

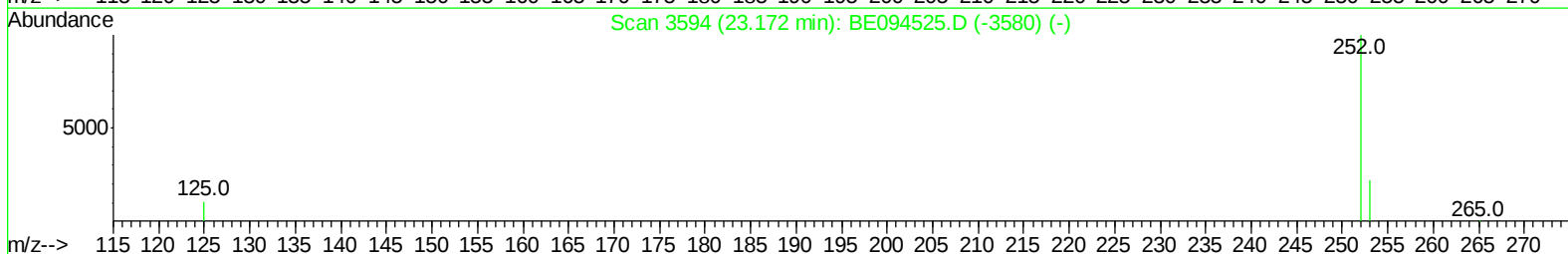
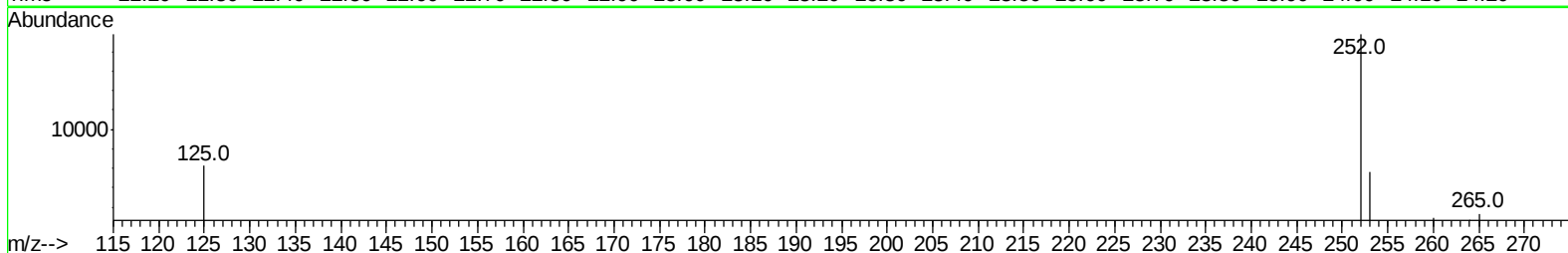
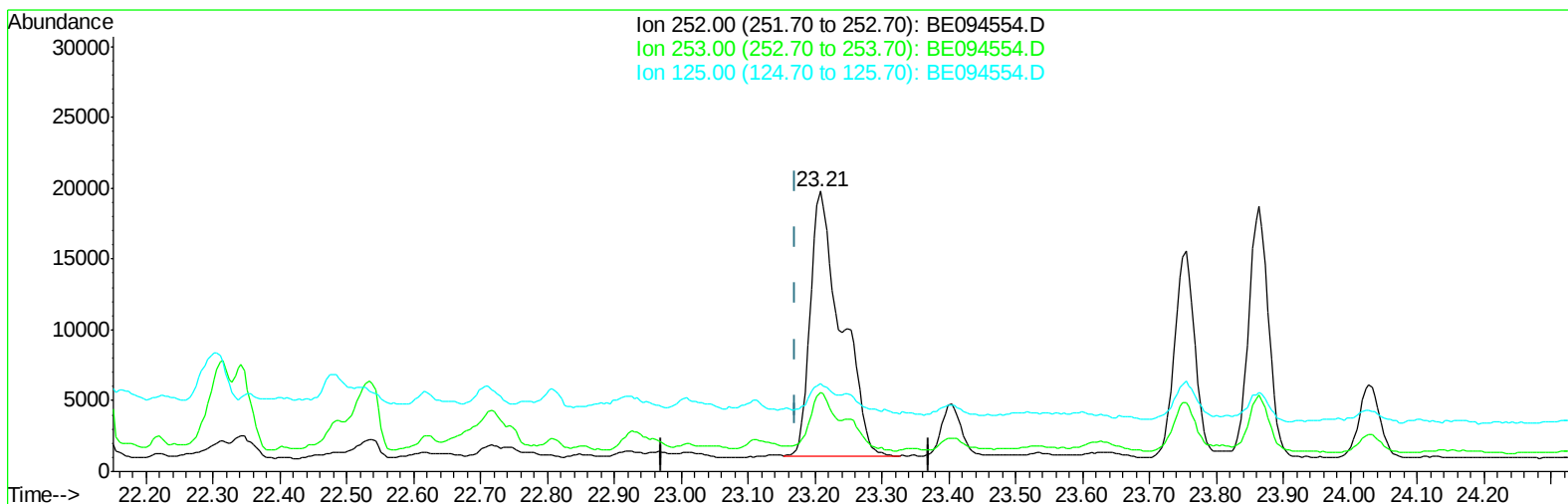
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 12:01:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(21) Benzo(b)fluoranthene

23.208min (+0.036) 2.17ng/ul

response 60268

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.27
125.00	17.50	31.40
0.00	0.00	0.00

