

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
 Data File : BG031754.D
 Acq On : 23 Dec 2017 18:19
 Operator : SJ/JU
 Sample : I7037-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221-OILY-STONES

Manual Integrations
 APPROVED

Sohil
 12/26/2017 3:31:14 PM

Quant Time: Dec 26 00:40:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	47544	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	200607	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	136148	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	337414	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	399516	20.00	ng	-0.02
86) Perylene-d12	26.34	264	428108	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	401756	153.91	ng	0.00
7) Phenol-d6	7.92	99	458828	135.39	ng	0.00
23) Nitrobenzene-d5	10.03	82	307191	115.63	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	334048	160.80	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1076475	99.24	ng	-0.01
78) Terphenyl-d14	20.73	244	1918698	109.72	ng	-0.01
Target Compounds						
31) Naphthalene	11.77	128	1003521	99.121	ng	99
37) 2-Methylnaphthalene	13.32	142	58579m	7.137	ng	
54) Dibenzofuran	15.85	168	36679	2.575	ng	94
57) Fluorene	16.50	166	33273	2.875	ng	90
70) Phenanthrene	18.23	178	54929	2.877	ng	99
72) Carbazole	18.58	167	41704	2.446	ng	99

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

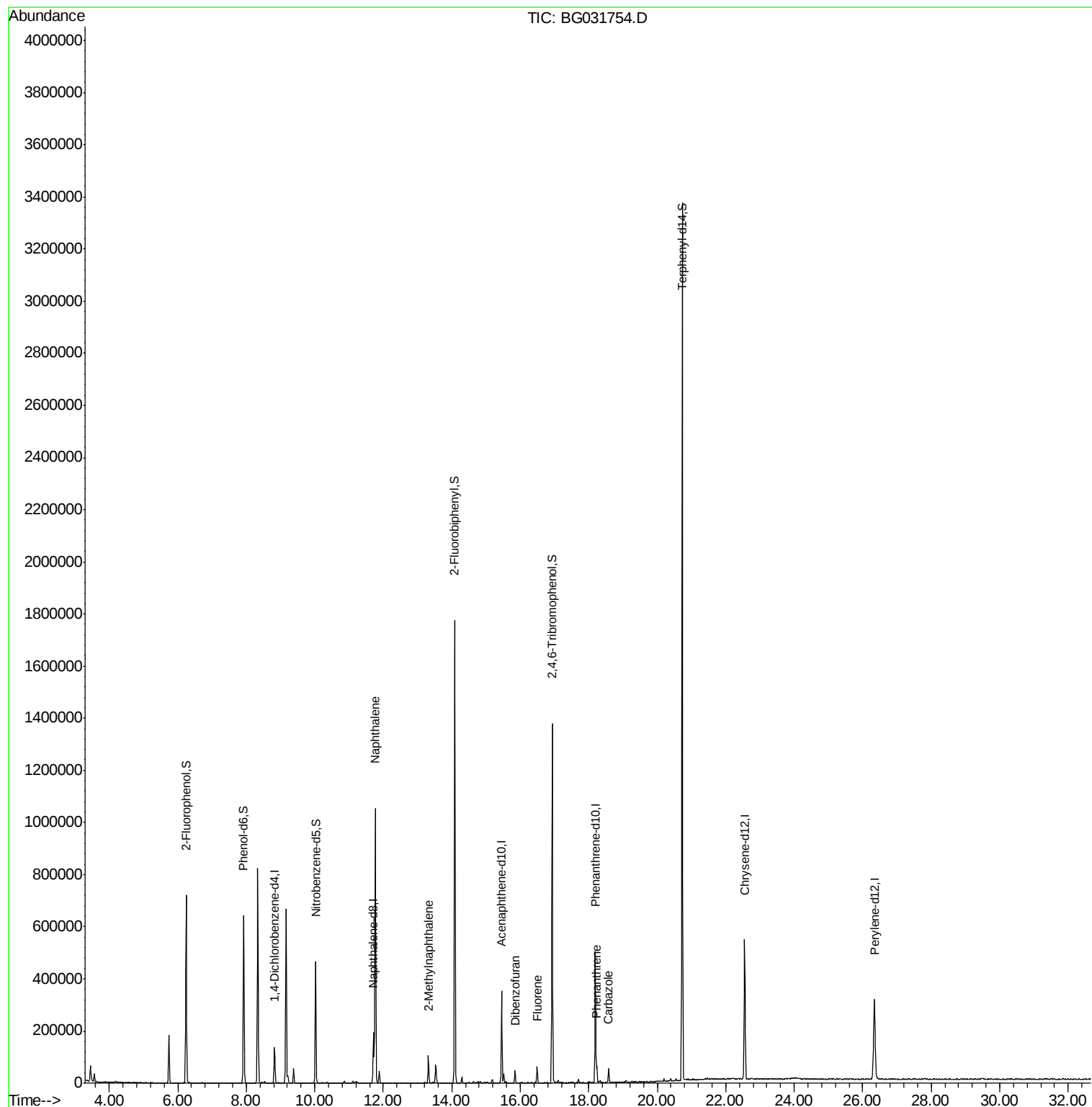
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031754.D
Acq On : 23 Dec 2017 18:19
Operator : SJ/JU
Sample : I7037-02
Misc :
ALS Vial : 38 Sample Multiplier: 1

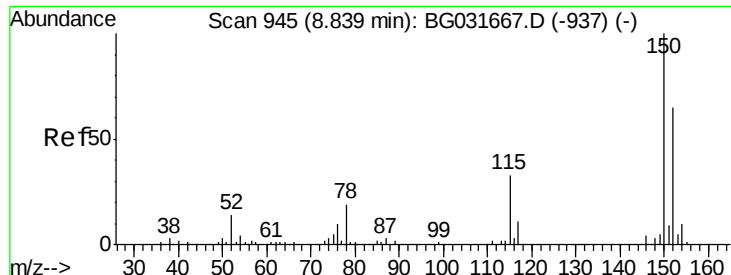
Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Manual Integrations
APPROVED

Sohil
12/26/2017 3:31:14 PM

Quant Time: Dec 26 00:40:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 11:08:55 2017
Response via : Initial Calibration





