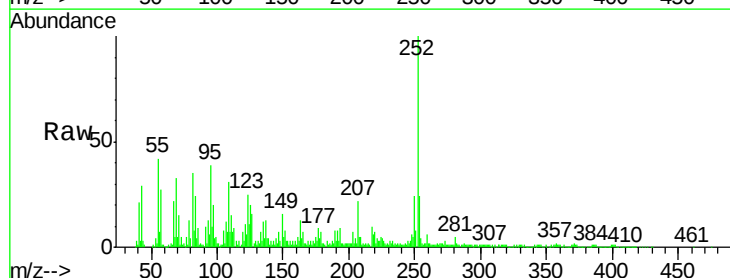
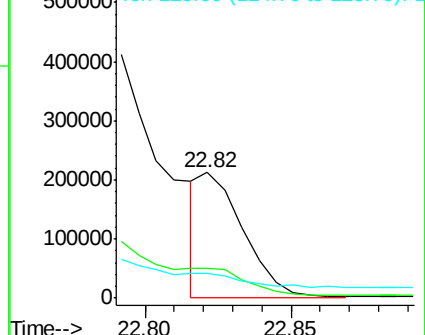
253 23.5 17.8 26.8

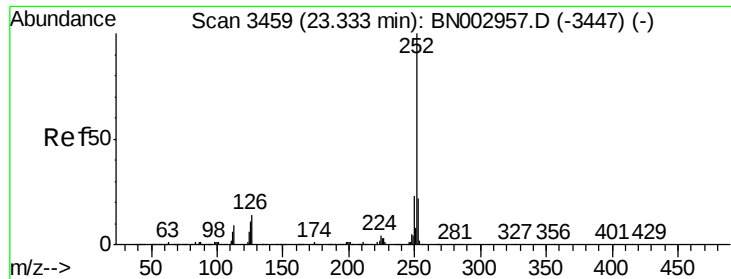
125 19.7 8.3 12.5#

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





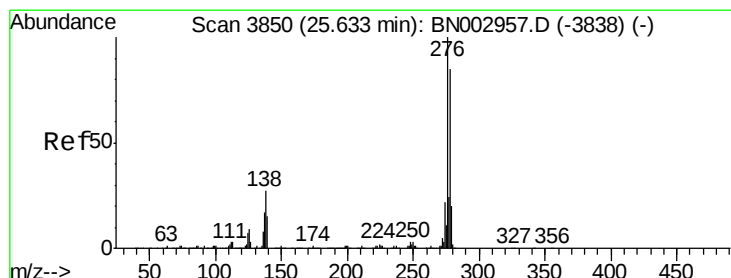
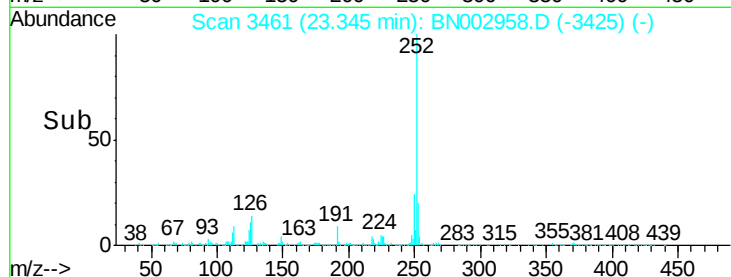
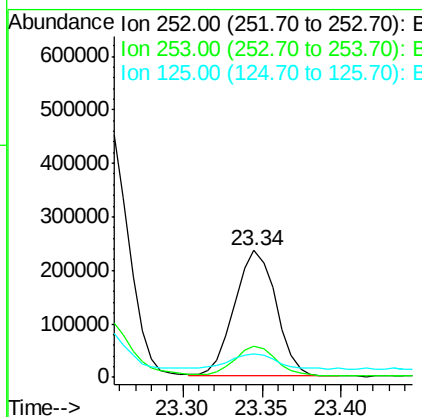
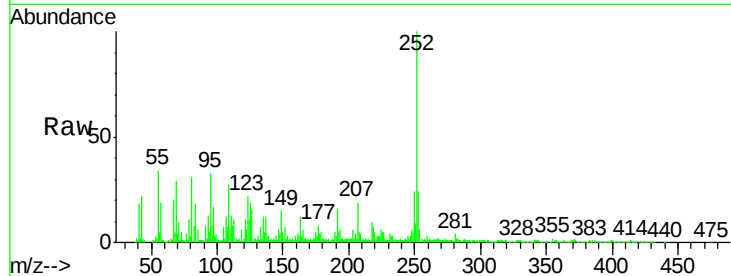
#90
Benzo(a)pyrene
Concen: 13.677 ng/u1
RT: 23.34 min Scan# 3461
Delta R.T. 0.01 min
Lab File: BN002958.D
Acq: 05 Oct 2018 09:52