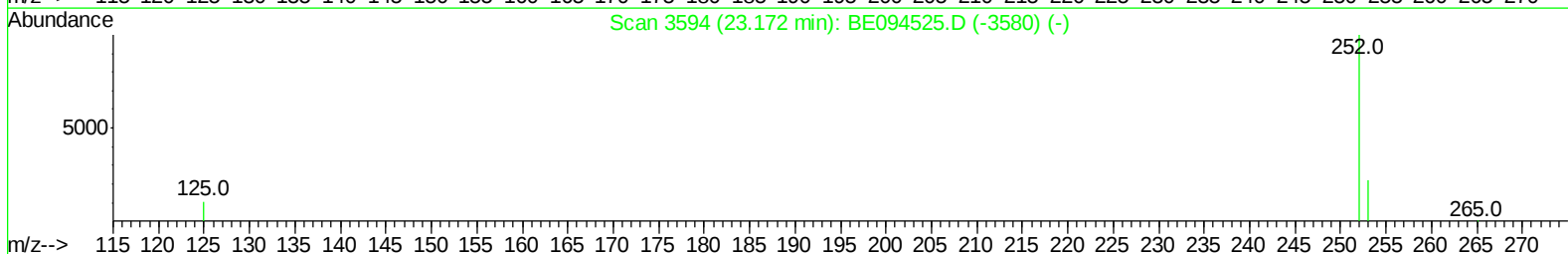
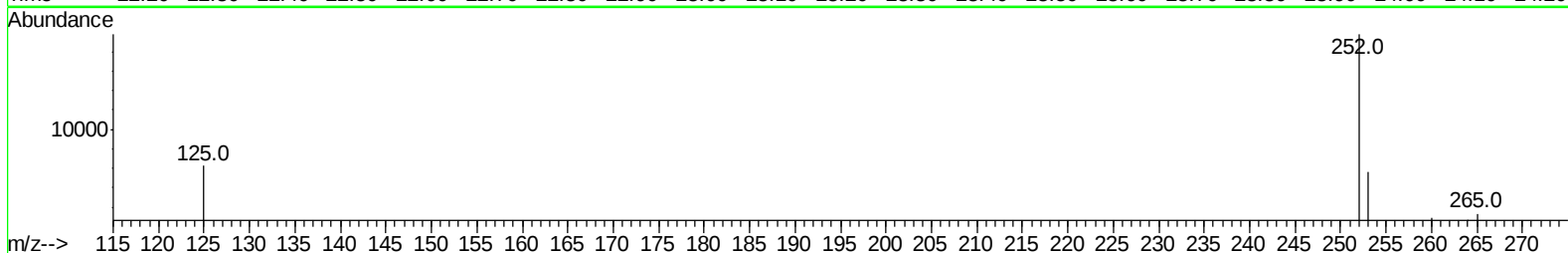
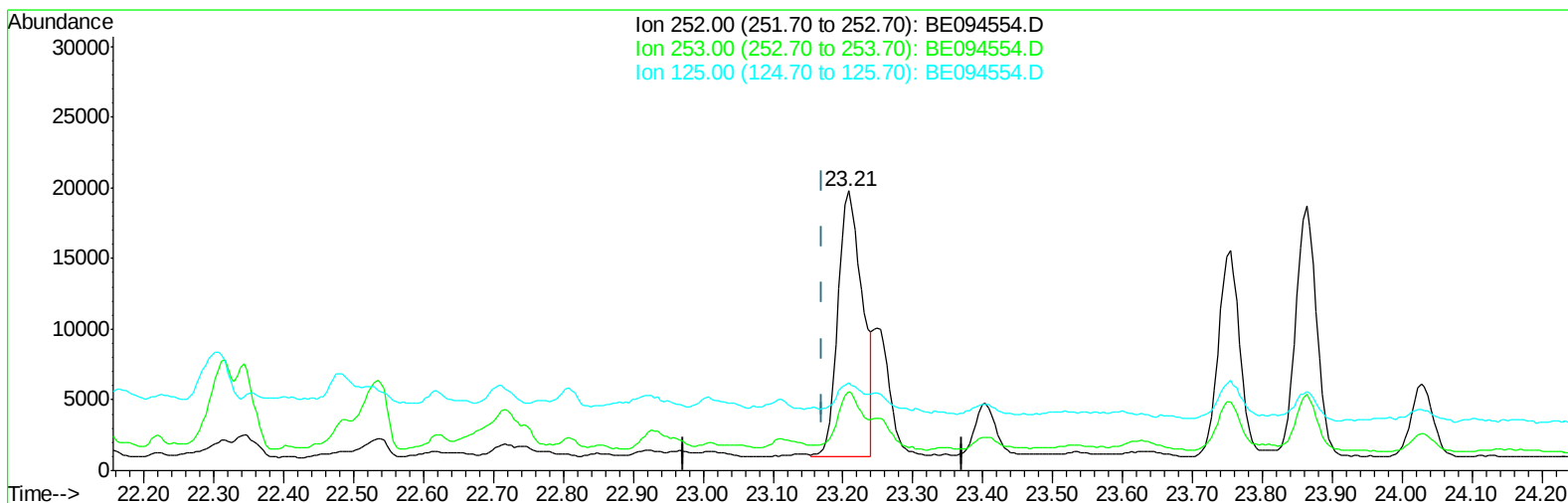
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 12:01:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(21) Benzo(b)fluoranthene

23.208min (+0.036) 1.65ng/ul m

response 45905

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.27
125.00	17.50	31.40
0.00	0.00	0.00

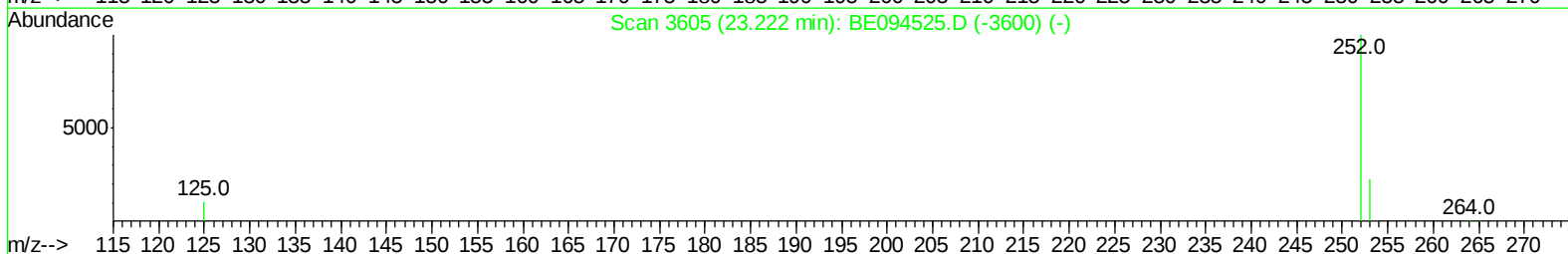
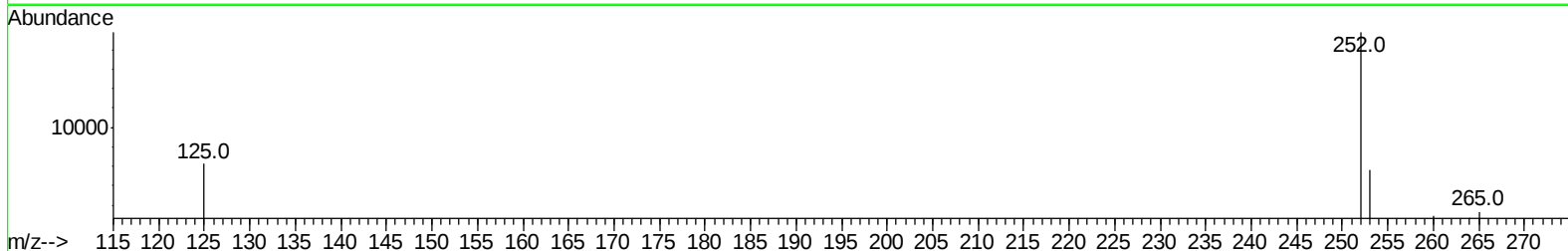
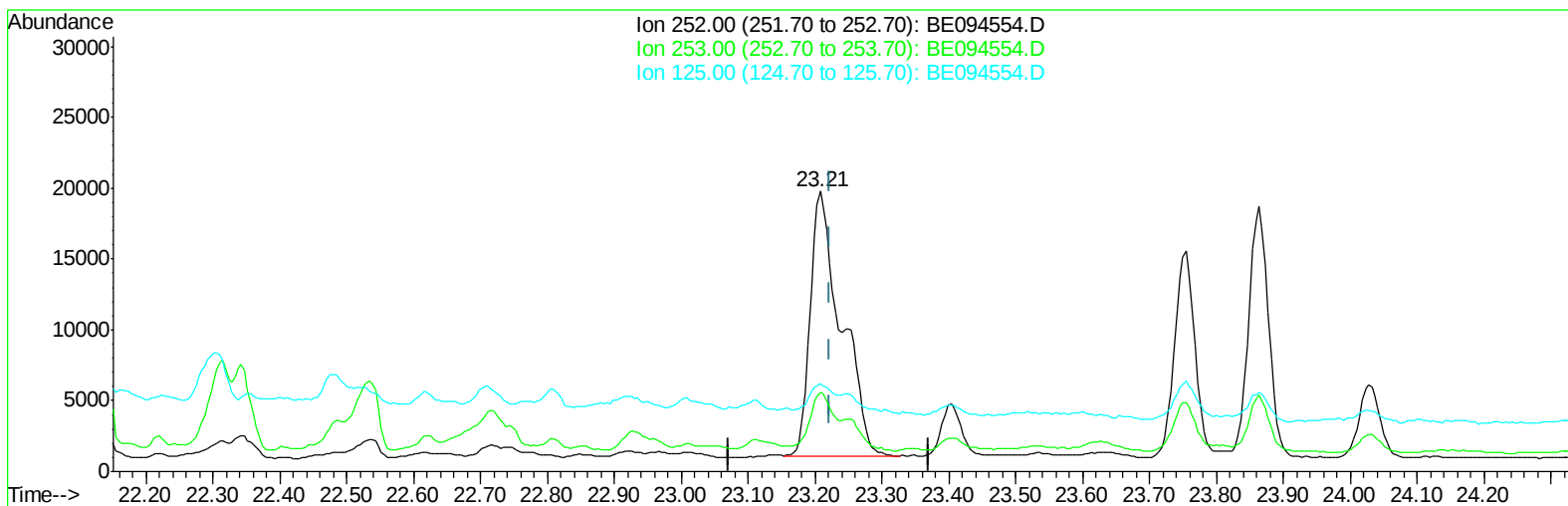
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 12:01:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(22) Benzo(k)fluoranthene

