

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
 Data File : BN002610.D
 Acq On : 06 Sep 2018 10:50
 Operator : JU/SJ
 Sample : J4688-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z16

Manual Integrations
 APPROVED

Sohil
 9/6/2018 4:30:04 PM

Quant Time: Sep 06 13:28:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 06 06:54:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	214840	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	953734	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	549805	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	1165784	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	812251	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	730946	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	14379	3.16	ng/uL	0.00
5) Phenol-d5	6.85	99	359041	18.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	229969	18.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	299132	19.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	276457	17.55	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	149041	19.63	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	171534	21.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	299833	20.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	62035	3.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	923470	20.26	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	1157874	20.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	120278	13.96	ng/ul	0.01
57) Fluorene-d10	15.29	176	797445	20.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	123365	16.62	ng/ul	0.00
70) Anthracene-d10	17.15	188	1153994	20.72	ng/ul	0.00
78) Pyrene-d10	19.45	212	1078098	27.74	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	801168	20.96	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.88	94	25363	1.264 ng/ul#	88
28) Naphthalene	10.48	128	126803	2.584 ng/ul	99
34) 2-Methylnaphthalene	12.10	142	79567	2.197 ng/ul	98
44) Dimethylphthalate	13.76	163	609111	13.627 ng/ul	99
47) Acenaphthylene	14.02	152	368426	6.921 ng/ul	99
49) Acenaphthene	14.36	153	92796	2.471 ng/ul	96
53) Dibenzofuran	14.70	168	99270	1.874 ng/ul	100
58) Fluorene	15.35	166	101959	2.352 ng/ul#	98
69) Phenanthrene	17.09	178	1961773	30.525 ng/ul	99
71) Anthracene	17.18	178	606453	9.304 ng/ul	99
74) Carbazole	17.45	167	258971	4.480 ng/ul	98
76) Fluoranthene	19.12	202	6411388	87.652 ng/ul	98
79) Pyrene	19.48	202	4375720	89.343 ng/ul	97
82) Benzo(a)anthracene	21.23	228	1611781	32.390 ng/ul	96
83) Bis(2-ethylhexyl)phthalate	21.17	149	163742	5.261 ng/ul#	96
84) Chrysene	21.29	228	1739590	36.936 ng/ul	98
87) Benzo(b)fluoranthene	22.81	252	1779978	40.625 ng/ul	98
88) Benzo(k)fluoranthene	22.85	252	549084m	13.302 ng/ul	
90) Benzo(a)pyrene	23.37	252	943738	22.611 ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.69	276	674359	13.581 ng/ul#	93
92) Dibenzo(a,h)anthracene	25.69	278	190388	4.586 ng/ul#	77
93) Benzo(a,h,i)perylene	26.37	276	572261	13.813 ng/ul	97

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Quant Title : SVOA CALIBRATION
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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

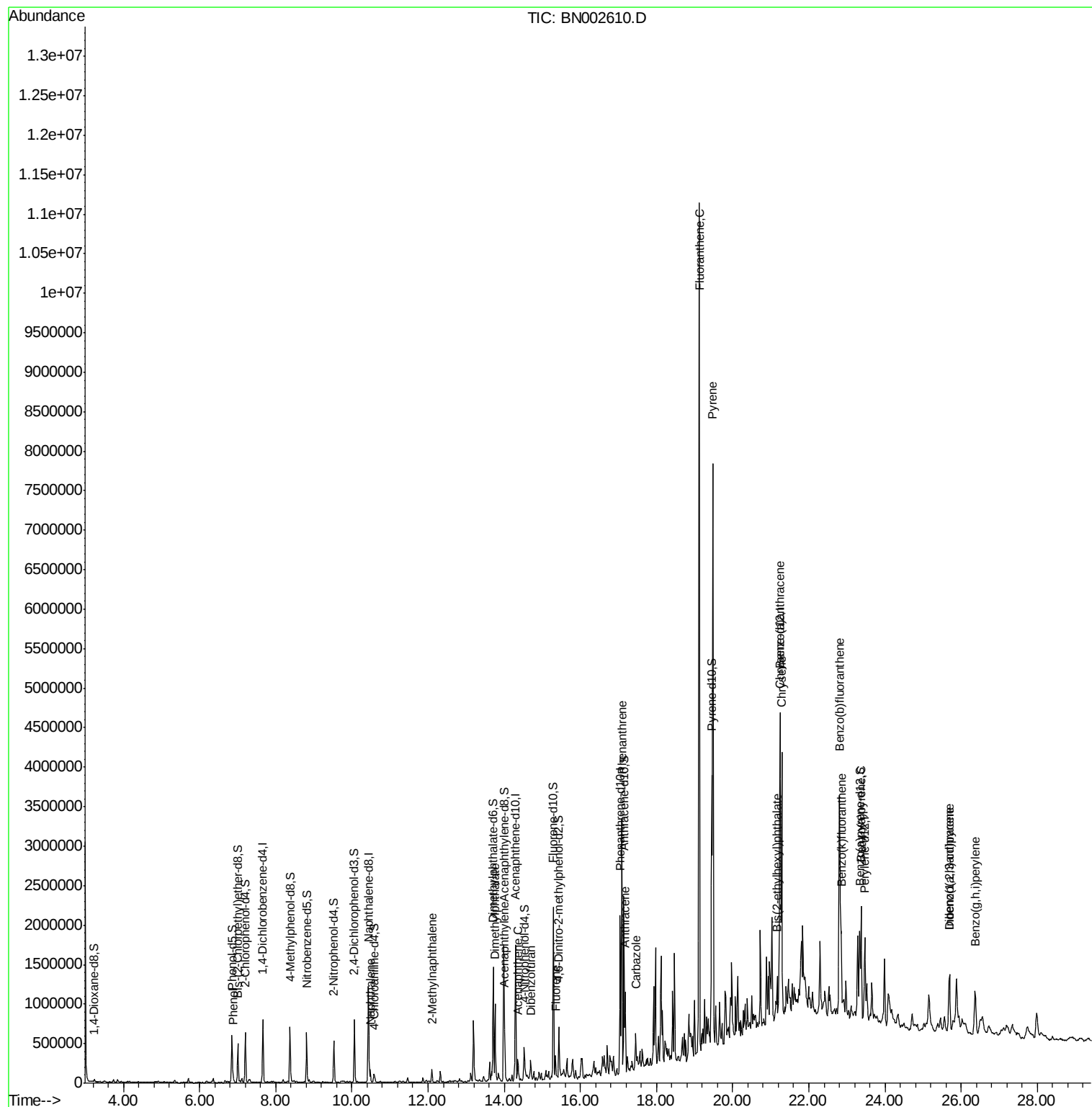
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
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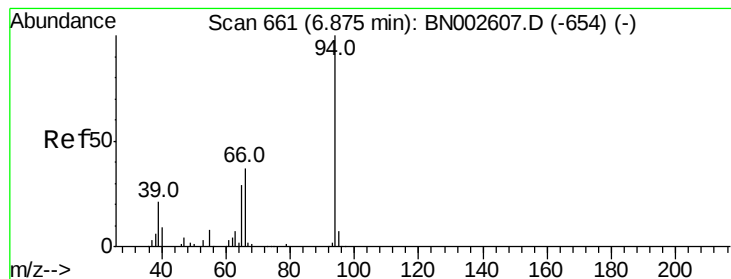
Instrument :
BNA_N
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#6

