

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000520.D
 Acq On : 21 Mar 2018 15:18
 Operator : JU/SJ
 Sample : J1905-04MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 DAM40MS

Manual Integrations
 APPROVED

Sohil
 3/22/2018 6:49:16 PM

Quant Time: Mar 23 11:56:34 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	196753	20.00	ng/ul	0.02
18) Naphthalene-d8	11.28	136	682955	20.00	ng/ul	0.02
35) Acenaphthene-d10	15.06	164	385014	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.82	188	747219m	20.00	ng/ul	0.07
75) Chrysene-d12	21.90	240	627301	20.00	ng/ul	0.02
83) Perylene-d12	24.39	264	613160	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	16391	2.98	ng/uL	0.00
5) Phenol-d5	7.57	99	22459	1.22	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.73	67	71546	6.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.96	132	7493	0.54	ng/ul	0.02
13) 4-Methylphenol-d8	9.21	113	22586m	1.58	ng/ul	0.09
19) Nitrobenzene-d5	9.63	128	32586	5.87	ng/ul	0.04
22) 2-Nitrophenol-d4	10.38	143	103922	18.09	ng/ul	0.05
26) 2,4-Dichlorophenol-d3	10.90	165	9682	0.94	ng/ul	0.04
29) 4-Chloroaniline-d4	11.38	131	372369	35.22	ng/ul	0.00
43) Dimethylphthalate-d6	14.44	166	23756	0.78	ng/ul	0.02
46) Acenaphthylene-d8	14.75	160	29532	0.74	ng/ul	0.02
51) 4-Nitrophenol-d4	15.26	143	131376	23.26	ng/ul	0.04
57) Fluorene-d10	16.05	176	37884	1.46	ng/ul	0.04
62) 4,6-Dinitro-2-methylphenol	16.19	200	26387m	6.17	ng/ul	0.06
70) Anthracene-d10	17.91	188	19102	0.53	ng/ul	0.05
76) Pyrene-d10	20.14	212	29680	0.86	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.22	264	12422	0.43	ng/ul	0.02
Target Compounds						
6) Phenol	7.61	94	20921	1.117	ng/ul#	1
28) Naphthalene	11.33	128	2010382	56.054	ng/ul	96
33) 4-Chloro-3-methylphenol	12.57	107	63337m	5.389	ng/ul	
34) 2-Methylnaphthalene	12.92	142	3318597	138.594	ng/ul	100
38) 2,4,6-Trichlorophenol	13.52	196	31991	4.077	ng/ul	95
39) 2,4,5-Trichlorophenol	13.60	196	26843	3.281	ng/ul	96
40) 1,1'-Biphenyl	13.89	154	415245	12.669	ng/ul#	91
49) Acenaphthene	15.12	153	232167	8.662	ng/ul#	78
52) 4-Nitrophenol	15.29	109	253171	58.004	ng/ul#	10
54) 2,4-Dinitrotoluene	15.45	165	67167m	7.814	ng/ul	
55) 2,3,4,6-Tetrachlorophenol	15.71	232	3354444	536.949	ng/ul#	77
58) Fluorene	16.11	166	344928	11.923	ng/ul#	80
68) Pentachlorophenol	17.52	266	17158743m	4041.487	ng/ul	
69) Phenanthrene	17.86	178	1236269	28.719	ng/ul#	92
71) Anthracene	17.94	178	95031m	2.153	ng/ul	
74) Fluoranthene	19.81	202	347477	8.123	ng/ul#	75
77) Pyrene	20.17	202	377384	8.237	ng/ul#	74
80) Benzo(a)anthracene	21.88	228	76940	1.841	ng/ul#	81
81) Bis(2-ethylhexyl)phthalate	21.75	149	247485	7.490	ng/ul	95
82) Chrysene	21.94	228	75526	1.928	ng/ul#	80
84) Di-n-octyl phthalate	22.71	149	306296	5.935	ng/ul	100

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
Data File : BN000520.D
Acq On : 21 Mar 2018 15:18
Operator : JU/SJ
Sample : J1905-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DAM40MS

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:16 PM

Quant Time: Mar 23 11:56:34 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

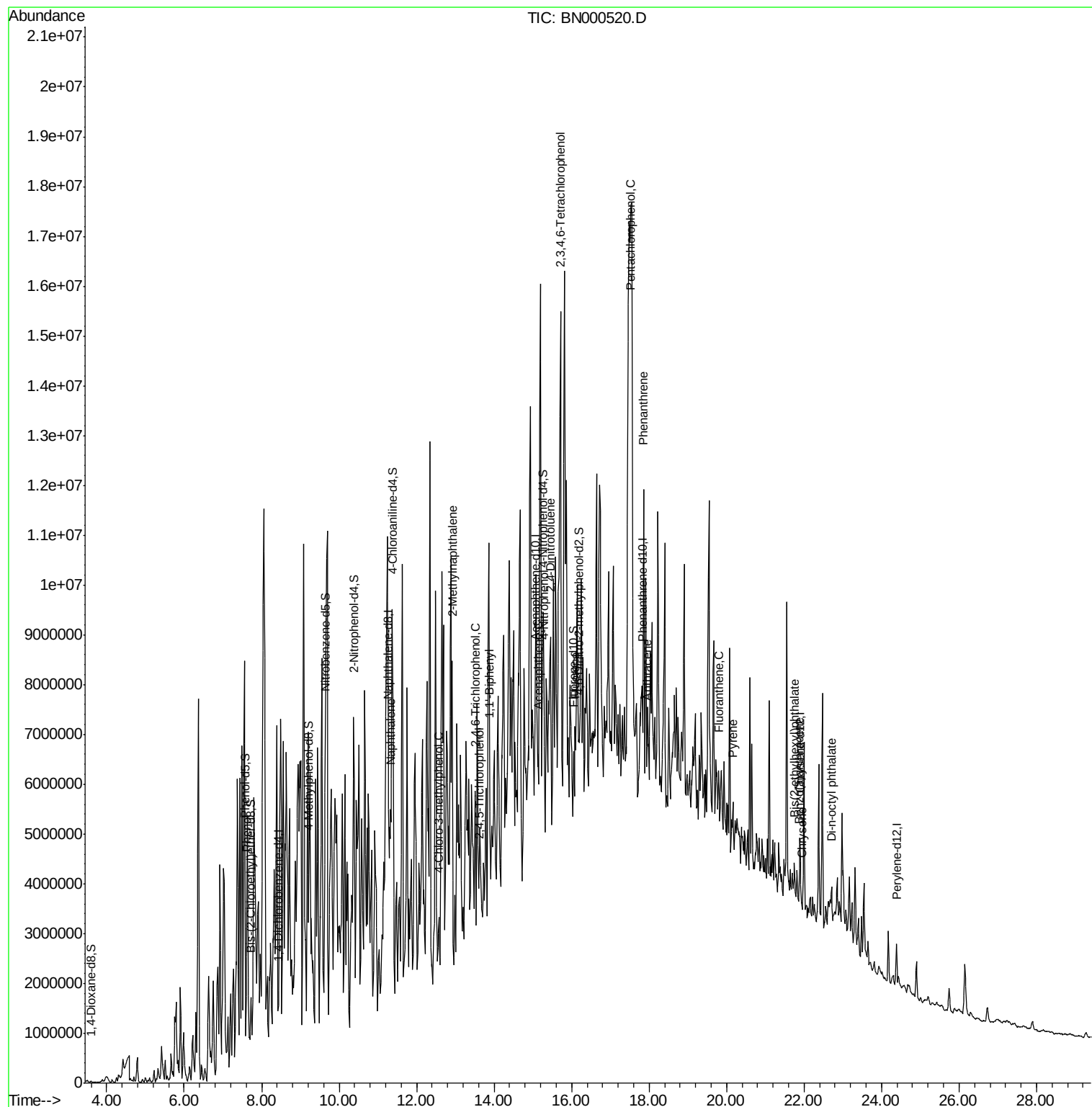
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
Data File : BN000520.D
Acq On : 21 Mar 2018 15:18
Operator : JU/SJ
Sample : J1905-04MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

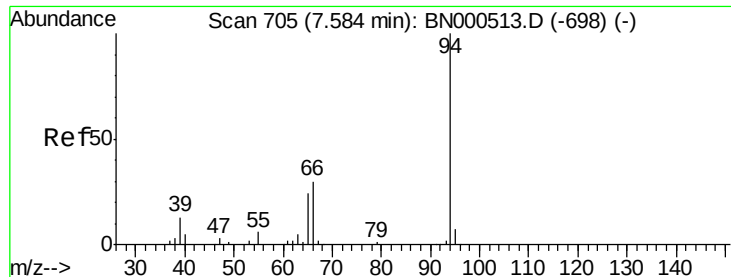
Instrument :
BNA_N
ClientSampleId :
DAM40MS