23.208min (-0.014) 2.02ng/ul

response 60268

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.27
125.00	17.10	31.40#
0.00	0.00	0.00

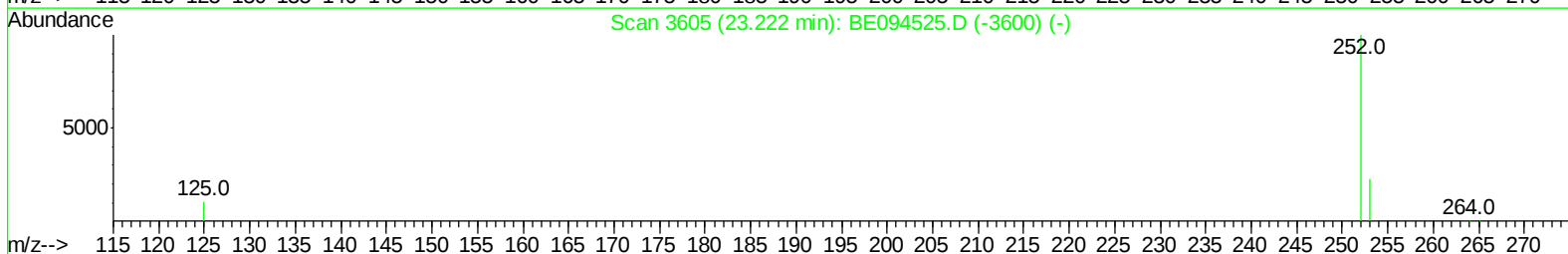
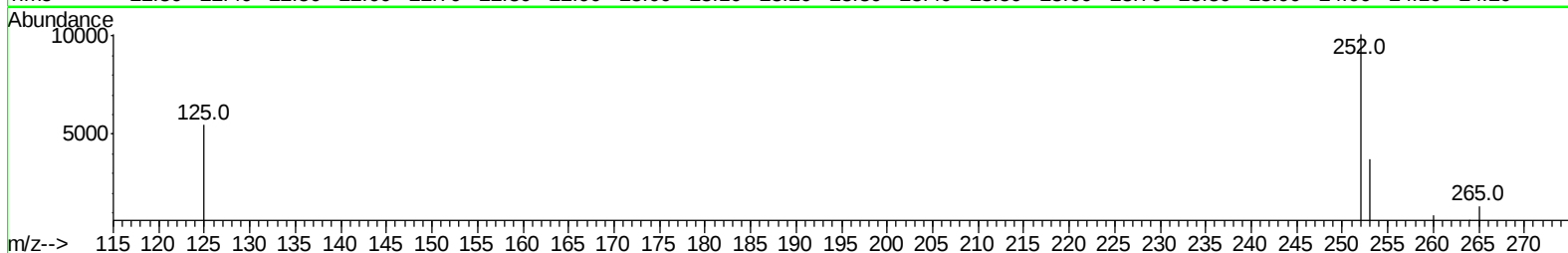
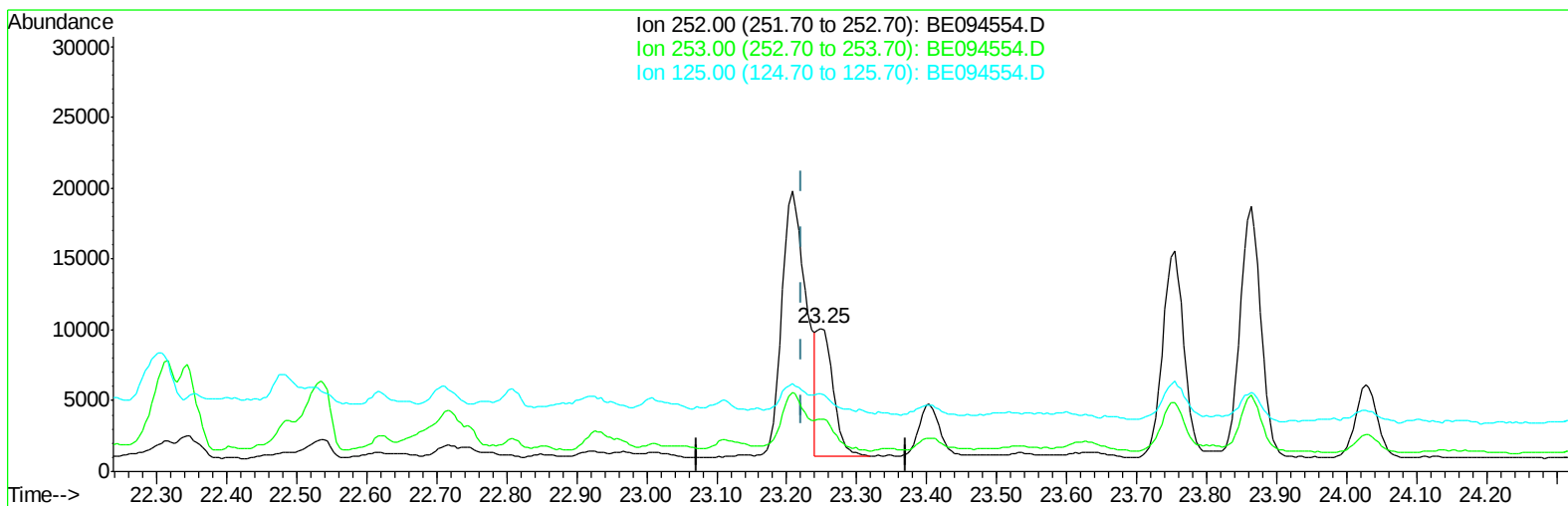
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 12:01:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(22) Benzo(k)fluoranthene

