LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

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-BF101316.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	5.069	236	239	246	rBV	498556	766216	13.15%	1.520%
2	5.491	273	276	278	rBV	2907207	2966529	50.92%	5.884%
3	6.520	363	366	368	rBV	1872234	2069491	35.52%	4.105%
4	6.657	375	378	380	rBV	4284578	4782722	82.09%	9.486%
5	6.886	396	398	405	rBV	1305457	1339723	22.99%	2.657%
6	7.046	409	412	414	rBV	3342288	3870055	66.42%	7.676%
7	7.286	431	433	434	rBV	54742	63657	1.09%	0.126%
8	7.446	445	447	450	rBV	2175640	2859893	49.08%	5.672%
9	7.697	467	469	470	rVB2	65545	60644	1.04%	0.120%
10	7.812	477	479	481	rVB2	72468	70945	1.22%	0.141%
11	7.995	491	495	498	rBV6	29253	70747	1.21%	0.140%
12	8.075	498	502	504	rBV2	57935	117030	2.01%	0.232%
13	8.166	508	510	513	rBV	1278224	1902633	32.66%	3.774%
14	8.326	523	524	527	rBV2	43371	80141	1.38%	0.159%
15	8.463	534	536	537	rBV2	52509	69688	1.20%	0.138%
16	8.600	546	548	549	rBV	108712	138211	2.37%	0.274%
17	8.737	556	560	561	rBV3	89816	155522	2.67%	0.308%
18	8.760	561	562	563	rBV	48110	64219	1.10%	0.127%
19	8.977	578	581	582	rBV3	47978	72686	1.25%	0.144%
20	9.172	596	598	599	rBV	275389	260987	4.48%	0.518%
21	9.252	602	605	607	rVV	6158405	5826411	100.00%	11.556%
22	9.343	610	613	614	rVV3	79936	153478	2.63%	0.304%
23	9.412	614	619	621	rVB4	142687	284628	4.89%	0.565%
24	9.492	624	626	627	rBV	60902	79505	1.36%	0.158%
25	9.560	630	632	633	rVV2	76549	68808	1.18%	0.136%
26	9.595	633	635	637	rVB2	166196	182119	3.13%	0.361%
27	9.652	637	640	641	rBV2	303356	429902	7.38%	0.853%
28	9.743	646	648	650	rVB3	78326	100199	1.72%	0.199%
29	9.800	650	653	655	rBV4	101188	176746	3.03%	0.351%
30	9.835	655	656	659	rVB3	55237	72741	1.25%	0.144%
31	9.926	662	664	667	rVB	2530991	2434029	41.78%	4.828%
32	10.086	676	678	681	rBV3	70346	131805	2.26%	0.261%
33	10.143	681	683	685	rVB2	77762	91539	1.57%	0.182%
34	10.189	685	687	690	rVB3	106352	166892	2.86%	0.331%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

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-BF101316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.258	690	693	694	rBV2	96368	197735	3.39%	0.392%
36	10.292	694	696	699	rVB2	275800	343248	5.89%	0.681%
37	10.543	716	718	719	rBV	246433	236993	4.07%	0.470%
38	10.578	719	721	724	rVB2	135816	212750	3.65%	0.422%
39	10.726	731	734	736	rBV2	2702730	3883251	66.65%	7.702%
40	10.841	742	744	748	rVB	290644	474230	8.14%	0.941%
41	10.921	748	751	752	rBV3	79461	168291	2.89%	0.334%
42	11.058	761	763	769	rBV2	179768	324806	5.57%	0.644%
43	11.309	784	785	791	rVB3	116739	195422	3.35%	0.388%
44	11.389	791	792	793	rBV	112276	148370	2.55%	0.294%
45	11.412	793	794	797	rVV	1919922	2136589	36.67%	4.238%
46	11.469	798	799	802	rVV	308223	287767	4.94%	0.571%
47	11.526	802	804	807	rVB	191402	221548	3.80%	0.439%
48	11.949	839	841	843	rBV2	79836	83839	1.44%	0.166%
49	13.001	931	933	936	rBV	4406292	5532335	94.95%	10.973%
50	13.904	1010	1012	1015	rVB	52137	80445	1.38%	0.160%
51	14.052	1023	1025	1028	rBV	1770981	2077181	35.65%	4.120%
52	14.910	1097	1100	1102	rVB	57559	84051	1.44%	0.167%
53	15.504	1149	1152	1162	rVB	1227739	1748556	30.01%	3.468%

