

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\
 Data File : BN005278.D
 Acq On : 25 Apr 2019 08:00
 Operator : JU/SJ
 Sample : K2402-05DL2 20X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHH7DL2

Manual Integrations
 APPROVED

Sohil

Quant Time: Apr 25 08:48:03 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

4/25/2019 5:35:36 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	371778	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1481235	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	834310	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1792327	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1600760	20.00	ng/ul	-0.02
85) Perylene-d12	23.41	264	1763666	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2183	0.28	ng/uL	0.00
5) Phenol-d5	6.78	99	39589	1.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	25605	1.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	31295	1.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	16909	0.74	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	16263	1.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	15885	1.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	29169	1.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	34898	1.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	111245	1.84	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	131055	1.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	8376m	0.88	ng/ul	0.00
57) Fluorene-d10	15.23	176	95502	1.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	3816	0.47	ng/ul	0.00
70) Anthracene-d10	17.08	188	138967	1.85	ng/ul	0.00
78) Pyrene-d10	19.39	212	153411	1.87	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	139762	1.81	ng/ul	-0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	3669737	53.293	ng/ul	98
34) 2-Methylnaphthalene	12.02	142	1070202	21.226	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	202859	3.263	ng/ul	99
47) Acenaphthylene	13.95	152	415866	5.689	ng/ul	95
49) Acenaphthene	14.29	153	62572	1.254	ng/ul	96
58) Fluorene	15.28	166	438169	7.815	ng/ul	98
69) Phenanthrene	17.02	178	2151184	24.644	ng/ul	100
71) Anthracene	17.11	178	558449	6.280	ng/ul	99
76) Fluoranthene	19.06	202	833085	8.604	ng/ul	97
79) Pyrene	19.42	202	1170410	11.356	ng/ul	98
82) Benzo(a)anthracene	21.19	228	416806	4.185	ng/ul	93
84) Chrysene	21.25	228	342426	3.705	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	250885	2.531	ng/ul	98
90) Benzo(a)pyrene	23.31	252	298504	3.203	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.58	276	113974	1.106	ng/ul	96
93) Benzo(g,h,i)perylene	26.24	276	94023	1.104	ng/ul#	95

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

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Sample : K2402-05DL2 20X
Misc :
ALS Vial : 34 Sample Multiplier: 1

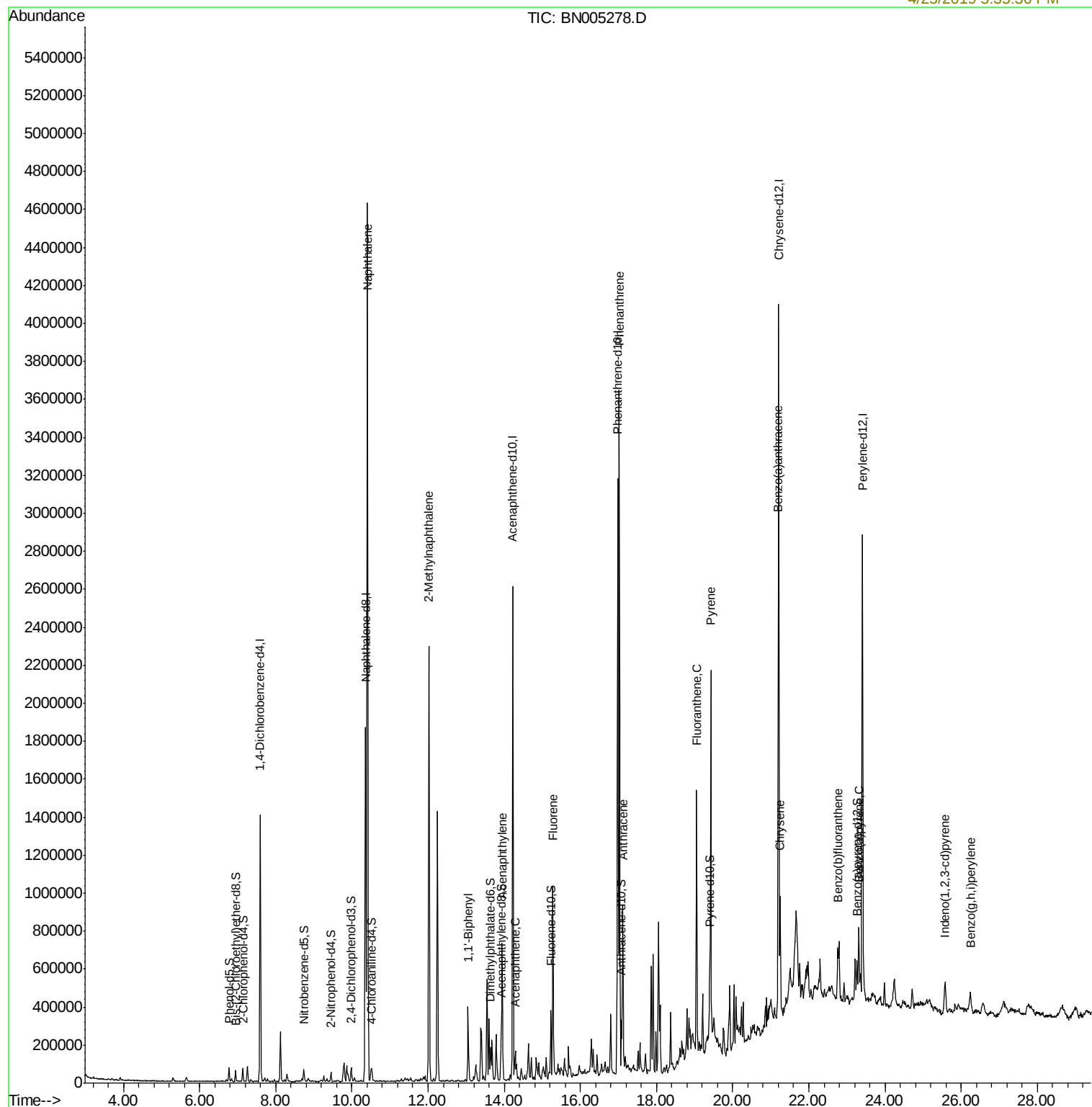
Instrument :
BNA_N
ClientSampleId :
GAHH7DL2

