

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000515.D
 Acq On : 21 Mar 2018 12:26
 Operator : JU/SJ
 Sample : J1905-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAM46

Manual Integrations
 APPROVED

Sohil
 3/22/2018 6:48:53 PM

Quant Time: Mar 23 11:54:58 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	8.44	152	182225	20.00	ng/ul	0.03
18) Naphthalene-d8	11.29	136	386061	20.00	ng/ul	0.04
35) Acenaphthene-d10	15.07	164	307799	20.00	ng/ul	0.04
61) Phenanthrene-d10	17.90	188	450605m	20.00	ng/ul	0.14
75) Chrysene-d12	21.90	240	543047m	20.00	ng/ul	0.02
83) Perylene-d12	24.40	264	621290	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	33466	6.56	ng/uL	0.00
5) Phenol-d5	7.61	99	121332	7.14	ng/ul	0.05
7) Bis-(2-Chloroethyl)ether-d	7.74	67	674681	68.80	ng/ul	0.02
9) 2-Chlorophenol-d4	8.00	132	259513	20.19	ng/ul	0.06
13) 4-Methylphenol-d8	9.24	113	243569m	18.39	ng/ul	0.11
19) Nitrobenzene-d5	9.64	128	155021	49.44	ng/ul	0.04
22) 2-Nitrophenol-d4	10.37	143	115068	35.43	ng/ul	0.04
26) 2,4-Dichlorophenol-d3	11.01	165	288230m	49.50	ng/ul	0.14
29) 4-Chloroaniline-d4	11.40	131	551345	92.25	ng/ul	0.01
43) Dimethylphthalate-d6	14.46	166	526750	21.66	ng/ul	0.04
46) Acenaphthylene-d8	14.77	160	757240	23.60	ng/ul	0.04
51) 4-Nitrophenol-d4	15.28	143	130198	28.84	ng/ul	0.07
57) Fluorene-d10	16.08	176	512970	24.76	ng/ul	0.06
62) 4,6-Dinitro-2-methylphenol	16.22	200	308868	119.69	ng/ul	0.09
70) Anthracene-d10	17.98	188	602108m	27.80	ng/ul	0.12
76) Pyrene-d10	20.15	212	714018m	23.82	ng/ul	0.04
87) Benzo(a)pyrene-d12	24.24	264	763208	26.03	ng/ul	0.03

Target Compounds

					Ovalue	
21) Isophorone	10.22	82	2049904	138.932	ng/ul#	74
28) Naphthalene	11.35	128	2552094	125.882	ng/ul#	95
34) 2-Methylnaphthalene	12.94	142	5065259	374.222	ng/ul	100
38) 2,4,6-Trichlorophenol	13.55	196	133938m	21.353	ng/ul	
39) 2,4,5-Trichlorophenol	13.64	196	129616m	19.818	ng/ul	
40) 1,1'-Biphenyl	13.91	154	523460	19.978	ng/ul#	88
49) Acenaphthene	15.14	153	278641	13.004	ng/ul#	83
55) 2,3,4,6-Tetrachlorophenol	15.78	232	11325317m	2267.632	ng/ul	
58) Fluorene	16.13	166	608633	26.317	ng/ul#	78
68) Pentachlorophenol	17.55	266	35608463m	13907.877	ng/ul	
69) Phenanthrene	17.94	178	3463008	133.401	ng/ul#	93
71) Anthracene	18.01	178	755693m	28.390	ng/ul	
74) Fluoranthene	19.82	202	2641306m	102.393	ng/ul	
77) Pyrene	20.18	202	2403168m	60.588	ng/ul	
80) Benzo(a)anthracene	21.88	228	503609m	13.919	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.76	149	2255915	78.870	ng/ul	100
82) Chrysene	21.94	228	489275m	14.424	ng/ul	
84) Di-n-octyl phthalate	22.72	149	1097049	20.978	ng/ul	100
85) Benzo(b)fluoranthene	23.64	252	381802	9.726	ng/ul#	72
86) Benzo(k)fluoranthene	23.68	252	123208m	3.251	ng/ul	
88) Benzo(a)pyrene	24.29	252	240055	6.497	ng/ul#	72
89) Indeno(1,2,3-cd)pyrene	26.97	276	115371	2.896	ng/ul#	71
91) Benzo(g,h,i)perylene	27.76	276	102594	3.099	ng/ul#	75

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
Data File : BN000515.D
Acq On : 21 Mar 2018 12:26
Operator : JU/SJ
Sample : J1905-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DAM46

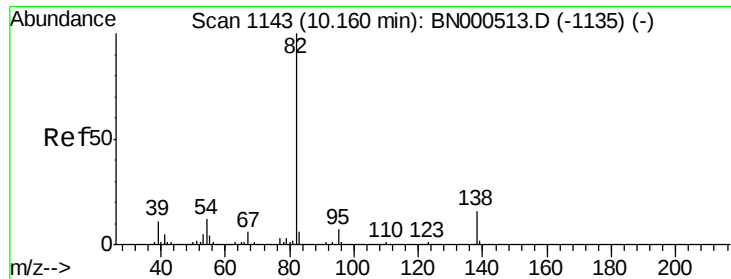
Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM

Quant Time: Mar 23 11:54:58 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



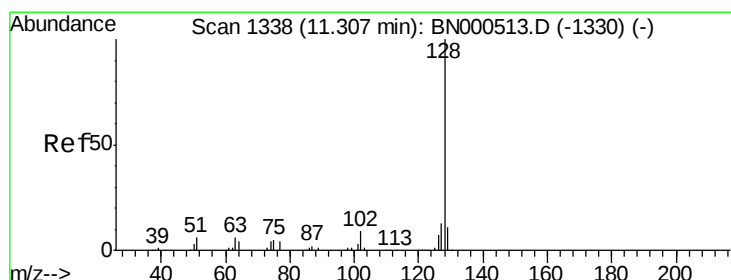
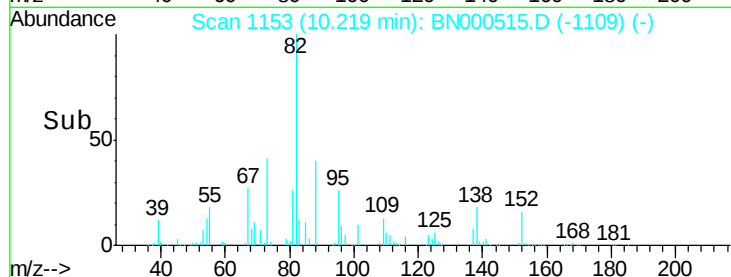
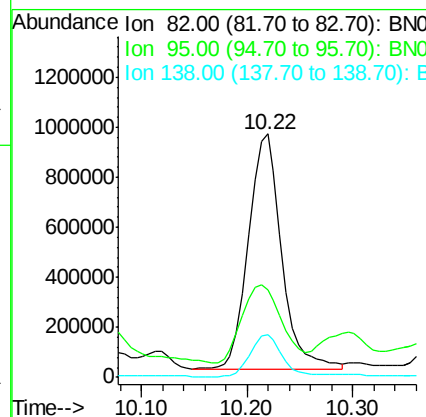
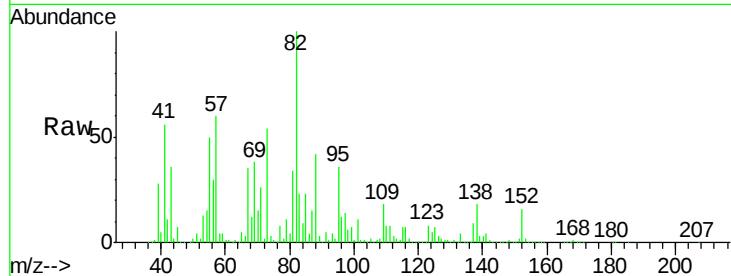
#21
Isophorone
Concen: 138.932 ng/ul
RT: 10.22 min Scan# 1153
Delta R.T. 0.06 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Instrument :
BNA_N
ClientSampleId :
DAM46

Tot Ion: 82 Resp: 2049904
Ion Ratio Lower Upper
82 100
95 35.8 6.1 9.1#
138 17.7 13.5 20.3

