

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

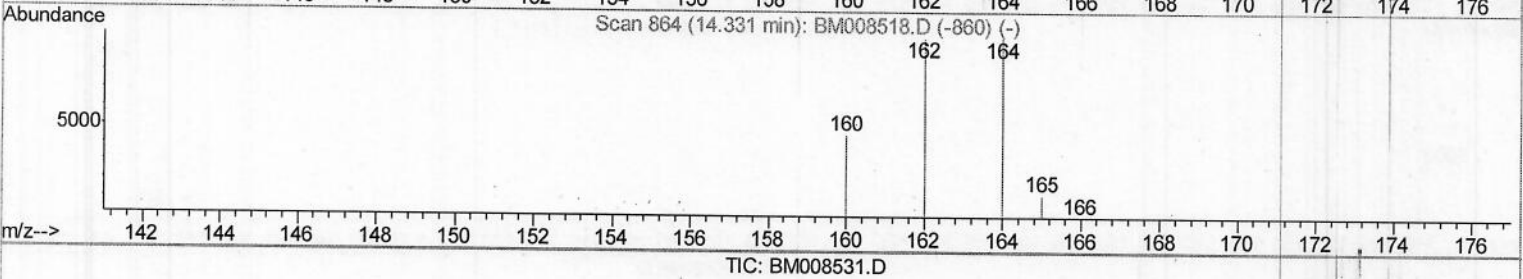
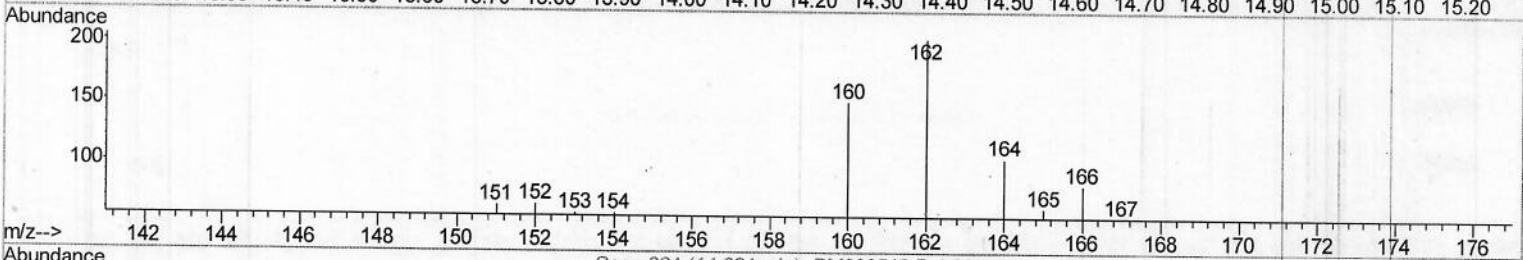
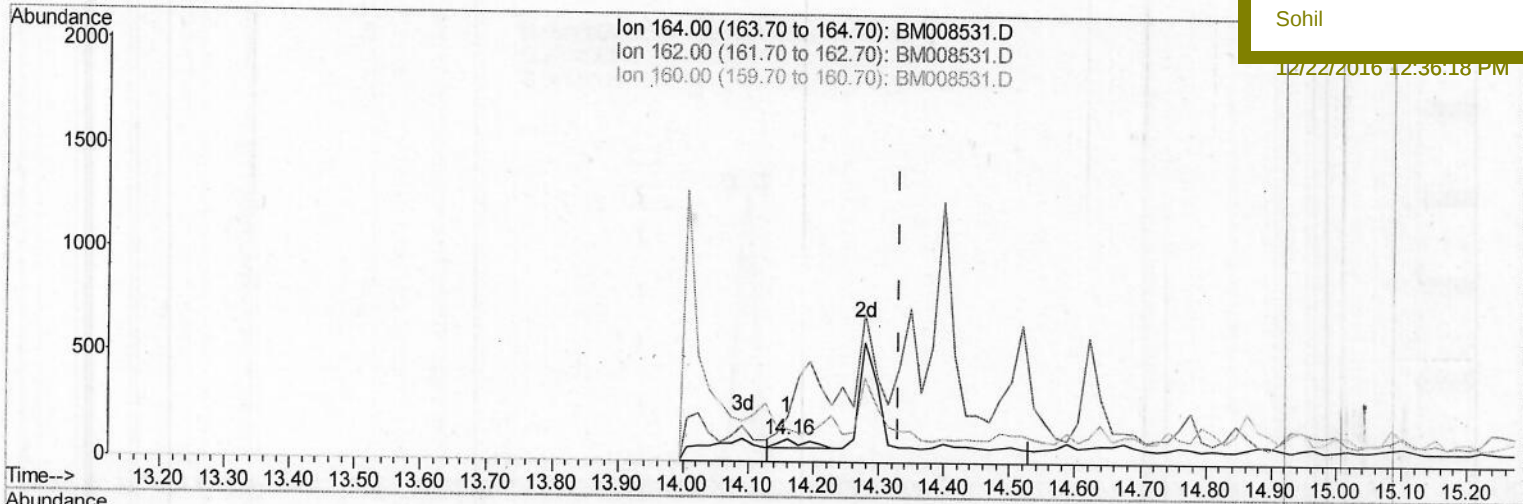
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(6) Acenaphthene-d10 (I)

14.160min (-0.171) 0.40ng/ul

response 131

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	196.15#
160.00	48.80	145.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

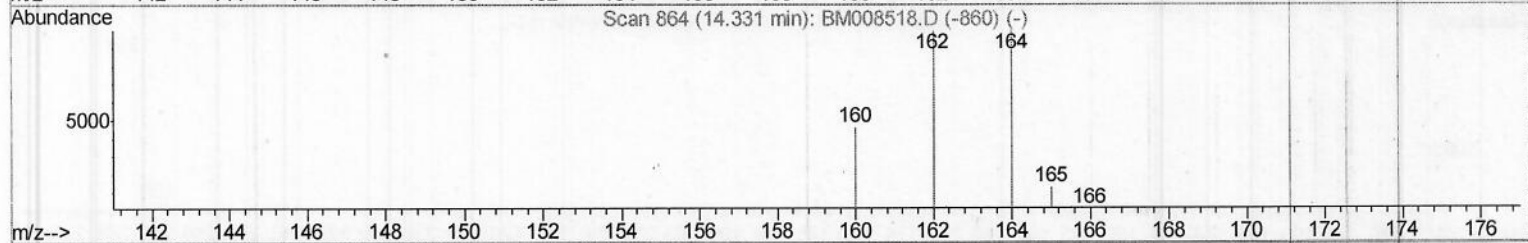
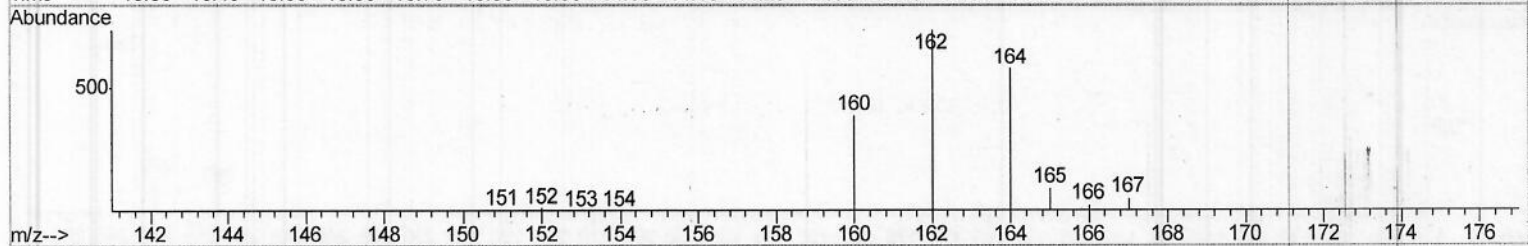
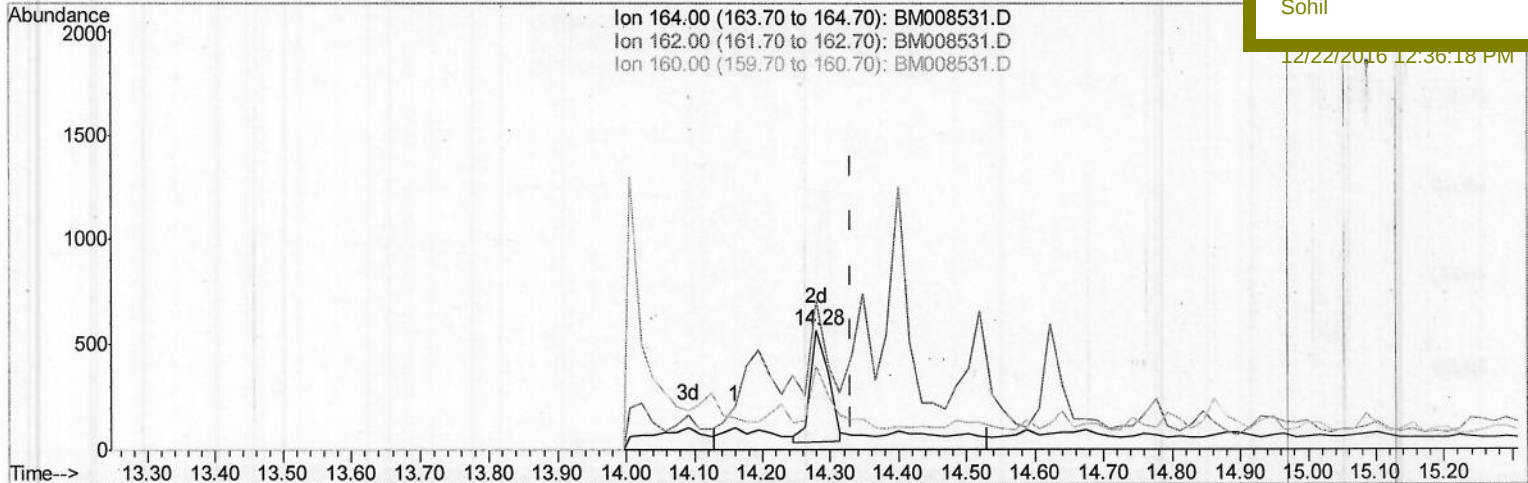
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 Client Sampled :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(6) Acenaphthene-d10 (I)

14.280min (-0.051) 0.40ng/ul m

response 990

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	124.51#
160.00	48.80	70.02#
0.00	0.00	0.00

