

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002016.D
 Acq On : 11 Jul 2018 18:22
 Operator : JU/SJ
 Sample : J3775-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAZQ3

Manual Integrations
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Sohil
 7/12/2018 3:03:56 PM

Quant Time: Jul 12 02:17:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 11 22:41:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	483930	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	2188101	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	1277508	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.09	188	2801982	20.00	ng/ul	0.01
75) Chrysene-d12	21.30	240	2211324	20.00	ng/ul	0.02
83) Perylene-d12	23.56	264	1987558	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	48541m	4.36	ng/uL	0.00
5) Phenol-d5	6.89	99	1226035	28.00	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.05	67	737265	27.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	975991	28.11	ng/ul	0.01
13) 4-Methylphenol-d8	8.42	113	940037	26.79	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	499890	30.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	571647	33.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	1027143	28.61	ng/ul	0.01
29) 4-Chloroaniline-d4	10.63	131	520155	13.99	ng/ul	0.01
43) Dimethylphthalate-d6	13.76	166	3078265	28.53	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	3961637	29.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	535278	26.93	ng/ul	0.01
57) Fluorene-d10	15.34	176	2806471	29.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	296228	19.41	ng/ul	0.01
70) Anthracene-d10	17.19	188	4228518	31.23	ng/ul	0.01
76) Pyrene-d10	19.50	212	4299059	38.57	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.42	264	3342333	30.92	ng/ul	0.04

Target Compounds

					Ovalue
6) Phenol	6.92	94	88647	2.007	ng/ul 96
14) Acetophenone	8.53	105	86397	1.604	ng/ul 98
28) Naphthalene	10.54	128	333294	2.871	ng/ul 98
34) 2-Methylnaphthalene	12.15	142	179749	2.134	ng/ul 99
44) Dimethylphthalate	13.80	163	943177	8.895	ng/ul 98
47) Acenaphthylene	14.06	152	396341	3.083	ng/ul 100
49) Acenaphthene	14.40	153	413910	4.641	ng/ul 97
53) Dibenzofuran	14.74	168	534056	4.174	ng/ul 96
58) Fluorene	15.39	166	589702	5.778	ng/ul 98
68) Pentachlorophenol	16.75	266	97347	5.135	ng/ul 97
69) Phenanthrene	17.14	178	8321053	52.718	ng/ul 98
71) Anthracene	17.23	178	1886591	11.808	ng/ul 98
72) Carbazole	17.50	167	1138364	8.506	ng/ul 99
73) Di-n-butylphthalate	18.07	149	3455521	20.447	ng/ul 99
74) Fluoranthene	19.16	202	11765973	70.916	ng/ul# 85
77) Pyrene	19.53	202	10212202	73.797	ng/ul# 83
78) Butylbenzylphthalate	20.44	149	834590	14.133	ng/ul 90
80) Benzo(a)anthracene	21.29	228	5498290	39.342	ng/ul 96
81) Bis(2-ethylhexyl)phthalate	21.23	149	1317568	14.963	ng/ul 100
82) Chrysene	21.34	228	5525421	42.492	ng/ul 97
85) Benzo(b)fluoranthene	22.89	252	6281014	50.035	ng/ul# 92
86) Benzo(k)fluoranthene	22.92	252	2470364m	20.294	ng/ul
88) Benzo(a)pyrene	23.46	252	4090958	34.873	ng/ul# 92

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.81	276	3035829	24.321	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.81	278	840889	8.094	ng/ul#	82
91) Benzo(g,h,i)perylene	26.50	276	2663018	25.862	ng/ul#	92

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

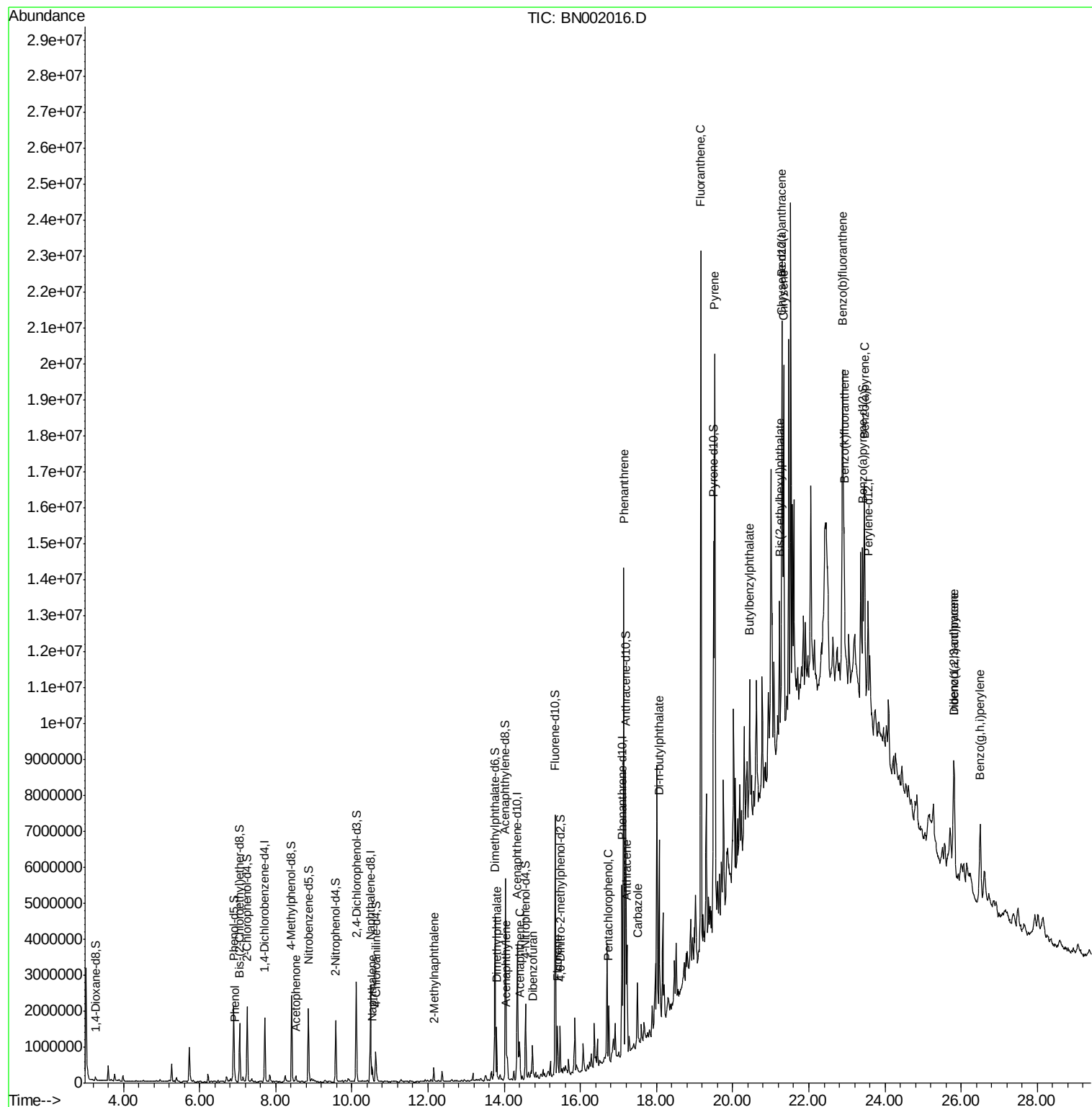
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
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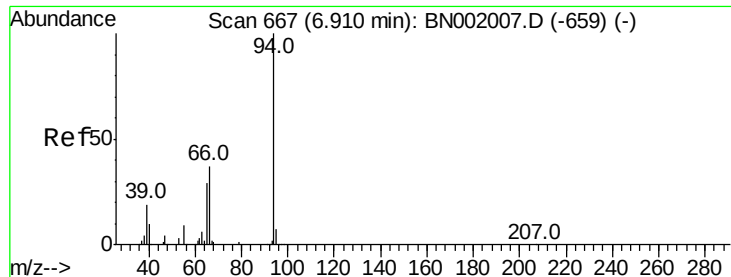
Instrument :
 BNA_N
 ClientSampleId :
 DAZQ3

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#6

Phenol

Concen: 2.007 ng/ul

RT: 6.92 min Scan# 669

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampleId :

DAZQ3

Tot Ion: 94 Resp: 88647

Ion Ratio Lower Upper

94 100

65 31.5 23.0 34.6

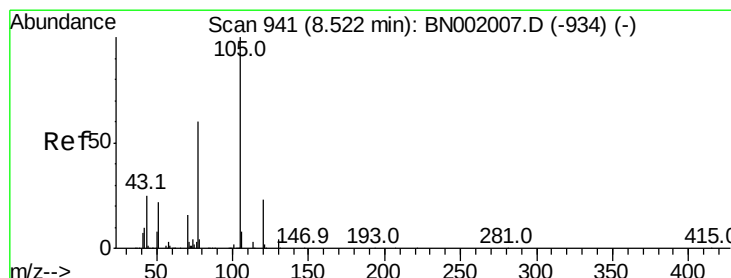
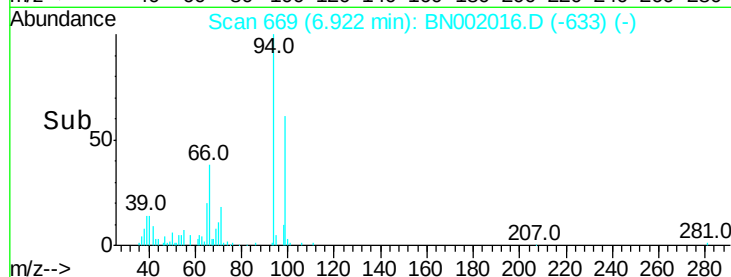
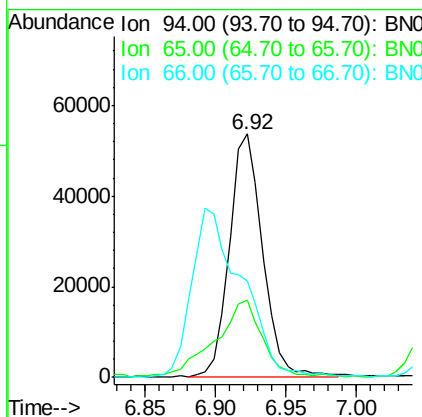
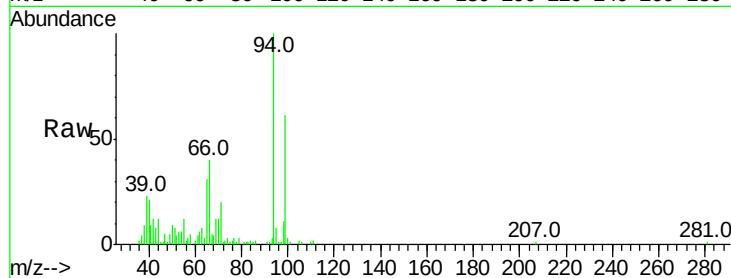
66 39.6 30.4 45.6