Phenol

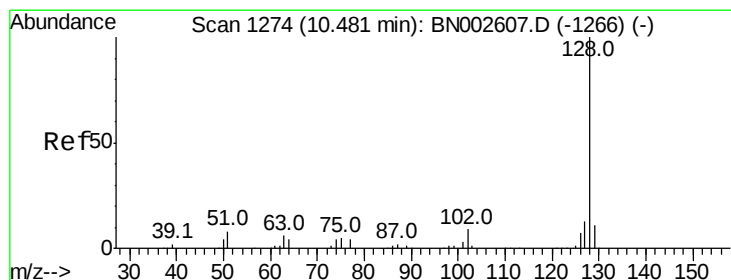
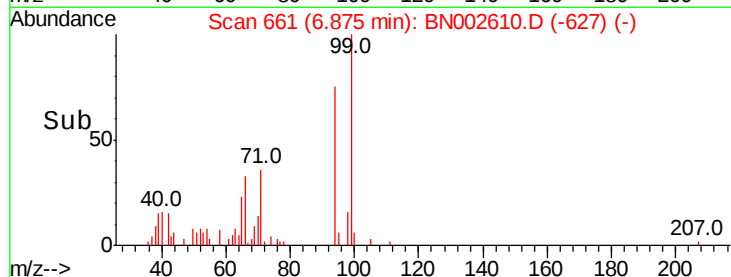
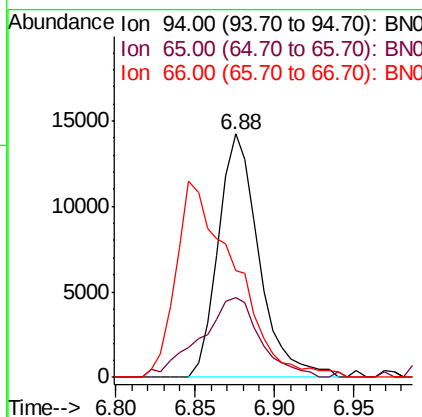
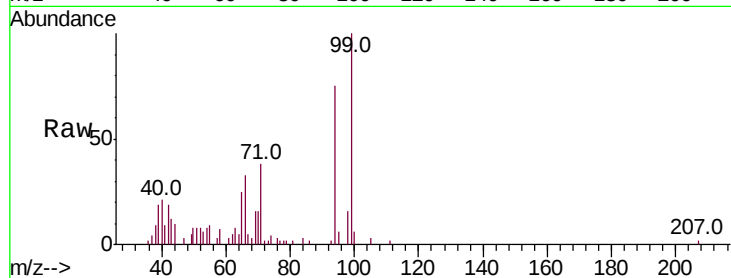
Concen: 1.264 ng/ul
 RT: 6.88 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: BN002610.D
 Acq: 06 Sep 2018 10:50

Instrument :
 BNA_N
 ClientSampleId :
 A3Z16

Tot Ion	Ratio	Lower	Upper
94	100		
65	32.9	21.0	31.6#
66	43.6	29.3	43.9

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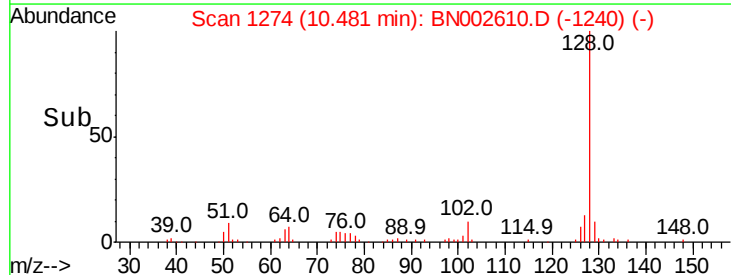
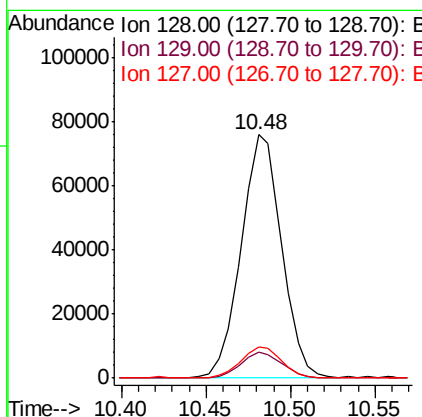
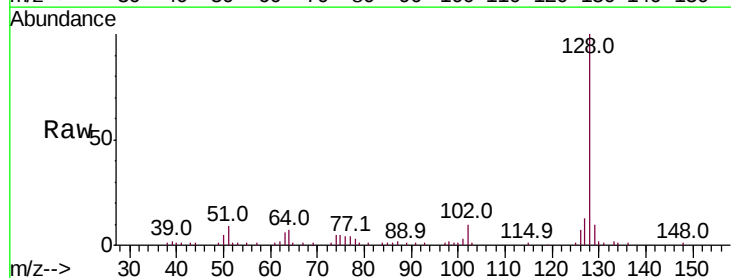


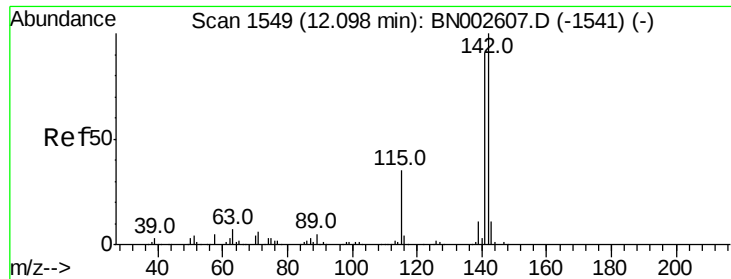
#28

Naphthalene

Concen: 2.584 ng/ul
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BN002610.D
 Acq: 06 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.6	10.5	15.7





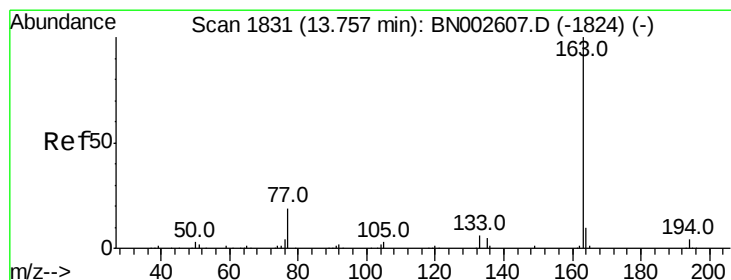
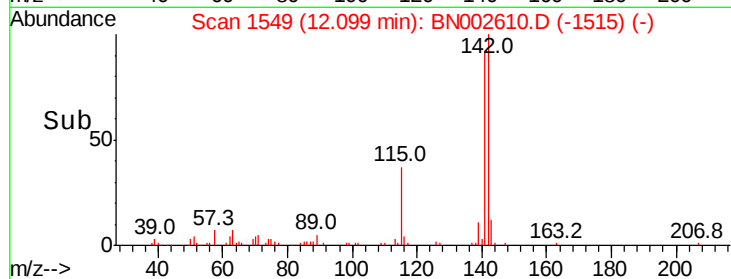
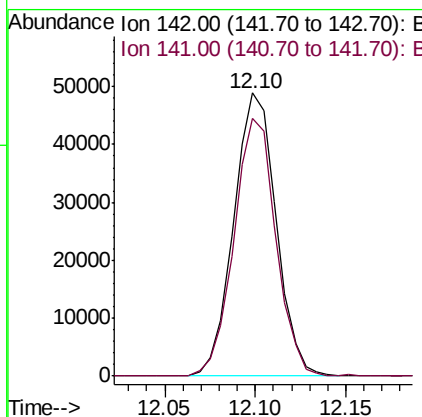
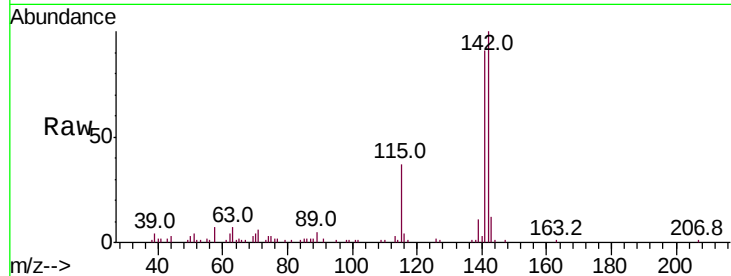
#34
2-Methylnaphthalene
Concen: 2.197 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BN002610.D
Acq: 06 Sep 2018 10:50

