LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.472	22	25	28	rVB	1925885	1989591	29.90%	8.546%
2	1.621	35	38	48	rVB	165883	332806	5.00%	1.430%
3	1.747	48	49	51	rVV	92859	132386	1.99%	0.569%
4	1.793	51	53	58	rVV	75004	135539	2.04%	0.582%
5	1.873	58	60	97	rVB	3175159	6654167	100.00%	28.583%
6	5.621	385	388	391	rVB	326283	340620	5.12%	1.463%
7	6.879	496	498	500	rBV	364082	363306	5.46%	1.561%
8	7.027	509	511	514	rBV	409393	380261	5.71%	1.633%
9	7.324	534	537	539	rBV	316392	407137	6.12%	1.749%
10	7.507	551	553	555	rVB	311169	293308	4.41%	1.260%
11	8.010	595	597	599	rBV	236445	218998	3.29%	0.941%
12	8.890	672	674	676	rBV	430113	561520	8.44%	2.412%
13	10.239	790	792	795	rBV	518445	454495	6.83%	1.952%
14	11.073	863	865	867	rBV	643055	615347	9.25%	2.643%
15	11.108	867	868	871	rVB	82062	79530	1.20%	0.342%
16	11.748	922	924	927	rBV	55888	69570	1.05%	0.299%