S.J
 12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

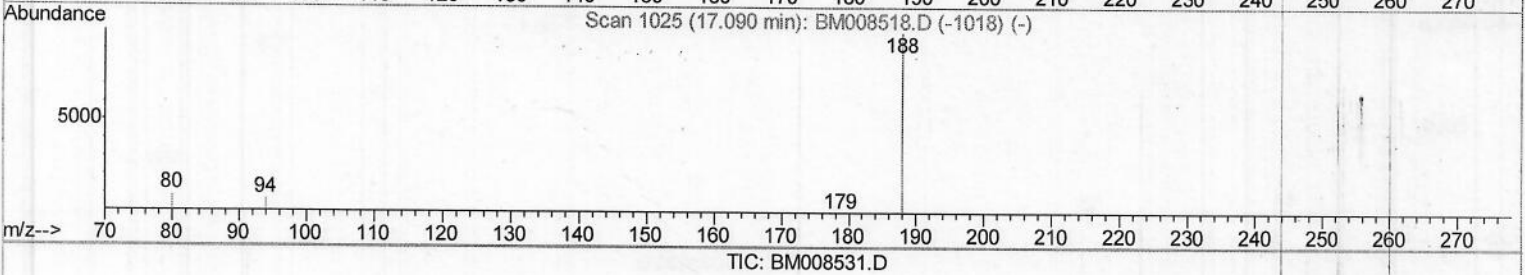
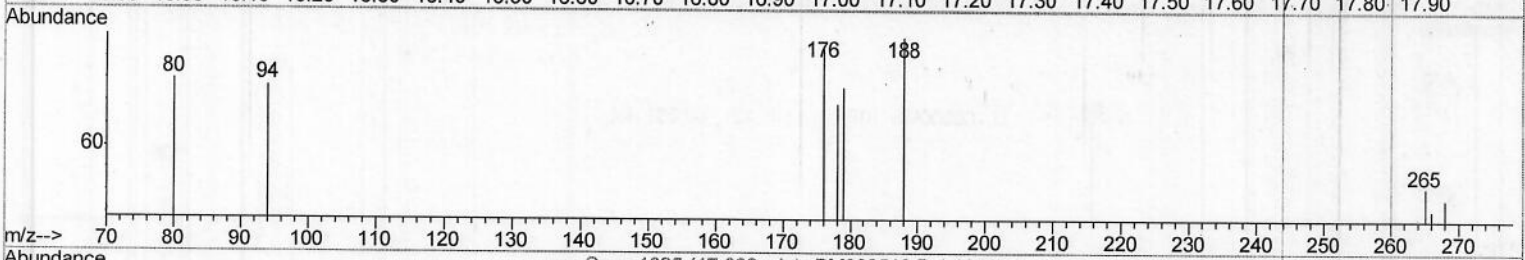
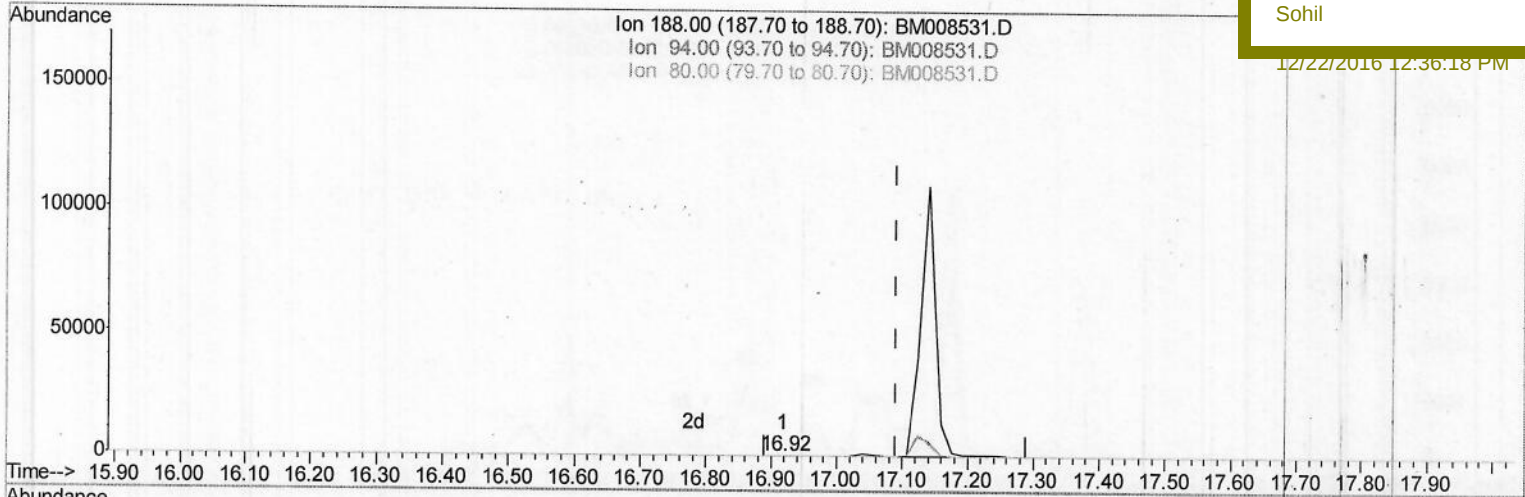
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(10) Phenanthrene-d10 (I)

16.919min (-0.172) 0.40ng/ul

response 35

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	88.75#
80.00	11.80	90.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

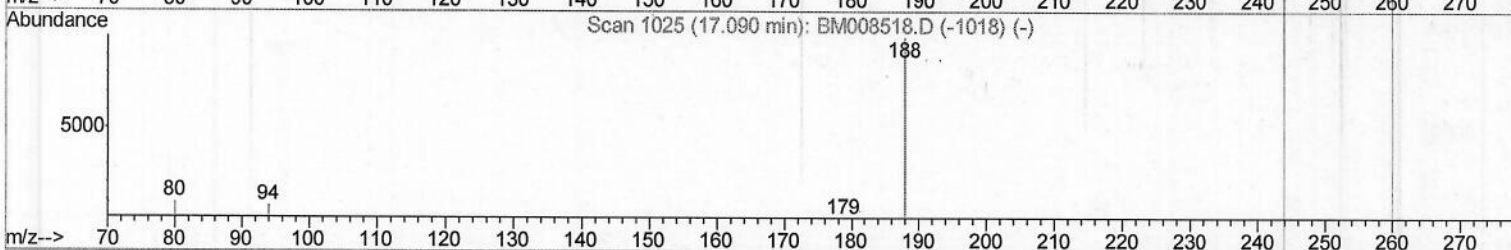
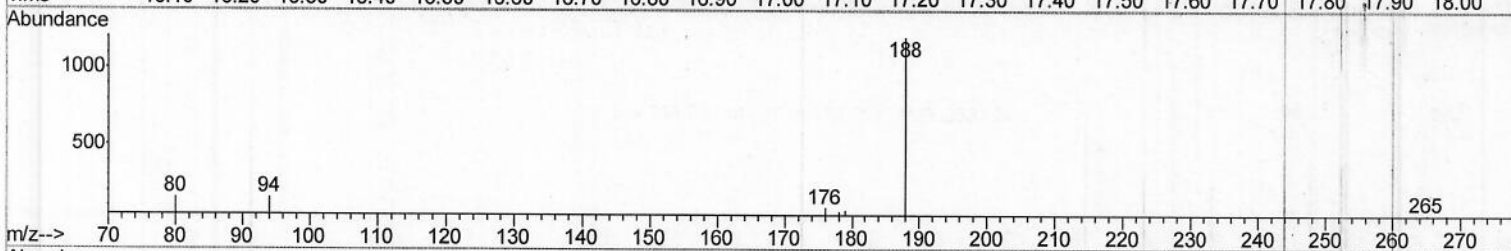
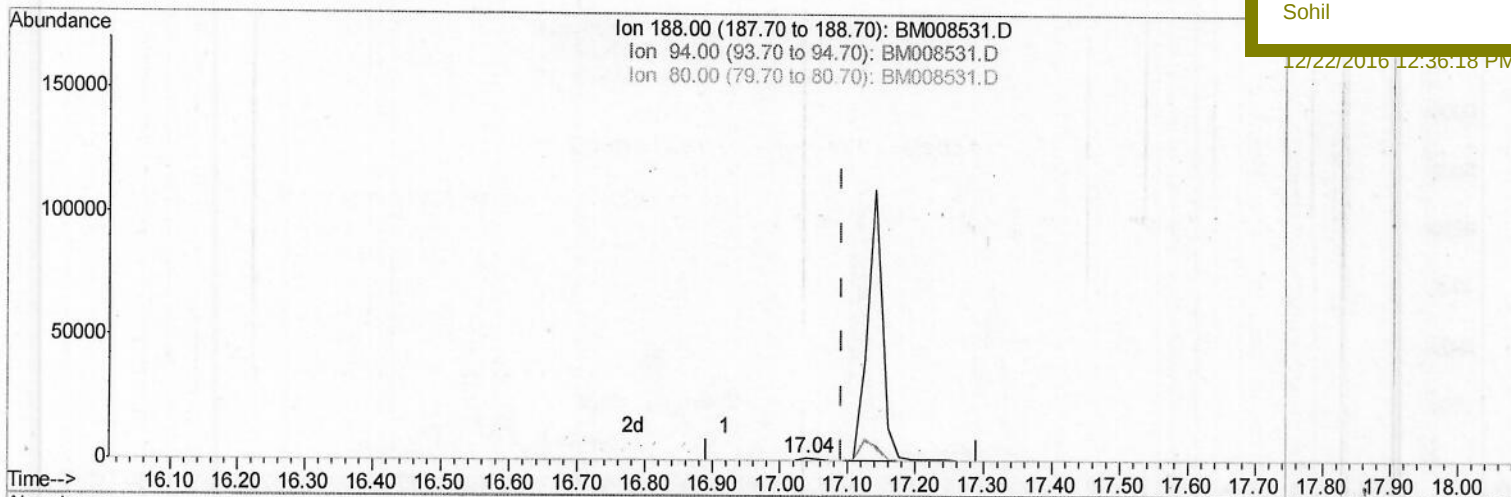
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(10) Phenanthrene-d10 (I)

17.039min (-0.052) 0.40ng/ul m

response 1773

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.98
80.00	11.80	13.06
0.00	0.00	0.00