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#14

Acetophenone

Concen: 1.604 ng/ul

RT: 8.53 min Scan# 942

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

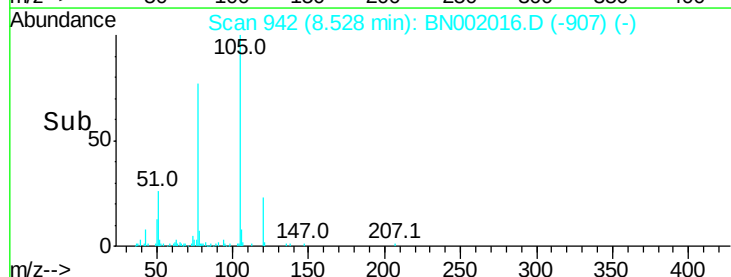
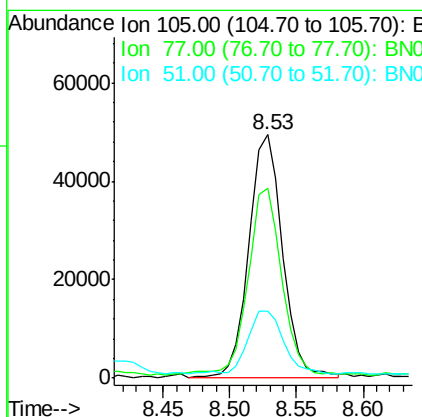
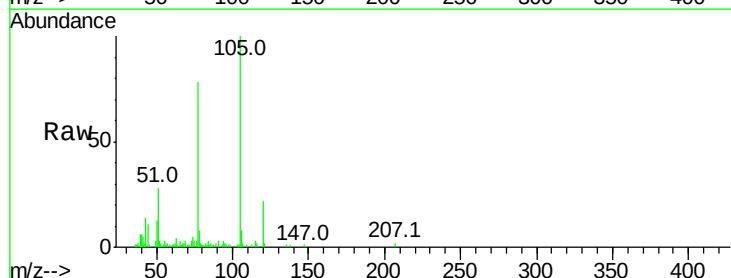
Tgt Ion: 105 Resp: 86397

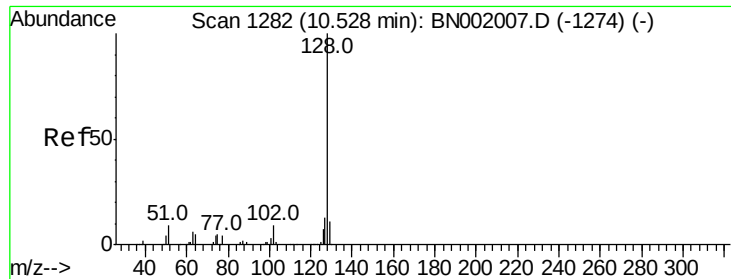
Ion Ratio Lower Upper

105 100

77 77.7 63.2 94.8

51 27.7 19.8 29.8





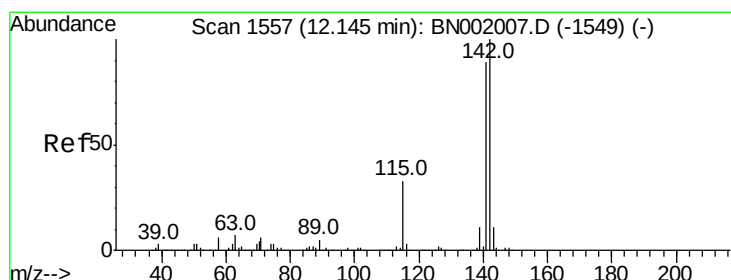
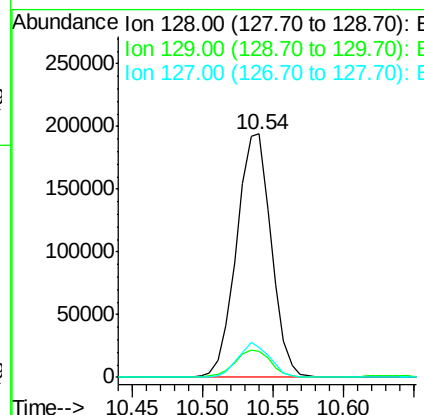
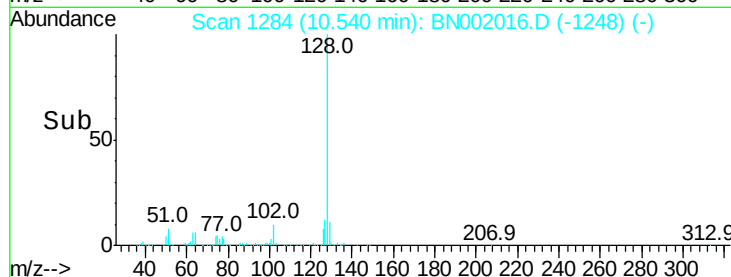
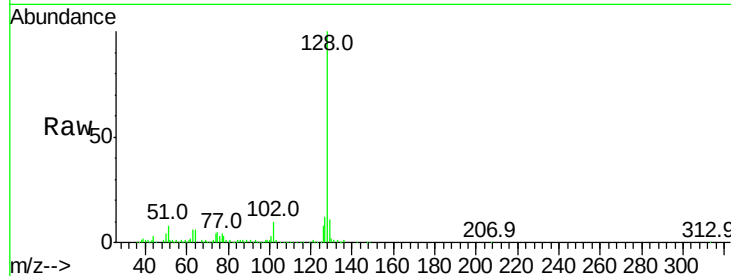
#28
Naphthalene
Concen: 2.871 ng/ul
RT: 10.54 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Instrument :
BNA_N
ClientSampled :
DAZQ3

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	12.0	10.8	16.2

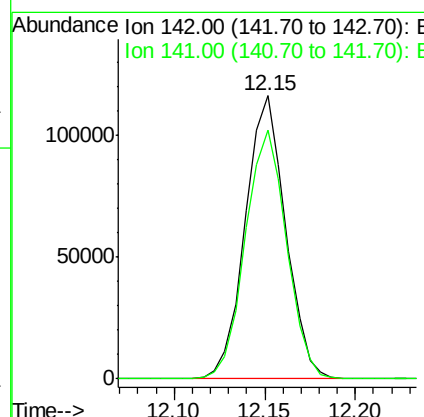
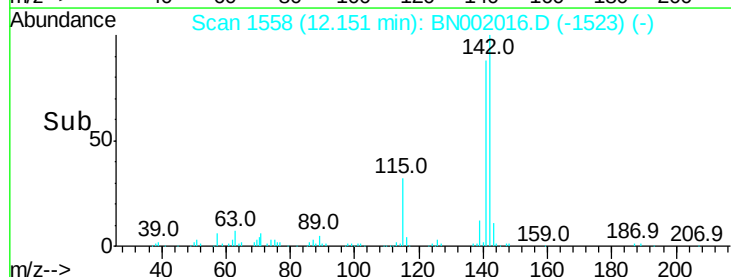
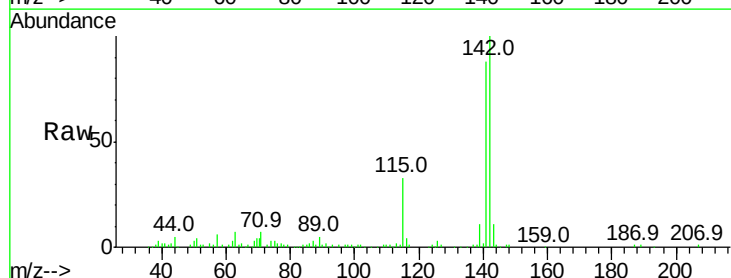
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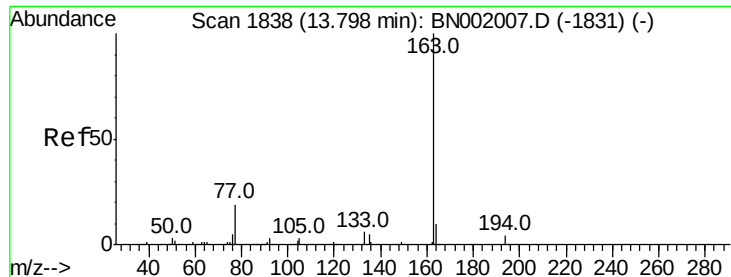
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#34
2-Methylnaphthalene
Concen: 2.134 ng/ul
RT: 12.15 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.4	107.2