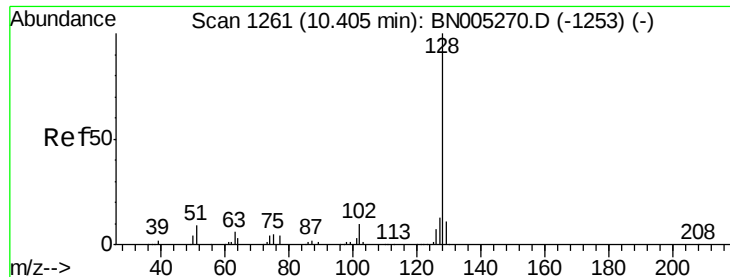
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Quant Time: Apr 25 08:48:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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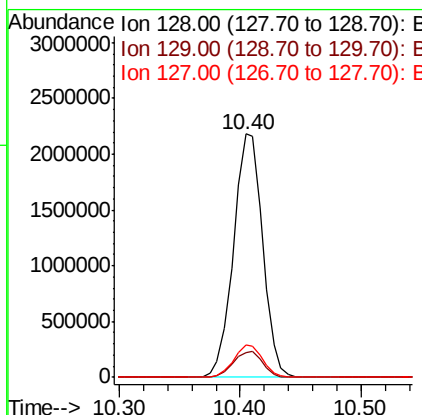
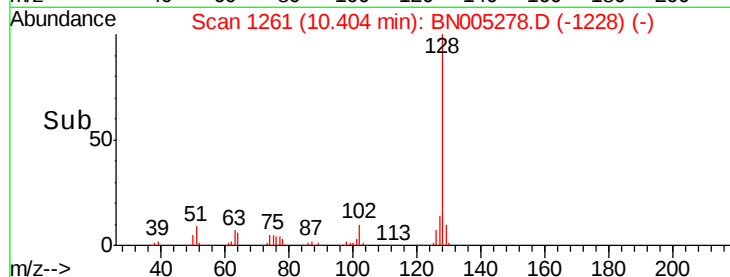
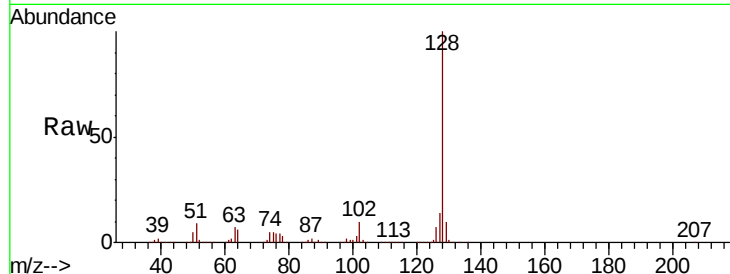
#28
Naphthalene
Concen: 53.293 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005278.D
Acq: 25 Apr 2019 08:00

Instrument :
BNA_N
ClientSampled :
GAHH7DL2

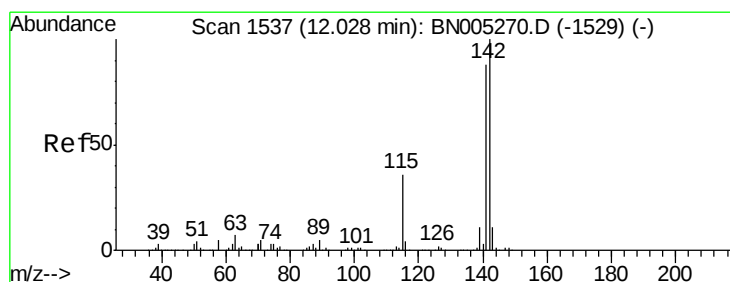
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.2	13.8
127	13.6	10.7	16.1

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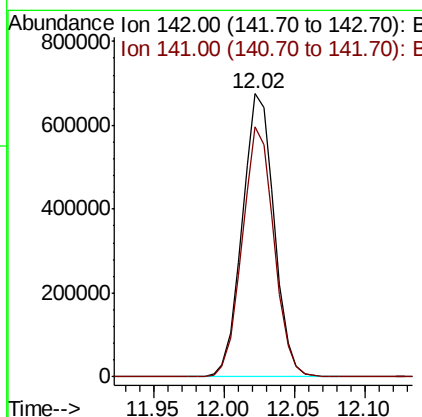
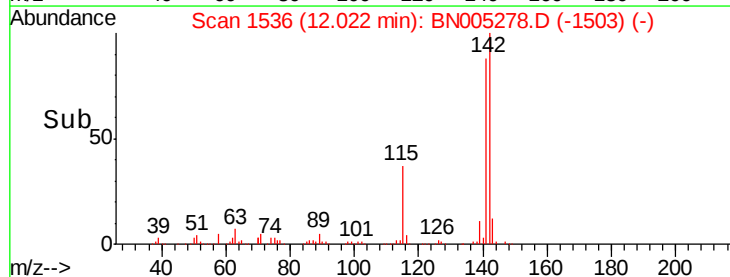
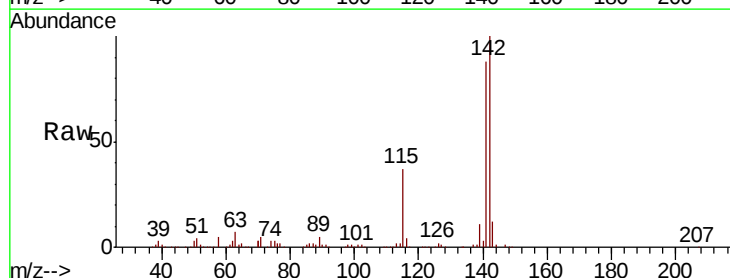


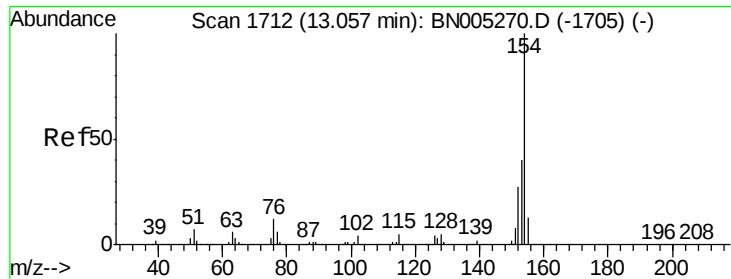
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#34
2-Methylnaphthalene
Concen: 21.226 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BN005278.D
Acq: 25 Apr 2019 08:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.0	108.0