S.J
 12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

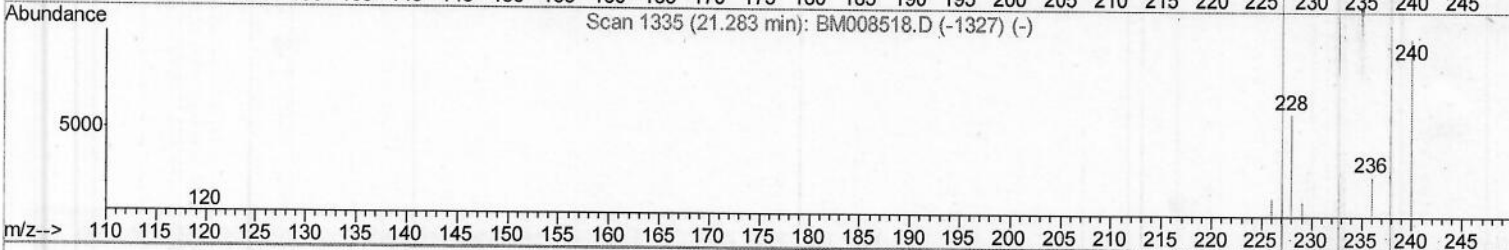
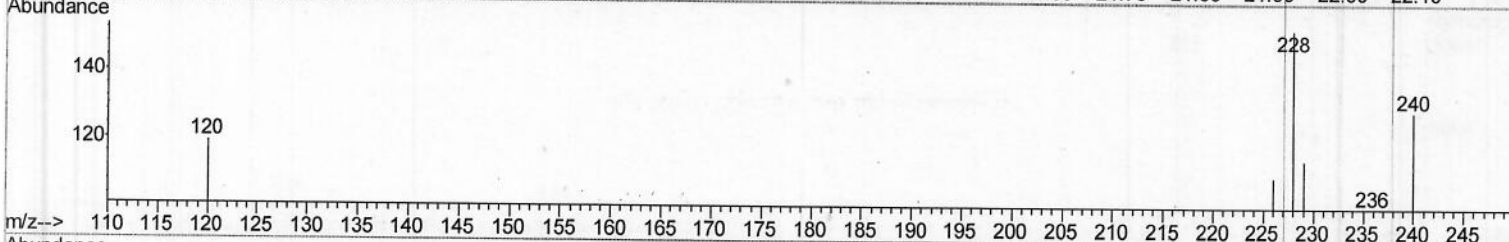
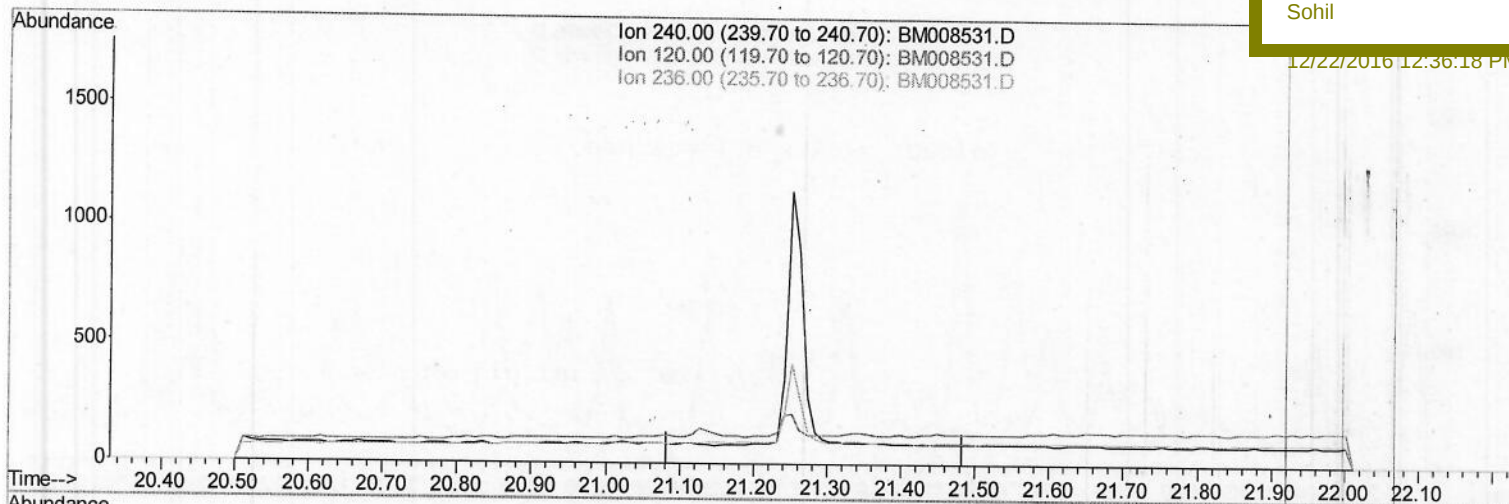
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(16) Chrysene-d12 (I)

21.283min (-21.283) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	20.60	0.00#
236.00	34.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

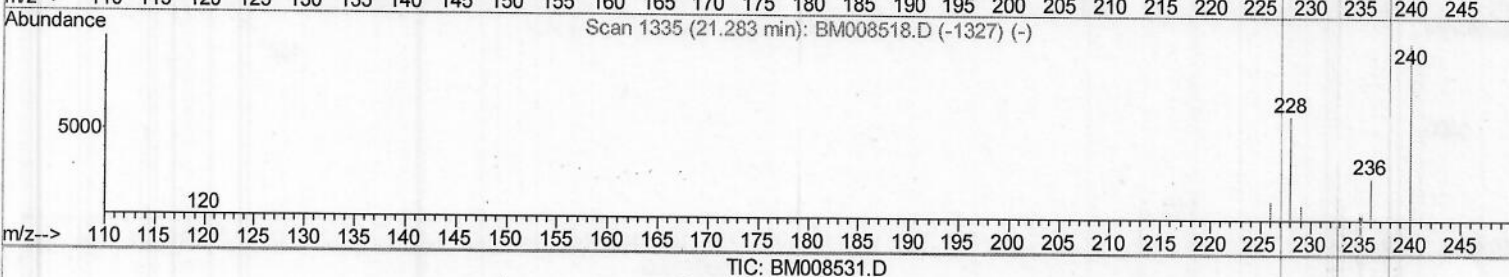
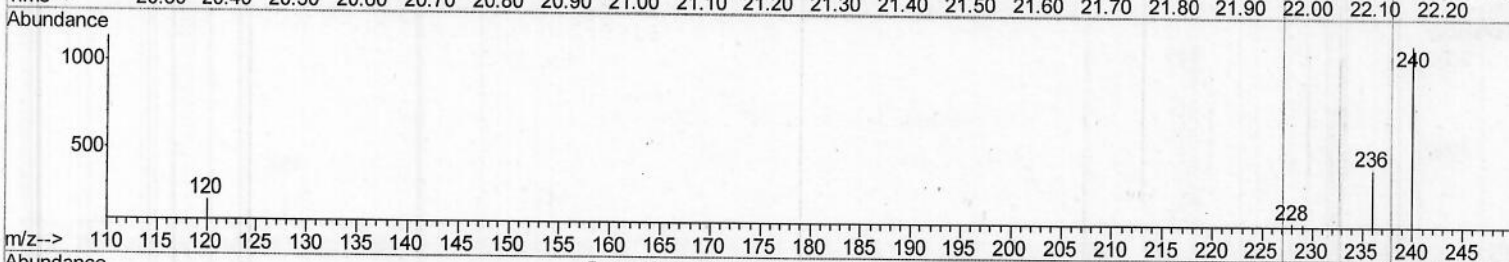
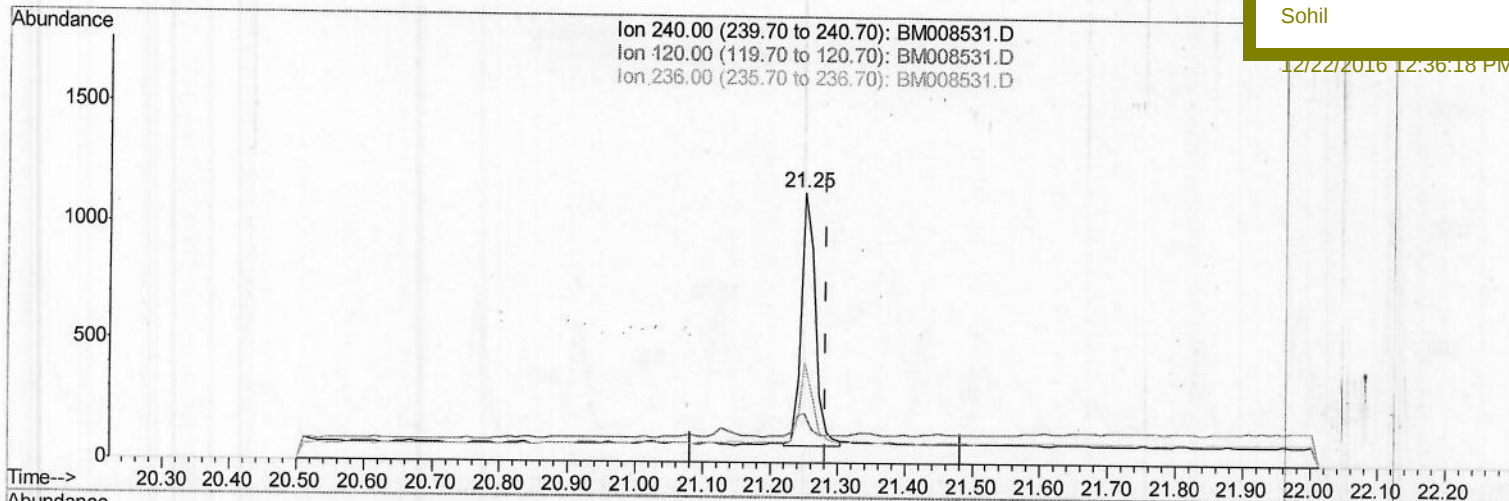
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 Client Sampled :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



(16) Chrysene-d12 (I)

21.252min (-0.031) 0.40ng/ul m

response 1558

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	18.21
236.00	34.90	36.85
0.00	0.00	0.00

