LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

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-BF102116.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	5.023	233	235	250	rBV	811306	1450290	19.80%	2.417%
2	5.446	269	272	274	rBV	5077220	5838654	79.72%	9.731%
3	6.474	359	362	365	rBV	4285084	5634967	76.94%	9.391%
4	6.600	371	373	376	rBV	4588393	6298137	85.99%	10.496%
5	6.829	391	393	404	rBV	924119	1242233	16.96%	2.070%
6	6.989	404	407	410	rBV	4839453	4791908	65.43%	7.986%
7	7.400	440	443	450	rBV	3173010	3823585	52.21%	6.372%
8	7.503	450	452	459	rVB	101189	200497	2.74%	0.334%
9	8.120	503	506	508	rBV	1761083	1662588	22.70%	2.771%
10	9.195	597	600	603	rBV	4872438	7324151	100.00%	12.206%
11	9.595	632	635	637	rBV	1351782	1268438	17.32%	2.114%
12	9.869	657	659	662	rBV	1532061	1607481	21.95%	2.679%
13	10.315	694	698	699	rBV3	65030	115838	1.58%	0.193%
14	10.532	714	717	720	rBV	48133	76740	1.05%	0.128%
15	10.669	726	729	731	rBV2	3092276	3980149	54.34%	6.633%
16	10.784	737	739	744	rVB	160740	214527	2.93%	0.358%
17	11.229	776	778	779	rBV	127659	109699	1.50%	0.183%
18	11.355	787	789	792	rBV	1503230	1463787	19.99%	2.440%
19	11.652	813	815	818	rVB	90322	104967	1.43%	0.175%
20	12.064	849	851	853	rVB	251474	203867	2.78%	0.340%
21	12.452	883	885	887	rBV	407727	355447	4.85%	0.592%
22	12.612	897	899	901	rVB	92780	77836	1.06%	0.130%
23	12.829	916	918	920	rBV	403979	457242	6.24%	0.762%
24	12.944	926	928	931	rBV	4359918	5797264	79.15%	9.662%
25	13.184	946	949	951	rBV	642230	612096	8.36%	1.020%
26	13.401	965	968	969	rBV	57864	102959	1.41%	0.172%
27	13.527	976	979	981	rBV	520001	577232	7.88%	0.962%
28	13.847	1005	1007	1010	rBV	436343	581467	7.94%	0.969%
29	13.995	1017	1020	1024	rBV	1116724	1240759	16.94%	2.068%
30	14.167	1033	1035	1037	rBV	447170	400620	5.47%	0.668%
31	14.475	1059	1062	1064	rBV	352276	369102	5.04%	0.615%
32	14.772	1085	1088	1091	rBV	262528	271076	3.70%	0.452%
33	14.841	1092	1094	1097	rVB	202560	211934	2.89%	0.353%
34	15.092	1114	1116	1119	rBV	178863	238359	3.25%	0.397%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

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-BF102116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.424	1142	1145	1147	rBV	797483	988821	13.50%	1.648%
36	15.870	1182	1184	1187	rBV	65670	108984	1.49%	0.182%
37	16.098	1201	1204	1208	rVB5	31507	77293	1.06%	0.129%
38	16.350	1223	1226	1233	rVB2	50706	121529	1.66%	0.203%

Sum of corrected areas: 60002523

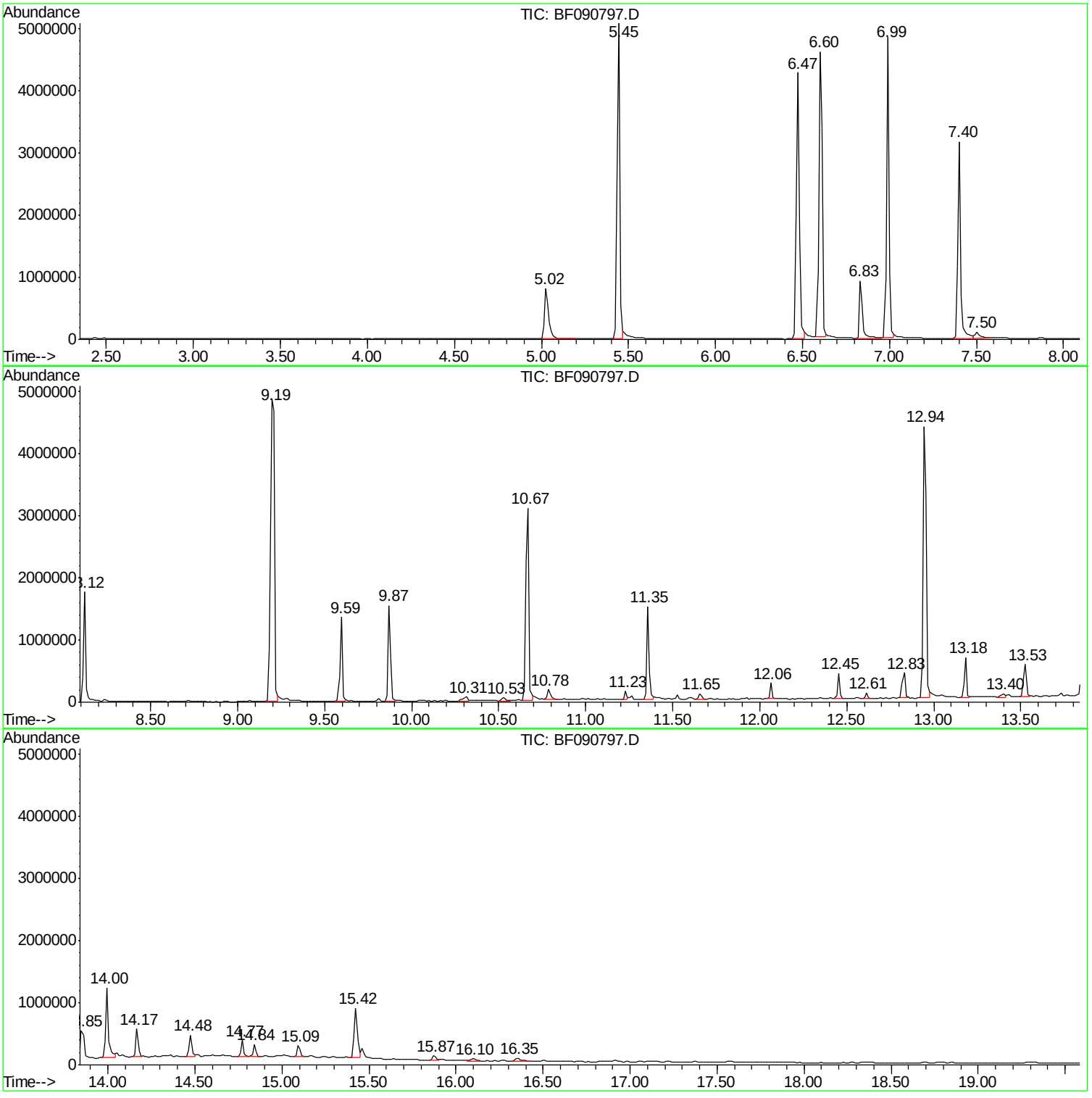
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