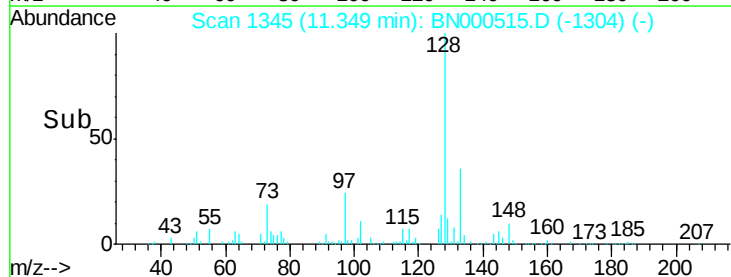
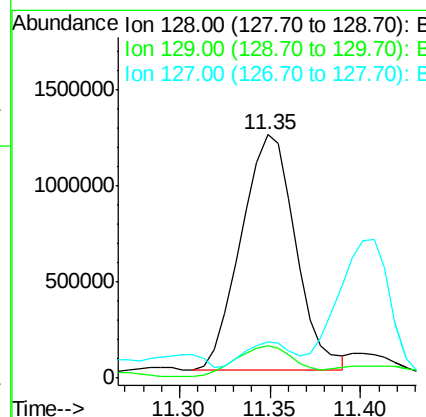
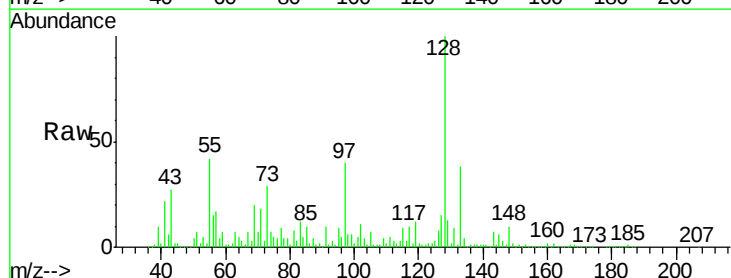
Manual Integrations
APPROVED

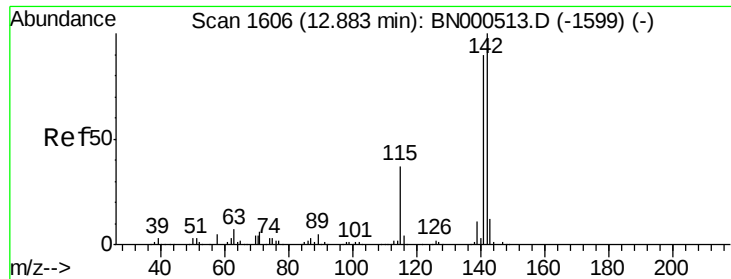
Sohil
3/22/2018 6:48:53 PM



#28
Naphthalene
Concen: 125.882 ng/ul
RT: 11.35 min Scan# 1345
Delta R.T. 0.04 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion:128 Resp: 2552094
Ion Ratio Lower Upper
128 100
129 13.2 8.3 12.5#
127 15.1 10.8 16.2





#34

2-Methylnaphthalene

Concen: 374.222 ng/ul

RT: 12.94 min Scan# 1615

Delta R.T. 0.05 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampled :

DAM46

Tot Ion:142 Resp: 5065259

Ion Ratio Lower Upper

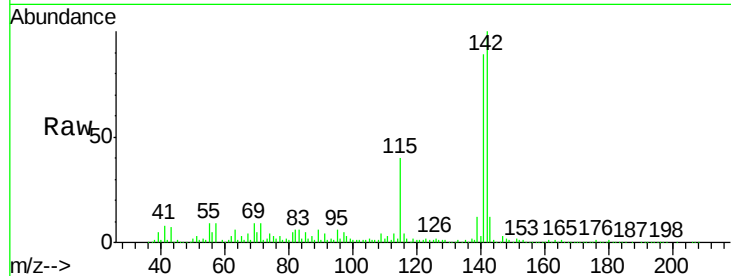
142 100

141 89.5 71.4 107.2

Manual Integrations
APPROVED

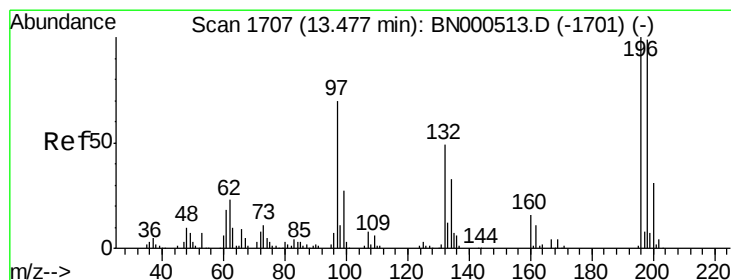
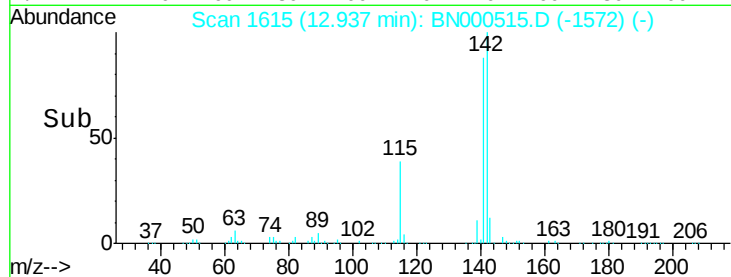
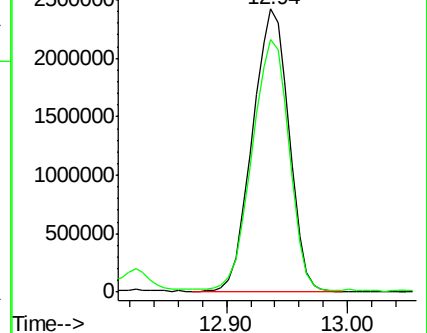
Sohil

3/22/2018 6:48:53 PM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#38

2,4,6-Trichlorophenol

Concen: 21.353 ng/ul m

RT: 13.55 min Scan# 1719

Delta R.T. 0.07 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

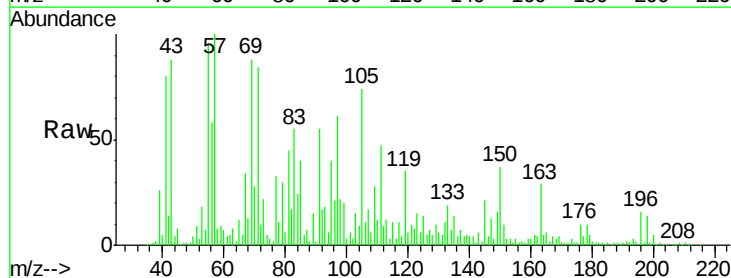
Tgt Ion:196 Resp: 133938

Ion Ratio Lower Upper

196 100

198 92.9 75.9 113.9

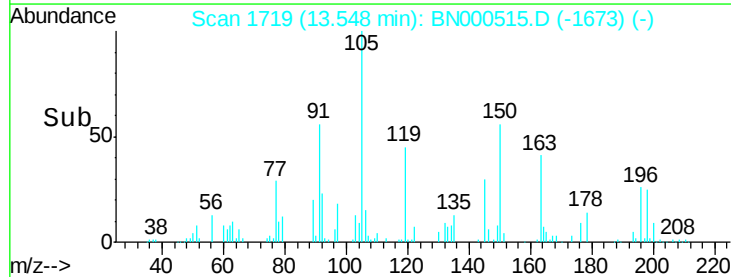
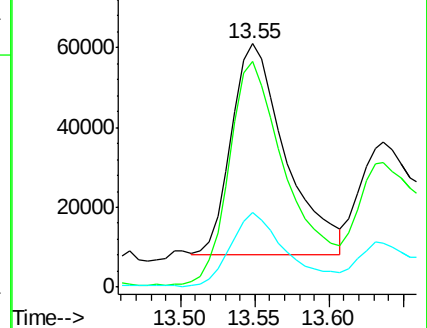
200 30.4 25.8 38.6