Instrument :
BNA_N
ClientSampled :
A3Z16

Tot Ion:142 Resp: 79567
Ion Ratio Lower Upper
142 100
141 90.9 71.6 107.4

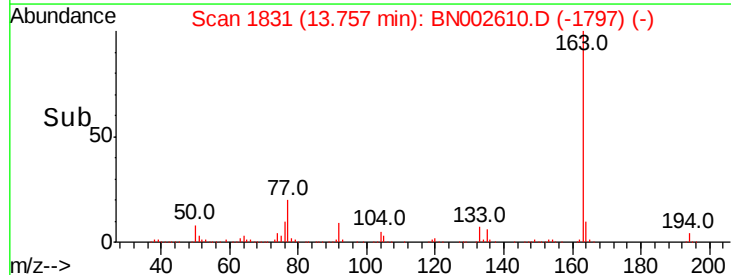
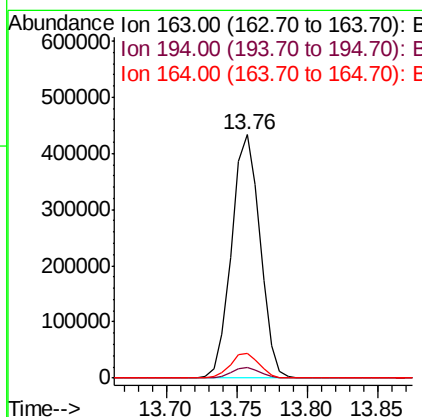
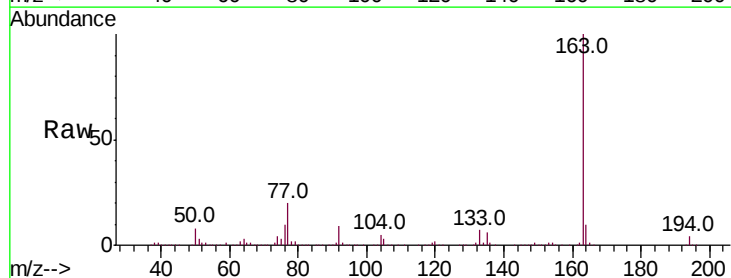
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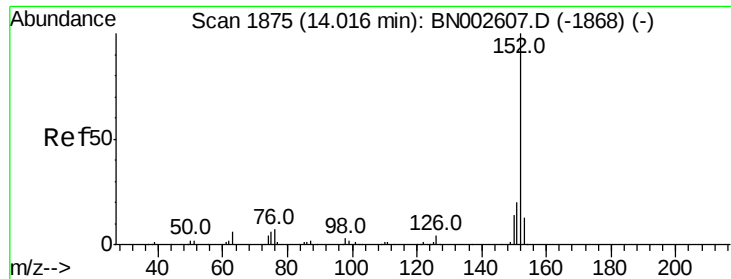
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#44
Dimethylphthalate
Concen: 13.627 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BN002610.D
Acq: 06 Sep 2018 10:50

Tgt Ion:163 Resp: 609111
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.2 7.8 11.8





#47

Acenaphthylene

Concen: 6.921 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Instrument :

BNA_N

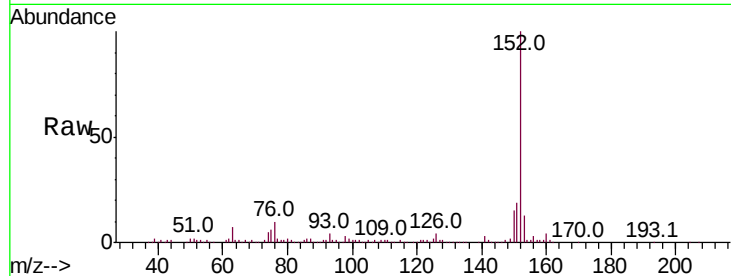
ClientSampleId :

A3Z16

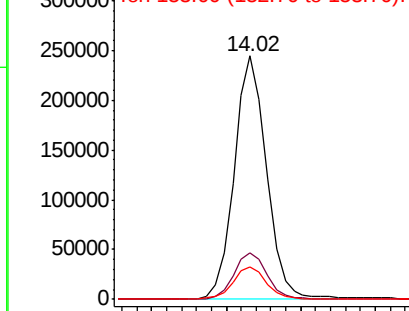
Tot Ion:	152	Resp:	368426
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.7	23.5
153	13.4	10.5	15.7

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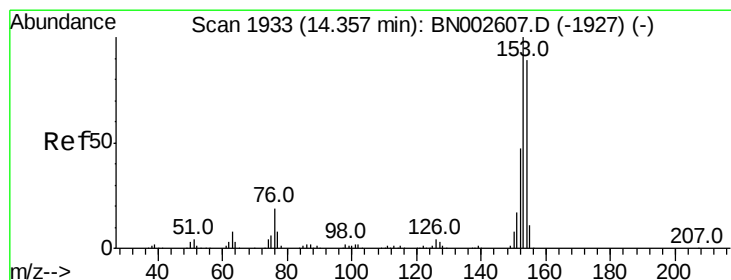
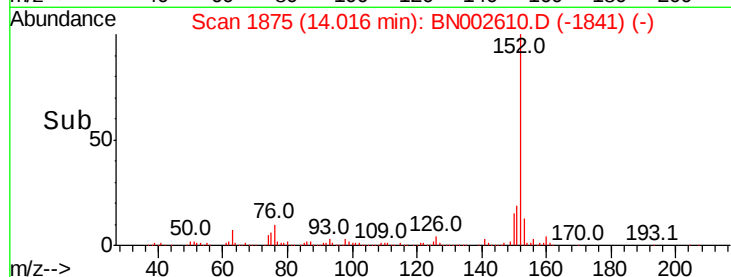
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#49

Acenaphthene

Concen: 2.471 ng/ul

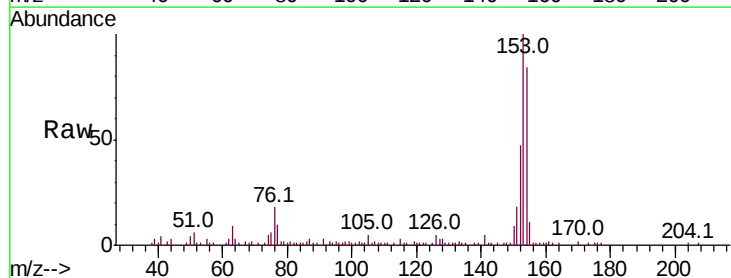
RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

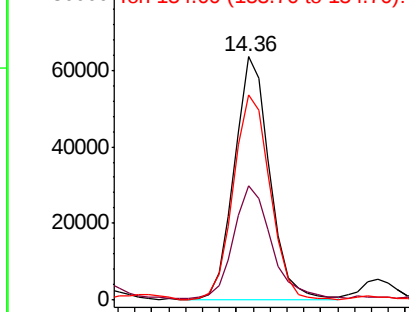
Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

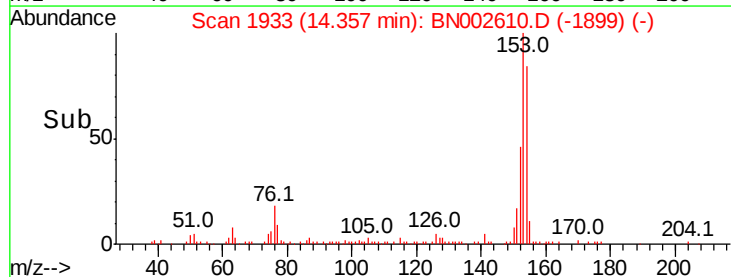
Tgt Ion:	153	Resp:	92796
Ion Ratio	Lower	Upper	
153	100		
152	47.2	38.3	57.5
154	84.4	71.8	107.8