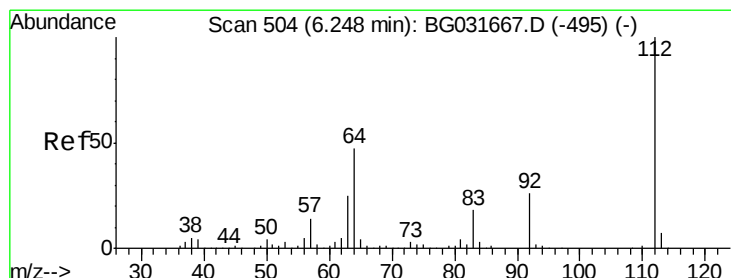
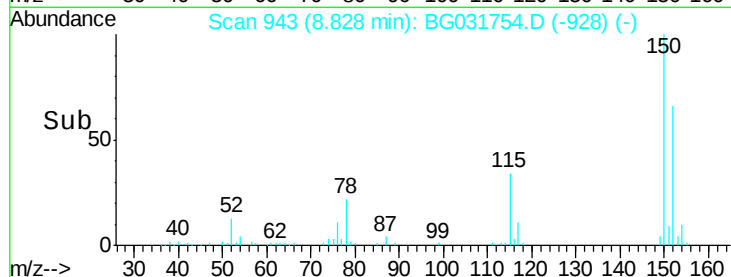
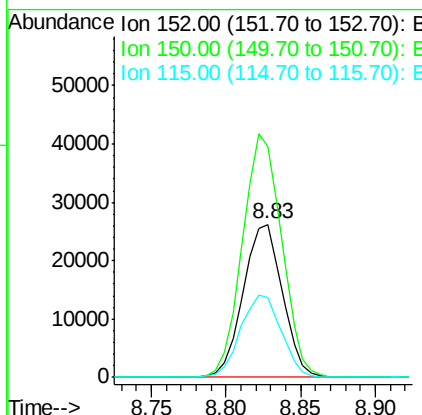
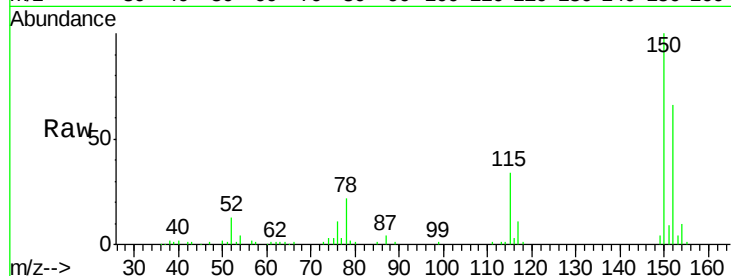
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.83 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BG031754.D
 Acq: 23 Dec 2017 18:19

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221-OILY-STONES

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.2	126.6	189.8
115	52.2	53.0	79.4#

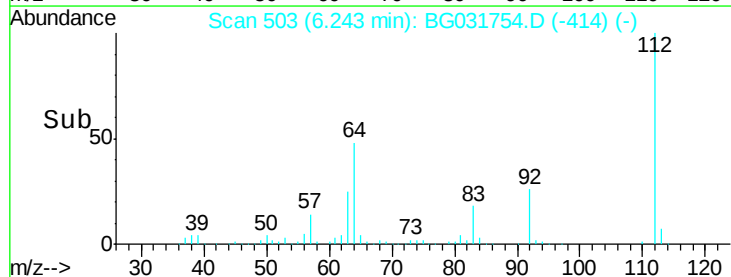
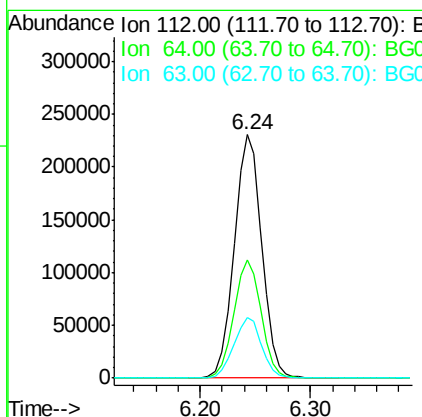
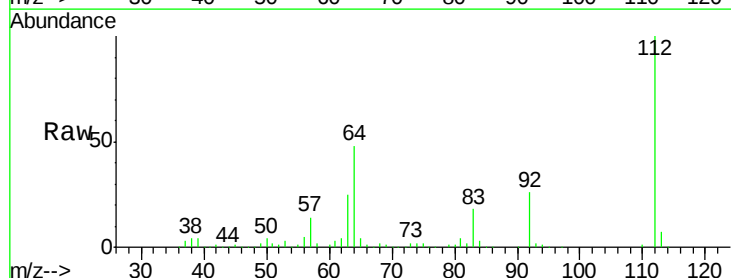
Manual Integrations
 APPROVED

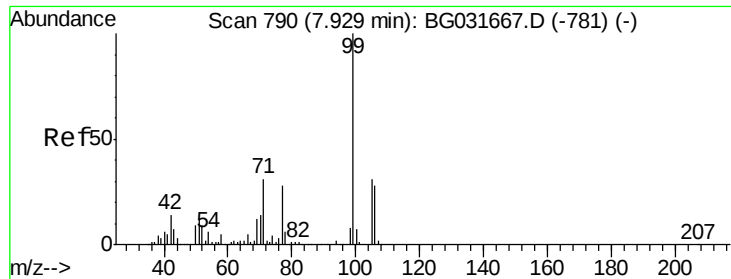
Sohil
 12/26/2017 3:31:14 PM



#5
 2-Fluorophenol
 Concen: 153.911 ng
 RT: 6.24 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BG031754.D
 Acq: 23 Dec 2017 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.3	56.3	84.5#
63	24.7	30.1	45.1#





#7

Phenol-d6

Concen: 135.385 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG031754.D

Acq: 23 Dec 2017 18:19

Instrument :

BNA_G

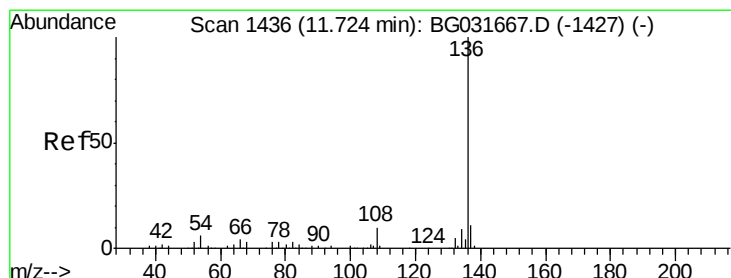
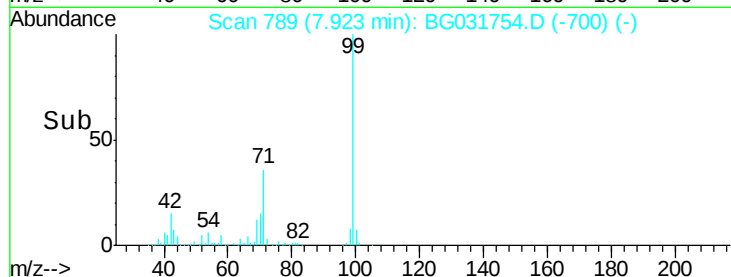
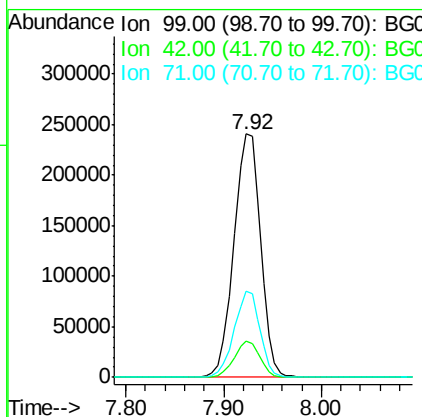
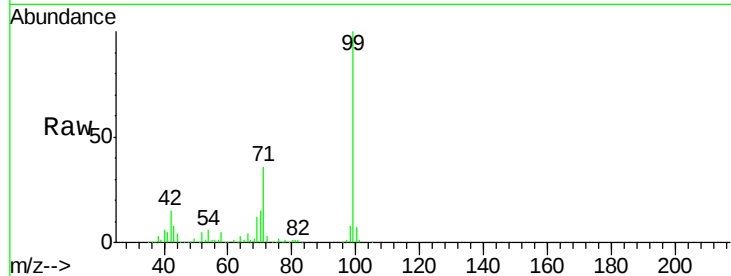
ClientSampleId :