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:16 PM

Quant Time: Mar 23 11:56:34 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration





#6

Phenol

Concen: 1.117 ng/ul

RT: 7.61 min Scan# 710

Delta R.T. 0.03 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Instrument :

BNA_N

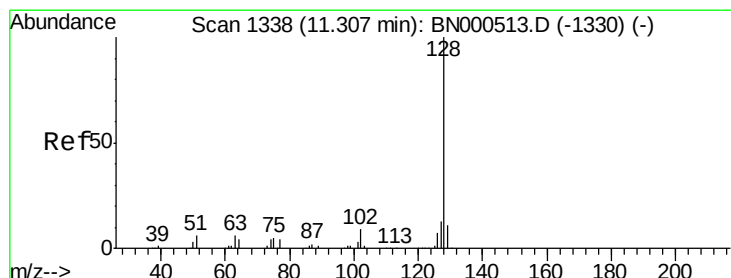
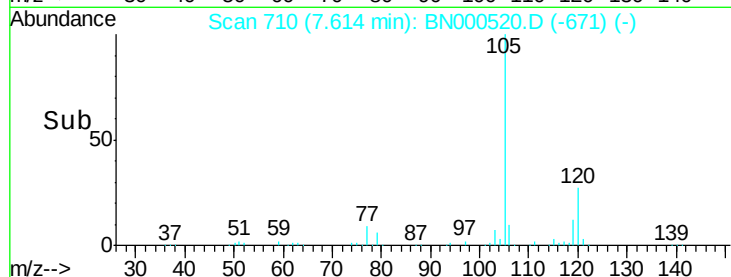
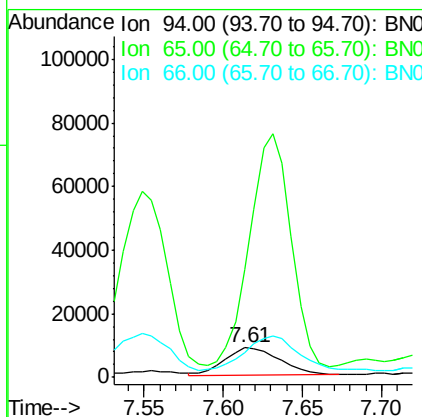
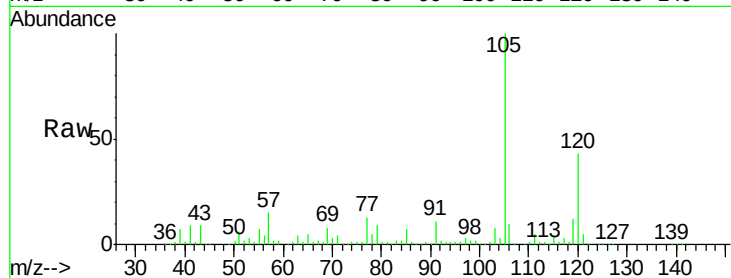
ClientSampleID :

DAM40MS

Tot Ion:	94	Resp:	20921
Ion Ratio	Lower	Upper	
94	100		
65	363.2	23.0	34.6#
66	83.5	30.4	45.6#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:16 PM



#28

Naphthalene

Concen: 56.054 ng/ul

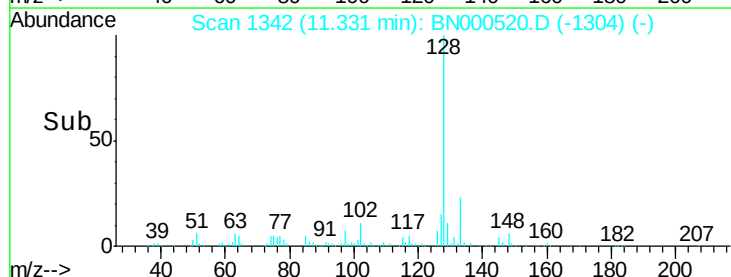
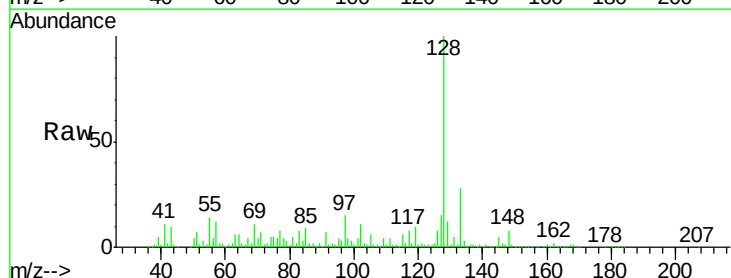
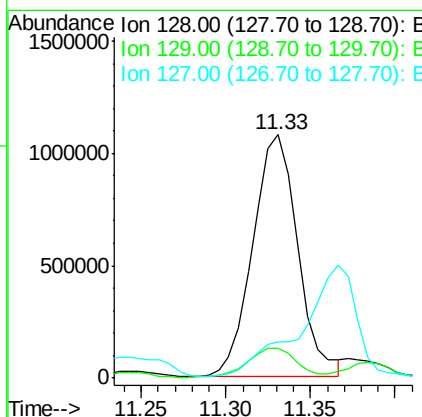
RT: 11.33 min Scan# 1342

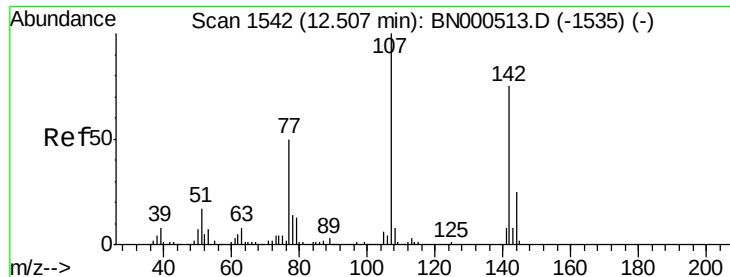
Delta R.T. 0.02 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Tgt Ion:	128	Resp:	2010382
Ion Ratio	Lower	Upper	
128	100		
129	12.4	8.3	12.5
127	15.0	10.8	16.2





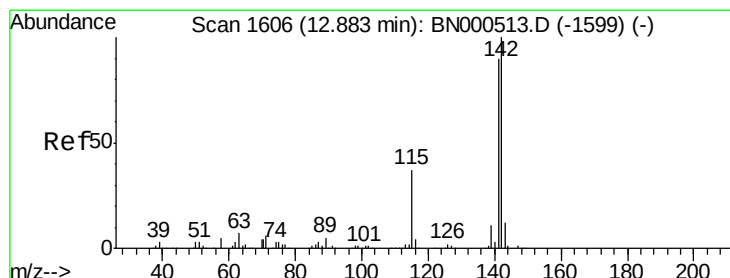
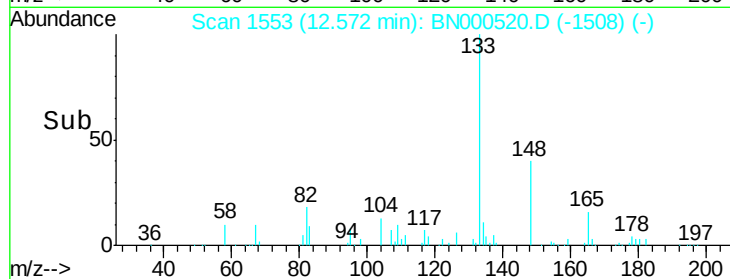
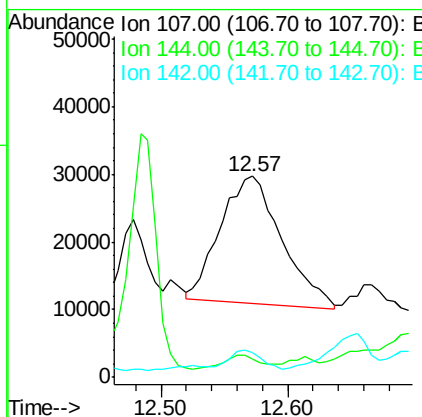
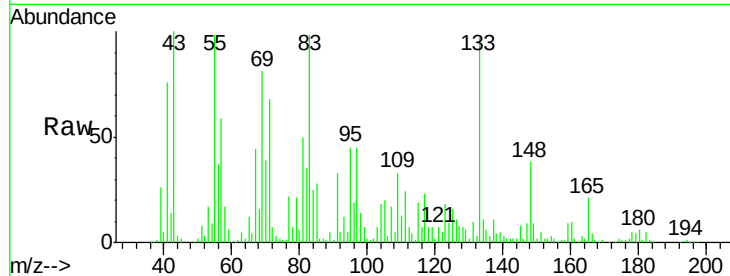
#33
 4-Chloro-3-methylphenol
 Concen: 5.389 ng/ul m
 RT: 12.57 min Scan# 1553
 Delta R.T. 0.07 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Instrument :
 BNA_N
 ClientSampled :
 DAM40MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	63337		
144	9.4	21.1	31.7#	
142	12.4	60.1	90.1#	

