LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

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-BF101015.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	3.291	97	101	112	rVB	59044	123228	2.05%	0.429%
2	4.343	188	193	196	rBV	2492053	6014012	100.00%	20.925%
3	5.017	247	252	255	rBV	1710375	3860736	64.20%	13.433%
4	6.446	375	377	387	rBV	363937	409993	6.82%	1.427%
5	6.583	387	389	393	rVB	116896	102207	1.70%	0.356%
6	6.823	408	410	412	rBV	374721	395683	6.58%	1.377%
7	6.972	421	423	426	rBV	1122143	1148919	19.10%	3.997%
8	7.143	437	438	441	rBV3	99591	118367	1.97%	0.412%
9	7.395	457	460	462	rBV	717462	880741	14.64%	3.064%
10	8.103	520	522	525	rBV	392624	558478	9.29%	1.943%
11	9.189	614	617	619	rBV	2132011	1910208	31.76%	6.646%
12	9.589	649	652	654	rBV	328025	298940	4.97%	1.040%
13	9.863	674	676	679	rBV	642701	697315	11.59%	2.426%
14	10.298	710	714	716	rBV2	34345	61283	1.02%	0.213%
15	10.766	753	755	760	rVB	53957	79141	1.32%	0.275%
16	11.349	804	806	809	rBV	462562	677509	11.27%	2.357%
17	11.406	809	811	815	rVB	53120	77581	1.29%	0.270%
18	11.601	823	828	829	rBV3	39530	77669	1.29%	0.270%
19	11.646	830	832	833	rBV	86307	68018	1.13%	0.237%
20	11.806	844	846	849	rBV2	33419	89537	1.49%	0.312%
21	11.966	857	860	861	rBV3	41124	78456	1.30%	0.273%
22	12.058	866	868	869	rVV	96986	85531	1.42%	0.298%
23	12.344	890	893	895	rBV	108728	232518	3.87%	0.809%
24	12.447	901	902	904	rBV	111440	107532	1.79%	0.374%
25	12.549	909	911	913	rBV2	92067	137542	2.29%	0.479%
26	12.687	919	923	925	rBV2	112306	282906	4.70%	0.984%
27	12.801	931	933	934	rBV	125219	153938	2.56%	0.536%
28	12.949	943	946	949	rBV	1592613	2153803	35.81%	7.494%
29	13.224	968	970	973	rBV2	181101	395282	6.57%	1.375%
30	13.315	976	978	979	rVV	240157	292201	4.86%	1.017%
31	13.395	983	985	987	rBV2	184656	364569	6.06%	1.268%
32	13.875	1023	1027	1033	rBV2	370146	1267921	21.08%	4.412%
33	14.035	1039	1041	1044	rBV	417812	488603	8.12%	1.700%
34	14.332	1065	1067	1071	rBV2	301185	556738	9.26%	1.937%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

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-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.693	1184	1186	1192	rVB2	362071	763550	12.70%	2.657%
36	16.241	1232	1234	1243	rVB	686588	1929173	32.08%	6.712%
37	16.664	1268	1271	1278	rVB	806012	1801156	29.95%	6.267%

Sum of corrected areas: 28740984

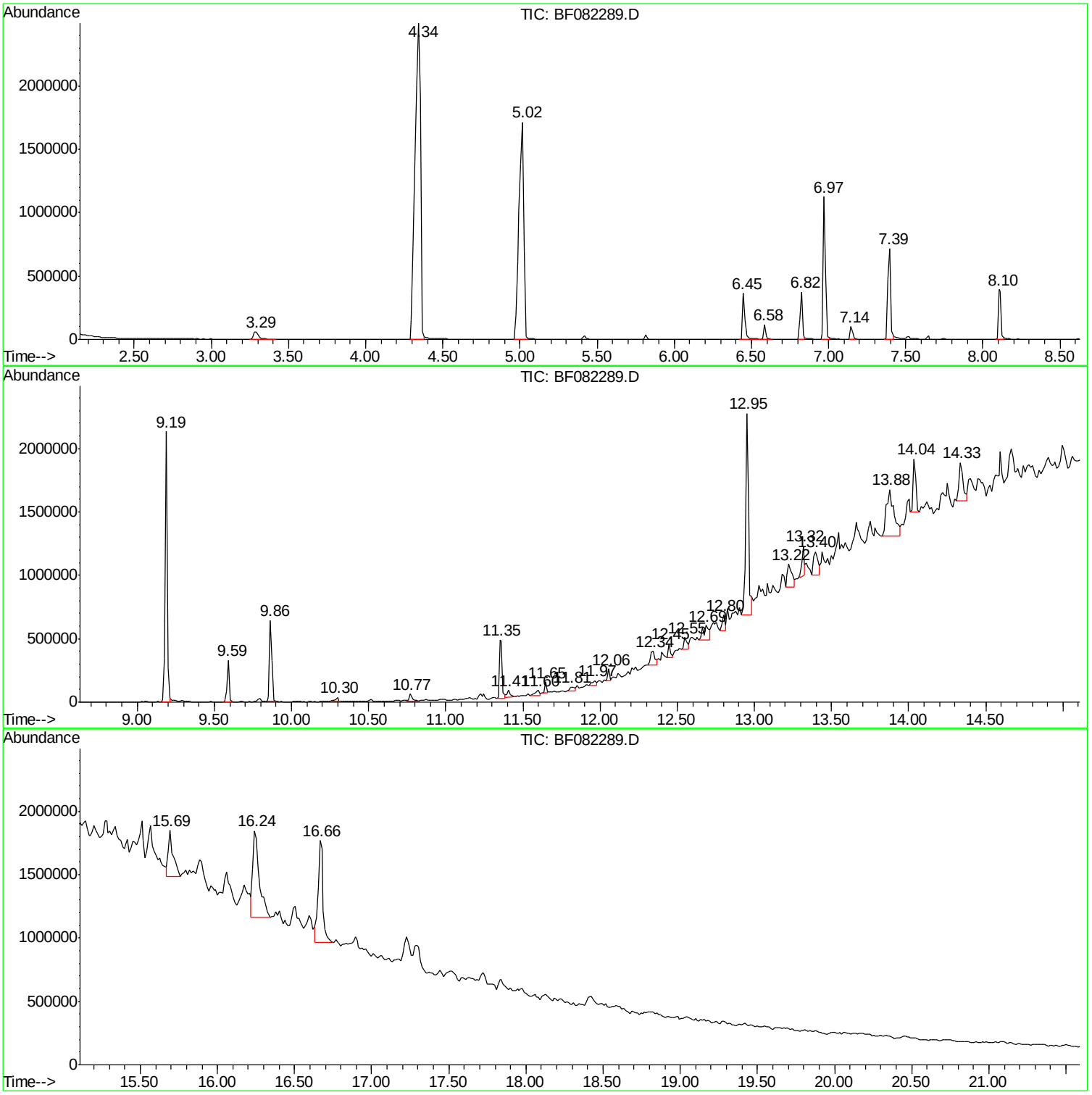
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

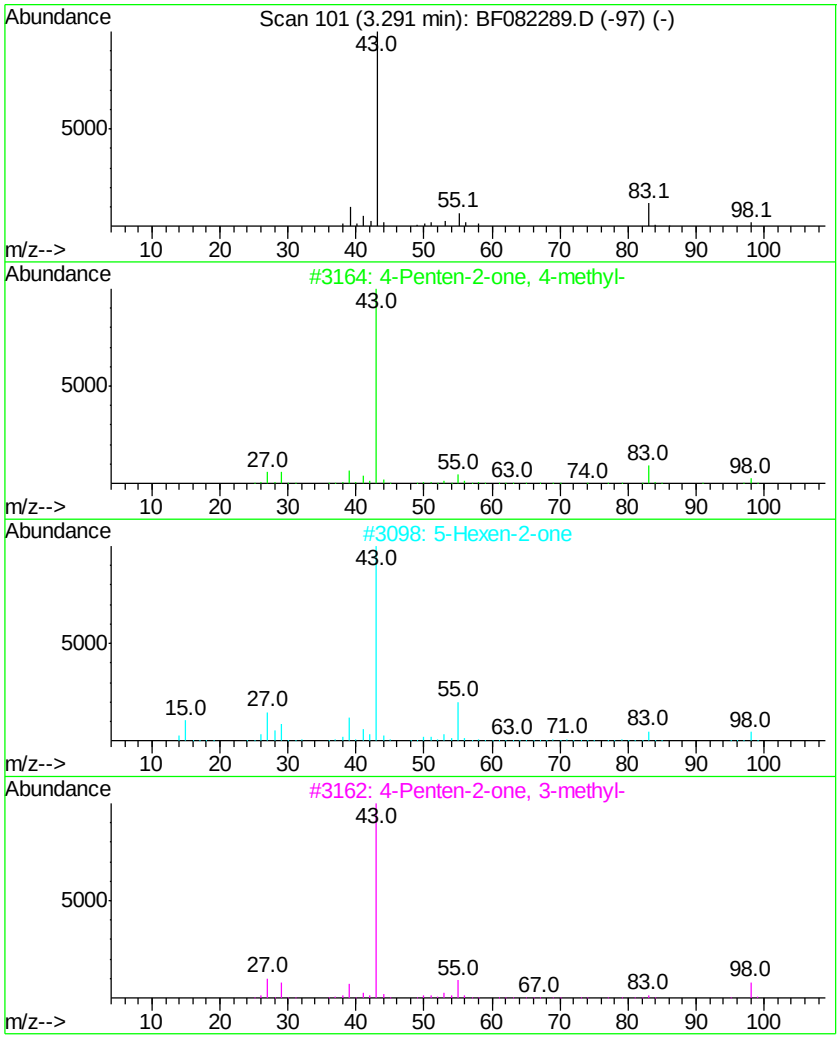
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

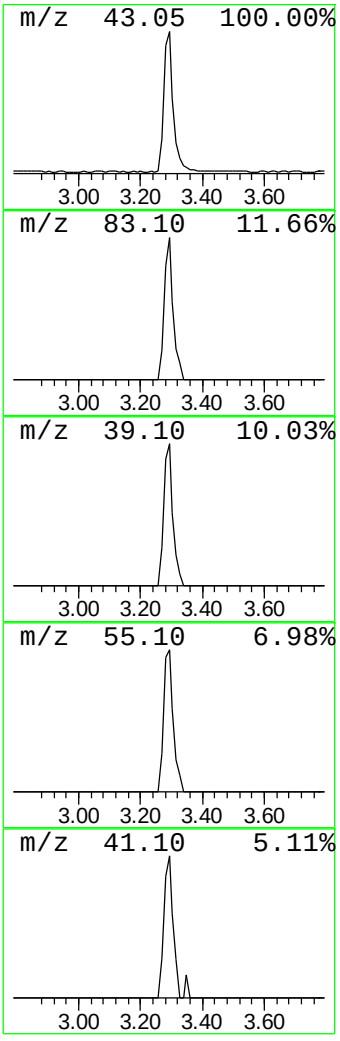
****

Peak Number 1 4-Penten-2-one, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	6.23 ng	123228	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	78
2	5-Hexen-2-one	98	C6H10O	000109-49-9	50
3	4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	25
4	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	17
5	Methyl 1-methylcyclopropyl ketone	98	C6H10O	001567-75-5	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