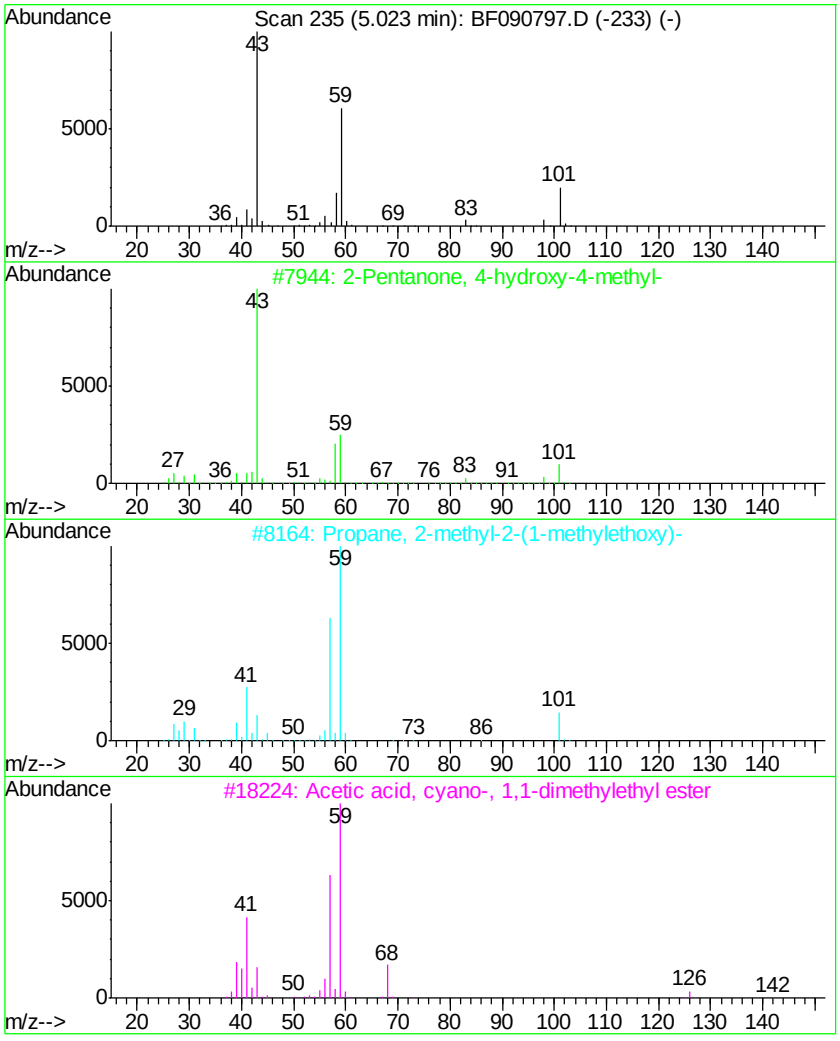
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

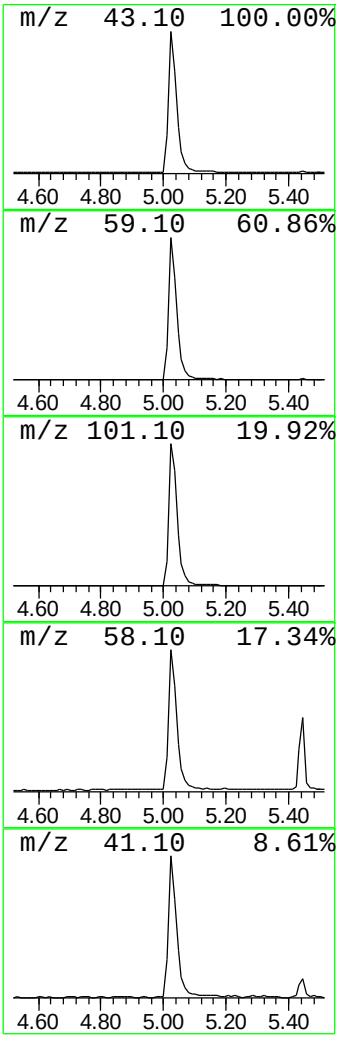
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	23.35 ng	1450290	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

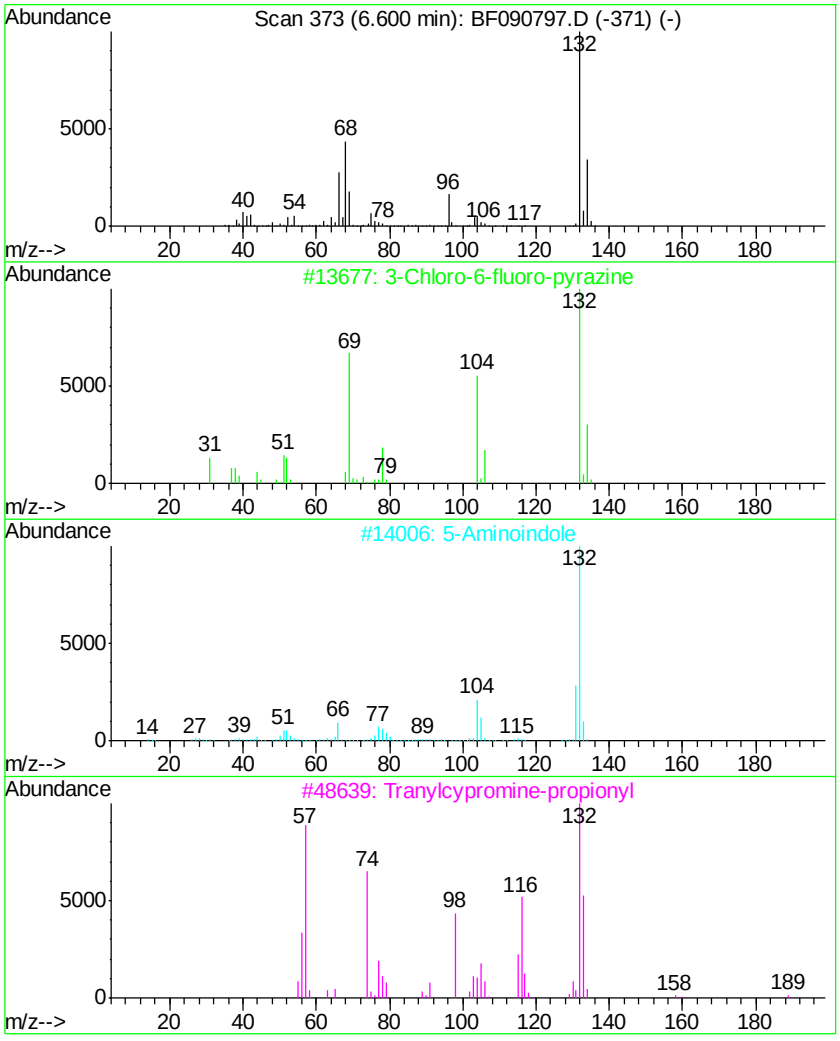
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

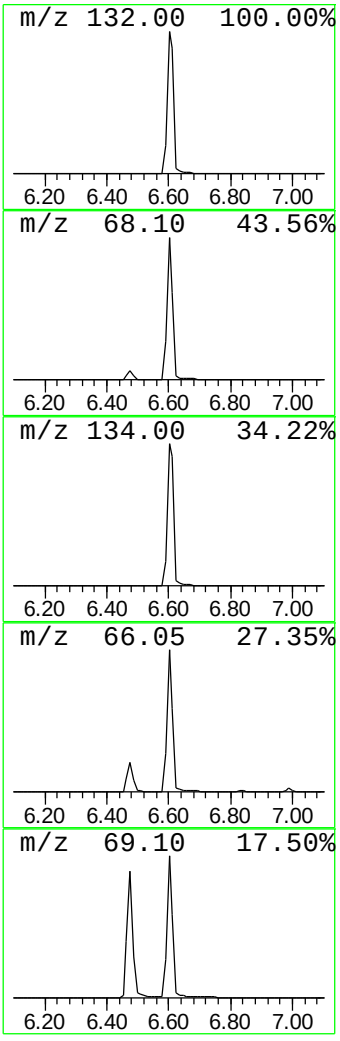
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	101.40 ng	6298140	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