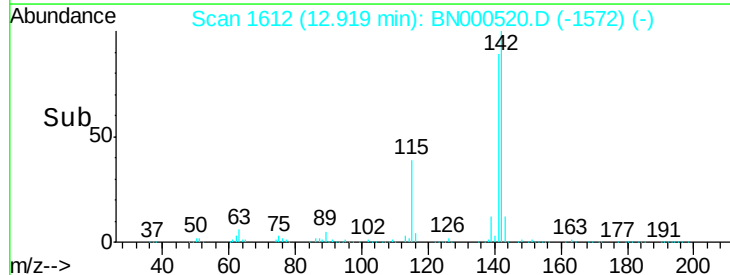
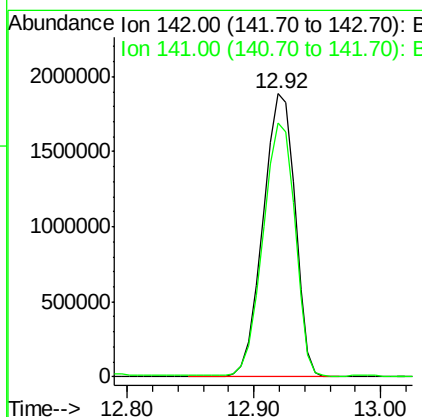
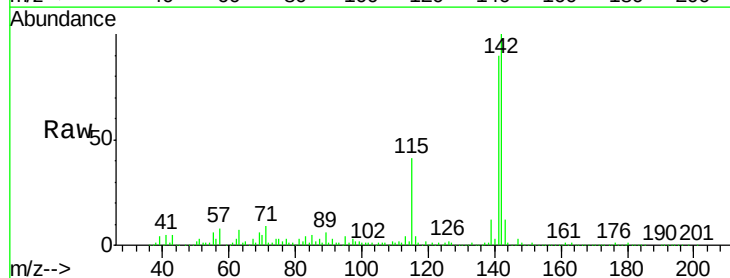
Manual Integrations
 APPROVED

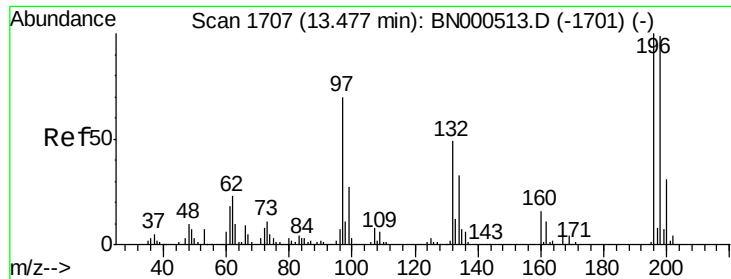
Sohil
 3/22/2018 6:49:16 PM



#34
 2-Methylnaphthalene
 Concen: 138.594 ng/ul
 RT: 12.92 min Scan# 1612
 Delta R.T. 0.04 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	3318597		
141	89.7	71.4	107.2	





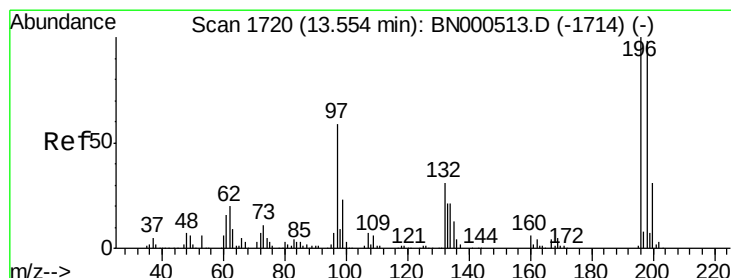
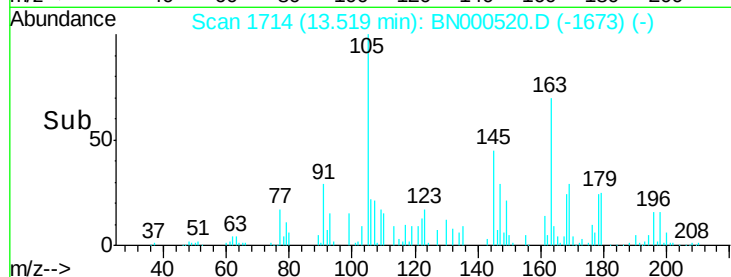
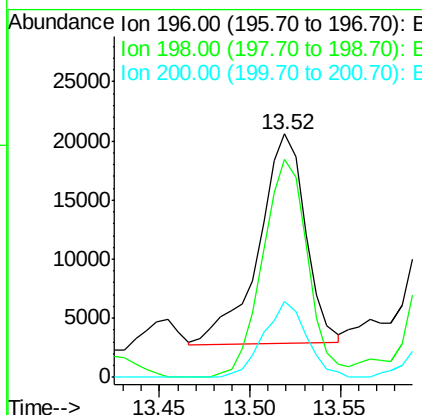
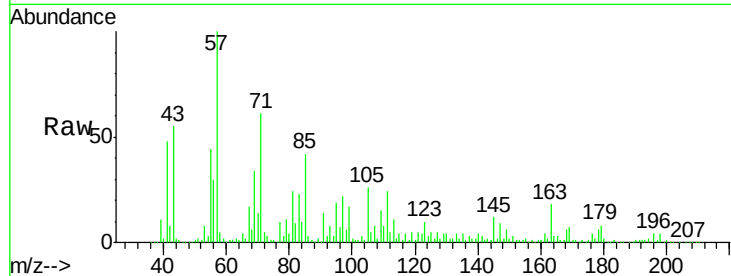
#38
 2,4,6-Trichlorophenol
 Concen: 4.077 ng/ul
 RT: 13.52 min Scan# 1714
 Delta R.T. 0.04 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Instrument :
 BNA_N
 ClientSampled :
 DAM40MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	31991		
198	89.4	75.9	113.9	
200	31.0	25.8	38.6	

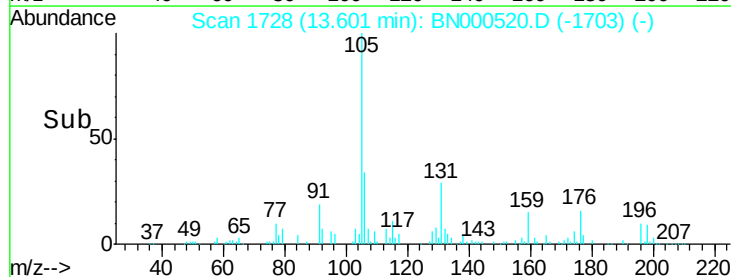
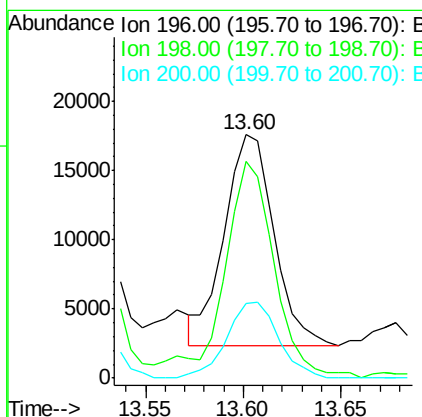
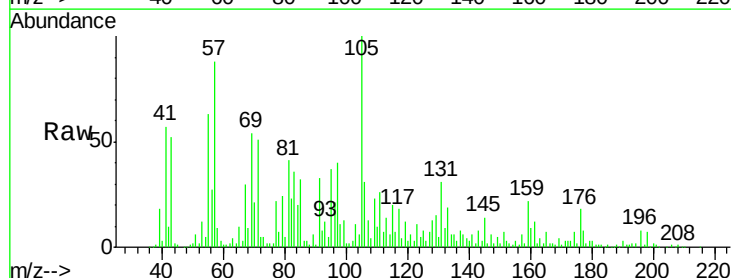
Manual Integrations
 APPROVED

