LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

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-BF100516.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	4.565	192	195	197	rBV	256260	368569	7.76%	0.891%
2	5.183	246	249	252	rBV	934230	1307387	27.53%	3.161%
3	5.594	283	285	288	rBV	3200012	3583885	75.46%	8.665%
4	6.611	371	374	377	rBV	3504049	3525088	74.22%	8.523%
5	6.760	384	387	389	rBV	4508444	3965735	83.50%	9.588%
6	6.989	405	407	410	rBV	960132	1232252	25.95%	2.979%
7	7.149	419	421	424	rVB	3151002	2892521	60.90%	6.994%
8	7.549	454	456	459	rBV	1850764	2526295	53.19%	6.108%
9	8.280	518	520	523	rBV	2103336	1738078	36.60%	4.202%
10	9.366	612	615	617	rBV	4392319	4749300	100.00%	11.483%
11	9.755	647	649	651	rBV	874660	727214	15.31%	1.758%
12	10.040	672	674	677	rVB	1941071	1790509	37.70%	4.329%
13	10.475	711	712	714	rVB	106775	75071	1.58%	0.182%
14	10.692	728	731	735	rBV	38129	66353	1.40%	0.160%
15	10.829	741	743	746	rBV	2057264	1803841	37.98%	4.361%
16	10.955	752	754	758	rBV	80803	156490	3.30%	0.378%
17	11.400	791	793	794	rBV	86706	75417	1.59%	0.182%
18	11.538	802	805	807	rBV	1485207	1714362	36.10%	4.145%
19	11.755	822	824	828	rBV	355888	338897	7.14%	0.819%
20	12.052	848	850	852	rBV	65581	71782	1.51%	0.174%
21	12.235	864	866	870	rVB	41753	47687	1.00%	0.115%
22	12.578	894	896	899	rBV	92846	88621	1.87%	0.214%
23	12.943	922	928	929	rVV	123006	362057	7.62%	0.875%
24	13.035	931	936	942	rVV4	241537	1355345	28.54%	3.277%
25	13.126	942	944	946	rVB	3802219	3726025	78.45%	9.009%
26	14.018	1020	1022	1027	rBV	248891	290442	6.12%	0.702%
27	14.178	1034	1036	1038	rVB	1231001	1054848	22.21%	2.550%
28	14.258	1039	1043	1049	rVB7	29671	91239	1.92%	0.221%
29	14.532	1063	1067	1068	rBV2	30499	80084	1.69%	0.194%
30	14.658	1076	1078	1085	rVB3	30151	60399	1.27%	0.146%
31	15.675	1164	1167	1170	rBV	759688	1101681	23.20%	2.664%
32	15.927	1185	1189	1196	rVB7	47976	157314	3.31%	0.380%
33	16.224	1209	1215	1222	rBV9	50297	234506	4.94%	0.567%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