Sum of corrected areas: 50417948

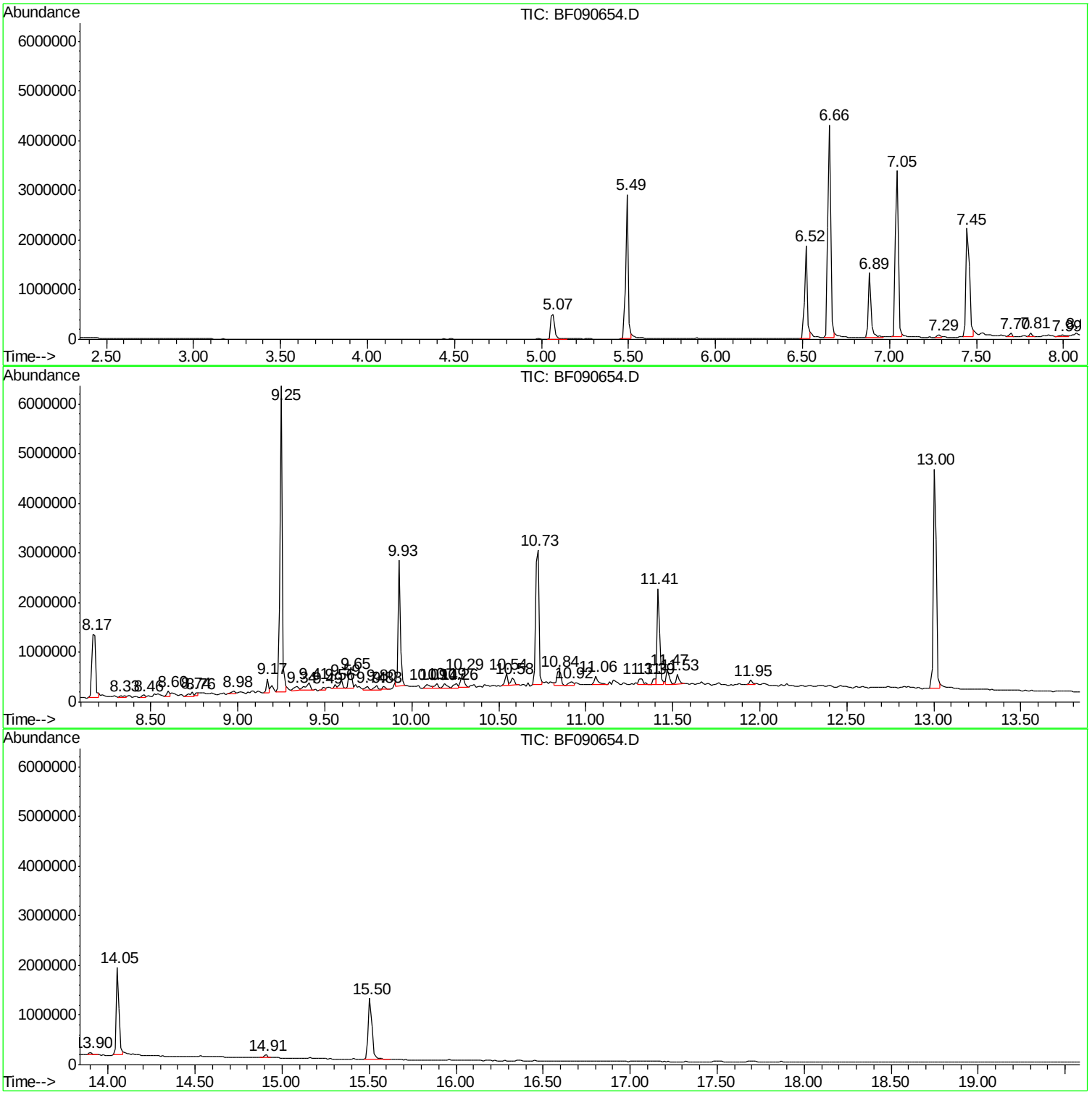
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

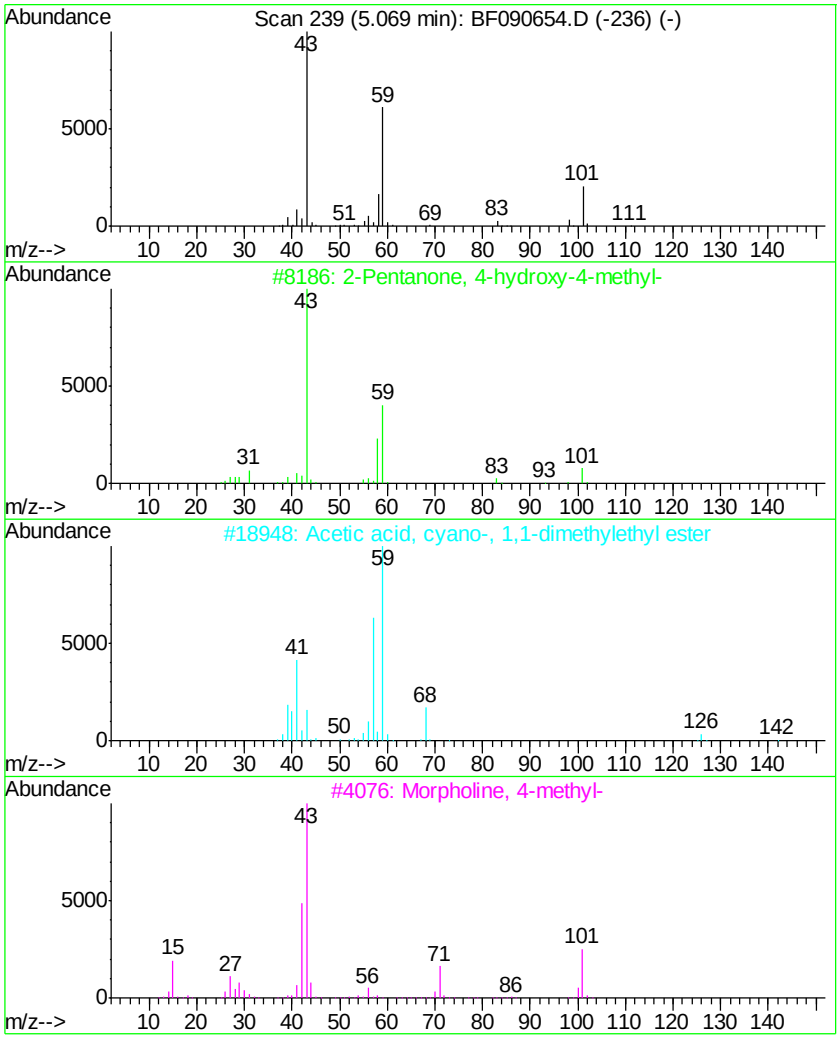
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

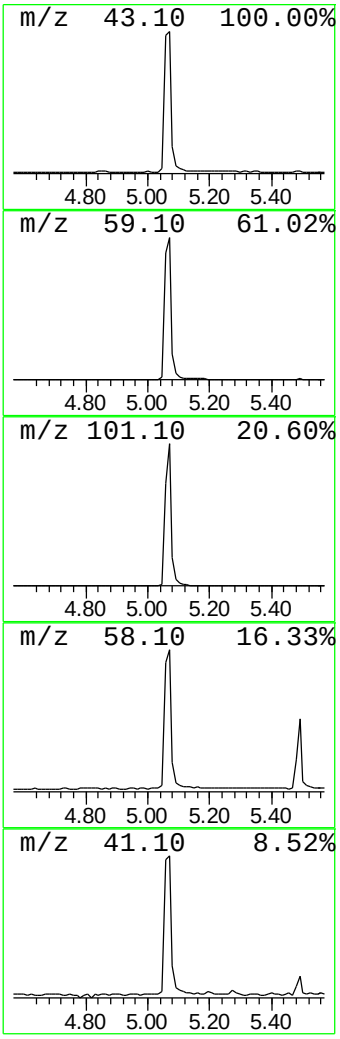
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	11.44 ng	766216	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Tetraglyme	222	C10H22O5	000143-24-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