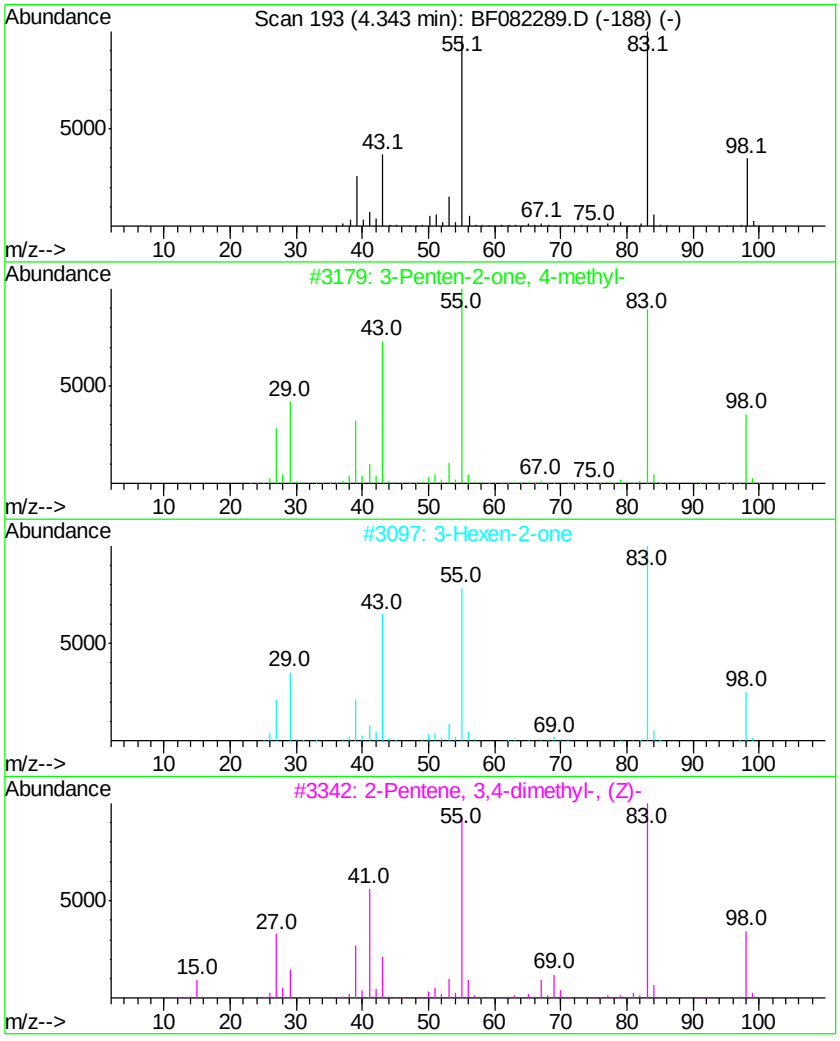
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

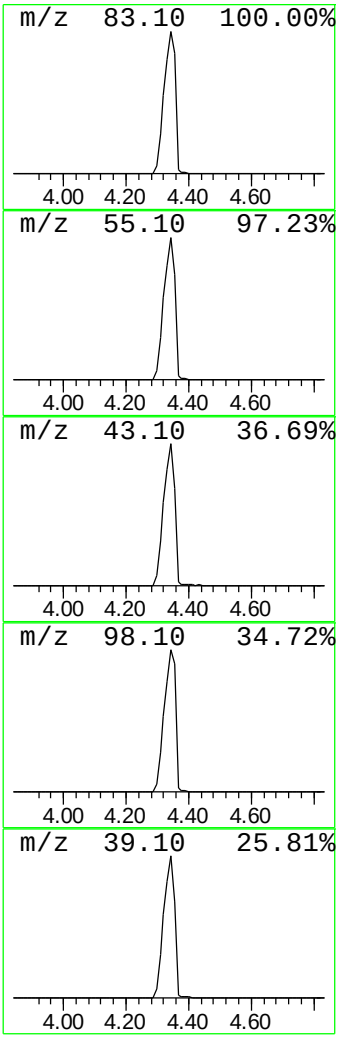
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.34	303.98 ng	6014010	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

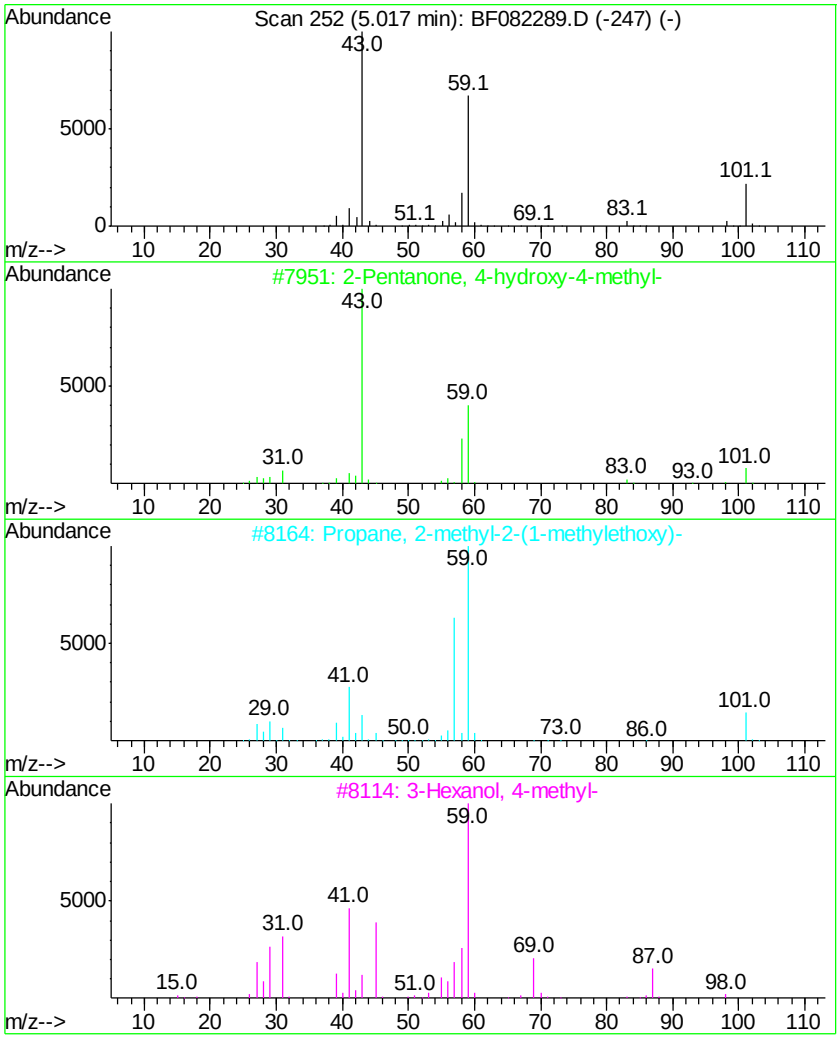
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

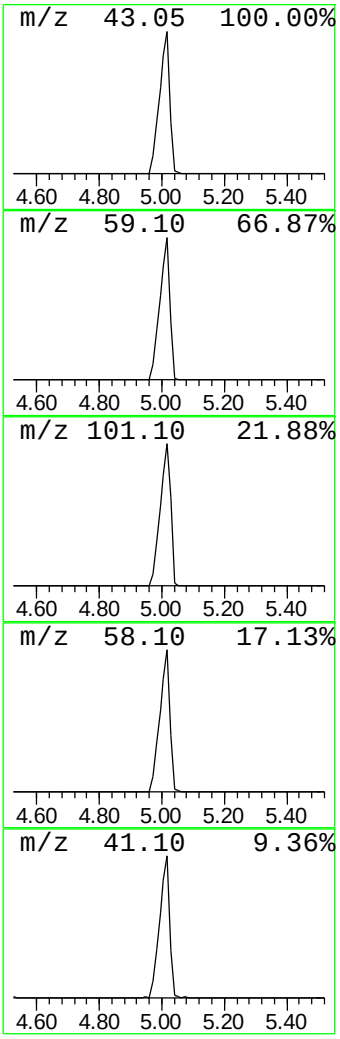
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	195.14 ng	3860740	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

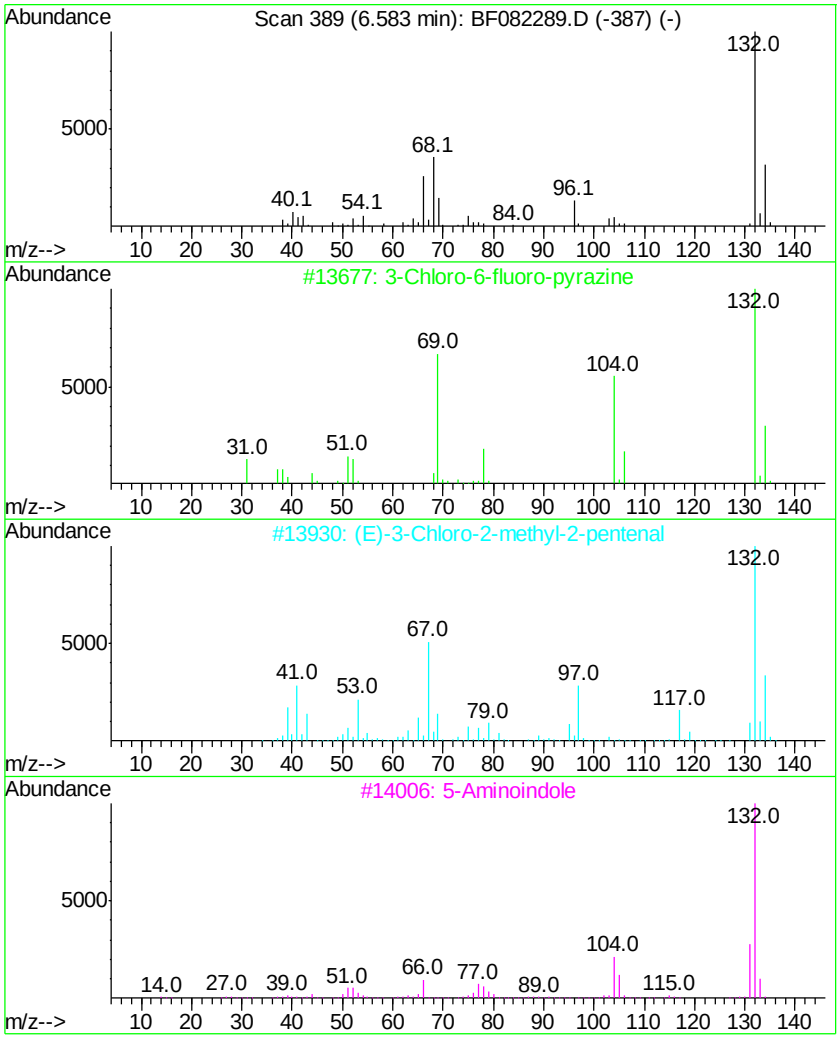
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