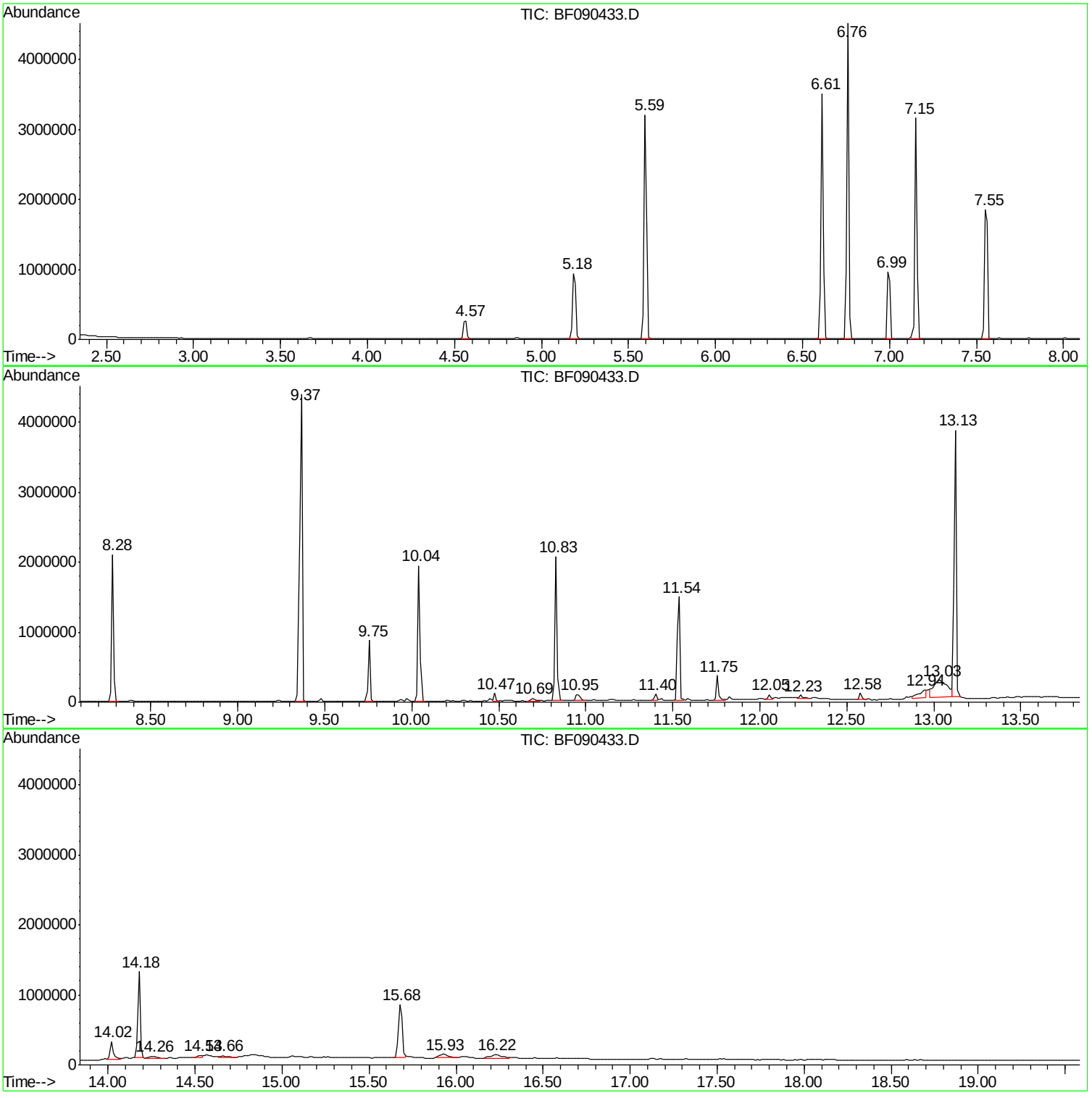
Sum of corrected areas: 41359294

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

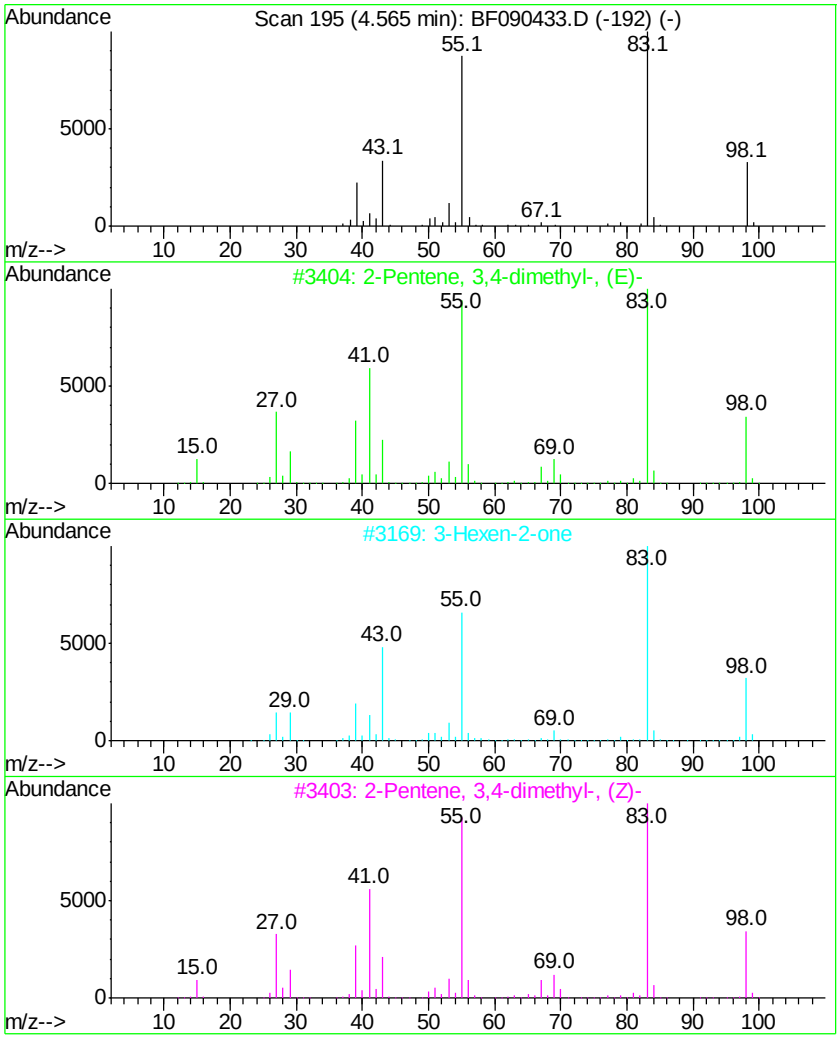
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

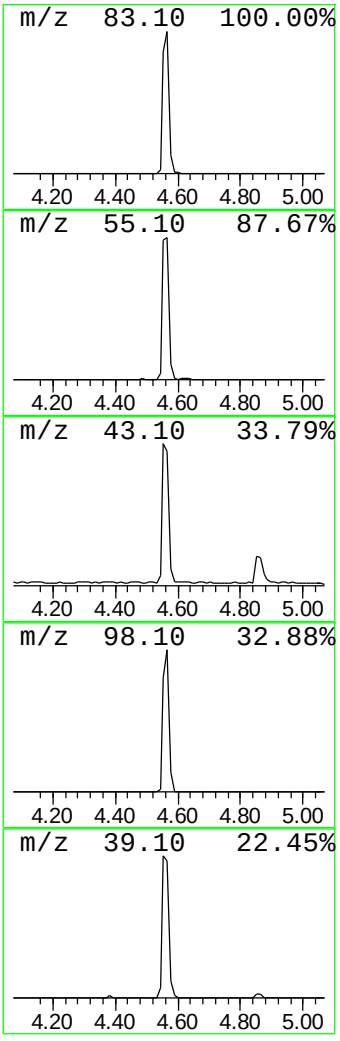
****

Peak Number 1 2-Pentene, 3,4-dimethyl-, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	5.98 ng	368569	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
2	3-Hexen-2-one	98	C6H10O	000763-93-9	86
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	86
5	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