VNJ-221-OILY-STONES

Tgt Ion:	99	Resp:	458828
Ion Ratio	Lower	Upper	
99	100		
42	14.7	14.1	21.1
71	35.6	26.1	39.1

Manual Integrations
APPROVED

Sohil
12/26/2017 3:31:14 PM



#21

Naphthalene-d8

Concen: 20.000 ng

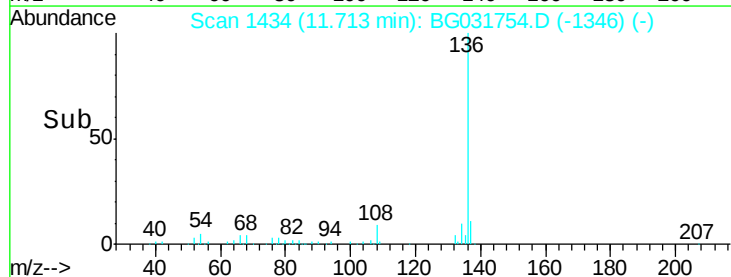
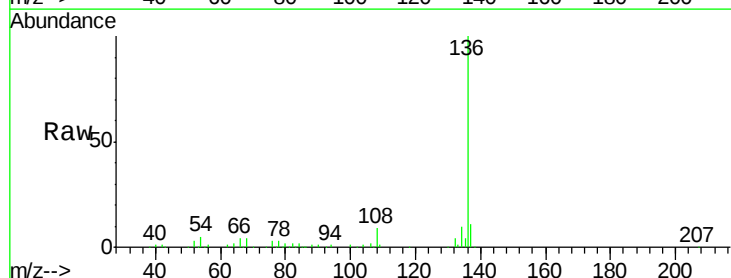
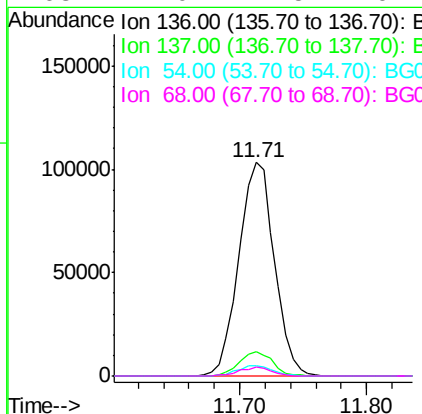
RT: 11.71 min Scan# 1434

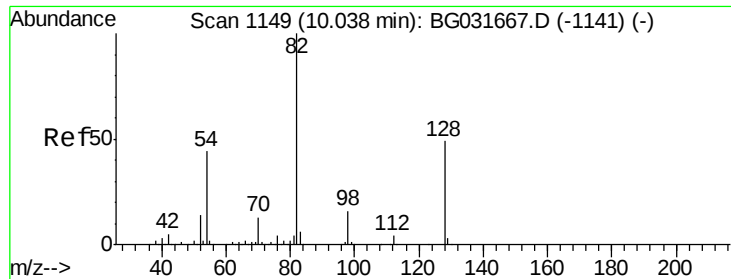
Delta R.T. -0.01 min

Lab File: BG031754.D

Acq: 23 Dec 2017 18:19

Tgt Ion:	136	Resp:	200607
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.2	13.8
54	4.8	10.3	15.5#
68	4.0	4.5	6.7#





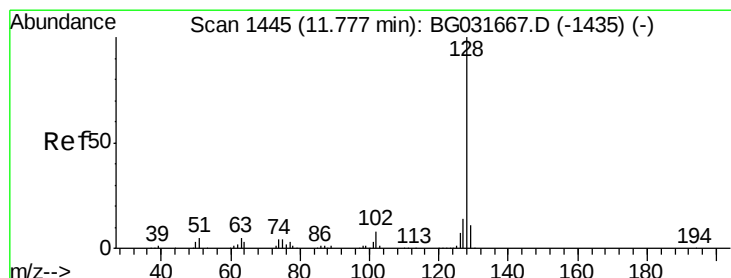
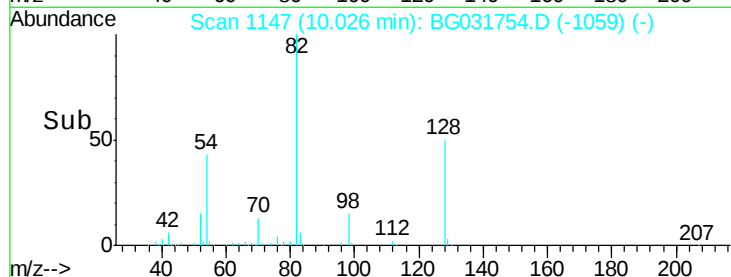
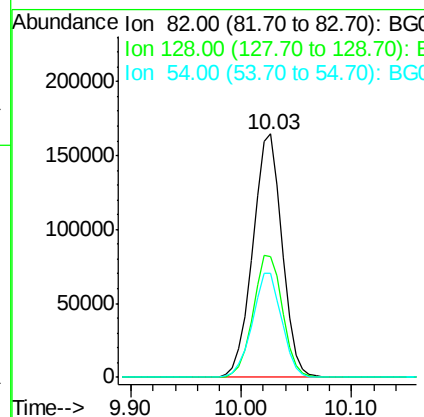
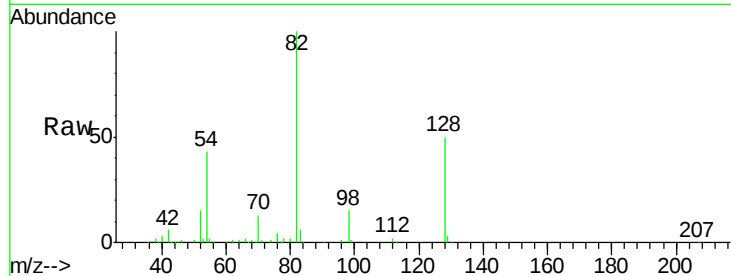
#23
 Nitrobenzene-d5
 Concen: 115.632 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BG031754.D
 Acq: 23 Dec 2017 18:19

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221-OILY-STONES

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	307191		
128	49.5	29.7	44.5#	
54	42.6	43.1	64.7#	