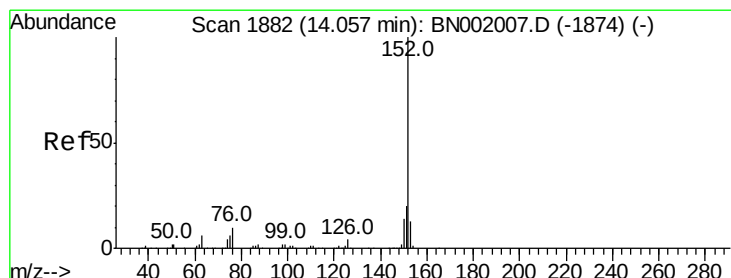
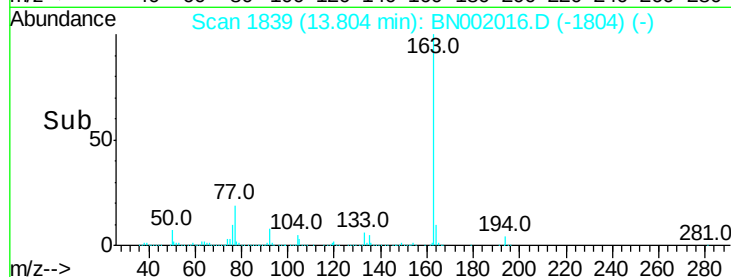
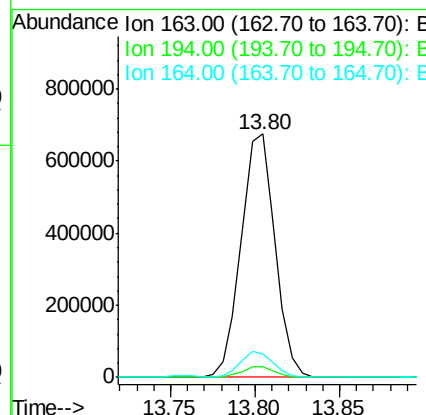
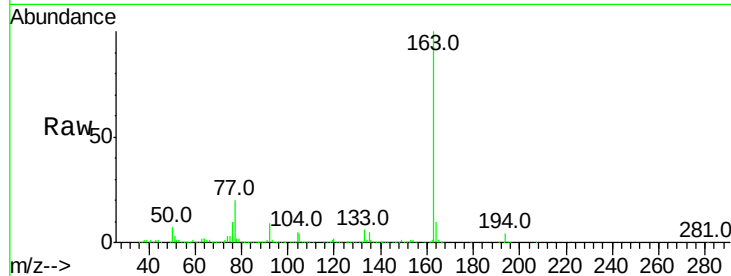
#44
Dimethylphthalate
Concen: 8.895 ng/ul
RT: 13.80 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Instrument :
BNA_N
ClientSampleId :
DAZQ3

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.3	4.0	6.0
164	9.8	8.4	12.6

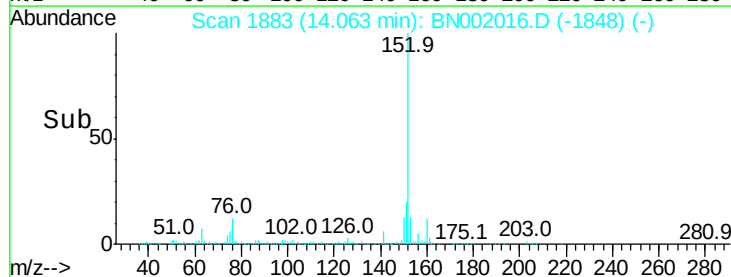
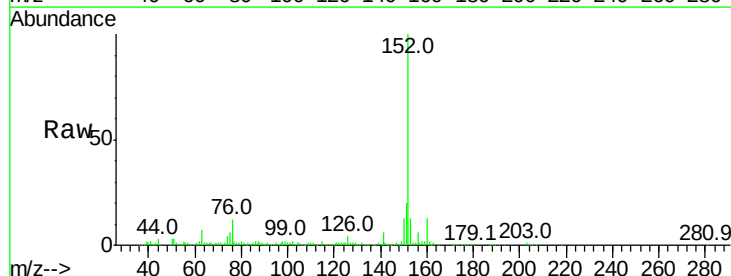
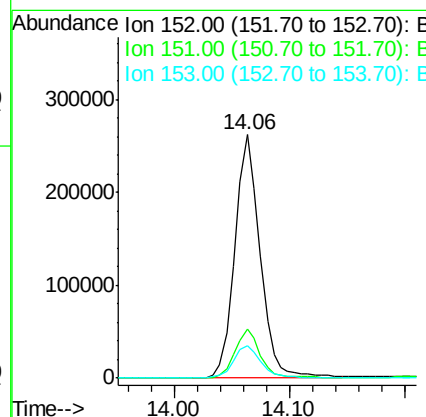
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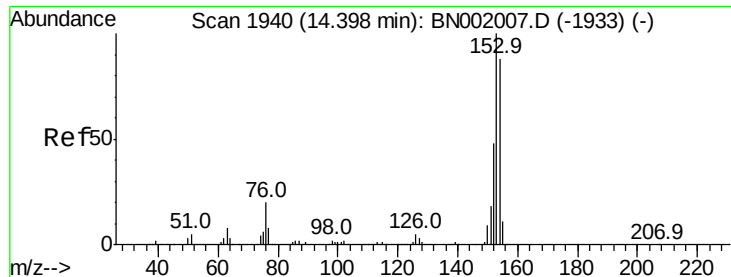
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#47
Acenaphthylene
Concen: 3.083 ng/ul
RT: 14.06 min Scan# 1883
Delta R.T. 0.01 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.2	16.1	24.1
153	13.1	10.8	16.2





#49

Acenaphthene

Concen: 4.641 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

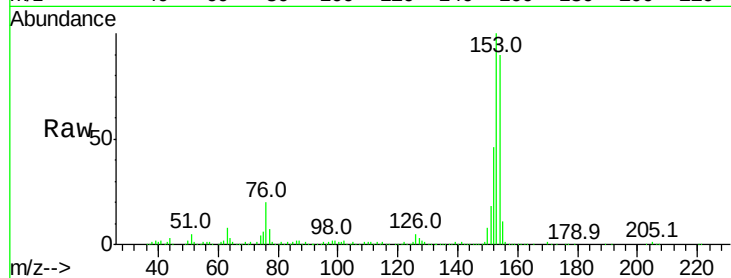
ClientSampleId :

DAZQ3

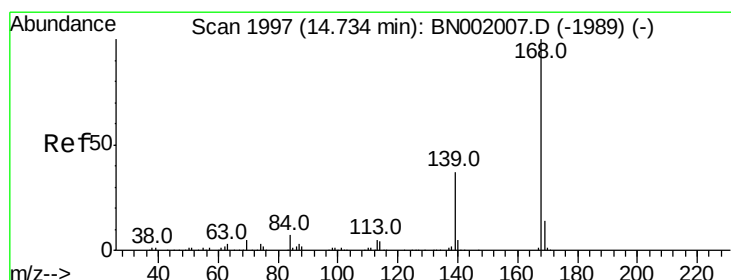
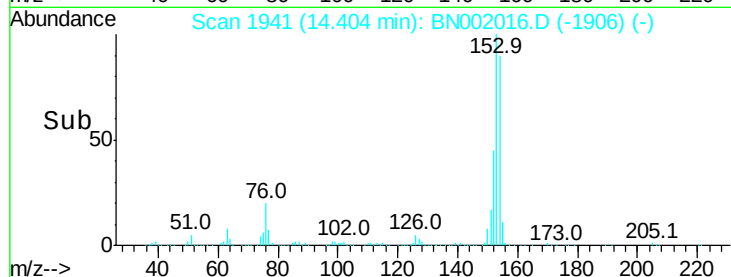
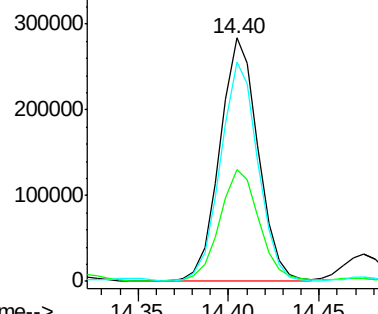
Tot Ion:	153	Resp:	413910
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.9	56.9
154	90.0	69.8	104.6

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



#53

Dibenzofuran

Concen: 4.174 ng/ul

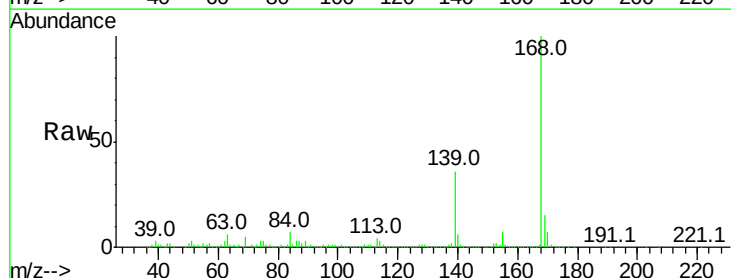
RT: 14.74 min Scan# 1998

Delta R.T. 0.01 min

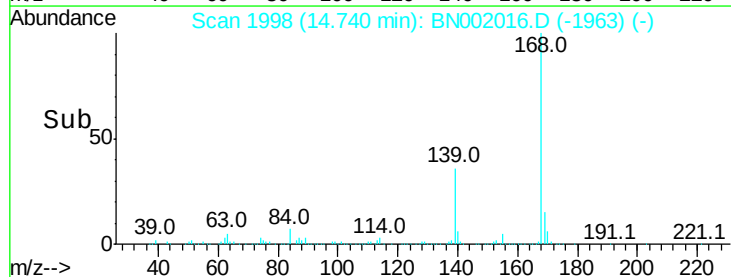
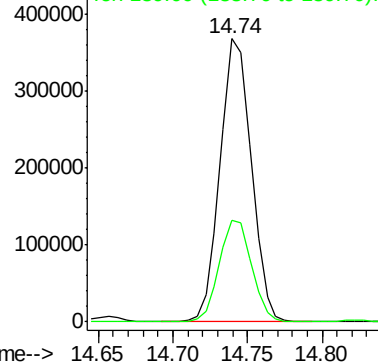
Lab File: BN002016.D

