LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

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-BF113015.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	3.904	192	194	203	rBV	46336	120076	2.24%	0.256%
2	4.658	258	260	274	rBV	815256	1428124	26.60%	3.047%
3	5.138	299	302	318	rBV	4266018	4700114	87.55%	10.027%
4	6.224	394	397	399	rBV	3421200	5067784	94.39%	10.811%
5	6.327	403	406	408	rBV	3702594	4728057	88.07%	10.086%
6	6.544	423	425	428	rBV	941495	975574	18.17%	2.081%
7	6.704	437	439	442	rBV	3533646	3140080	58.49%	6.699%
8	7.116	473	475	478	rBV	2370676	3049046	56.79%	6.504%
9	7.264	486	488	495	rVB	90291	144906	2.70%	0.309%
10	7.836	536	538	547	rVB	1399915	1291873	24.06%	2.756%
11	8.922	630	633	635	rBV	4572226	5368702	100.00%	11.453%
12	9.322	666	668	670	rBV	1117410	1015453	18.91%	2.166%
13	9.539	685	687	689	rBV	101392	101738	1.90%	0.217%
14	9.585	689	691	693	rBV	1419635	1418501	26.42%	3.026%
15	9.790	706	709	711	rBV3	34675	68923	1.28%	0.147%
16	10.042	729	731	733	rVB	183005	157073	2.93%	0.335%
17	10.259	747	750	751	rBV	80842	104135	1.94%	0.222%
18	10.373	757	760	762	rBV	3074545	3153427	58.74%	6.727%
19	10.522	771	773	777	rVB	175288	267867	4.99%	0.571%
20	11.013	814	816	818	rBV	118841	125216	2.33%	0.267%
21	11.128	823	826	827	rBV	1056259	1511174	28.15%	3.224%
22	11.219	830	834	837	rVB3	54860	115023	2.14%	0.245%
23	11.528	858	861	864	rVB	45102	75232	1.40%	0.160%
24	11.768	881	882	885	rVB	64874	75225	1.40%	0.160%
25	11.825	885	887	889	rBV	192047	252268	4.70%	0.538%
26	12.156	914	916	920	rVB2	36267	79980	1.49%	0.171%
27	12.465	940	943	945	rBV2	62780	94861	1.77%	0.202%
28	12.659	957	960	963	rBV	249764	306346	5.71%	0.654%
29	12.899	979	981	983	rBV	54025	76256	1.42%	0.163%
30	12.968	983	987	989	rVB2	236234	353834	6.59%	0.755%
31	13.219	1006	1009	1012	rBV	3687471	4892238	91.13%	10.436%
32	14.671	1133	1136	1140	rBV2	56055	153386	2.86%	0.327%
33	14.751	1140	1143	1145	rVV	797494	1366771	25.46%	2.916%
34	14.785	1145	1146	1150	rVB	96695	121345	2.26%	0.259%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

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-BF113015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.305	1276	1279	1281	rBV	57225	100722	1.88%	0.215%
36	16.808	1321	1323	1330	rBV	514877	875161	16.30%	1.867%