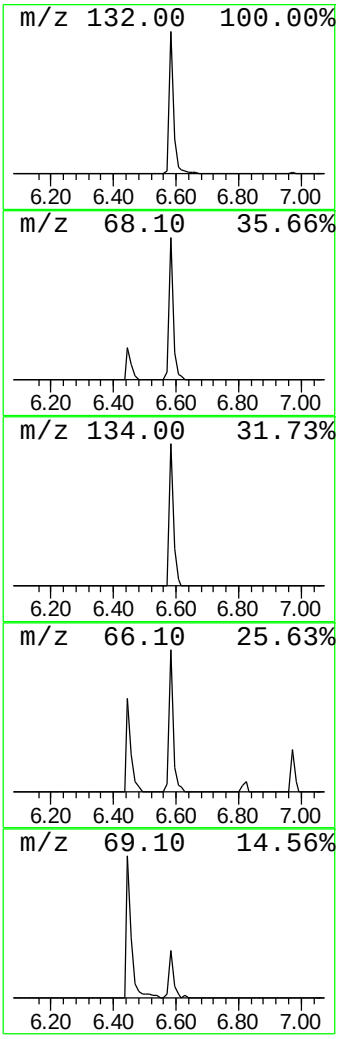
****

Peak Number 4 unknown6.58 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	5.17 ng	102207	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

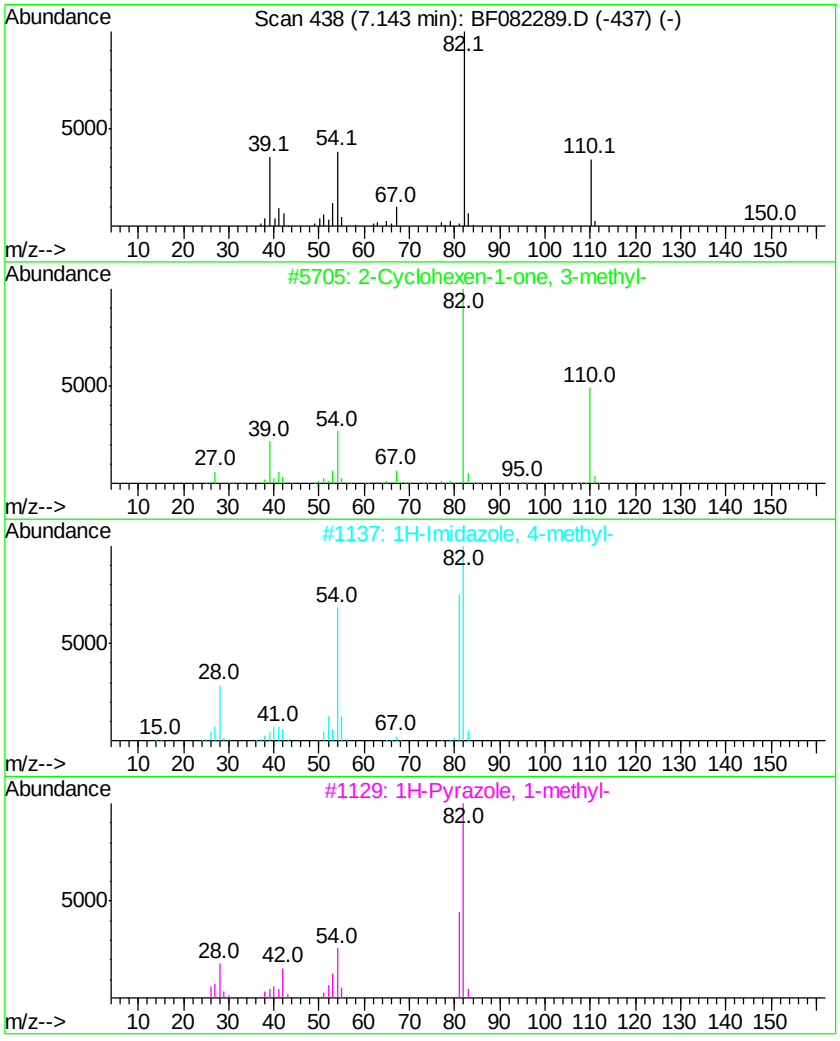
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

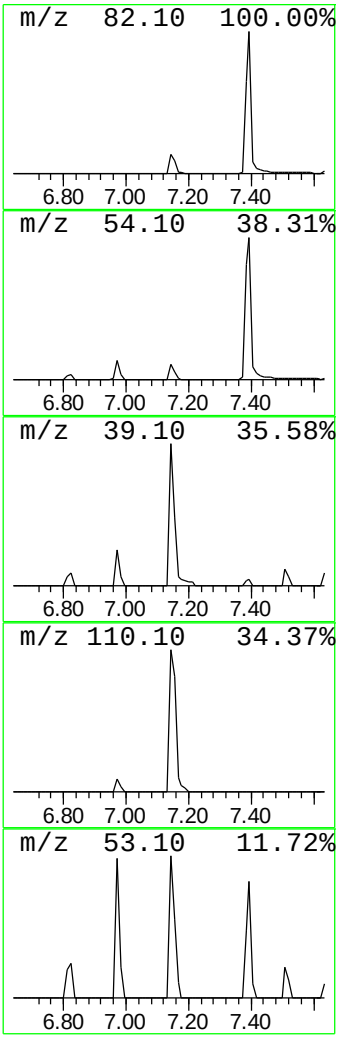
****

Peak Number 6 2-Cyclohexen-1-one, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	5.98 ng	118367	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3-methyl-	110	C7H10O	001193-18-6	91
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	59
3	1H-Pyrazole, 1-methyl-	82	C4H6N2	000930-36-9	50
4	1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	49
5	2-Cyclohexen-1-one, 6-(1-hydroxy...	168	C10H16O2	087791-00-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

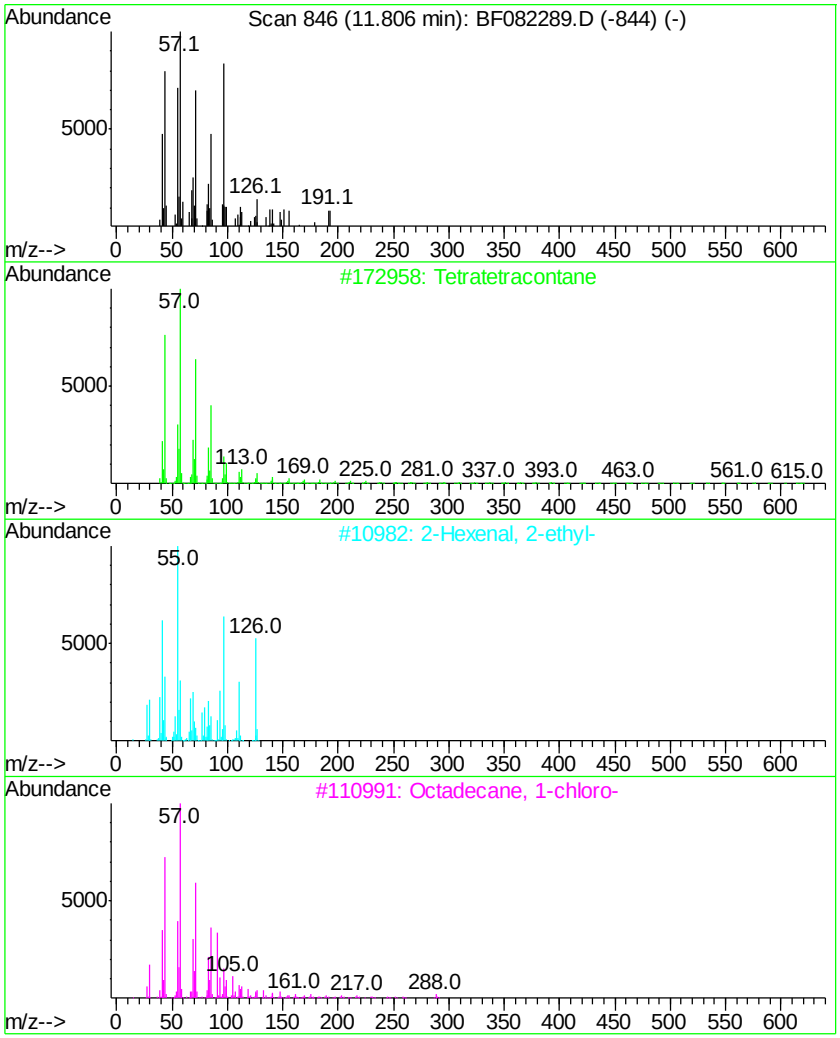
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

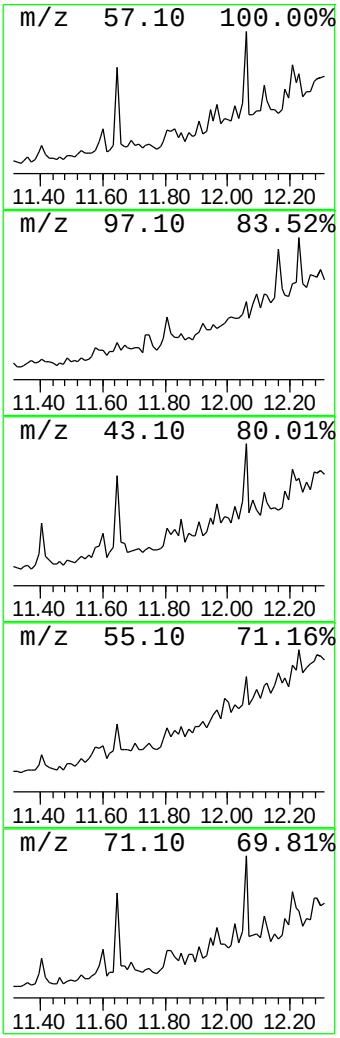
****

Peak Number 7 unknown11.81 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.64 ng	89537	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	43
2	2-Hexenal, 2-ethyl-	126	C8H14O	000645-62-5	43
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	43
4	Tritetracontane	605	C43H88	007098-21-7	43
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	41





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

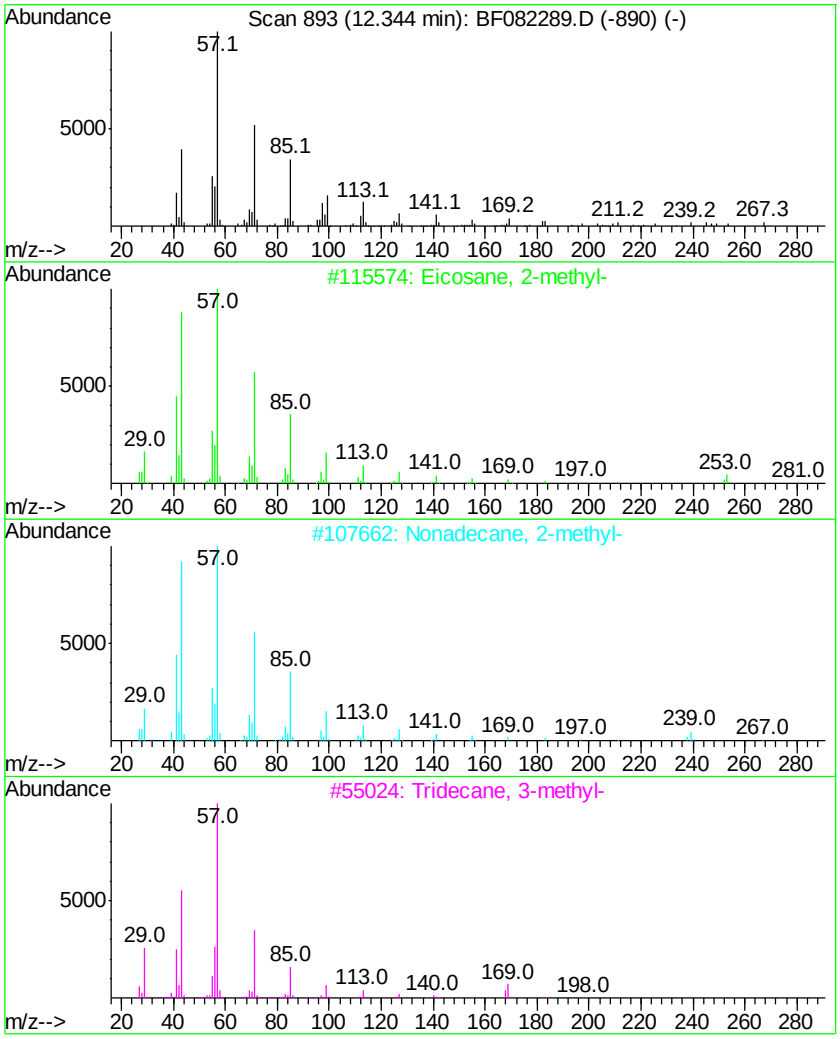
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