Instrument :
BNA_N
ClientSampled :
JLC32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	18.7	8.8	13.2

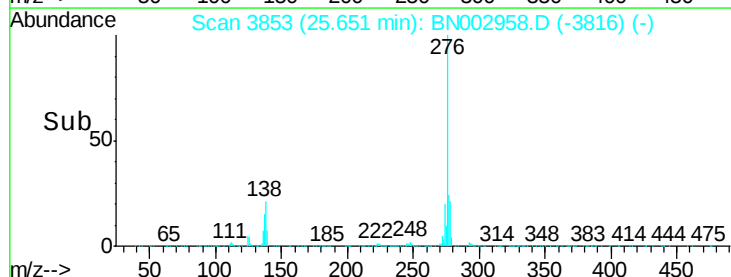
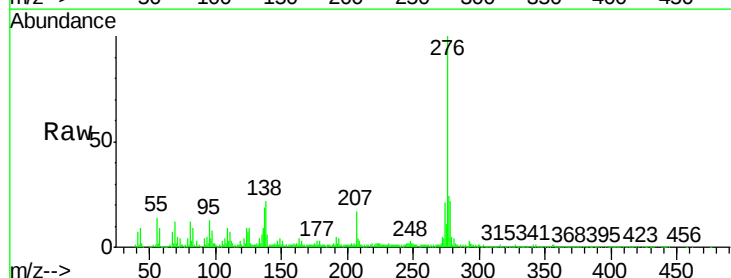
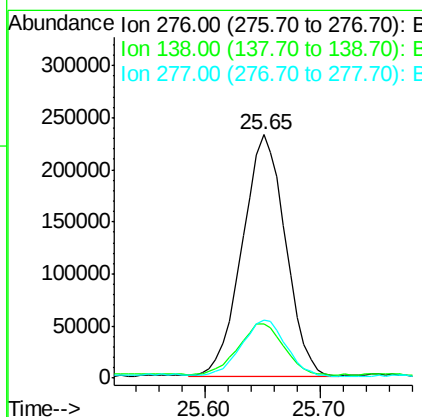
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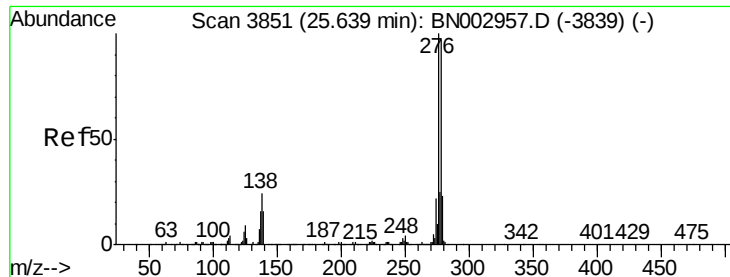
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#91
Indeno(1,2,3-cd)pyrene
Concen: 16.209 ng/u1
RT: 25.65 min Scan# 3853
Delta R.T. 0.02 min
Lab File: BN002958.D
Acq: 05 Oct 2018 09:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	20.2	30.4
277	23.9	20.0	30.0