Sum of corrected areas: 46876491

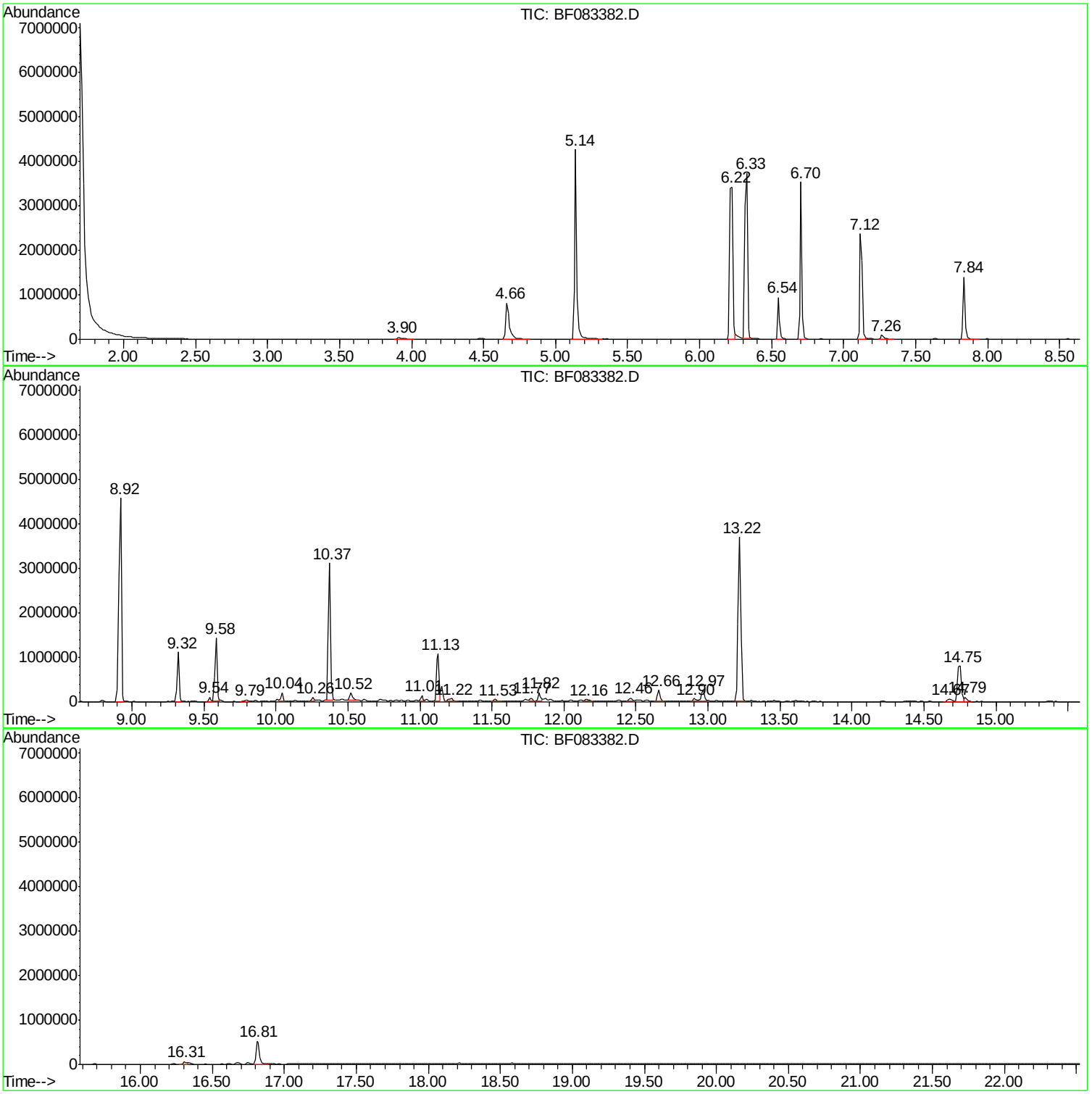
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

