

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
 Data File : BN000519.D
 Acq On : 21 Mar 2018 14:44
 Operator : JU/SJ
 Sample : J1905-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAM40

Manual Integrations
 APPROVED

Sohil
 3/22/2018 6:49:11 PM

Quant Time: Mar 23 11:56:14 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	8.45	152	158160	20.00	ng/ul	0.04
18) Naphthalene-d8	11.30	136	326781	20.00	ng/ul	0.04
35) Acenaphthene-d10	15.08	164	302971	20.00	ng/ul	0.04
61) Phenanthrene-d10	17.85	188	456020m	20.00	ng/ul	0.09
75) Chrysene-d12	21.91	240	493273m	20.00	ng/ul	0.02
83) Perylene-d12	24.40	264	546181	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	20559	4.64	ng/uL	0.00
5) Phenol-d5	7.61	99	138612	9.39	ng/ul	0.06
7) Bis-(2-Chloroethyl)ether-d	7.74	67	558083	65.57	ng/ul	0.02
9) 2-Chlorophenol-d4	7.98	132	21300	1.91	ng/ul	0.04
13) 4-Methylphenol-d8	9.24	113	41147m	3.58	ng/ul	0.12
19) Nitrobenzene-d5	9.65	128	52878m	19.92	ng/ul	0.06
22) 2-Nitrophenol-d4	10.41	143	222481m	80.92	ng/ul	0.08
26) 2,4-Dichlorophenol-d3	10.92	165	13171	2.67	ng/ul	0.05
29) 4-Chloroaniline-d4	11.40	131	693149	137.02	ng/ul	0.01
43) Dimethylphthalate-d6	14.46	166	47593	1.99	ng/ul	0.04
46) Acenaphthylene-d8	14.78	160	54879	1.74	ng/ul	0.05
51) 4-Nitrophenol-d4	15.29	143	181343	40.80	ng/ul	0.07
57) Fluorene-d10	16.08	176	69820	3.42	ng/ul	0.06
62) 4,6-Dinitro-2-methylphenol	16.21	200	66378m	25.42	ng/ul	0.08
70) Anthracene-d10	17.94	188	30608	1.40	ng/ul	0.08
76) Pyrene-d10	20.15	212	56540	2.08	ng/ul	0.04
87) Benzo(a)pyrene-d12	24.24	264	35318	1.37	ng/ul	0.03

Target Compounds

					Ovalue	
21) Isophorone	10.21	82	777840	62.281	ng/ul#	11
24) 2,4-Dimethylphenol	10.50	107	276215m	43.363	ng/ul	
28) Naphthalene	11.35	128	4227824	246.368	ng/ul#	95
34) 2-Methylnaphthalene	12.95	142	6242390	544.851	ng/ul	99
38) 2,4,6-Trichlorophenol	13.55	196	50433	8.169	ng/ul	91
39) 2,4,5-Trichlorophenol	13.64	196	50514m	7.847	ng/ul	
40) 1,1'-Biphenyl	13.91	154	697092	27.028	ng/ul	94
49) Acenaphthene	15.14	153	368186	17.457	ng/ul#	77
55) 2,3,4,6-Tetrachlorophenol	15.75	232	5209461m	1059.696	ng/ul	
58) Fluorene	16.13	166	612824	26.920	ng/ul#	78
68) Pentachlorophenol	17.51	266	23311855m	8996.976	ng/ul	
69) Phenanthrene	17.90	178	2184814m	83.164	ng/ul	
71) Anthracene	17.98	178	206502	7.666	ng/ul#	60
74) Fluoranthene	19.82	202	758376	29.050	ng/ul#	81
77) Pyrene	20.18	202	783823	21.756	ng/ul#	80
80) Benzo(a)anthracene	21.89	228	204774m	6.231	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.76	149	554482	21.342	ng/ul	97
82) Chrysene	21.94	228	214697m	6.968	ng/ul	
84) Di-n-octyl phthalate	22.72	149	787301	17.126	ng/ul	100
85) Benzo(b)fluoranthene	23.64	252	194159	5.626	ng/ul#	58
86) Benzo(k)fluoranthene	23.68	252	71522m	2.147	ng/ul	
88) Benzo(a)pyrene	24.29	252	135187	4.162	ng/ul#	56
89) Indeno(1,2,3-cd)pyrene	26.98	276	75131	2.145	ng/ul#	69

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
Data File : BN000519.D
Acq On : 21 Mar 2018 14:44
Operator : JU/SJ
Sample : J1905-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DAM40

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:11 PM

Quant Time: Mar 23 11:56:14 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)
91) Benzo(q,h,i)perylene	27.77	276	67386	2.315	ng/ul#	68

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

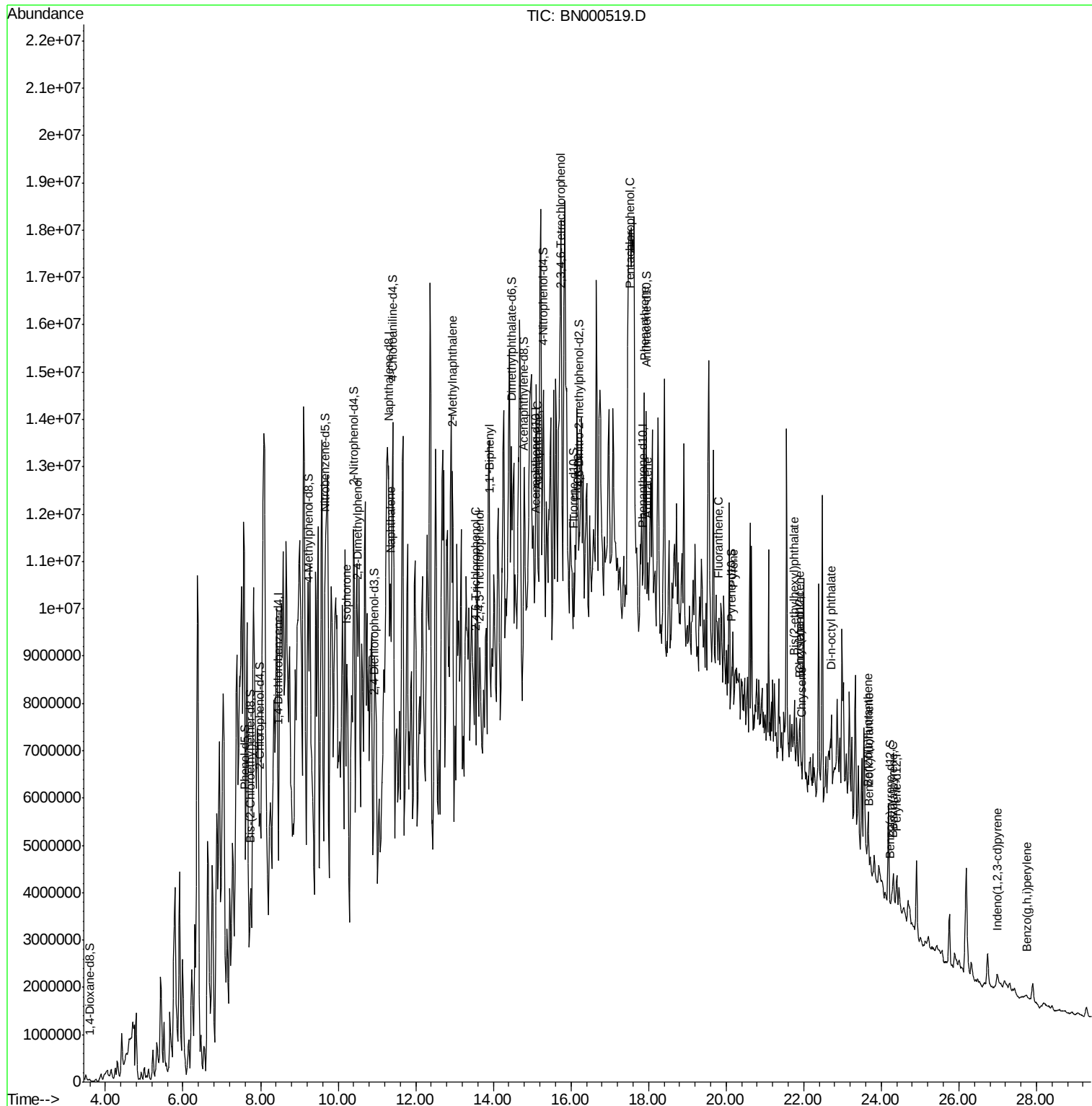
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032118\
Data File : BN000519.D
Acq On : 21 Mar 2018 14:44
Operator : JU/SJ
Sample : J1905-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

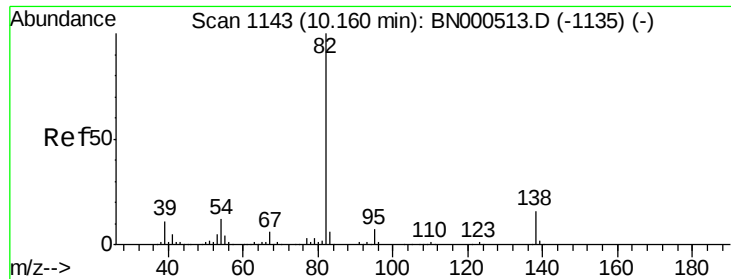
Instrument :
BNA_N
ClientSampled :
DAM40

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:11 PM

Quant Time: Mar 23 11:56:14 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





#21

Isophorone

Concen: 62.281 ng/ul

RT: 10.21 min Scan# 1152

Delta R.T. 0.05 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

ClientSampled :