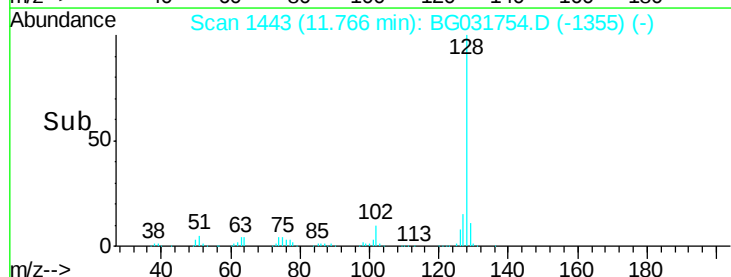
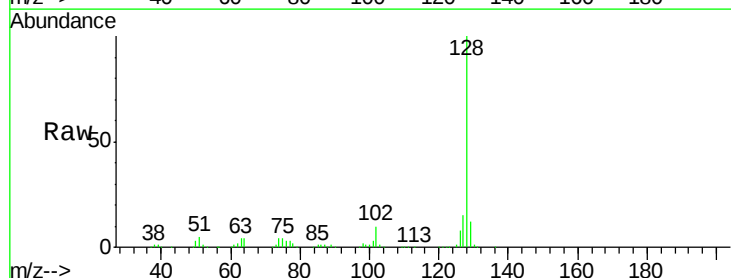
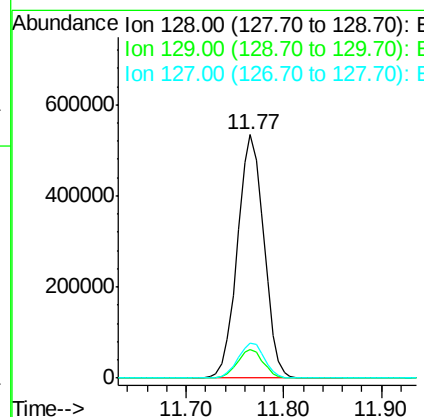
Manual Integrations
 APPROVED

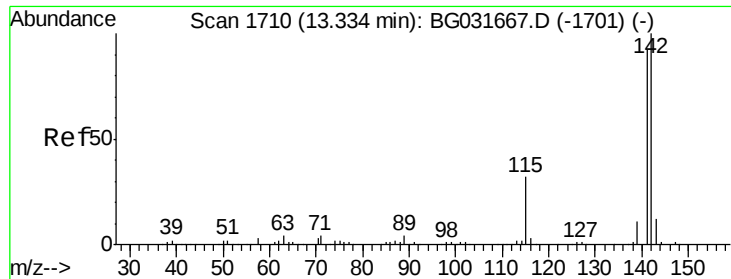
Sohil
 12/26/2017 3:31:14 PM



#31
 Naphthalene
 Concen: 99.121 ng
 RT: 11.77 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BG031754.D
 Acq: 23 Dec 2017 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1003521		
129	11.6	8.6	12.8	
127	14.6	11.6	17.4	





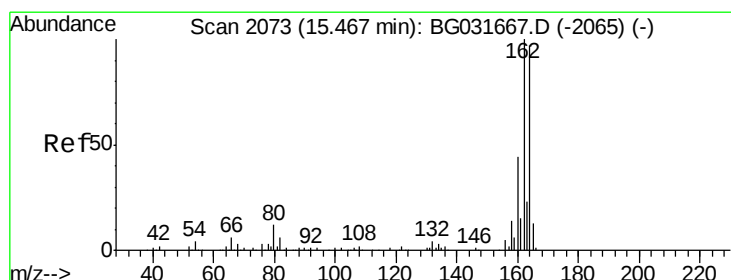
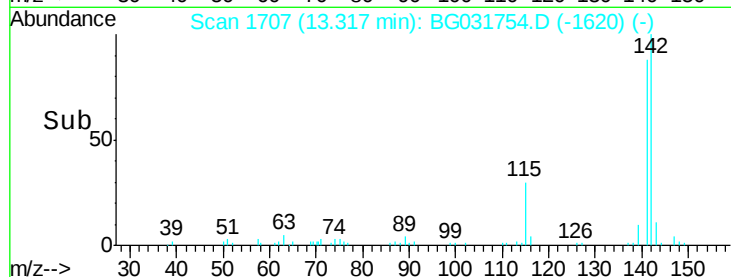
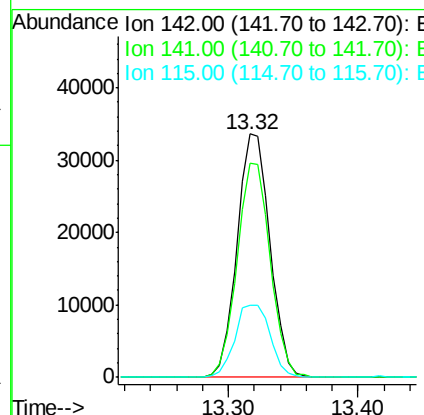
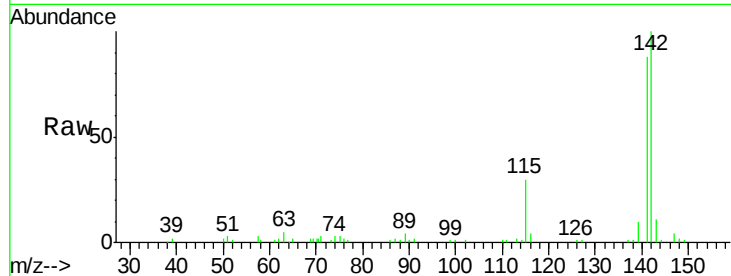
#37
2-Methylnaphthalene
Concen: 7.137 ng m
RT: 13.32 min Scan# 1707
Delta R.T. -0.02 min
Lab File: BG031754.D
Acq: 23 Dec 2017 18:19

Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	67.1	100.7
115	29.8	30.7	46.1#

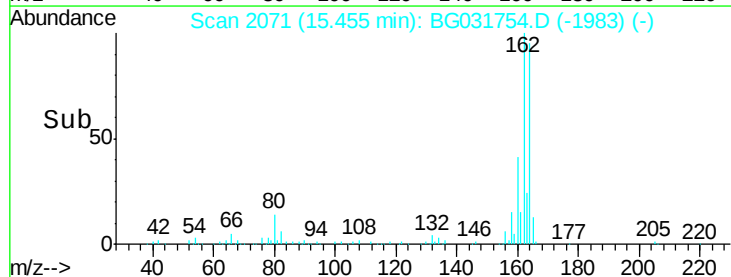
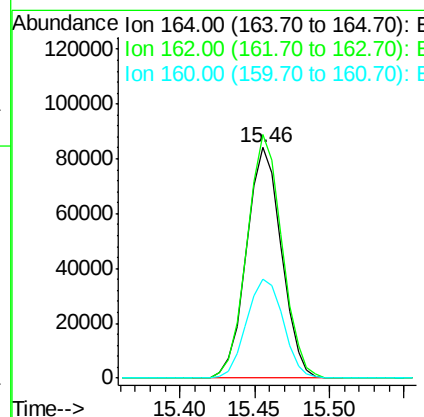
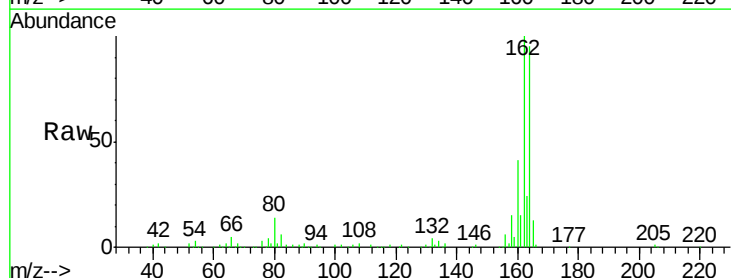
Manual Integrations
APPROVED