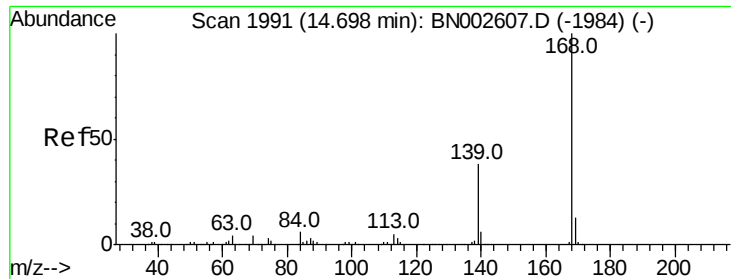


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





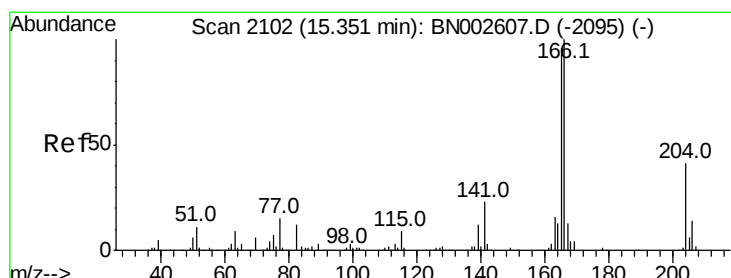
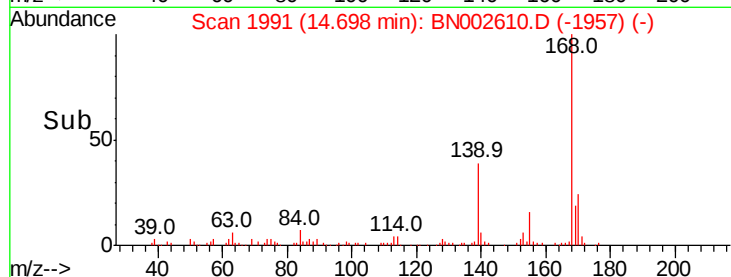
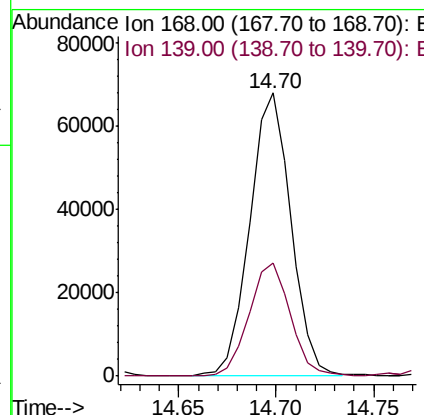
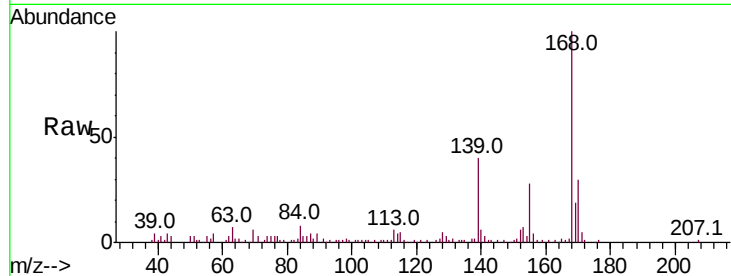
#53
Dibenzo(f,h)quinoxaline
Concen: 1.874 ng/ul
RT: 14.70 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BN002610.D
Acq: 06 Sep 2018 10:50

Instrument :
BNA_N
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A3Z16

Tot Ion:168 Resp: 99270
Ion Ratio Lower Upper
168 100
139 39.9 32.2 48.2

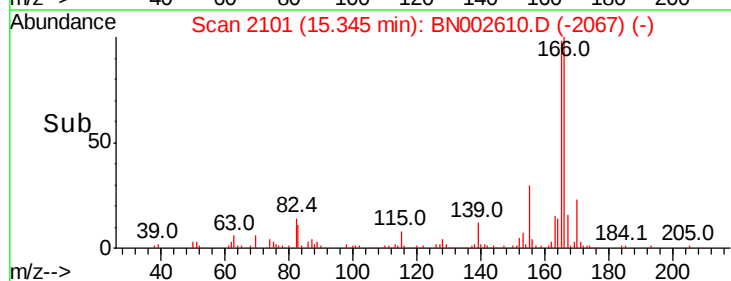
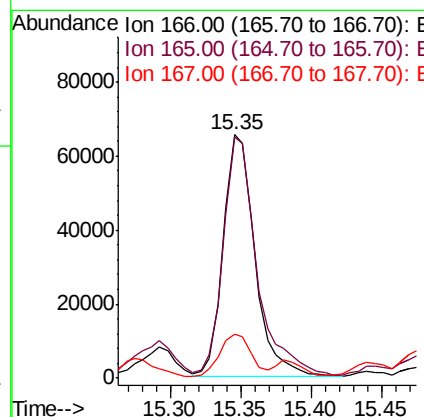
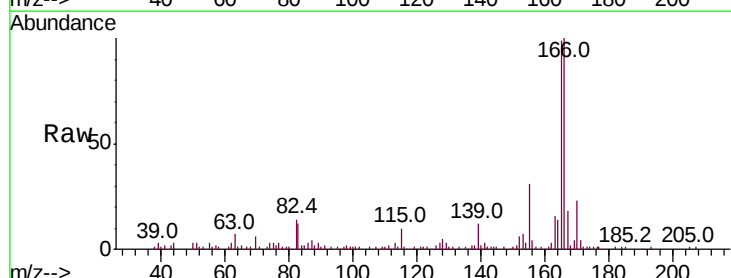
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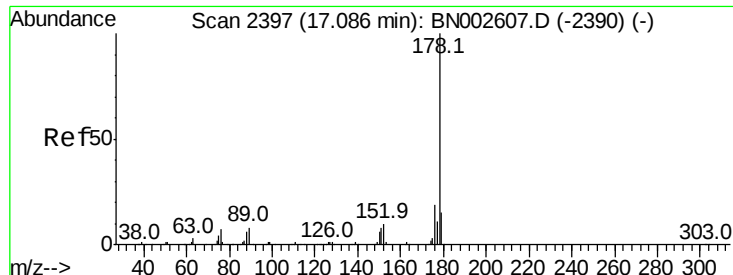
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#58
Fluorene
Concen: 2.352 ng/ul
RT: 15.35 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BN002610.D
Acq: 06 Sep 2018 10:50

Tgt Ion:166 Resp: 101959
Ion Ratio Lower Upper
166 100
165 98.8 78.5 117.7
167 18.2 10.7 16.1#





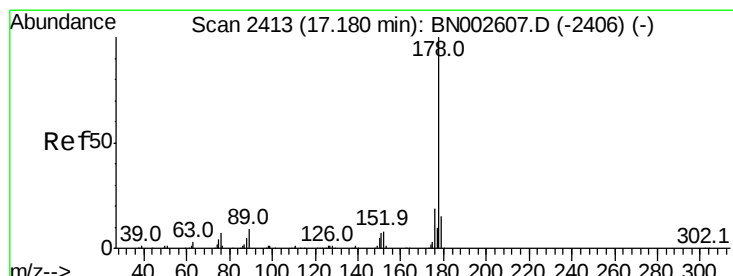
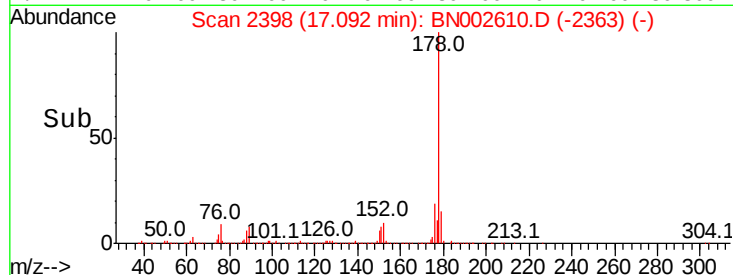
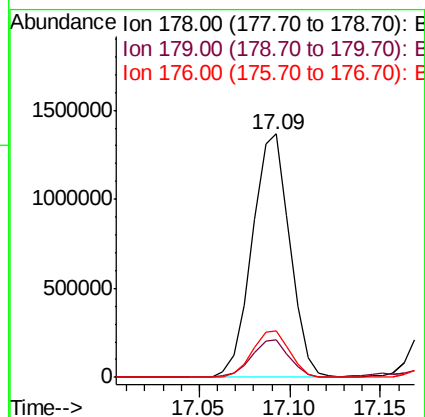
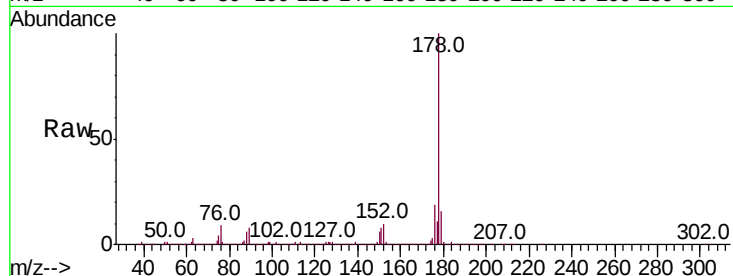
#69
Phenanthrene
Concen: 30.525 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BN002610.D
Acq: 06 Sep 2018 10:50