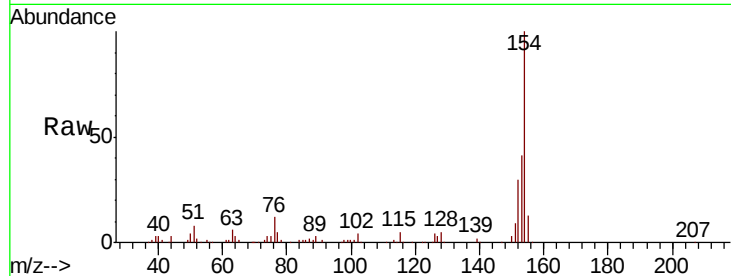
#40
 1,1'-Biphenyl
 Concen: 3.263 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BN005278.D
 Acq: 25 Apr 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 GAHH7DL2

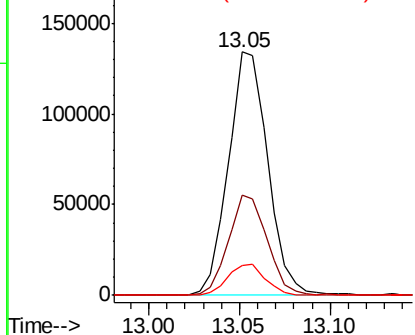
Tot Ion:	154	Resp:	202859
Ion Ratio	Lower	Upper	
154	100		
153	41.3	32.6	49.0
76	12.4	10.4	15.6

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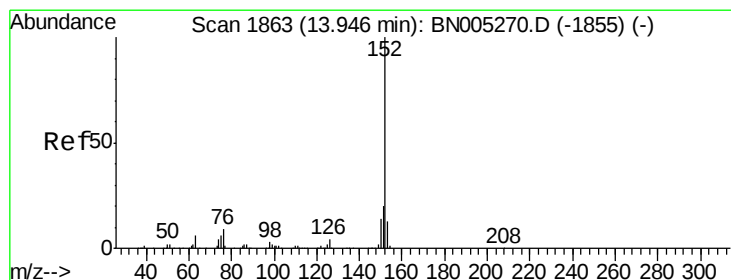
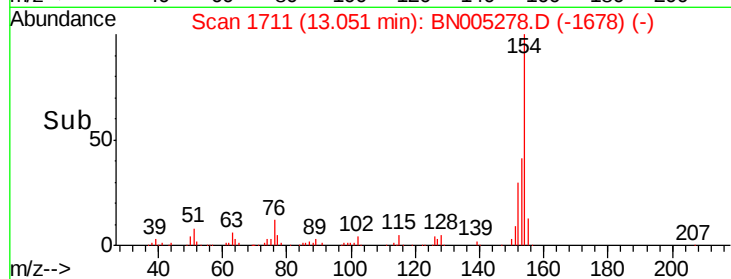
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Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

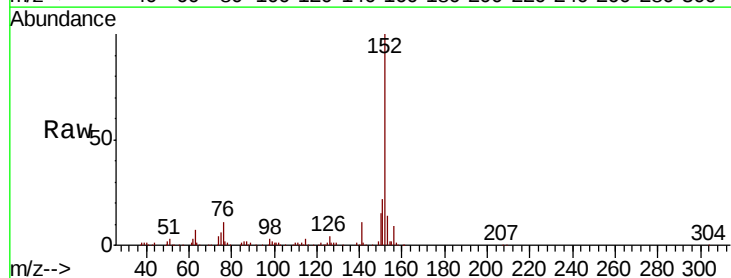


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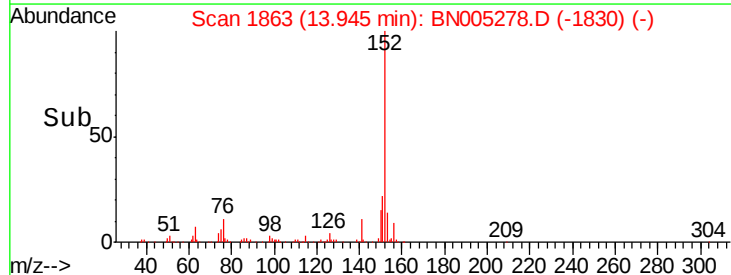
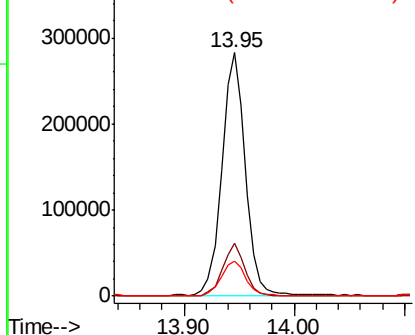


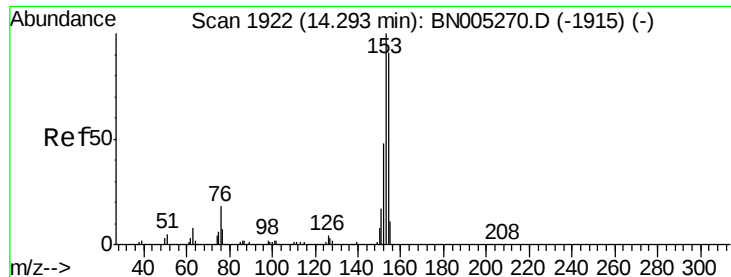
#47
 Acenaphthylene
 Concen: 5.689 ng/ul
 RT: 13.95 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BN005278.D
 Acq: 25 Apr 2019 08:00

Tgt Ion:	152	Resp:	415866
Ion Ratio	Lower	Upper	
152	100		
151	21.8	15.8	23.8
153	14.3	9.8	14.8



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: 1.254 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

Instrument :