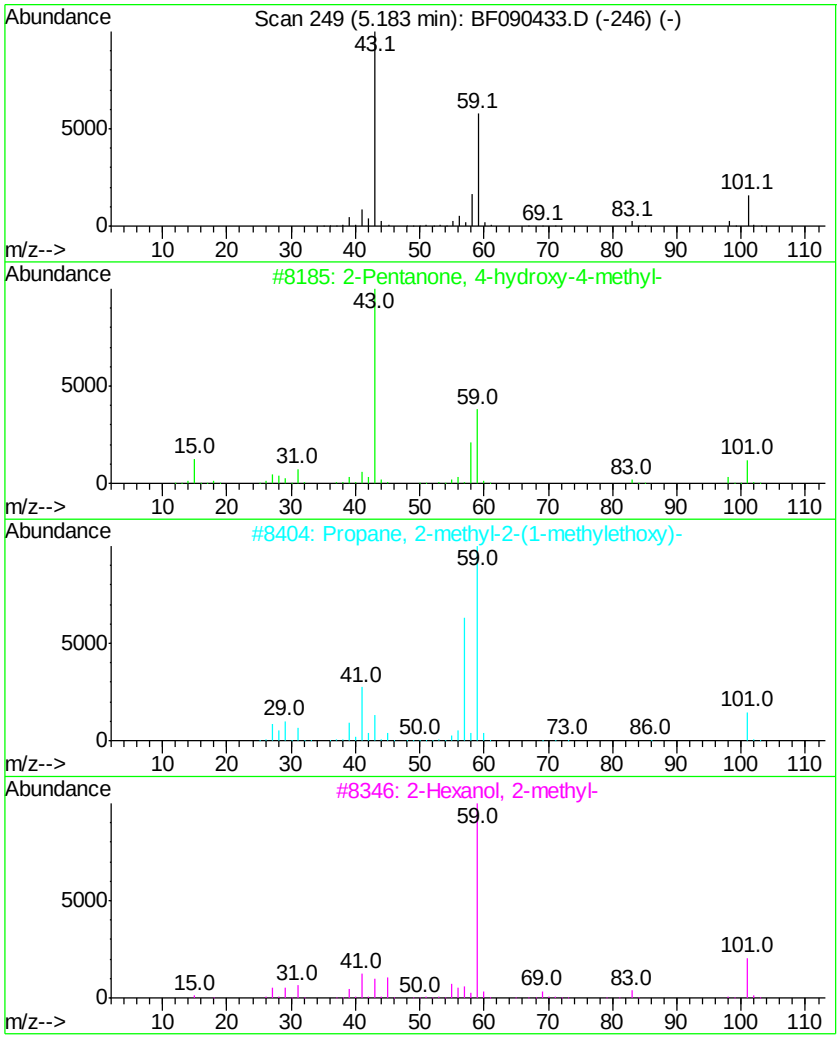
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

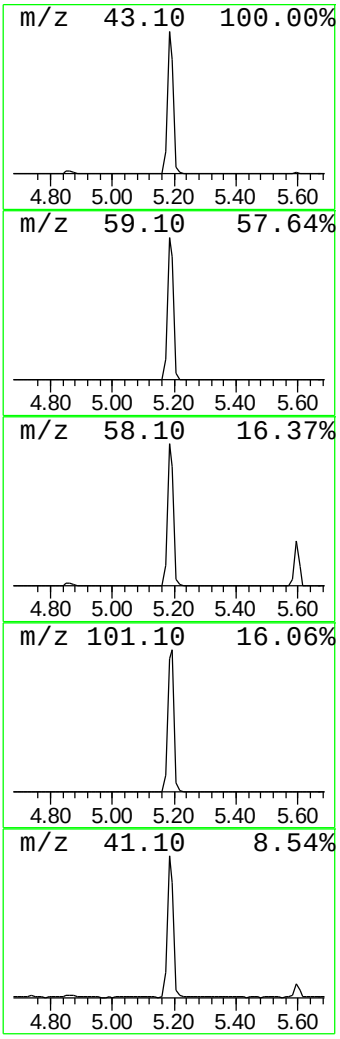
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	21.22 ng	1307390	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