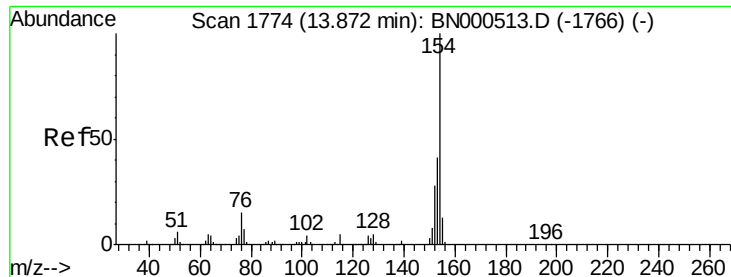
Sohil
 3/22/2018 6:49:16 PM



#39
 2,4,5-Trichlorophenol
 Concen: 3.281 ng/ul
 RT: 13.60 min Scan# 1728
 Delta R.T. 0.05 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	26843		
198	88.8	74.7	112.1	
200	30.9	25.4	38.0	





#40

1,1'-Biphenyl

Concen: 12.669 ng/ul

RT: 13.89 min Scan# 1777

Delta R.T. 0.02 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Instrument :

BNA_N

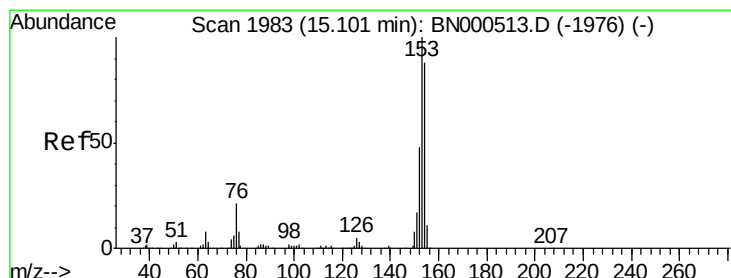
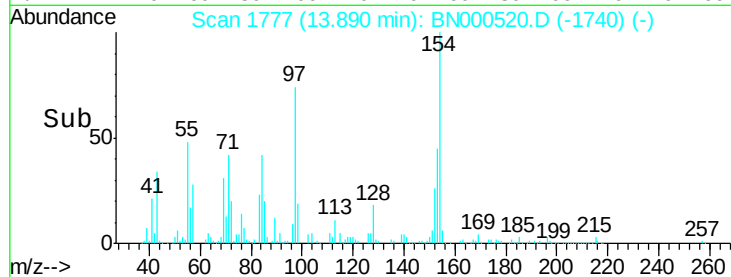
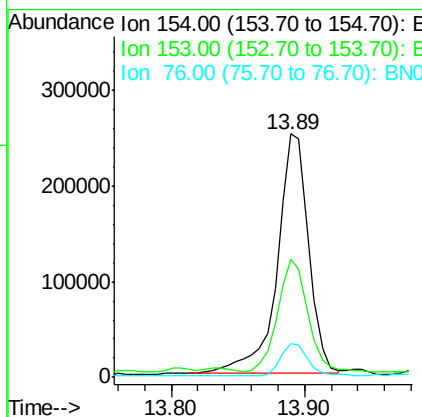
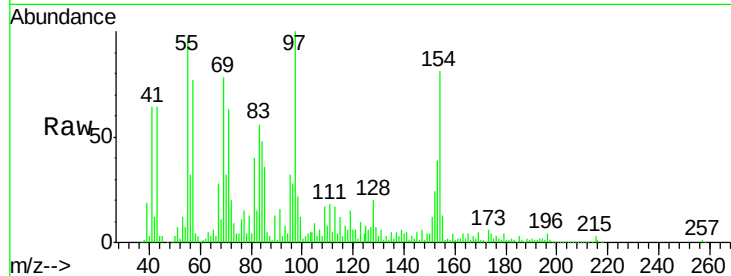
ClientSampleId :

DAM40MS

Tot Ion:	154	Resp:	415245
Ion Ratio	Lower	Upper	
154	100		
153	48.4	34.0	51.0
76	14.1	8.4	12.6

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:16 PM



#49

Acenaphthene

Concen: 8.662 ng/ul

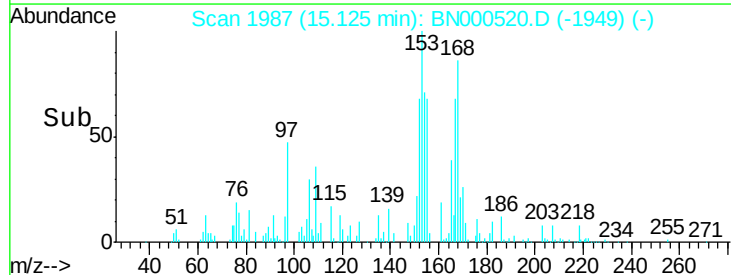
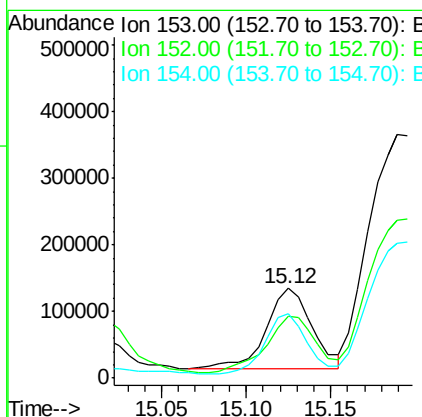
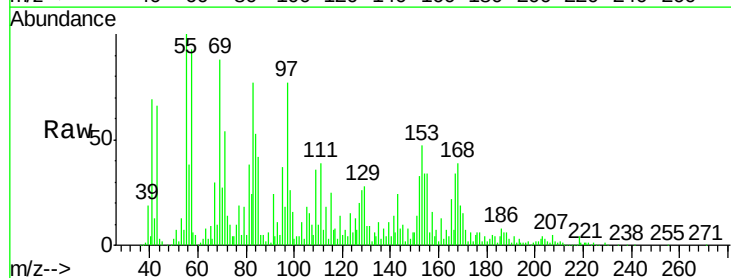
RT: 15.12 min Scan# 1987

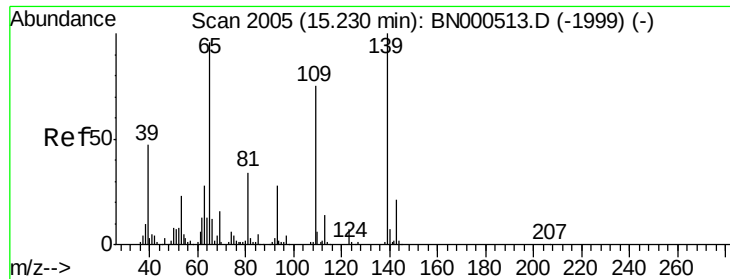
Delta R.T. 0.02 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Tgt Ion:	153	Resp:	232167
Ion Ratio	Lower	Upper	
153	100		
152	69.5	37.9	56.9
154	72.0	69.8	104.6





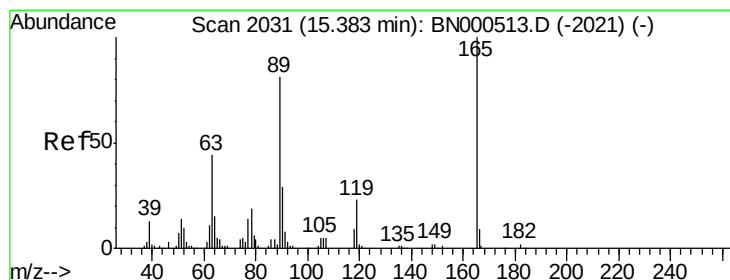
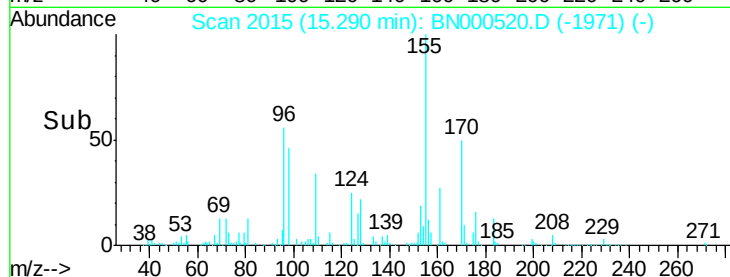
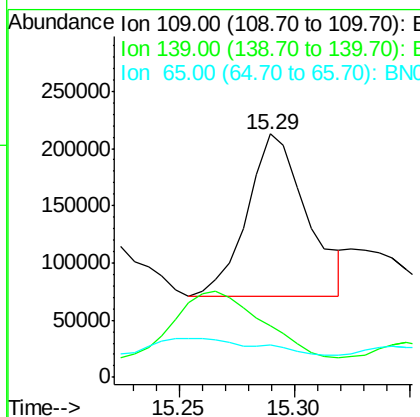
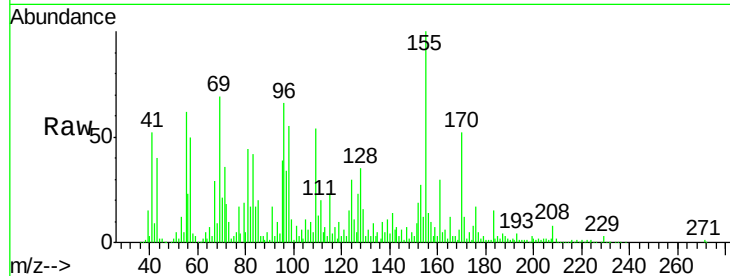
#52
4-Nitrophenol
Concen: 58.004 ng/ul
RT: 15.29 min Scan# 2015
Delta R.T. 0.06 min
Lab File: BN000520.D
Acq: 21 Mar 2018 15:18