BNA_N

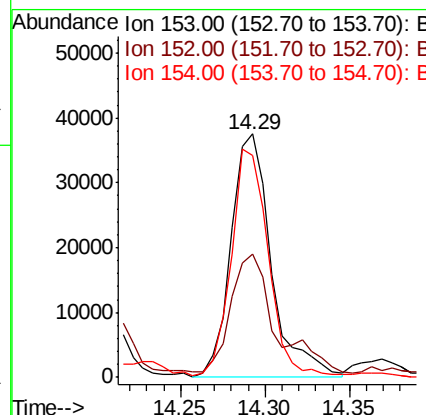
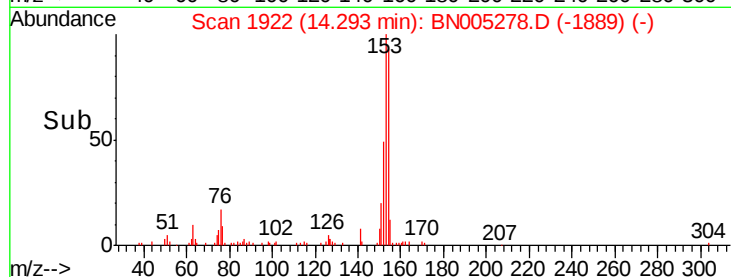
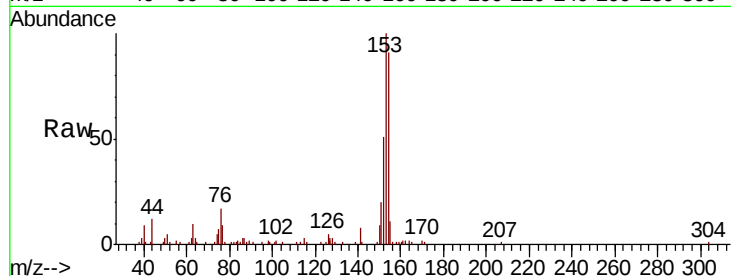
ClientSampleId :

GAHH7DL2

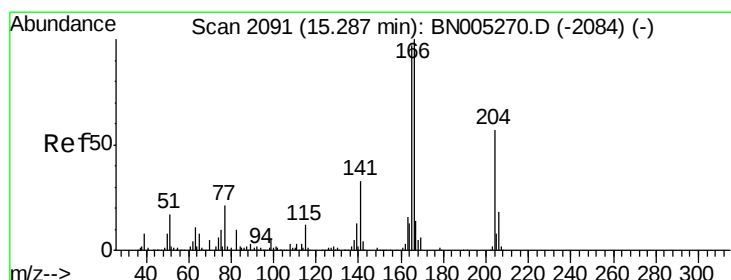
Tot Ion:	153	Resp:	62572
Ion	Ratio	Lower	Upper
153	100		
152	50.8	37.4	56.0
154	91.4	71.2	106.8

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#58

Fluorene

Concen: 7.815 ng/ul

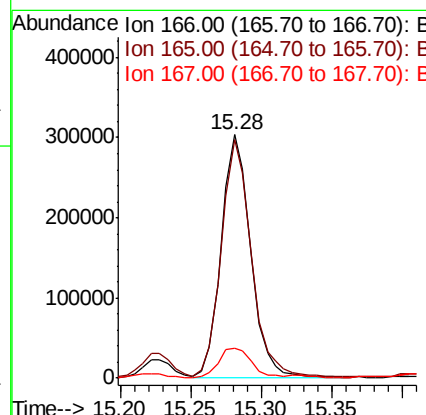
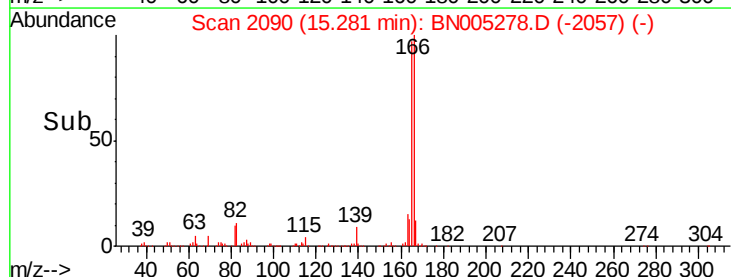
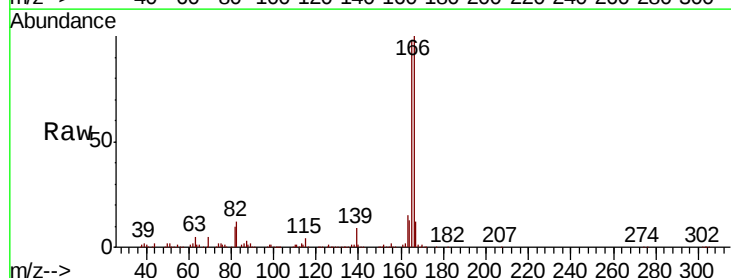
RT: 15.28 min Scan# 2090

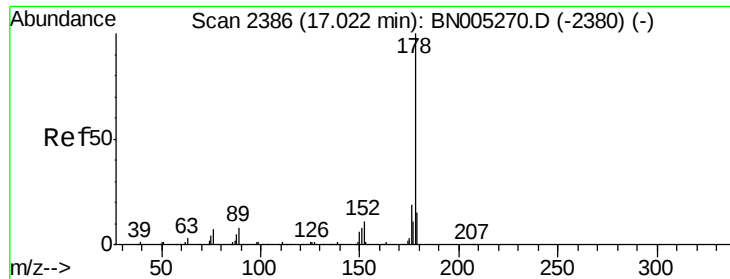
Delta R.T. -0.01 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

Tgt Ion:	166	Resp:	438169
Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.0	120.0
167	12.4	10.7	16.1





#69

Phenanthrene

Concen: 24.644 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

Instrument :

BNA_N

ClientSampleId :