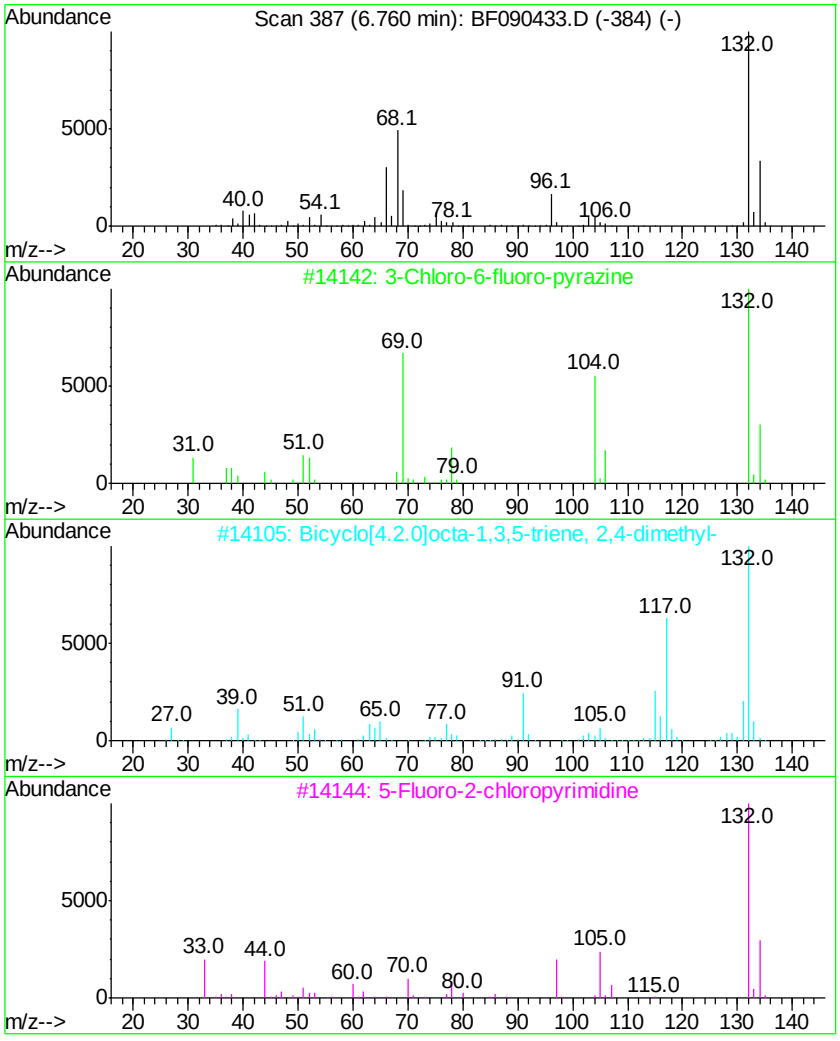
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

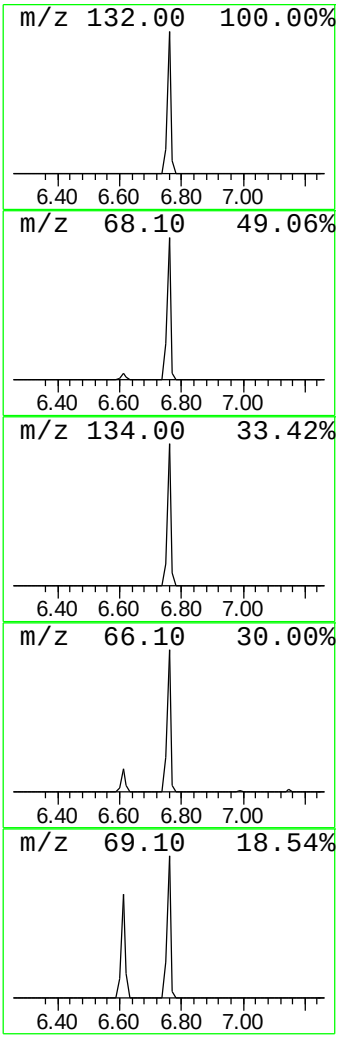
****

Peak Number 3 unknown6.76 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	64.37 ng	3965740	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

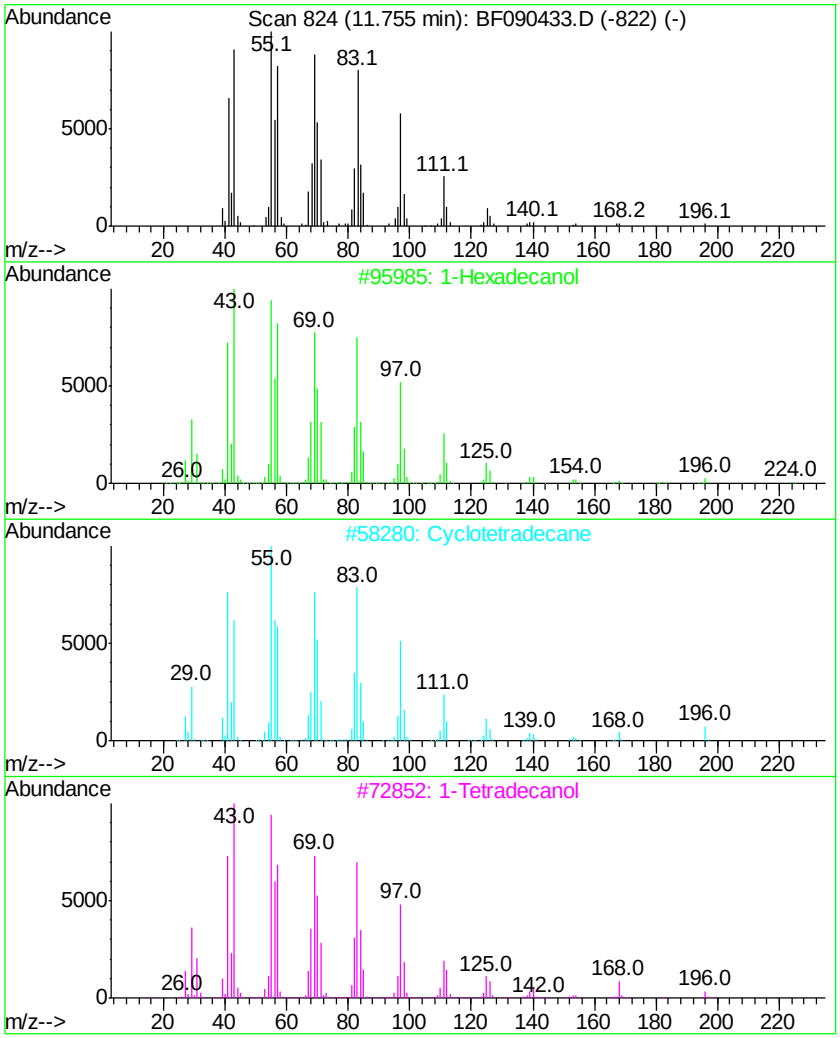
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