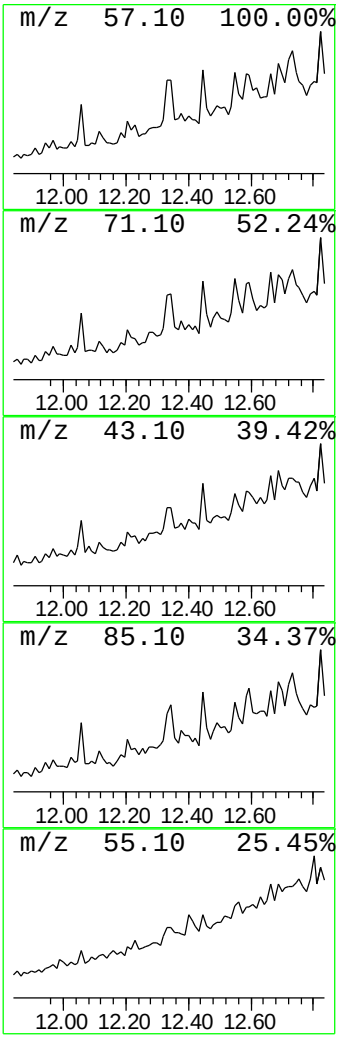
****

Peak Number 8 Eicosane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	6.86 ng	232518	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
2	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	86
4	Octacosane	394	C28H58	000630-02-4	83
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

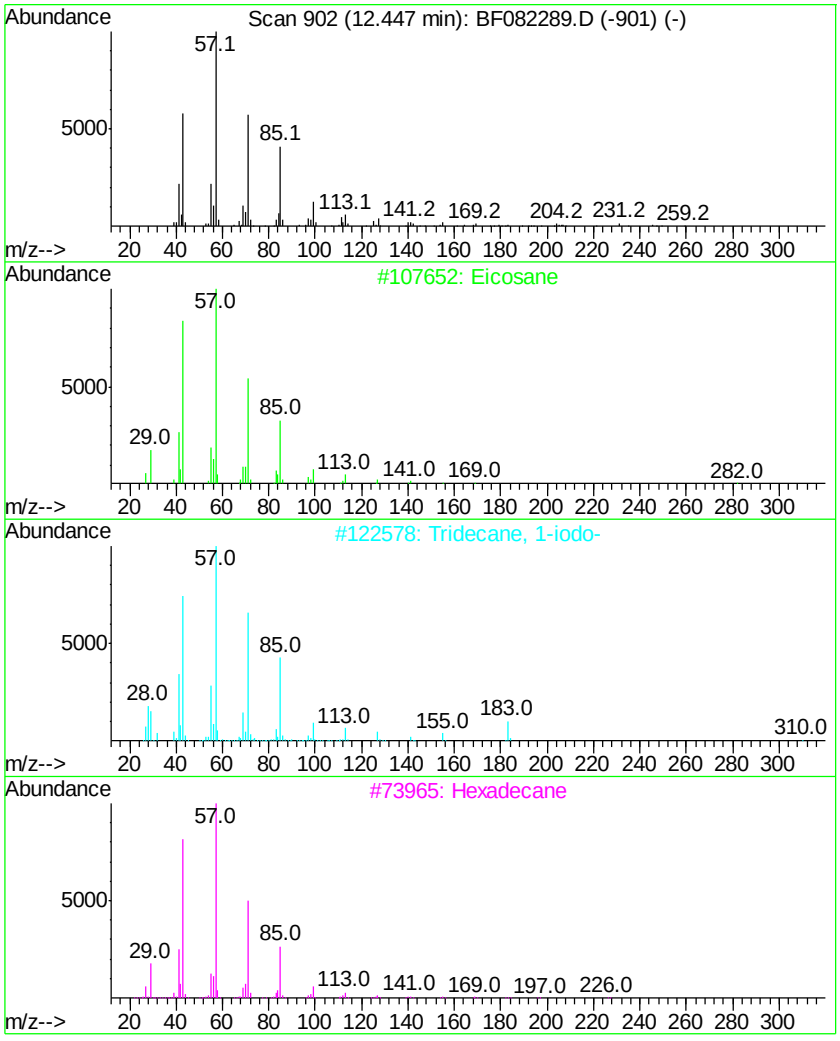
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

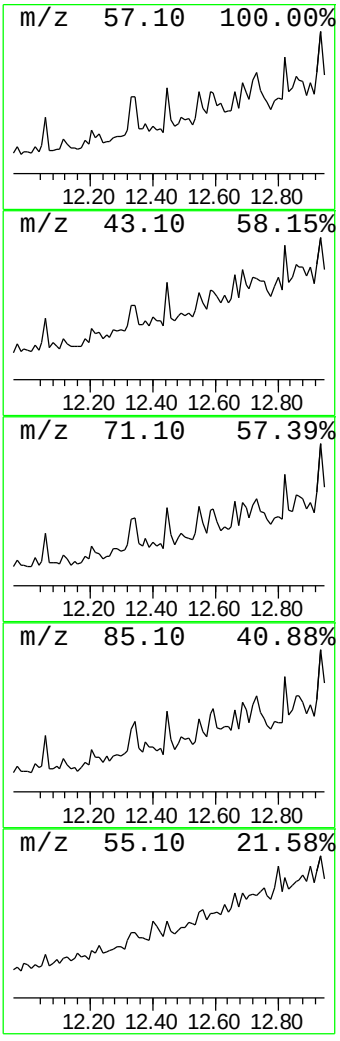
****

Peak Number 9 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.17 ng	107532	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Pentadecane	212	C15H32	000629-62-9	83
5	Heneicosane	296	C21H44	000629-94-7	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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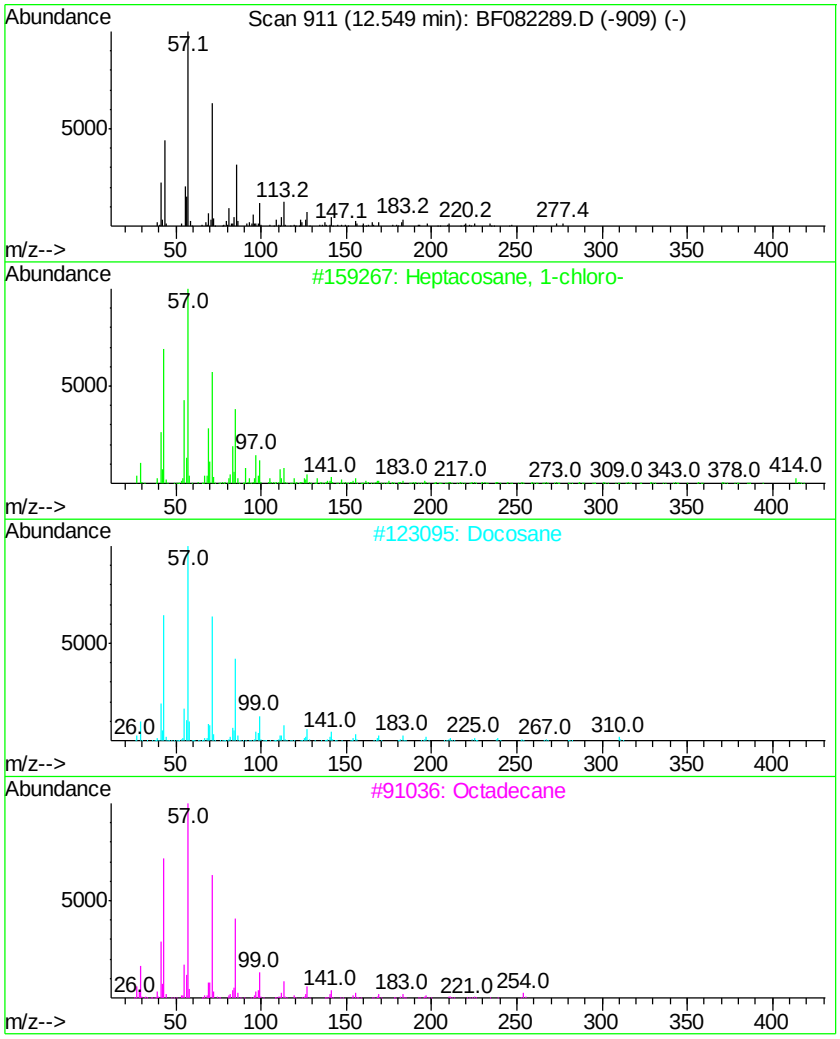
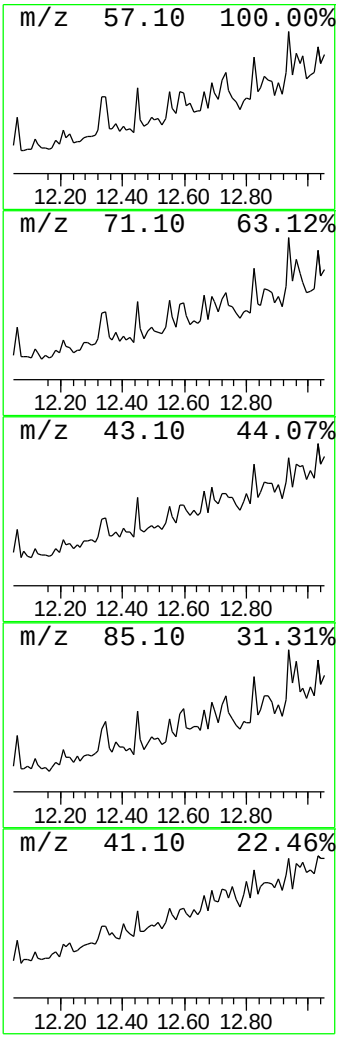
Peak Number 10 Heptacosane, 1-chloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.06 ng	137542	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
2	Docosane	310	C22H46	000629-97-0	72
3	Octadecane	254	C18H38	000593-45-3	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Hexatriacontane	507	C36H74	000630-06-8	72