DAM40

Tot Ion: 82 Resp: 777840

Ion Ratio Lower Upper

82 100

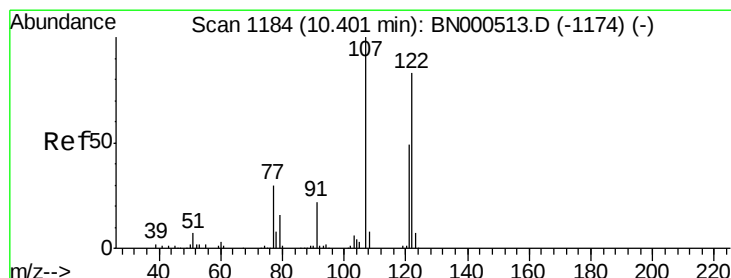
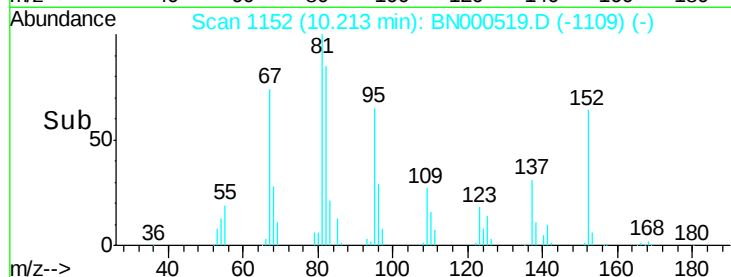
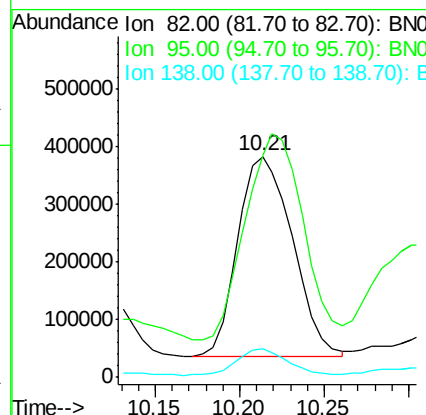
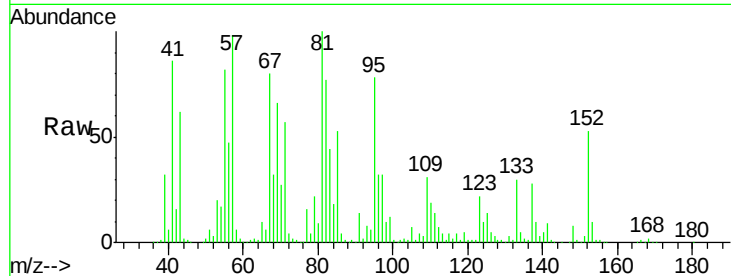
95 100.5 6.1 9.1#

138 12.9 13.5 20.3#

Manual Integrations
APPROVED

Sohil

3/22/2018 6:49:11 PM



#24

2,4-Dimethylphenol

Concen: 43.363 ng/ul m

RT: 10.50 min Scan# 1201

Delta R.T. 0.10 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

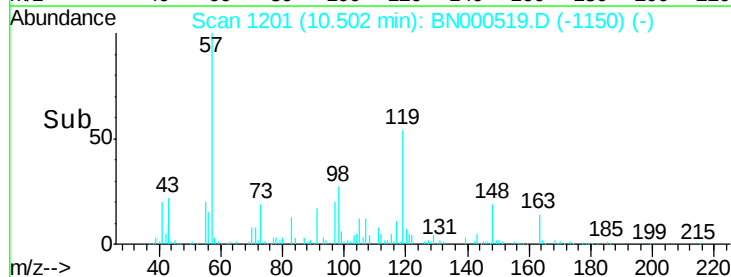
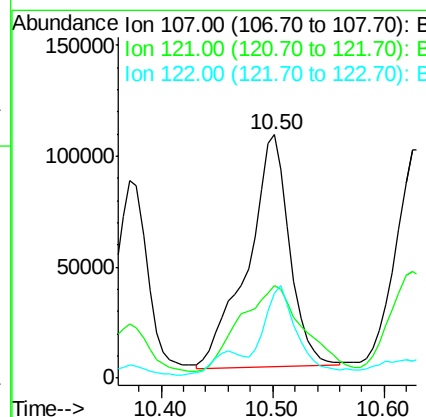
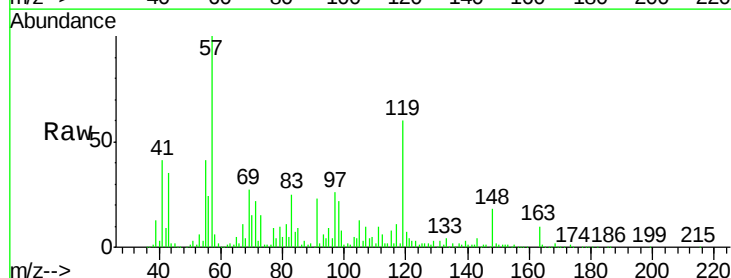
Tgt Ion: 107 Resp: 276215

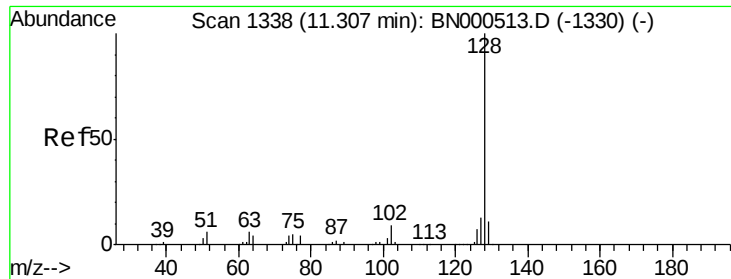
Ion Ratio Lower Upper

107 100

121 38.3 38.1 57.1

122 35.1 63.8 95.8#





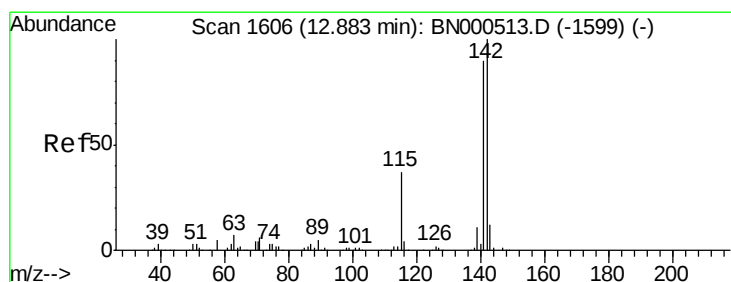
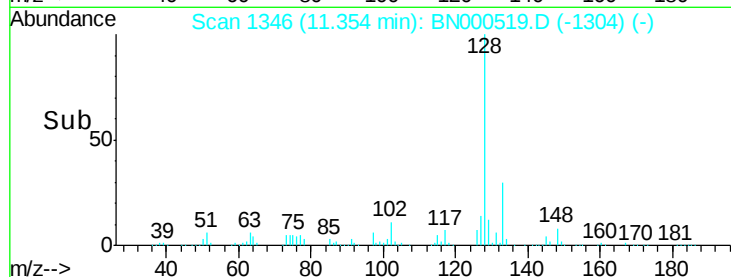
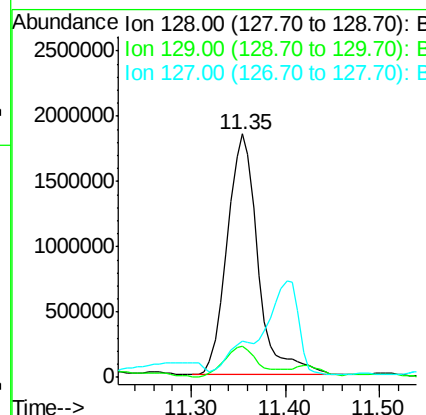
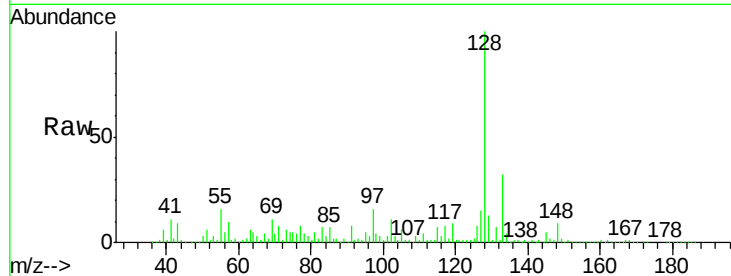
#28
Naphthalene
Concen: 246.368 ng/ul
RT: 11.35 min Scan# 1346
Delta R.T. 0.05 min
Lab File: BN000519.D
Acq: 21 Mar 2018 14:44

Instrument :
BNA_N
ClientSampled :
DAM40

Tot Ion:128 Resp: 4227824
Ion Ratio Lower Upper
128 100
129 12.6 8.3 12.5#
127 15.0 10.8 16.2

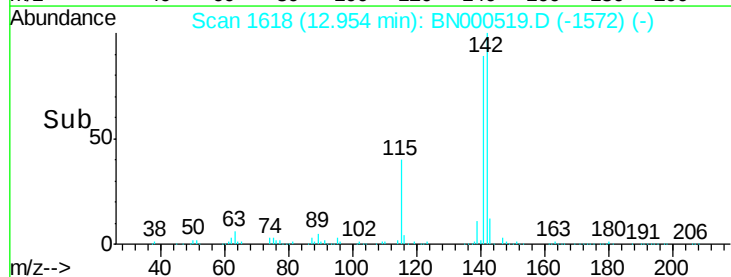
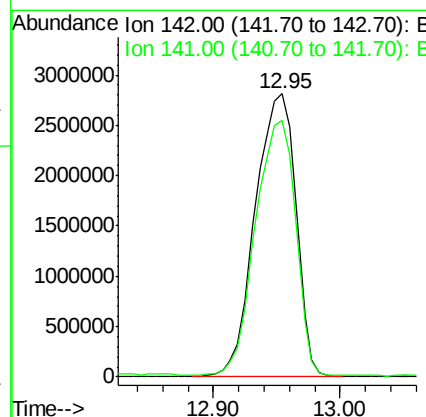
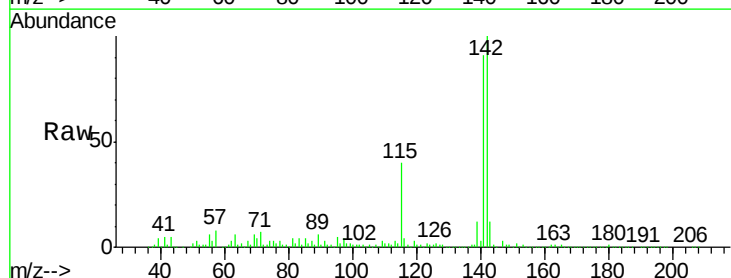
Manual Integrations
APPROVED