17	12.056	948	951	953	rVB2	185746	261118	3.92%	1.122%
18	12.914	1024	1026	1028	rBV	461656	694349	10.43%	2.983%
19	12.948	1028	1029	1031	rVV	855375	656695	9.87%	2.821%
20	13.016	1031	1035	1037	rVB	119400	168350	2.53%	0.723%
21	13.554	1079	1082	1083	rBV	65386	91911	1.38%	0.395%
22	13.588	1083	1085	1087	rVB	91437	125736	1.89%	0.540%
23	13.679	1091	1093	1095	rVV	140695	177759	2.67%	0.764%
24	13.919	1112	1114	1119	rVB2	55159	122251	1.84%	0.525%
25	14.239	1139	1142	1143	rBV	49989	71276	1.07%	0.306%
26	14.434	1156	1159	1161	rBV	674529	917732	13.79%	3.942%
27	14.708	1180	1183	1185	rBV	864830	970935	14.59%	4.171%
28	14.914	1198	1201	1204	rVB	510794	522896	7.86%	2.246%
29	14.994	1204	1208	1210	rBV2	44885	84997	1.28%	0.365%
30	15.120	1213	1219	1222	rVB3	69652	204072	3.07%	0.877%
31	15.257	1229	1231	1232	rBV	83769	105434	1.58%	0.453%