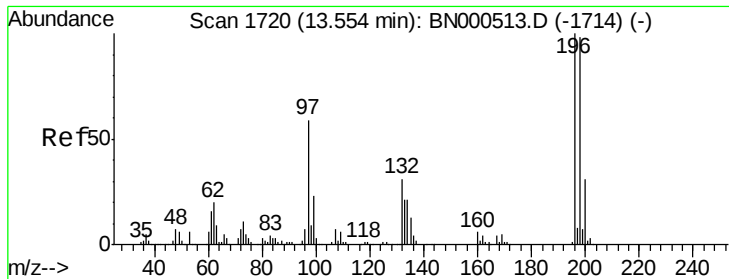


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





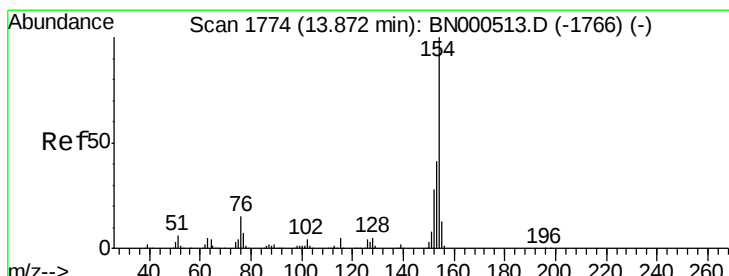
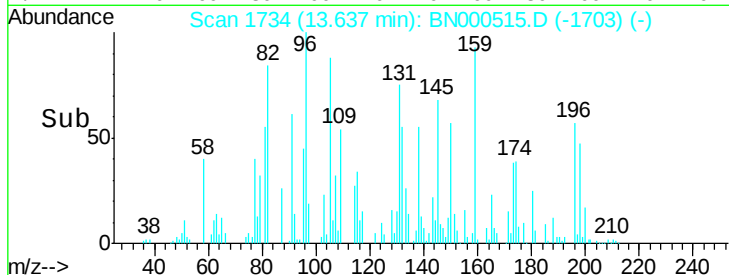
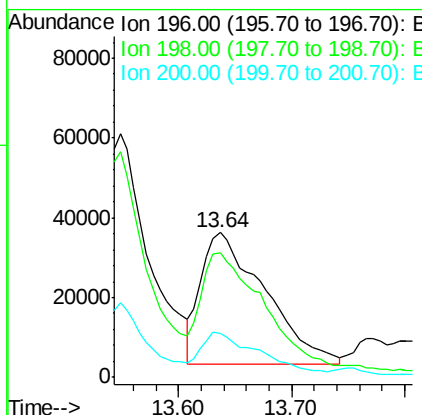
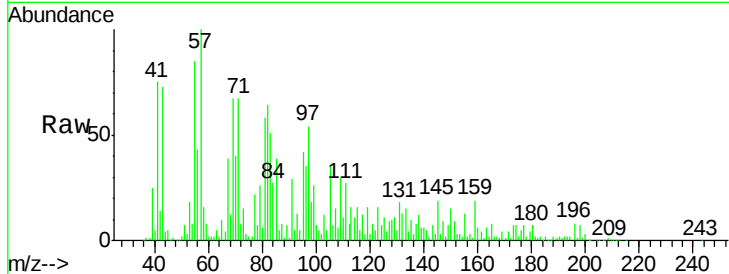
#39
 2,4,5-Trichlorophenol
 Concen: 19.818 ng/ul m
 RT: 13.64 min Scan# 1734
 Delta R.T. 0.08 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

Instrument :
 BNA_N
 ClientSampled :
 DAM46

Tot Ion	Ratio	Lower	Upper
196	100		
198	86.4	74.7	112.1
200	30.4	25.4	38.0

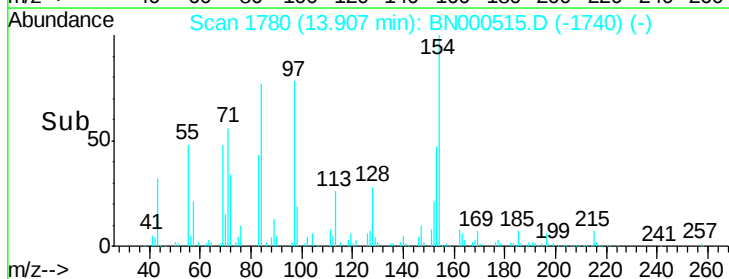
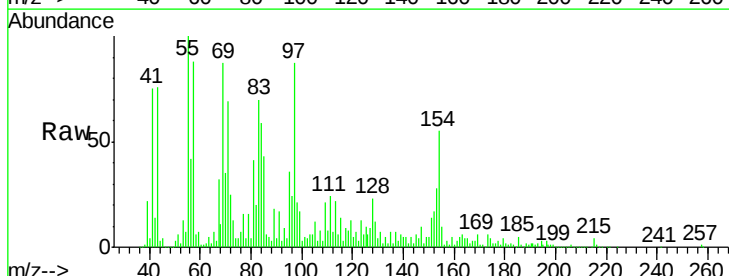
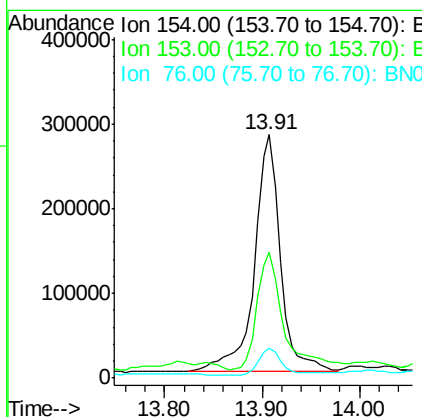
Manual Integrations
 APPROVED

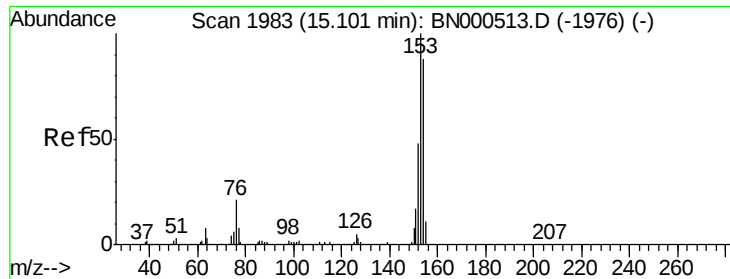
Sohil
 3/22/2018 6:48:53 PM



#40
 1,1'-Biphenyl
 Concen: 19.978 ng/ul
 RT: 13.91 min Scan# 1780
 Delta R.T. 0.04 min
 Lab File: BN000515.D
 Acq: 21 Mar 2018 12:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	51.6	34.0	51.0#
76	12.4	8.4	12.6





#49

Acenaphthene

Concen: 13.004 ng/ul

RT: 15.14 min Scan# 1989

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

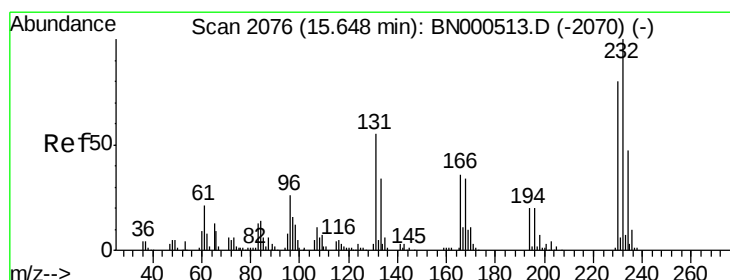
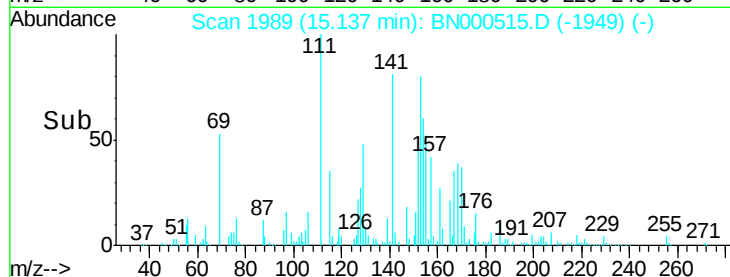
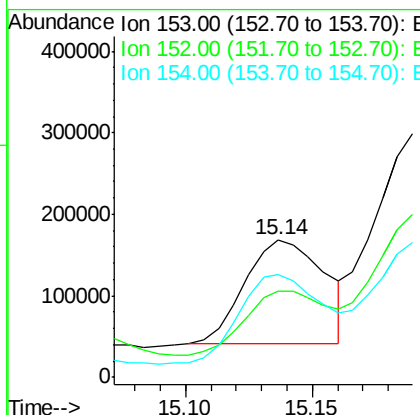
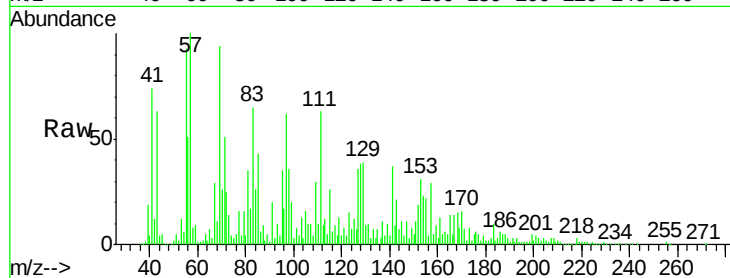
ClientSampleId :

DAM46

Tot Ion:153	Resp:	278641
Ion Ratio	Lower	Upper
153	100	
152	63.0	37.9 56.9#
154	74.6	69.8 104.6