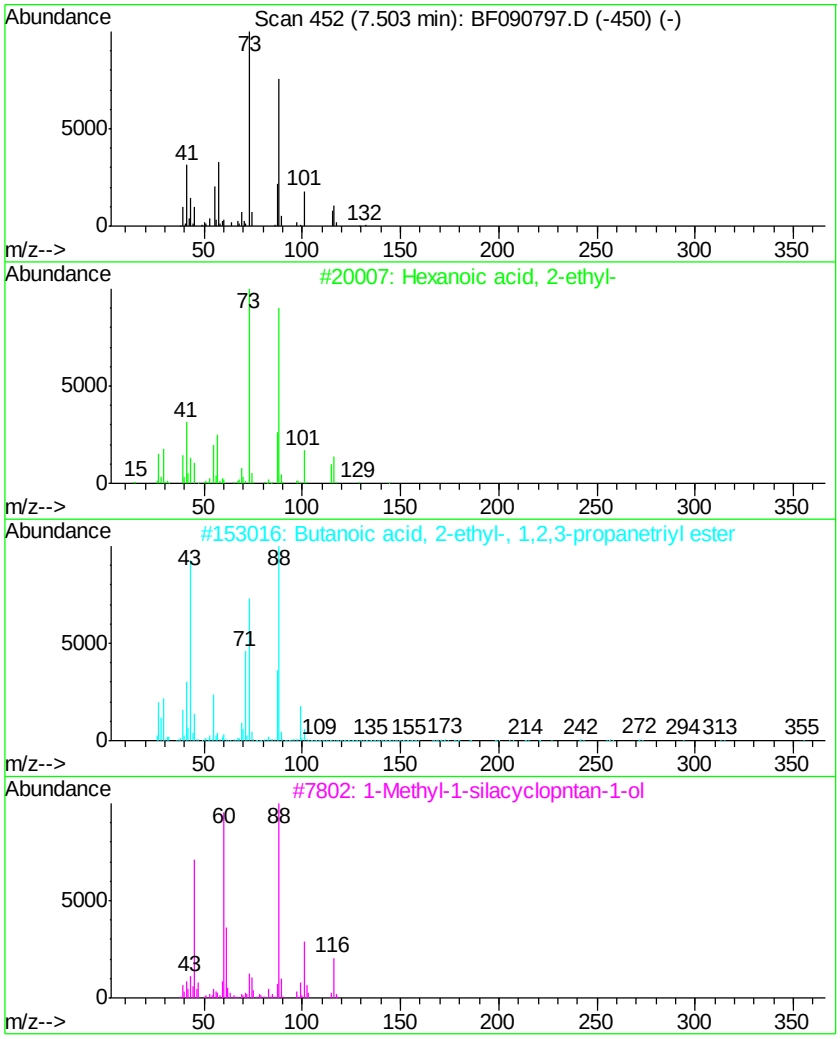
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

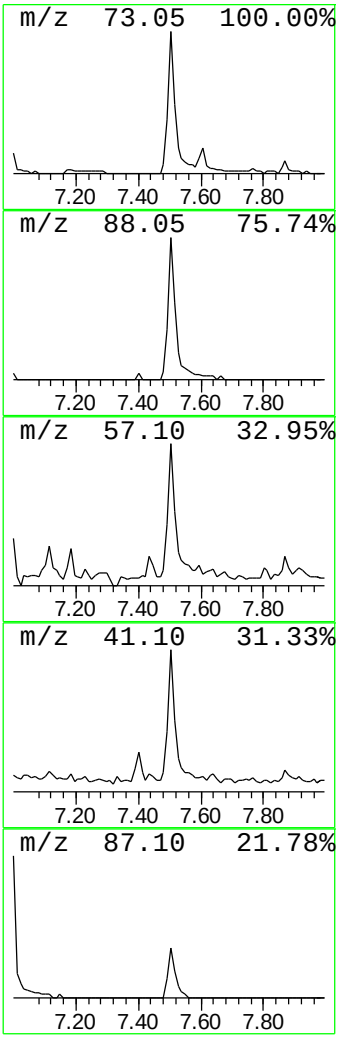
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	2.41 ng	200497	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
3	1-Methyl-1-silacyclopntan-1-ol	116	C5H12OSi	1000216-84-4	42
4	Methyl 4-O-acetyl-2,3-di-O-methy...	248	C11H20O6	072945-56-3	38
5	1,4-Dioxane	88	C4H8O2	000123-91-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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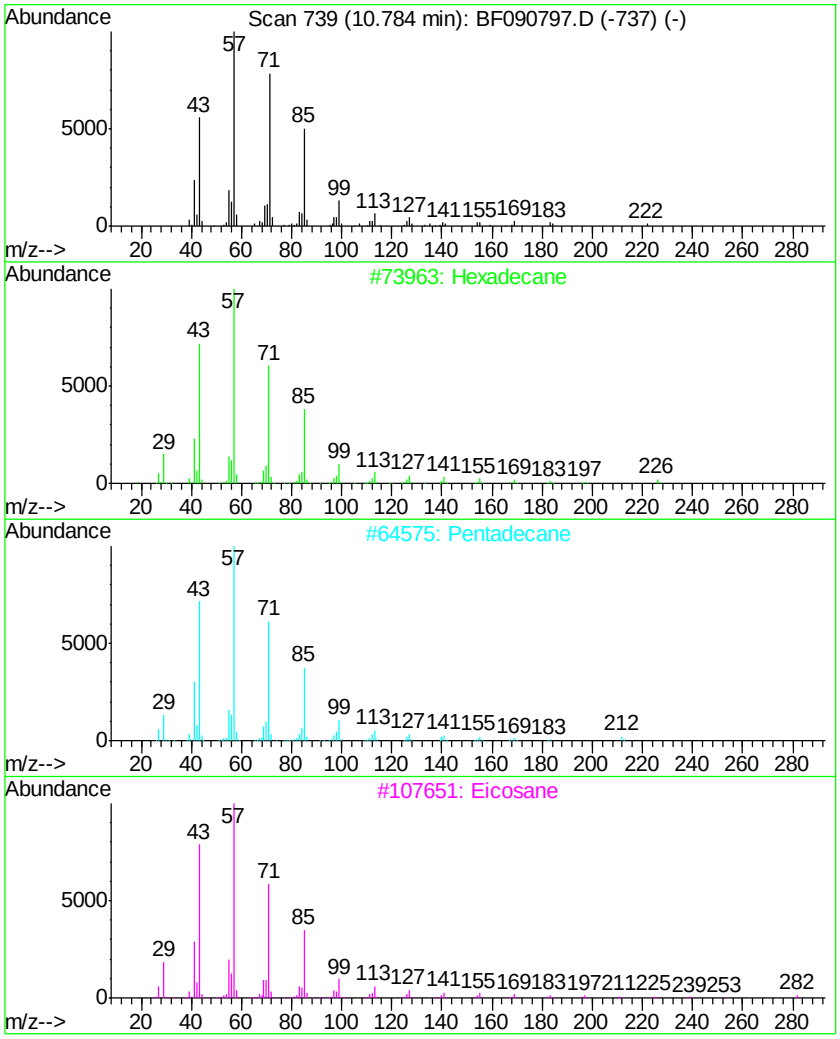
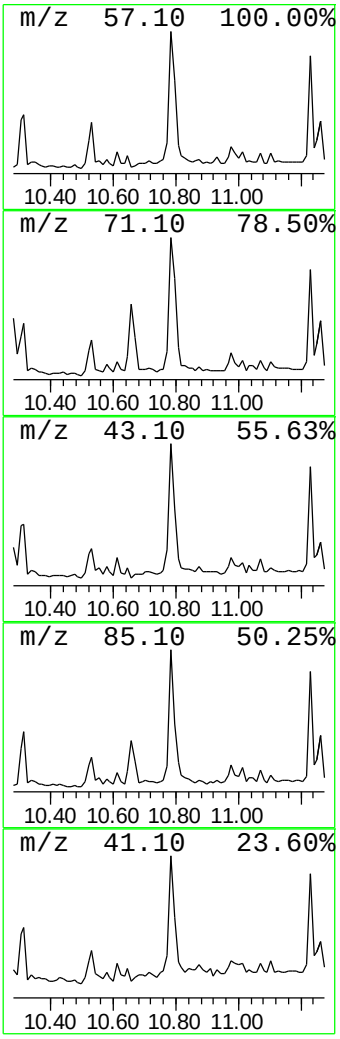
Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.93 ng	214527	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
5	Heptadecane	240	C17H36	000629-78-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