32	15.760	1271	1275	1278	rBV	52172	84372	1.27%	0.362%
33	15.897	1284	1287	1289	rBV2	58630	109000	1.64%	0.468%
34	15.954	1289	1292	1293	rVV2	64465	151296	2.27%	0.650%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.022	1296	1298	1301	rVB	52828	79126	1.19%	0.340%
36	16.091	1301	1304	1310	rVB4	32100	84992	1.28%	0.365%
37	16.217	1311	1315	1316	rVV2	661567	1160629	17.44%	4.985%
38	16.251	1316	1318	1319	rVV	251445	348015	5.23%	1.495%
39	16.343	1322	1326	1328	rBV	71897	103486	1.56%	0.445%
40	16.708	1356	1358	1360	rBV	61048	86932	1.31%	0.373%
41	17.508	1425	1428	1433	rBV	315287	698504	10.50%	3.000%
42	17.828	1453	1456	1459	rVB	212143	291555	4.38%	1.252%
43	17.886	1459	1461	1464	rBV	276695	356769	5.36%	1.533%
44	17.954	1464	1467	1476	rVB2	551876	882551	13.26%	3.791%
45	19.440	1594	1597	1602	rVB2	128502	276643	4.16%	1.188%
46	19.634	1611	1614	1616	rBV	29926	77432	1.16%	0.333%
47	19.874	1632	1635	1638	rBV	107626	204911	3.08%	0.880%
48	20.114	1653	1656	1661	rVB	33305	79788	1.20%	0.343%

Sum of corrected areas: 23280093

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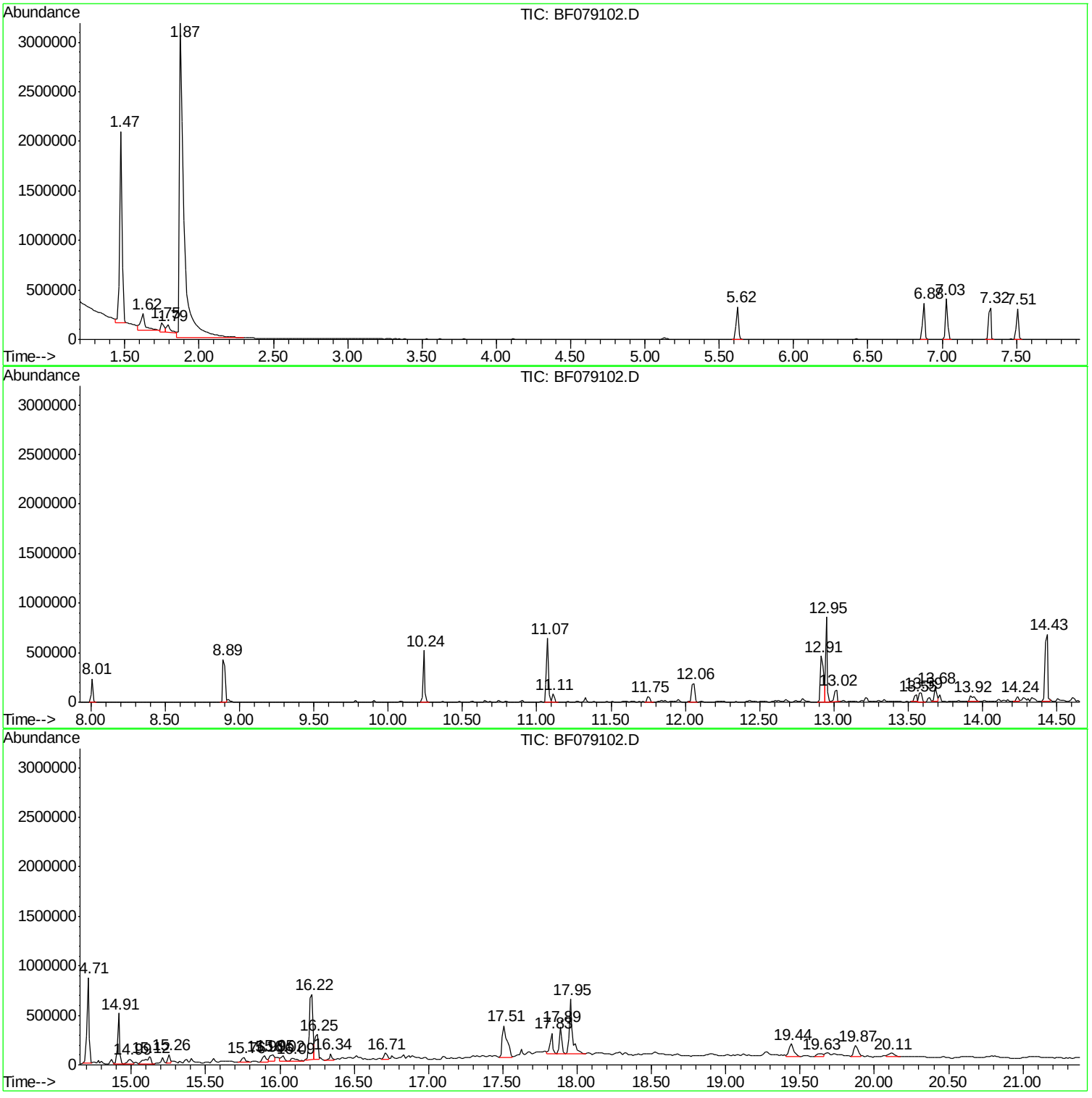
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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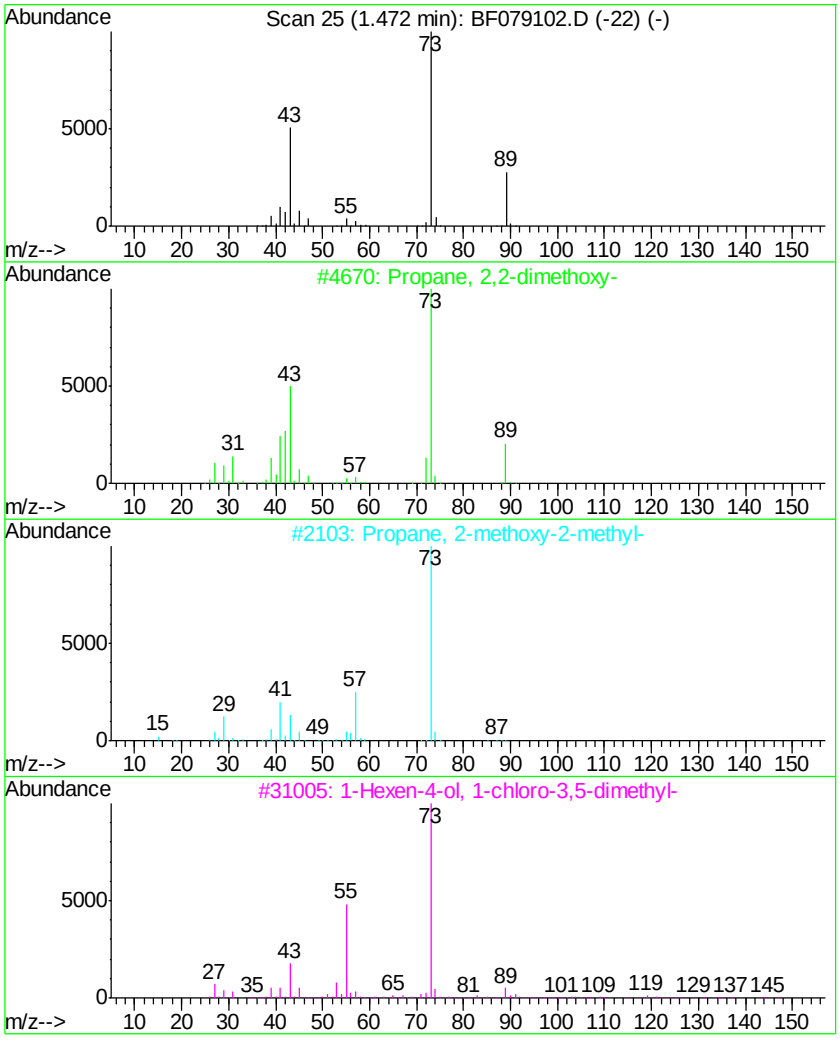
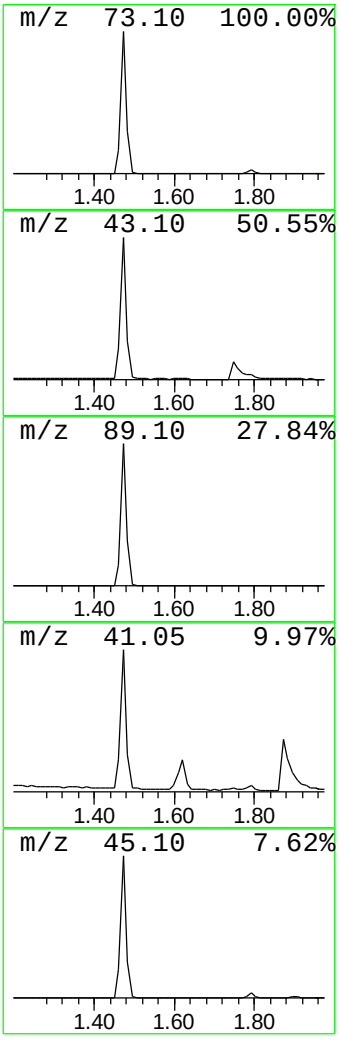
Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	97.74 ng	1989590	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	56
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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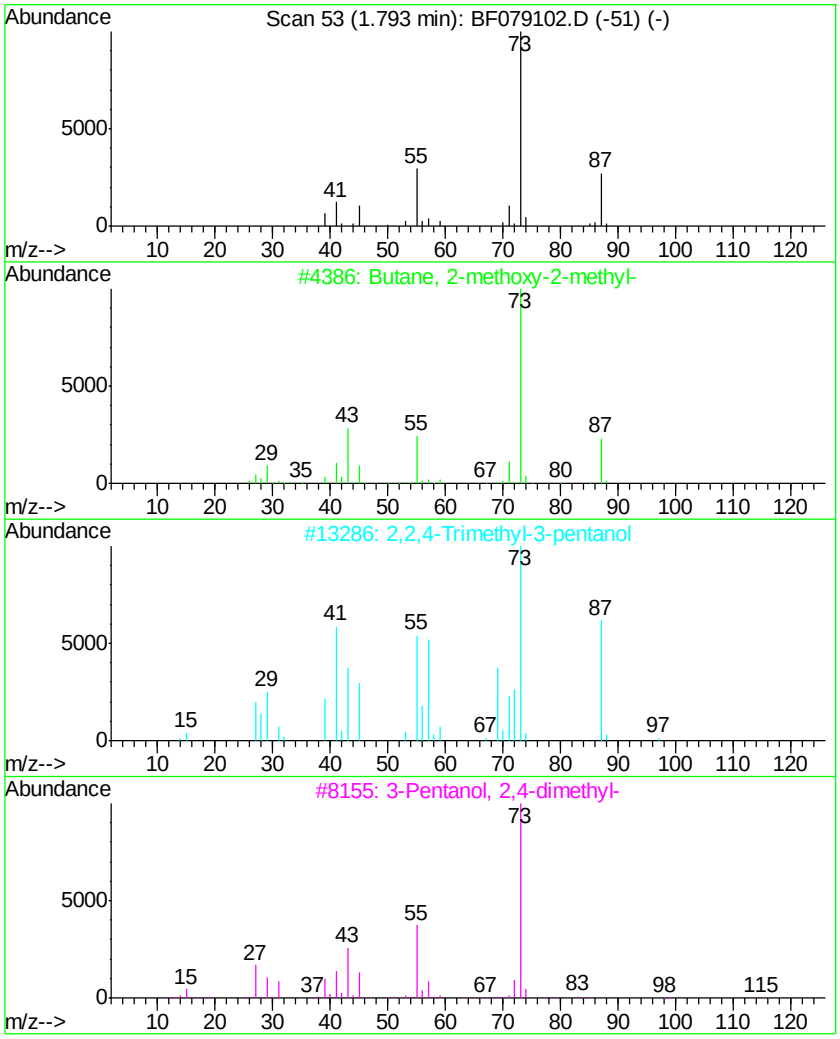
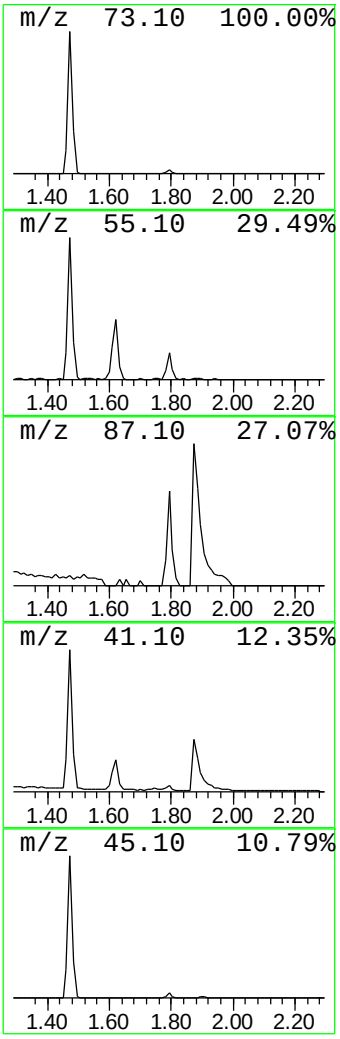
Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	6.66 ng	135539	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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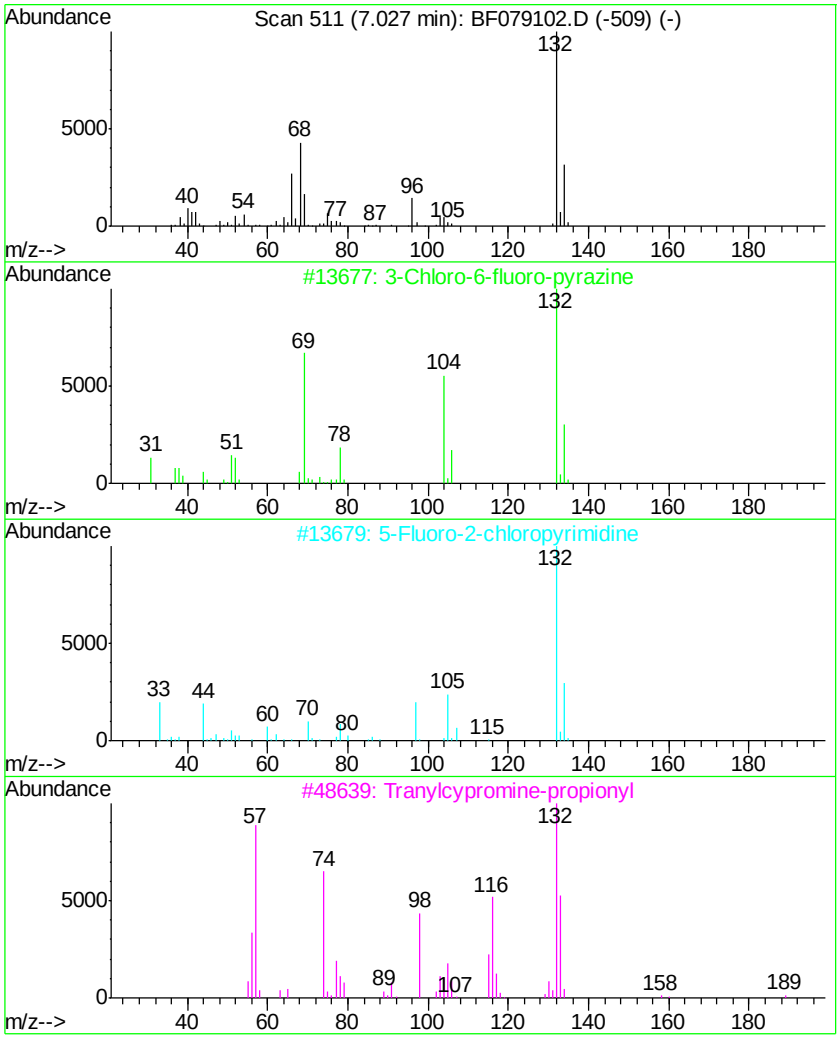
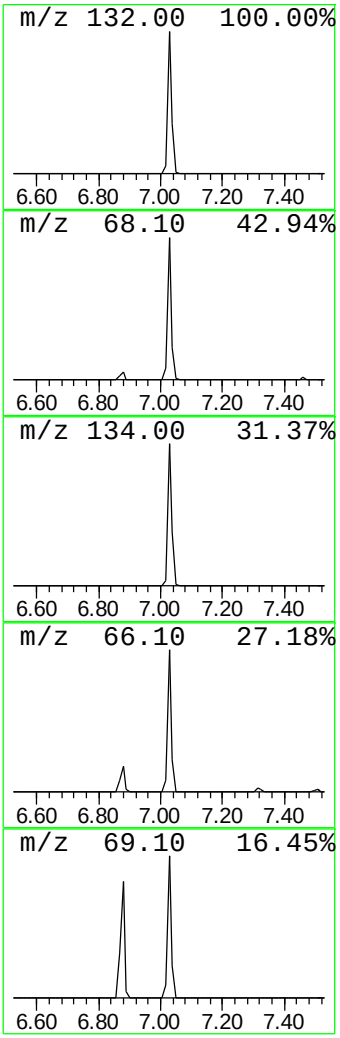
Peak Number 6 unknown7.03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	18.68 ng	380261	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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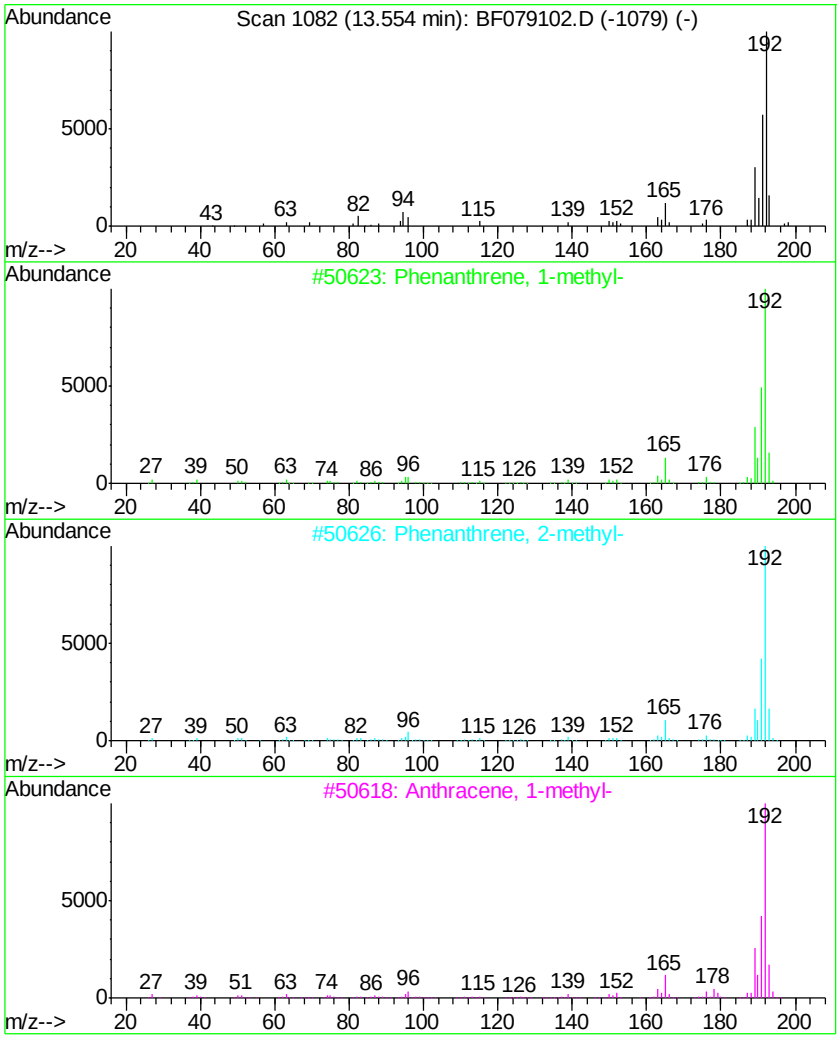
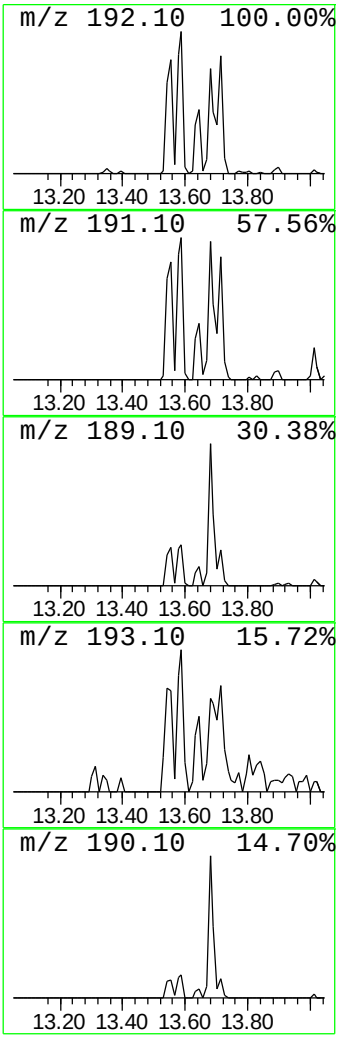
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.65 ng	91911	Phenanthrene-d10	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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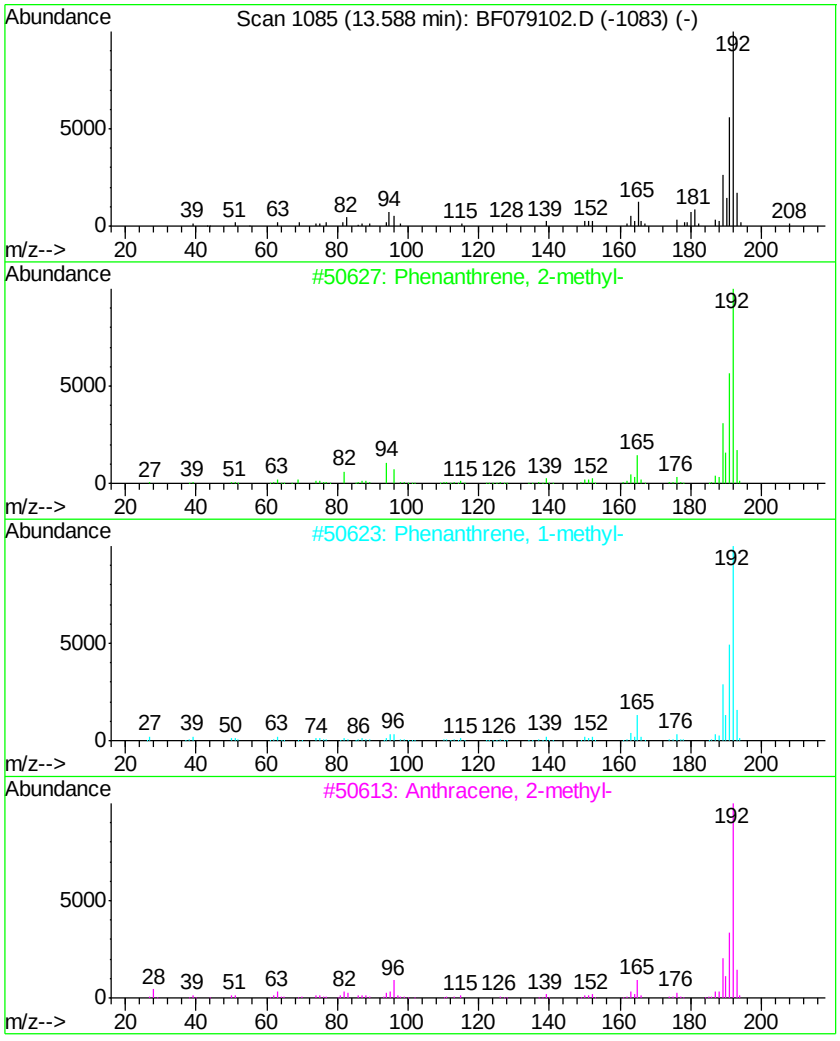
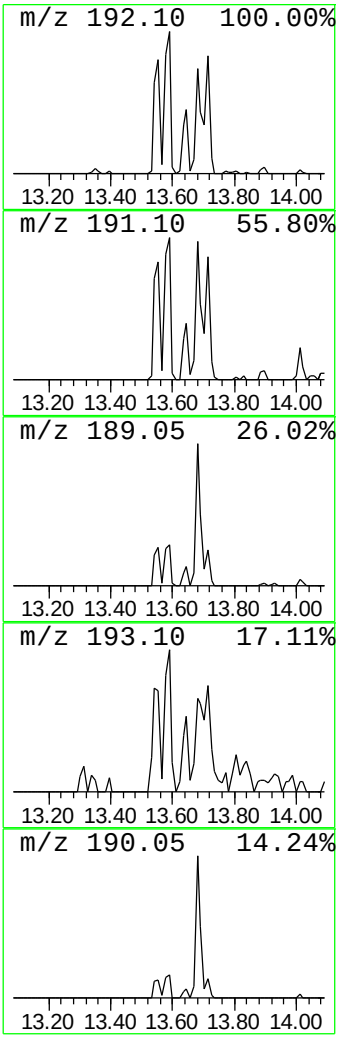