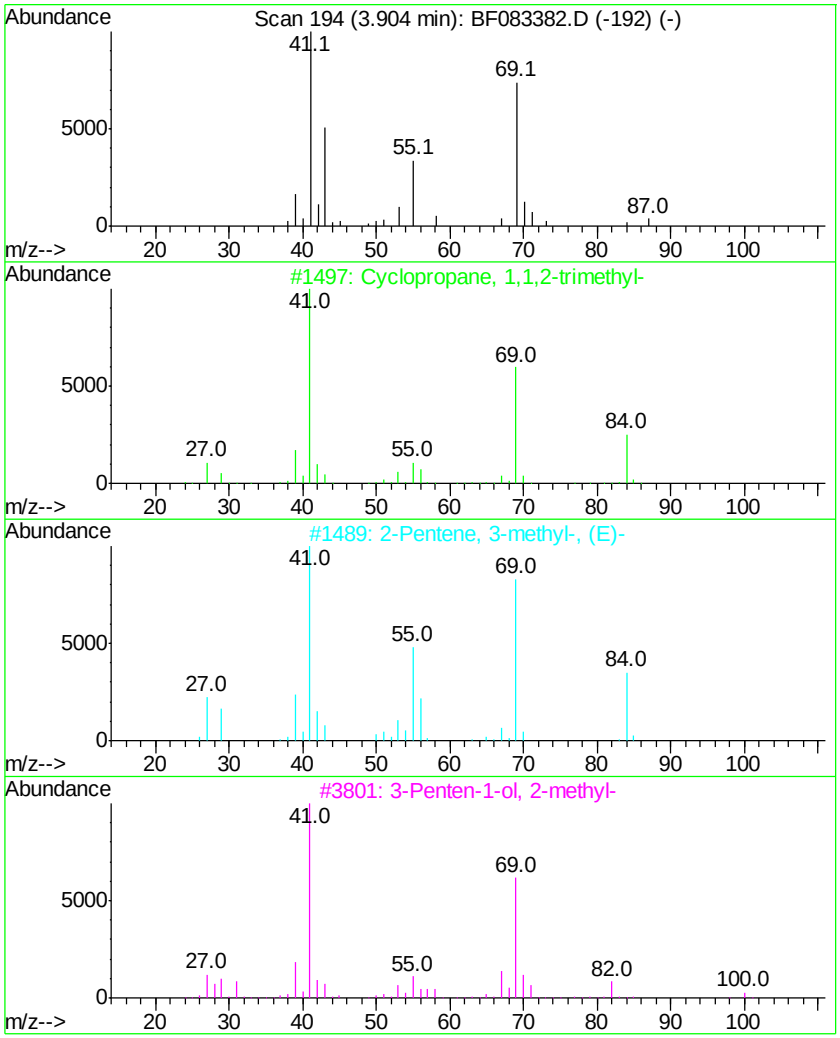
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

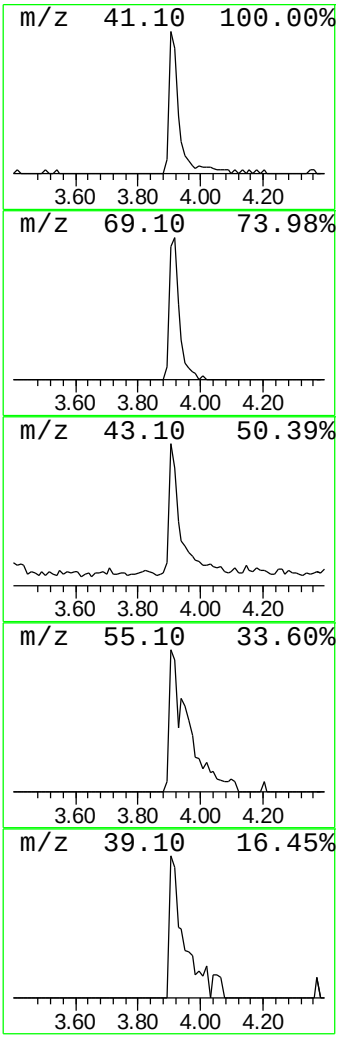
****

Peak Number 1 Cyclopropane, 1,1,2-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	2.46 ng	120076	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	72
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	45
3	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	43
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	40
5	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