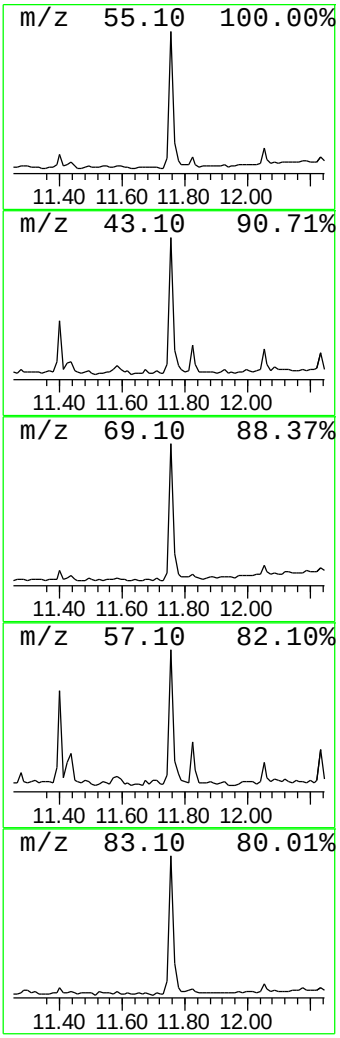
****

Peak Number 5 1-Hexadecanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.95 ng	338897	Phenanthrene-d10	11.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	94
2	Cyclotetradecane	196	C14H28	000295-17-0	91
3	1-Tetradecanol	214	C14H30O	000112-72-1	91
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
5	9-Octadecene, (E)-	252	C18H36	007206-25-9	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

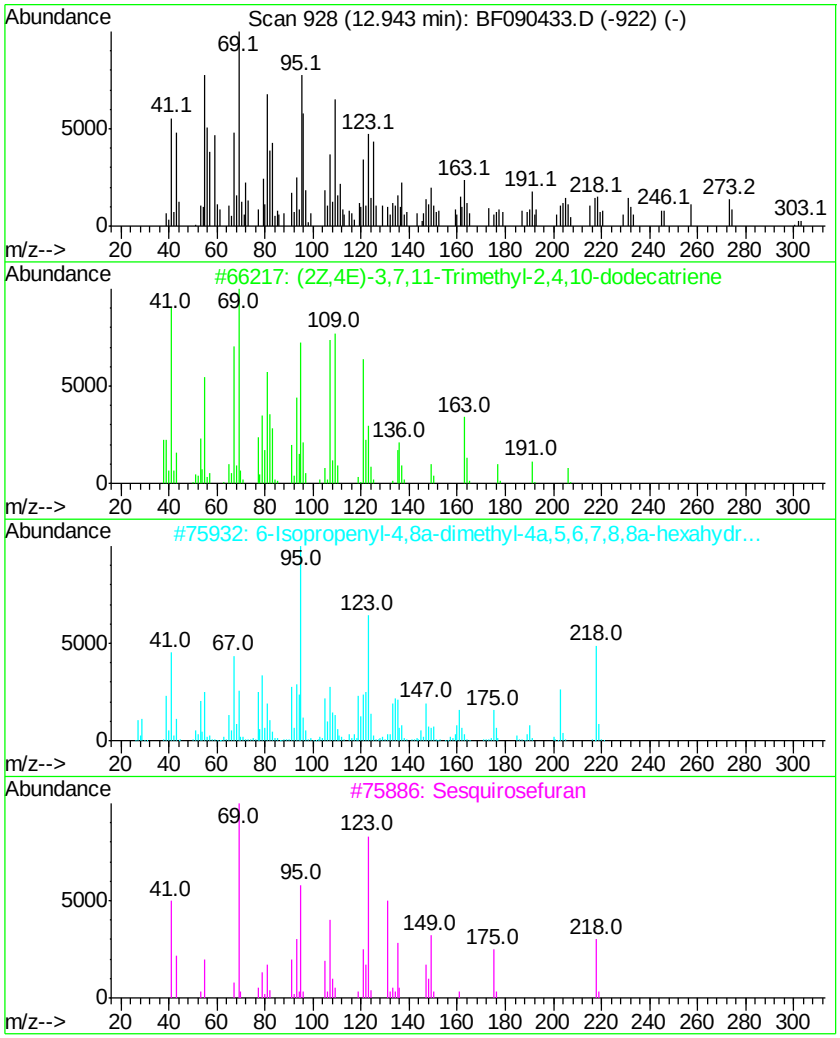
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