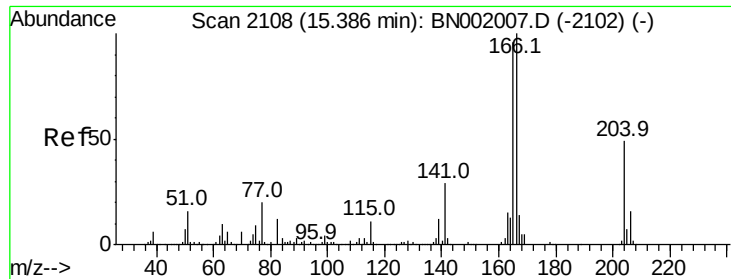
Acq: 11 Jul 2018 18:22

Tgt Ion:	168	Resp:	534056
Ion Ratio	Lower	Upper	
168	100		
139	36.0	31.0	46.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





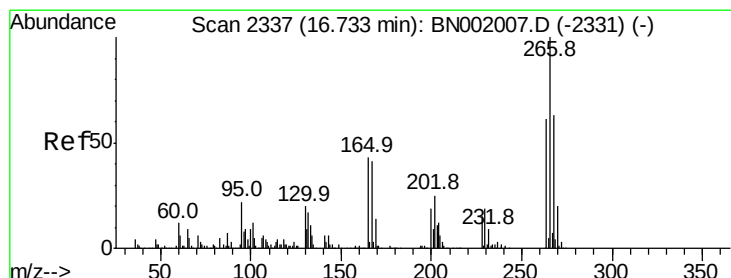
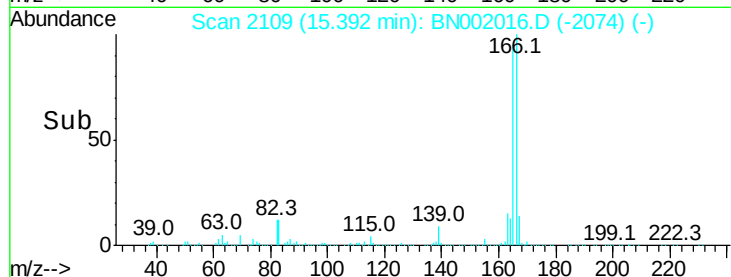
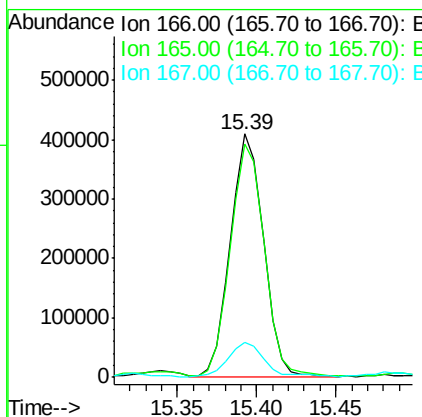
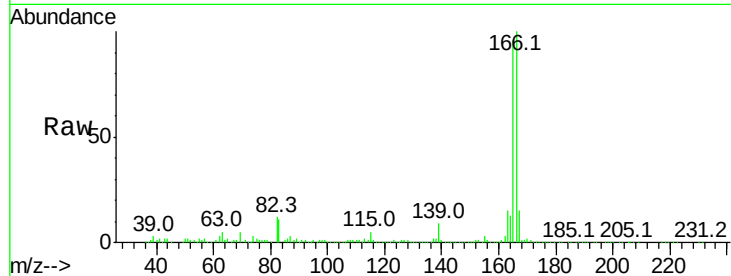
#58
Fluorene
Concen: 5.778 ng/ul
RT: 15.39 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
166	100	589702		
165	95.8		78.4	117.6
167	14.6		11.1	16.7

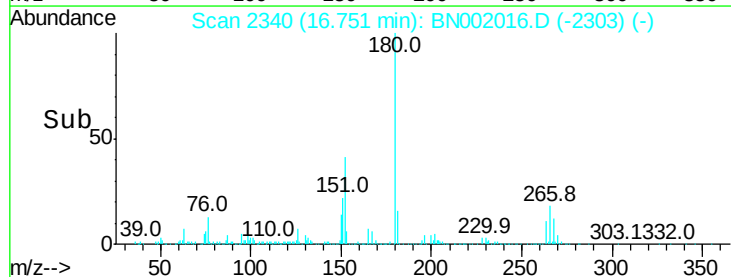
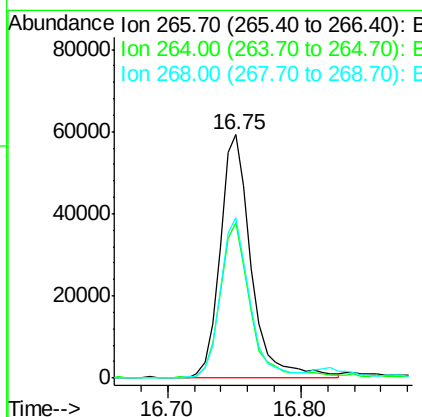
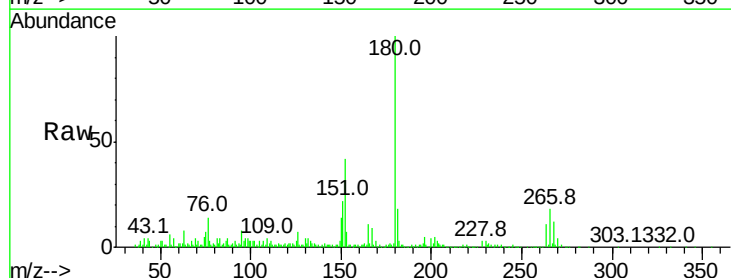
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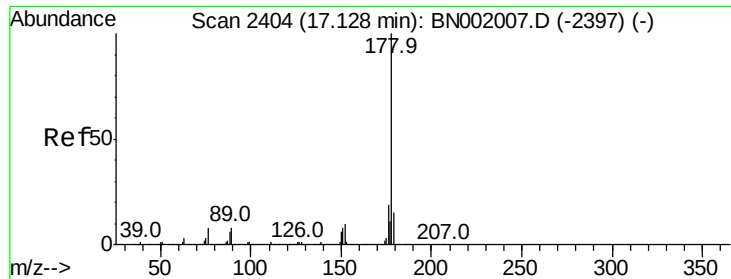
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#68
Pentachlorophenol
Concen: 5.135 ng/ul
RT: 16.75 min Scan# 2340
Delta R.T. 0.02 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	97347		
264	64.0		48.2	72.4
268	65.8		52.3	78.5





#69

Phenanthrene

Concen: 52.718 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampled :

DAZQ3

Tot Ion:178 Resp: 8321053

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

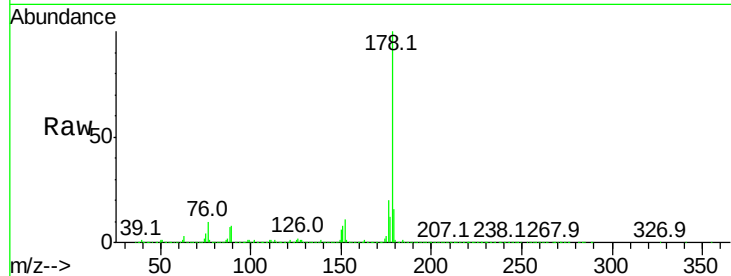
176 20.1 15.4 23.0

Manual Integrations

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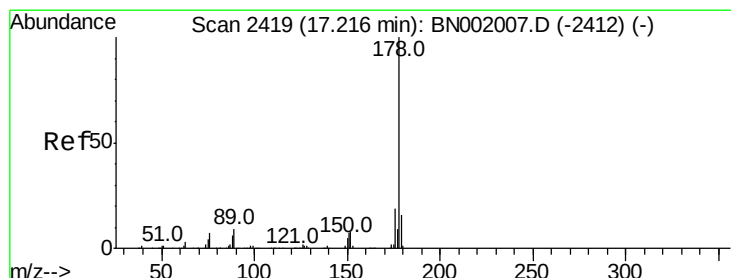
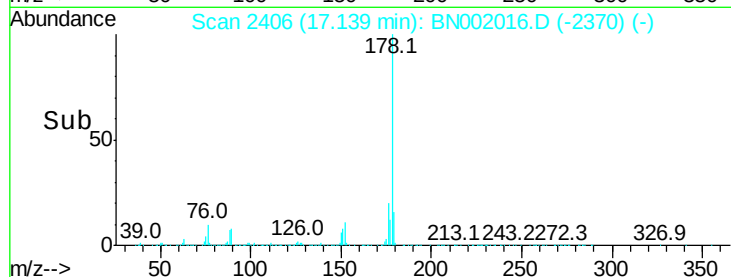
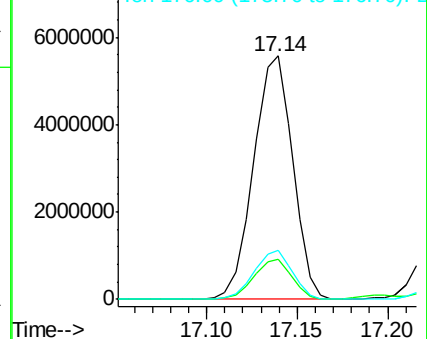
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 11.808 ng/ul