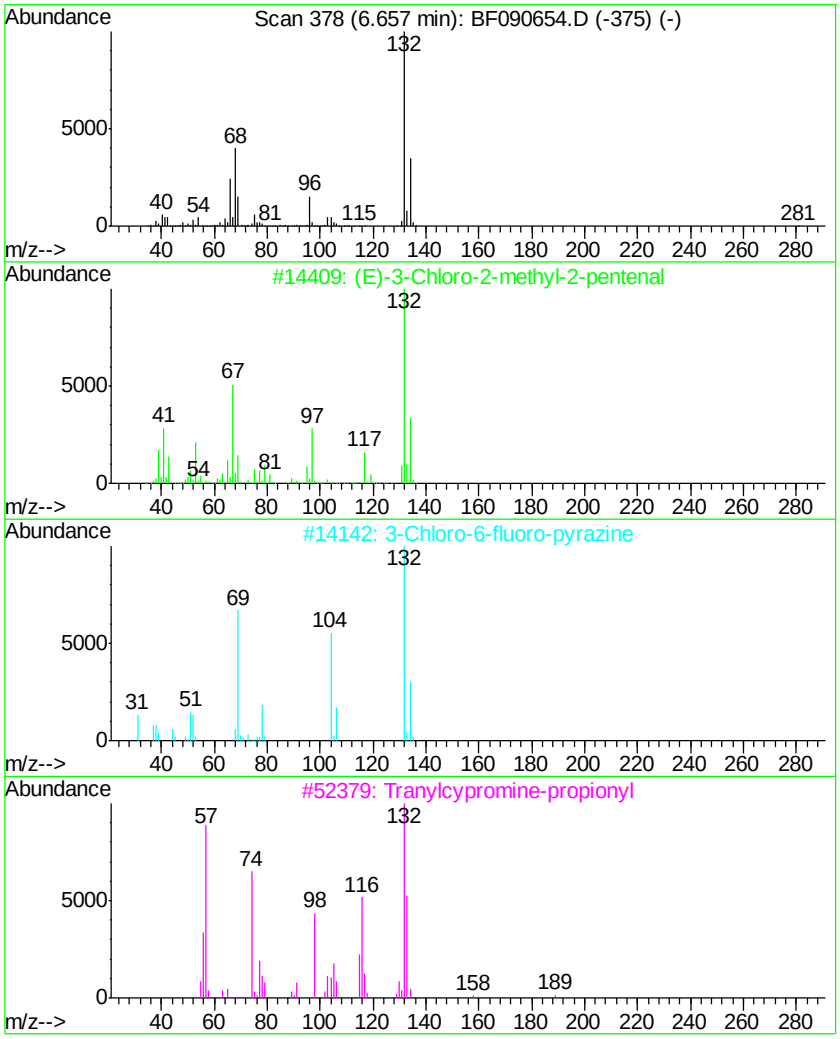
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

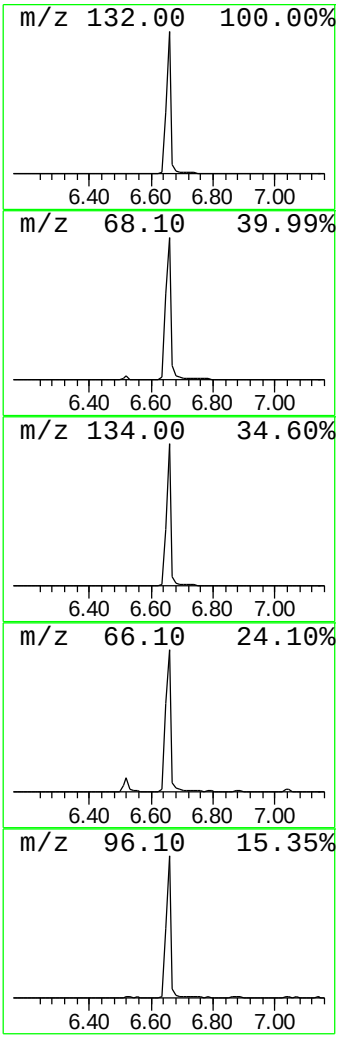
****

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	71.40 ng	4782720	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

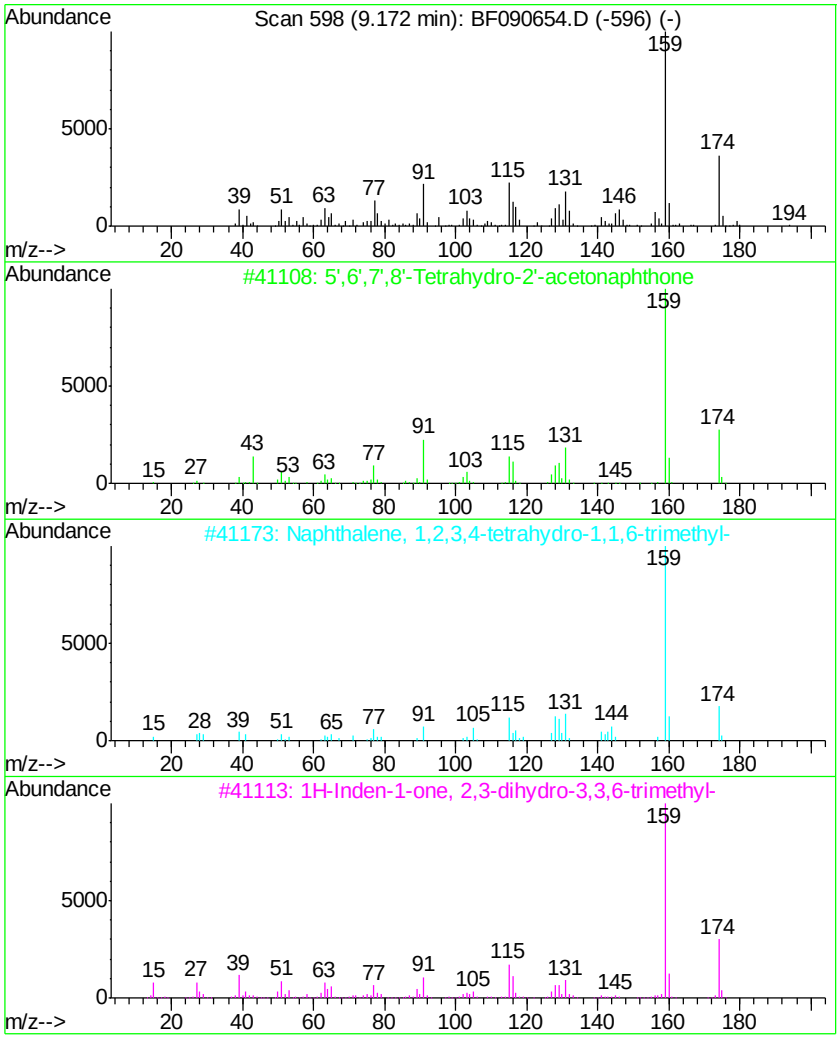
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