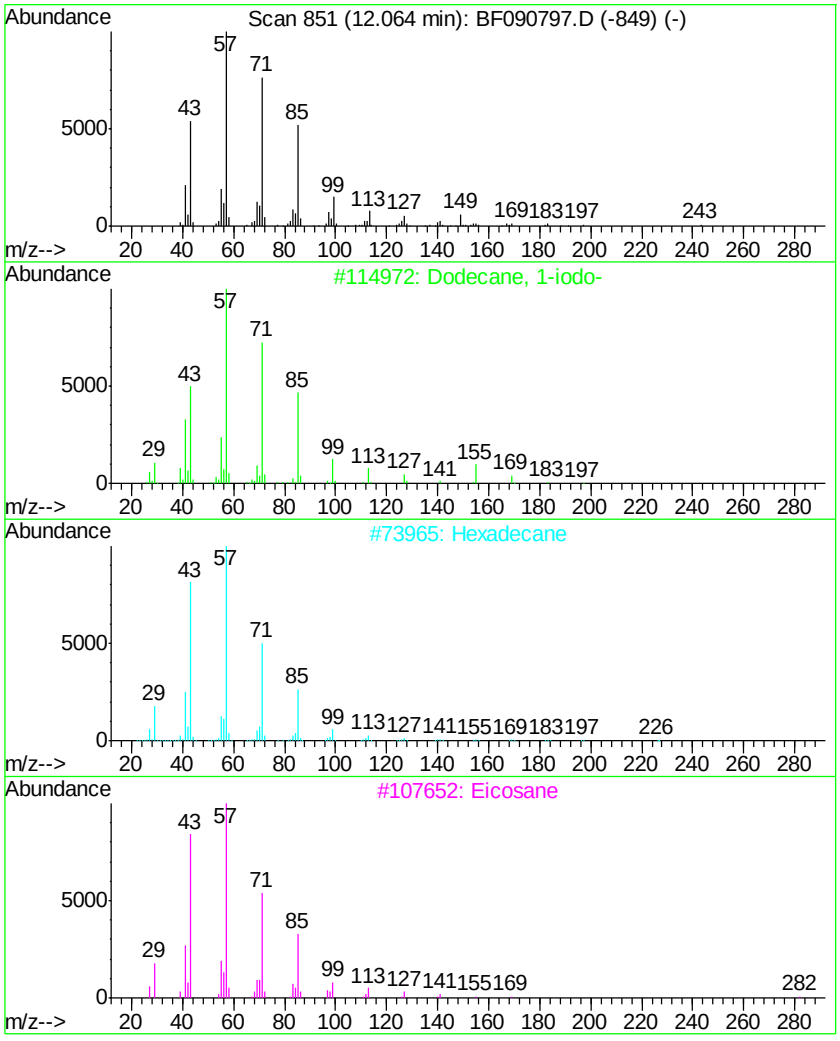
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

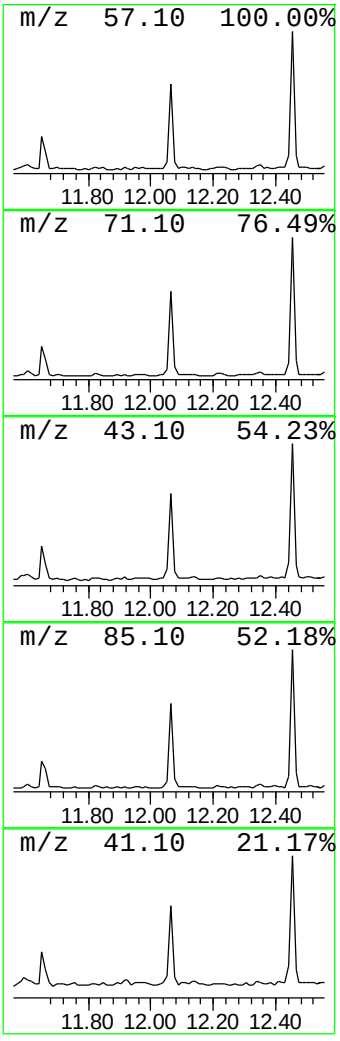
****

Peak Number 6 Dodecane, 1-iodo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	2.79 ng	203867	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Eicosane	282	C20H42	000112-95-8	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	Undecane, 3-ethyl-	184	C13H28	017312-58-2	78