Instrument :
BNA_N
ClientSampleId :
DAM40MS

Tot Ion	Ratio	Resp	Lower	Upper
109	100	253171		
139	21.1	91.2	136.8#	
65	13.4	92.6	139.0#	

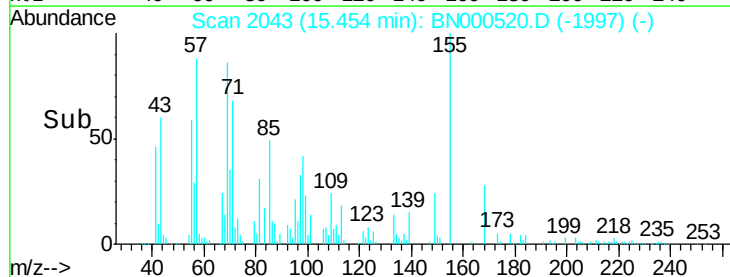
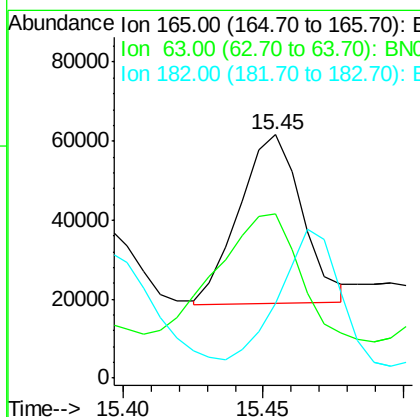
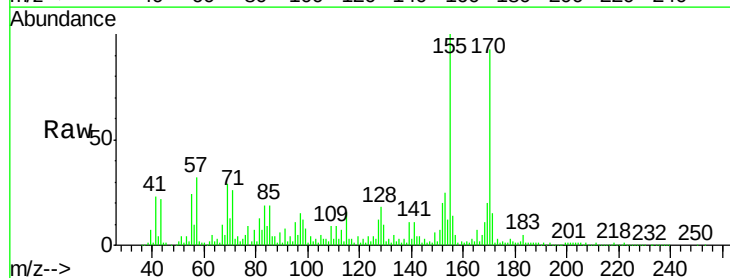
Manual Integrations
APPROVED

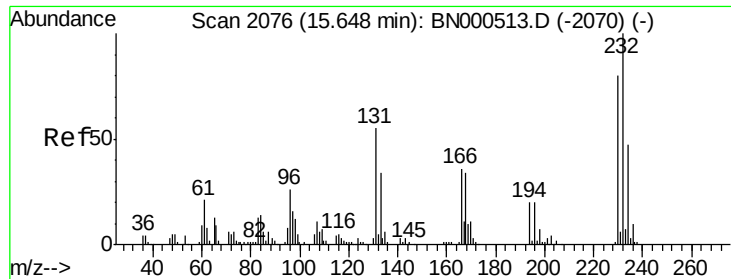
Sohil
3/22/2018 6:49:16 PM



#54
2,4-Dinitrotoluene
Concen: 7.814 ng/ul m
RT: 15.45 min Scan# 2043
Delta R.T. 0.07 min
Lab File: BN000520.D
Acq: 21 Mar 2018 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	67167		
63	67.6	31.4	47.0#	
182	30.6	2.7	4.1#	





#55

2,3,4,6-Tetrachlorophenol

Concen: 536.949 ng/ul

RT: 15.71 min Scan# 2086

Delta R.T. 0.06 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Instrument :

BNA_N

ClientSampleId :

DAM40MS

Tot Ion:232 Resp: 3354444

Ion Ratio Lower Upper

232 100

131 38.8 48.0 72.0#

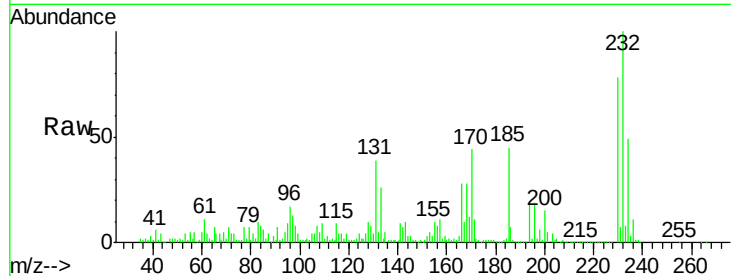
130 3.9 4.0 6.0#

166 28.5 32.0 48.0#

Manual Integrations
APPROVED

Sohil

3/22/2018 6:49:16 PM

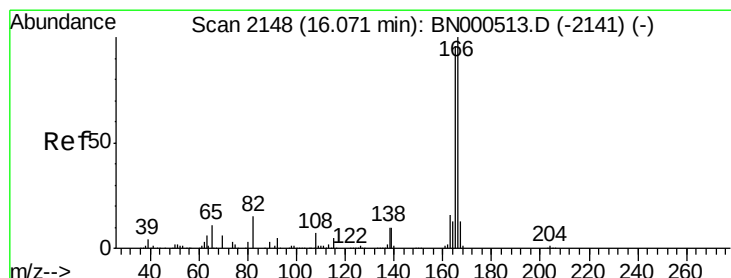
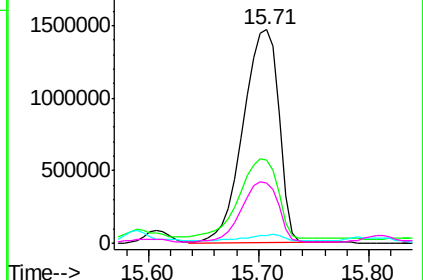
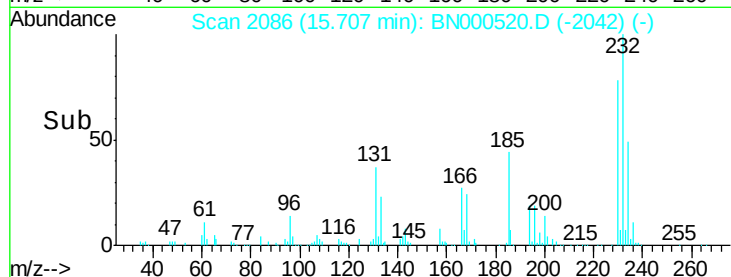


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#58

Fluorene

Concen: 11.923 ng/ul

RT: 16.11 min Scan# 2154

Delta R.T. 0.04 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

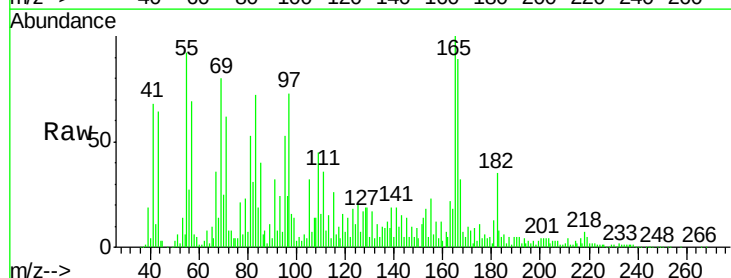
Tgt Ion:166 Resp: 344928

Ion Ratio Lower Upper

166 100

165 112.6 78.4 117.6

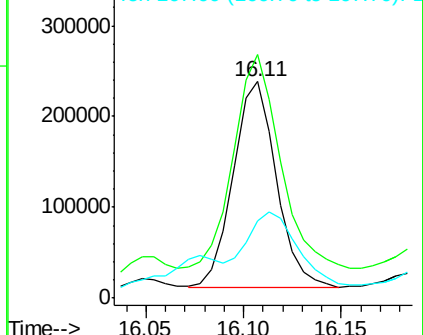
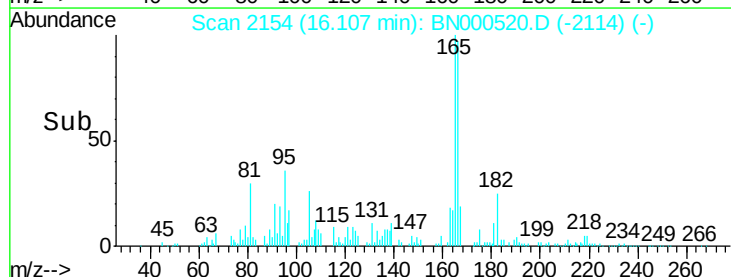
167 35.5 11.1 16.7#