23.249min (+0.027) 0.50ng/ul m

response 14795

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	37.00#
125.00	17.10	54.17#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
 Data File : BE094554.D
 Acq On : 26 Oct 2017 4:05
 Operator : SJ/JU
 Sample : I5747-08 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-34(5-5.5)-100617

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:56:50 AM

Quant Time: Oct 26 13:44:56 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2194	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8492	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	6974	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9135	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9421	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9879	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.25	152	1697	0.12	ng/ul	-0.04
14) Fluoranthene-d10	19.28	212	3786	0.14	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	121123	5.834	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	223819	15.408	ng/ul	99
7) Acenaphthylene	14.24	152	17055	0.541	ng/ul#	1
8) Acenaphthene	14.58	153	40094	1.769	ng/ul#	89
9) Fluorene	15.57	166	67186	2.639	ng/ul	88
12) Phenanthrene	17.29	178	283770	11.761	ng/ul#	89
13) Anthracene	17.39	178	31690	1.331	ng/ul#	87
15) Fluoranthene	19.31	202	81039	2.905	ng/ul	84
17) Pyrene	19.68	202	117191	4.024	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	46355	1.721	ng/ul#	84
19) Chrysene	21.46	228	52657	1.892	ng/ul#	86
21) Benzo(b)fluoranthene	23.21	252	45905m	1.652	ng/ul	
22) Benzo(k)fluoranthene	23.25	252	14795m	0.497	ng/ul	
23) Benzo(a)pyrene	23.86	252	37066	1.334	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.66	276	23861	0.830	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.65	278	6301	0.260	ng/ul#	29
26) Benzo(a,h,i)perylene	27.49	276	24038	1.041	ng/ul#	88

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

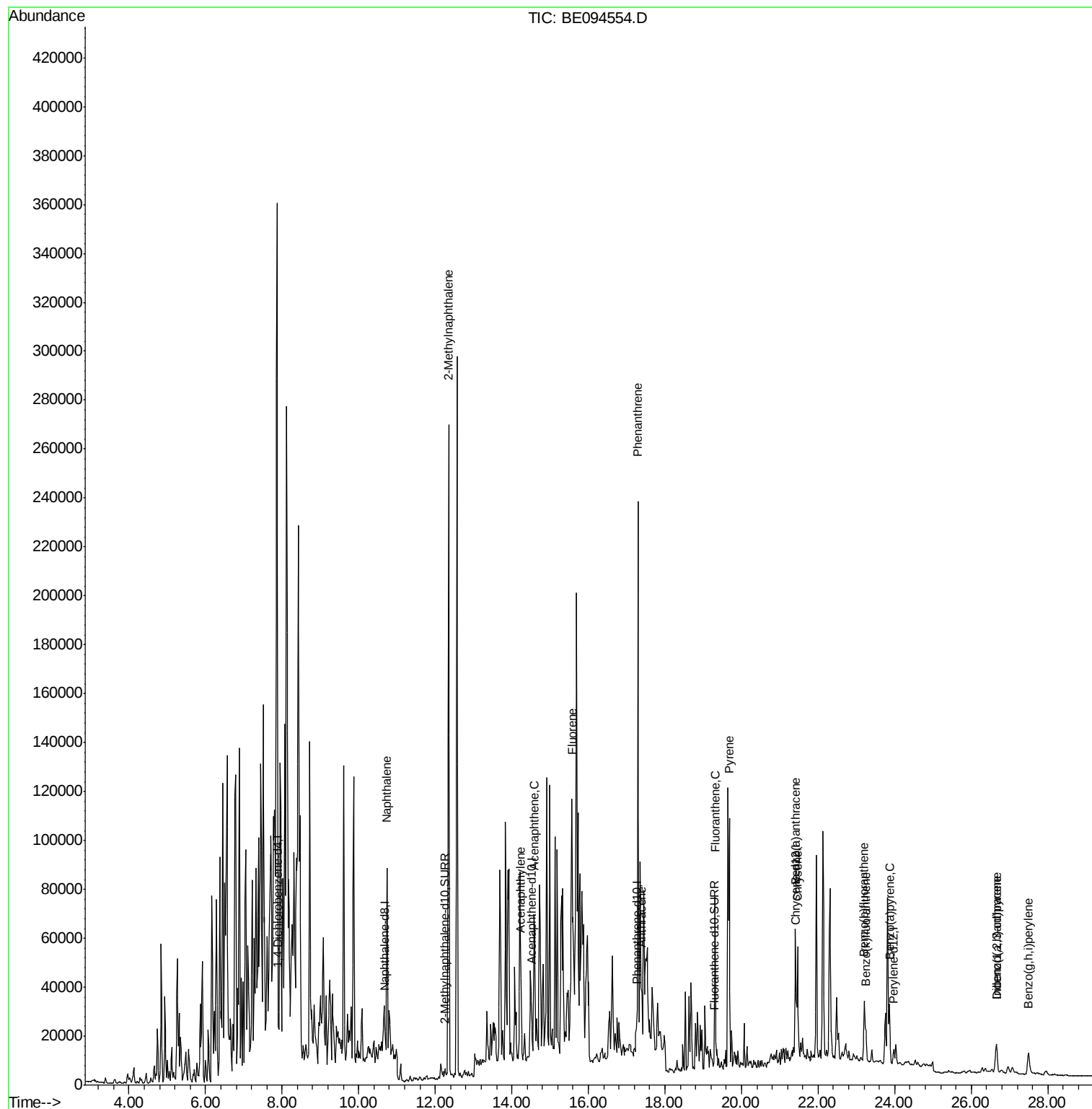
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 13:44:56 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