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

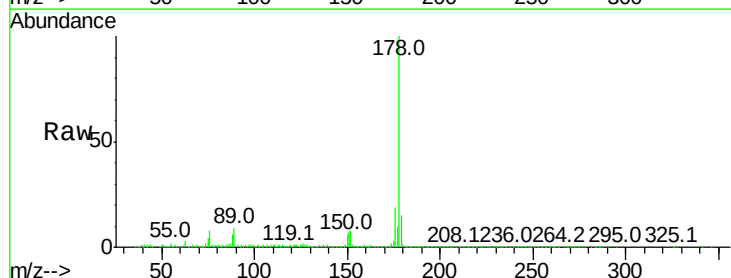
Tgt Ion:178 Resp: 1886591

Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.2

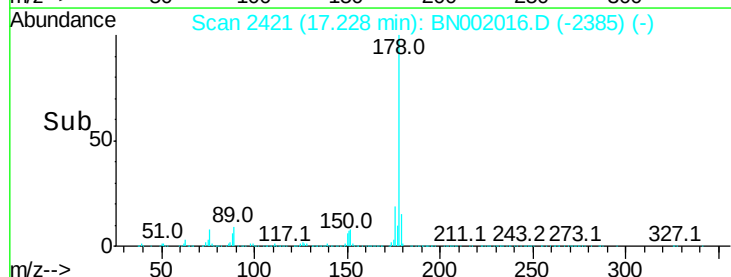
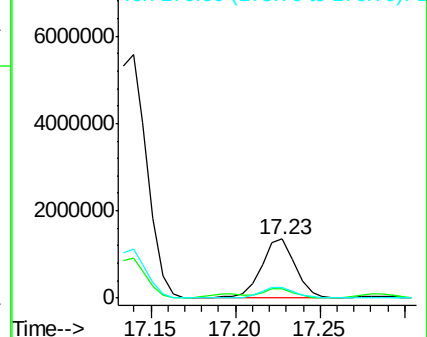
176 19.1 15.4 23.0

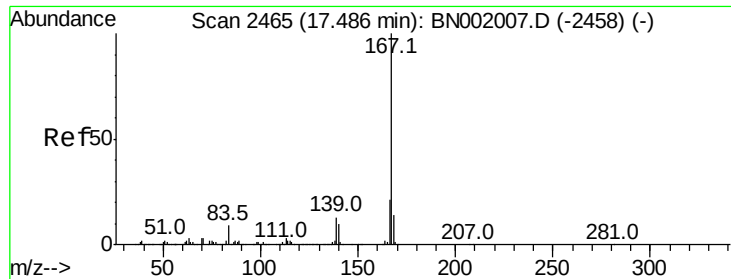


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





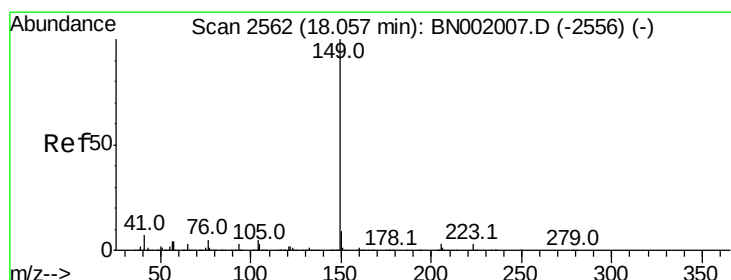
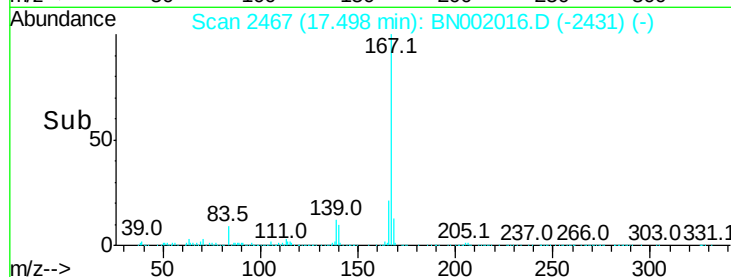
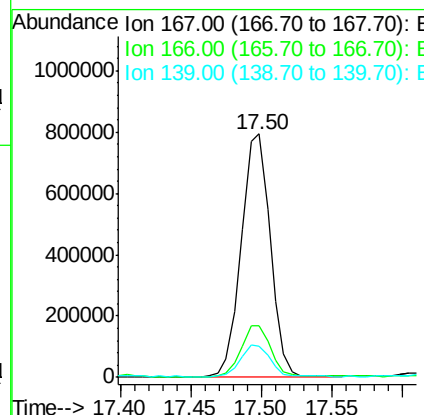
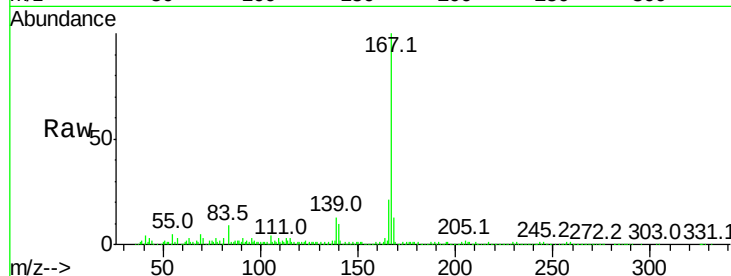
#72
 Carbazole
 Concen: 8.506 ng/ul
 RT: 17.50 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Instrument :
 BNA_N
 ClientSampled :
 DAZQ3

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.6	9.1	13.7

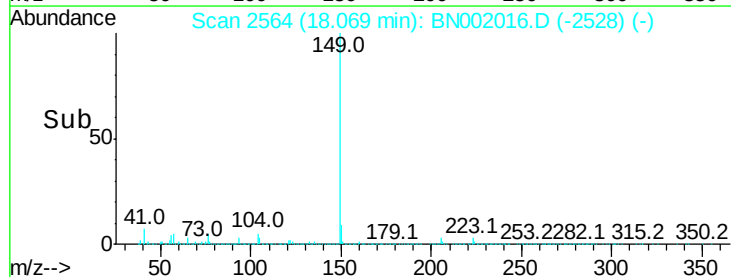
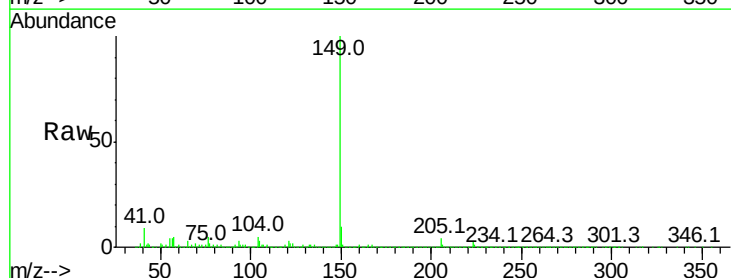
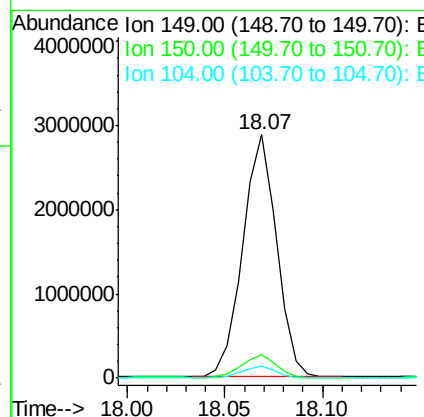
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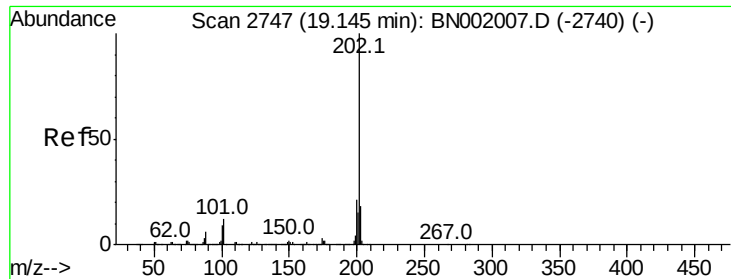
Sohil
 7/12/2018 3:03:56 PM



#73
 Di-n-butylphthalate
 Concen: 20.447 ng/ul
 RT: 18.07 min Scan# 2564
 Delta R.T. 0.01 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.8	4.1	6.1





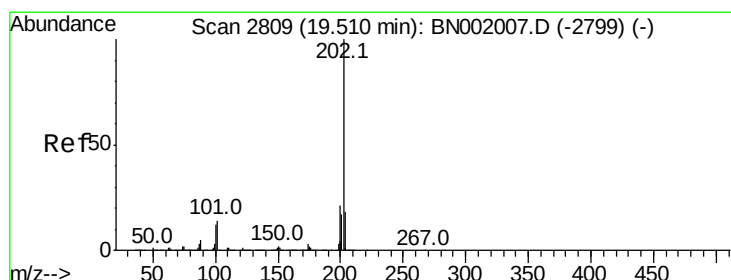
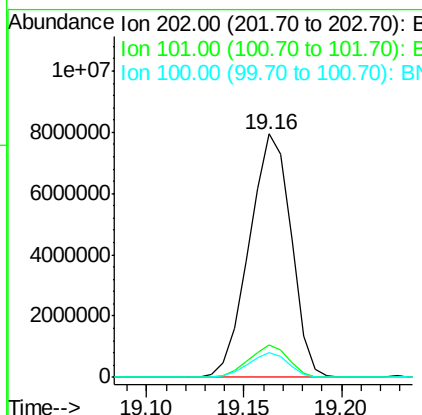
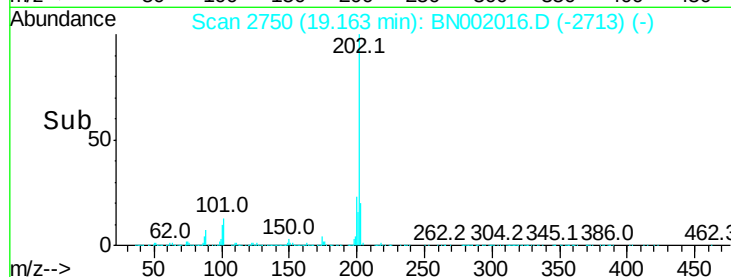
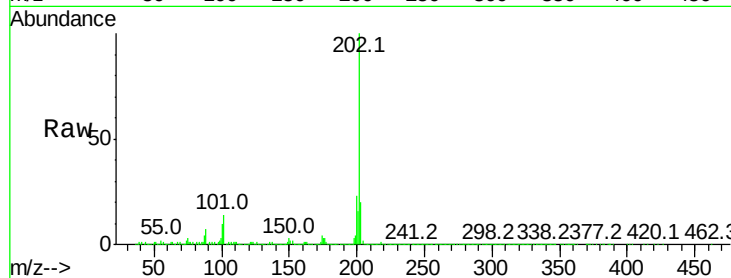
#74
Fluoranthene
Concen: 70.916 ng/ul
RT: 19.16 min Scan# 2750
Delta R.T. 0.02 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Instrument :
BNA_N
ClientSampleId :
DAZQ3