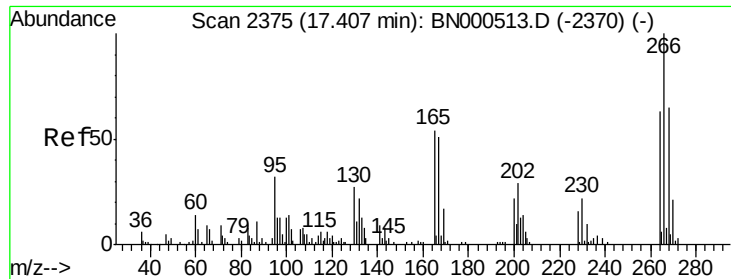


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Pentachlorophenol

Concen: 4041.487 ng/ul m

RT: 17.52 min Scan# 2395

Delta R.T. 0.12 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Instrument :

BNA_N

ClientSampleId :

DAM40MS

Tot Ion:266 Resp:17158743

Ion	Ratio	Lower	Upper
266	100		
264	64.4	48.2	72.4
268	63.1	52.3	78.5

266 100

264 64.4 48.2 72.4

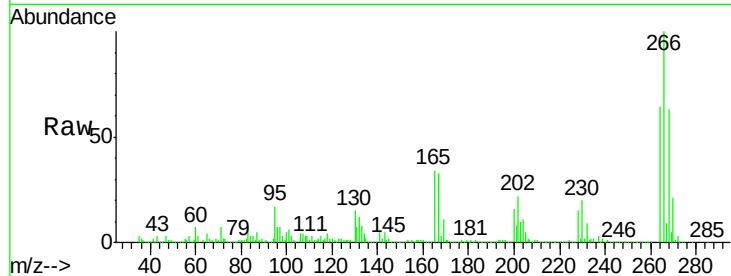
268 63.1 52.3 78.5

Manual Integrations

APPROVED

Sohil

3/22/2018 6:49:16 PM

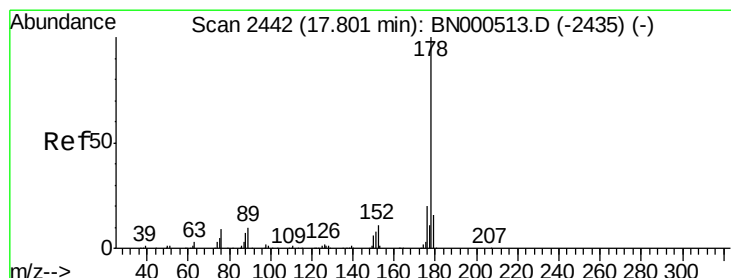
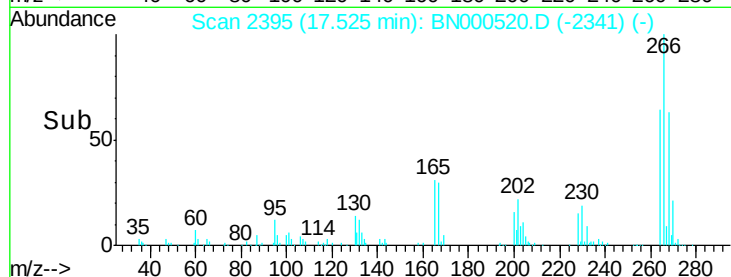
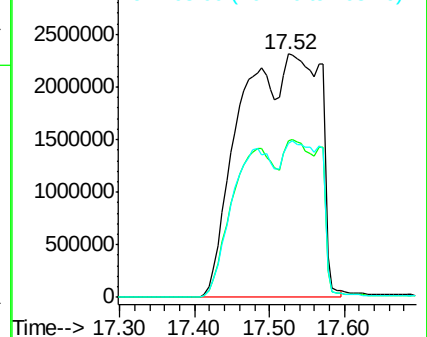


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69

Phenanthrene

Concen: 28.719 ng/ul

RT: 17.86 min Scan# 2452

Delta R.T. 0.06 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

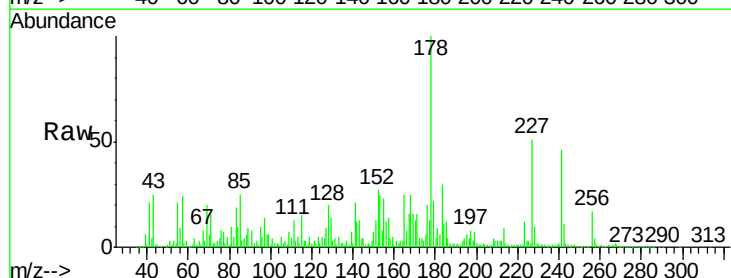
Tgt Ion:178 Resp: 1236269

Ion	Ratio	Lower	Upper
178	100		
179	21.7	12.3	18.5#
176	20.4	15.4	23.0

178 100

179 21.7 12.3 18.5#

176 20.4 15.4 23.0

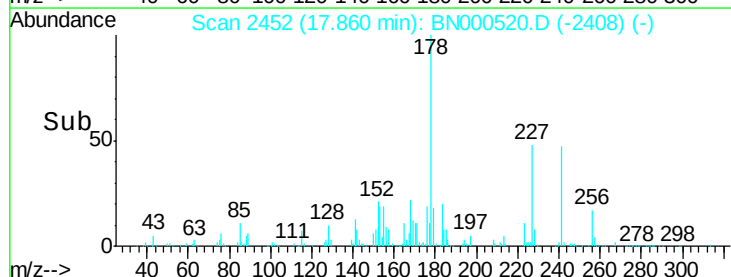
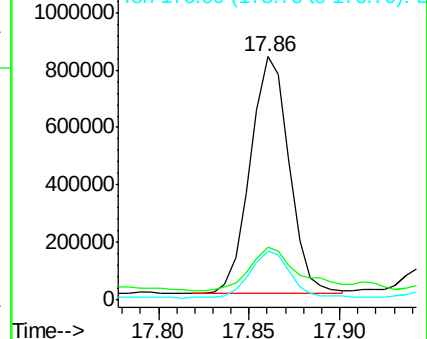