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Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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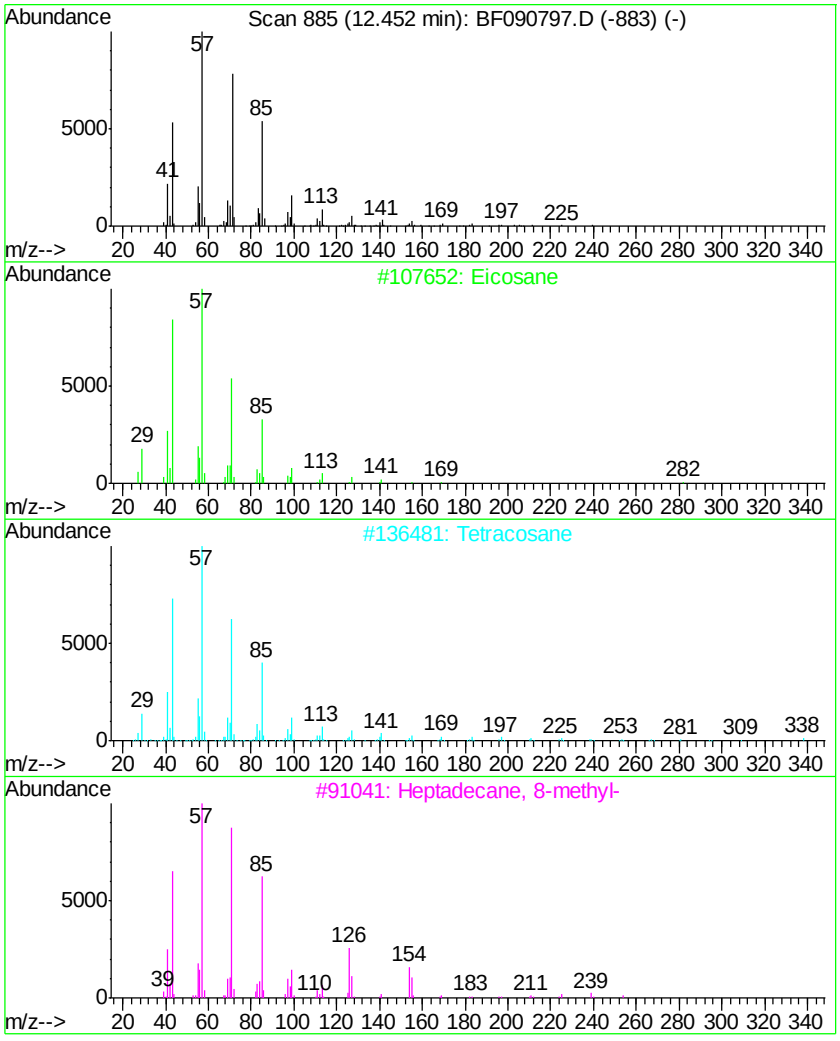
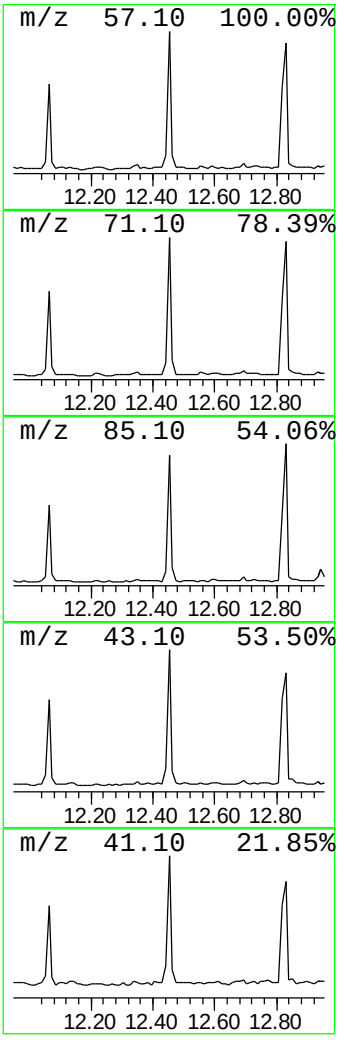
Peak Number 7 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.86 ng	355447	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetracosane	338	C24H50	000646-31-1	90
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heptacosane	380	C27H56	000593-49-7	83





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Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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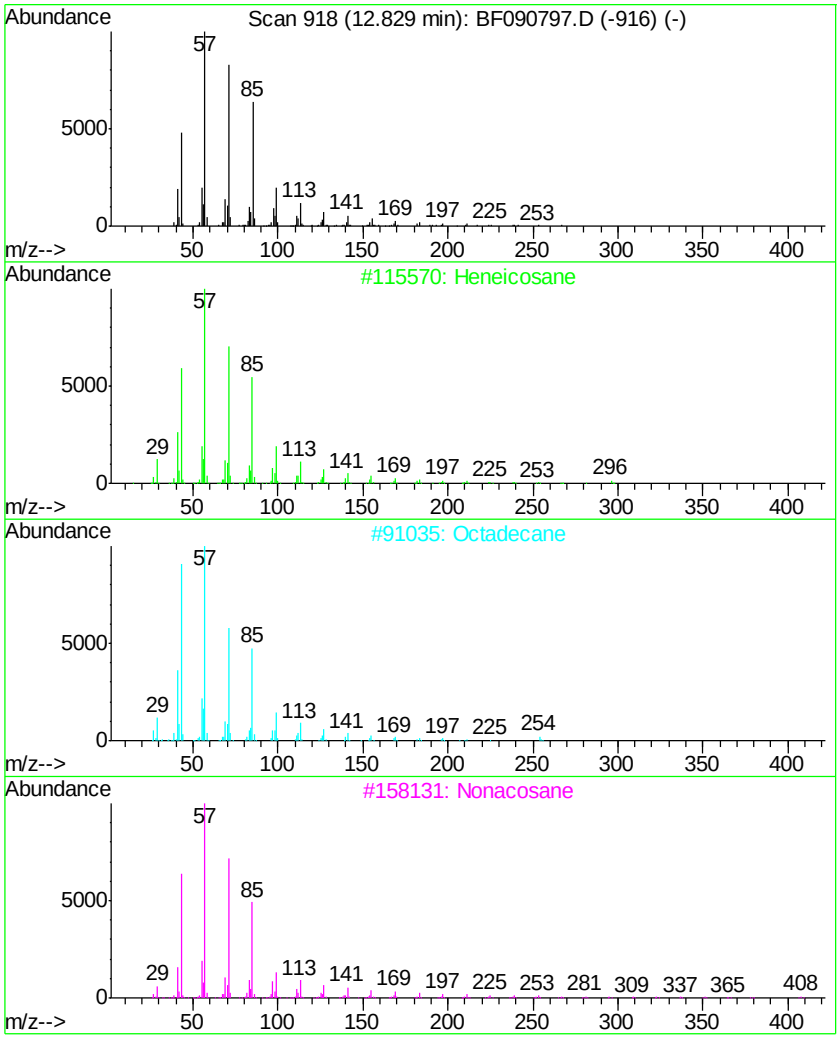
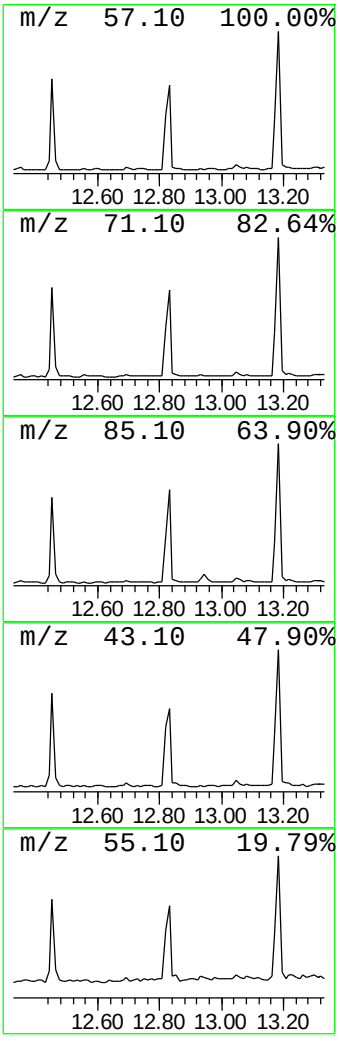
Peak Number 8 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	7.37 ng	457242	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Nonacosane	408	C29H60	000630-03-5	90
4	Octacosane	394	C28H58	000630-02-4	87
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