GAHH7DL2

Tot Ion:178 Resp: 2151184

Ion Ratio Lower Upper

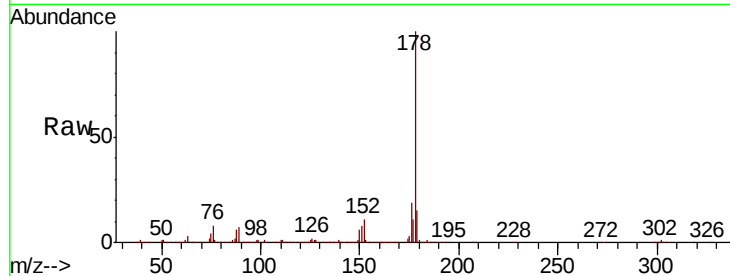
178 100

179 15.2 12.2 18.4

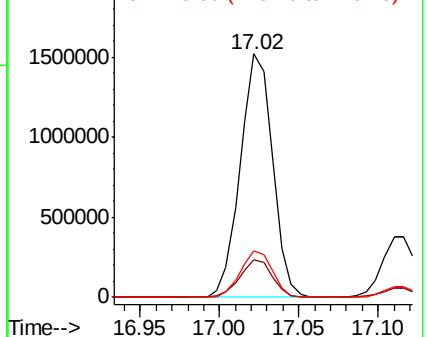
176 19.1 15.1 22.7

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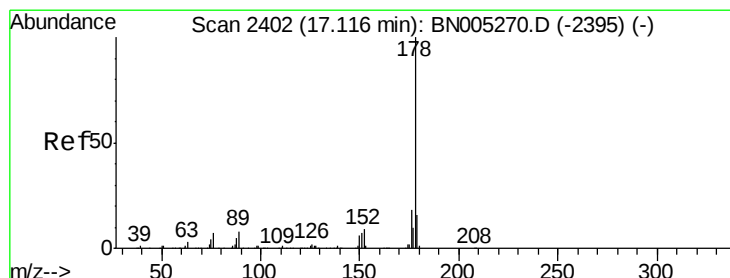
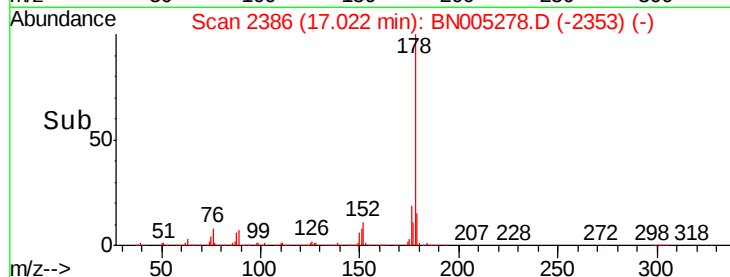
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



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#71

Anthracene

Concen: 6.280 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

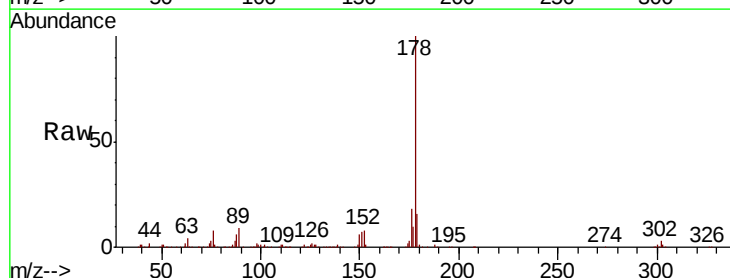
Tgt Ion:178 Resp: 558449

Ion Ratio Lower Upper

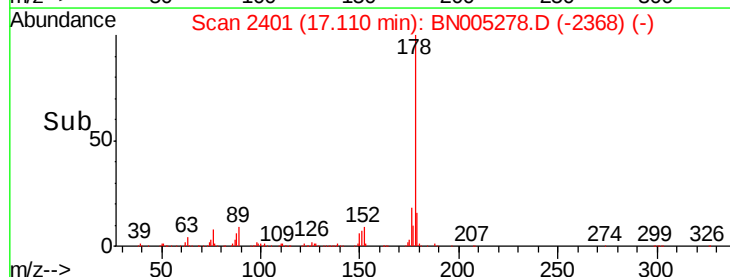
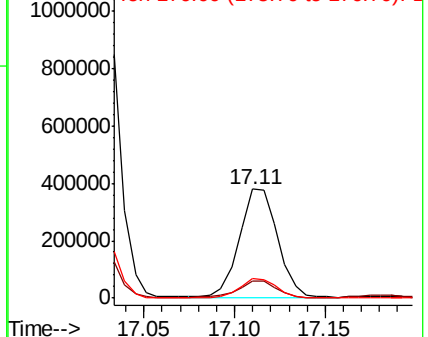
178 100

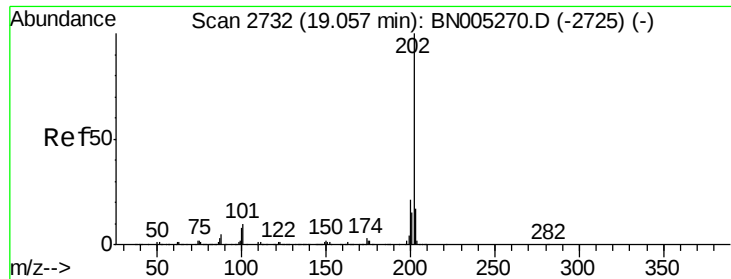
179 15.8 12.3 18.5

176 18.4 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





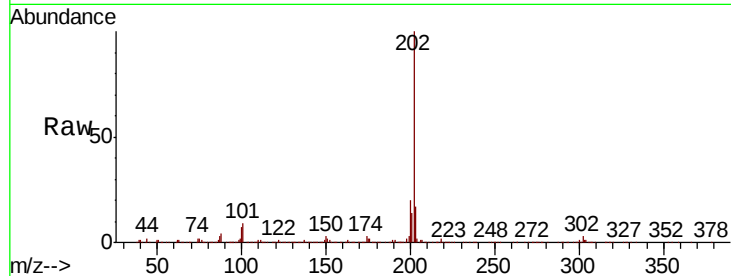
#76
Fluoranthene
Concen: 8.604 ng/ul
RT: 19.06 min Scan# 2732
Delta R.T. -0.01 min
Lab File: BN005278.D
Acq: 25 Apr 2019 08:00

Instrument :
BNA_N
ClientSampleId :
GAHH7DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		833085		
101	9.3	8.6	12.8		
100	7.0	6.3	9.5		

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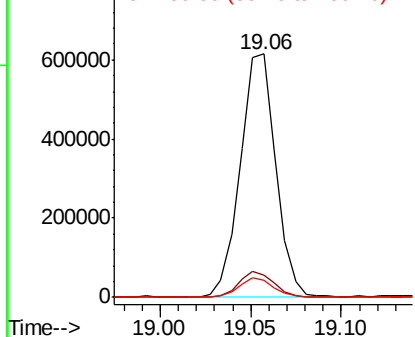