Tot Ion:202 Resp:11765973
Ion Ratio Lower Upper
202 100
101 13.5 6.1 9.1#
100 10.1 4.6 7.0#

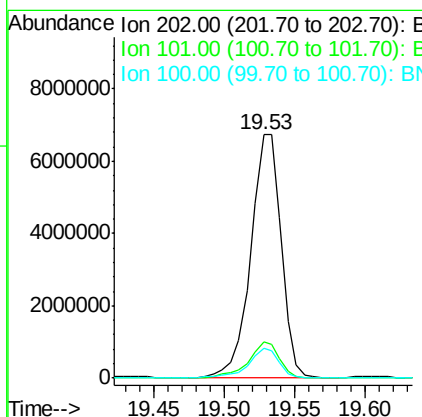
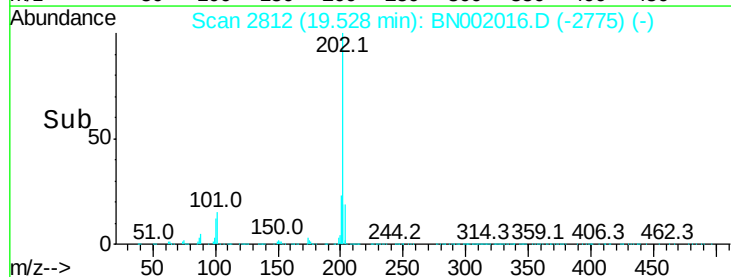
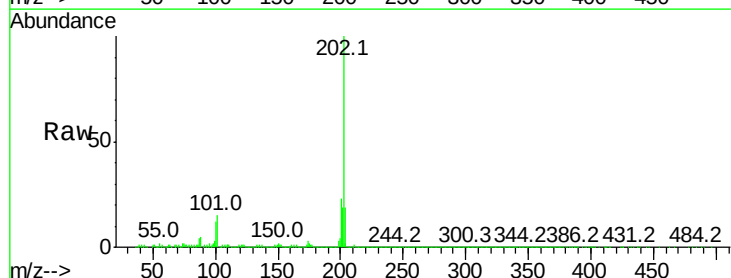
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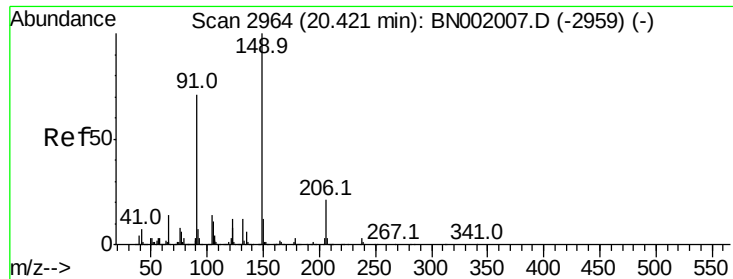
Sohil
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#77
Pyrene
Concen: 73.797 ng/ul
RT: 19.53 min Scan# 2812
Delta R.T. 0.02 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Tgt Ion:202 Resp:10212202
Ion Ratio Lower Upper
202 100
101 15.1 6.9 10.3#
100 12.1 5.6 8.4#





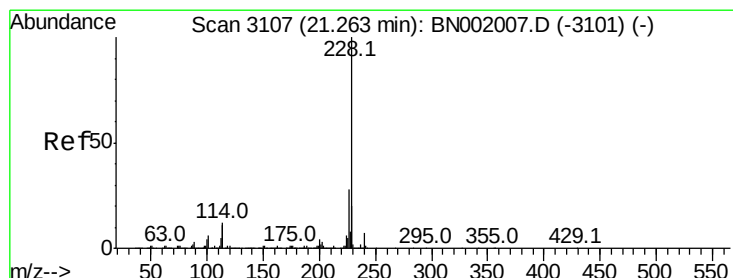
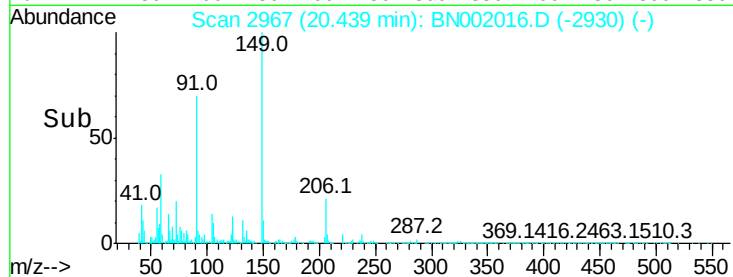
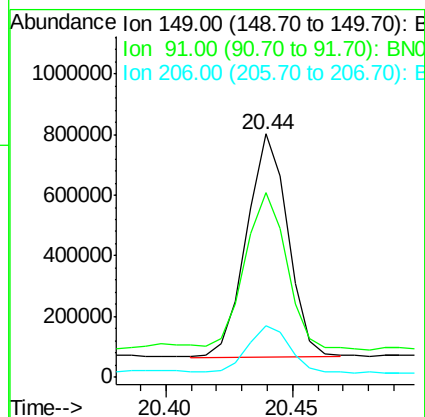
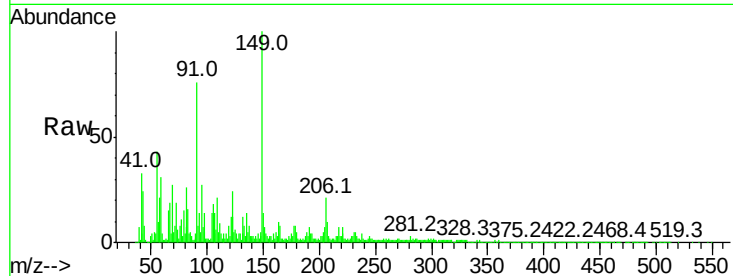
#78
Butylbenzylphthalate
Concen: 14.133 ng/ul
RT: 20.44 min Scan# 2967
Delta R.T. 0.02 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Instrument :
BNA_N
ClientSampled :
DAZQ3

Tot Ion	Ratio	Lower	Upper
149	100		
91	76.0	53.4	80.0
206	21.3	19.3	28.9

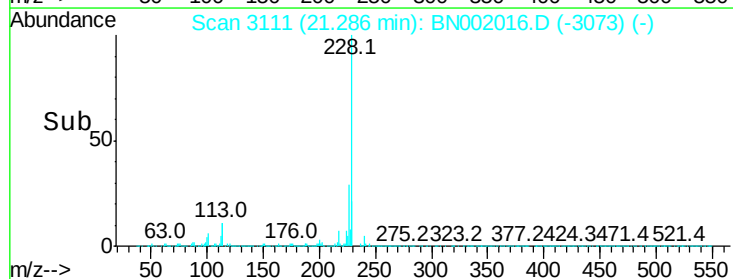
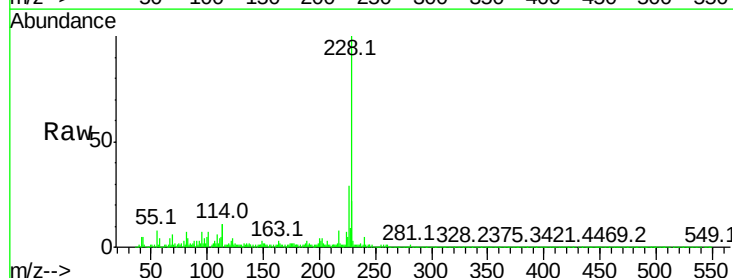
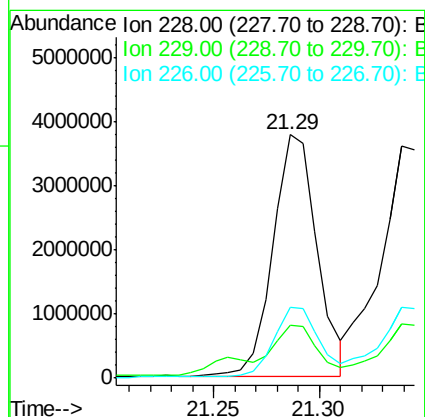
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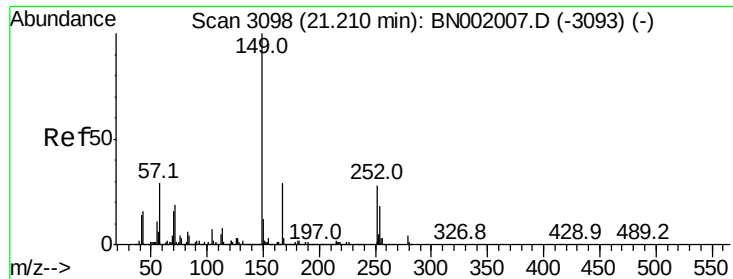
Sohil
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#80
Benzo(a)anthracene
Concen: 39.342 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. 0.02 min
Lab File: BN002016.D
Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	16.0	24.0
226	28.9	21.8	32.8