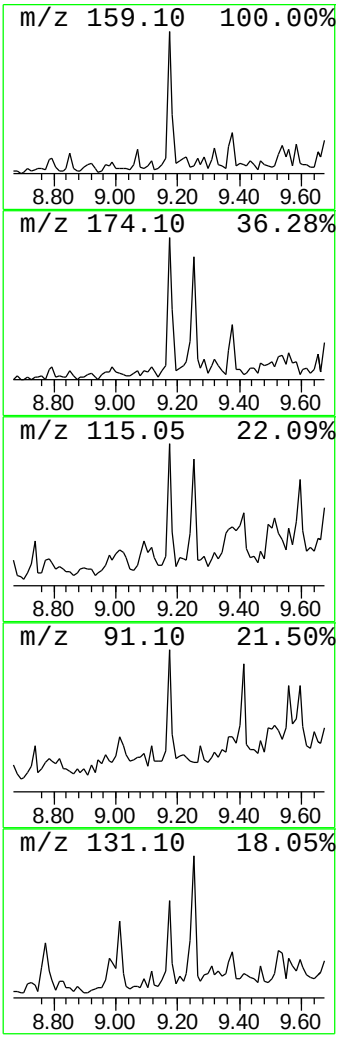
****

Peak Number 4 5',6',7',8'-Tetrahydro-2'-a... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	2.14 ng	260987	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5',6',7',8'-Tetrahydro-2'-aceton...	174	C12H14O	000774-55-0	94
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	94
3	1H-Inden-1-one, 2,3-dihydro-3,3,...	174	C12H14O	054484-71-8	93
4	1H-Inden-1-one, 2,3-dihydro-3,4,...	174	C12H14O	035322-84-0	91
5	Ethanone, 1-[4-(1-methyl-2-prope...	174	C12H14O	109586-49-4	87





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Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

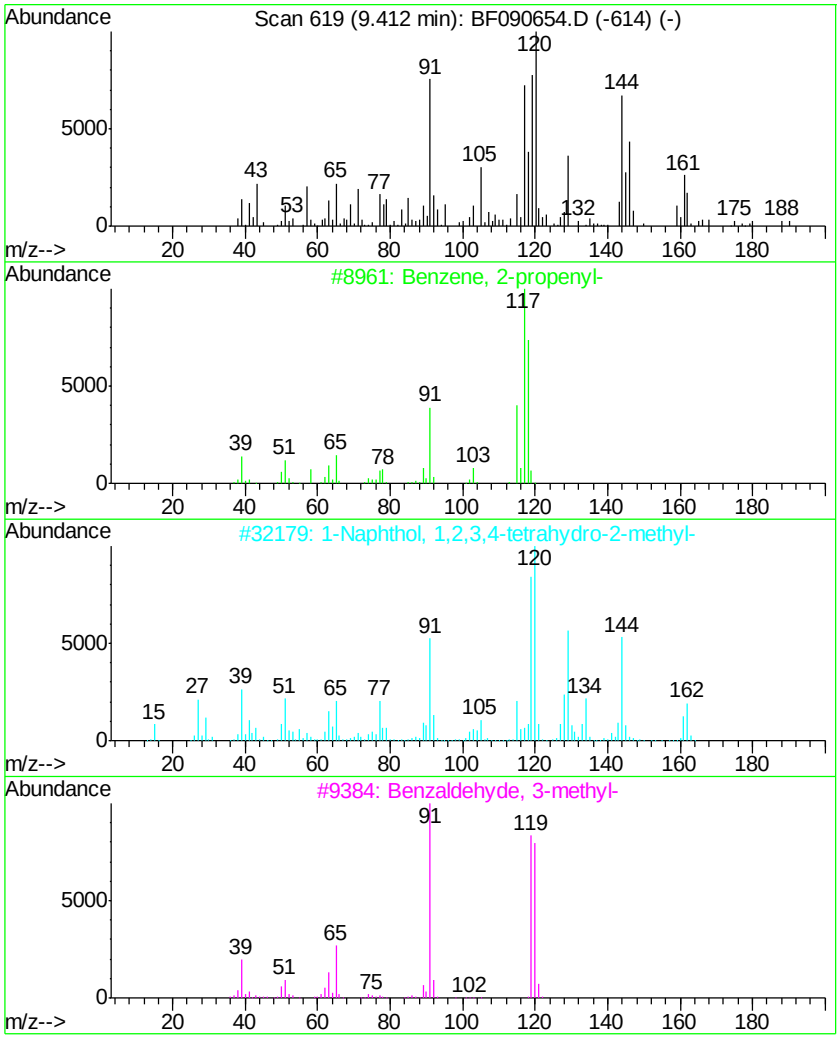
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