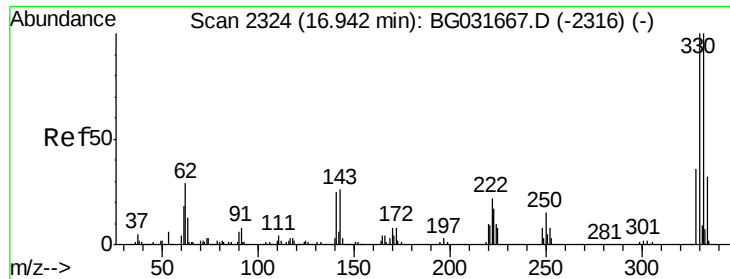
Sohil
12/26/2017 3:31:14 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.01 min
Lab File: BG031754.D
Acq: 23 Dec 2017 18:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	78.8	118.2
160	43.1	35.4	53.0





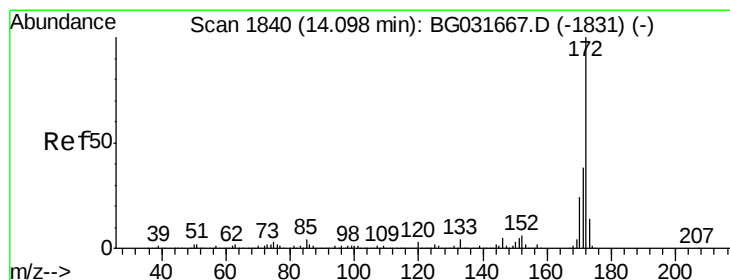
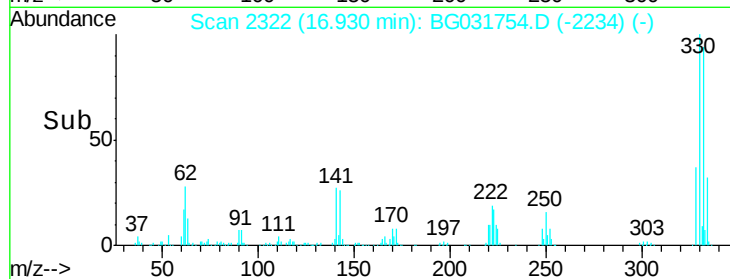
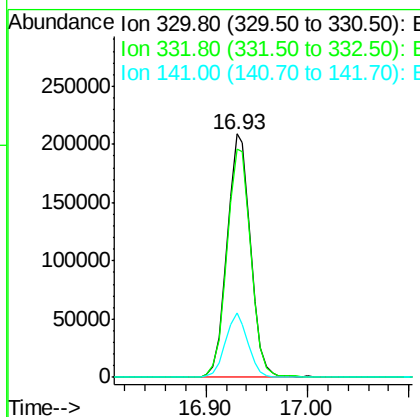
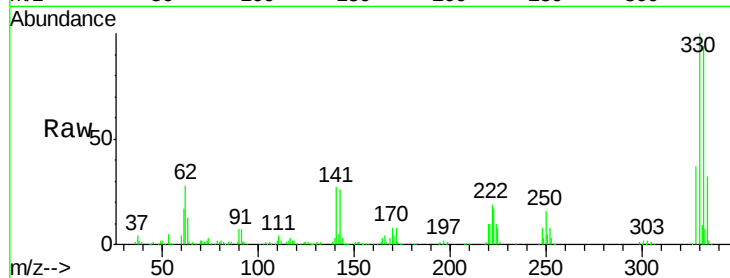
#41
 2,4,6-Tribromophenol
 Concen: 160.799 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031754.D
 Acq: 23 Dec 2017 18:19

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221-OILY-STONES

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	25.4	25.2	37.8

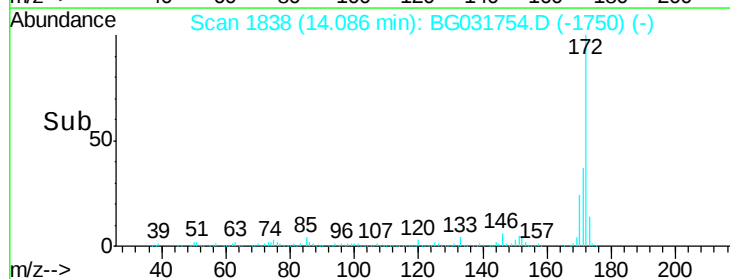
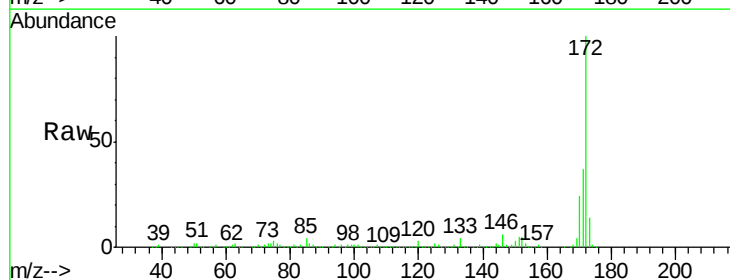
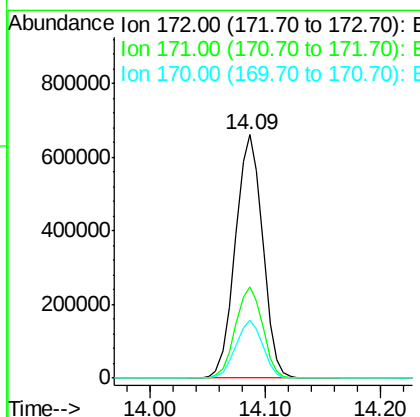
Manual Integrations
 APPROVED

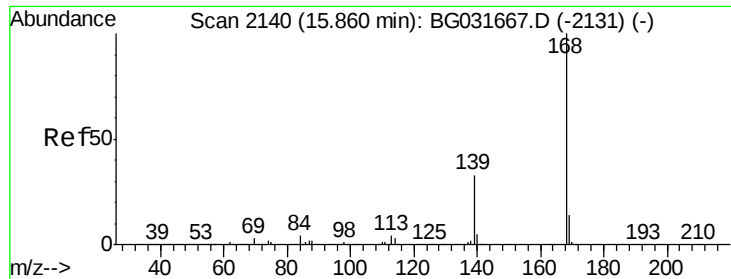
Sohil
 12/26/2017 3:31:14 PM



#44
 2-Fluorobiphenyl
 Concen: 99.239 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031754.D
 Acq: 23 Dec 2017 18:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.0	19.5	29.3