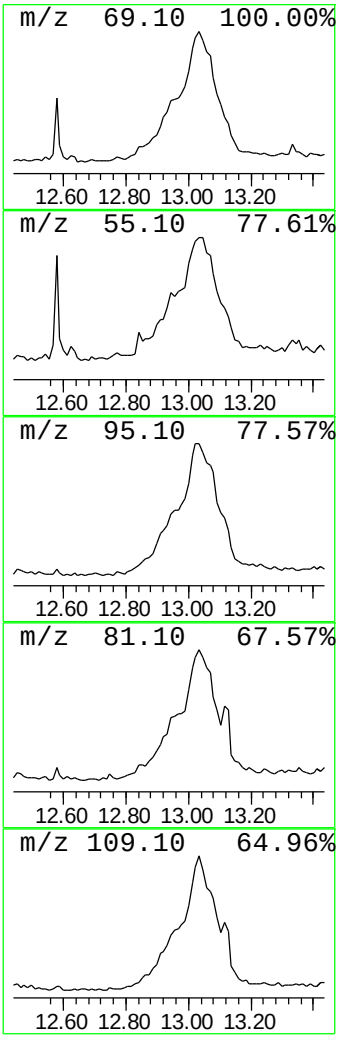
****

Peak Number 6 unknown12.94 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	6.86 ng	362057	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	49
2	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	45
3	Sesquirosefuran	218	C15H22O	039007-93-7	42
4	1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	42
5	1-Formyl-2,2,6-trimethyl-3-cis-(...	220	C15H24O	1000144-10-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

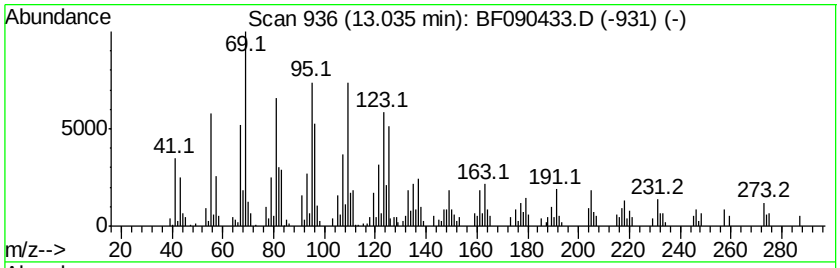
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

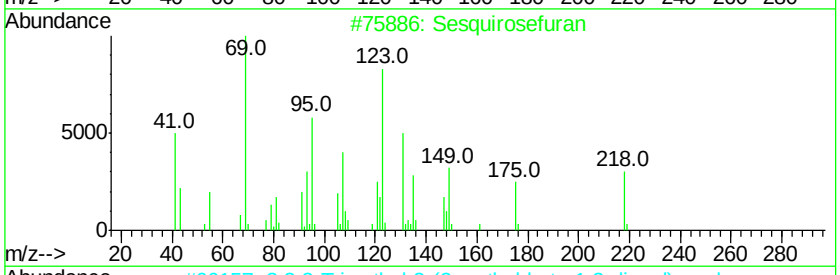
****

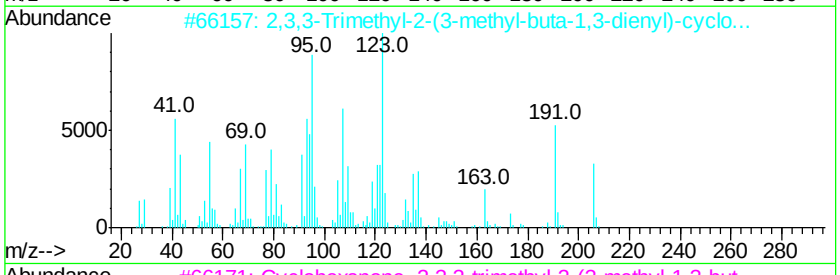
Peak Number 7 unknown13.03 Concentration Rank 3

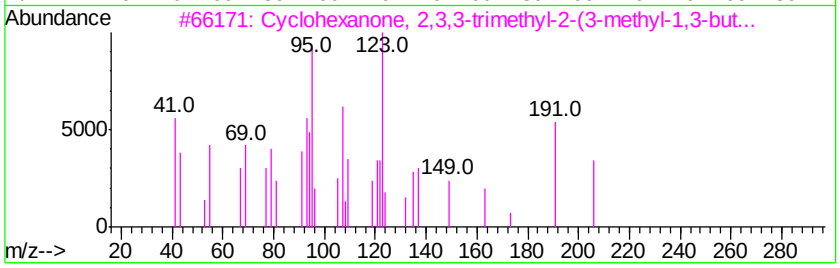
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	25.70 ng	1355350	Chrysene-d12	14.18

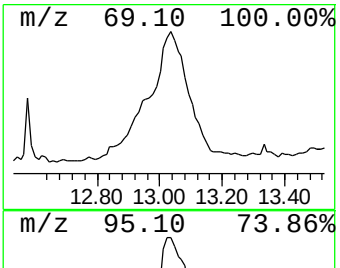
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sesquirosefuran	218	C15H22O	039007-93-7	42
2	2,3,3-Trimethyl-2-(3-methyl-buta...	206	C14H22O	1000193-60-6	41
3	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	41
4	Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	41
5	Trichloro(2-pentenyl)silane	202	C5H9Cl3Si	1000109-99-7	25