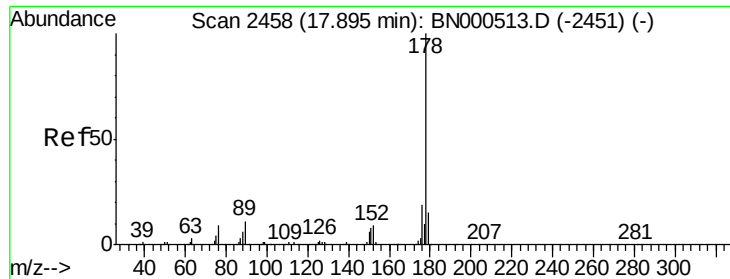
Abundance

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





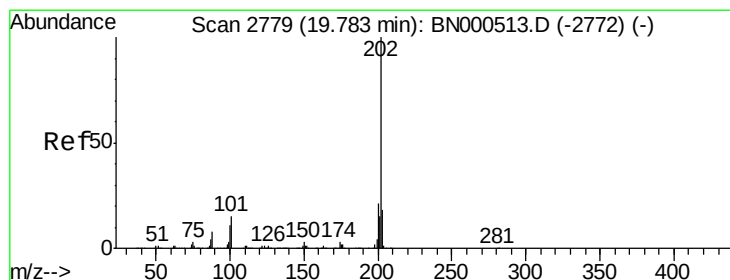
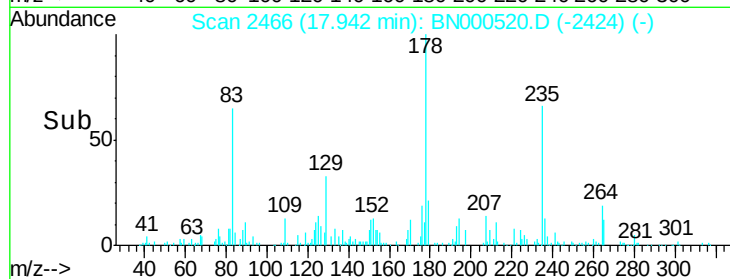
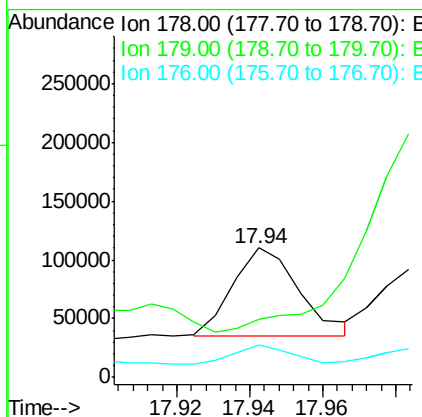
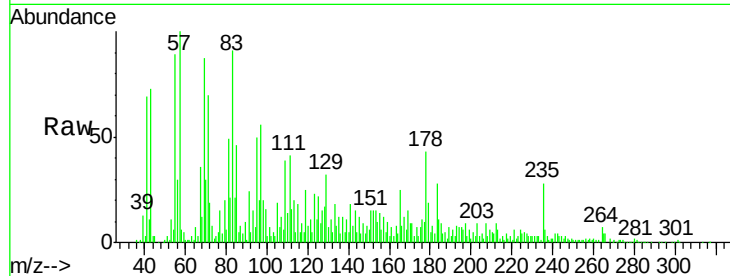
#71
 Anthracene
 Concen: 2.153 ng/ul m
 RT: 17.94 min Scan# 2466
 Delta R.T. 0.05 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Instrument :
 BNA_N
 ClientSampled :
 DAM40MS

Tot Ion	Ratio	Lower	Upper
178	100		
179	44.9	13.4	20.2#
176	24.5	15.4	23.0#

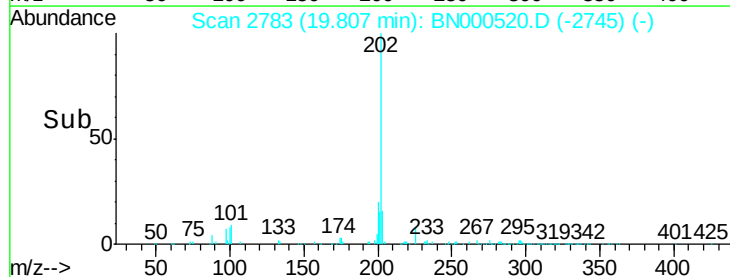
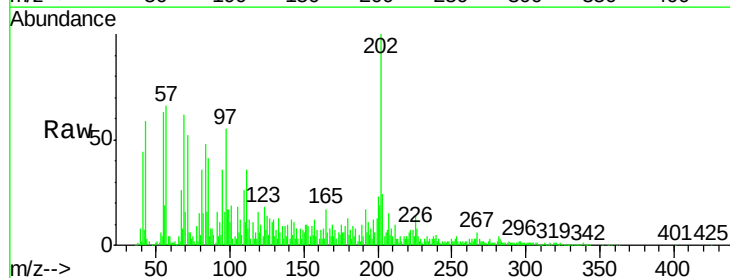
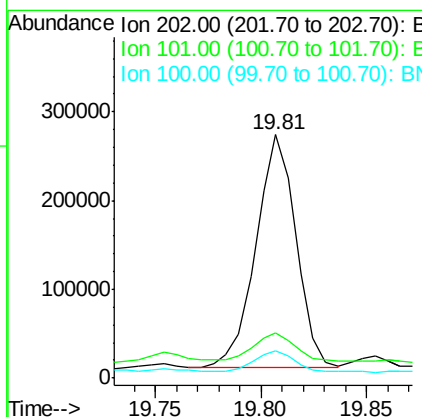
Manual Integrations
 APPROVED

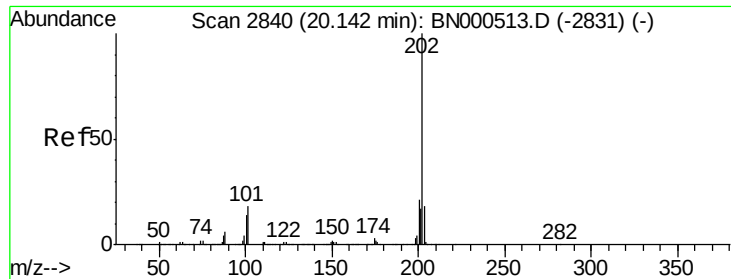
Sohil
 3/22/2018 6:49:16 PM



#74
 Fluoranthene
 Concen: 8.123 ng/ul
 RT: 19.81 min Scan# 2783
 Delta R.T. 0.02 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.8	6.1	9.1#
100	11.0	4.6	7.0#





#77

Pvrene

Concen: 8.237 ng/ul

RT: 20.17 min Scan# 2844

Delta R.T. 0.02 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Instrument :

BNA_N

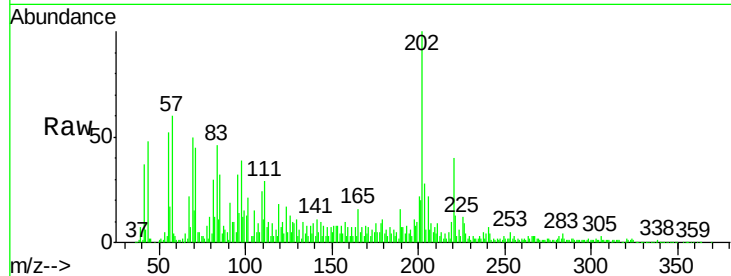
ClientSampleId :

DAM40MS

Tot Ion:	202	Resp:	377384
Ion Ratio	Lower	Upper	
202	100		
101	20.6	6.9	10.3#
100	13.1	5.6	8.4#

Manual Integrations
APPROVED

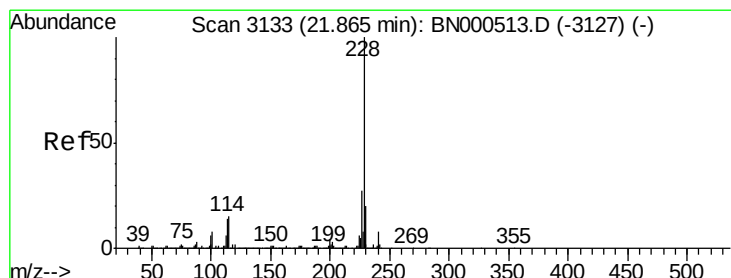
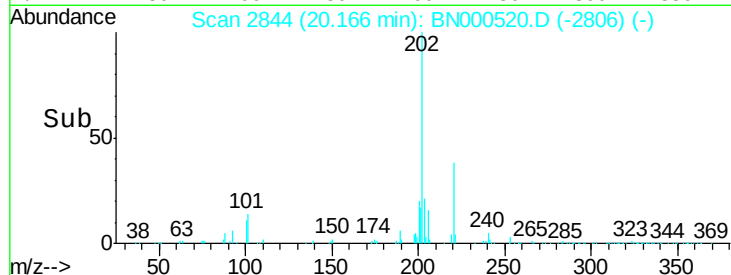
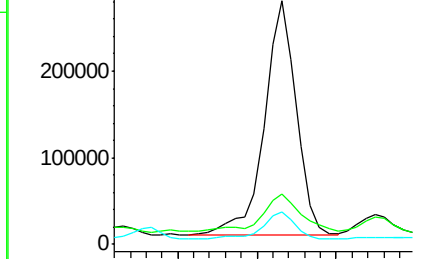
Sohil
3/22/2018 6:49:16 PM