Instrument :
BNA_N
ClientSampled :
A3Z16

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.4
176	19.0	15.6	23.4

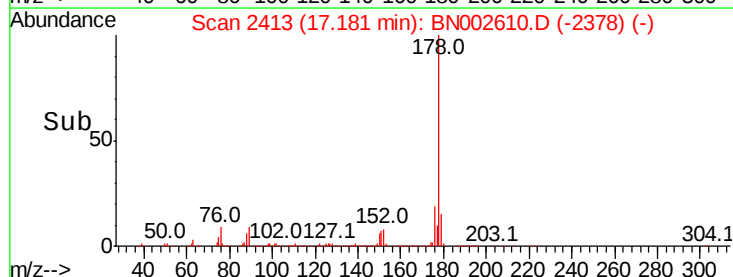
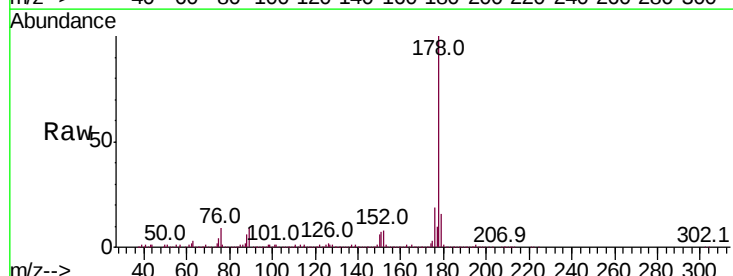
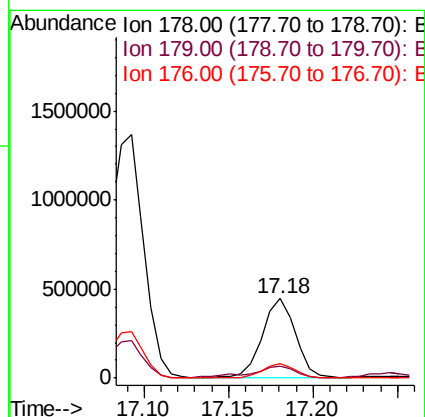
Manual Integrations
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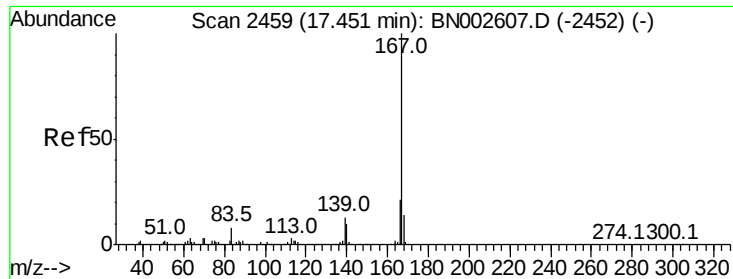
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#71
Anthracene
Concen: 9.304 ng/ul
RT: 17.18 min Scan# 2413
Delta R.T. 0.01 min
Lab File: BN002610.D
Acq: 06 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	19.0	14.8	22.2





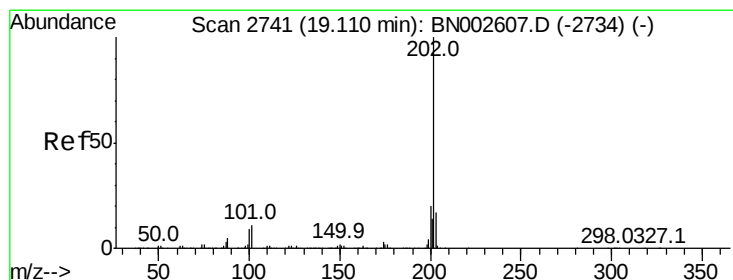
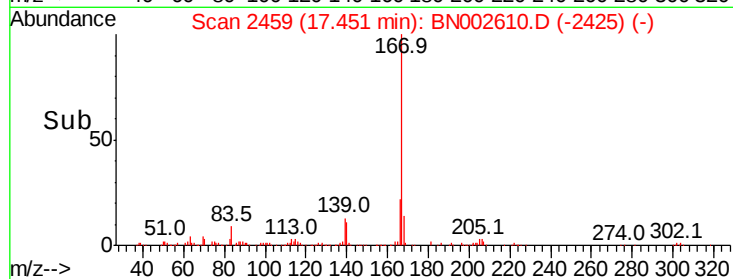
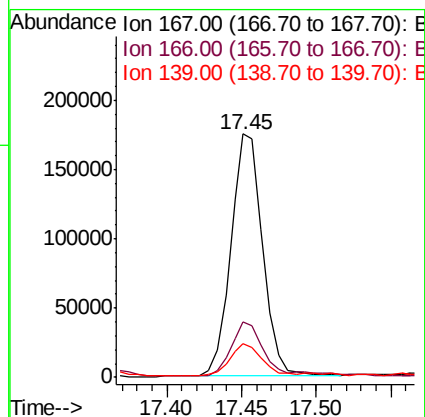
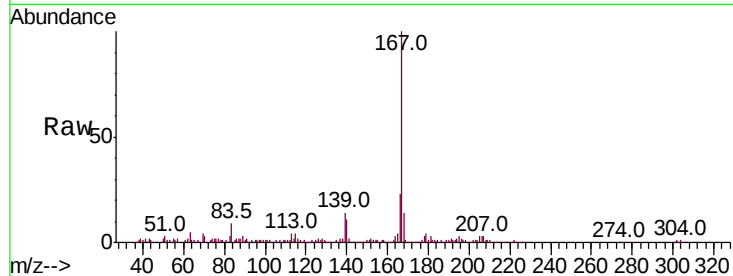
#74
 Carbazole
 Concen: 4.480 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BN002610.D
 Acq: 06 Sep 2018 10:50

Instrument :
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 ClientSampleId :
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Tot Ion:	167	Resp:	258971
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.0	25.6
139	13.8	11.0	16.4

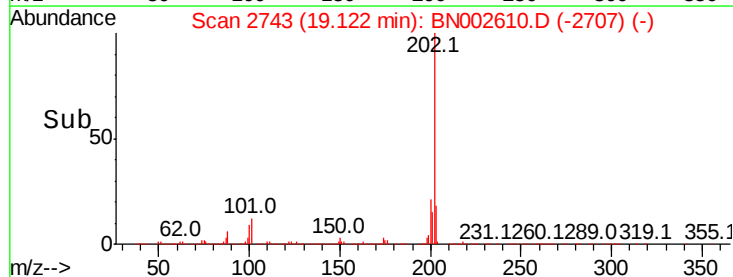
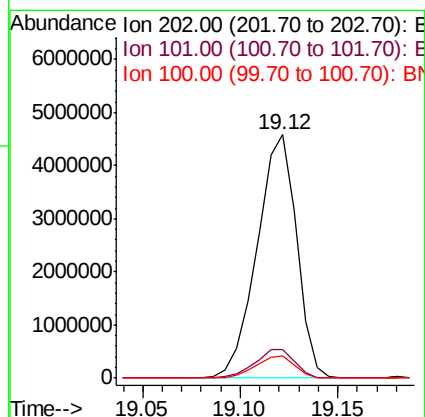
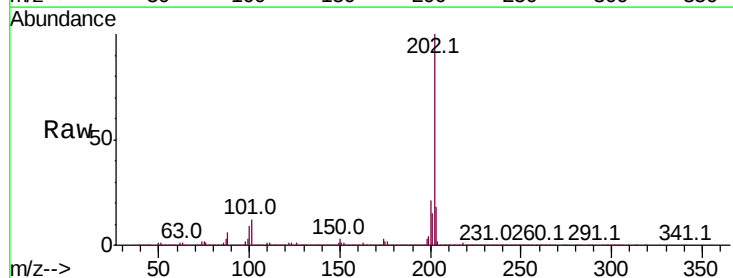
Manual Integrations
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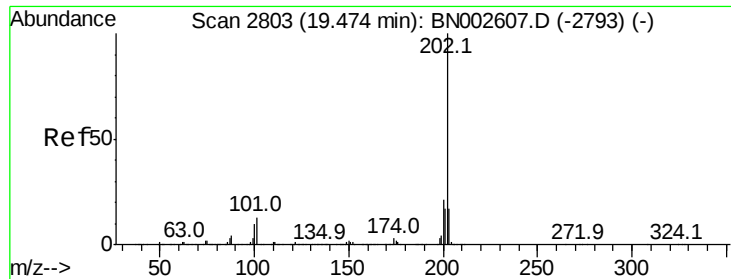
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#76
 Fluoranthene
 Concen: 87.652 ng/ul
 RT: 19.12 min Scan# 2743
 Delta R.T. 0.01 min
 Lab File: BN002610.D
 Acq: 06 Sep 2018 10:50

Tgt Ion:	202	Resp:	6411388
Ion Ratio	Lower	Upper	
202	100		
101	11.8	8.8	13.2
100	9.0	6.6	9.8





#79

Pvrene

Concen: 89.343 ng/ul

RT: 19.48 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Instrument :

BNA_N

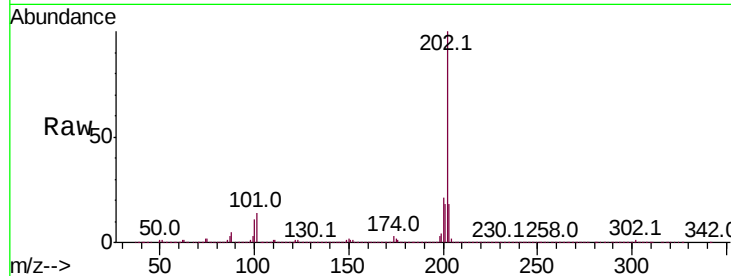
ClientSampleId :