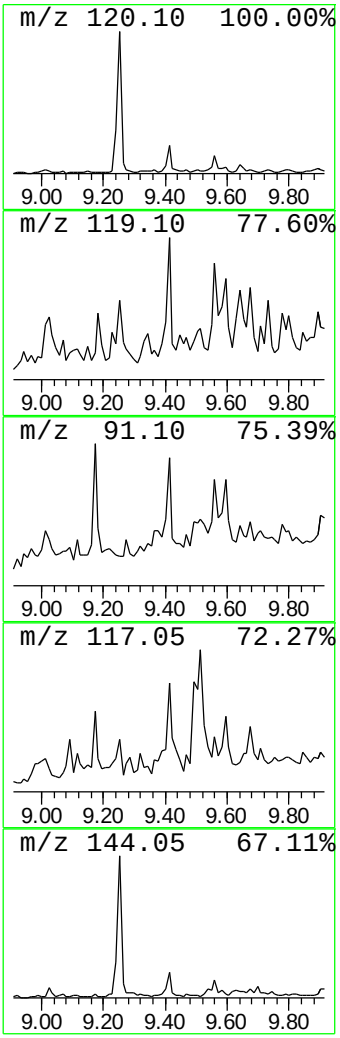
****

Peak Number 5 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	2.34 ng	284628	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
2	1-Naphthol, 1,2,3,4-tetrahydro-2...	162	C11H14O	032281-70-2	46
3	Benzaldehyde, 3-methyl-	120	C8H8O	000620-23-5	42
4	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	42
5	1,2-Benzenedimethanol	138	C8H10O2	000612-14-6	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

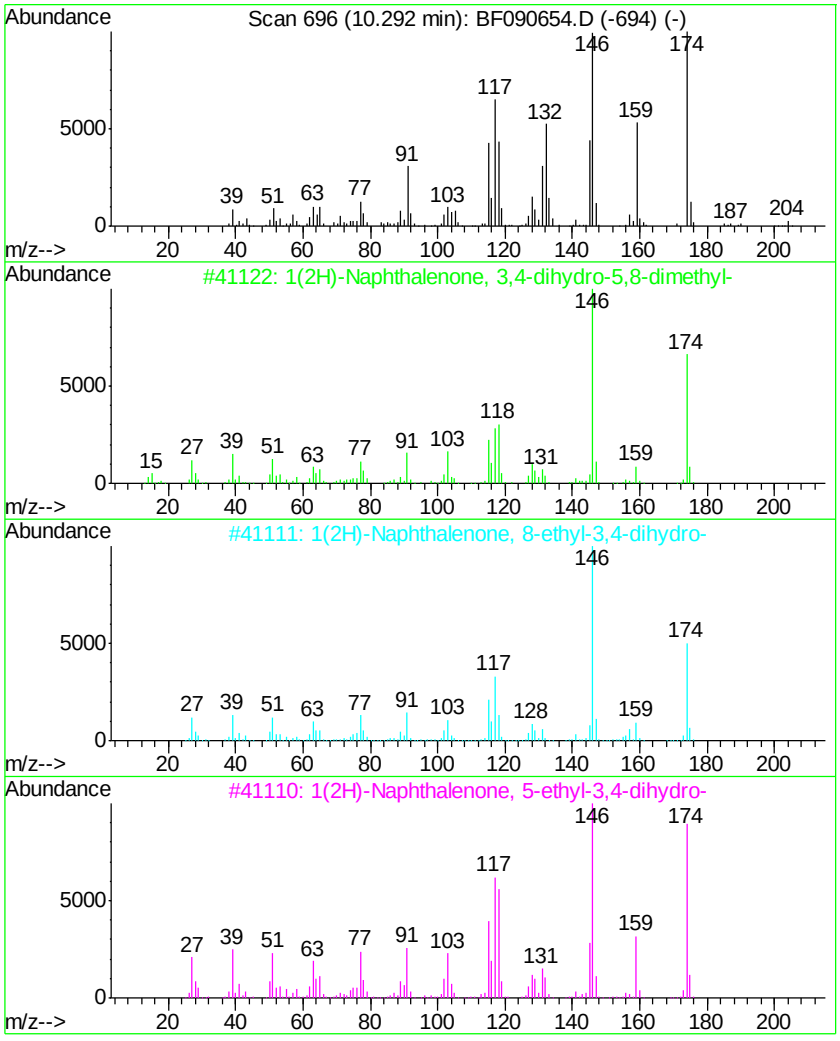
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

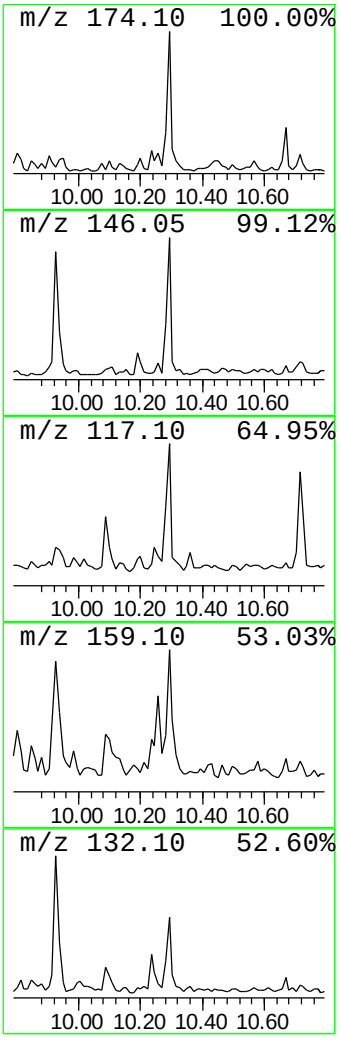
****

Peak Number 6 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	2.82 ng	343248	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, 3,4-dihydro...	174	C12H14O	005037-63-8	64
2	1(2H)-Naphthalenone, 8-ethyl-3,4...	174	C12H14O	051015-33-9	64
3	1(2H)-Naphthalenone, 5-ethyl-3,4...	174	C12H14O	051015-31-7	62
4	1(2H)-Naphthalenone, 3,4-dihydro...	174	C12H14O	032281-65-5	62
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	60





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Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