S.J
12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

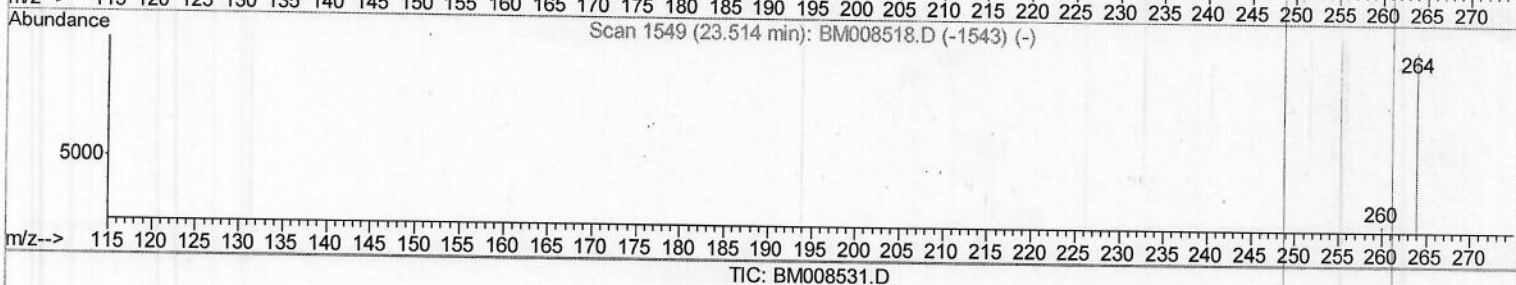
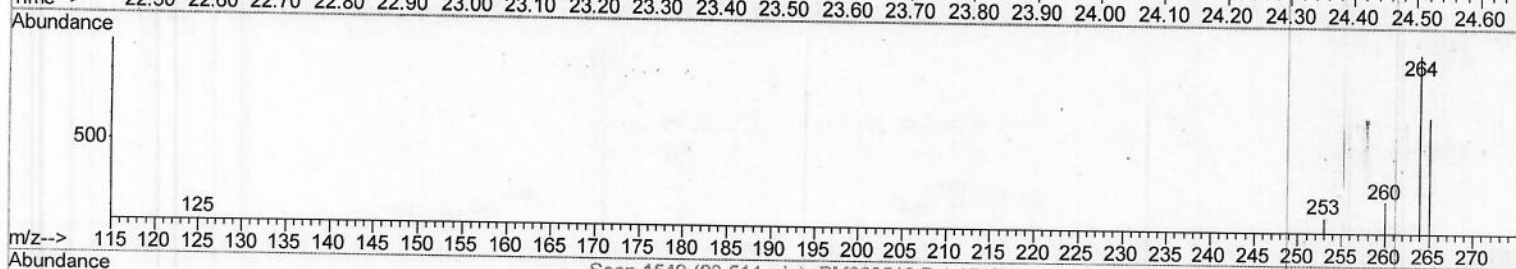
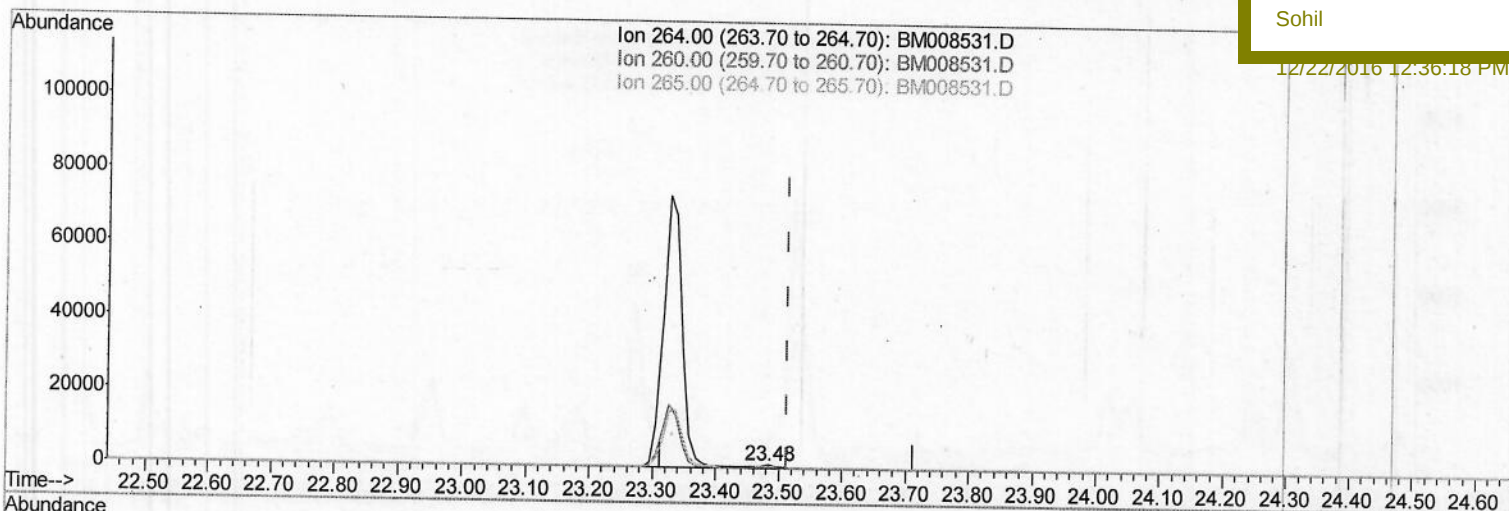
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



(20) Perylene-d12 (I)

23.483min (-0.031) 0.40ng/ul

response 2113

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.31
265.00	103.50	70.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

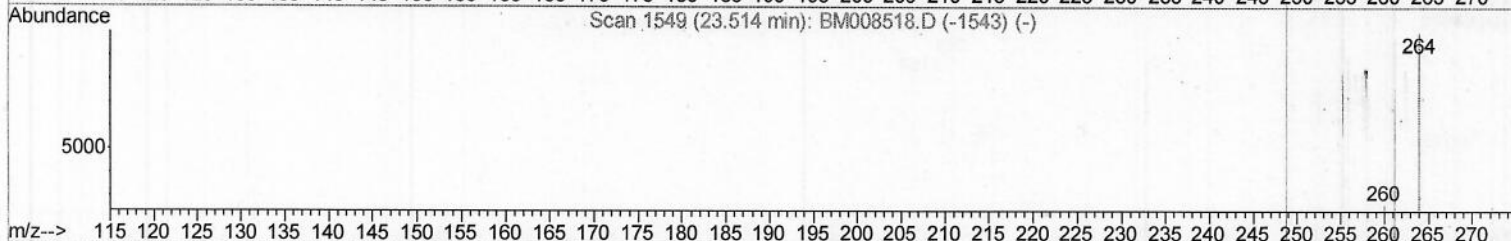
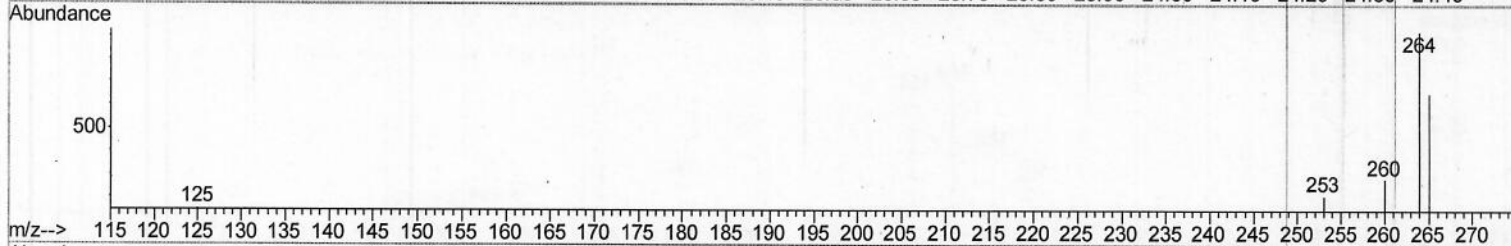
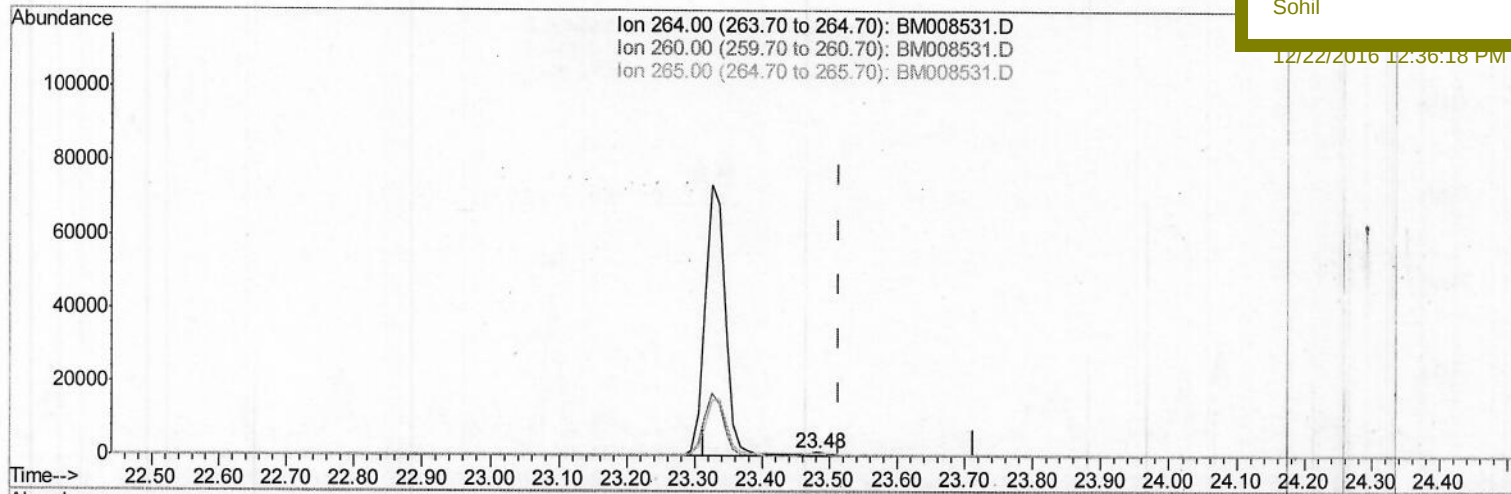
Quant Time: Dec 22 01:32:53 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(20) Perylene-d12 (I)

23.483min (-0.031) 0.40ng/ul m

response 1422

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.31
265.00	103.50	70.23#
0.00	0.00	0.00