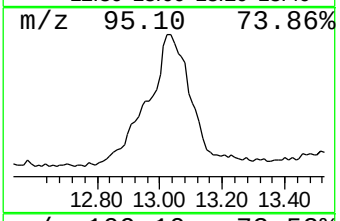


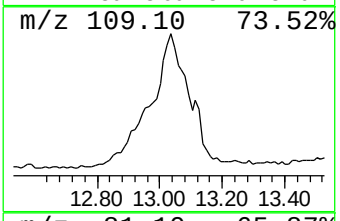


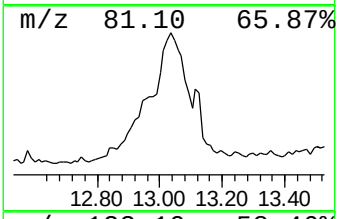


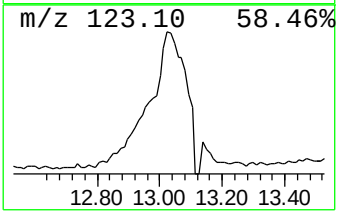












Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

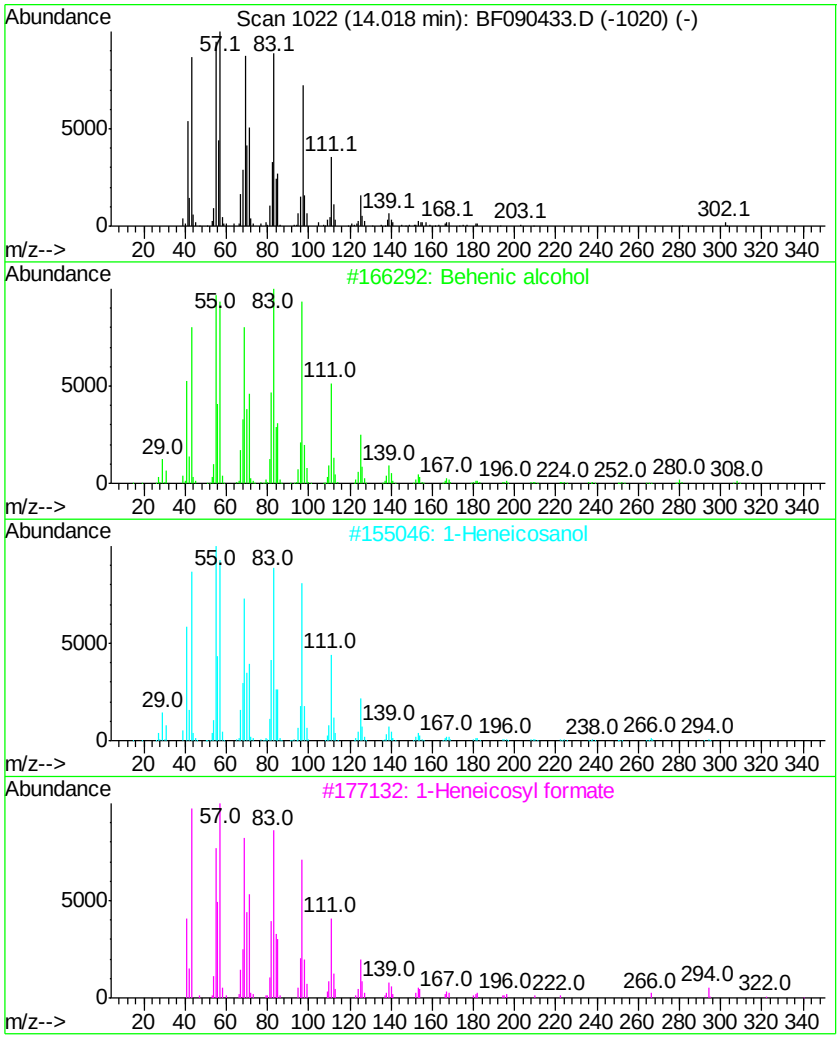
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

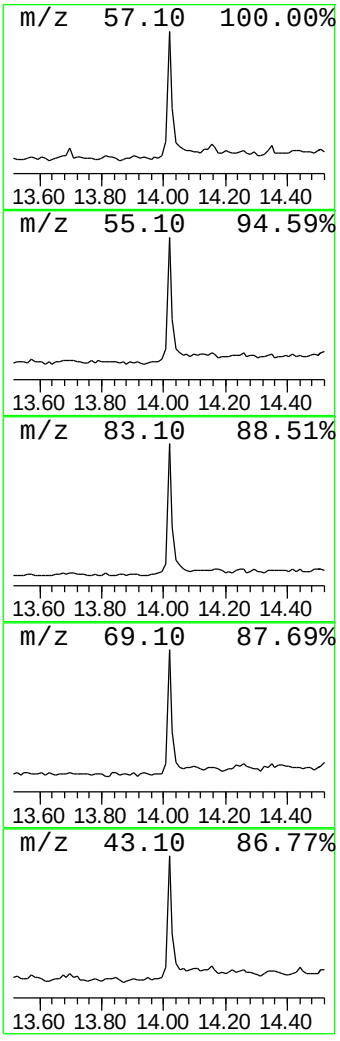
****

Peak Number 8 Behenic alcohol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	5.51 ng	290442	Chrysene-d12	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	92
3	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