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.62 ng	125736	Phenanthrene-d10	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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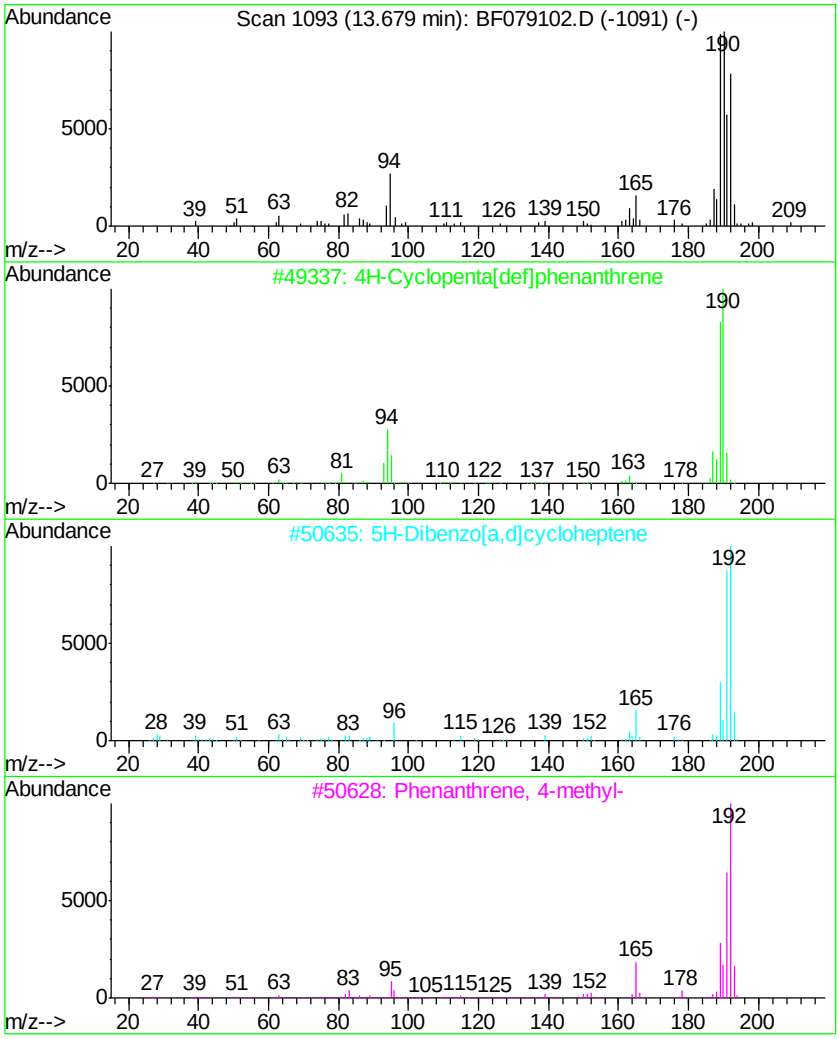
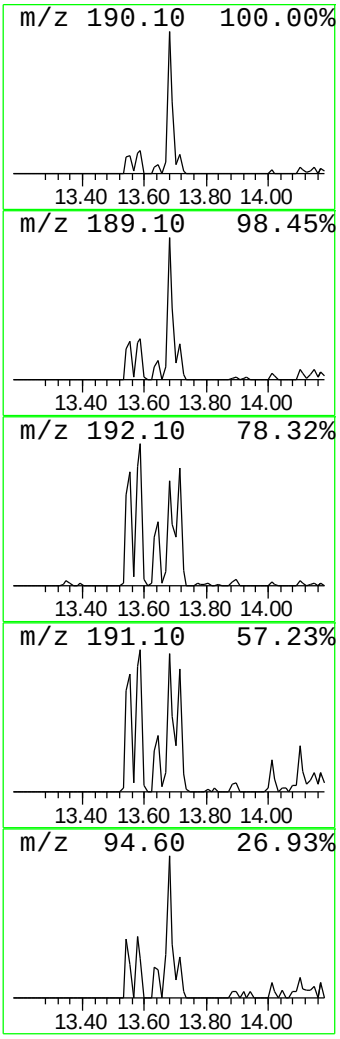
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	5.12 ng	177759	Phenanthrene-d10	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38





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Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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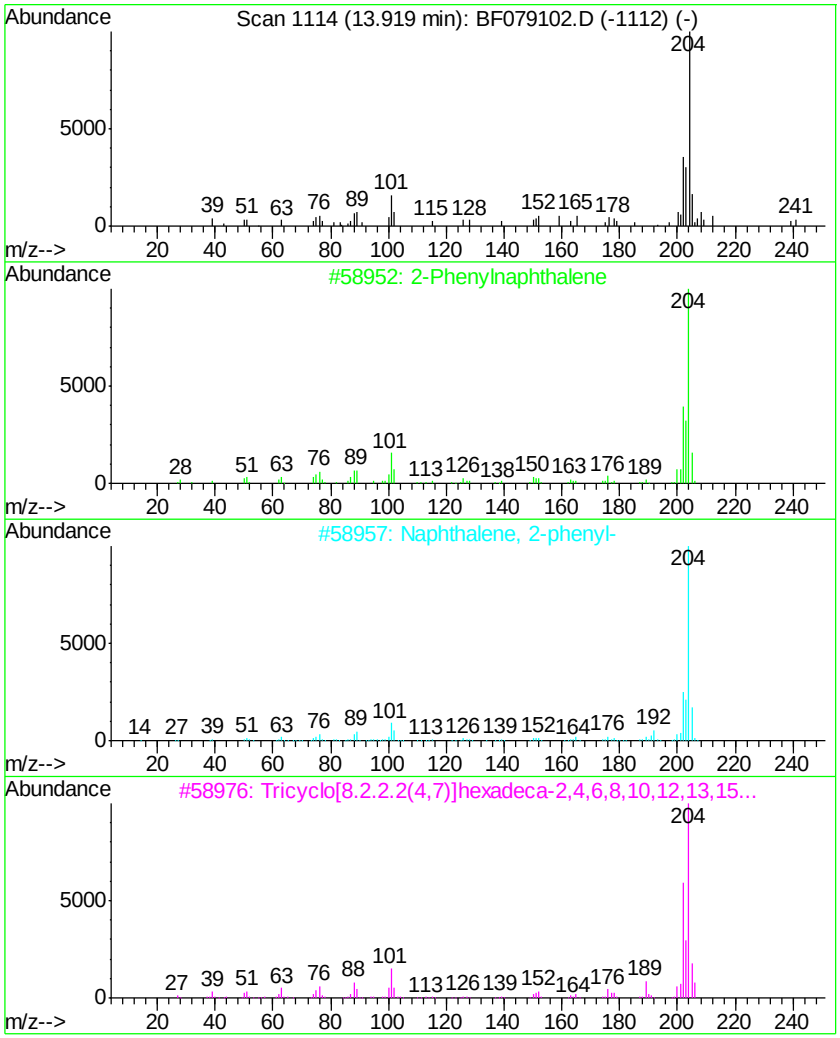
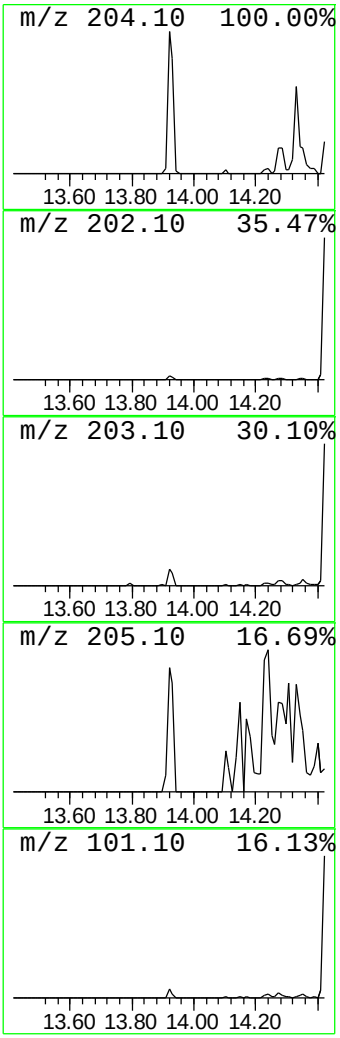
Peak Number 11 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	3.52 ng	122251	Phenanthrene-d10	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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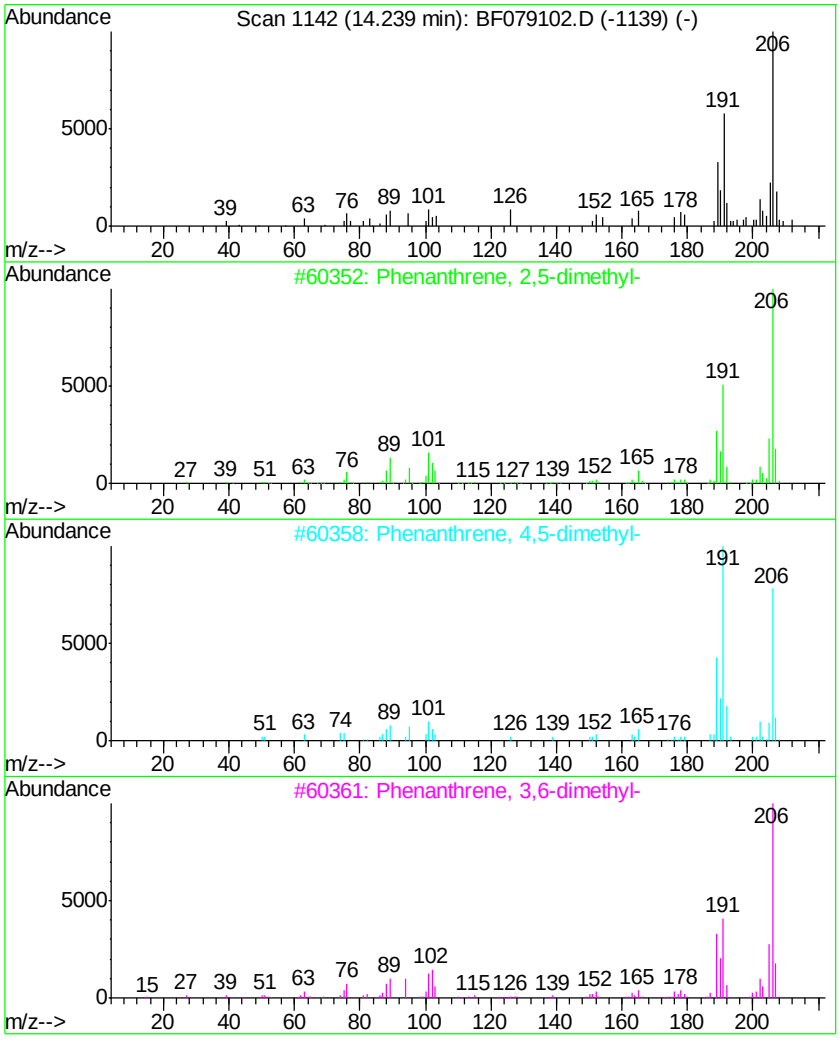