SJ
 12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

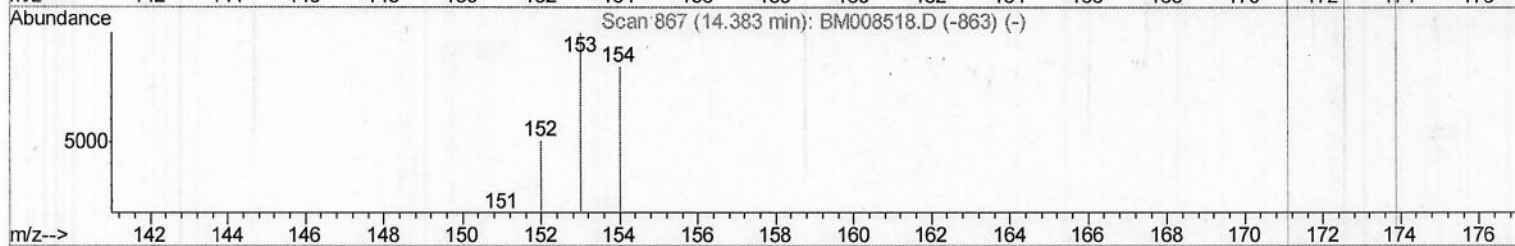
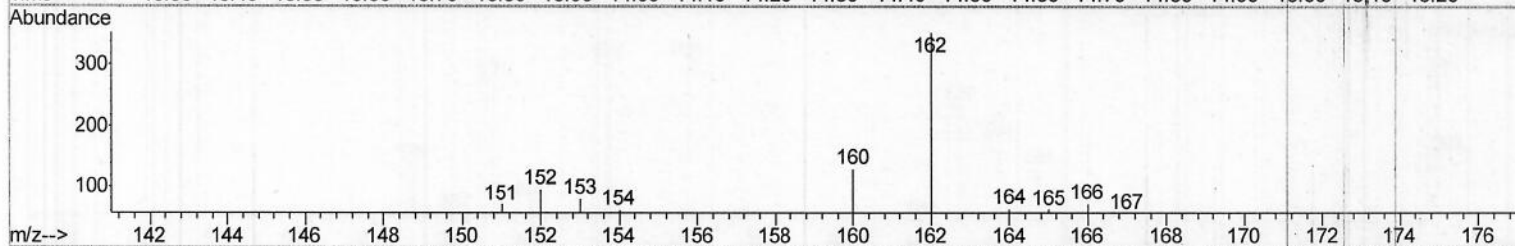
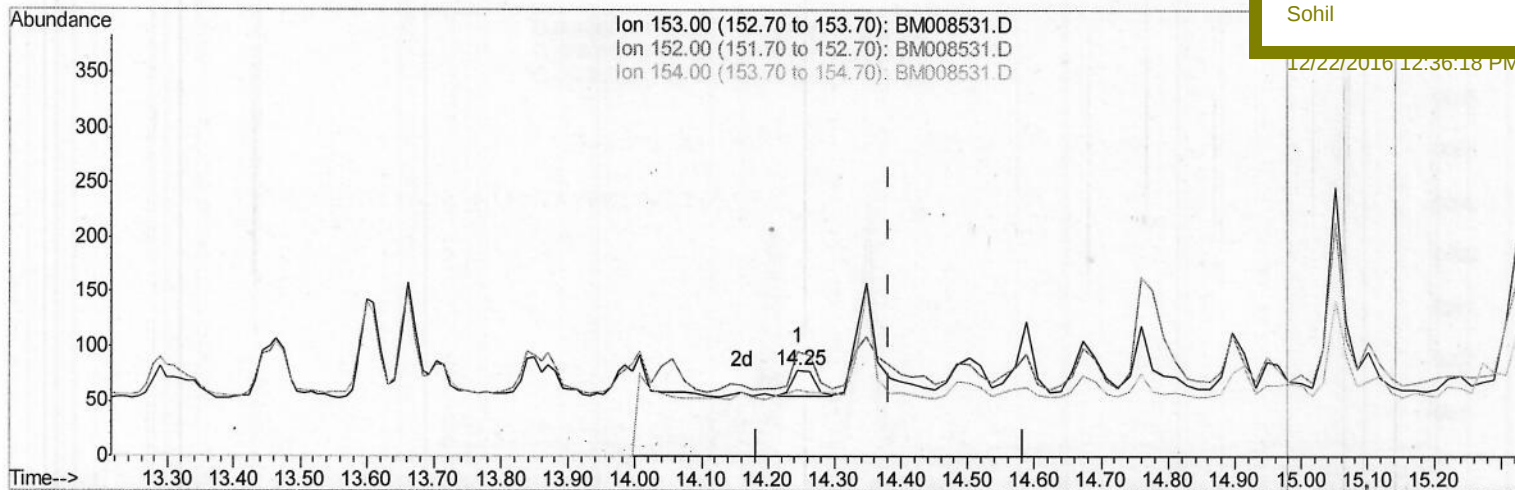
Quant Time: Dec 22 02:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(8) Acenaphthene (C)

14.246min (-0.137) 0.02ng/ul

response 55

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	120.25#
154.00	89.30	77.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

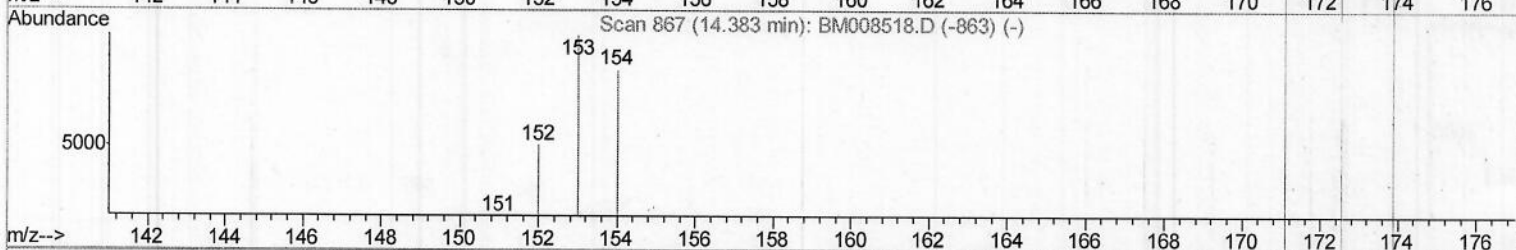
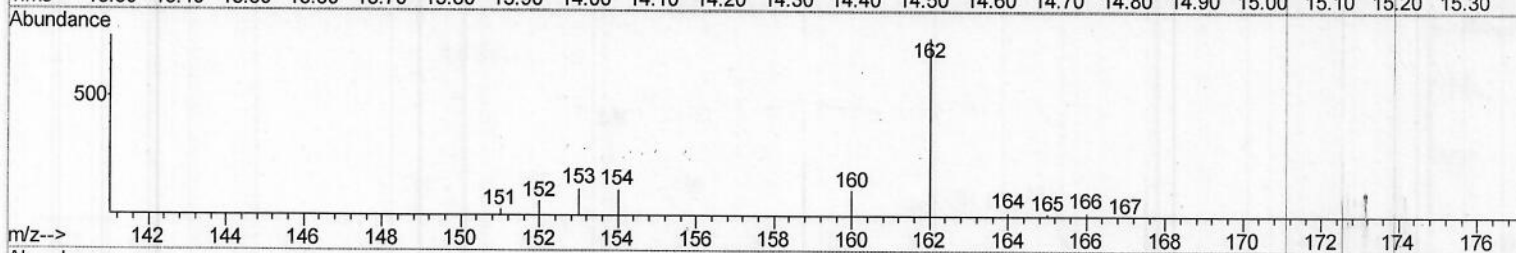
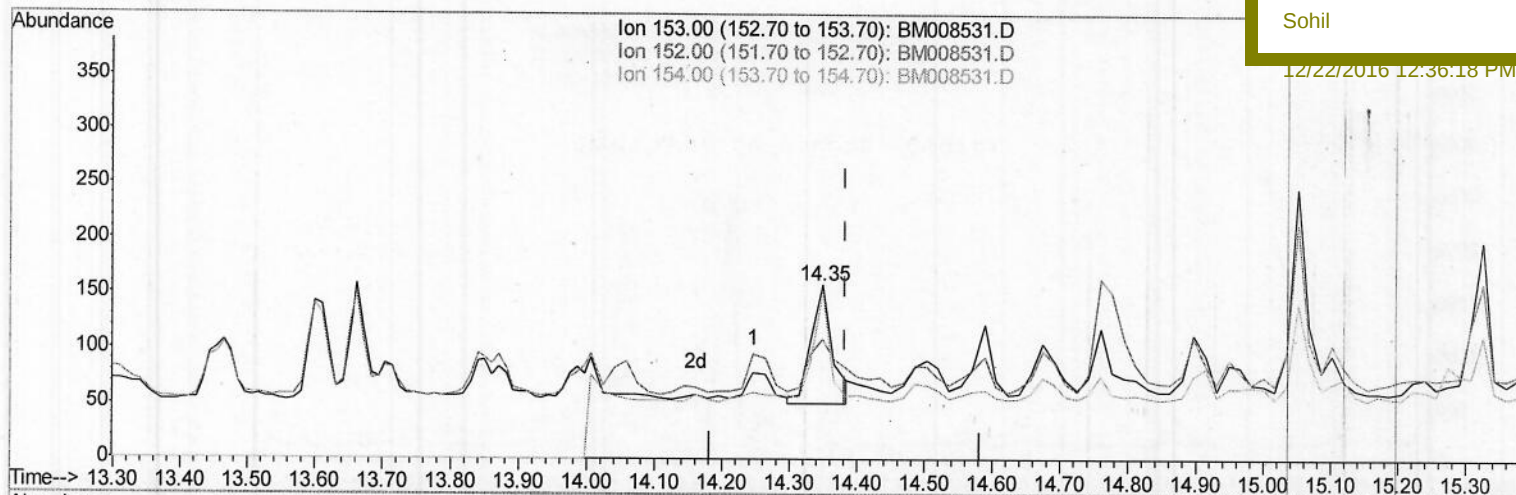
Quant Time: Dec 22 02:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 Client Sampled :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(8) Acenaphthene (C)

14.348min (-0.034) 0.07ng/ul m

response 234

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	68.99#
154.00	89.30	96.20
0.00	0.00	0.00