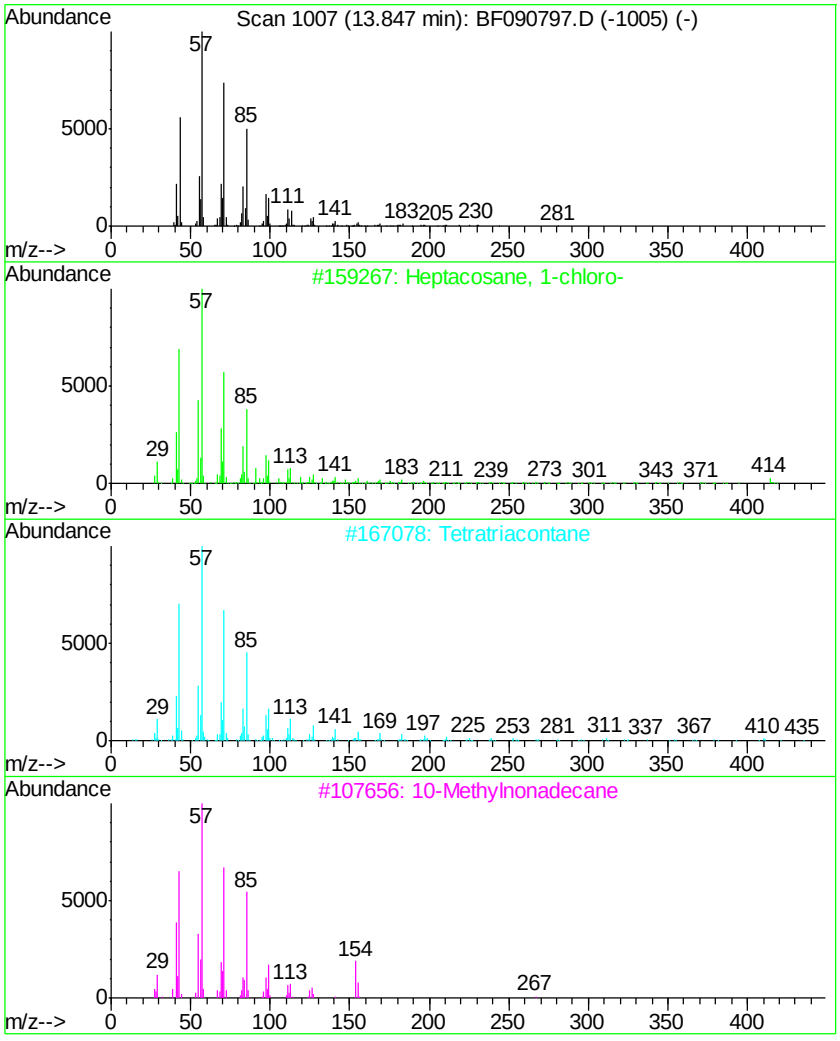
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

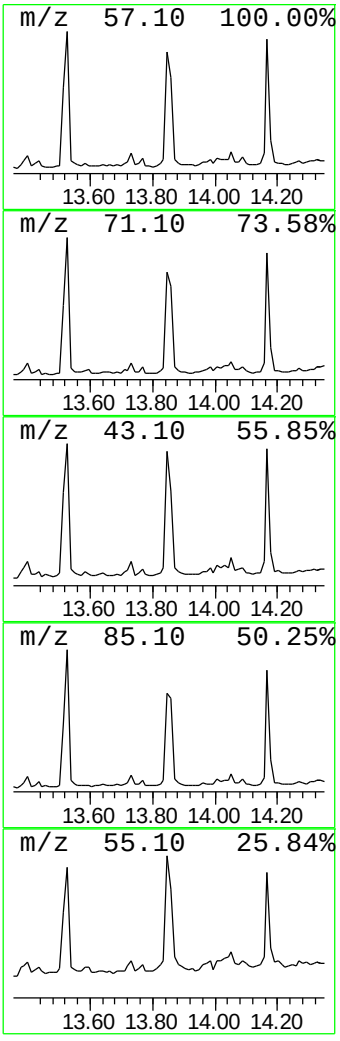
****

Peak Number 11 Heptacosane, 1-chloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	9.37 ng	581467	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	90
2	Tetratriacontane	479	C34H70	014167-59-0	86
3	10-Methylnonadecane	282	C20H42	056862-62-5	86
4	Nonadecane	268	C19H40	000629-92-5	83
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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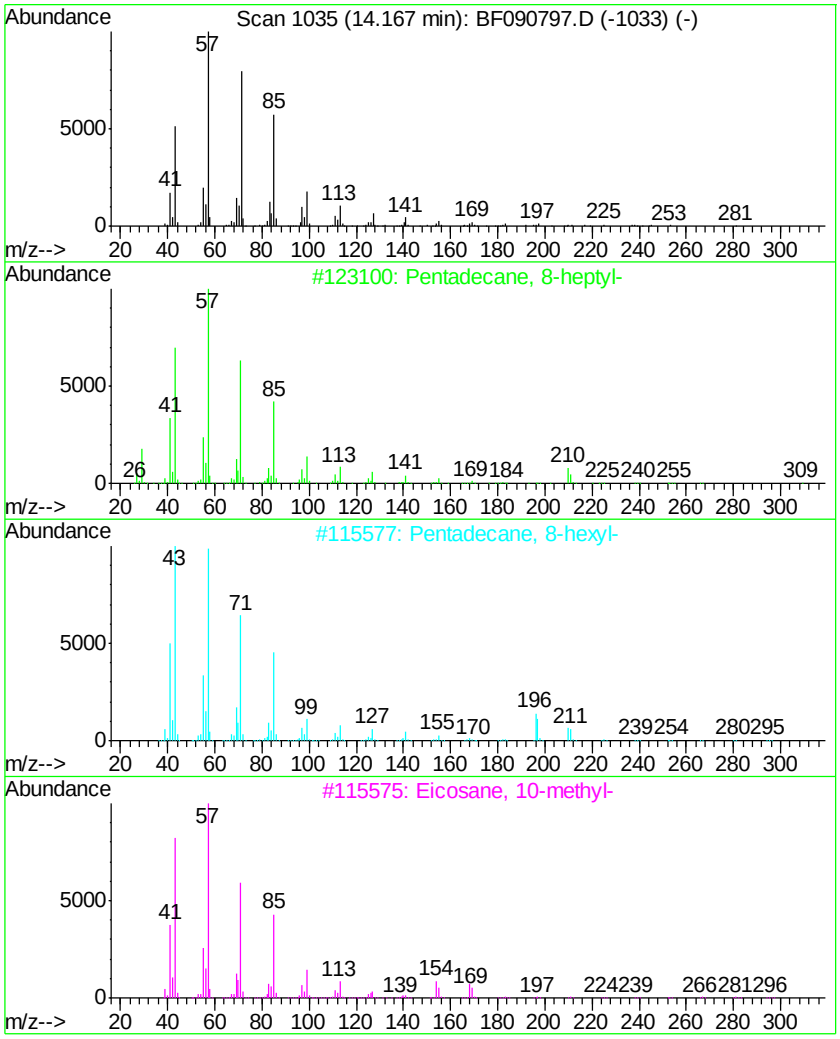
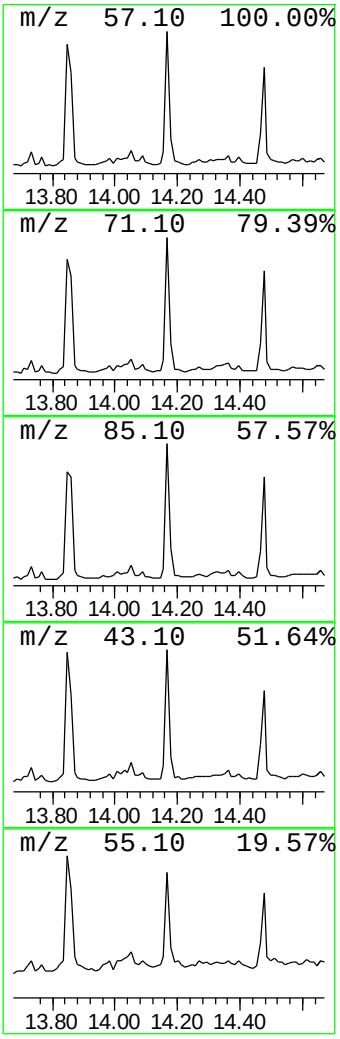
Peak Number 12 Pentadecane, 8-heptyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	6.46 ng	400620	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
4	Pentacosane	352	C25H52	000629-99-2	86
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	86