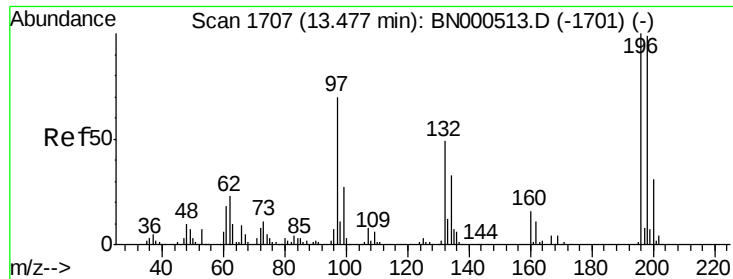
Sohil
3/22/2018 6:49:11 PM



#34
2-Methylnaphthalene
Concen: 544.851 ng/ul
RT: 12.95 min Scan# 1618
Delta R.T. 0.07 min
Lab File: BN000519.D
Acq: 21 Mar 2018 14:44

Tgt Ion:142 Resp: 6242390
Ion Ratio Lower Upper
142 100
141 90.5 71.4 107.2





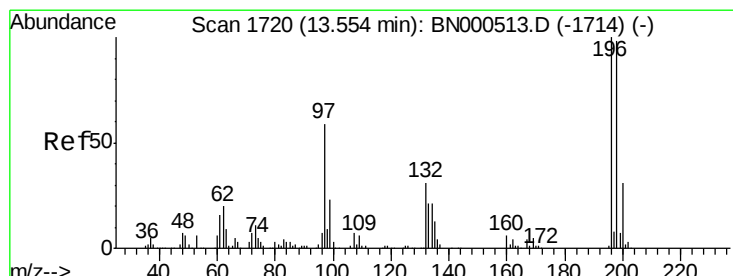
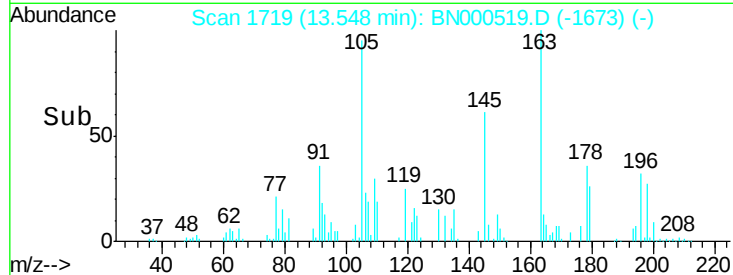
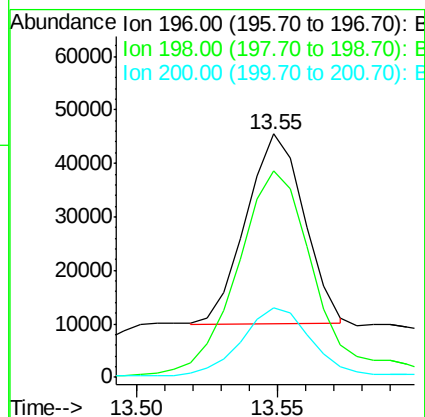
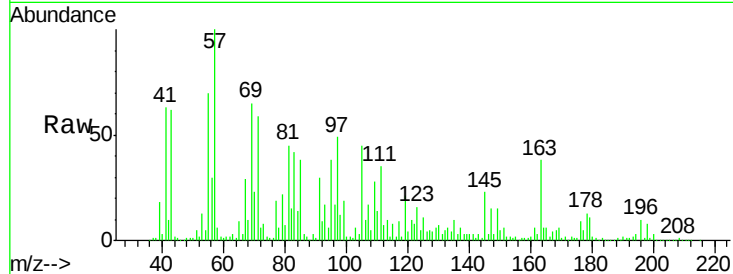
#38
 2,4,6-Trichlorophenol
 Concen: 8.169 ng/ul
 RT: 13.55 min Scan# 1719
 Delta R.T. 0.07 min
 Lab File: BN000519.D
 Acq: 21 Mar 2018 14:44

Instrument :
 BNA_N
 ClientSampled :
 DAM40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		50433		
198	84.9	75.9	113.9		
200	28.5	25.8	38.6		

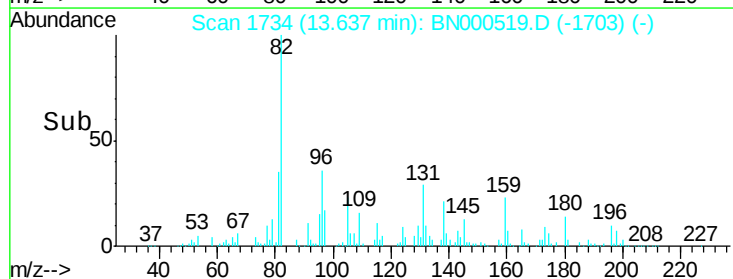
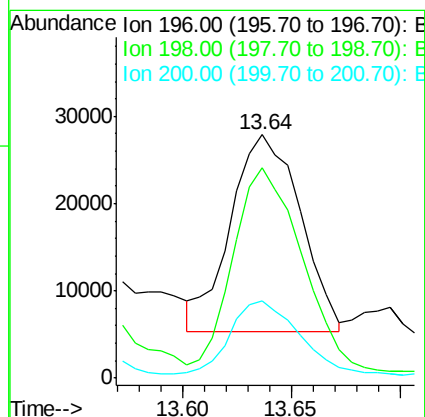
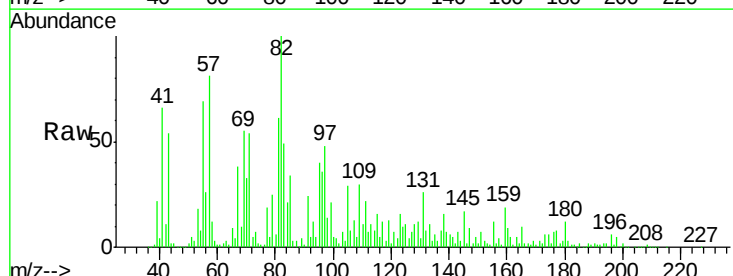
Manual Integrations
 APPROVED

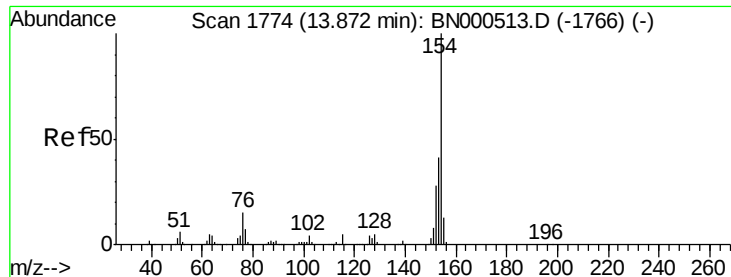
Sohil
 3/22/2018 6:49:11 PM



#39
 2,4,5-Trichlorophenol
 Concen: 7.847 ng/ul m
 RT: 13.64 min Scan# 1734
 Delta R.T. 0.08 min
 Lab File: BN000519.D
 Acq: 21 Mar 2018 14:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
196	100		50514		
198	86.2	74.7	112.1		
200	31.6	25.4	38.0		





#40

1,1'-Biphenyl

Concen: 27.028 ng/ul

RT: 13.91 min Scan# 1781

Delta R.T. 0.04 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

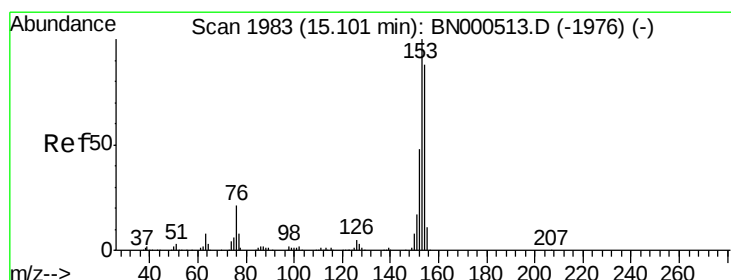
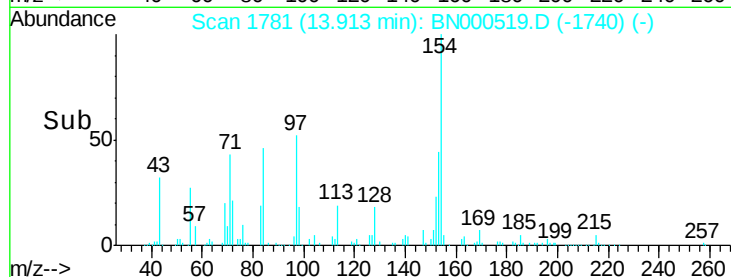
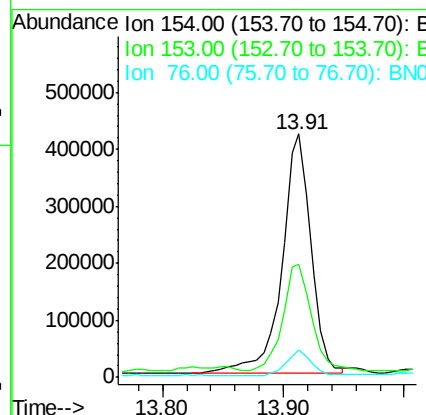
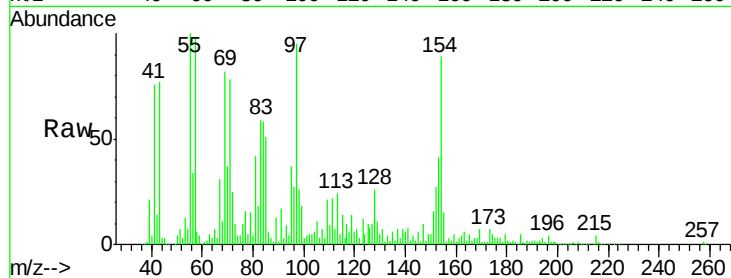
ClientSampled :