S.J
 12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

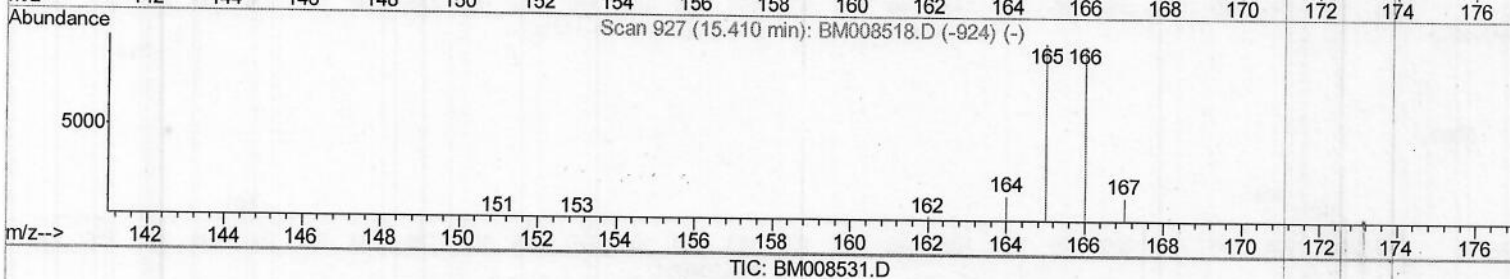
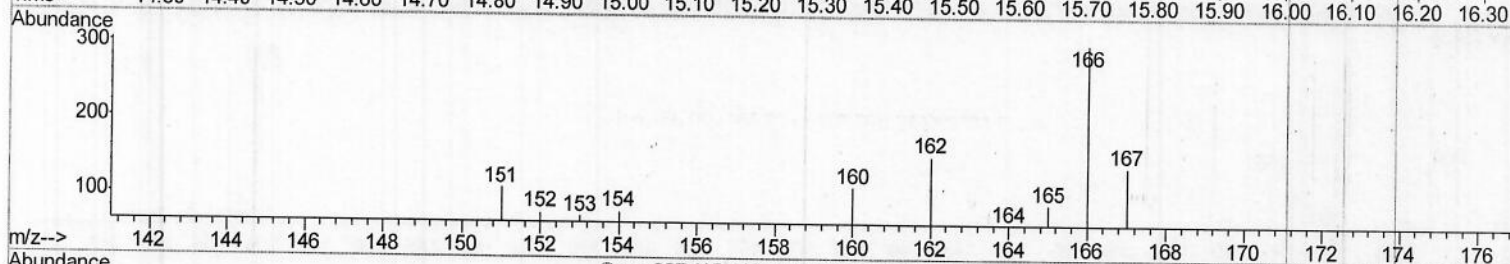
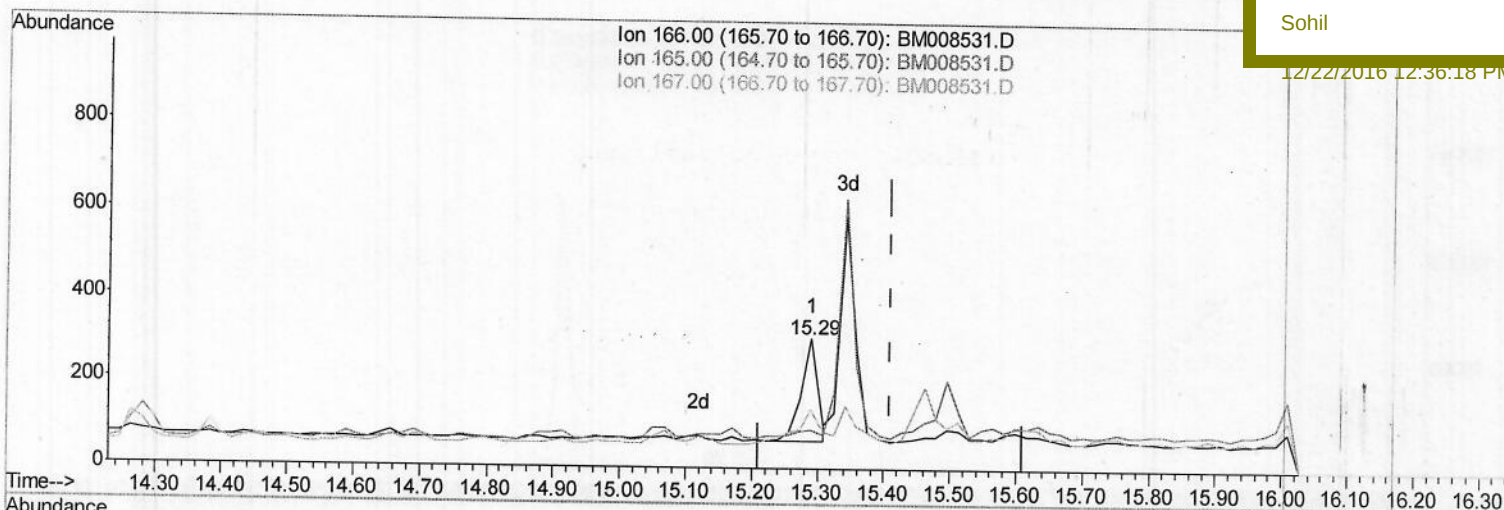
Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM

Quant Time: Dec 22 02:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration



TIC: BM008531.D

(9) Fluorene

15.290min (-0.120) 0.11ng/ul

response 407

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	29.37#
167.00	18.30	45.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

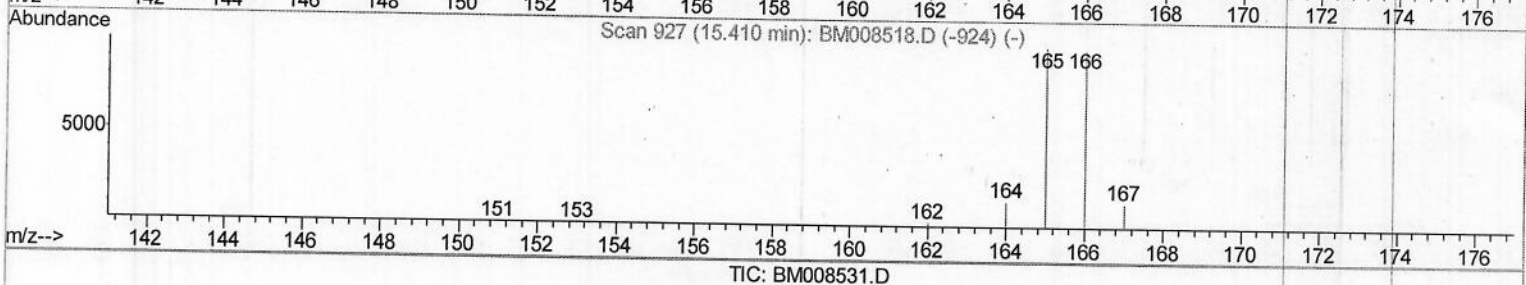
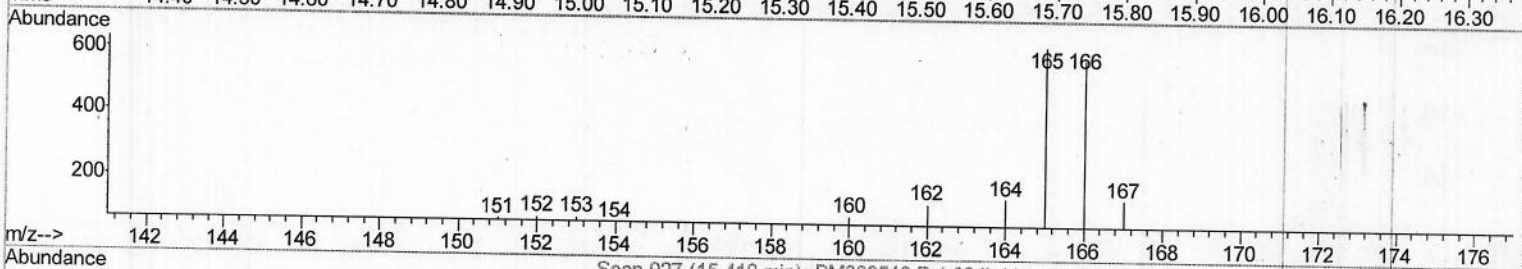
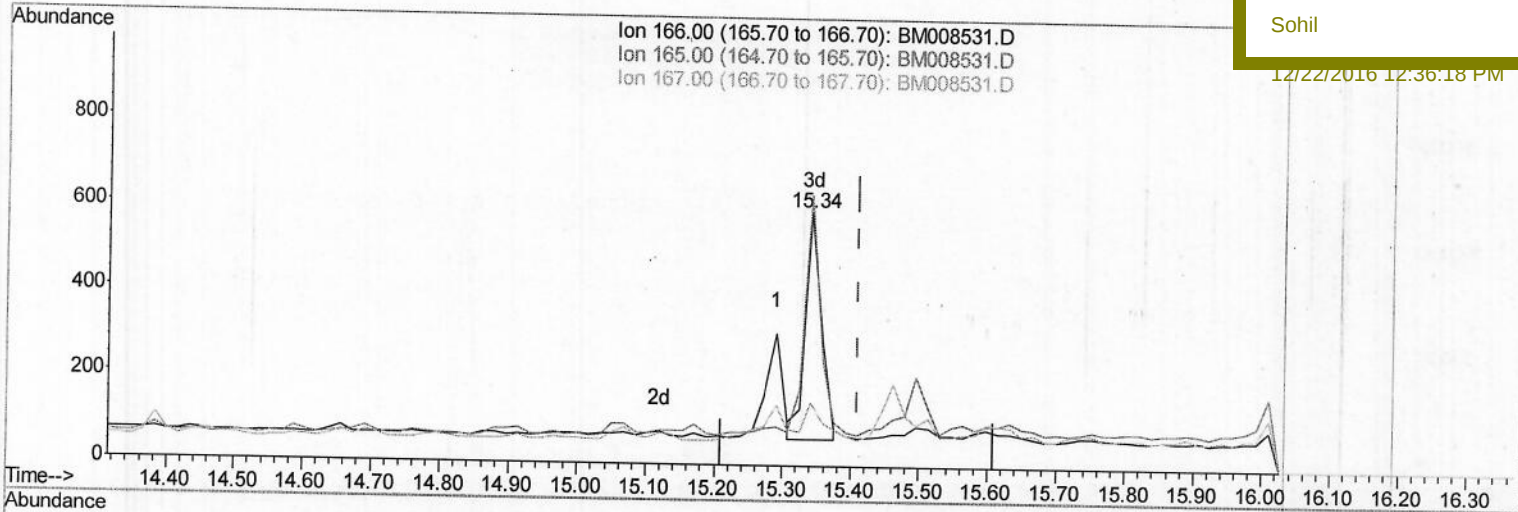
Quant Time: Dec 22 02:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



TIC: BM008531.D

(9) Fluorene

15.342min (-0.069) 0.22ng/ul m

response 863

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	106.59
167.00	18.30	24.83#
0.00	0.00	0.00