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM



#55

2,3,4,6-Tetrachlorophenol

Concen: 2267.632 ng/ul m

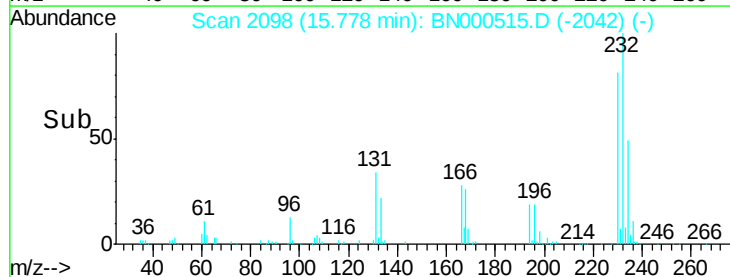
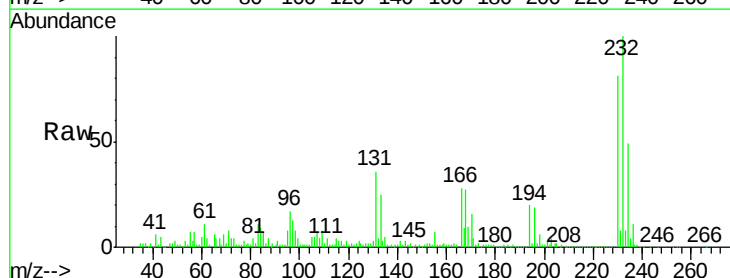
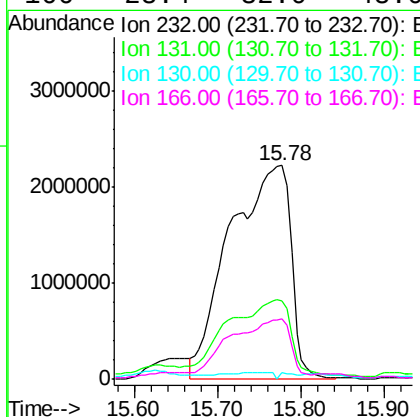
RT: 15.78 min Scan# 2098

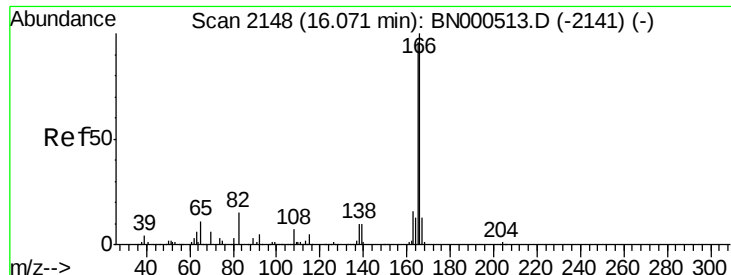
Delta R.T. 0.13 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:232	Resp:11325317		
Ion Ratio	Lower	Upper	
232	100		
131	36.4	48.0	72.0#
130	2.8	4.0	6.0#
166	28.4	32.0	48.0#





#58

Fluorene

Concen: 26.317 ng/ul

RT: 16.13 min Scan# 2158

Delta R.T. 0.06 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

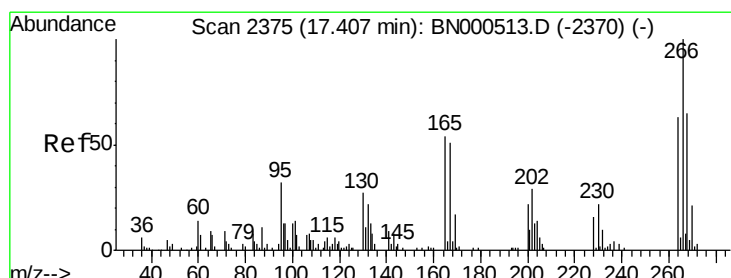
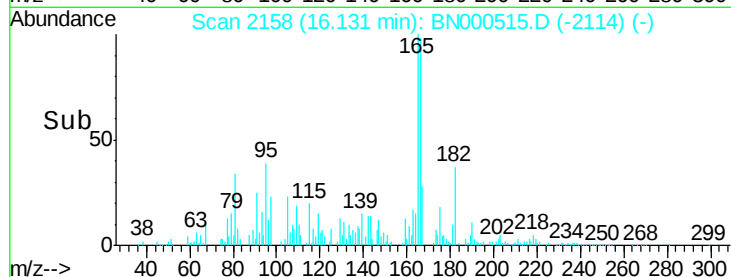
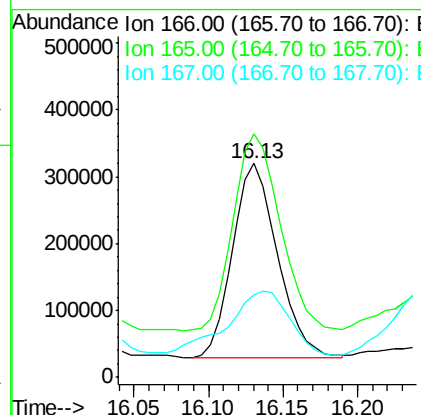
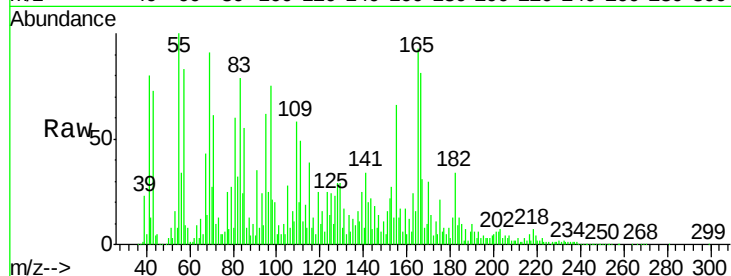
ClientSampled :

DAM46

Tot Ion:	166	Resp:	608633
Ion Ratio	Lower	Upper	
166	100		
165	114.0	78.4	117.6
167	38.4	11.1	16.7#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM



#68

Pentachlorophenol

Concen: 13907.877 ng/ul m

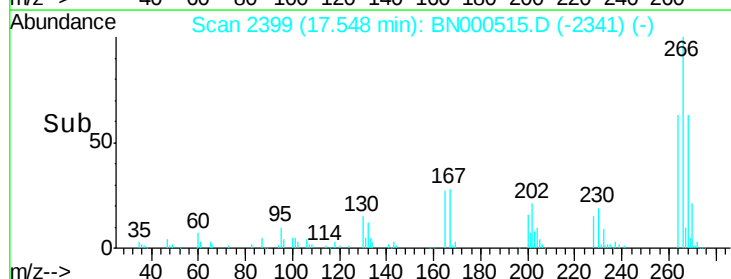
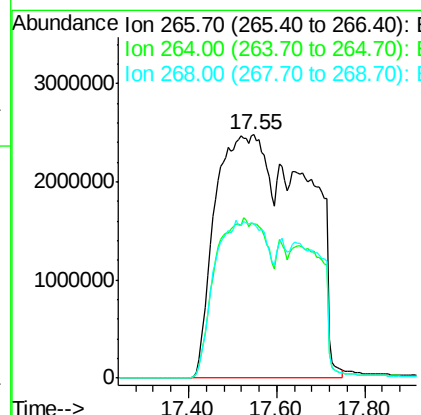
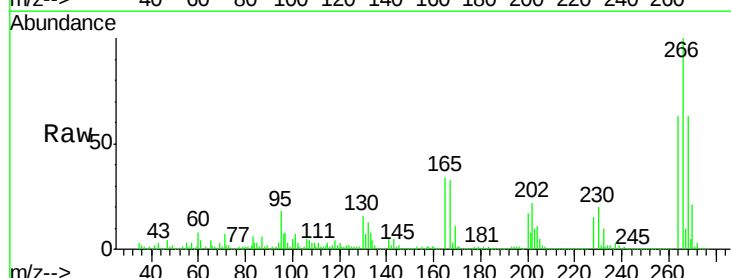
RT: 17.55 min Scan# 2399

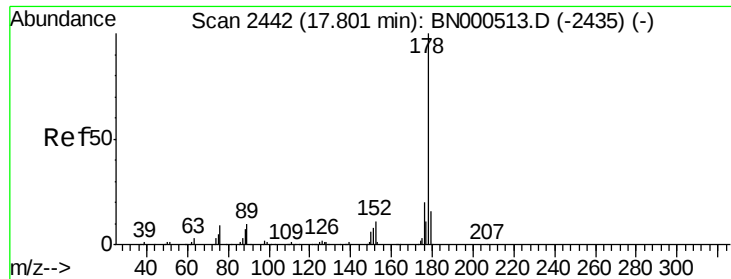
Delta R.T. 0.14 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:	266	Resp:	35608463
Ion Ratio	Lower	Upper	
266	100		
264	63.3	48.2	72.4
268	63.1	52.3	78.5