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Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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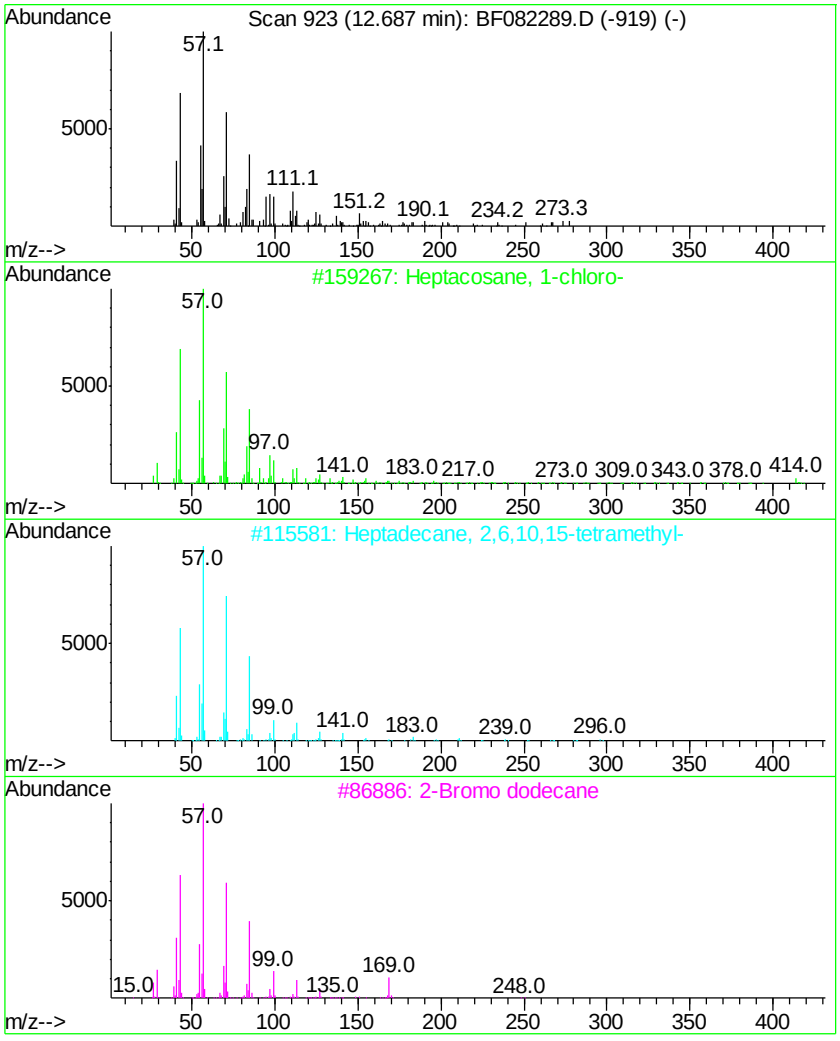
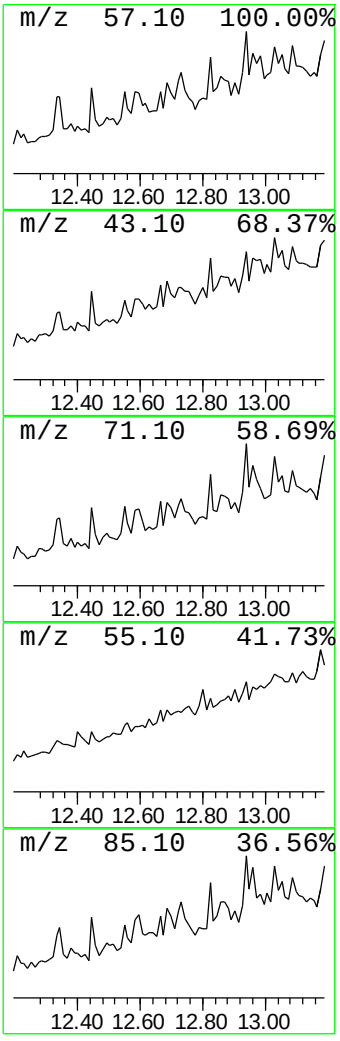
Peak Number 11 Heptadecane, 2,6,10,15-tetr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	8.35 ng	282906	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
4	Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	64
5	Heptacosane	380	C27H56	000593-49-7	64





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Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

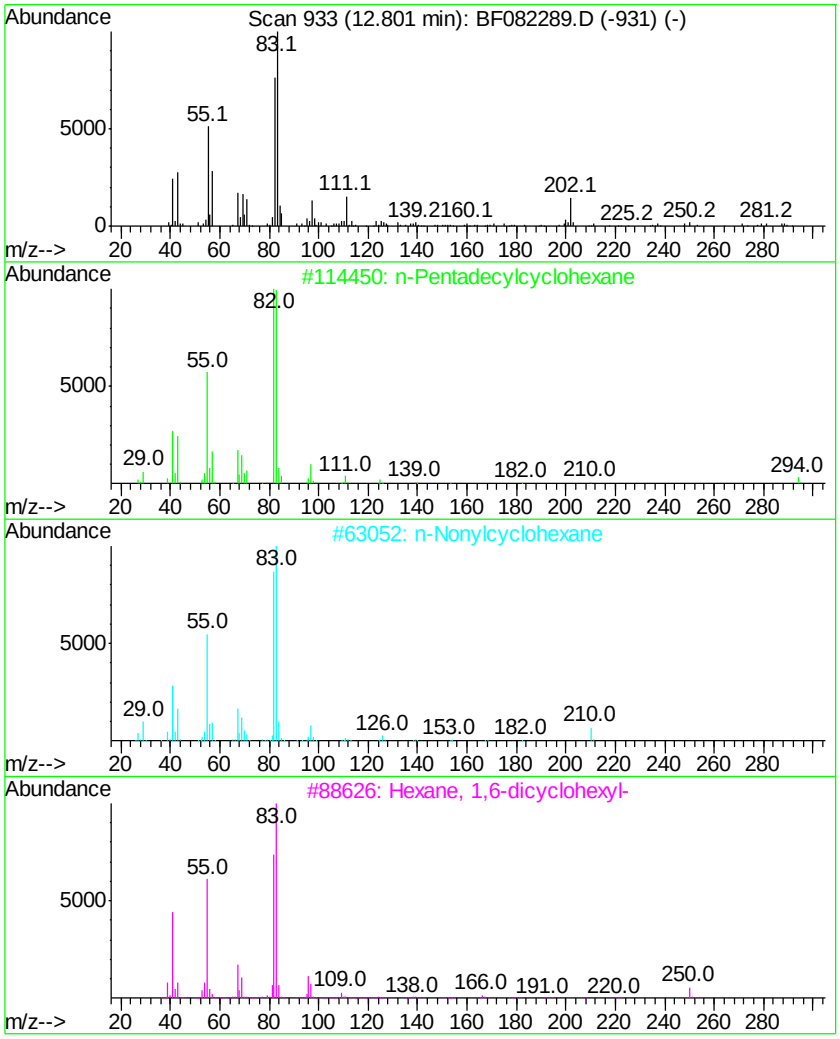
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

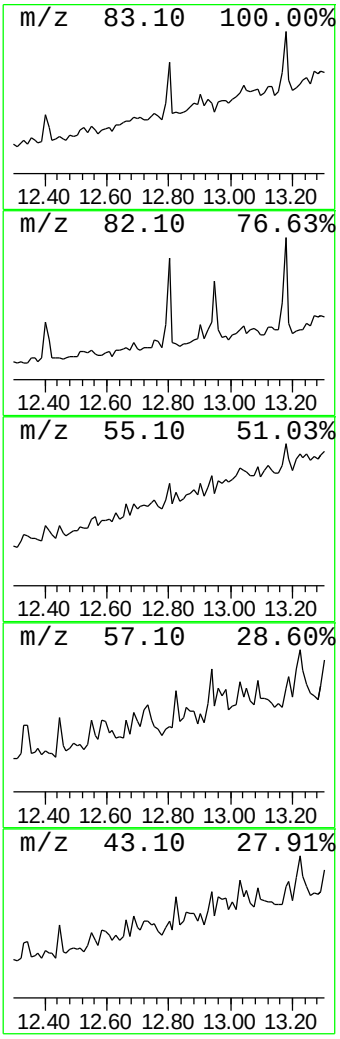
****

Peak Number 12 n-Pentadecylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	6.30 ng	153938	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Pentadecylcyclohexane	294	C21H42	006006-95-7	80
2	n-Nonylcyclohexane	210	C15H30	002883-02-5	80
3	Hexane, 1,6-dicyclohexyl-	250	C18H34	001610-23-7	74
4	Dodecylcyclohexane	252	C18H36	001795-17-1	72
5	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	72