Abundance

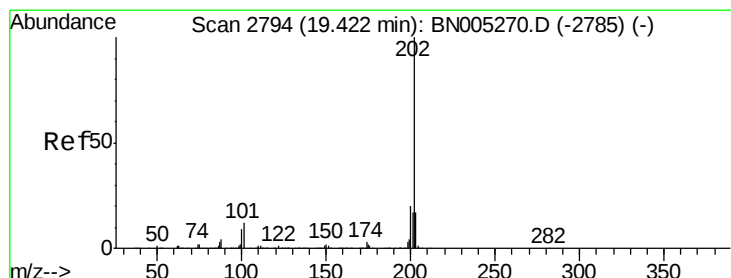
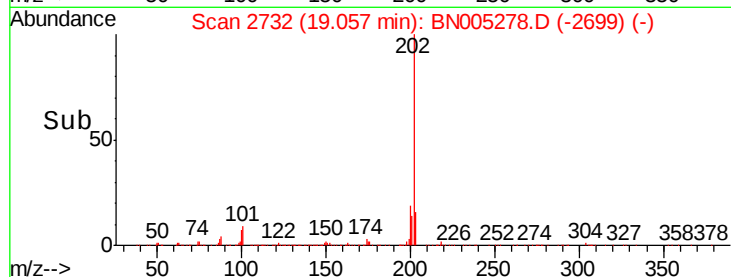
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

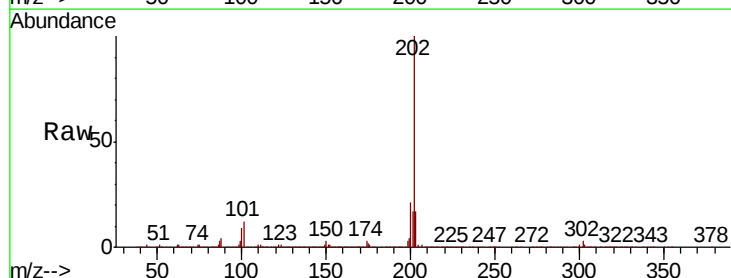


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#79
Pyrene
Concen: 11.356 ng/ul
RT: 19.42 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BN005278.D
Acq: 25 Apr 2019 08:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1170410		
101	11.9	10.3	15.5		
100	9.5	7.9	11.9		

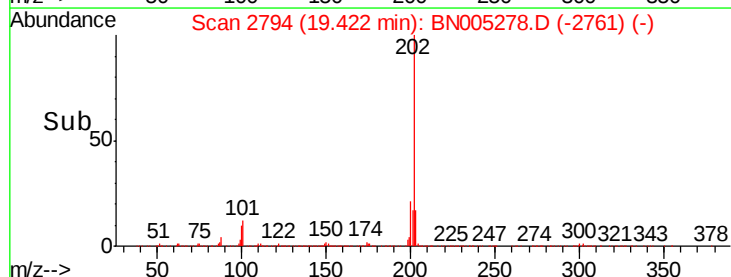
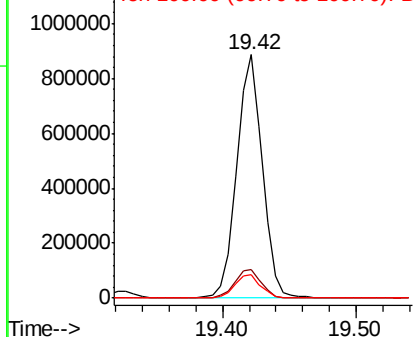


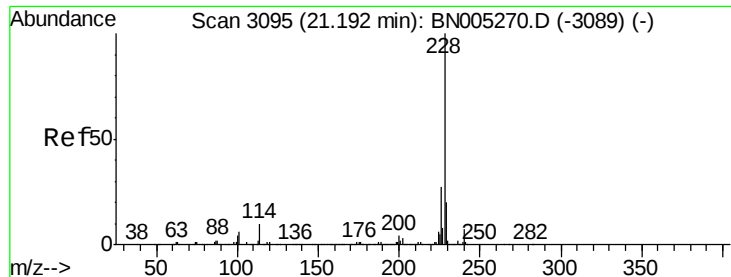
Abundance

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: 4.185 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

Instrument :

BNA_N

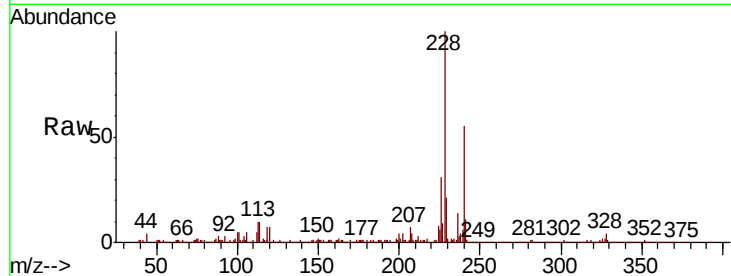
ClientSampleId :

GAHH7DL2

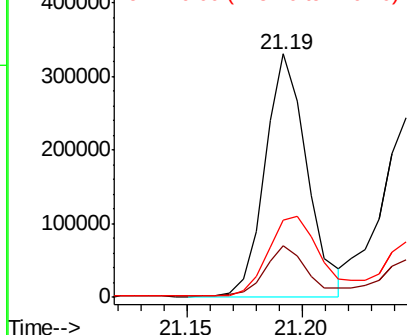
Tot Ion:	228	Resp:	416806
Ion Ratio	Lower	Upper	
228	100		
229	21.2	15.8	23.6
226	31.5	21.4	32.2