A3Z16

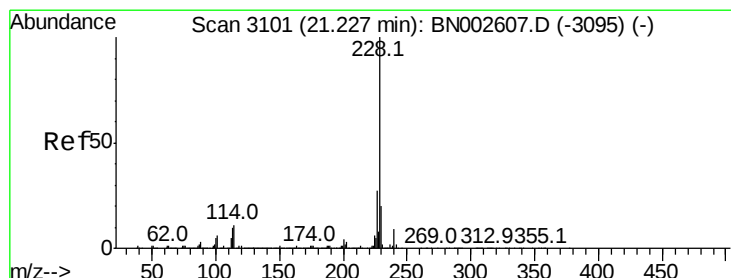
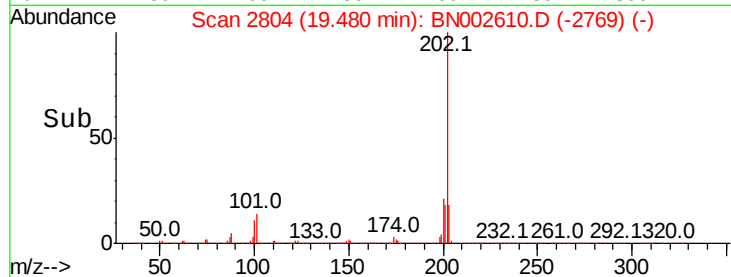
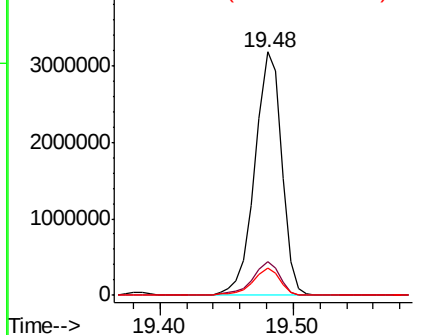
Tot Ion:	202	Resp:	4375720
Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.2	15.2
100	11.3	8.5	12.7

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



#82

Benzo(a)anthracene

Concen: 32.390 ng/ul

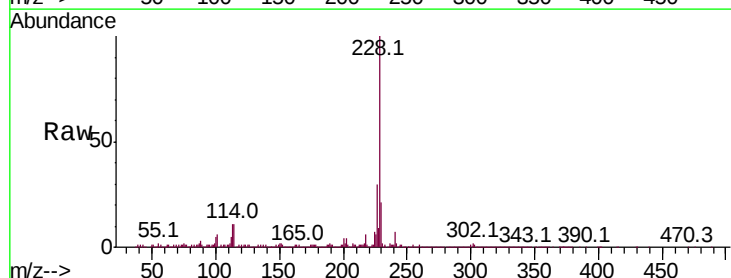
RT: 21.23 min Scan# 3102

Delta R.T. 0.01 min

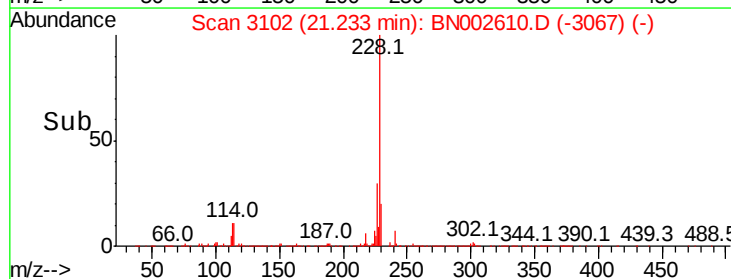
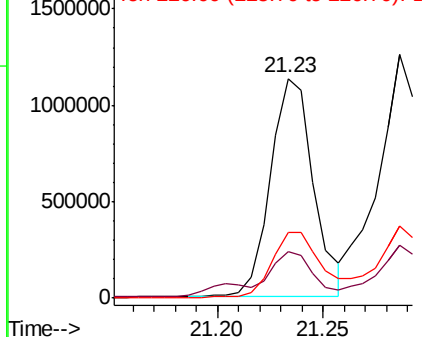
Lab File: BN002610.D

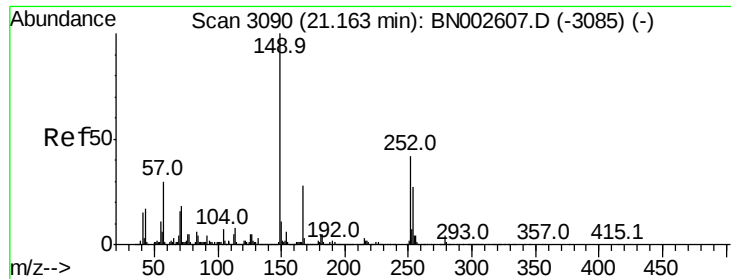
Acq: 06 Sep 2018 10:50

Tgt Ion:	228	Resp:	1611781
Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.7	23.5
226	29.9	21.8	32.6



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





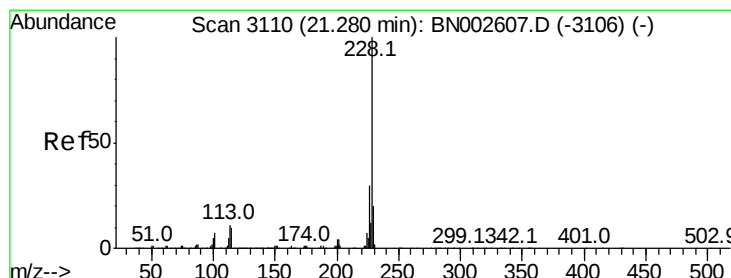
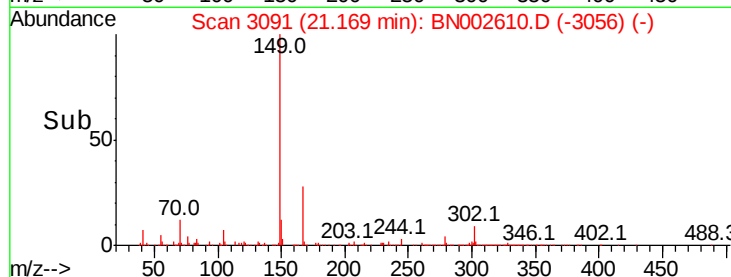
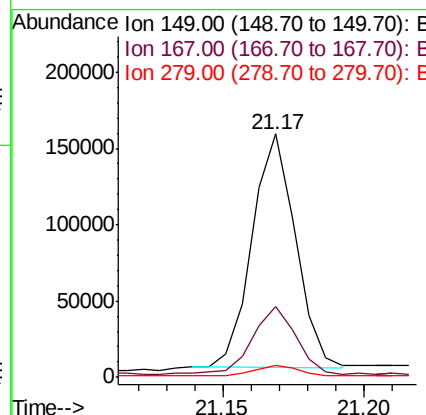
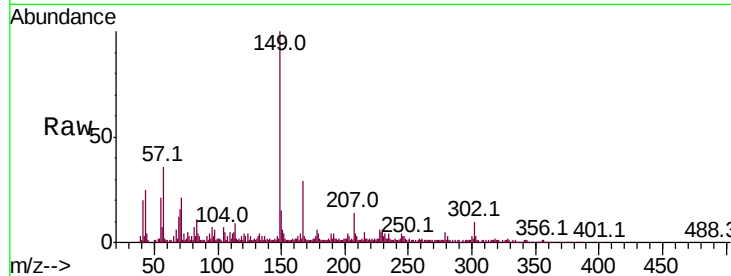
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.261 ng/ul
 RT: 21.17 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BN002610.D
 Acq: 06 Sep 2018 10:50

Instrument :
 BNA_N
 ClientSampleId :
 A3Z16

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.1	21.6	32.4
279	4.8	3.0	4.4