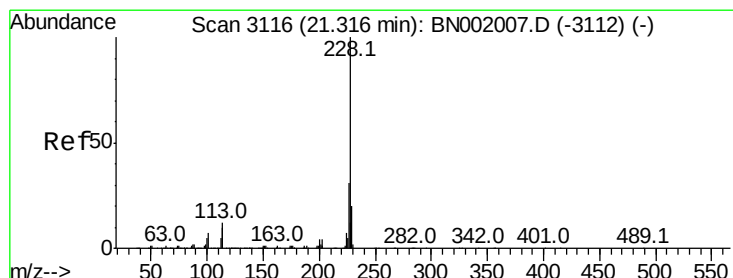
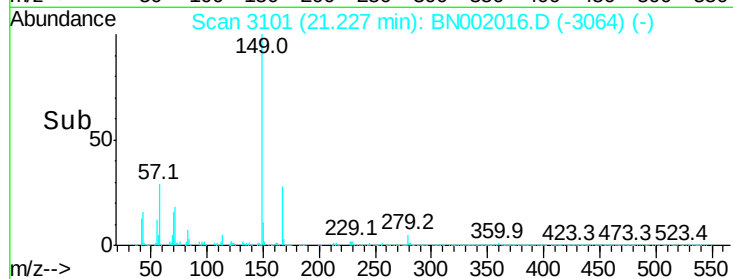
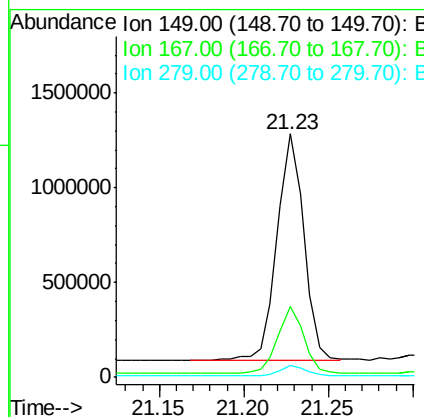
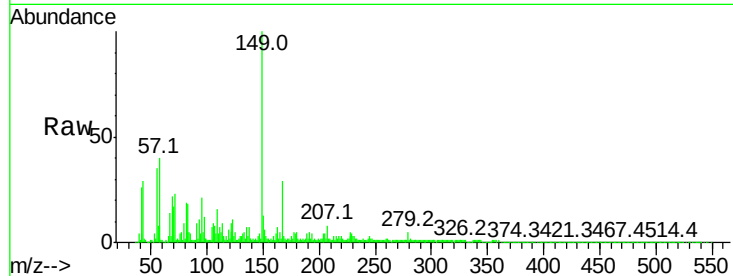
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 14.963 ng/ul
 RT: 21.23 min Scan# 3101
 Delta R.T. 0.02 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Instrument :
 BNA_N
 ClientSampleId :
 DAZQ3

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.0	34.6
279	4.9	4.3	6.5

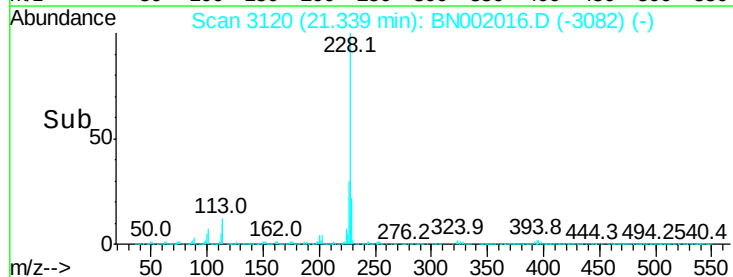
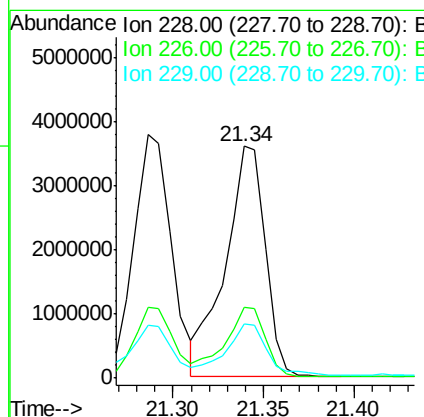
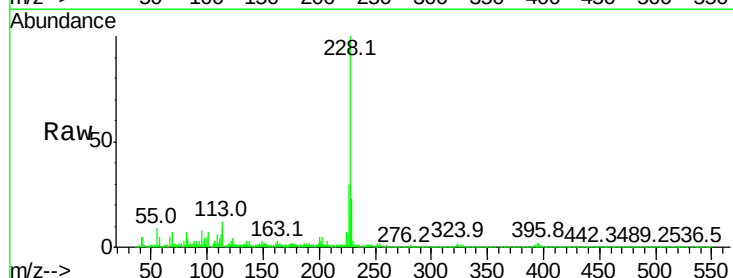
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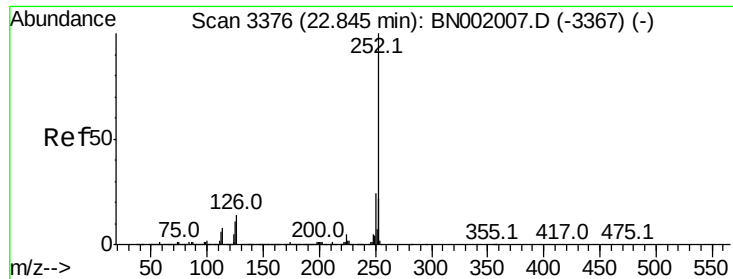
Sohil
 7/12/2018 3:03:56 PM



#82
 Chrysene
 Concen: 42.492 ng/ul
 RT: 21.34 min Scan# 3120
 Delta R.T. 0.02 min
 Lab File: BN002016.D
 Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	23.3	16.0	24.0





#85

Benzo(b)fluoranthene

Concen: 50.035 ng/ul

RT: 22.89 min Scan# 3383

Delta R.T. 0.04 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

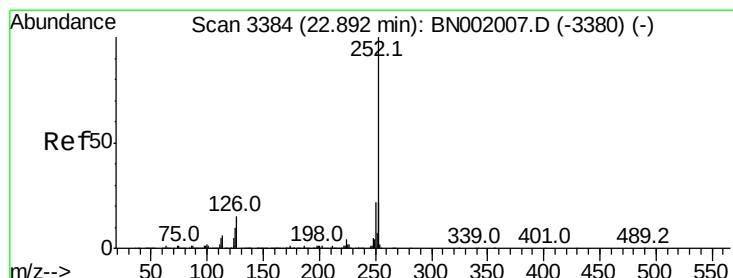
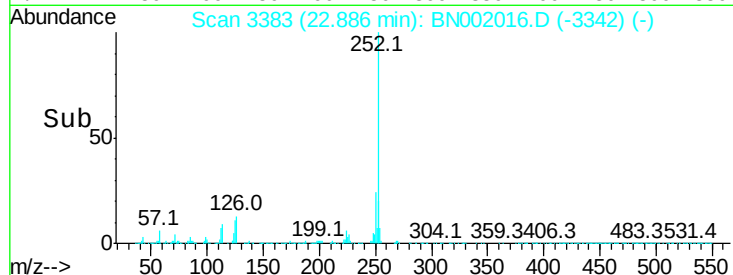
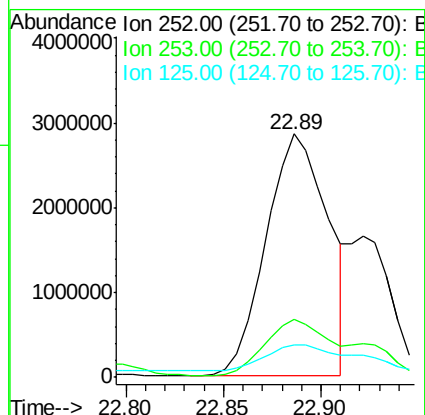
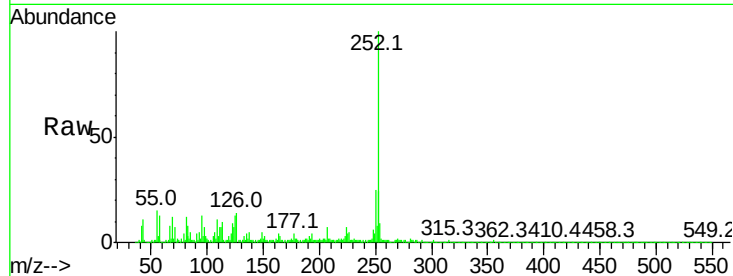
ClientSampleId :

DAZQ3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	13.4	4.9	7.3

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 20.294 ng/ul m

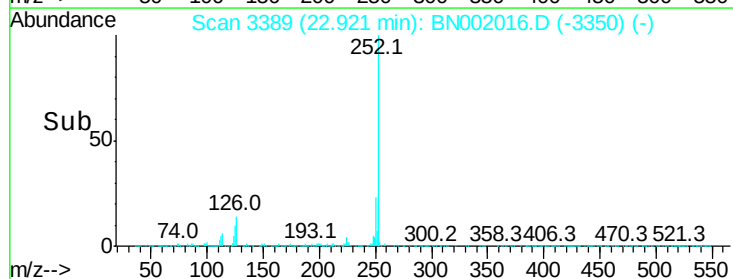
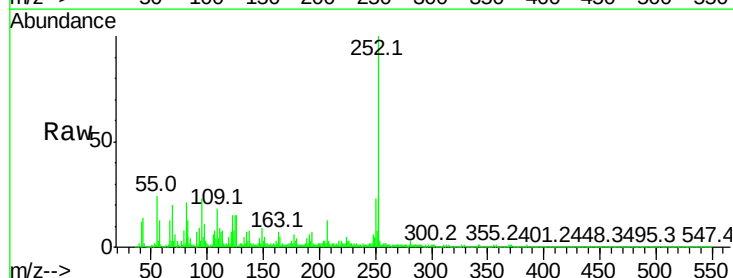
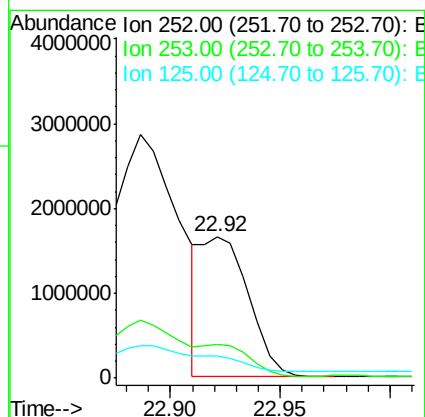
RT: 22.92 min Scan# 3389