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Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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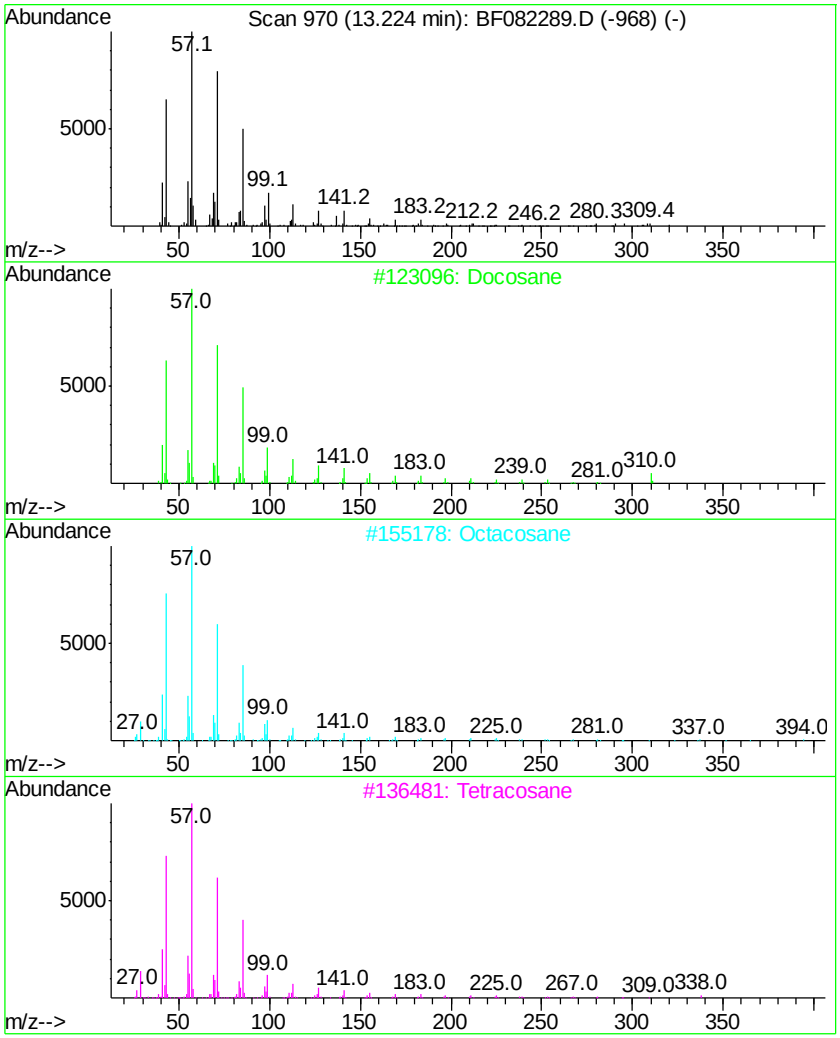
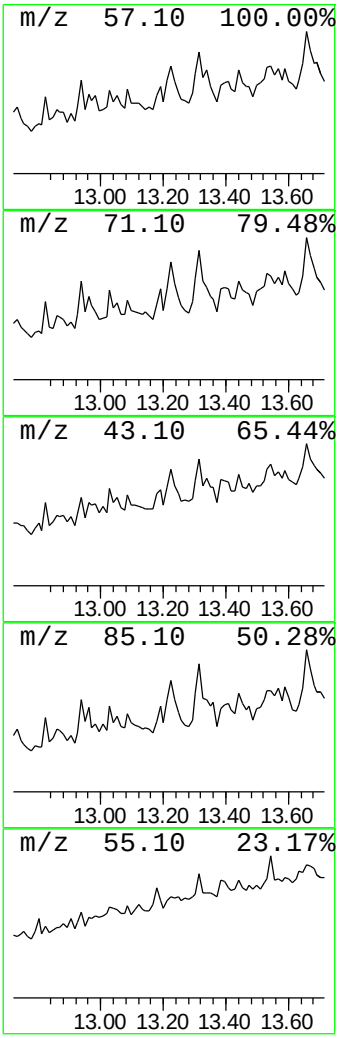
Peak Number 13 Docosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	16.18 ng	395282	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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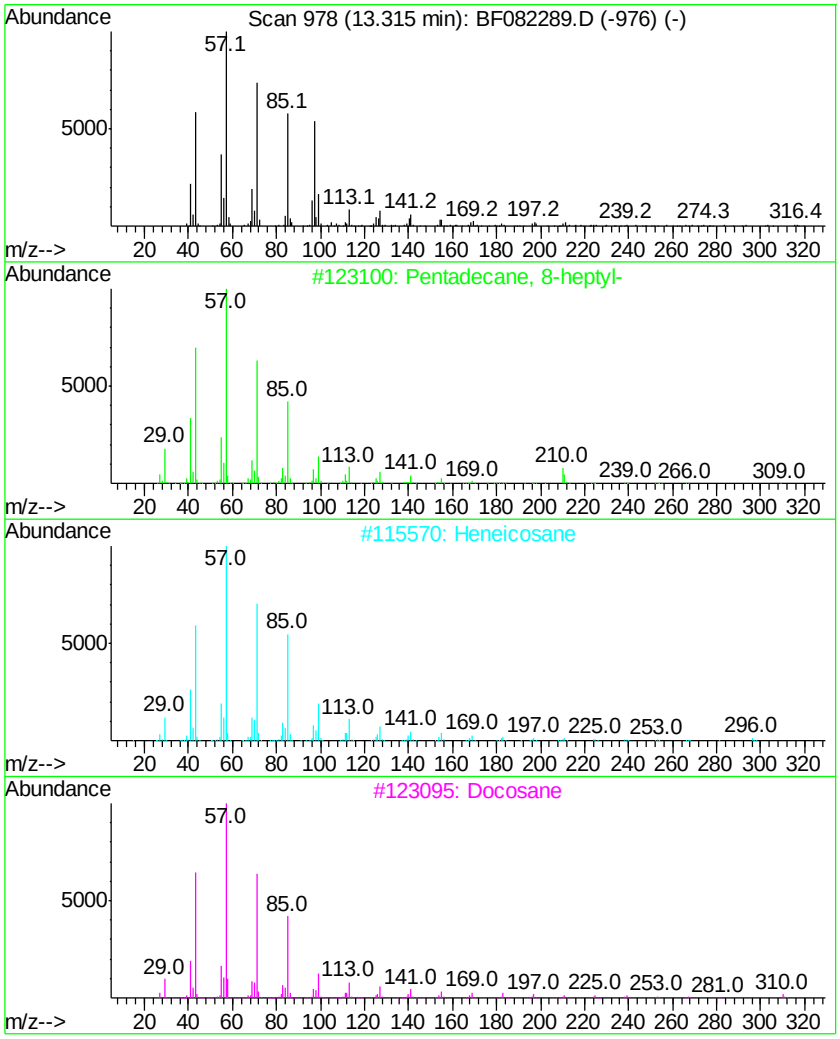
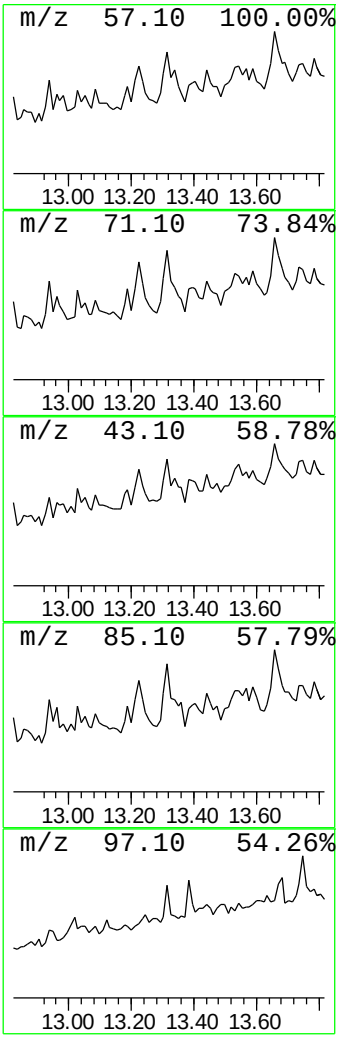
Peak Number 14 Pentadecane, 8-heptyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	11.96 ng	292201	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	64
2	Heneicosane	296	C21H44	000629-94-7	64
3	Docosane	310	C22H46	000629-97-0	64
4	Tetradecane	198	C14H30	000629-59-4	64
5	Octadecane	254	C18H38	000593-45-3	62





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Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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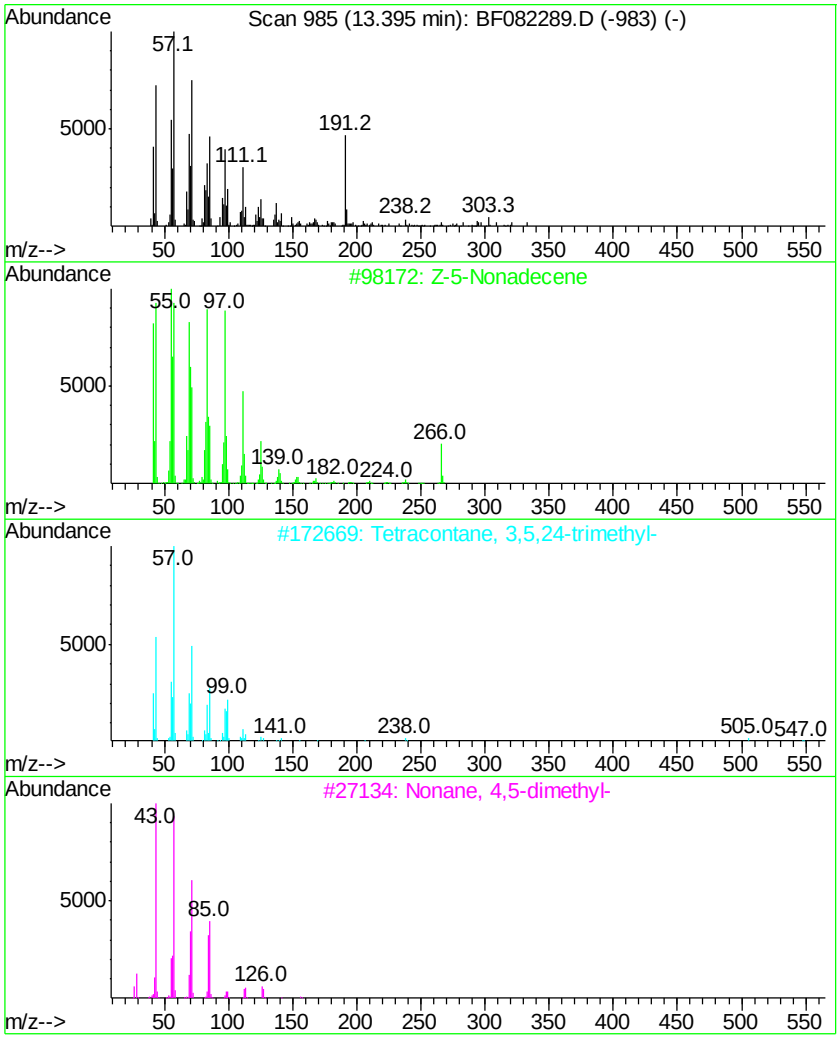
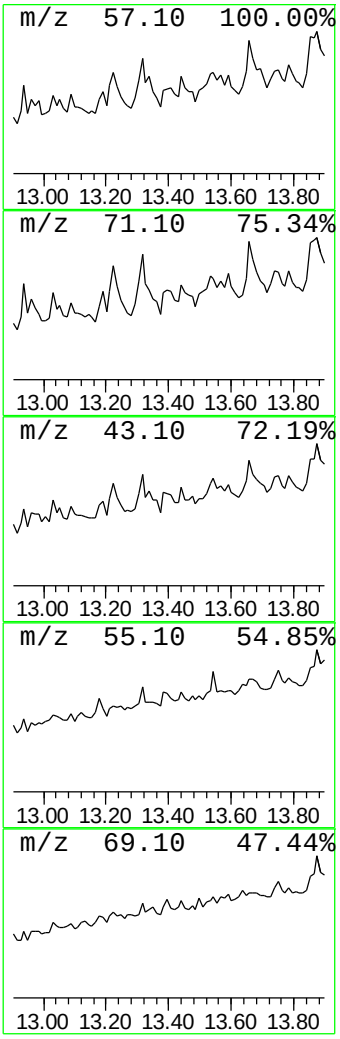
Peak Number 15 Z-5-Nonadecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	14.92 ng	364569	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-5-Nonadecene	266	C19H38	1000131-11-8	60
2	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	52
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	46
4	Pentadecane	212	C15H32	000629-62-9	46
5	Tetradecane, 1-bromo-	276	C14H29Br	000112-71-0	45