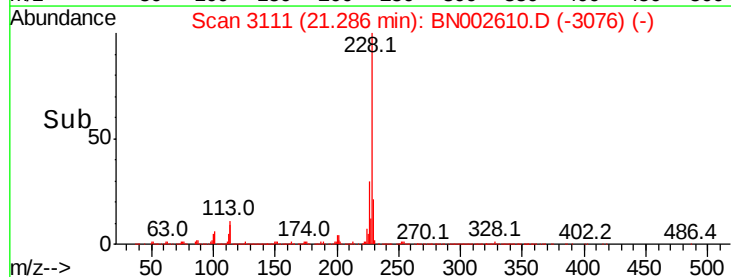
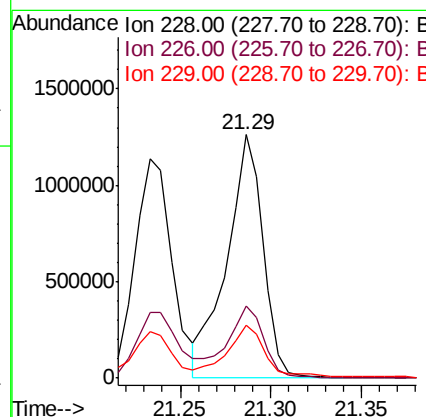
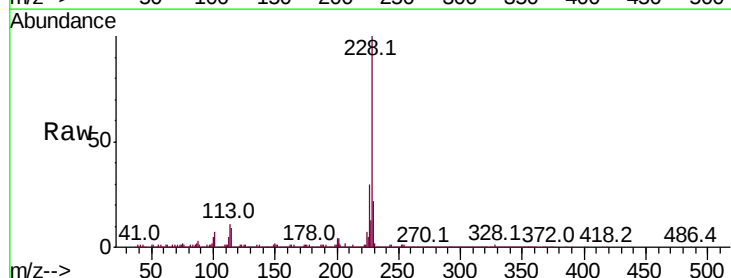
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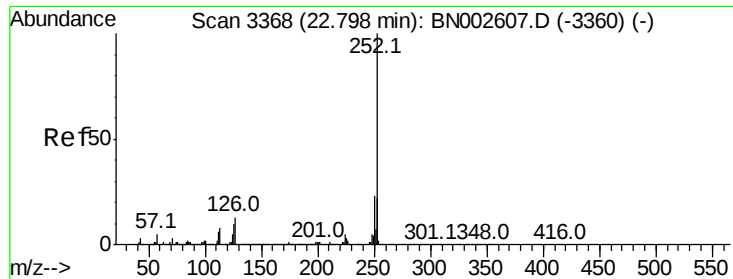
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#84
 Chrysene
 Concen: 36.936 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. 0.01 min
 Lab File: BN002610.D
 Acq: 06 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.9	15.6	23.4





#87

Benzo(b)fluoranthene

Concen: 40.625 ng/ul

RT: 22.81 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Instrument :

BNA_N

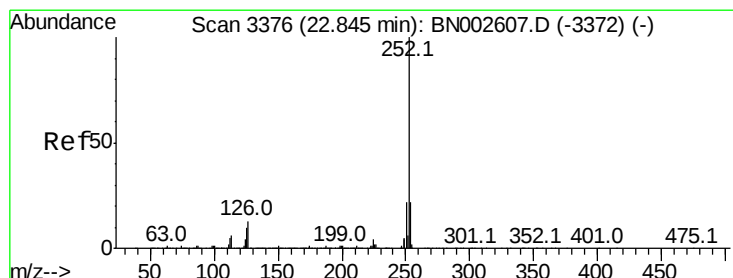
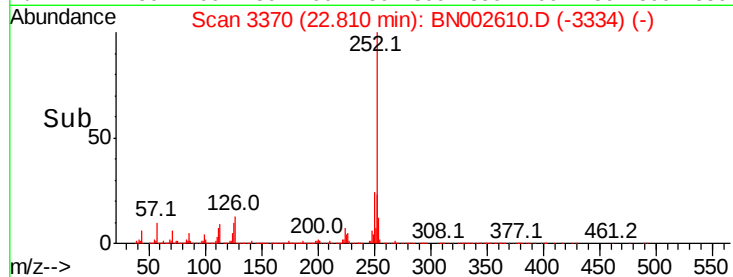
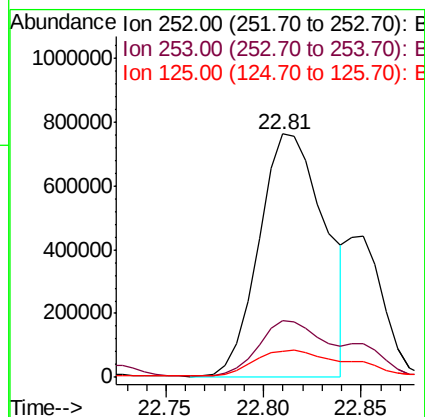
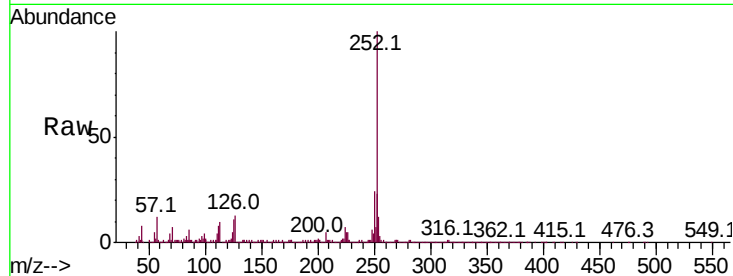
ClientSampled :

A3Z16

Tot Ion:	252	Resp:	1779978
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.7	8.5	12.7

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#88

Benzo(k)fluoranthene

Concen: 13.302 ng/ul m

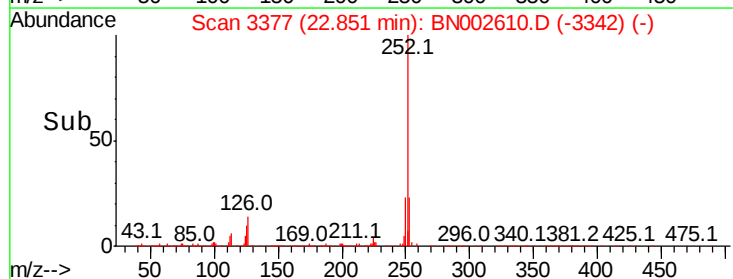
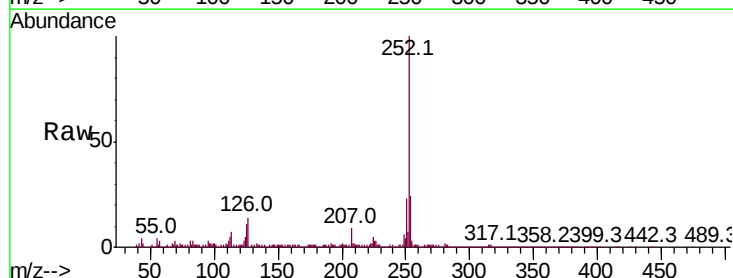
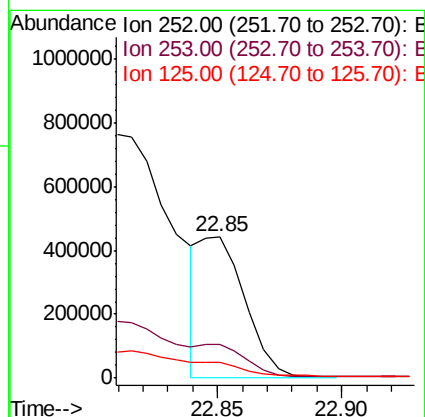
RT: 22.85 min Scan# 3377

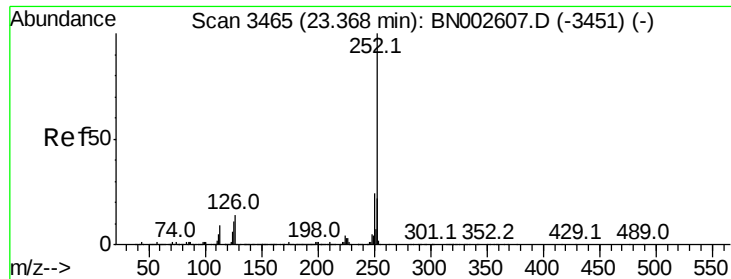
Delta R.T. 0.01 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Tgt Ion:	252	Resp:	549084
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	10.9	8.2	12.2





#90

Benzo(a)pyrene

Concen: 22.611 ng/ul

RT: 23.37 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Instrument :