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



#80

Benzo(a)anthracene

Concen: 1.841 ng/ul

RT: 21.88 min Scan# 3135

Delta R.T. 0.01 min

Lab File: BN000520.D

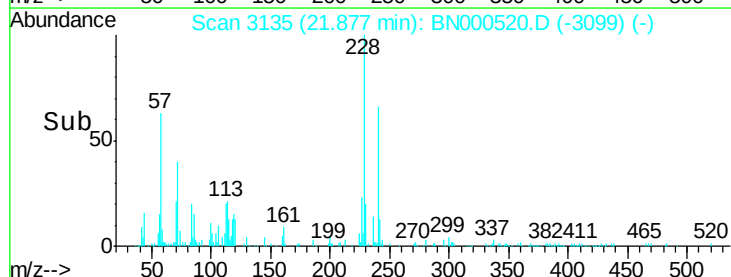
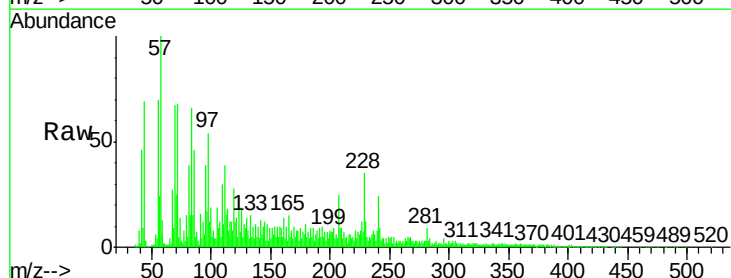
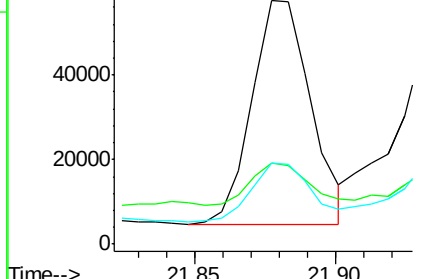
Acq: 21 Mar 2018 15:18

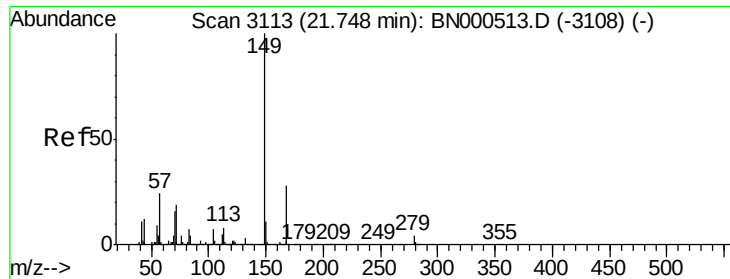
Tgt Ion:	228	Resp:	76940
Ion Ratio	Lower	Upper	
228	100		
229	33.0	16.0	24.0#
226	33.4	21.8	32.8#

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





#81

Bis(2-ethylhexyl)phthalate

Concen: 7.490 ng/ul

RT: 21.75 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Instrument :

BNA_N

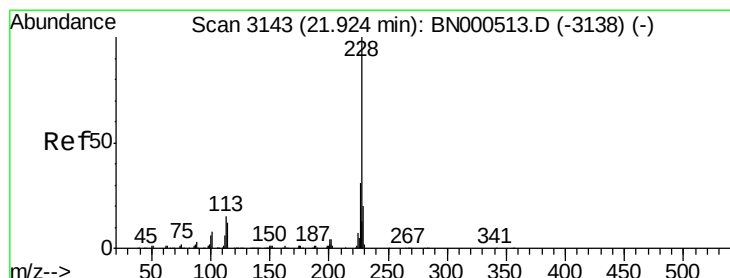
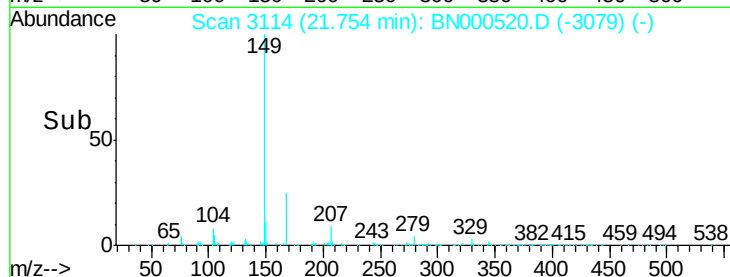
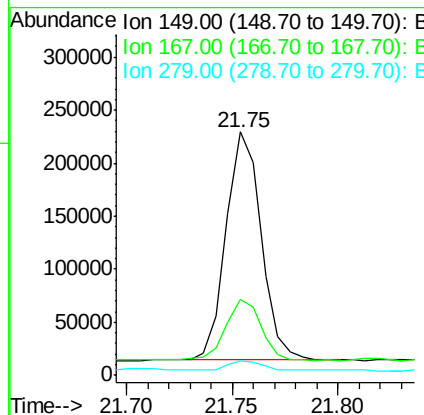
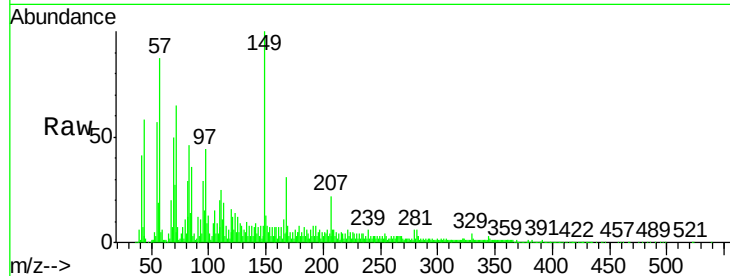
ClientSampleId :

DAM40MS

Tot Ion:	149	Resp:	247485
Ion Ratio	Lower	Upper	
149	100		
167	31.5	23.0	34.6
279	6.1	4.3	6.5

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:16 PM



#82

Chrysene

Concen: 1.928 ng/ul

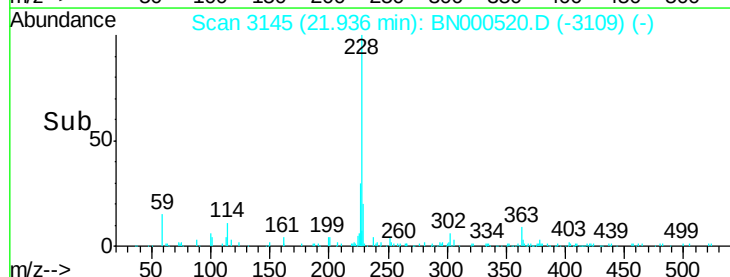
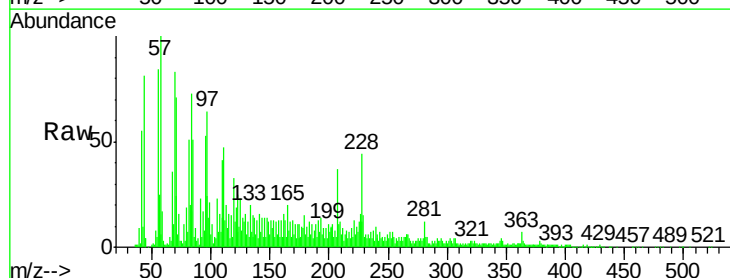
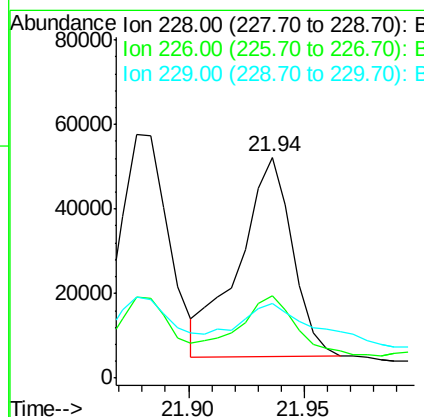
RT: 21.94 min Scan# 3145

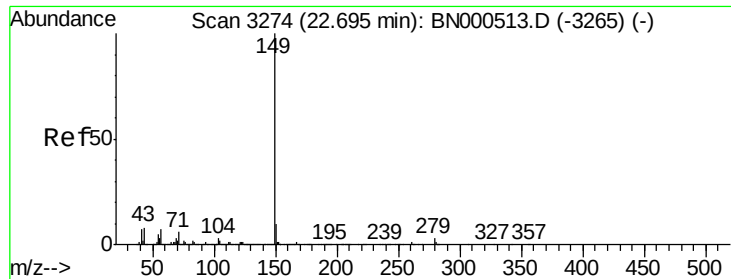
Delta R.T. 0.01 min

Lab File: BN000520.D

Acq: 21 Mar 2018 15:18

Tgt Ion:	228	Resp:	75526
Ion Ratio	Lower	Upper	
228	100		
226	37.4	24.1	36.1#
229	33.9	16.0	24.0#





#84
 Di-n-octyl phthalate
 Concen: 5.935 ng/ul
 RT: 22.71 min Scan# 3277
 Delta R.T. 0.02 min
 Lab File: BN000520.D
 Acq: 21 Mar 2018 15:18

Instrument :
 BNA_N
 ClientSampleId :
 DAM40MS

Tgt Ion:149 Resp: 306296

Manual Integrations
 APPROVED

Sohil
 3/22/2018 6:49:16 PM