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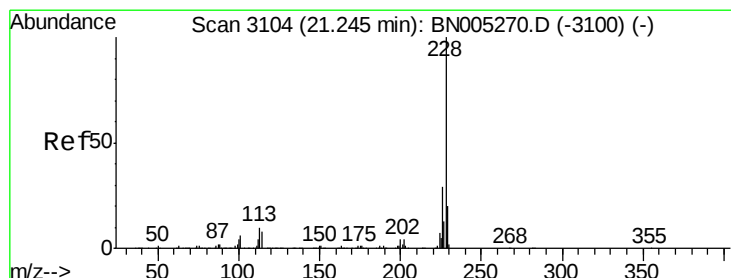
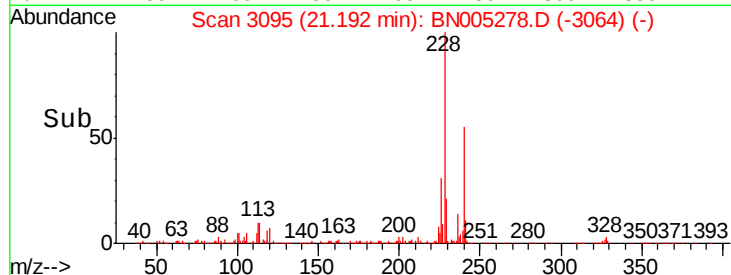
Sohil



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



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#84

Chrysene

Concen: 3.705 ng/ul

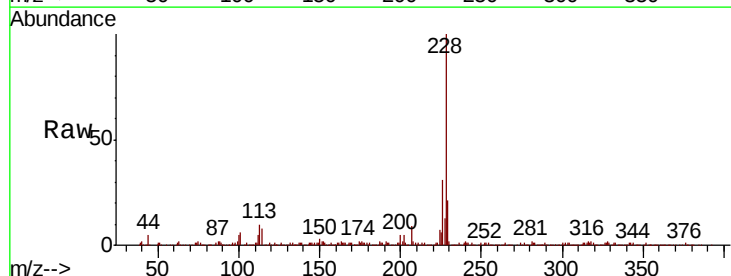
RT: 21.25 min Scan# 3104

Delta R.T. -0.02 min

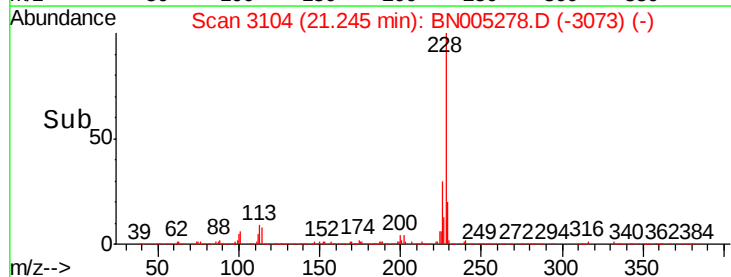
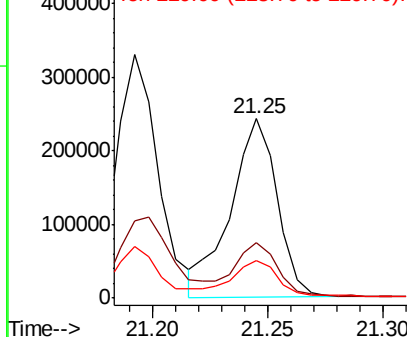
Lab File: BN005278.D

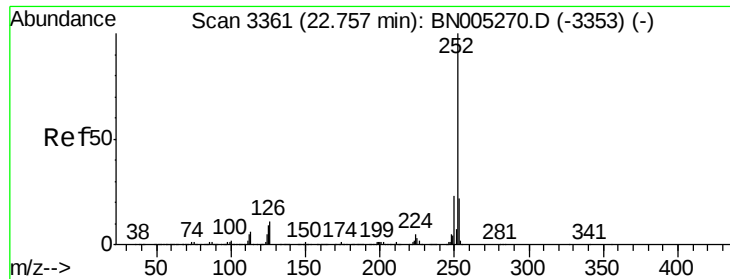
Acq: 25 Apr 2019 08:00

Tgt Ion:	228	Resp:	342426
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	20.7	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: 2.531 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.03 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

Instrument :

BNA_N

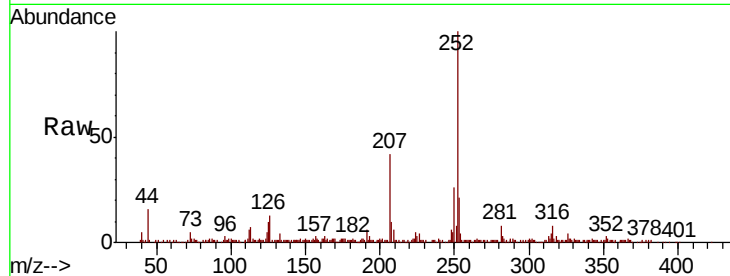
ClientSampleId :

GAHH7DL2

Tot Ion:	252	Resp:	250885
Ion Ratio	Lower	Upper	
252	100		
253	20.8	17.7	26.5
125	10.1	8.4	12.6

Manual Integrations
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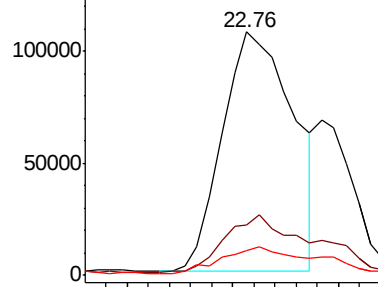


Abundance

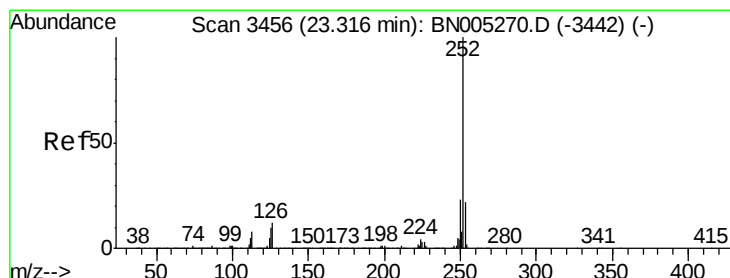
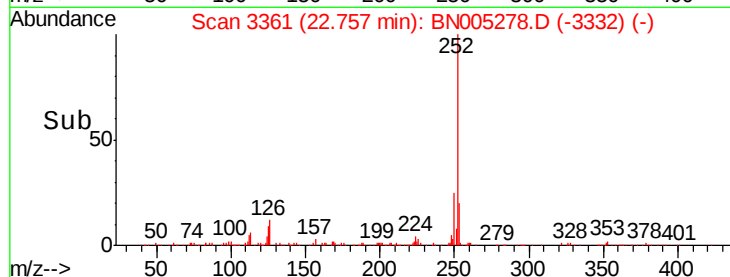
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