BNA_N

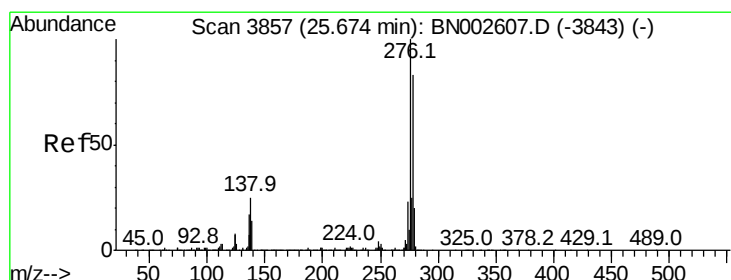
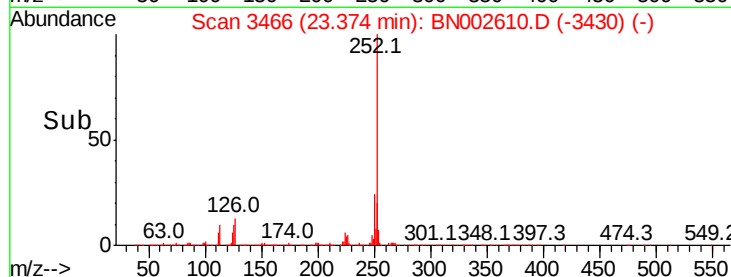
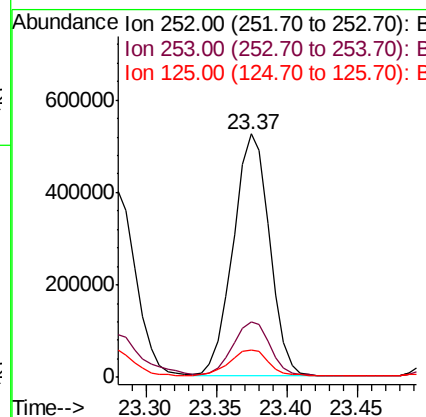
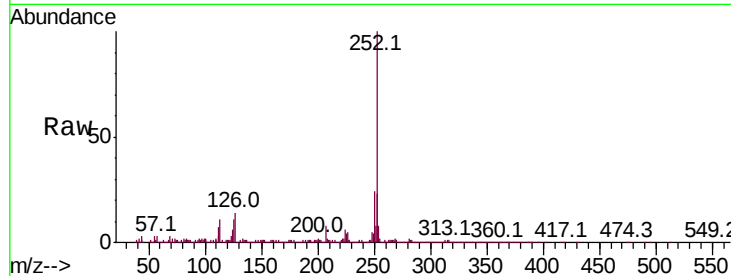
ClientSampleId :

A3Z16

Tot Ion:	252	Resp:	943738
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.2	25.8
125	11.2	9.0	13.6

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#91

Indeno(1,2,3-cd)pyrene

Concen: 13.581 ng/ul

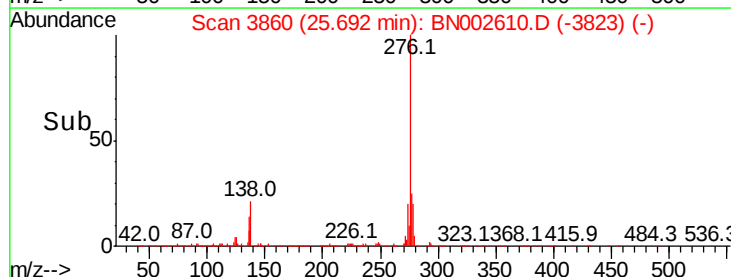
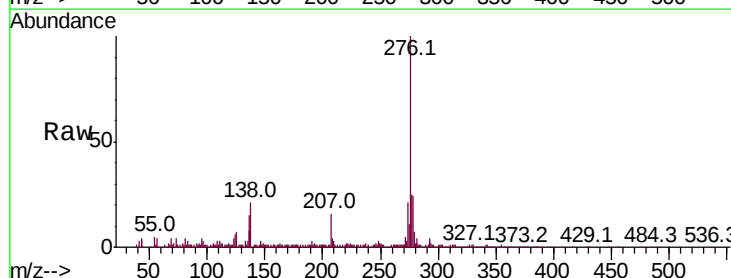
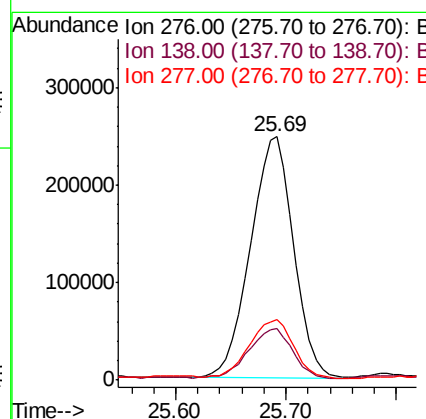
RT: 25.69 min Scan# 3860

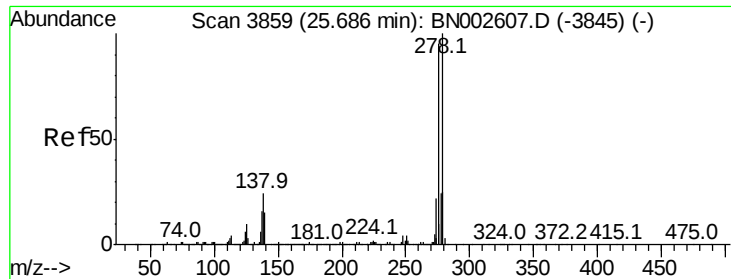
Delta R.T. 0.02 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Tgt Ion:	276	Resp:	674359
Ion Ratio	Lower	Upper	
276	100		
138	21.0	22.3	33.5#
277	24.7	20.2	30.2





#92

Dibenzo(a,h)anthracene

Concen: 4.586 ng/ul

RT: 25.69 min Scan# 3859

Delta R.T. 0.01 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Instrument :

BNA_N

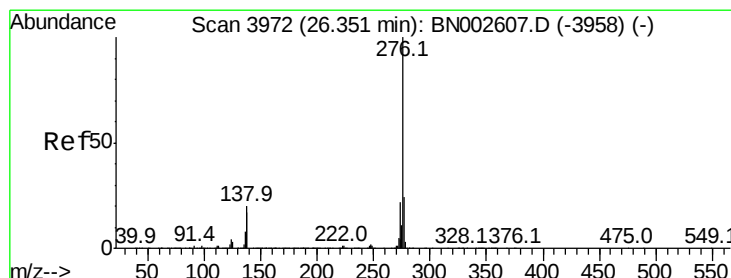
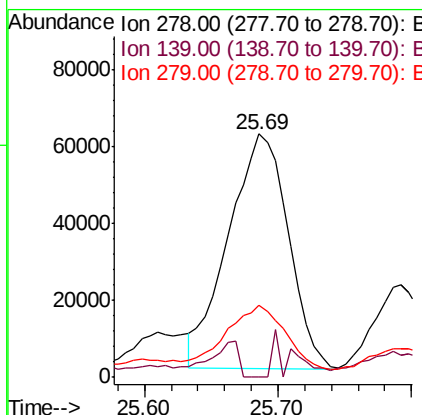
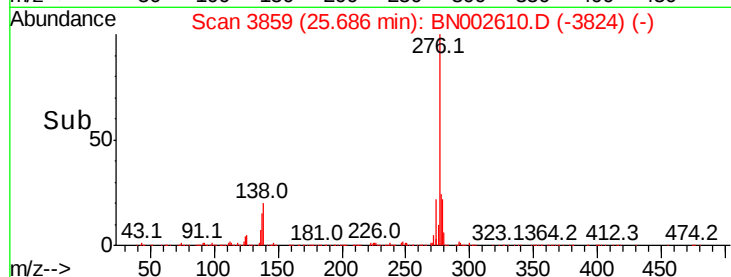
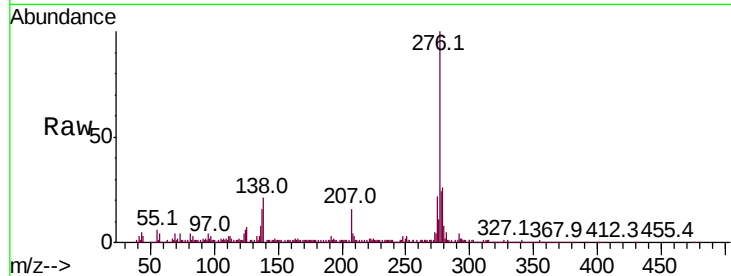
ClientSampleId :

A3Z16

Tot Ion:	278	Resp:	190388
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.9	20.9#
279	29.4	19.0	28.4#

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#93

Benzo(g,h,i)perylene

Concen: 13.813 ng/ul

RT: 26.37 min Scan# 3975

Delta R.T. 0.02 min

Lab File: BN002610.D

Acq: 06 Sep 2018 10:50

Tgt Ion:	276	Resp:	572261
Ion Ratio	Lower	Upper	
276	100		
138	20.7	18.9	28.3
277	24.5	19.2	28.8