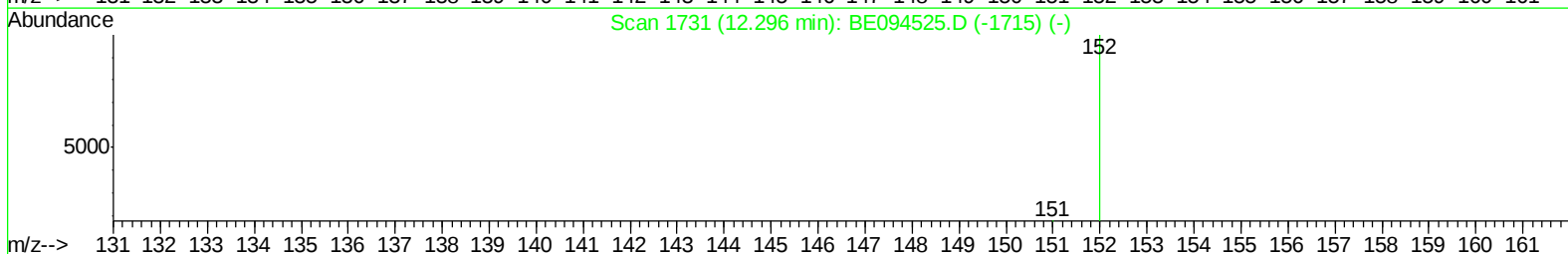
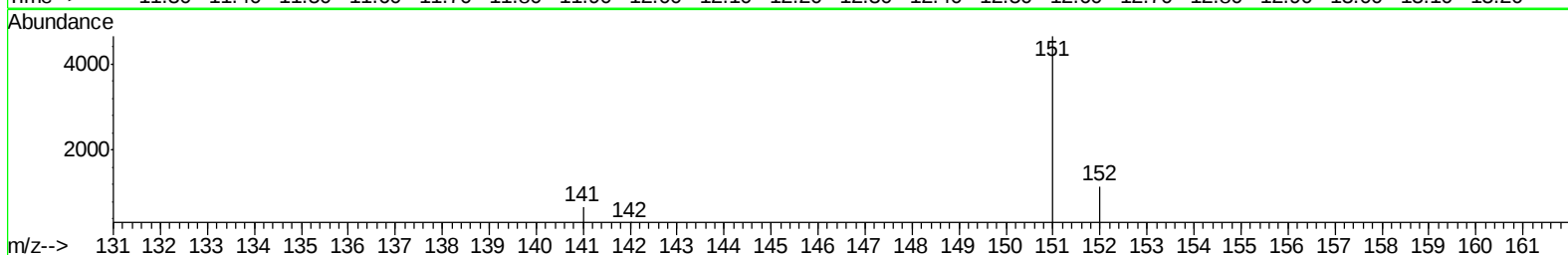
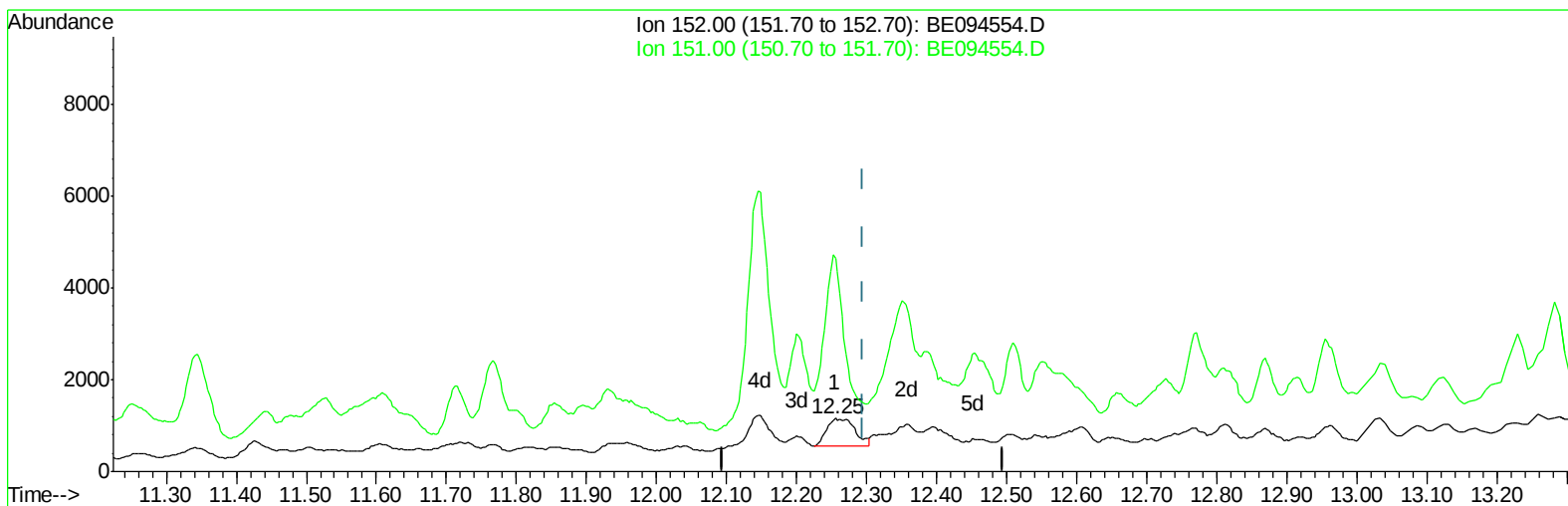
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 13:44:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.255min (-0.040) 0.12ng/ul

response 1697

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	337.24#
0.00	0.00	0.00
0.00	0.00	0.00