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Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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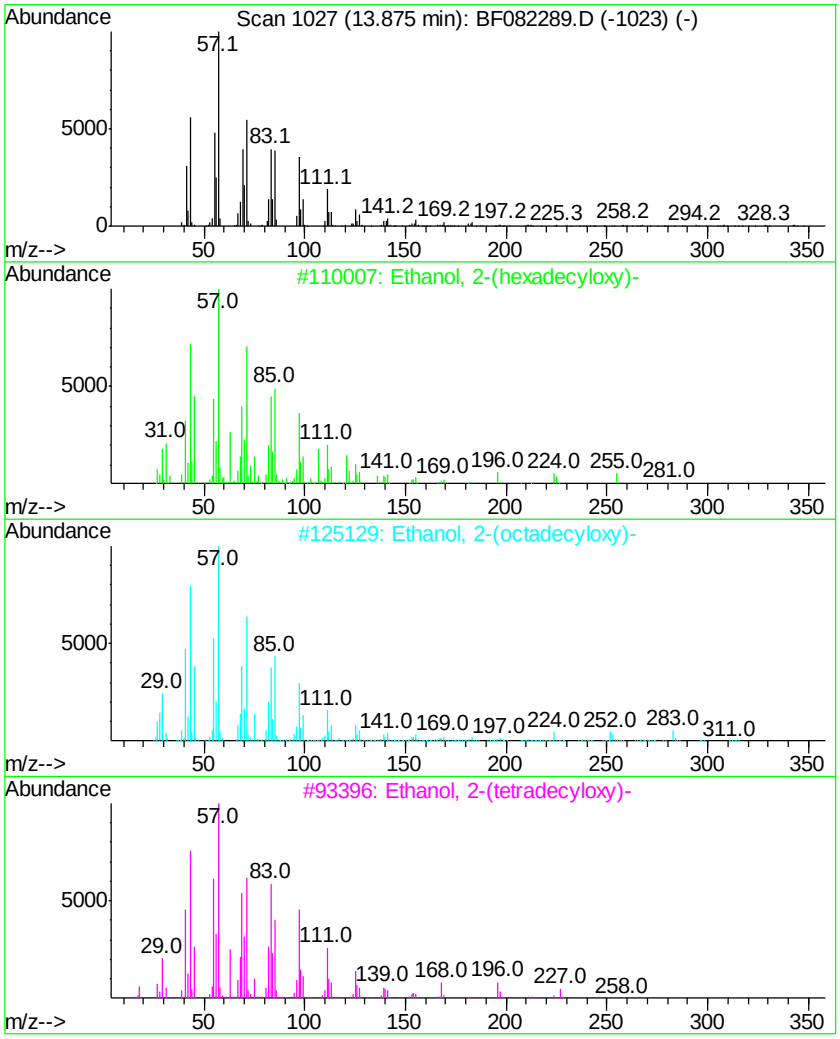
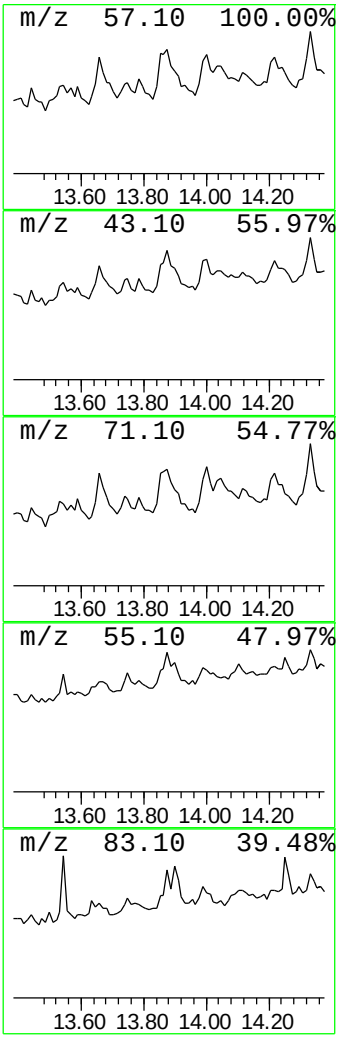
Peak Number 16 Ethanol, 2-(hexadecyloxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	51.90 ng	1267920	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	86
2	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	80
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	64
4	E-15-Heptadecenal	252	C17H32O	1000130-97-9	64
5	17-Pentatriacontene	491	C35H70	006971-40-0	62





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Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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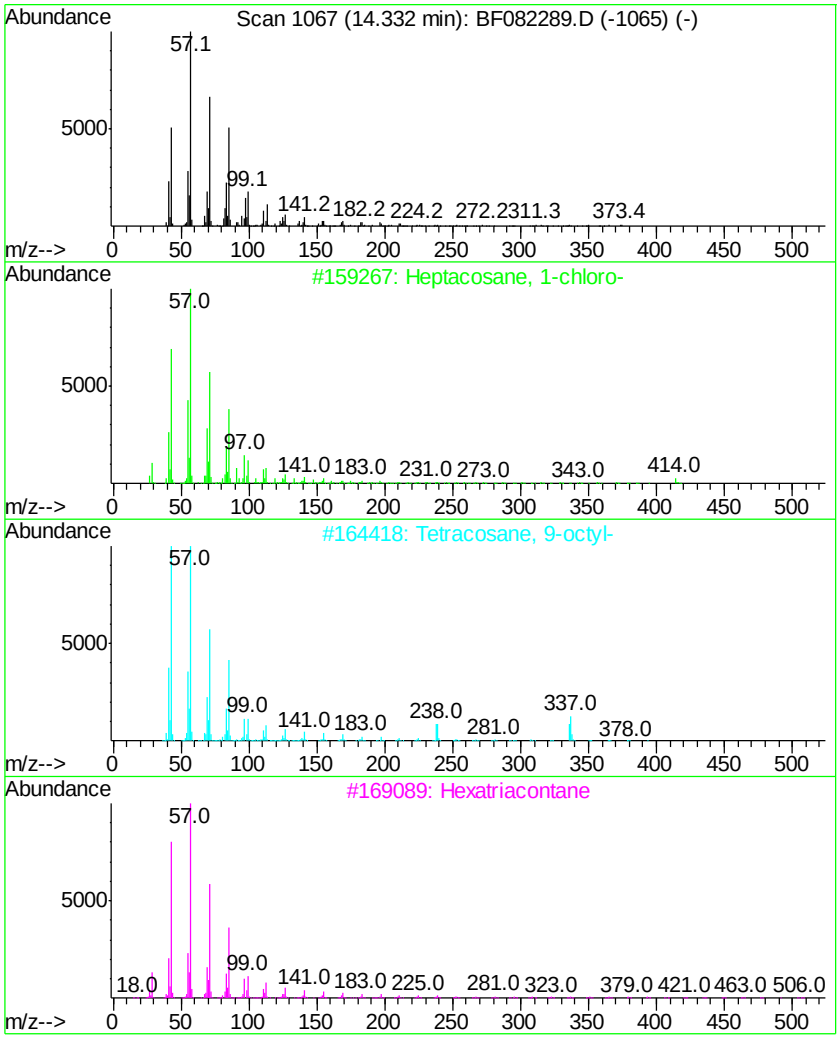
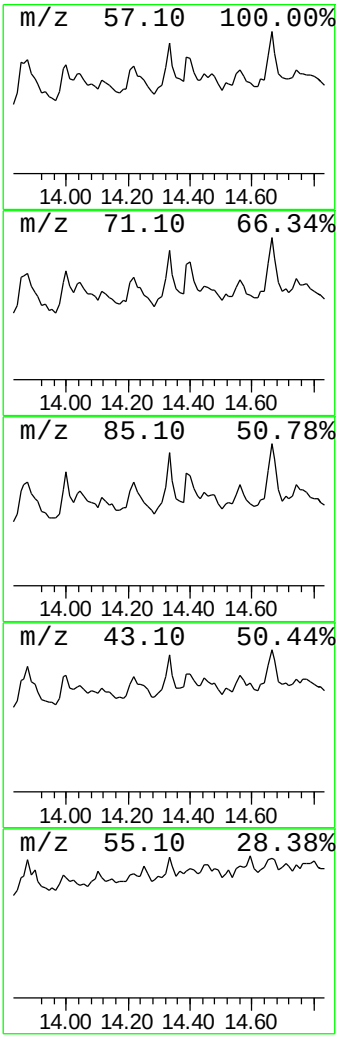
Peak Number 17 Tetracosane, 9-octyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	22.79 ng	556738	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	91
2	Tetracosane, 9-octyl-	451	C32H66	055401-54-2	90
3	Hexatriacontane	507	C36H74	000630-06-8	86
4	Heneicosane	296	C21H44	000629-94-7	83
5	Tetracosane	338	C24H50	000646-31-1	80





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Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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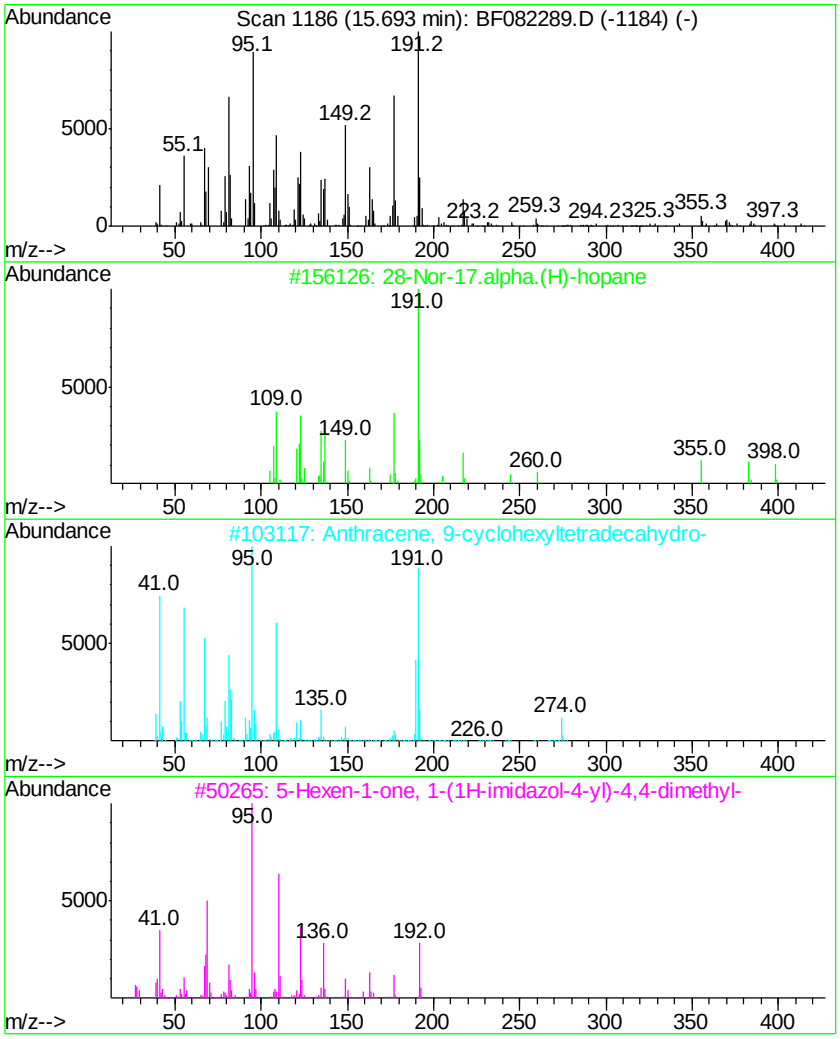
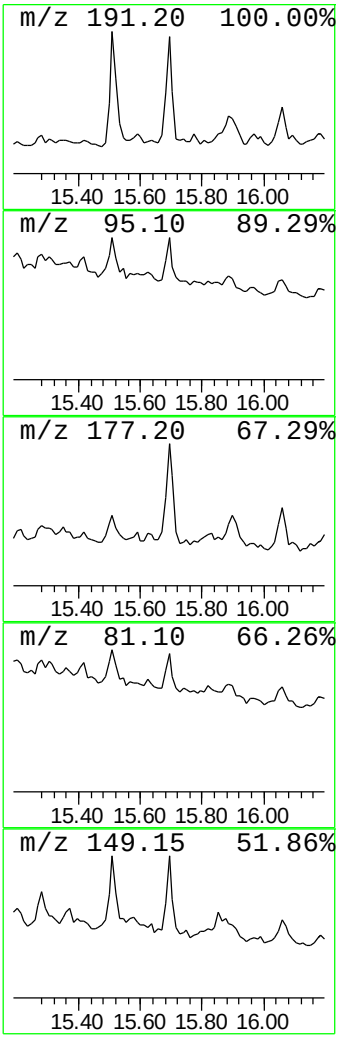
Peak Number 18 28-Nor-17.alpha.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	20.00 ng	763550	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	59
2	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	43
3	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	30
4	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	25
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	14