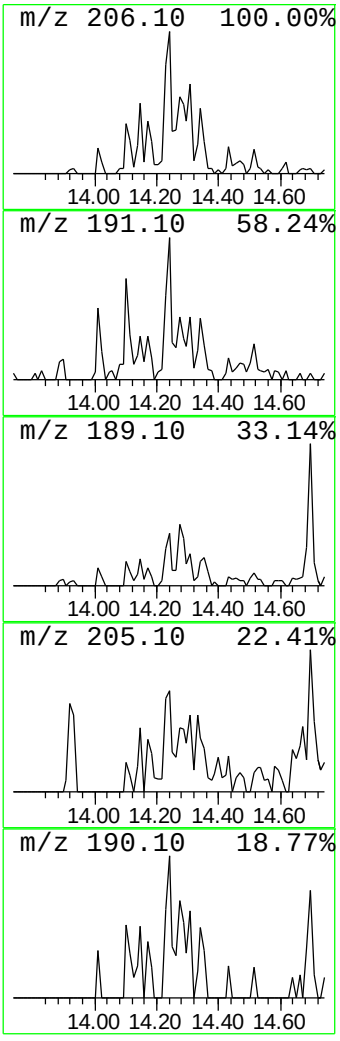
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	2.05 ng	71276	Phenanthrene-d10	12.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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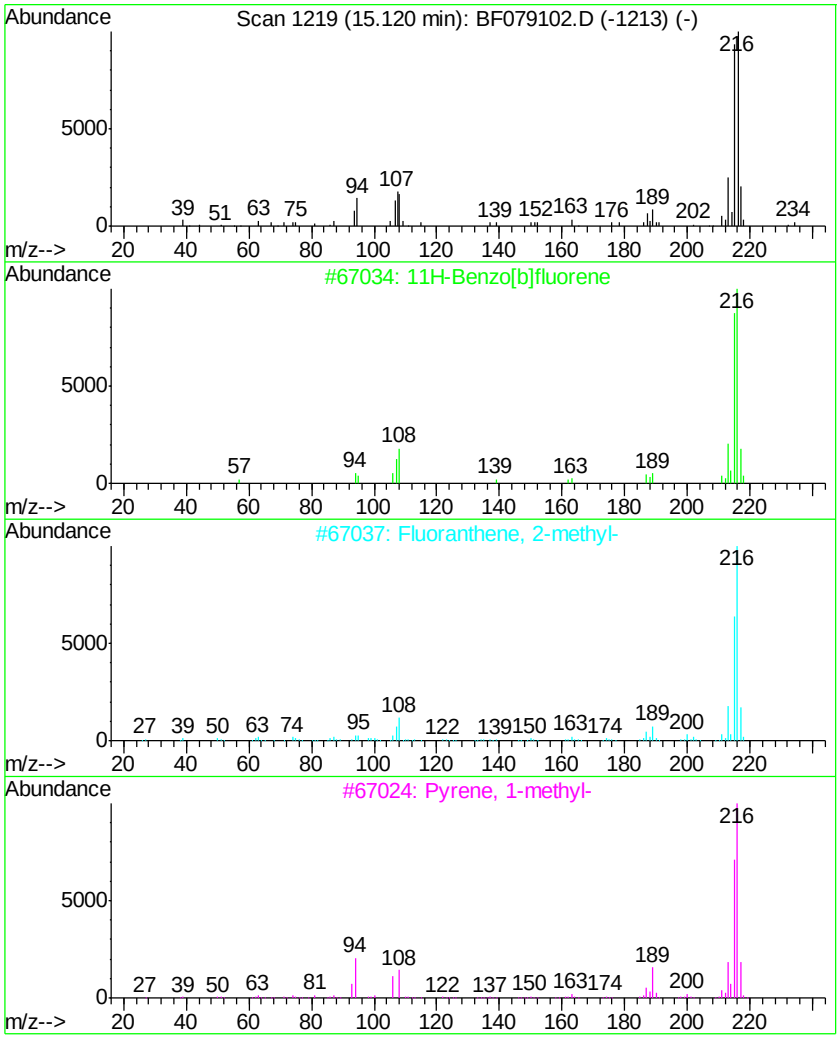
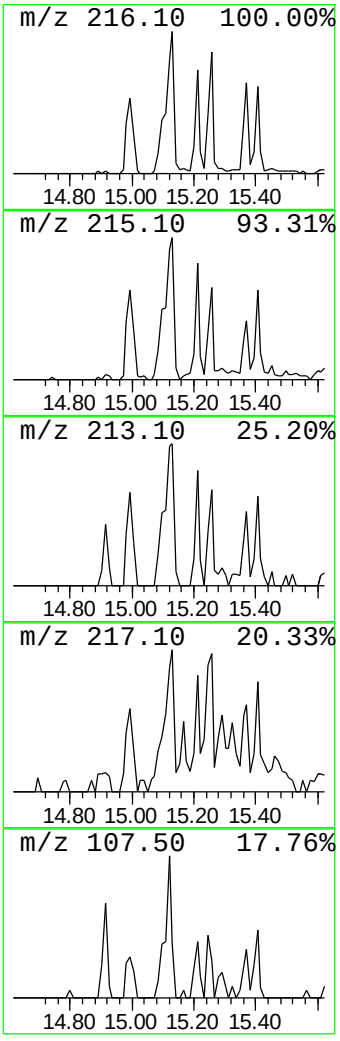
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	3.52 ng	204072	Chrysene-d12	16.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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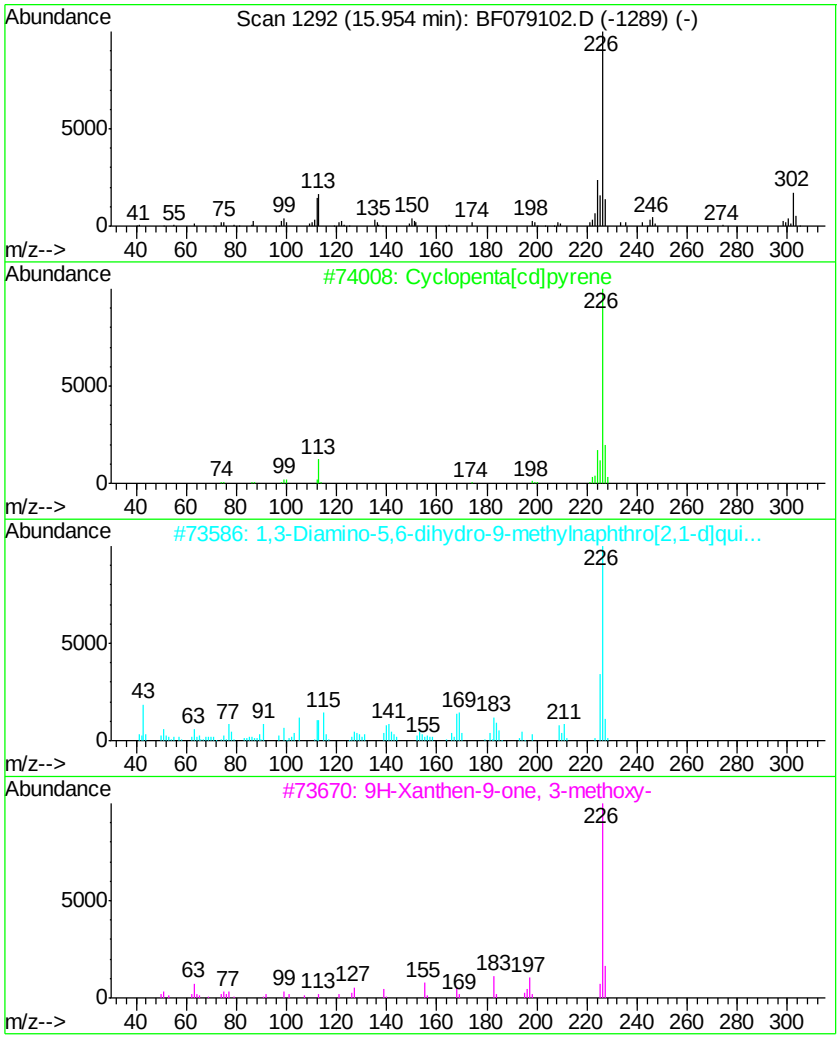
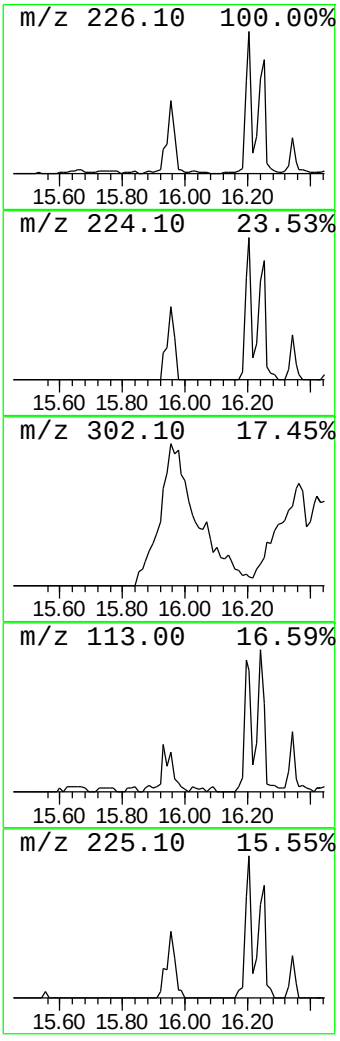
Peak Number 14 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.61 ng	151296	Chrysene-d12	16.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	47
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
5	9-Methoxymethyl-1-methyl-3,6-dia...	226	C12H22N2O2	1000216-30-2	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050815\
Data File : BF079102.D
Acq On : 10 May 2015 1:39
Operator : TP/IZ
Sample : G2155-03 5X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47AS

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	1.47	97.7	ng	1989590	1	7.32	407137	20.0
Butane, 2-methoxy...	1.79	6.7	ng	135539	1	7.32	407137	20.0
unknown7.03	7.03	18.7	ng	380261	1	7.32	407137	20.0
Phenanthrene, 1-m...	13.55	2.6	ng	91911	4	12.91	694349	20.0
Phenanthrene, 2-m...	13.59	3.6	ng	125736	4	12.91	694349	20.0
4H-Cyclopenta[def...	13.68	5.1	ng	177759	4	12.91	694349	20.0
2-Phenylnaphthalene	13.92	3.5	ng	122251	4	12.91	694349	20.0
Phenanthrene, 2,5...	14.24	2.0	ng	71276	4	12.91	694349	20.0
11H-Benzo[b]fluorene	15.12	3.5	ng	204072	5	16.22	1160630	20.0
Cyclopenta[cd]pyrene	15.95	2.6	ng	151296	5	16.22	1160630	20.0