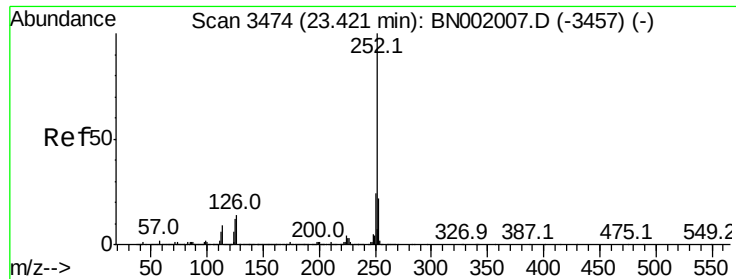
Delta R.T. 0.03 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	15.3	5.4	8.0





#88

Benzo(a)pyrene

Concen: 34.873 ng/ul

RT: 23.46 min Scan# 3480

Delta R.T. 0.04 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

ClientSampled :

DAZQ3

Tot Ion:252 Resp: 4090958

Ion Ratio Lower Upper

252 100

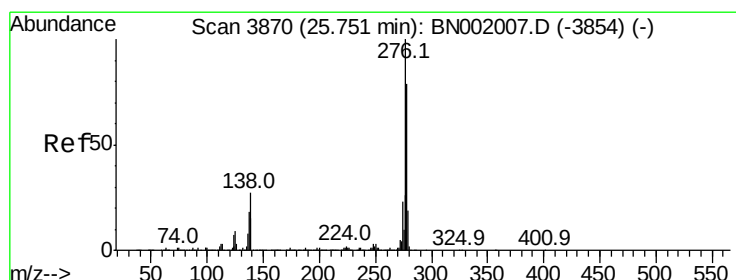
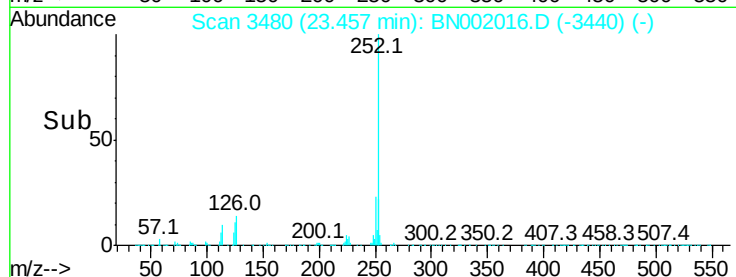
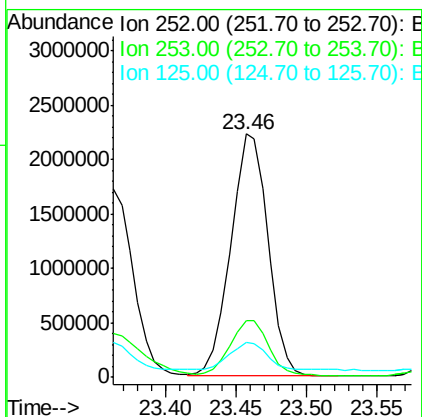
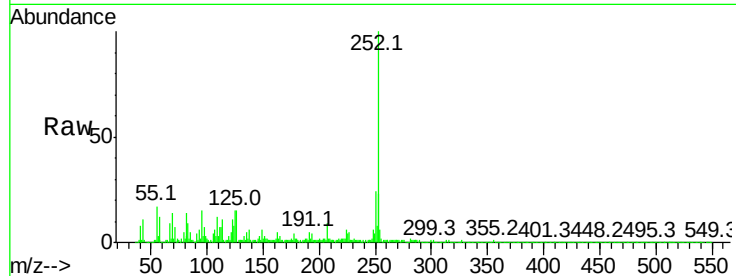
253 23.4 17.2 25.8

125 14.6 5.8 8.6#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 24.321 ng/ul

RT: 25.81 min Scan# 3880

Delta R.T. 0.06 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

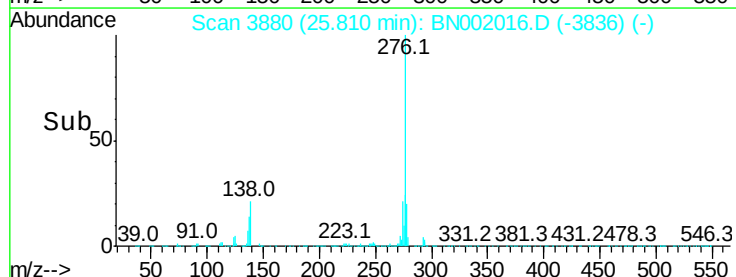
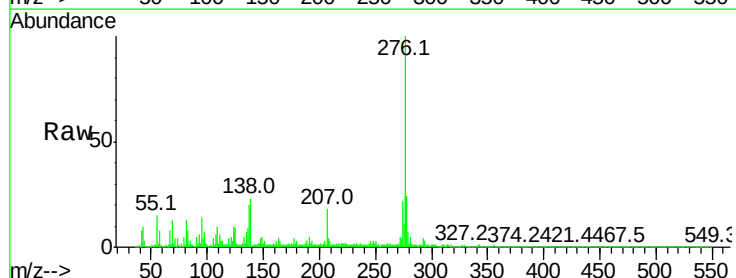
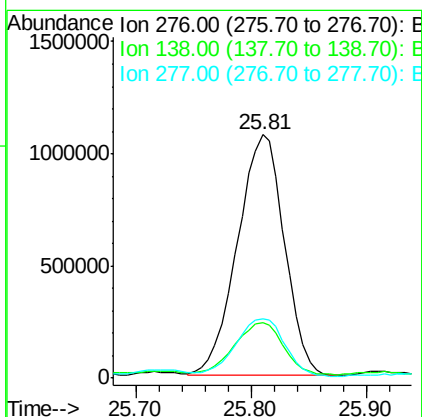
Tgt Ion:276 Resp: 3035829

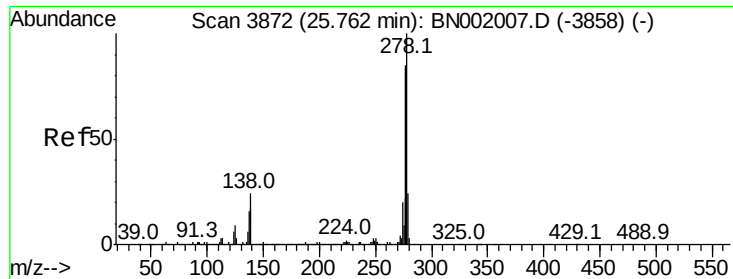
Ion Ratio Lower Upper

276 100

138 22.7 10.9 16.3#

277 24.5 18.9 28.3





#90

Dibenzo(a,h)anthracene

Concen: 8.094 ng/ul

RT: 25.81 min Scan# 3880

Delta R.T. 0.05 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Instrument :

BNA_N

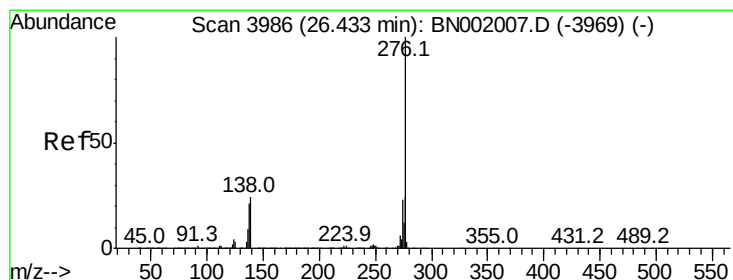
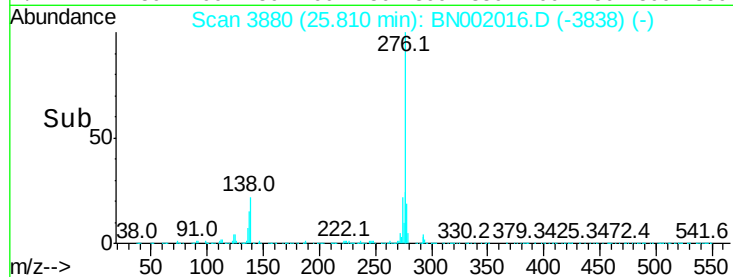
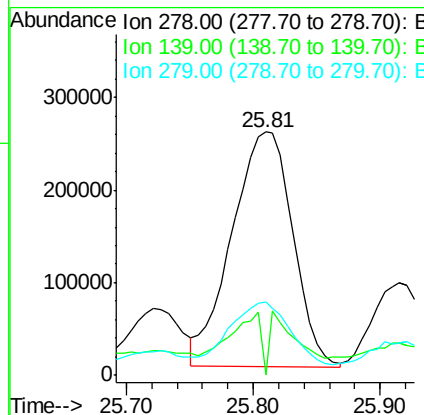
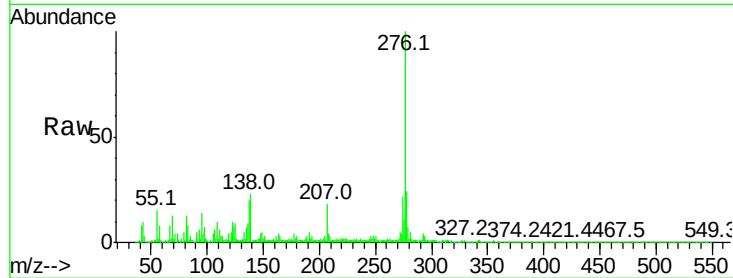
ClientSampleId :

DAZQ3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	30.3	19.1	28.7#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 25.862 ng/ul

RT: 26.50 min Scan# 3997

Delta R.T. 0.06 min

Lab File: BN002016.D

Acq: 11 Jul 2018 18:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	11.2	16.8#
277	23.9	19.0	28.6