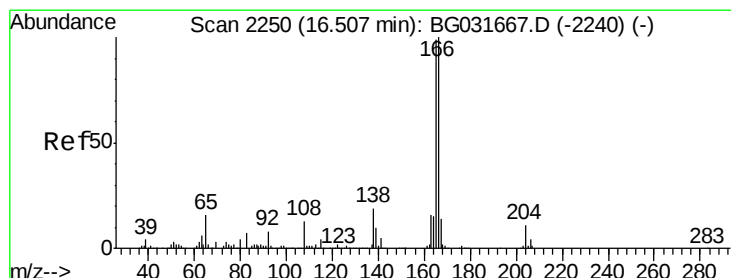
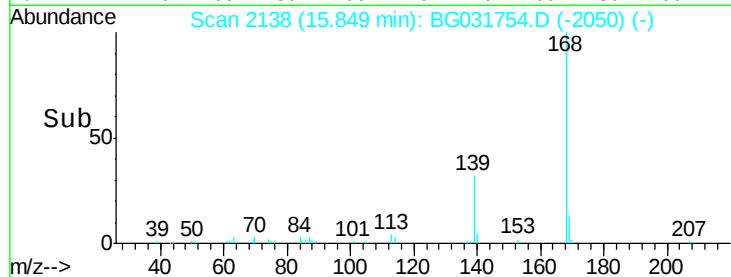
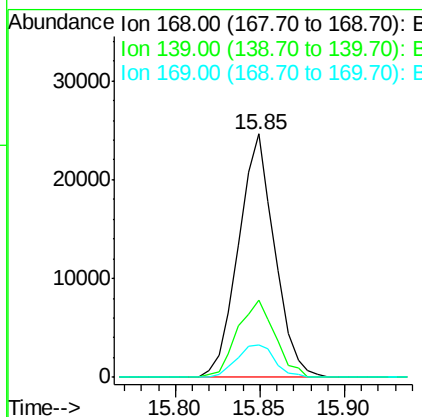
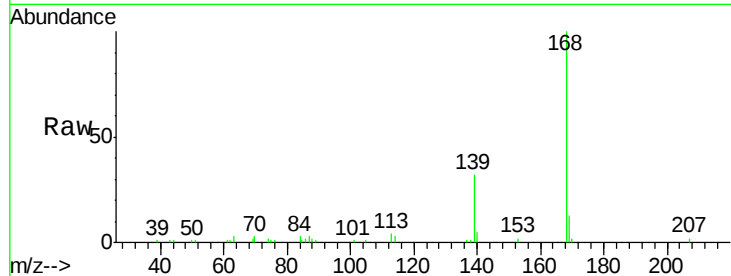
#54
Dibenzenofuran
Concen: 2.575 ng
RT: 15.85 min Scan# 2138
Delta R.T. -0.01 min
Lab File: BG031754.D
Acq: 23 Dec 2017 18:19

Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Tgt Ion	Ratio	Lower	Upper
168	100		
139	31.6	28.6	43.0
169	13.1	11.2	16.8

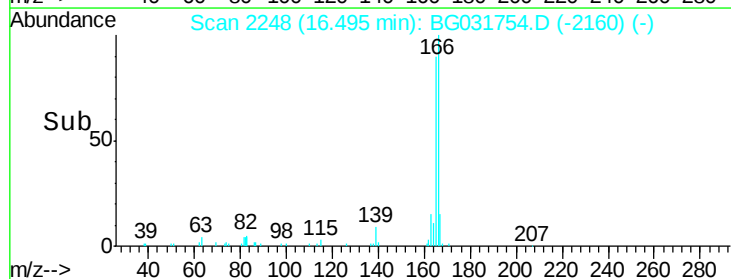
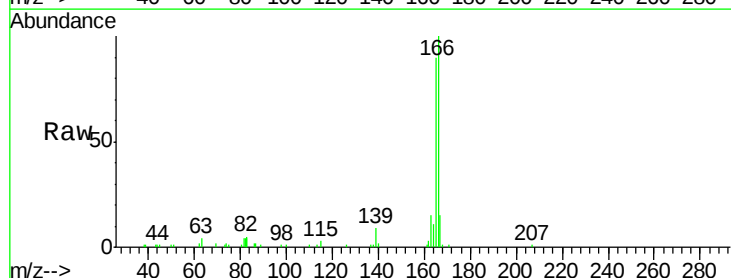
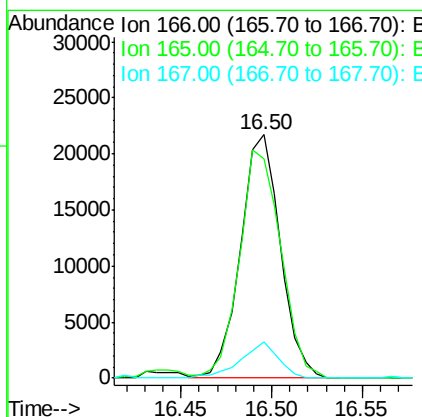
Manual Integrations
APPROVED

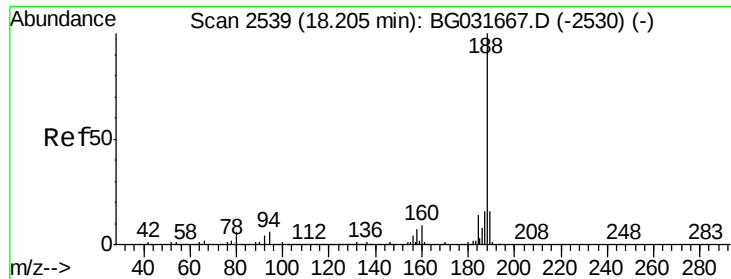
Sohil
12/26/2017 3:31:14 PM



#57
Fluorene
Concen: 2.875 ng
RT: 16.50 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BG031754.D
Acq: 23 Dec 2017 18:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	80.6	121.0
167	15.1	10.4	15.6





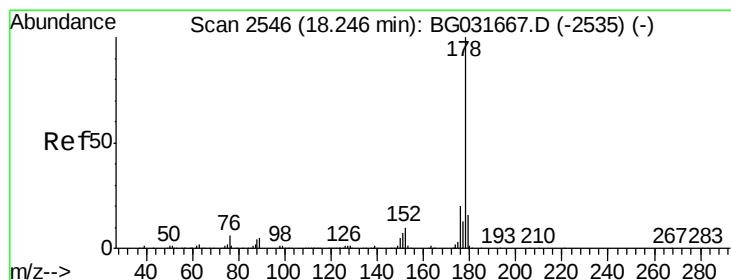
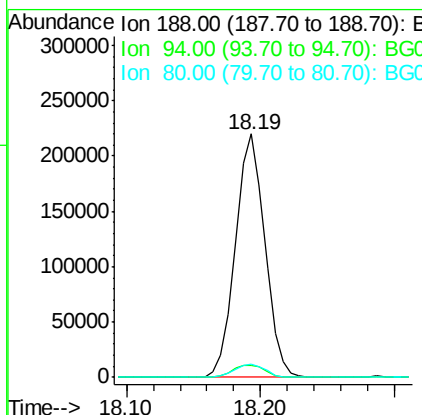
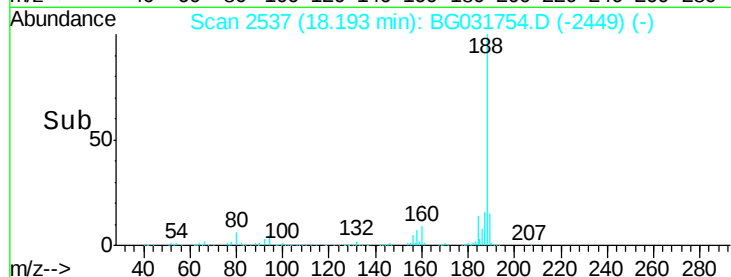
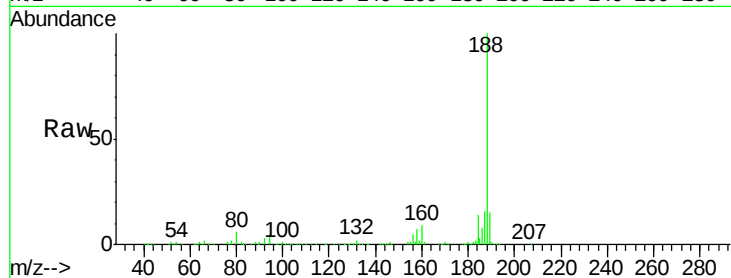
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BG031754.D
Acq: 23 Dec 2017 18:19

Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	5.1	6.9	10.3#
80	5.6	7.7	11.5#

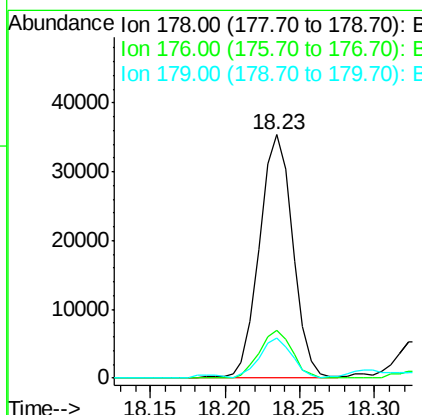
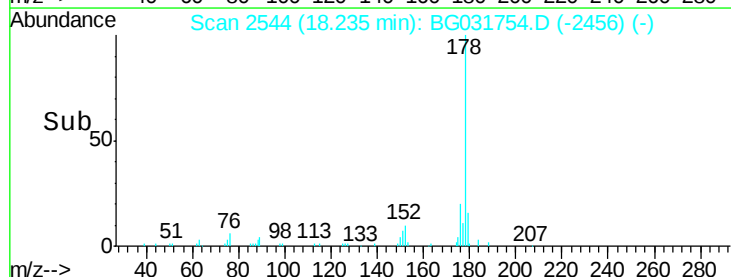
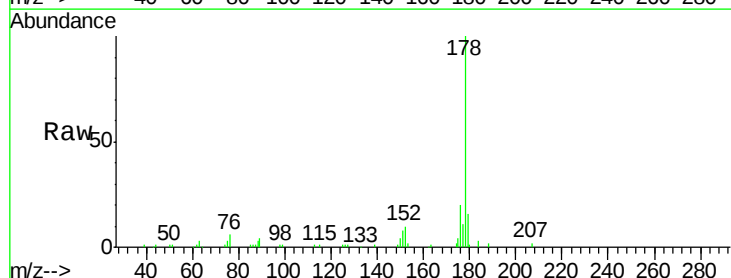
Manual Integrations
APPROVED

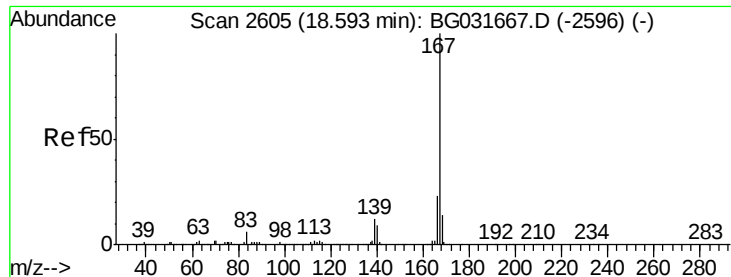
Sohil
12/26/2017 3:31:14 PM



#70
Phenanthrene
Concen: 2.877 ng
RT: 18.23 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BG031754.D
Acq: 23 Dec 2017 18:19

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.7	23.5
179	16.4	12.5	18.7





#72

Carbazole

Concen: 2.446 ng

RT: 18.58 min Scan# 2603

Delta R.T. -0.01 min

Lab File: BG031754.D

Acq: 23 Dec 2017 18:19

Instrument :

BNA_G

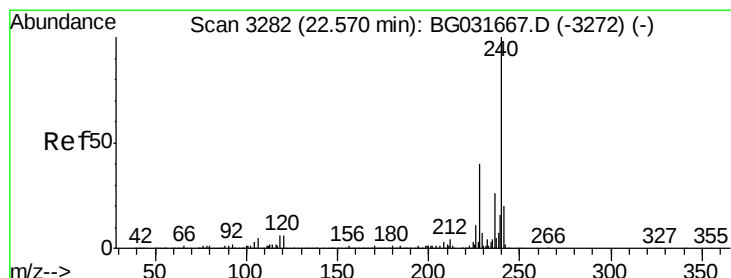
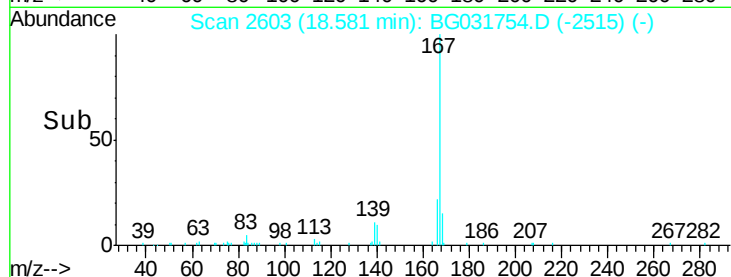
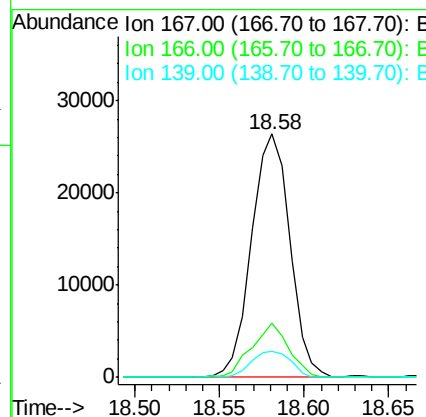
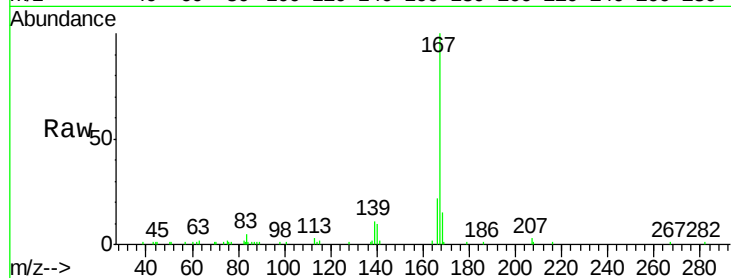
ClientSampleId :