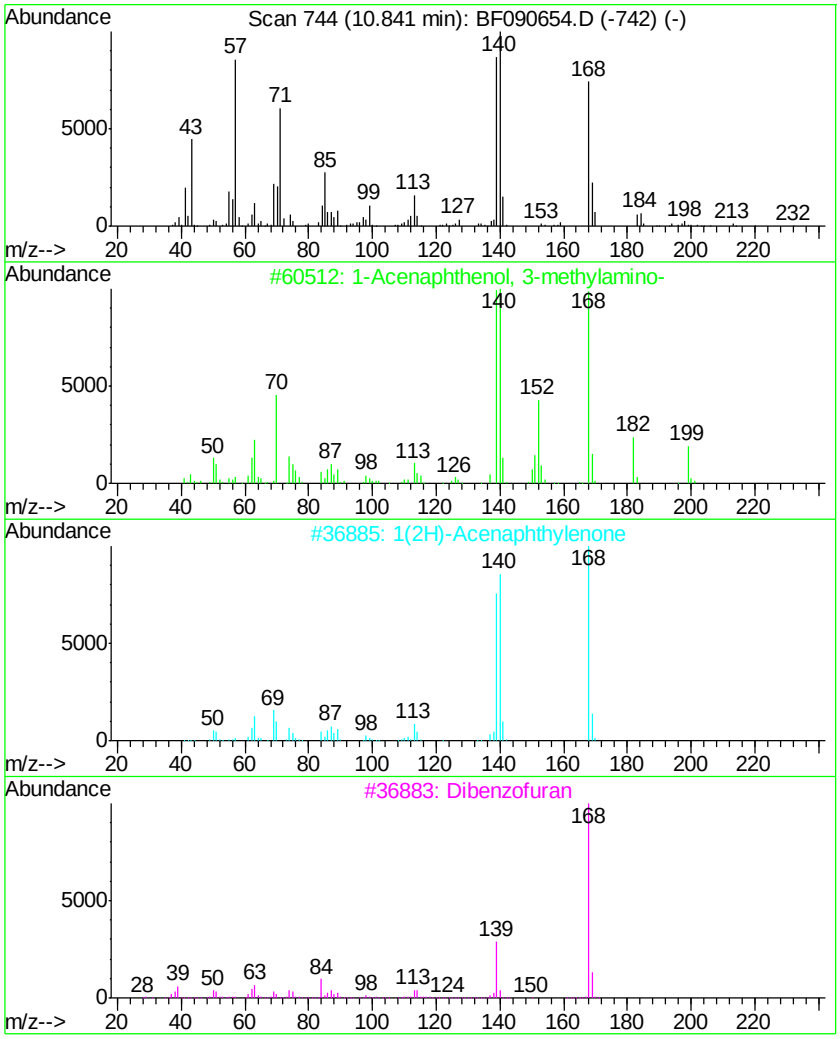
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