#92

Dibenzo(a,h)anthracene

Concen: 5.121 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. 0.01 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Instrument :

BNA_N

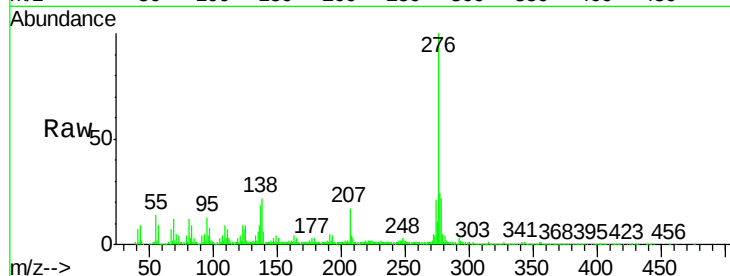
ClientSampled :

JLC32

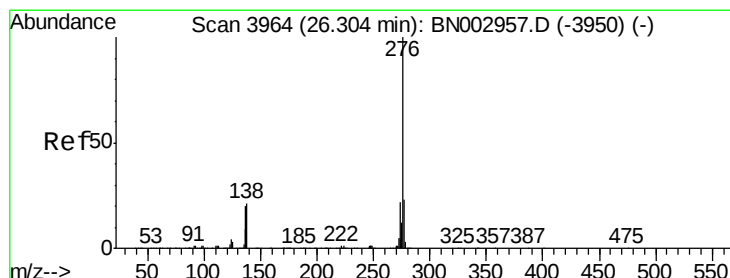
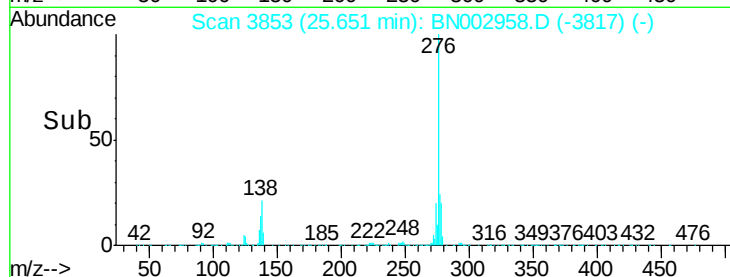
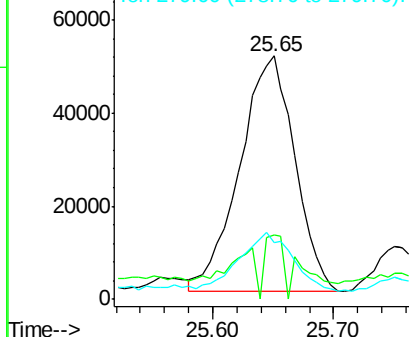
Tgt Ion:	278	Resp:	160671
Ion Ratio	Lower	Upper	
278	100		
139	26.4	12.7	19.1#
279	23.4	18.7	28.1

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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: 21.631 ng/ul

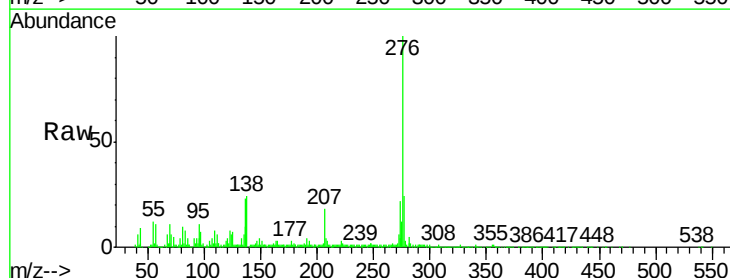
RT: 26.33 min Scan# 3969

Delta R.T. 0.03 min

Lab File: BN002958.D

Acq: 05 Oct 2018 09:52

Tgt Ion:	276	Resp:	673268
Ion Ratio	Lower	Upper	
276	100		
138	24.1	18.2	27.2
277	24.1	18.6	28.0



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