DAM40

Tot Ion:	154	Resp:	697092
Ion Ratio	Lower	Upper	
154	100		
153	46.6	34.0	51.0
76	11.3	8.4	12.6

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:11 PM



#49

Acenaphthene

Concen: 17.457 ng/ul

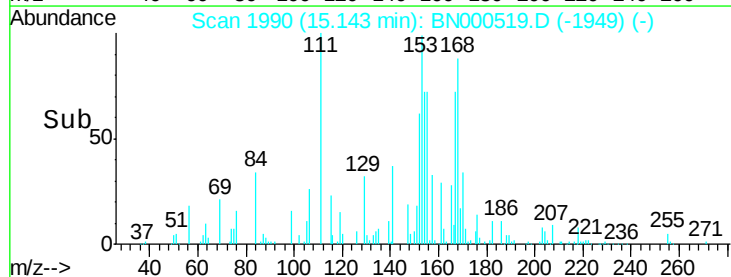
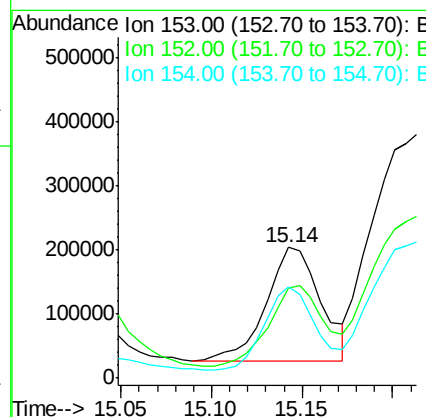
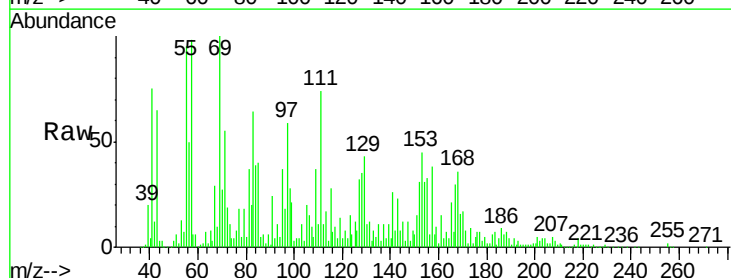
RT: 15.14 min Scan# 1990

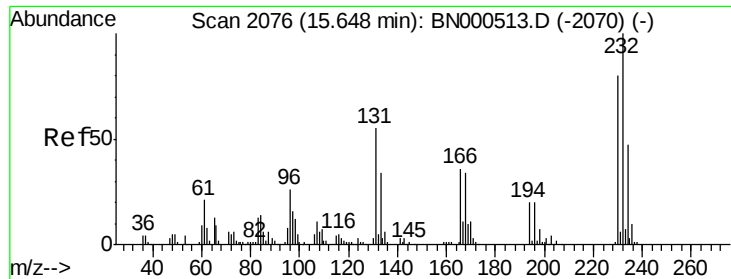
Delta R.T. 0.04 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Tgt Ion:	153	Resp:	368186
Ion Ratio	Lower	Upper	
153	100		
152	68.6	37.9	56.9#
154	70.0	69.8	104.6





#55

2,3,4,6-Tetrachlorophenol

Concen: 1059.696 ng/ul m

RT: 15.75 min Scan# 2093

Delta R.T. 0.10 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

ClientSampled :

DAM40

Tot Ion:232 Resp: 5209461

Ion Ratio Lower Upper

232 100

131 36.8 48.0 72.0#

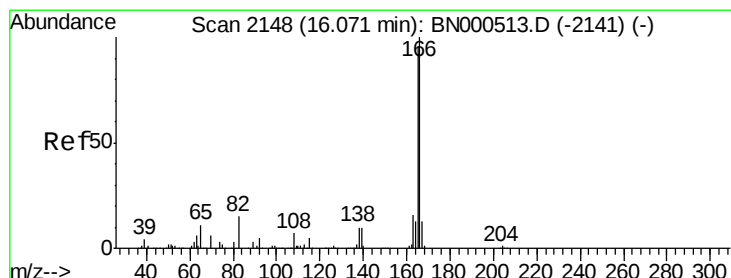
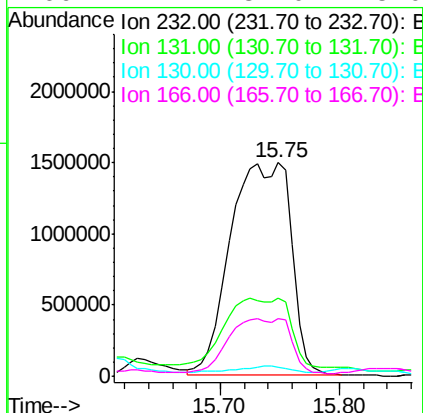
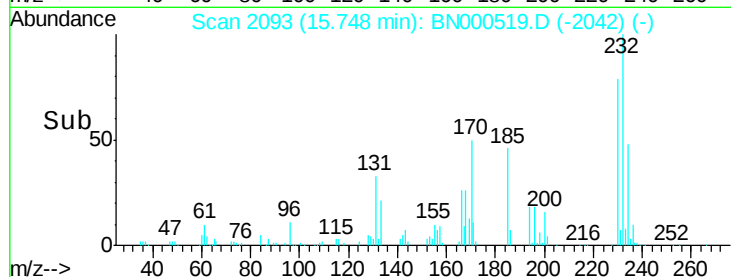
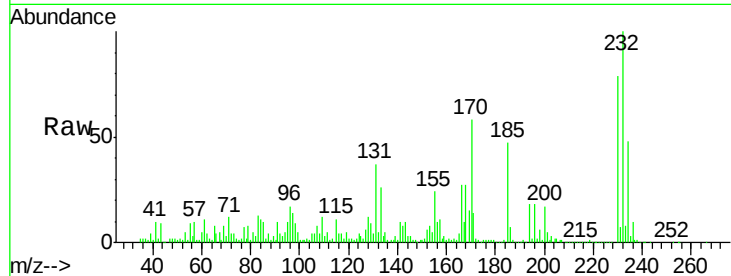
130 4.1 4.0 6.0

166 27.2 32.0 48.0#

Manual Integrations
APPROVED

Sohil

3/22/2018 6:49:11 PM



#58

Fluorene

Concen: 26.920 ng/ul

RT: 16.13 min Scan# 2158

Delta R.T. 0.06 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

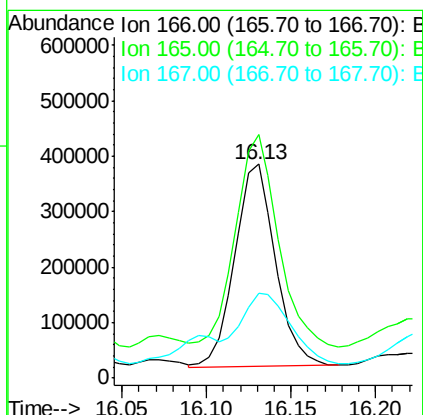
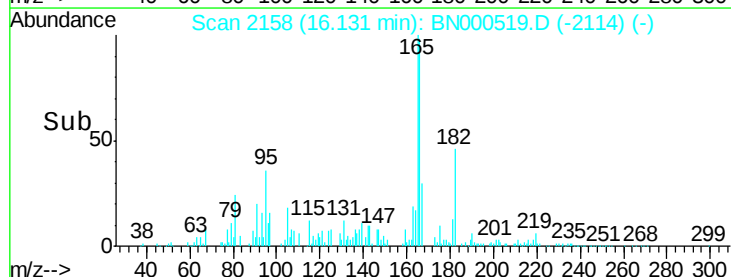
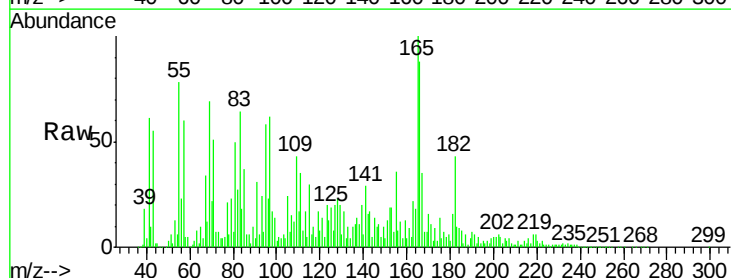
Tgt Ion:166 Resp: 612824