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Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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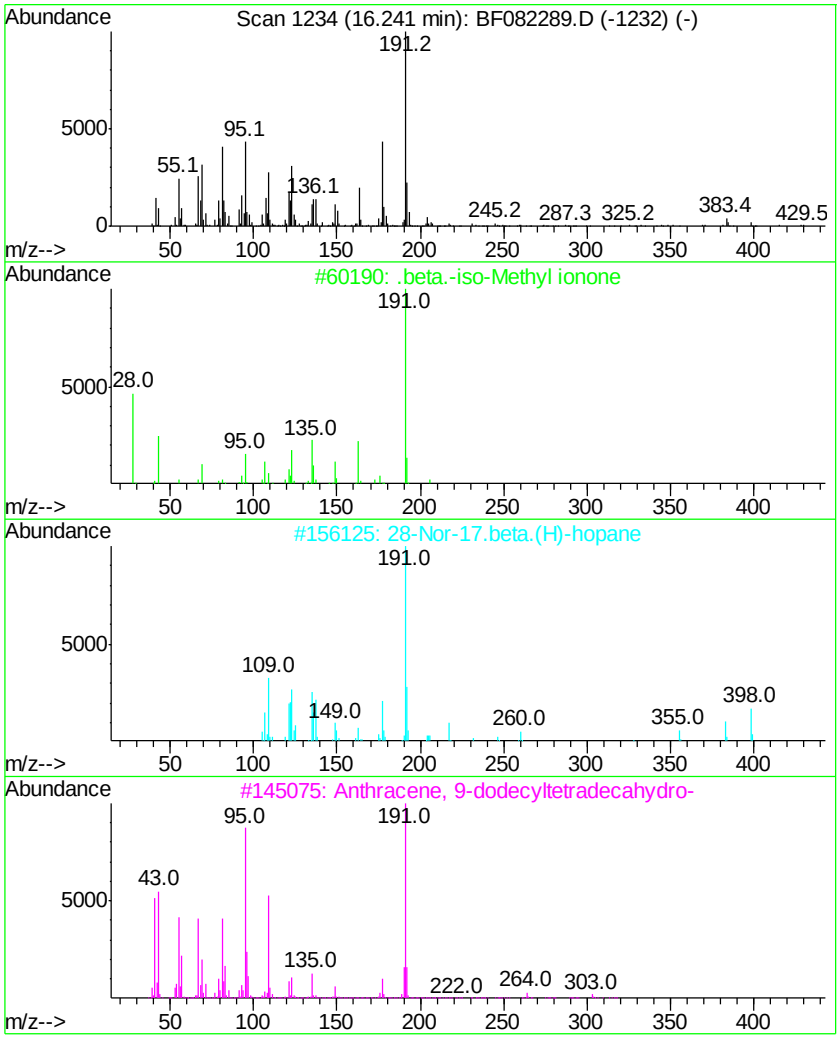
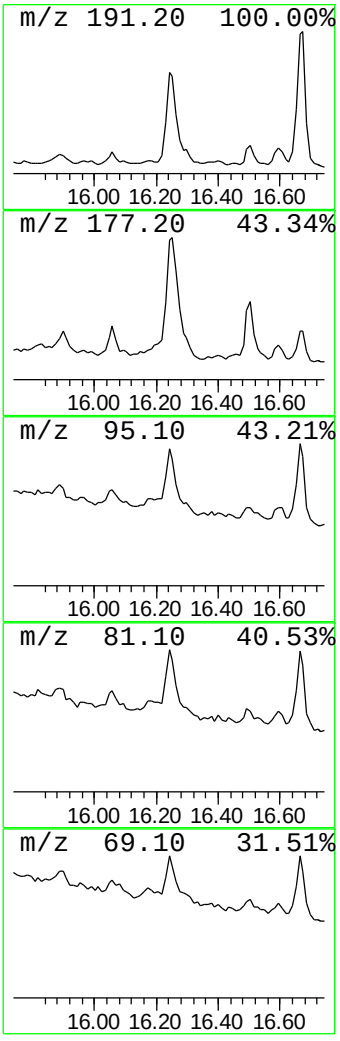
Peak Number 19 unknown16.24 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	50.53 ng	1929170	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	38
3	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
4	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32
5	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	27





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Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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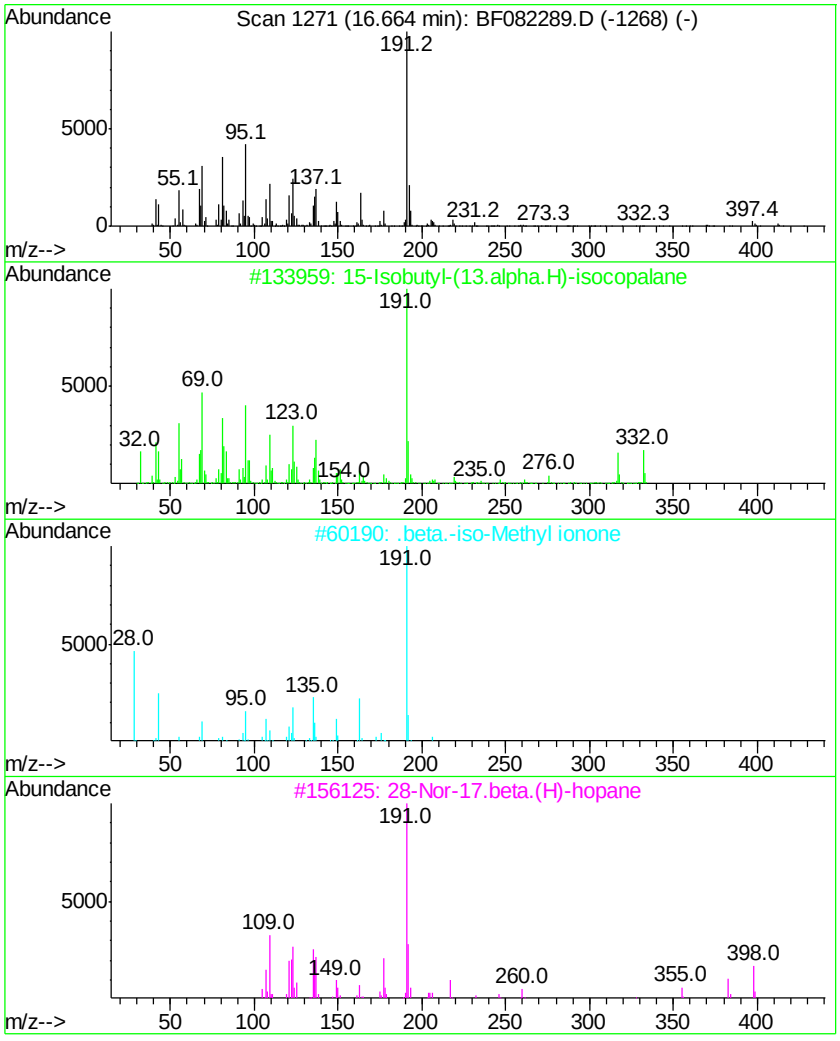
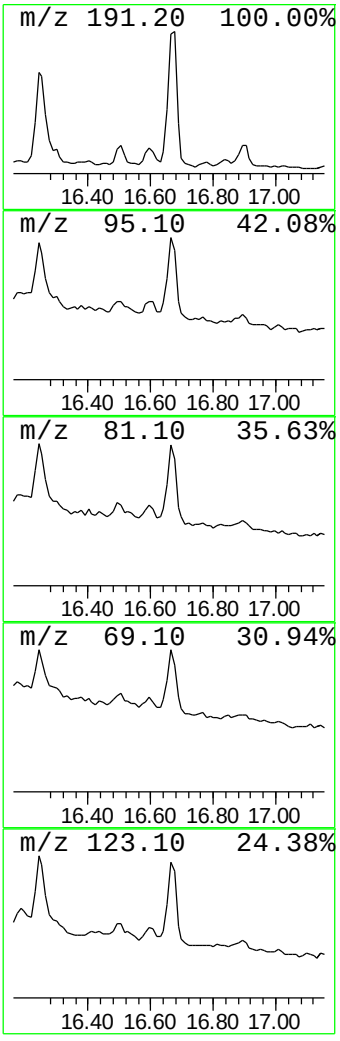
Peak Number 20 15-Isobutyl-(13.alpha.H)-is... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	47.18 ng	1801160	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15-Isobutyl-(13.alpha.H)-isocopa...	332	C24H44	087953-47-7	64
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	58
3	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	56
4	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	53
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101515\
Data File : BF082289.D
Acq On : 14 Oct 2015 20:07
Operator : UM/IZ
Sample : G4016-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CS-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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
4-Penten-2-one, 4...	3.29	6.2	ng	123228	1	6.82	395683	20.0
3-Penten-2-one, 4...	4.34	304.0	ng	6014010	1	6.82	395683	20.0
2-Pentanone, 4-hy...	5.02	195.1	ng	3860740	1	6.82	395683	20.0
unknown6.58	6.58	5.2	ng	102207	1	6.82	395683	20.0
2-Cyclohexen-1-on...	7.14	6.0	ng	118367	1	6.82	395683	20.0
unknown11.81	11.81	2.6	ng	89537	4	11.36	677509	20.0
Eicosane, 2-methyl-	12.34	6.9	ng	232518	4	11.36	677509	20.0
Eicosane	12.45	3.2	ng	107532	4	11.36	677509	20.0
Heptacosane, 1-ch...	12.55	4.1	ng	137542	4	11.36	677509	20.0
Heptadecane, 2,6,...	12.69	8.3	ng	282906	4	11.36	677509	20.0
n-Pentadecylcyclo...	12.80	6.3	ng	153938	5	14.04	488603	20.0
Docosane	13.22	16.2	ng	395282	5	14.04	488603	20.0
Pentadecane, 8-he...	13.32	12.0	ng	292201	5	14.04	488603	20.0
Z-5-Nonadecene	13.40	14.9	ng	364569	5	14.04	488603	20.0
Ethanol, 2-(hexad...	13.88	51.9	ng	1267920	5	14.04	488603	20.0
Tetracosane, 9-oc...	14.33	22.8	ng	556738	5	14.04	488603	20.0
28-Nor-17.alpha.(...	15.69	20.0	ng	763550	6	15.57	763550	20.0
unknown16.24	16.24	50.5	ng	1929170	6	15.57	763550	20.0
15-Isobutyl-(13.a...	16.66	47.2	ng	1801160	6	15.57	763550	20.0