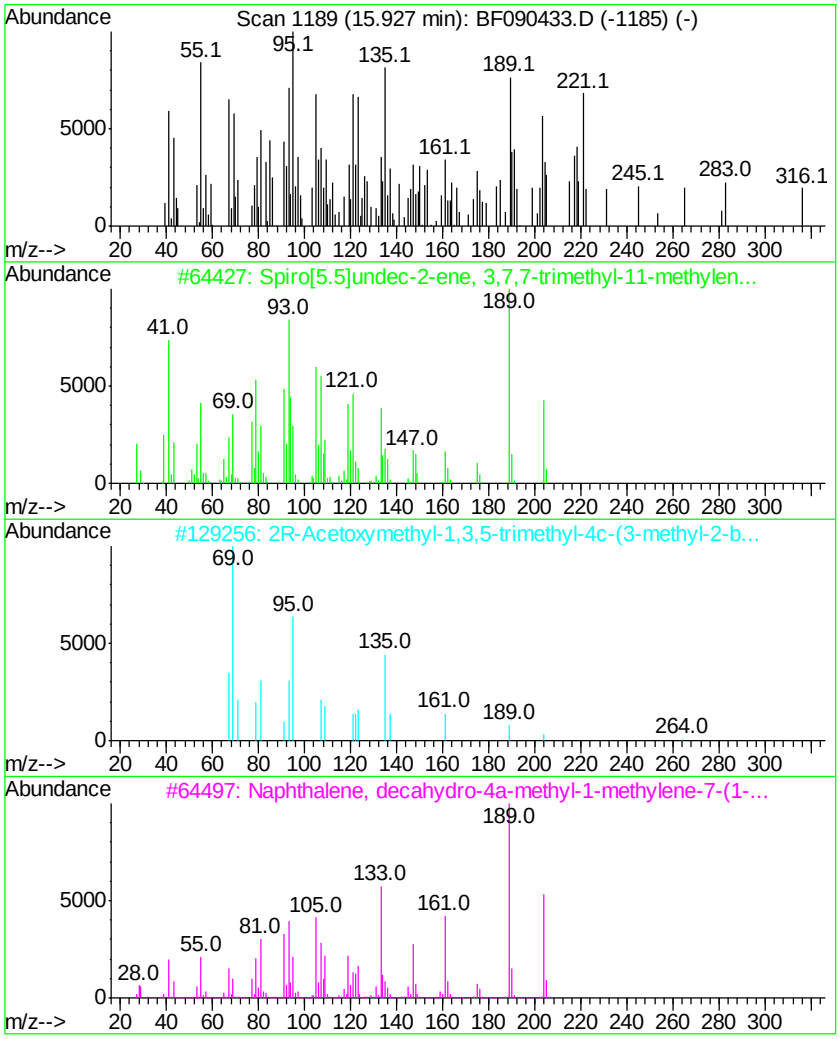
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

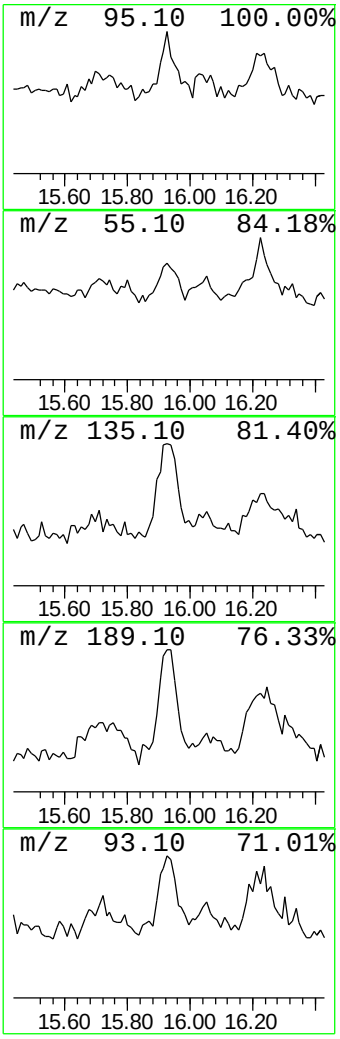
****

Peak Number 9 unknown15.93 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.86 ng	157314	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	25
2	2R-Acetoxymethyl-1,3,5-trimethyl...	282	C17H30O3	1000144-12-6	25
3	Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	25
4	2,10,10-Trimethyltricyclo[7.1.1....	204	C14H20O	1000210-81-9	25
5	Boron, 1,5-cyclooctanediyl(2,4-p...	218	C13H23BN2	136704-99-9	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100616\
Data File : BF090433.D
Acq On : 6 Oct 2016 22:10
Operator : UM/SJ
Sample : H5110-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : IMPACT-57-STONE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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-Pentene, 3,4-di...	4.57	6.0	ng	368569	1	7.00	1232250	20.0
2-Pentanone, 4-hy...	5.18	21.2	ng	1307390	1	7.00	1232250	20.0
unknown6.76	6.76	64.4	ng	3965740	1	7.00	1232250	20.0
1-Hexadecanol	11.75	4.0	ng	338897	4	11.54	1714360	20.0
unknown12.94	12.94	6.9	ng	362057	5	14.18	1054850	20.0
unknown13.03	13.03	25.7	ng	1355350	5	14.18	1054850	20.0
Behenic alcohol	14.02	5.5	ng	290442	5	14.18	1054850	20.0
unknown15.93	15.93	2.9	ng	157314	6	15.68	1101680	20.0