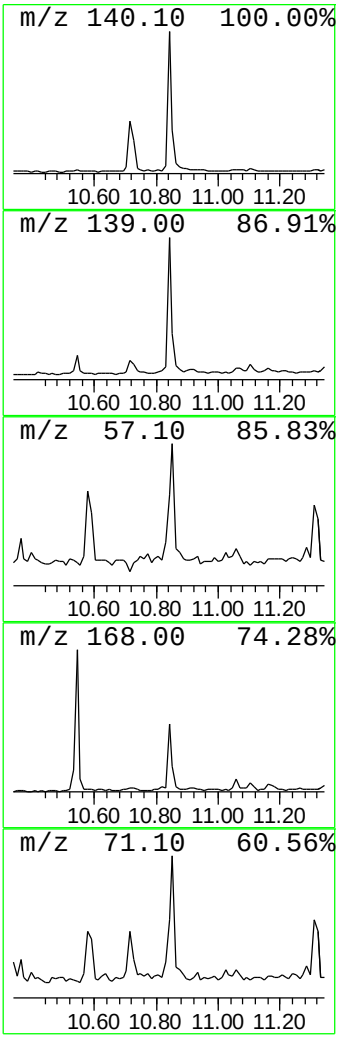
****

Peak Number 7 1-Acenaphthenol, 3-methylam... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	4.44 ng	474230	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	59
2	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	43
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Cyclobuta[del]naphthalene	140	C11H8	024973-91-9	43
5	4H-Pyran-4-one, 2-ethyl-3-hydroxy-	140	C7H8O3	004940-11-8	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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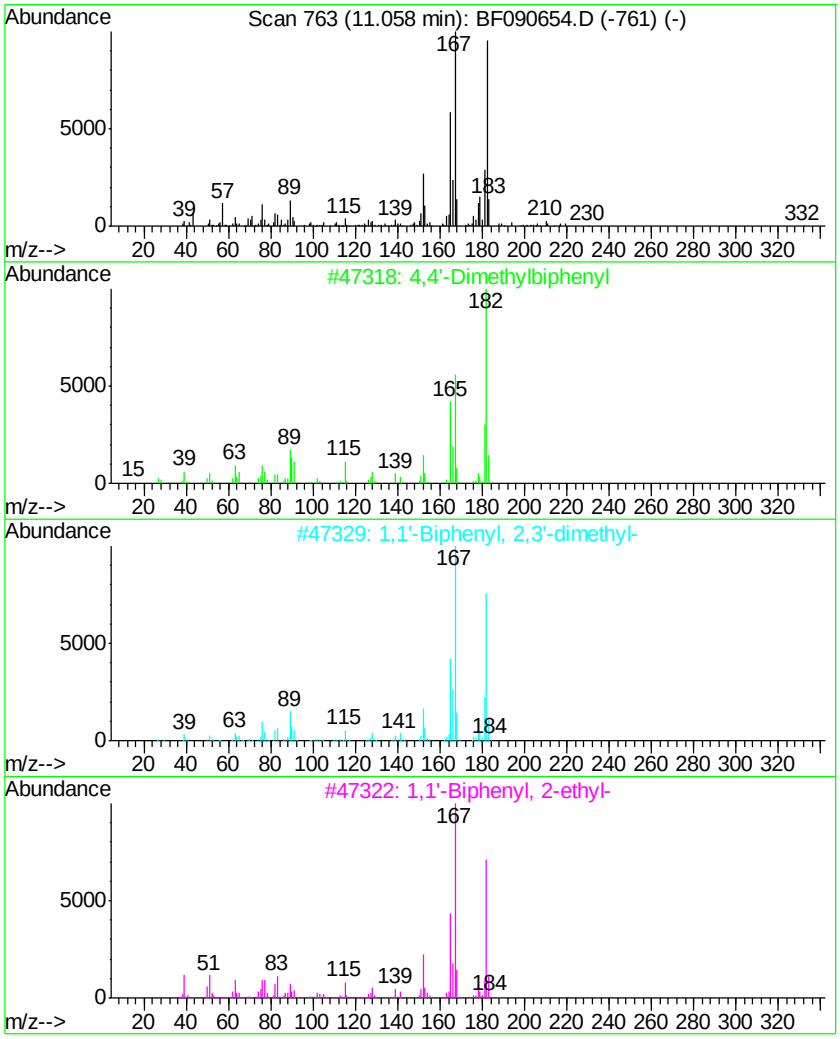
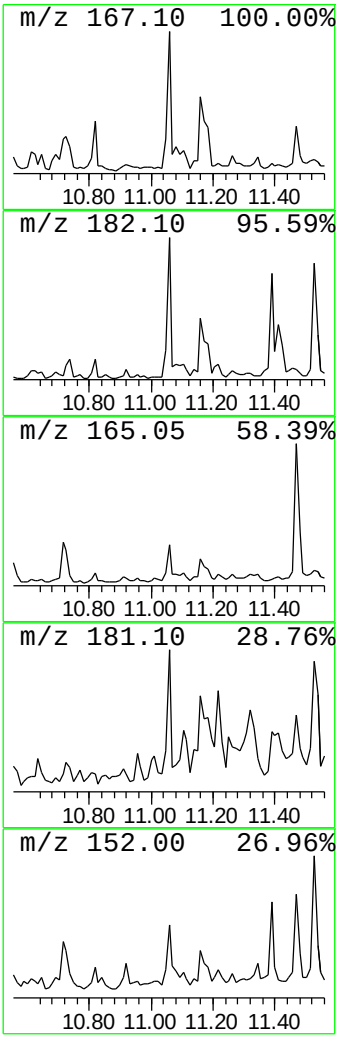
Peak Number 8 4,4'-Dimethylbiphenyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	3.04 ng	324806	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	94
2	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	91
3	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	91
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	90
5	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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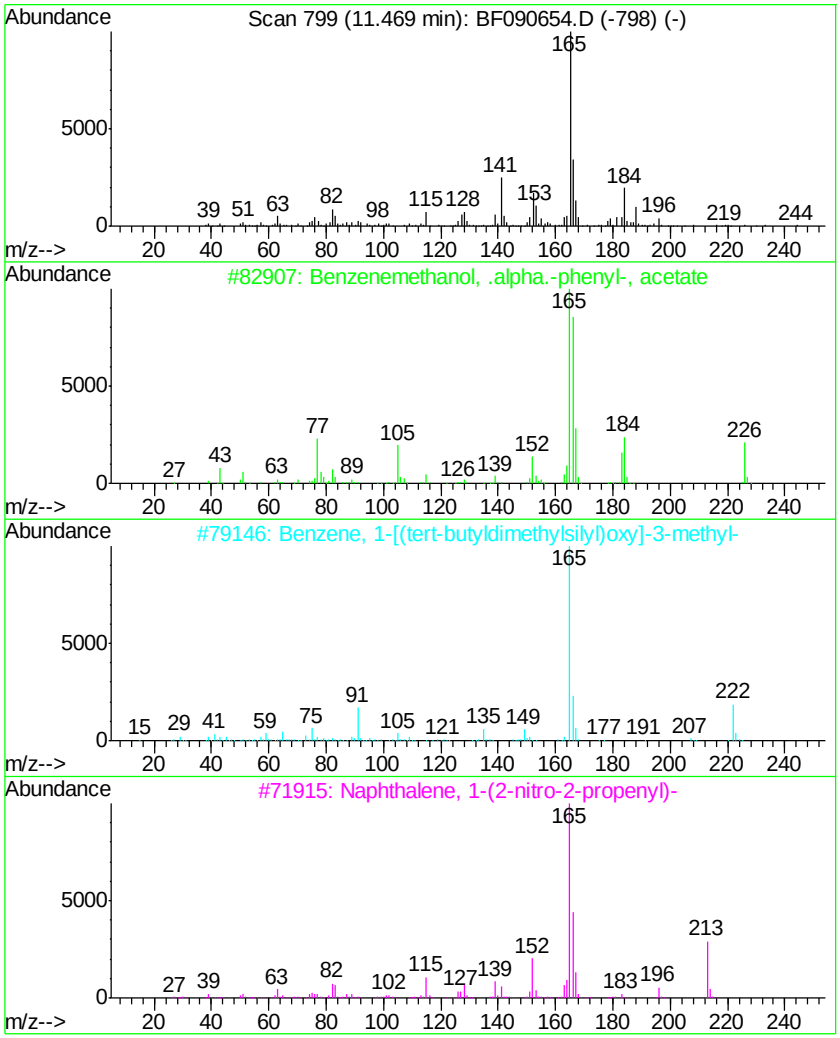
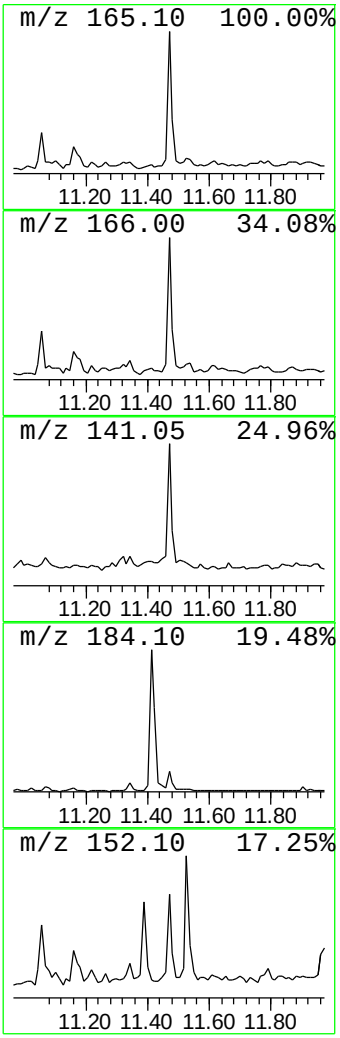
Peak Number 9 Benzenemethanol, .alpha.-ph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	2.69 ng	287767	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, .alpha.-phenyl-...	226	C15H14O2	000954-67-6	53
2	Benzene, 1-[(tert-butyldimethyls...	222	C13H22OSi	062790-75-4	43
3	Naphthalene, 1-(2-nitro-2-propen...	213	C13H11NO2	080255-13-6	38
4	(3,4-Dimethyl-5-thioxo-1,5-dihyd...	239	C12H17NO2S	1000193-21-3	38
5	3,4-Dimethoxy-benzoic acid (1-bi...	374	C23H22N2O3	1000294-73-7	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