S.J.
 12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

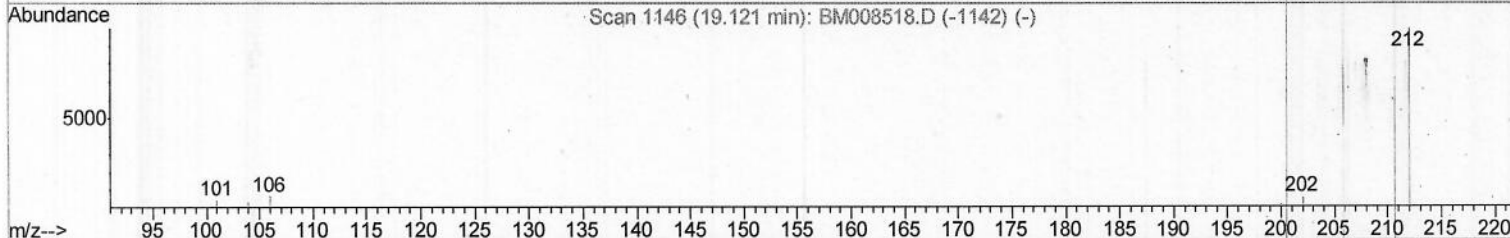
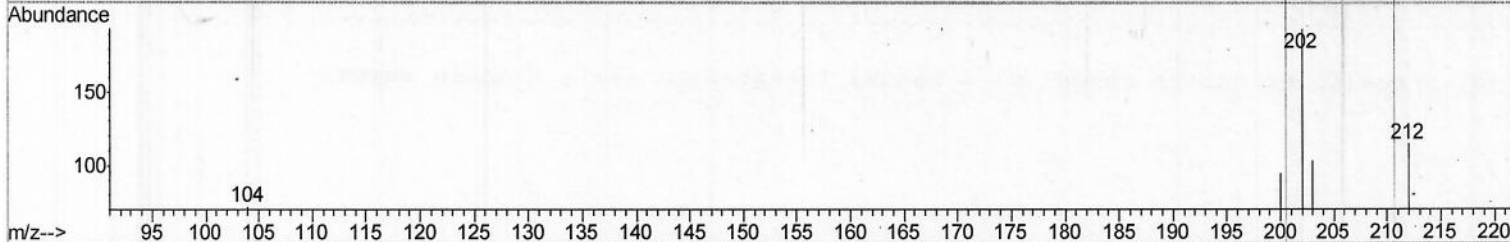
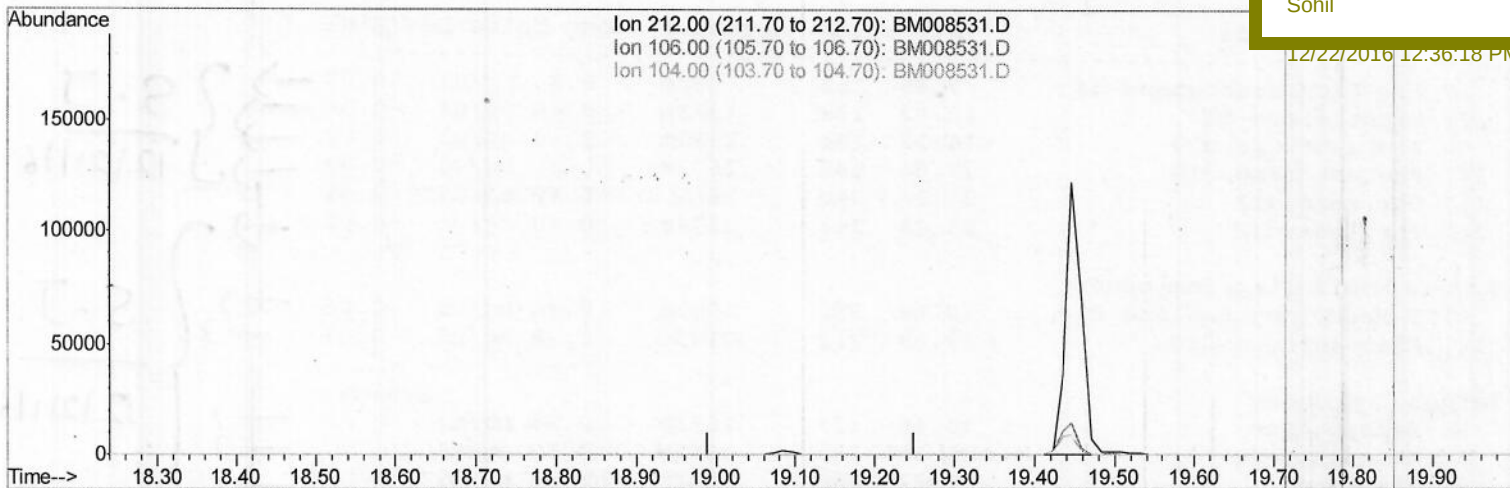
Quant Time: Dec 22 02:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



(14) Fluoranthene-d10 (SURR)

19.121min (-19.121) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

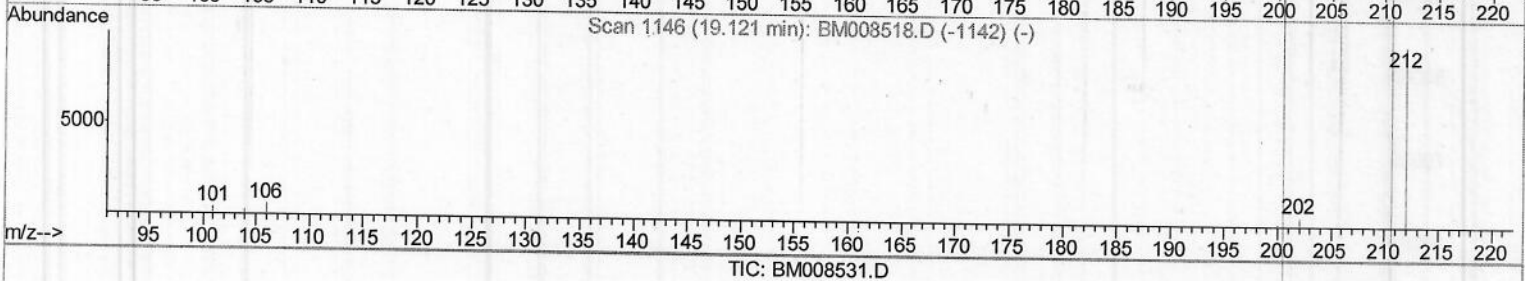
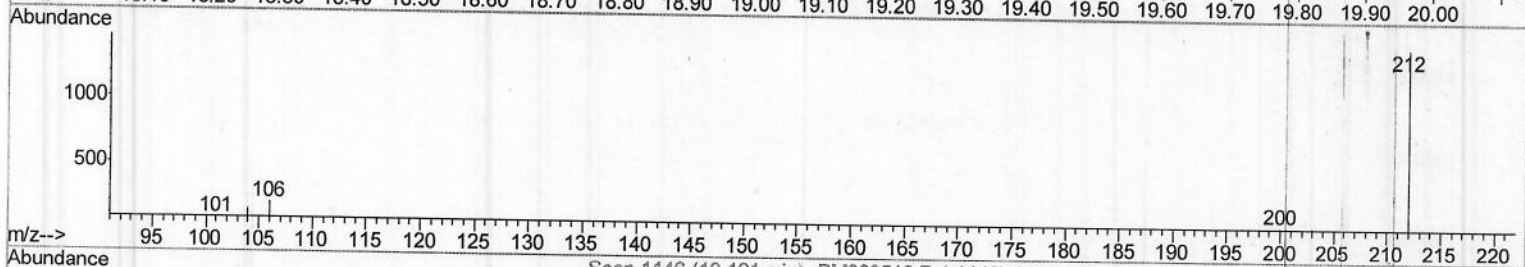
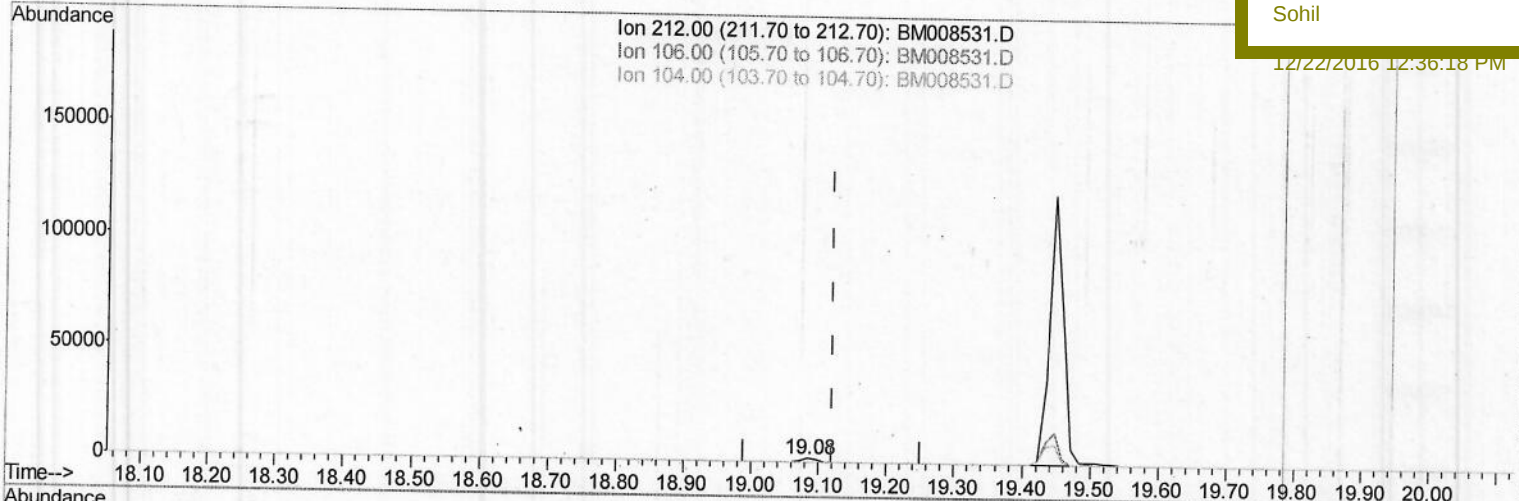
Quant Time: Dec 22 02:13:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM



(14) Fluoranthene-d10 (SURR)