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Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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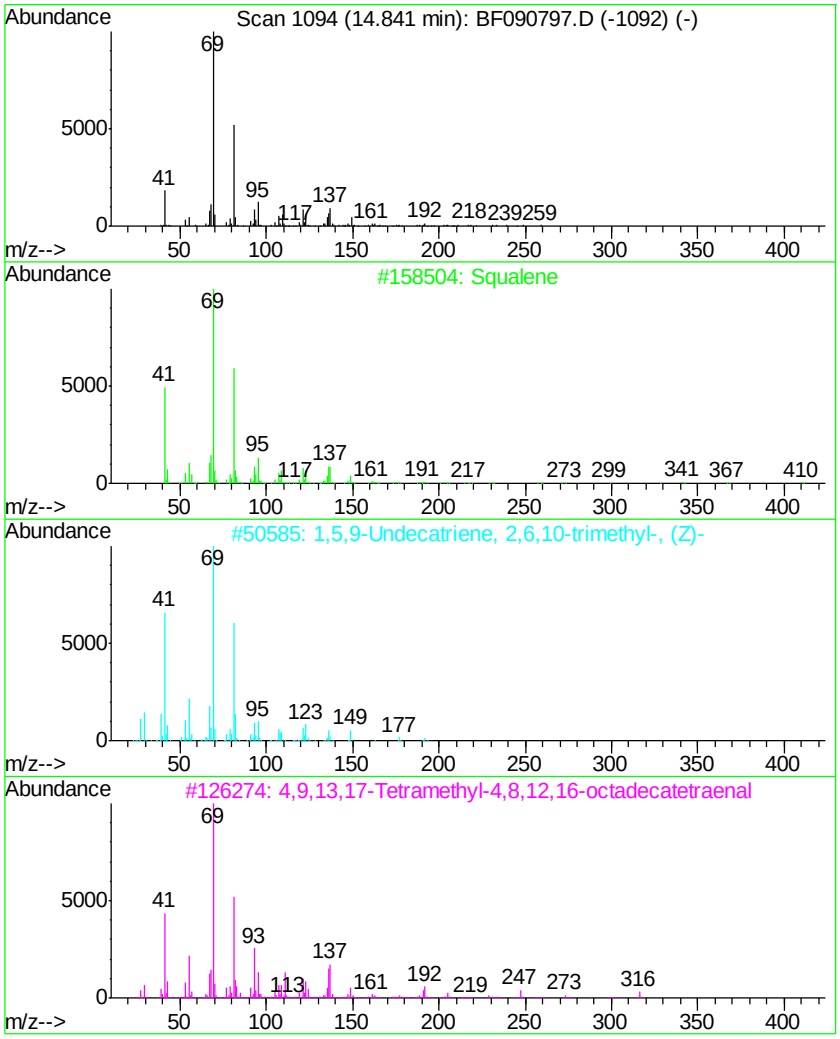
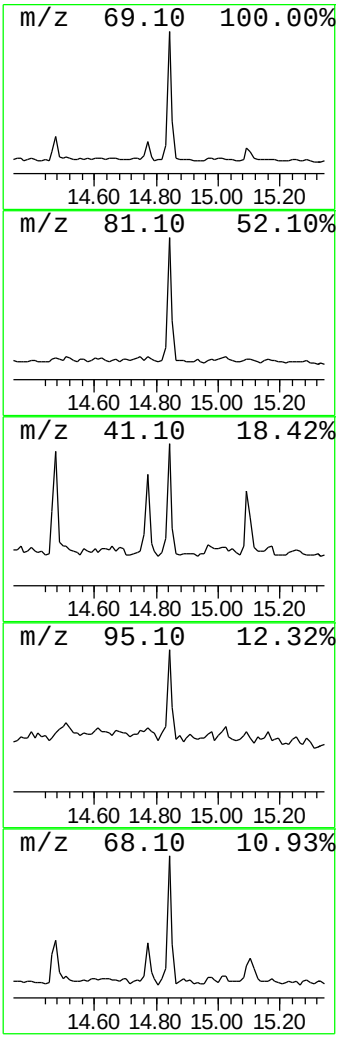
Peak Number 15 Squalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	4.29 ng	211934	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
4	2,6,10-Dodecatriene, 3(E),7(E),1...	236	C16H28O	1000159-57-9	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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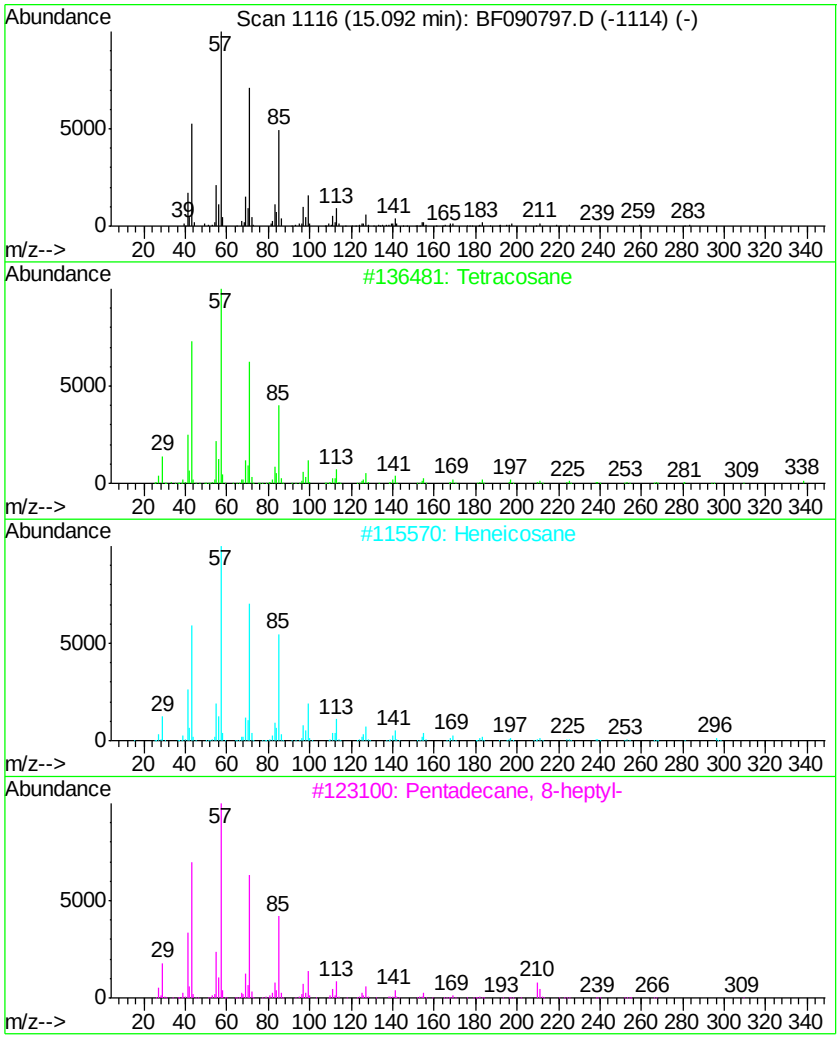
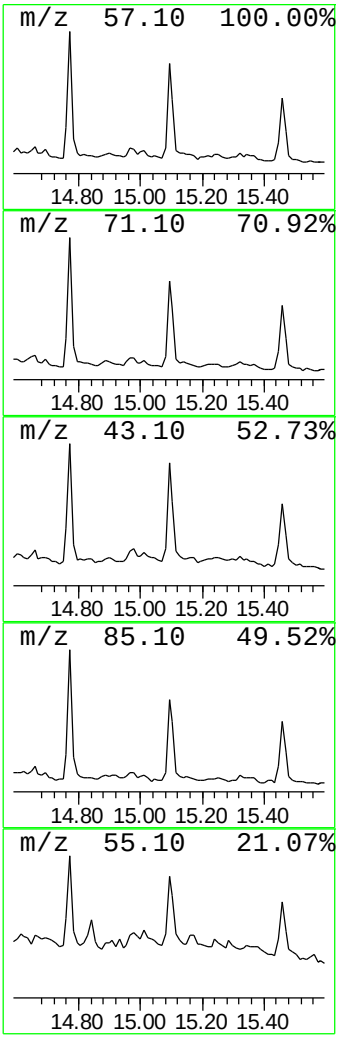
Peak Number 16 Tetracosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	4.82 ng	238359	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Heptacosane	380	C27H56	000593-49-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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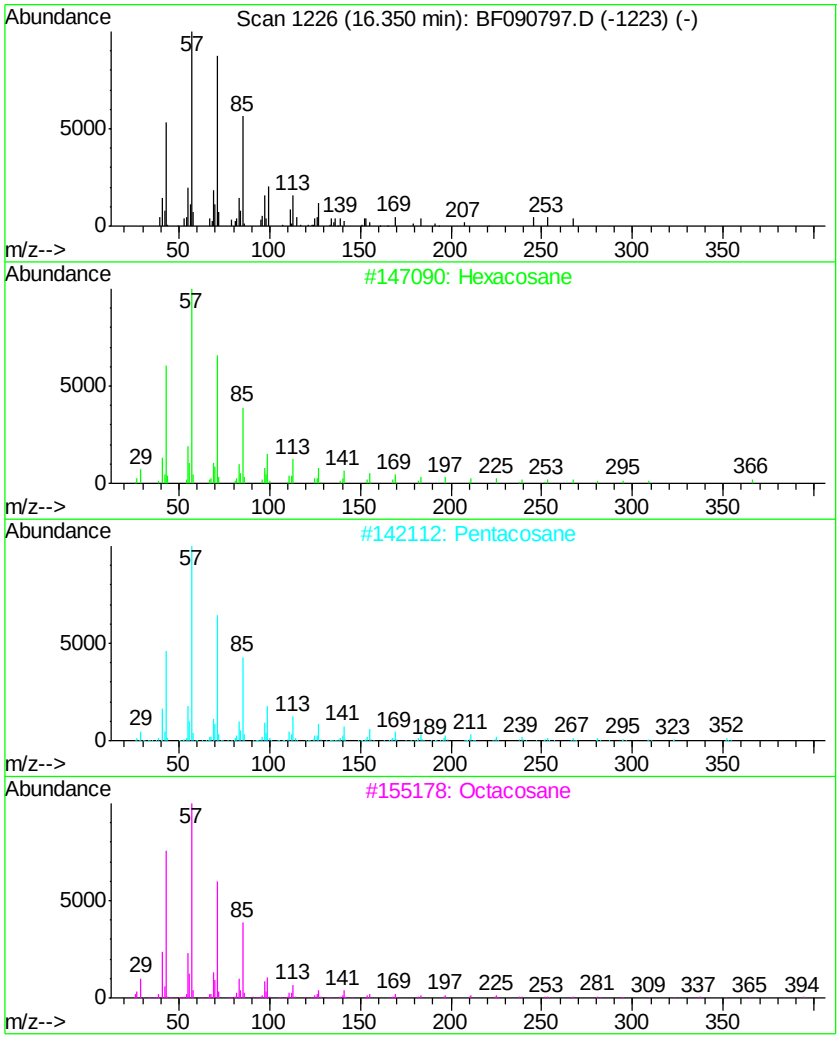
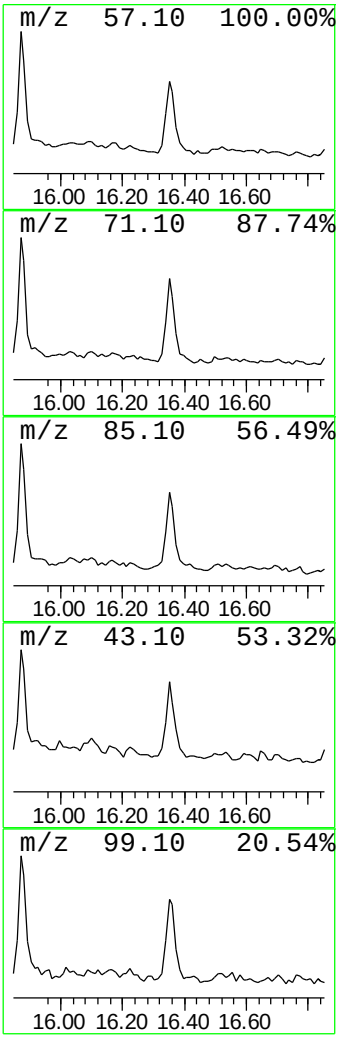