4/25/2019 5:35:36 PM



#90

Benzo(a)pyrene

Concen: 3.203 ng/ul

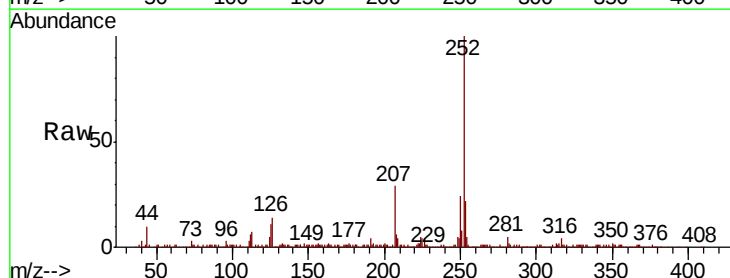
RT: 23.31 min Scan# 3455

Delta R.T. -0.03 min

Lab File: BN005278.D

Acq: 25 Apr 2019 08:00

Tgt Ion:	252	Resp:	298504
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.3	25.9
125	11.2	8.6	13.0

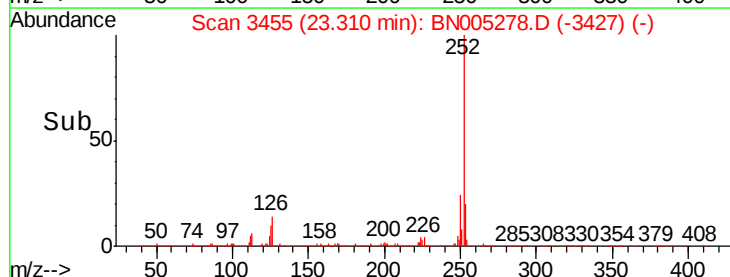
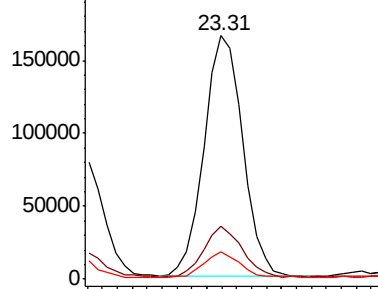


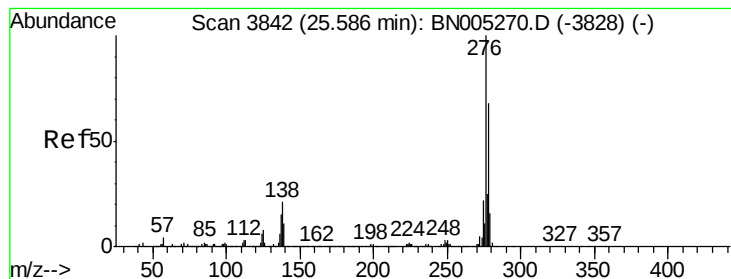
Abundance

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

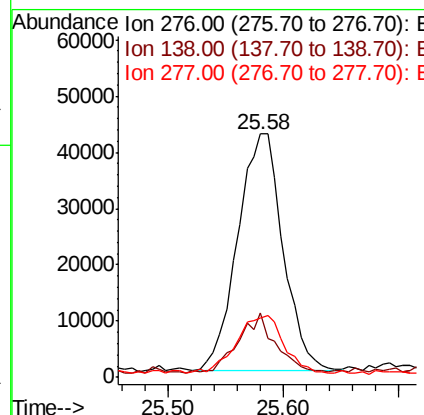
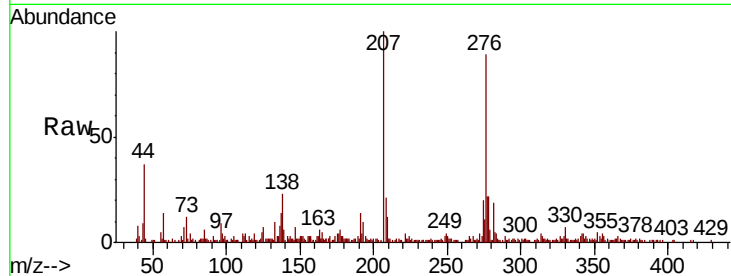
Indeno(1,2,3-cd)pyrene
Concen: 1.106 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.05 min
Lab File: BN005278.D
Acq: 25 Apr 2019 08:00

Instrument :
BNA_N
ClientSampleId :
GAHH7DL2

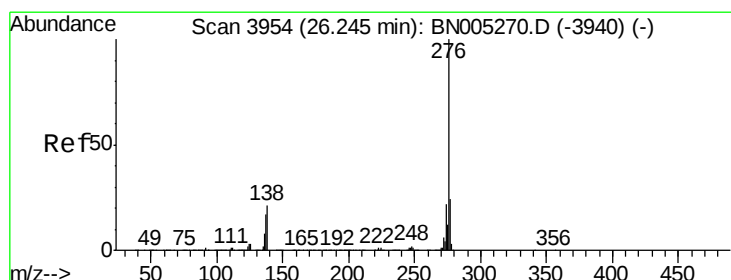
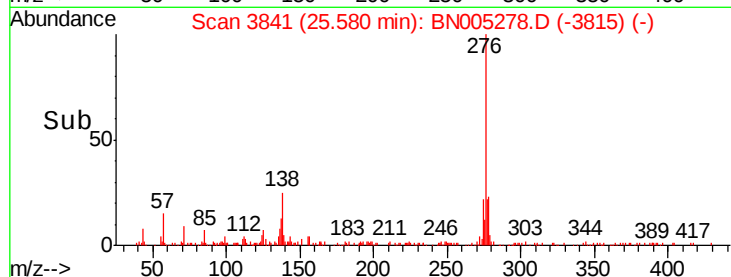
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	17.9	26.9
277	24.4	19.7	29.5

Manual Integrations
APPROVED

Sohil



4/25/2019 5:35:36 PM



#93

Benzo(g,h,i)perylene
Concen: 1.104 ng/ul
RT: 26.24 min Scan# 3953
Delta R.T. -0.05 min
Lab File: BN005278.D
Acq: 25 Apr 2019 08:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	16.7	25.1#
277	23.4	18.2	27.2