#69

Phenanthrene

Concen: 133.401 ng/ul

RT: 17.94 min Scan# 2465

Delta R.T. 0.14 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

DAM46

Tot Ion:178 Resp: 3463008

Ion Ratio Lower Upper

178 100

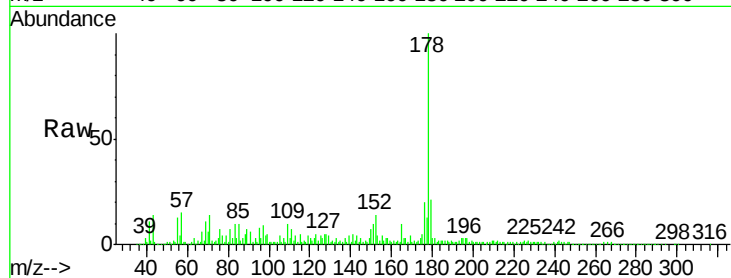
179 20.6 12.3 18.5#

176 20.2 15.4 23.0

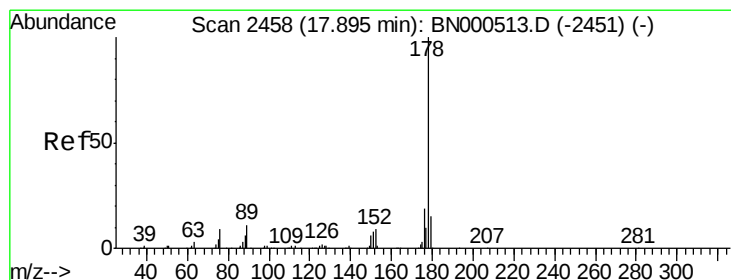
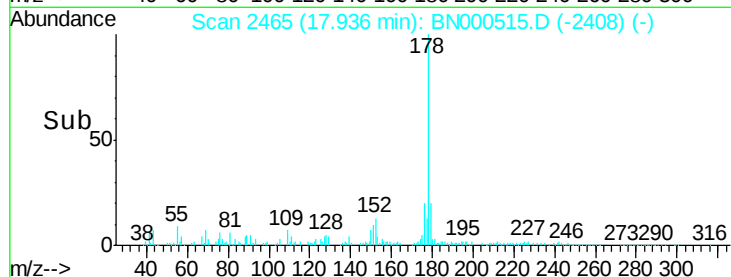
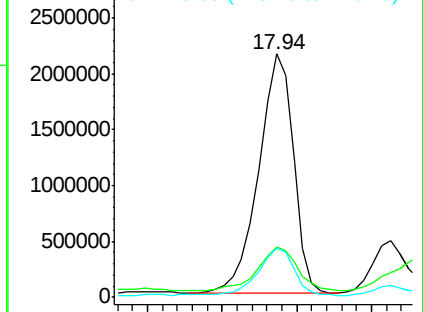
Manual Integrations
APPROVED

Sohil

3/22/2018 6:48:53 PM



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: 28.390 ng/ul m

RT: 18.01 min Scan# 2478

Delta R.T. 0.12 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

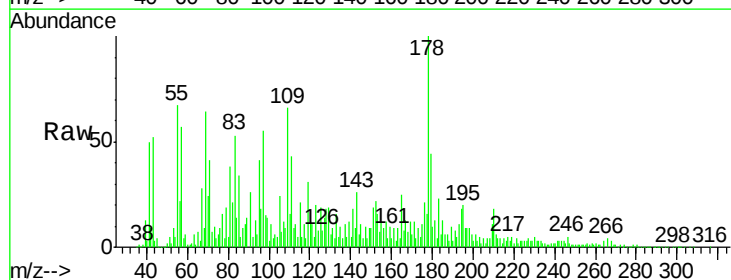
Tgt Ion:178 Resp: 755693

Ion Ratio Lower Upper

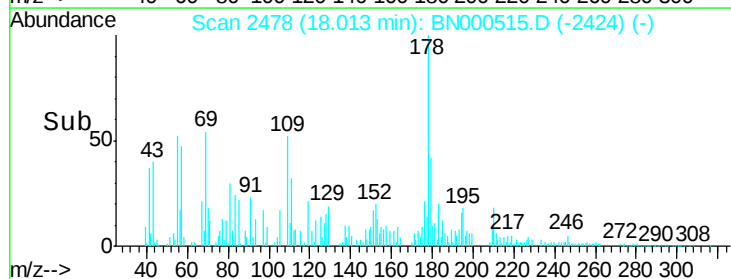
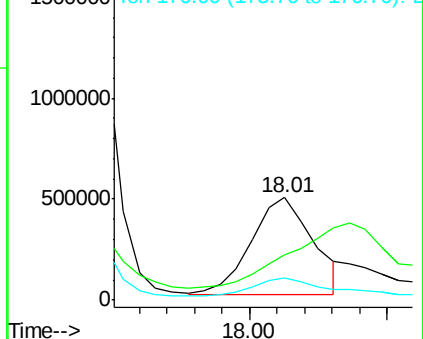
178 100

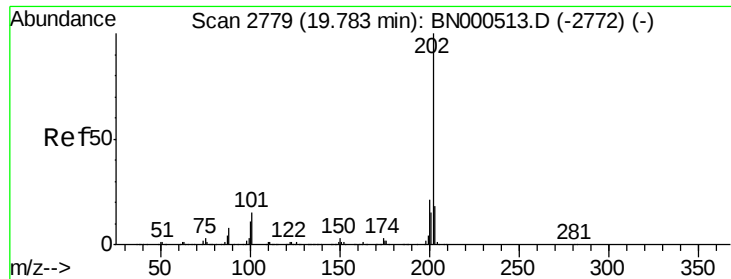
179 44.2 13.4 20.2#

176 21.2 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





#74

Fluoranthene

Concen: 102.393 ng/ul m

RT: 19.82 min Scan# 2786

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

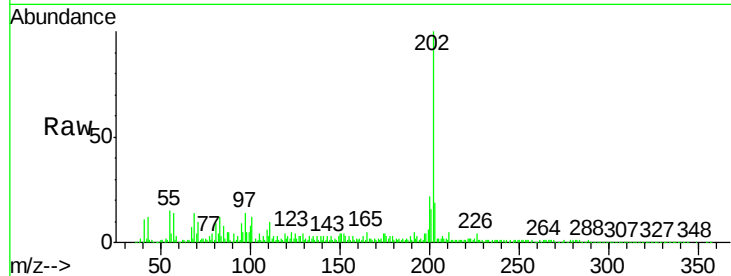
ClientSampleId :

DAM46

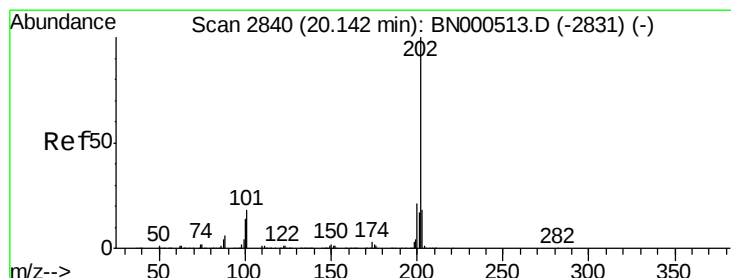
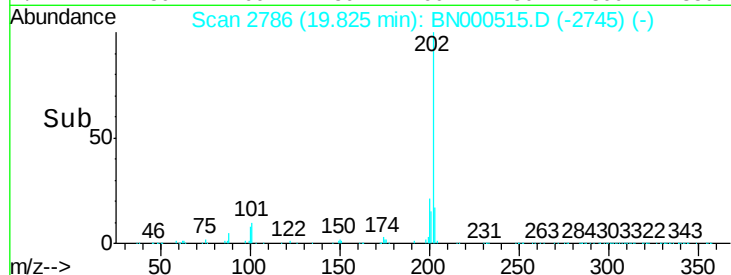
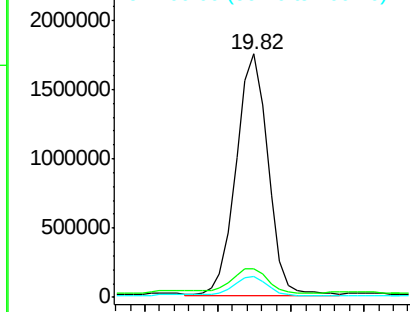
Tot Ion:	202	Resp:	2641306
Ion Ratio	Lower	Upper	
202	100		
101	11.8	6.1	9.1#
100	8.3	4.6	7.0#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 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): B