19.084min (-0.036) 0.44ng/ul m

response 2124

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

S.J
 12/22/2016

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

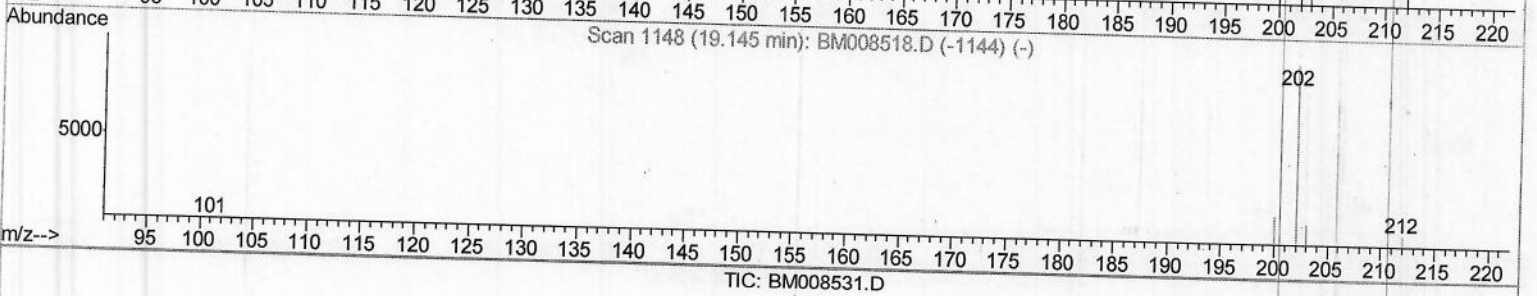
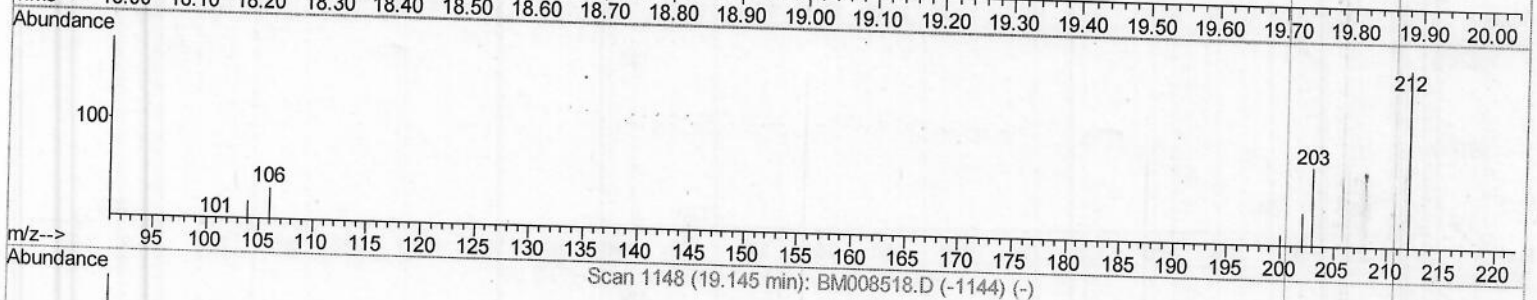
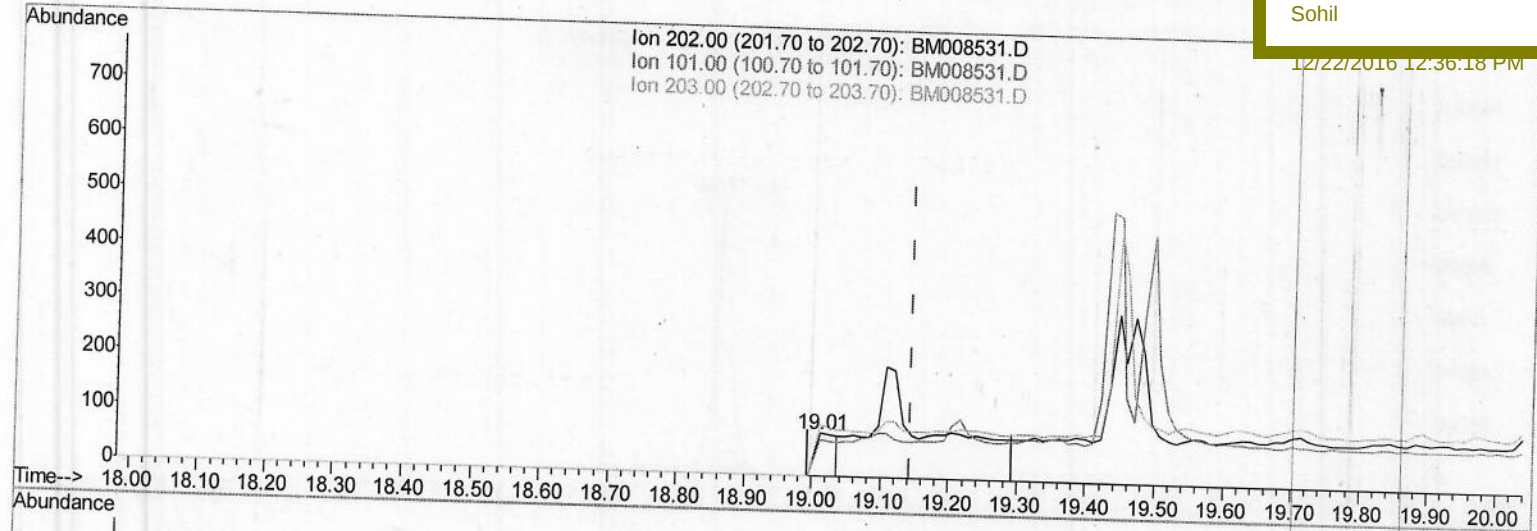
Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM

Quant Time: Dec 22 02:15:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.012min (-0.133) 0.03ng/ul

response 197

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	84.42#
203.00	19.50	120.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

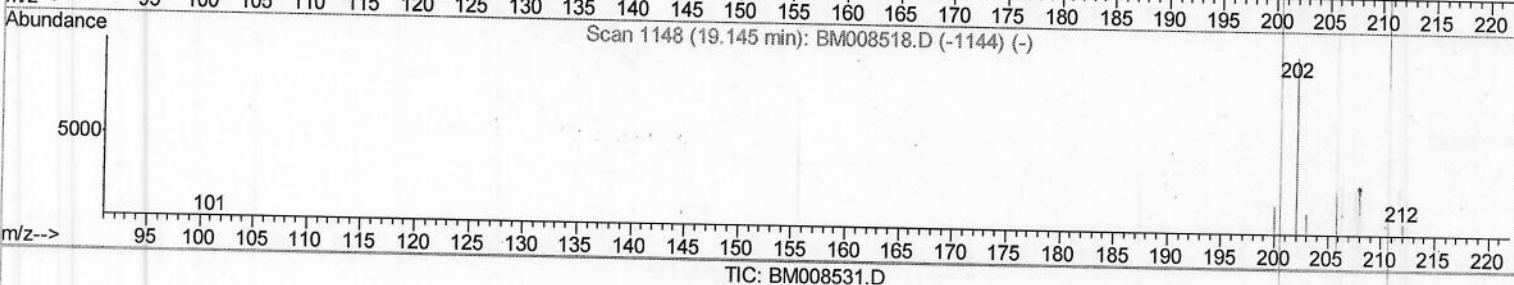
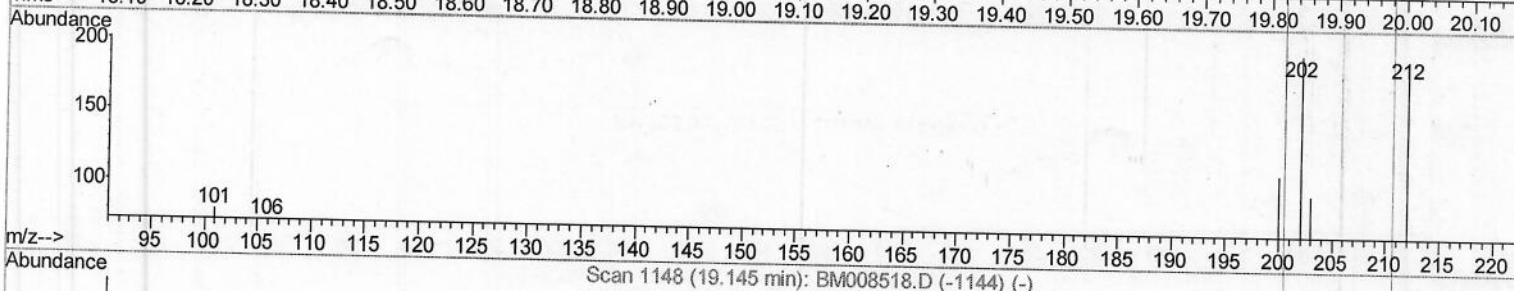
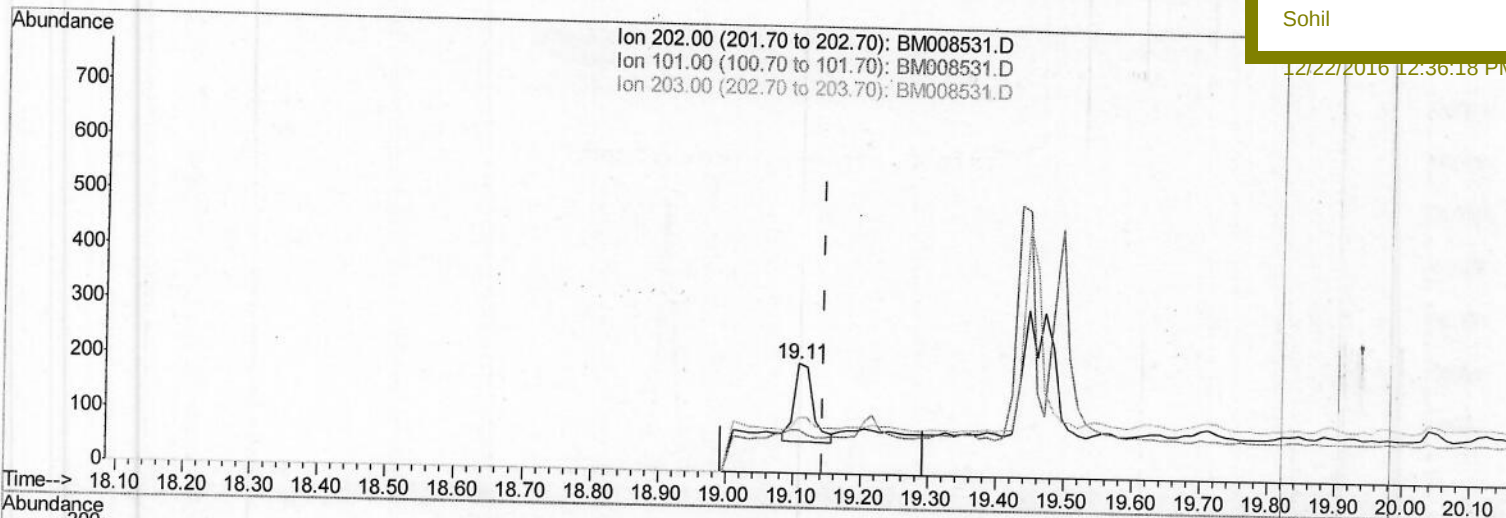
Quant Time: Dec 22 02:15:11 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:35:18 PM



(15) Fluoranthene (C)

19.108min (-0.036) 0.04ng/ul m

response 281

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	39.80#
203.00	19.50	50.75#
0.00	0.00	0.00

S. J
12/22/2016

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008531.D
 Acq On : 21 Dec 2016 23:37
 Operator : UM/SJ
 Sample : H6040-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sample ID :
 DA8W2

Manual Integrations
 APPROVED

Sohil

12/22/2016 12:36:18 PM

Quant Time: Dec 22 02:16:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 00:24:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	423	0.40	ng/ul	-0.09
2) Naphthalene-d8	10.42	136	1414	0.40	ng/ul	-0.08
6) Acenaphthene-d10	14.28	164	990m	0.40	ng/ul	-0.05
10) Phenanthrene-d10	17.04	188	1773m	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1558m	0.40	ng/ul	-0.03
20) Perylene-d12	23.48	264	1422m	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	869	0.40	ng/ul	-0.09
14) Fluoranthene-d10	19.08	212	2124m	0.44	ng/ul	-0.04

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	3681	0.93	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	2884	1.08	ng/ul	100
8) Acenaphthene	14.35	153	234m	0.07	ng/ul	→
9) Fluorene	15.34	166	863m	0.22	ng/ul	→
12) Phenanthrene	17.07	178	796	0.15	ng/ul#	78
15) Fluoranthene	19.11	202	281m	0.04	ng/ul	→

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
Data File : BM008531.D
Acq On : 21 Dec 2016 23:37
Operator : UM/SJ
Sample : H6040-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 22 02:16:22 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 22 00:24:45 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA8W2

Manual Integrations
APPROVED

Sohil

12/22/2016 12:36:18 PM