VNJ-221-OILY-STONES

Tgt Ion:	167	Resp:	41704
Ion Ratio		Lower	Upper
167	100		
166	22.5	18.2	27.4
139	10.7	9.4	14.2

Manual Integrations
APPROVED

Sohil
12/26/2017 3:31:14 PM



#75

Chrysene-d12

Concen: 20.000 ng

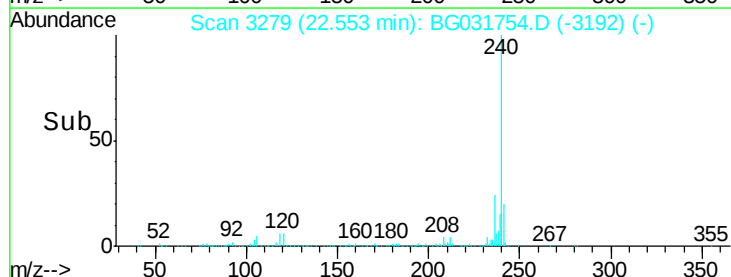
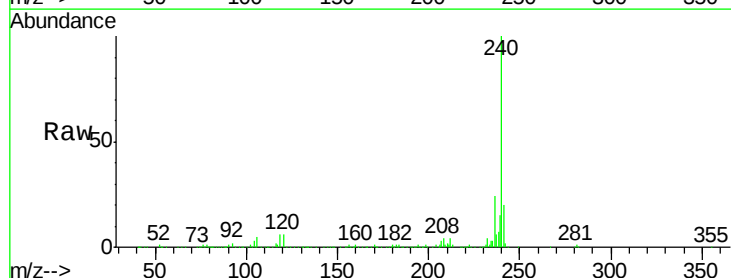
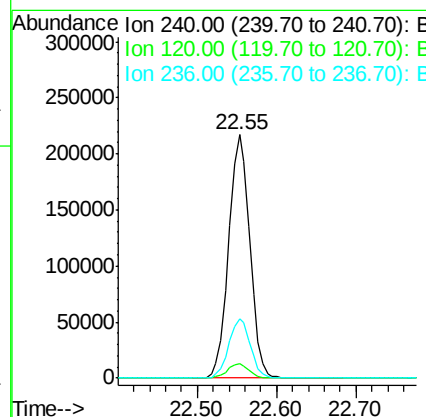
RT: 22.55 min Scan# 3279

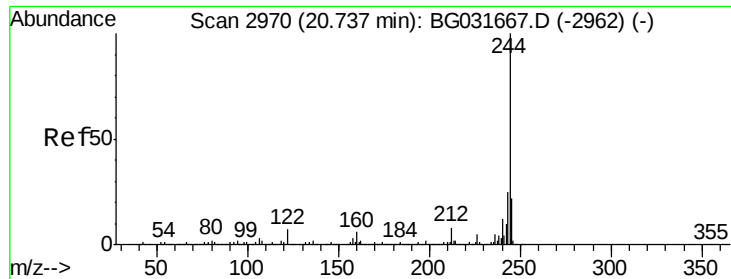
Delta R.T. -0.02 min

Lab File: BG031754.D

Acq: 23 Dec 2017 18:19

Tgt Ion:	240	Resp:	399516
Ion Ratio		Lower	Upper
240	100		
120	5.8	6.8	10.2#
236	24.3	20.9	31.3





#78

Terphenyl-d14

Concen: 109.722 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031754.D

Acq: 23 Dec 2017 18:19

Instrument :

BNA_G

ClientSampleId :

VNJ-221-OILY-STONES

Tgt Ion:244 Resp: 1918698

Ion Ratio Lower Upper

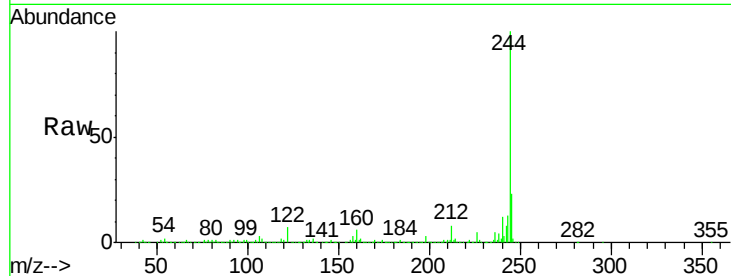
244 100

212 7.6 5.8 8.8

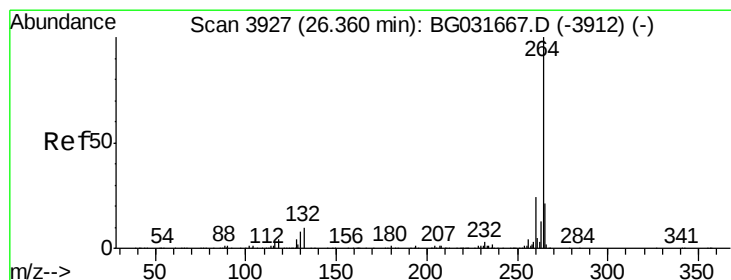
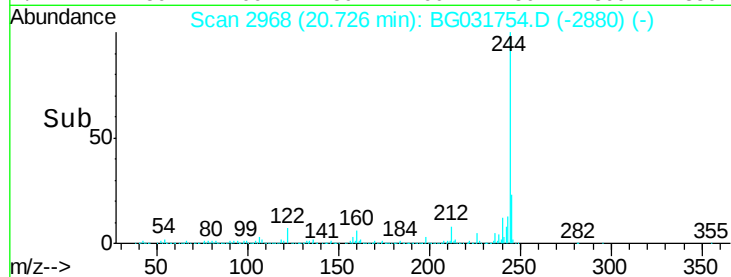
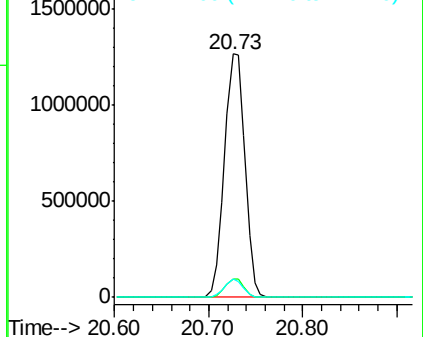
122 7.5 7.0 10.4

Manual Integrations
APPROVED

Sohil
12/26/2017 3:31:14 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.34 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BG031754.D

Acq: 23 Dec 2017 18:19

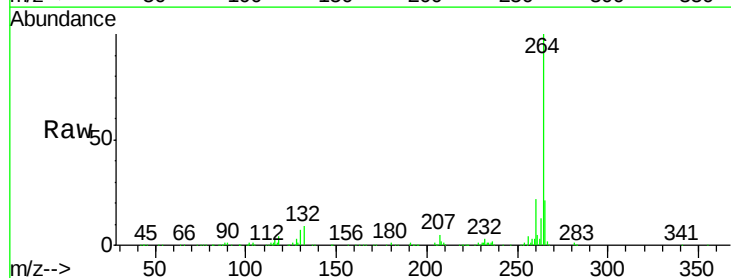
Tgt Ion:264 Resp: 428108

Ion Ratio Lower Upper

264 100

260 21.8 17.4 26.0

265 21.2 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