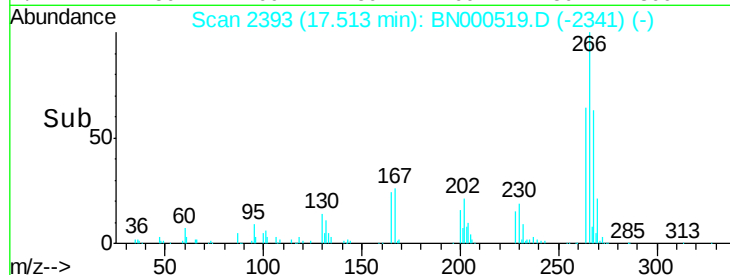
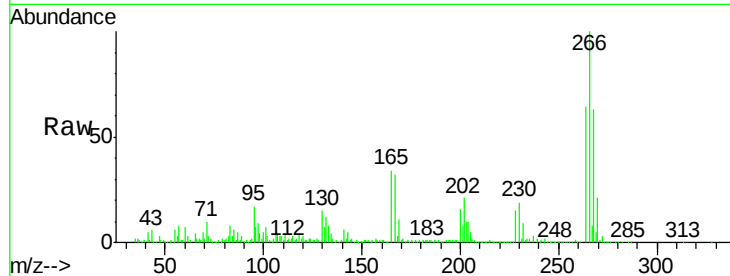
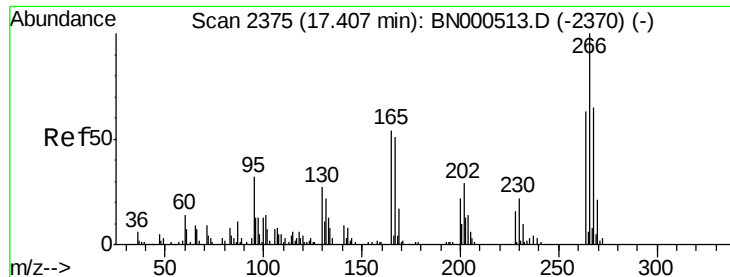
Ion Ratio Lower Upper

166 100

165 113.8 78.4 117.6

167 39.5 11.1 16.7#





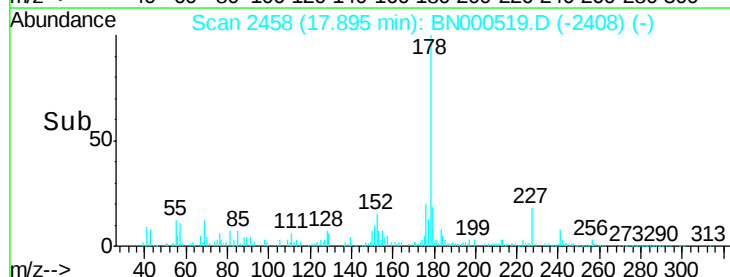
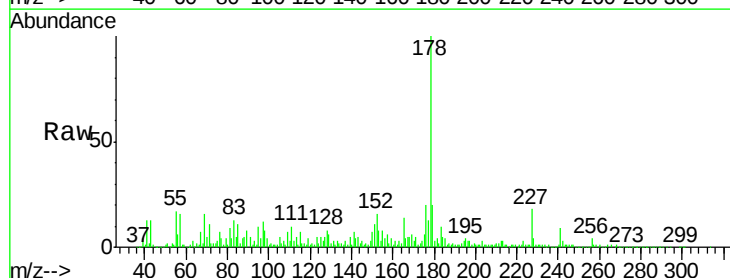
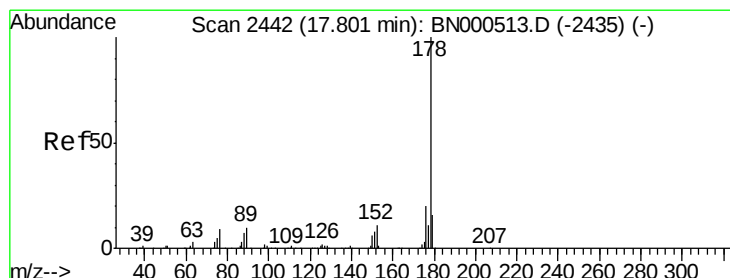
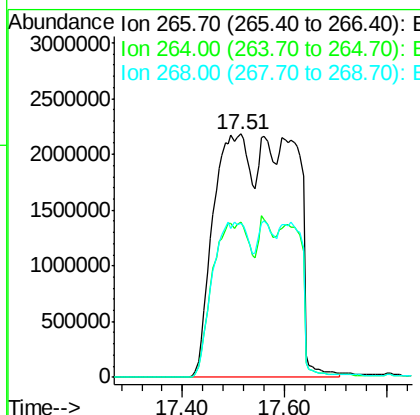
#68
 Pentachlorophenol
 Concen: 8996.976 ng/ul m
 RT: 17.51 min Scan# 2393
 Delta R.T. 0.11 min
 Lab File: BN000519.D
 Acq: 21 Mar 2018 14:44

Tot Ion:266 Resp:23311855
 Ion Ratio Lower Upper
 266 100
 264 63.7 48.2 72.4
 268 63.0 52.3 78.5

Instrument :
 BNA_N
 ClientSampleID :
 DAM40

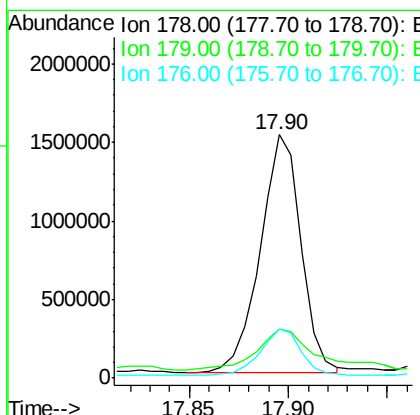
Manual Integrations
 APPROVED

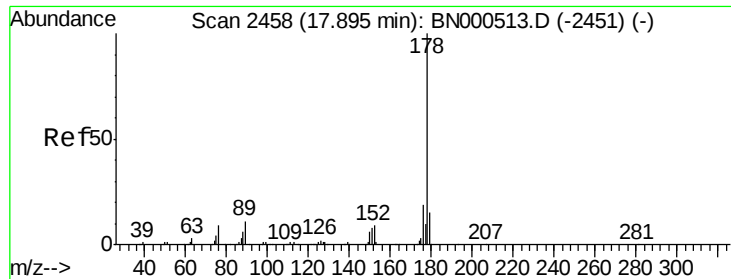
Sohil
 3/22/2018 6:49:11 PM



#69
 Phenanthrene
 Concen: 83.164 ng/ul m
 RT: 17.90 min Scan# 2458
 Delta R.T. 0.09 min
 Lab File: BN000519.D
 Acq: 21 Mar 2018 14:44

Tgt Ion:178 Resp: 2184814
 Ion Ratio Lower Upper
 178 100
 179 20.2 12.3 18.5#
 176 20.3 15.4 23.0





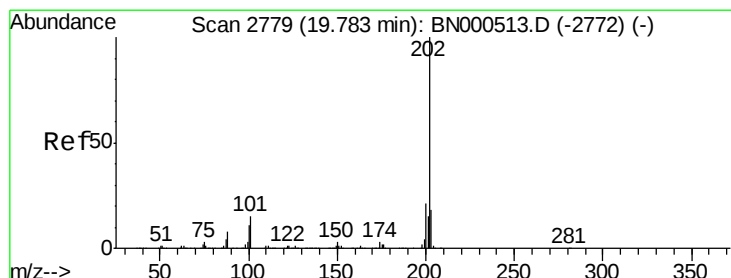
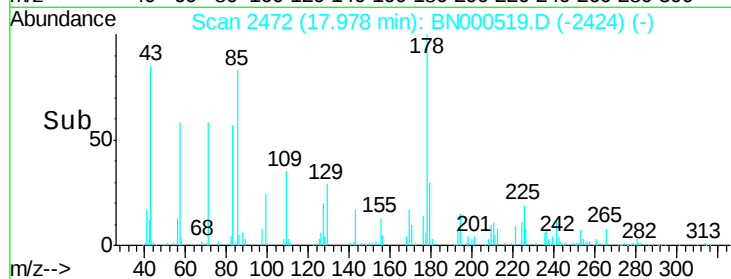
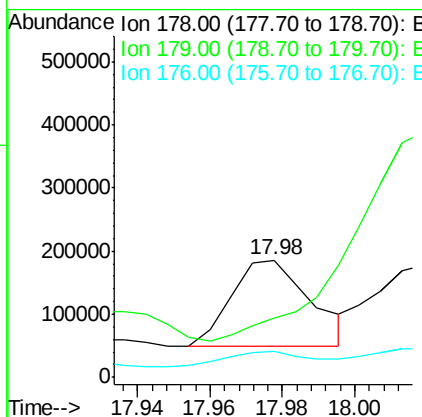
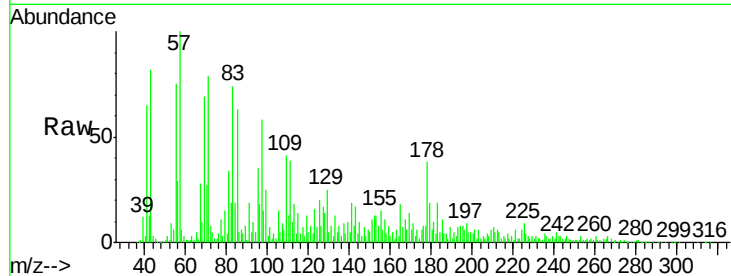
#71
 Anthracene
 Concen: 7.666 ng/ul
 RT: 17.98 min Scan# 2472
 Delta R.T. 0.08 min
 Lab File: BN000519.D
 Acq: 21 Mar 2018 14:44