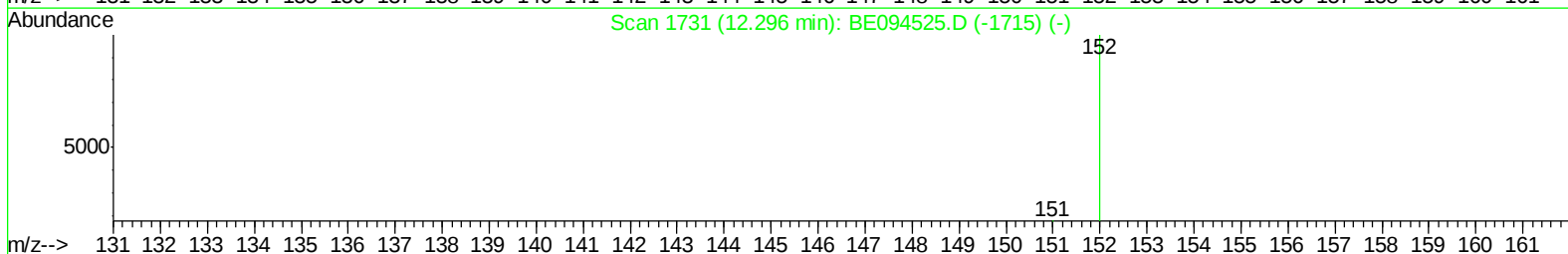
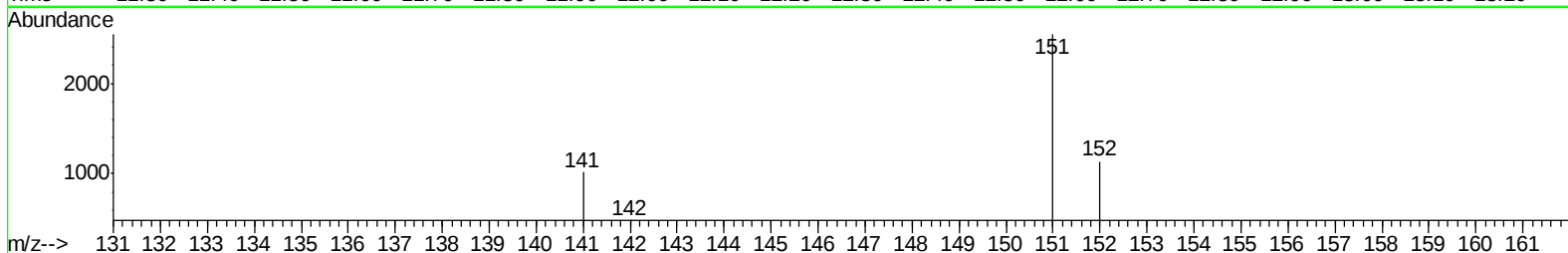
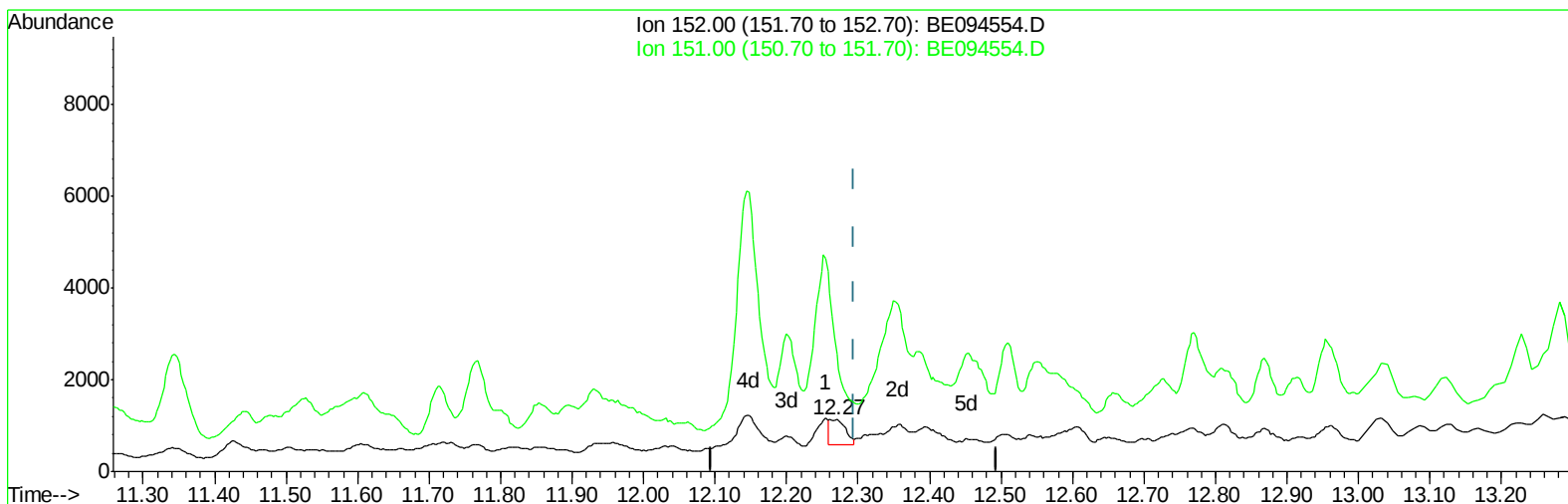
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 13:44:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.270min (-0.025) 0.06ng/ul m

response 855

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	669.36#
0.00	0.00	0.00
0.00	0.00	0.00

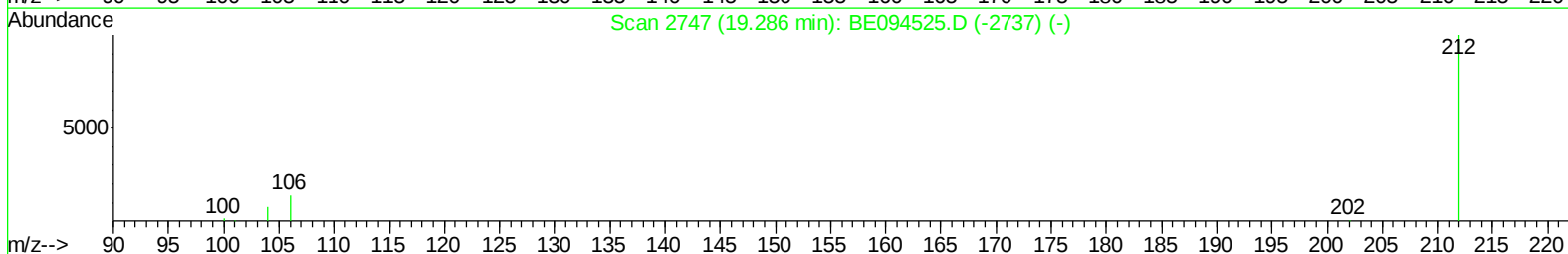
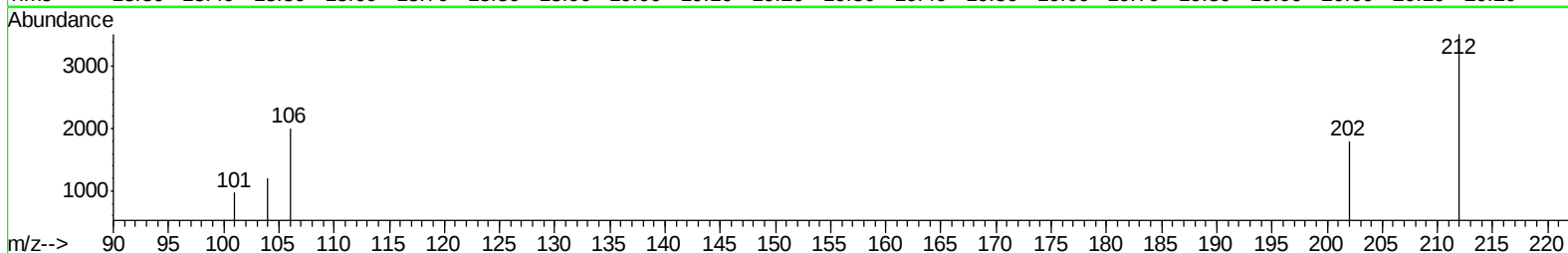
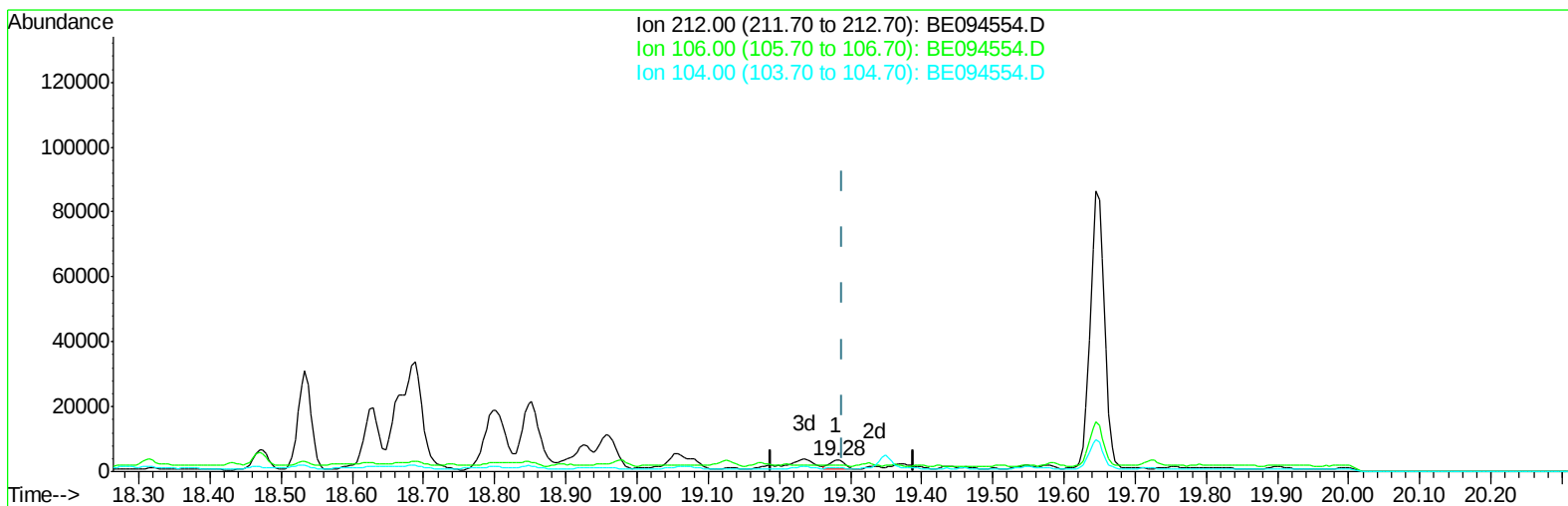
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 13:44:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(14) Fluoranthene-d10 (SURR)