#77

Pyrene

Concen: 60.588 ng/ul m

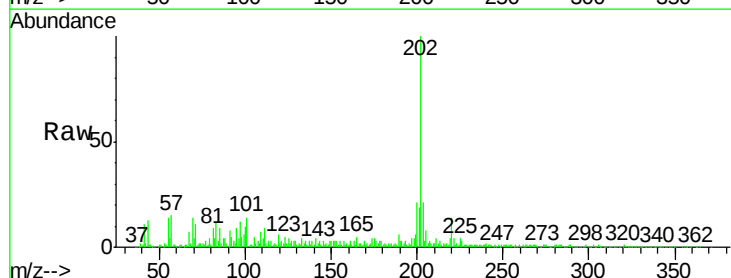
RT: 20.18 min Scan# 2846

Delta R.T. 0.04 min

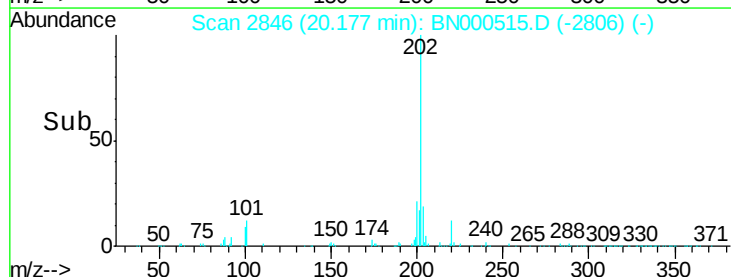
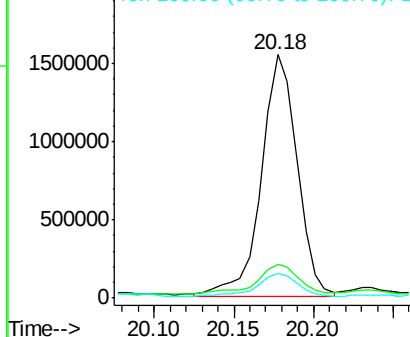
Lab File: BN000515.D

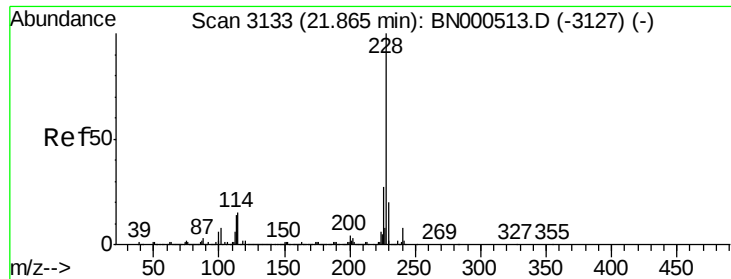
Acq: 21 Mar 2018 12:26

Tgt Ion:	202	Resp:	2403168
Ion Ratio	Lower	Upper	
202	100		
101	14.1	6.9	10.3#
100	10.2	5.6	8.4#



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





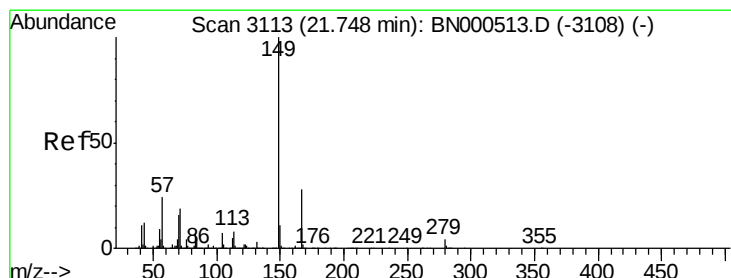
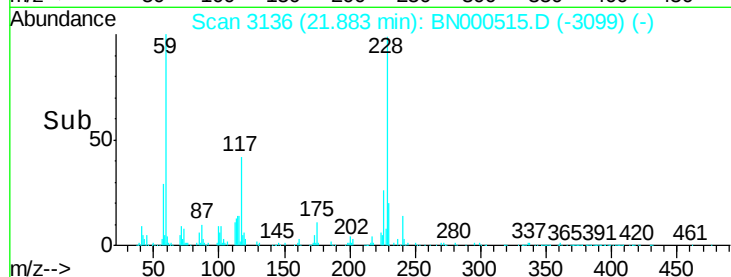
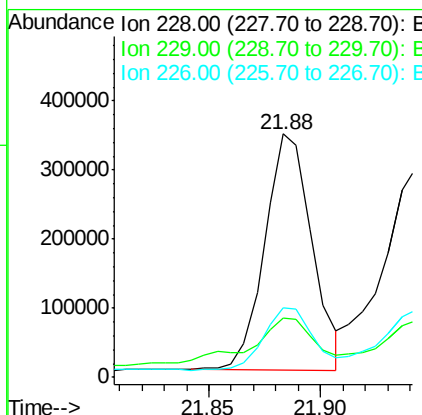
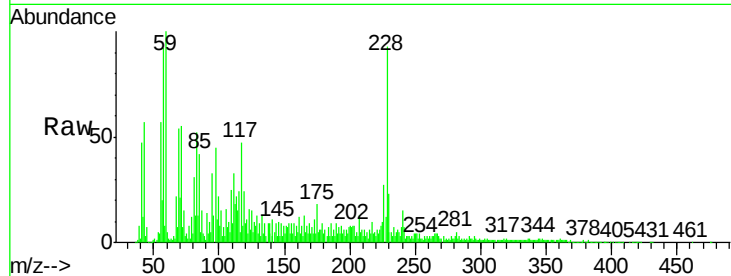
#80
Benzo(a)anthracene
Concen: 13.919 ng/ul m
RT: 21.88 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Instrument :
BNA_N
ClientSampleId :
DAM46

Tot Ion	Ratio	Lower	Upper
228	100		
229	24.6	16.0	24.0#
226	28.8	21.8	32.8

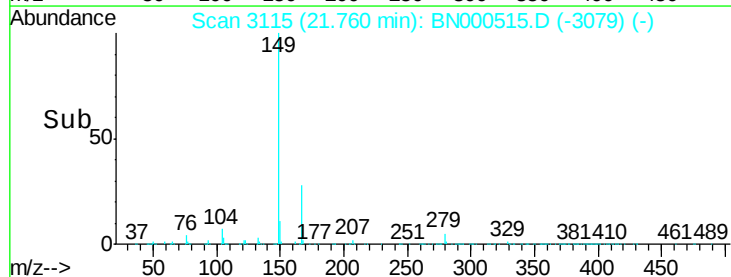
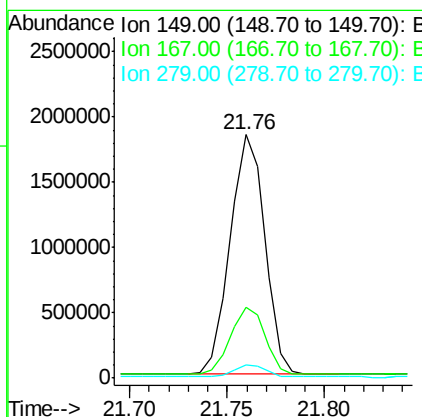
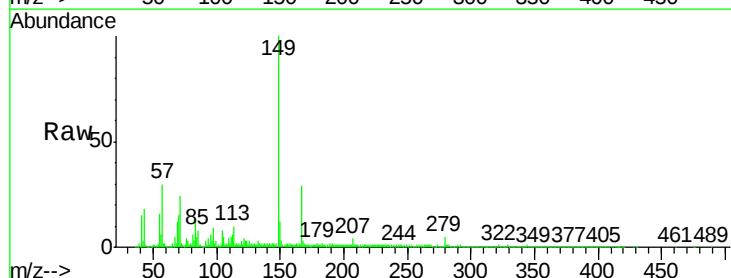
Manual Integrations
APPROVED

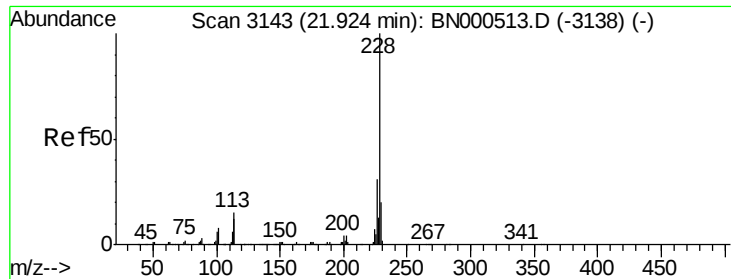
Sohil
3/22/2018 6:48:53 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 78.870 ng/ul
RT: 21.76 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BN000515.D
Acq: 21 Mar 2018 12:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.0	34.6
279	5.3	4.3	6.5