Instrument :
 BNA_N
 ClientSampled :
 DAM40

Tot Ion	Ratio	Lower	Upper
178	100		
179	50.9	13.4	20.2#
176	22.1	15.4	23.0

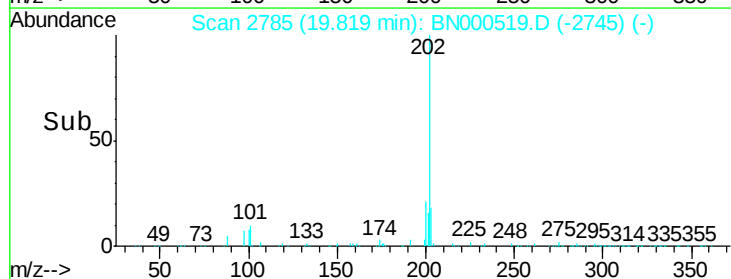
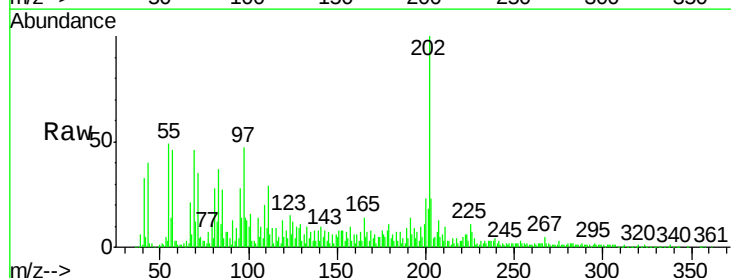
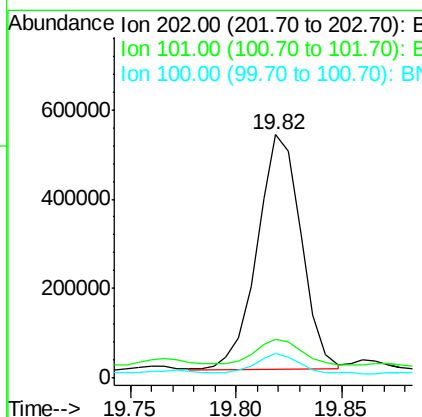
Manual Integrations
 APPROVED

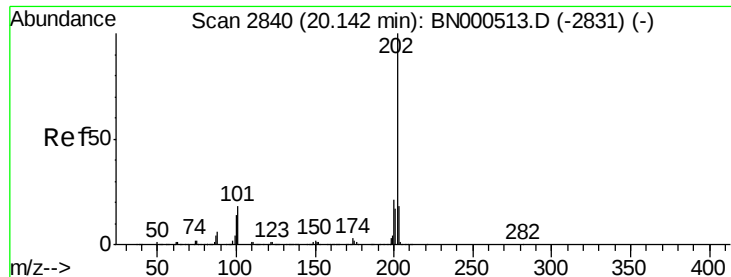
Sohil
 3/22/2018 6:49:11 PM



#74
 Fluoranthene
 Concen: 29.050 ng/ul
 RT: 19.82 min Scan# 2785
 Delta R.T. 0.04 min
 Lab File: BN000519.D
 Acq: 21 Mar 2018 14:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	6.1	9.1#
100	10.1	4.6	7.0#





#77

Pvrene

Concen: 21.756 ng/ul

RT: 20.18 min Scan# 2846

Delta R.T. 0.04 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

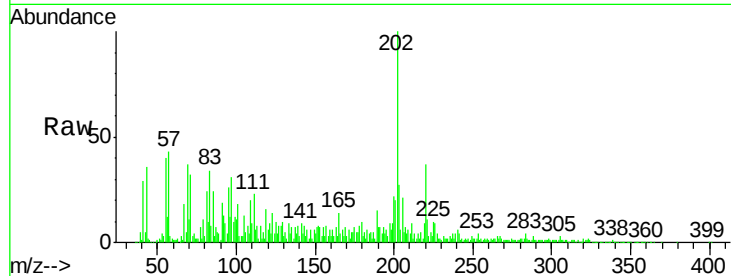
ClientSampled :

DAM40

Tot Ion:	202	Resp:	783823
Ion Ratio	Lower	Upper	
202	100		
101	18.2	6.9	10.3#
100	11.3	5.6	8.4#

Manual Integrations
APPROVED

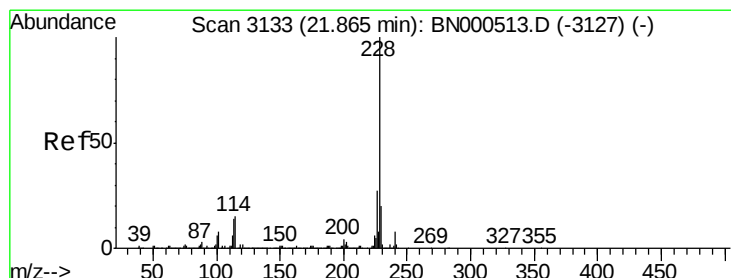
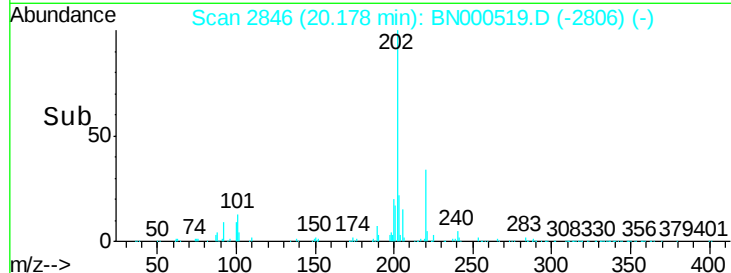
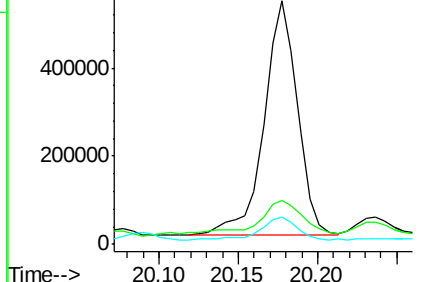
Sohil
3/22/2018 6:49:11 PM



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: 6.231 ng/ul m

RT: 21.89 min Scan# 3137

Delta R.T. 0.02 min

Lab File: BN000519.D

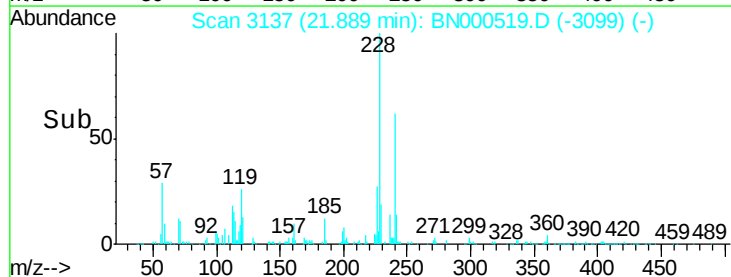
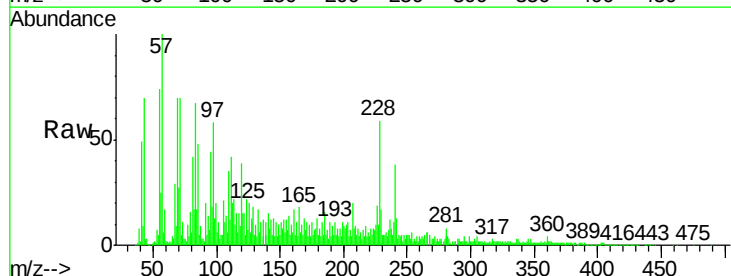
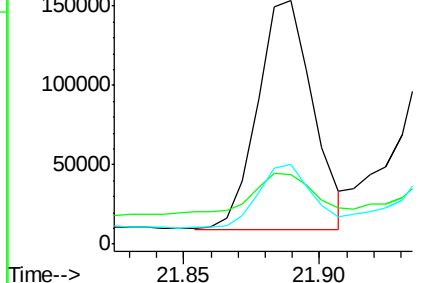
Acq: 21 Mar 2018 14:44

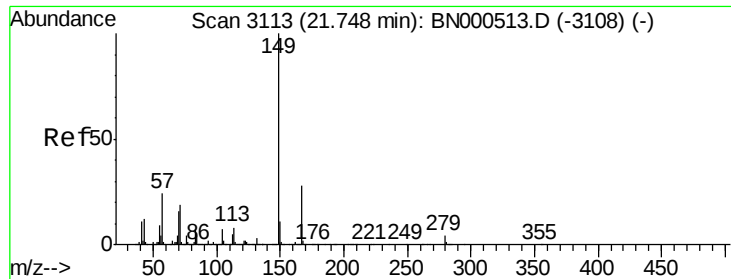
Tgt Ion:	228	Resp:	204774
Ion Ratio	Lower	Upper	
228	100		
229	28.6	16.0	24.0#
226	32.7	21.8	32.8