19.280min (-0.009) 0.14ng/ul

response 3786

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	15.19
104.00	15.60	12.20#
0.00	0.00	0.00

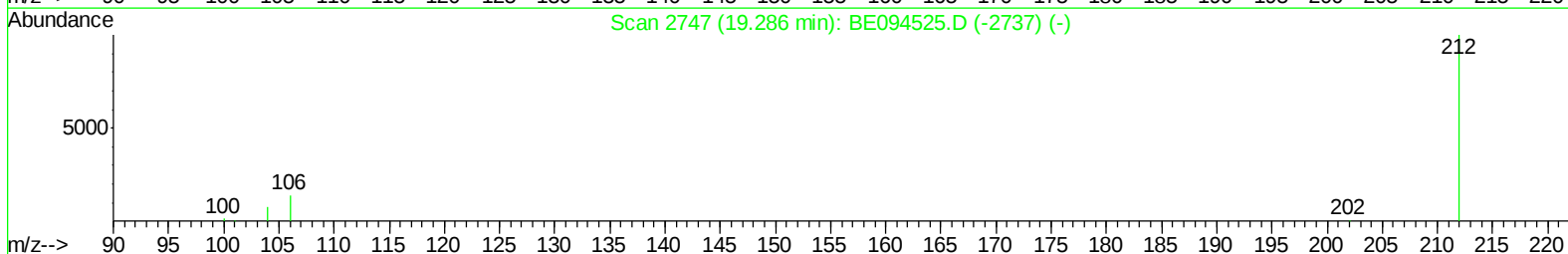
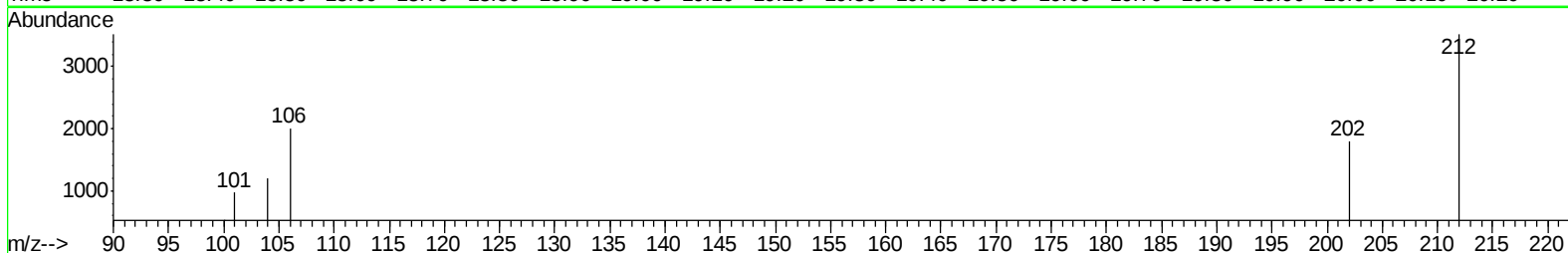
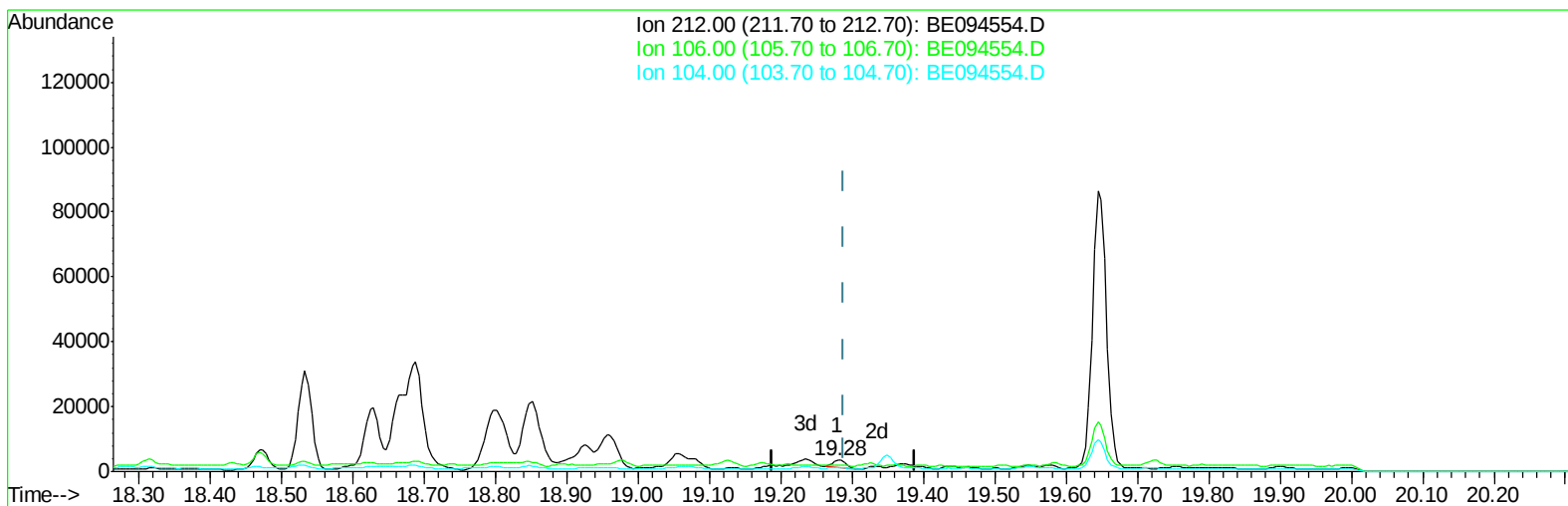
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 13:44:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



TIC: BE094554.D

(14) Fluoranthene-d10 (SURR)