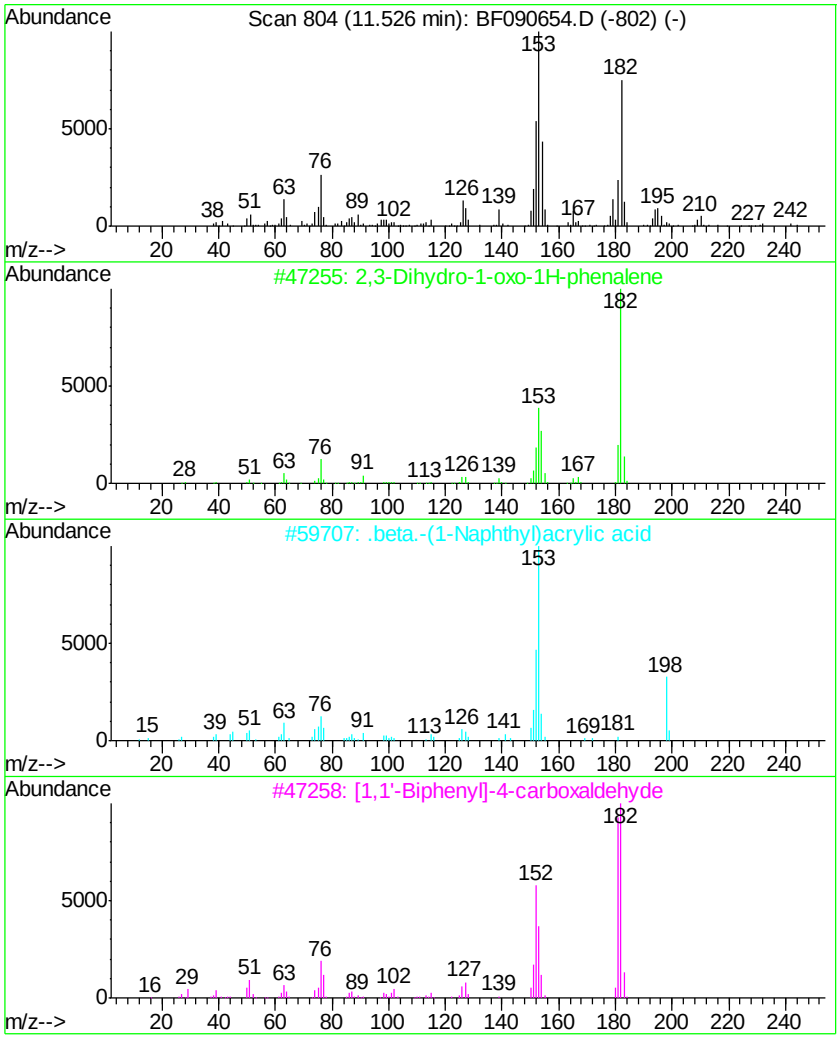
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

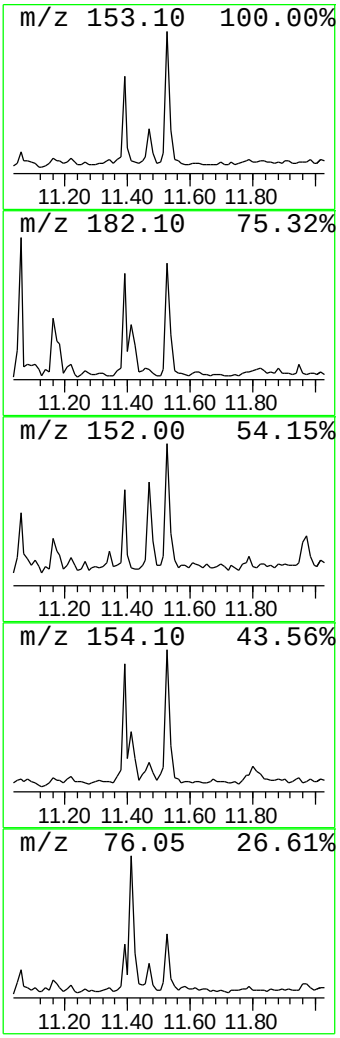
****

Peak Number 10 2,3-Dihydro-1-oxo-1H-phenalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	2.07 ng	221548	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	89
2	.beta.-(1-Naphthyl)acrylic acid	198	C13H10O2	013026-12-5	43
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	38
4	2,5-Etheno[4.2.2]propella-3,7,9-...	154	C12H10	088090-38-4	38
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101916\
Data File : BF090654.D
Acq On : 19 Oct 2016 18:15
Operator : UM/SJ
Sample : H5296-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C6-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.07	11.4	ng	766216	1	6.89	1339720	20.0
unknown6.66	6.66	71.4	ng	4782720	1	6.89	1339720	20.0
5',6',7',8'-Tetra...	9.17	2.1	ng	260987	3	9.93	2434030	20.0
Benzene, 2-propenyl-	9.41	2.3	ng	284628	3	9.93	2434030	20.0
1(2H)-Naphthaleno...	10.29	2.8	ng	343248	3	9.93	2434030	20.0
1-Acenaphthenol, ...	10.84	4.4	ng	474230	4	11.41	2136590	20.0
4,4'-Dimethylbiph...	11.06	3.0	ng	324806	4	11.41	2136590	20.0
Benzenemethanol, ...	11.47	2.7	ng	287767	4	11.41	2136590	20.0
2,3-Dihydro-1-oxo...	11.53	2.1	ng	221548	4	11.41	2136590	20.0