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: 21.342 ng/ul

RT: 21.76 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

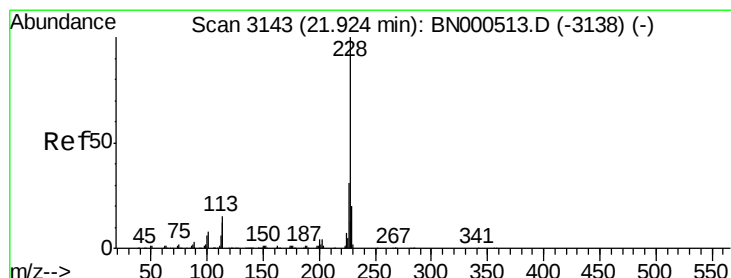
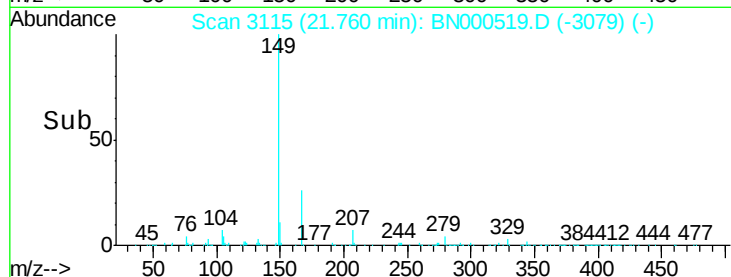
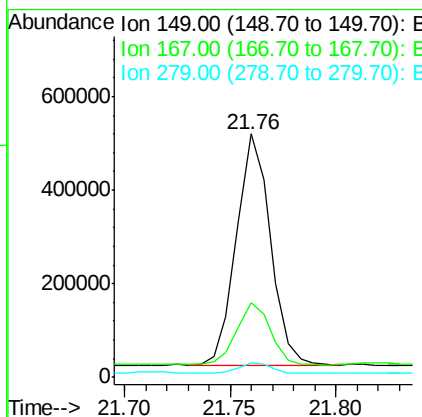
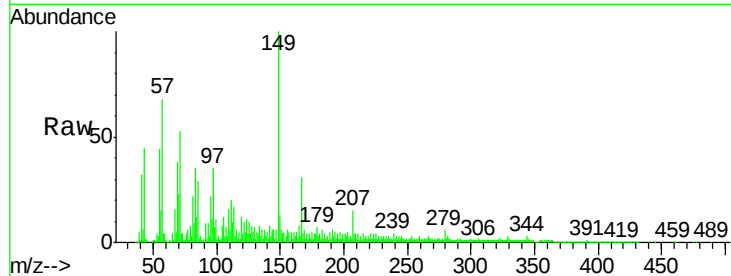
ClientSampled :

DAM40

Tot Ion:	149	Resp:	554482
Ion Ratio	Lower	Upper	
149	100		
167	30.8	23.0	34.6
279	5.8	4.3	6.5

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:11 PM



#82

Chrysene

Concen: 6.968 ng/ul m

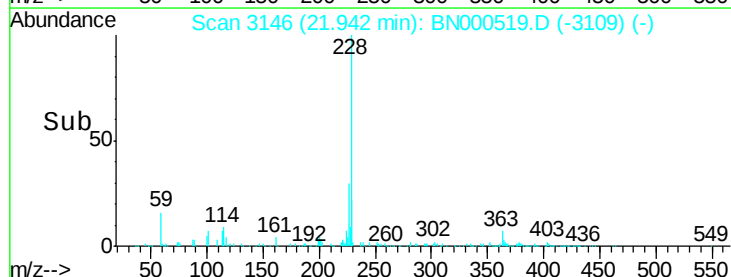
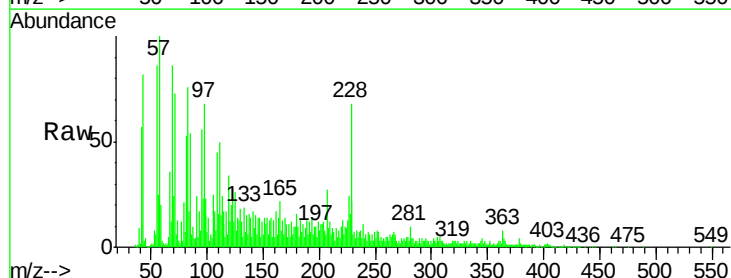
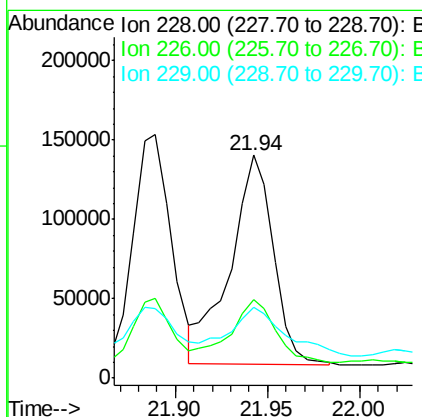
RT: 21.94 min Scan# 3146

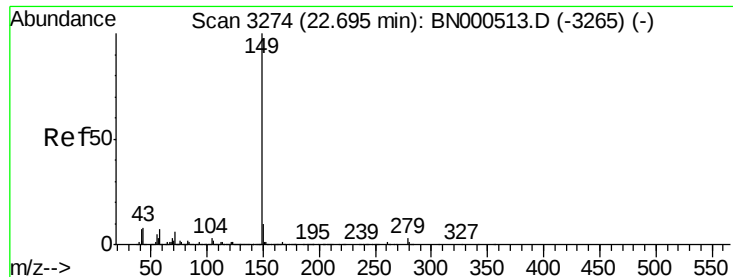
Delta R.T. 0.02 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Tgt Ion:	228	Resp:	214697
Ion Ratio	Lower	Upper	
228	100		
226	35.2	24.1	36.1
229	32.0	16.0	24.0#





#84

Di-n-octyl phthalate

Concen: 17.126 ng/ul

RT: 22.72 min Scan# 3278

Delta R.T. 0.02 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

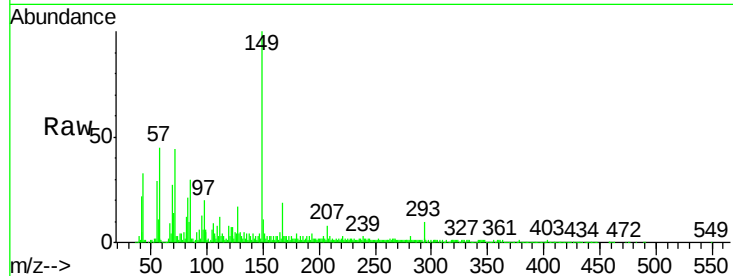
ClientSampleId :

DAM40

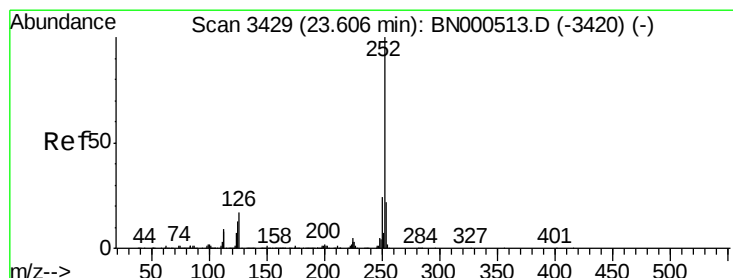
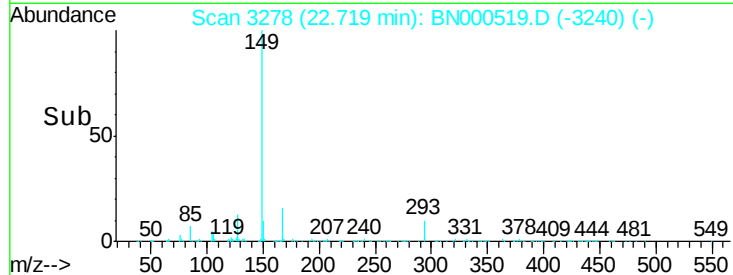
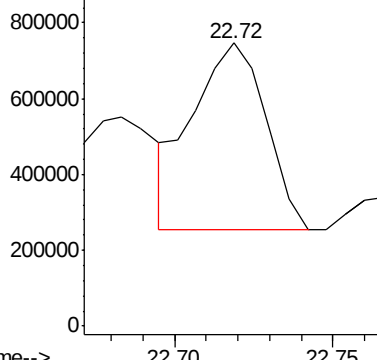
Tgt Ion:149 Resp: 787301

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:11 PM



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 5.626 ng/ul

RT: 23.64 min Scan# 3435

Delta R.T. 0.04 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

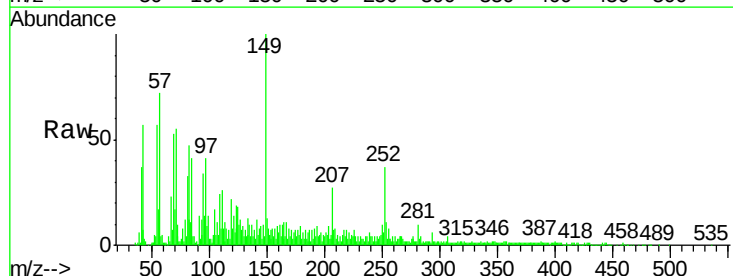
Tgt Ion:252 Resp: 194159

Ion Ratio Lower Upper

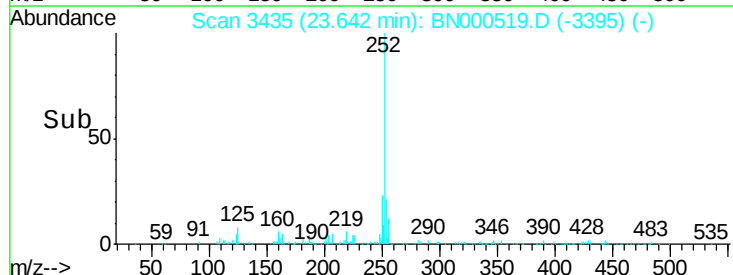
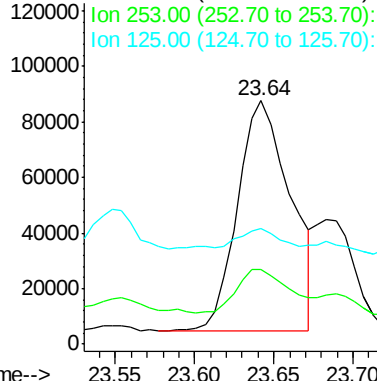
252 100