19.280min (-0.009) 0.10ng/ul m

response 2675

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	21.50
104.00	15.60	17.27
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
 Data File : BE094554.D
 Acq On : 26 Oct 2017 4:05
 Operator : SJ/JU
 Sample : I5747-08 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-34(5-5.5)-100617

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:56:50 AM

Quant Time: Oct 26 18:36:02 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2194	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8492	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	6974	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9135	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9421	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9879	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	855m	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2675m	0.10	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	121123	5.834	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	223819	15.408	ng/ul	99
7) Acenaphthylene	14.24	152	17055	0.541	ng/ul#	1
8) Acenaphthene	14.58	153	40094	1.769	ng/ul#	89
9) Fluorene	15.57	166	67186	2.639	ng/ul	88
12) Phenanthrene	17.29	178	283770	11.761	ng/ul#	89
13) Anthracene	17.39	178	31690	1.331	ng/ul#	87
15) Fluoranthene	19.31	202	81039	2.905	ng/ul	84
17) Pyrene	19.68	202	117191	4.024	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	46355	1.721	ng/ul#	84
19) Chrysene	21.46	228	52657	1.892	ng/ul#	86
21) Benzo(b)fluoranthene	23.21	252	45905m	1.652	ng/ul	
22) Benzo(k)fluoranthene	23.25	252	14795m	0.497	ng/ul	
23) Benzo(a)pyrene	23.86	252	37066	1.334	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.66	276	23861	0.830	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.65	278	6301	0.260	ng/ul#	29
26) Benzo(g,h,i)perylene	27.49	276	24038	1.041	ng/ul#	88

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

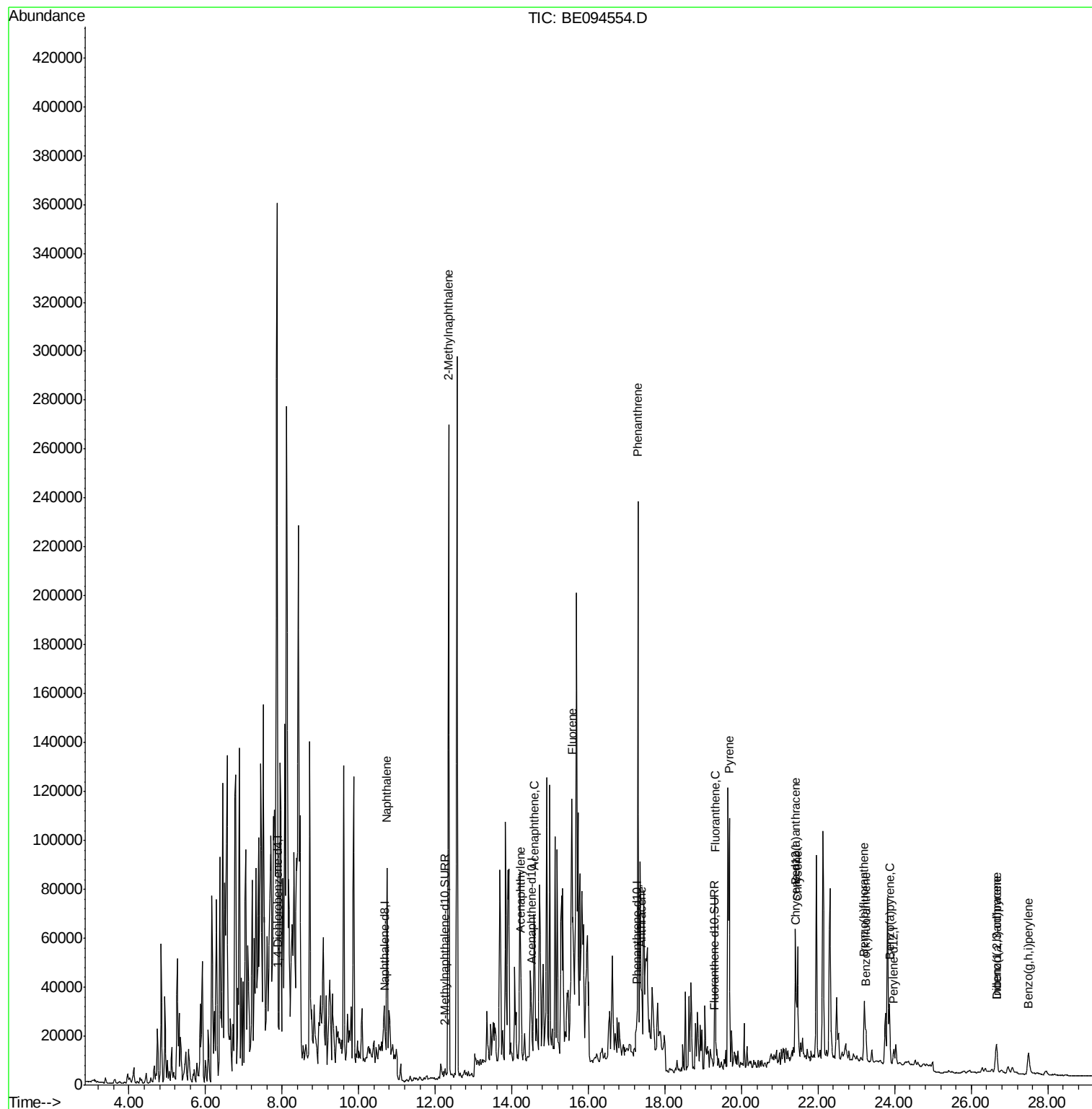
Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 18:36:02 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
 Data File : BE094554.D
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Instrument :
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 B-34(5-5.5)-100617

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:56:50 AM

Quant Time: Oct 26 18:36:02 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2194	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8492	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	6974	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9135	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9421	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9879	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	855m	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2675m	0.10	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	121123	5.834	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	223819	15.408	ng/ul	99
7) Acenaphthylene	14.24	152	17055	0.541	ng/ul#	1
8) Acenaphthene	14.58	153	40094	1.769	ng/ul#	89
9) Fluorene	15.57	166	67186	2.639	ng/ul	88
12) Phenanthrene	17.29	178	283770	11.761	ng/ul#	89
13) Anthracene	17.39	178	31690	1.331	ng/ul#	87
15) Fluoranthene	19.31	202	81039	2.905	ng/ul	84
17) Pyrene	19.68	202	117191	4.024	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	46355	1.721	ng/ul#	84
19) Chrysene	21.46	228	52657	1.892	ng/ul#	86
21) Benzo(b)fluoranthene	23.21	252	45905m	1.652	ng/ul	
22) Benzo(k)fluoranthene	23.25	252	14795m	0.497	ng/ul	
23) Benzo(a)pyrene	23.86	252	37066	1.334	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.66	276	23861	0.830	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.65	278	6301	0.260	ng/ul#	29
26) Benzo(g,h,i)perylene	27.49	276	24038	1.041	ng/ul#	88

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

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102517\
Data File : BE094554.D
Acq On : 26 Oct 2017 4:05
Operator : SJ/JU
Sample : I5747-08 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
B-34(5-5.5)-100617

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM

Quant Time: Oct 26 18:36:02 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 25 18:44:03 2017
Response via : Initial Calibration