#82

Chrysene

Concen: 14.424 ng/ul m

RT: 21.94 min Scan# 3146

Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

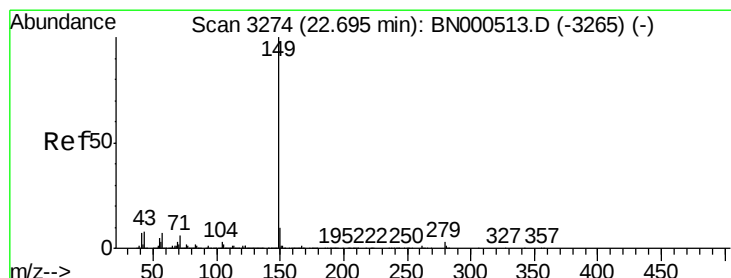
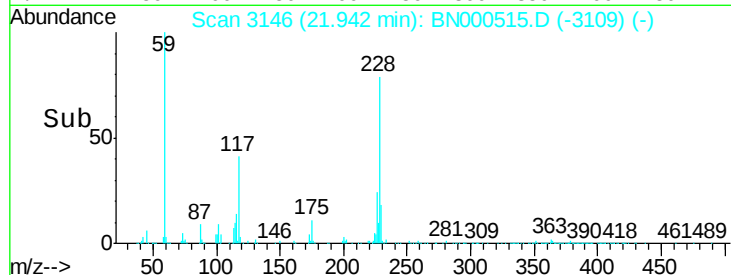
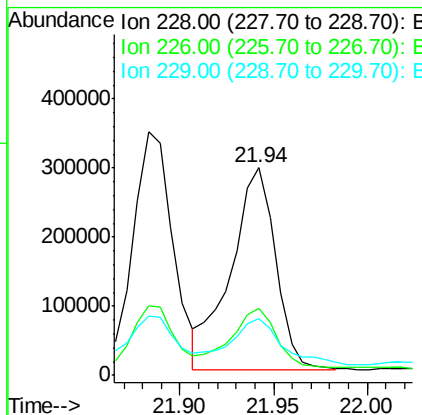
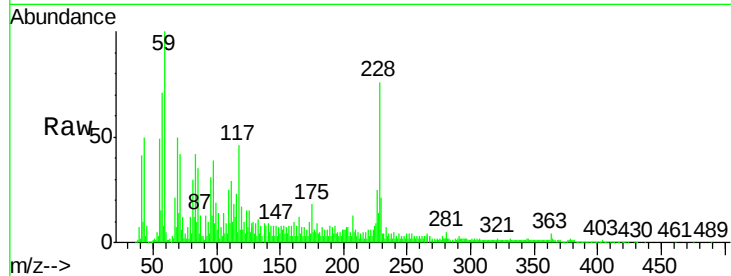
ClientSampled :

DAM46

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.1	36.1
229	27.4	16.0	24.0

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM



#84

Di-n-octyl phthalate

Concen: 20.978 ng/ul

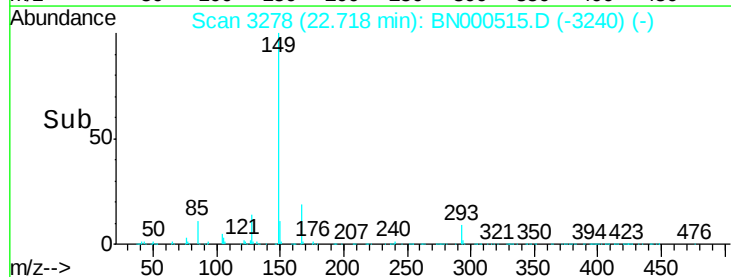
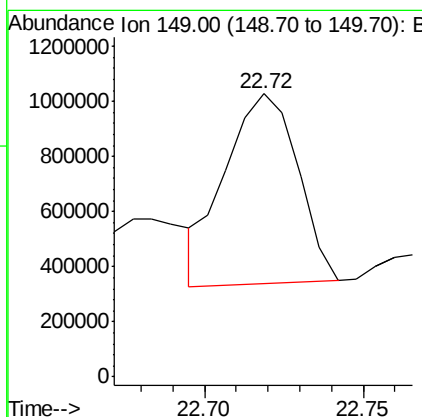
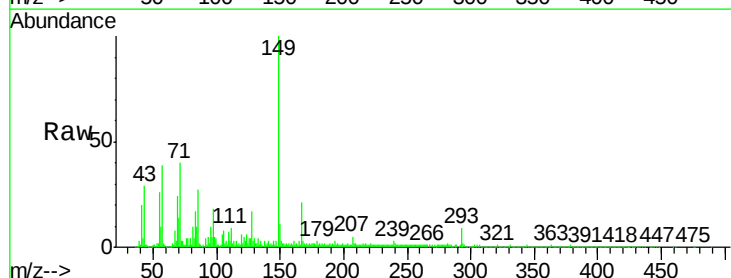
RT: 22.72 min Scan# 3278

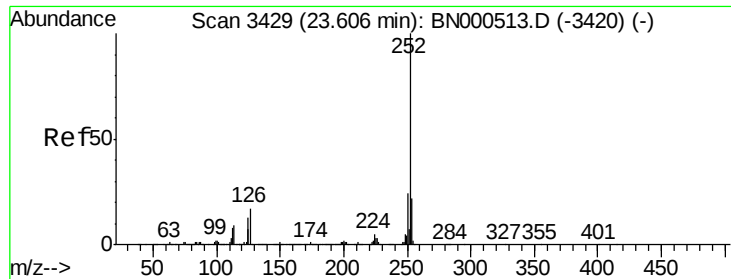
Delta R.T. 0.02 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:149 Resp: 1097049





#85

Benzo(b)fluoranthene

Concen: 9.726 ng/ul

RT: 23.64 min Scan# 3434

Delta R.T. 0.03 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

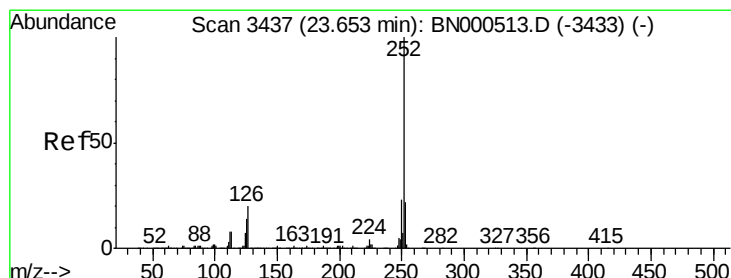
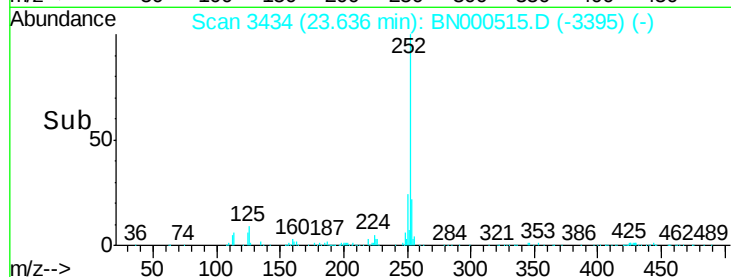
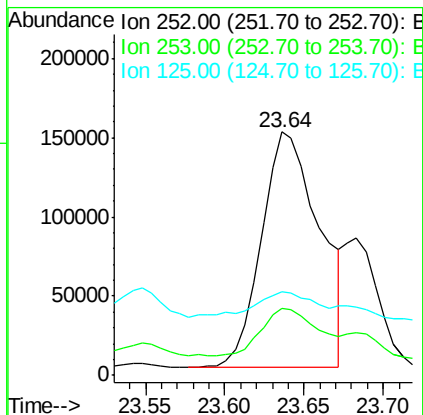
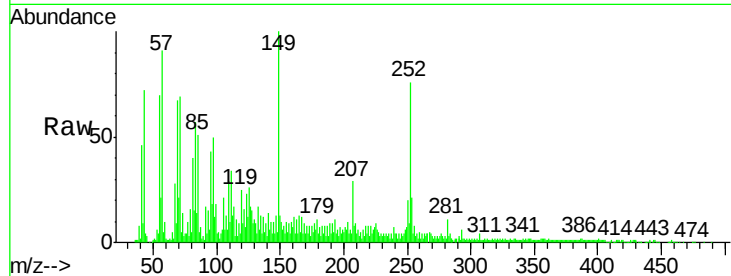
ClientSampled :

DAM46

Tot Ion:	252	Resp:	381802
Ion Ratio	Lower	Upper	
252	100		
253	27.6	17.4	26.0#
125	34.1	4.9	7.3#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM



#86

Benzo(k)fluoranthene

Concen: 3.251 ng/ul m

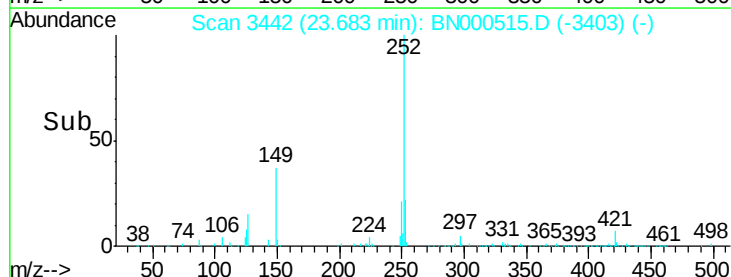
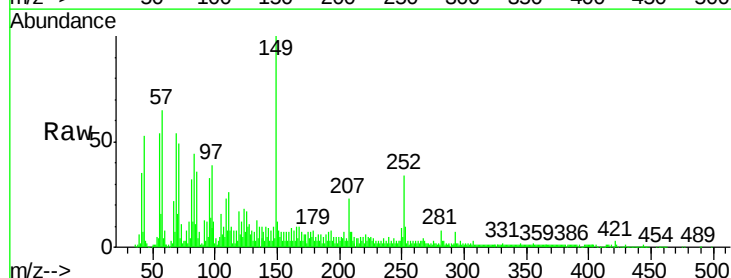
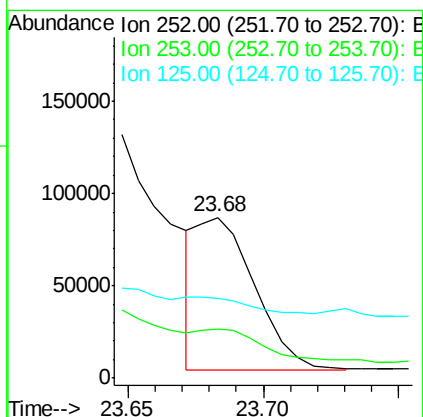
RT: 23.68 min Scan# 3442

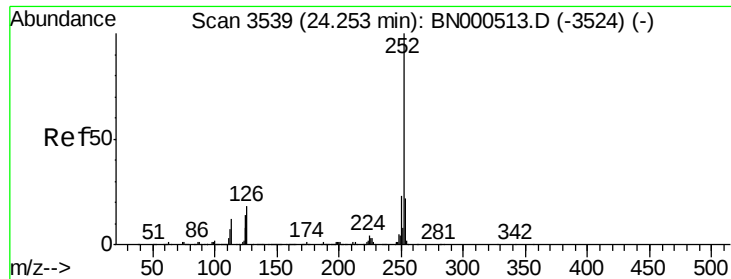
Delta R.T. 0.03 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:	252	Resp:	123208
Ion Ratio	Lower	Upper	
252	100		
253	30.7	17.1	25.7#
125	49.7	5.4	8.0#





#88

Benzo(a)pyrene

Concen: 6.497 ng/ul

RT: 24.29 min Scan# 3545

Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

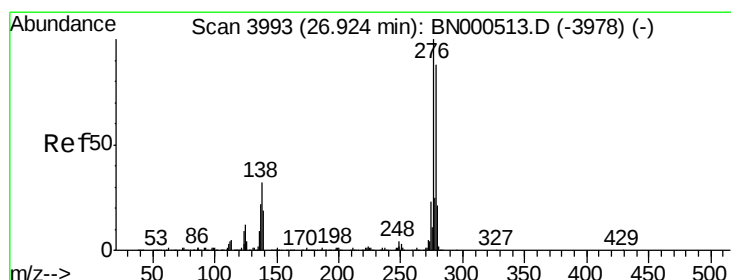
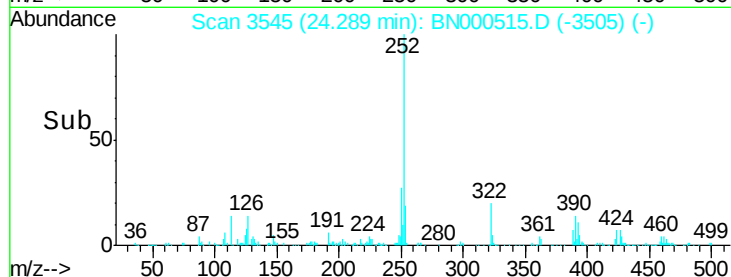
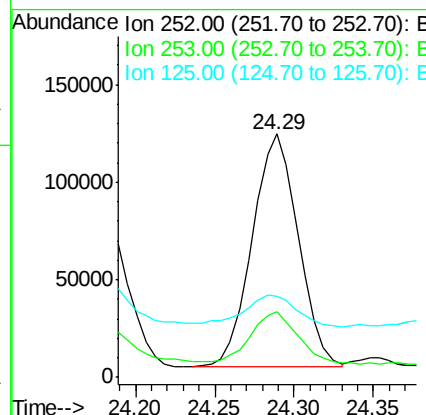
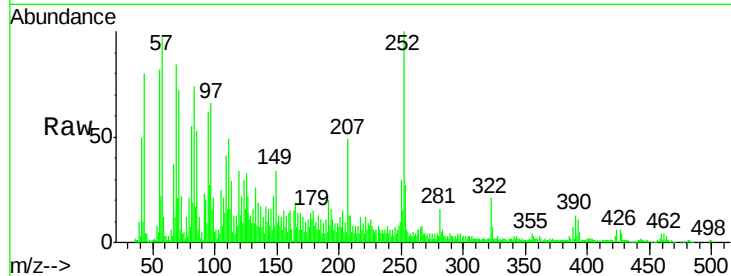
ClientSampled :

DAM46

Tot Ion:	252	Resp:	240055
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.2	25.8#
125	33.2	5.8	8.6#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.896 ng/ul

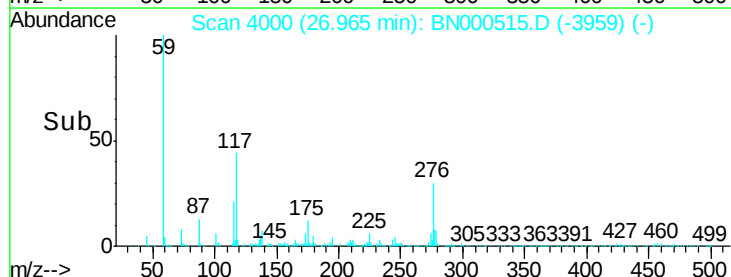
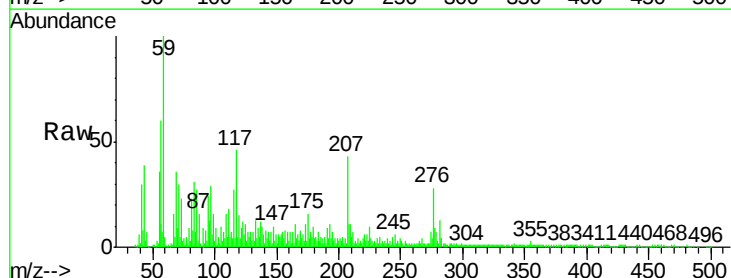
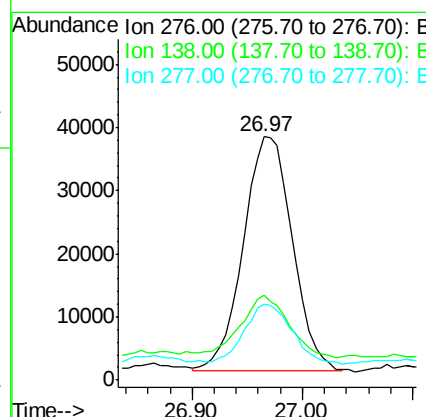
RT: 26.97 min Scan# 4000

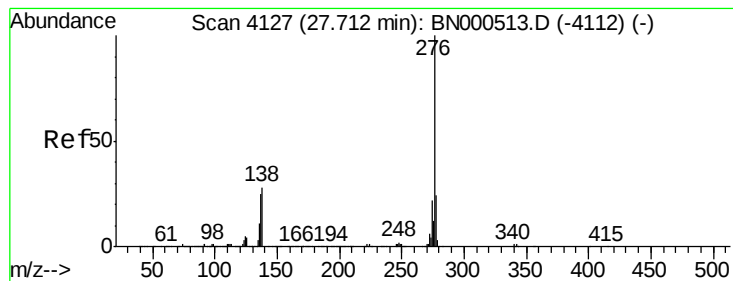
Delta R.T. 0.04 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Tgt Ion:	276	Resp:	115371
Ion Ratio	Lower	Upper	
276	100		
138	34.7	10.9	16.3#
277	31.1	18.9	28.3#





#91

Benzo(a,h,i)perylene

Concen: 3.099 ng/ul

RT: 27.76 min Scan# 4135

Delta R.T. 0.05 min

Lab File: BN000515.D

Acq: 21 Mar 2018 12:26

Instrument :

BNA_N

ClientSampleId :

DAM46

Tot Ion:	276	Resp:	102594
Ion Ratio	Lower	Upper	
276	100		
138	33.2	11.2	16.8#
277	29.5	19.0	28.6#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:48:53 PM