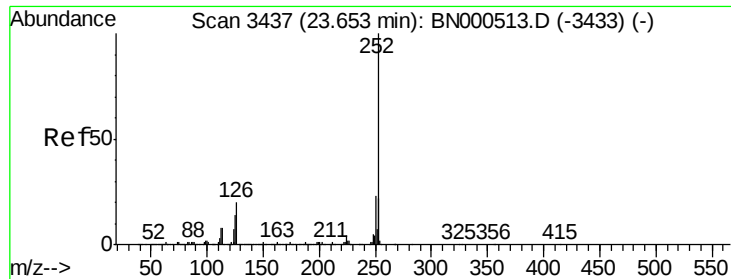
253 30.7 17.4 26.0#

125 47.5 4.9 7.3#



Abundance Ion 252.00 (251.70 to 252.70): E





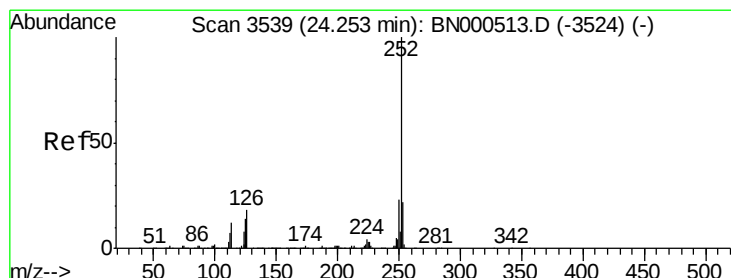
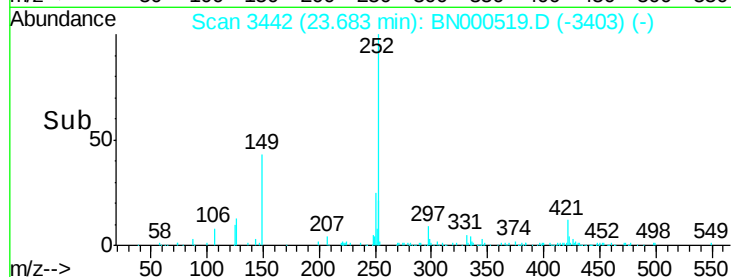
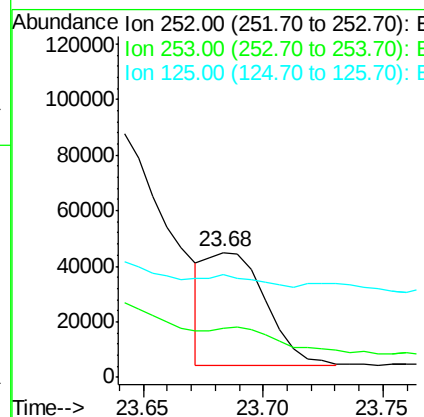
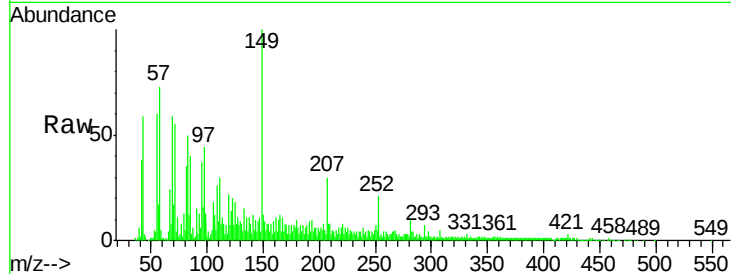
#86
Benzo(k)fluoranthene
Concen: 2.147 ng/ul
RT: 23.68 min Scan# 3442
Delta R.T. 0.03 min
Lab File: BN000519.D
Acq: 21 Mar 2018 14:44

Instrument :
BNA_N
ClientSampled :
DAM40

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.9	17.1	25.7#
125	82.6	5.4	8.0#

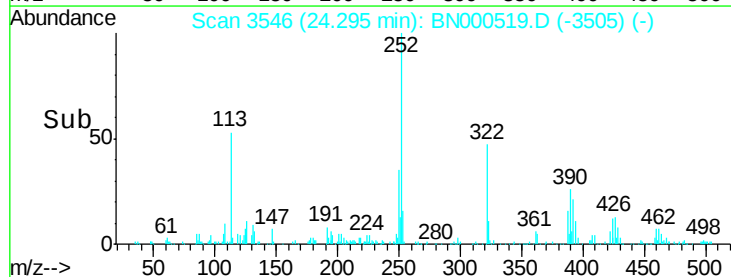
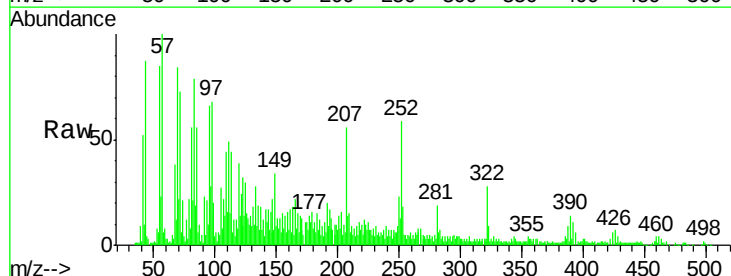
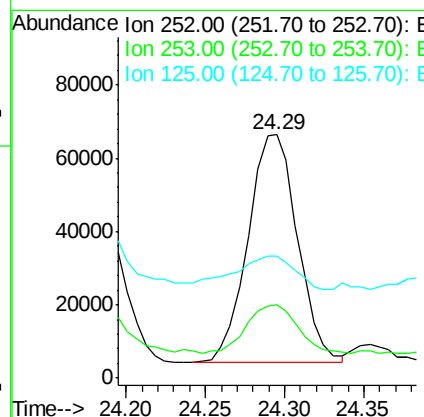
Manual Integrations
APPROVED

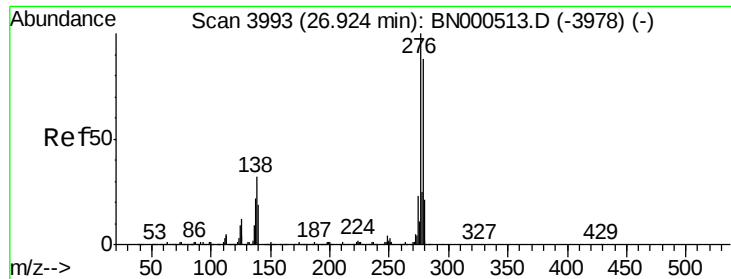
Sohil
3/22/2018 6:49:11 PM



#88
Benzo(a)pyrene
Concen: 4.162 ng/ul
RT: 24.29 min Scan# 3546
Delta R.T. 0.04 min
Lab File: BN000519.D
Acq: 21 Mar 2018 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.2	25.8#
125	49.9	5.8	8.6#





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.145 ng/ul

RT: 26.98 min Scan# 4002

Delta R.T. 0.05 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Instrument :

BNA_N

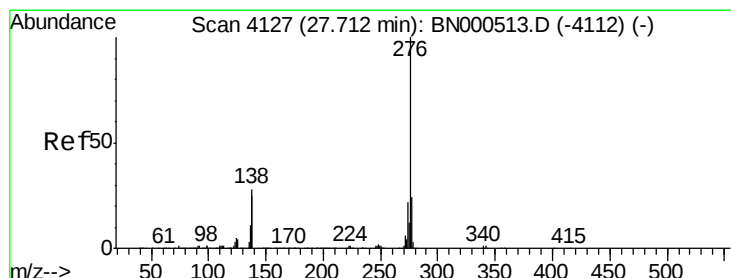
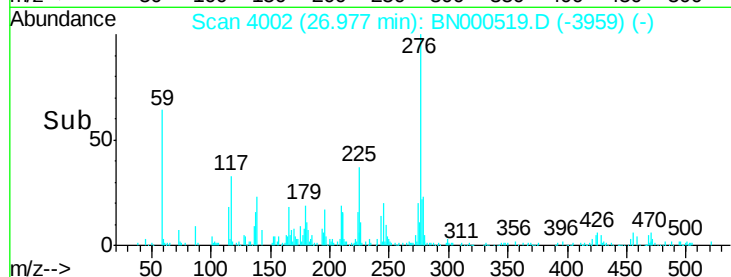
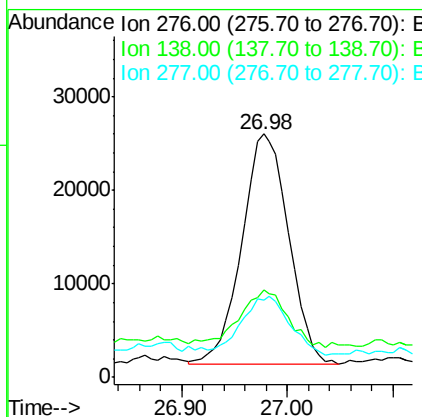
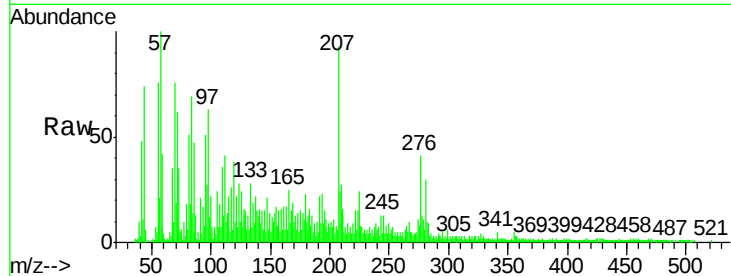
ClientSampleId :

DAM40

Tot Ion:	276	Resp:	75131
Ion Ratio	Lower	Upper	
276	100		
138	35.9	10.9	16.3#
277	31.6	18.9	28.3#

Manual Integrations
APPROVED

Sohil
3/22/2018 6:49:11 PM



#91

Benzo(g,h,i)perylene

Concen: 2.315 ng/ul

RT: 27.77 min Scan# 4136

Delta R.T. 0.05 min

Lab File: BN000519.D

Acq: 21 Mar 2018 14:44

Tgt Ion:	276	Resp:	67386
Ion Ratio	Lower	Upper	
276	100		
138	33.5	11.2	16.8#
277	35.3	19.0	28.6#