Peak Number 18 Hexacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	2.46 ng	121529	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Pentacosane	352	C25H52	000629-99-2	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Tetratriacontane	479	C34H70	014167-59-0	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102416\
Data File : BF090797.D
Acq On : 24 Oct 2016 19:41
Operator : UM/SJ
Sample : H5393-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BOTTOM-WEST-UL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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
2-Pentanone, 4-hy...	5.02	23.4	ng	1450290	1	6.83	1242230	20.0
unknown6.60	6.60	101.4	ng	6298140	1	6.83	1242230	20.0
Hexanoic acid, 2-...	7.50	2.4	ng	200497	2	8.12	1662590	20.0
Hexadecane	10.78	2.9	ng	214527	4	11.36	1463790	20.0
Dodecane, 1-iodo-	12.06	2.8	ng	203867	4	11.36	1463790	20.0
Eicosane	12.45	4.9	ng	355447	4	11.36	1463790	20.0
Heneicosane	12.83	7.4	ng	457242	5	14.00	1240760	20.0
Heptacosane, 1-ch...	13.85	9.4	ng	581467	5	14.00	1240760	20.0
Pentadecane, 8-he...	14.17	6.5	ng	400620	5	14.00	1240760	20.0
Squalene	14.84	4.3	ng	211934	6	15.42	988821	20.0
Tetracosane	15.09	4.8	ng	238359	6	15.42	988821	20.0
Hexacosane	16.35	2.5	ng	121529	6	15.42	988821	20.0