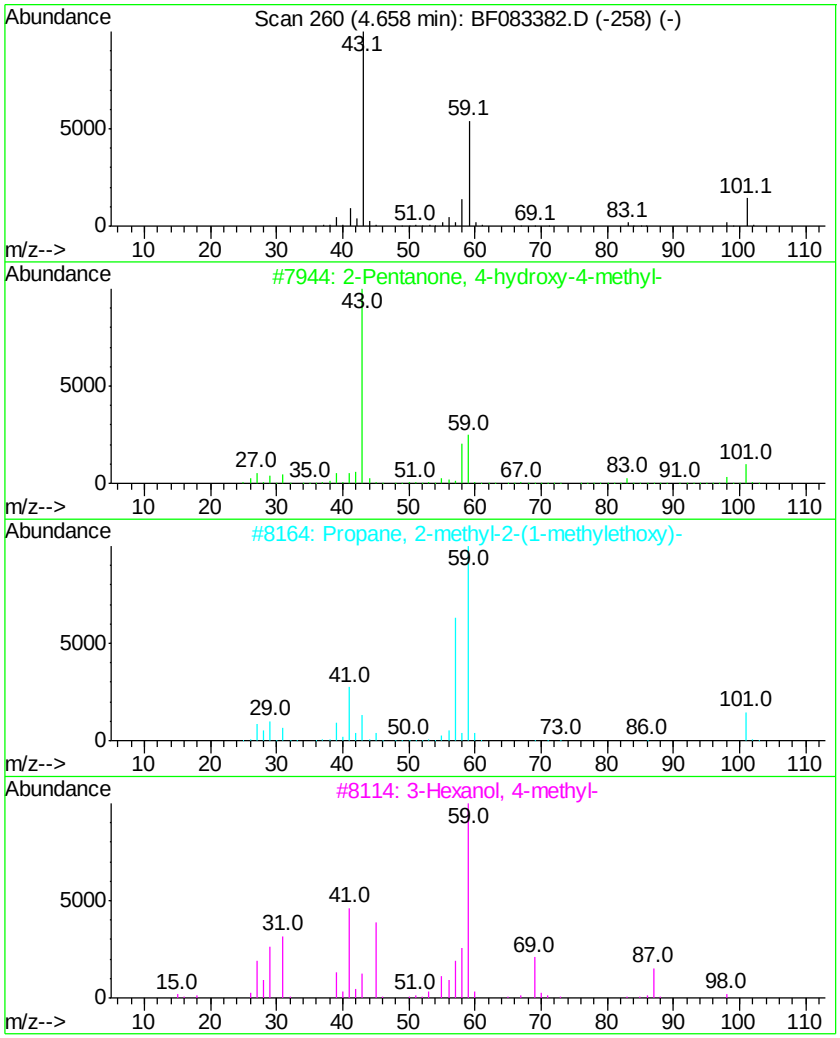
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

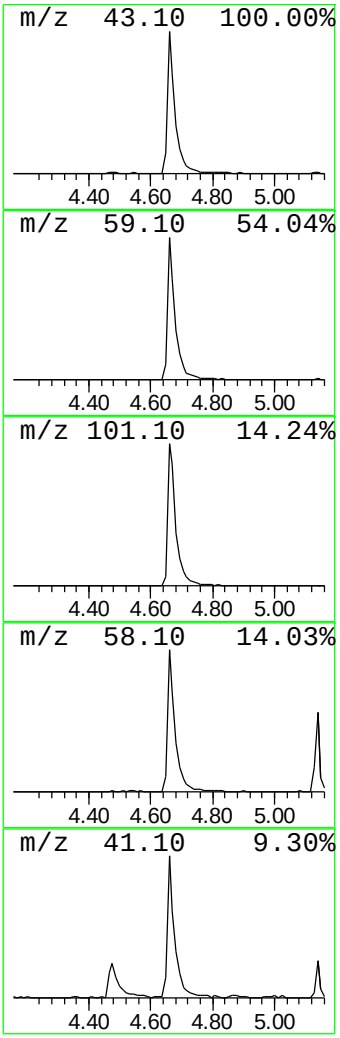
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.66	29.28 ng	1428120	1,4-Dichlorobenzene-d4	6.54

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	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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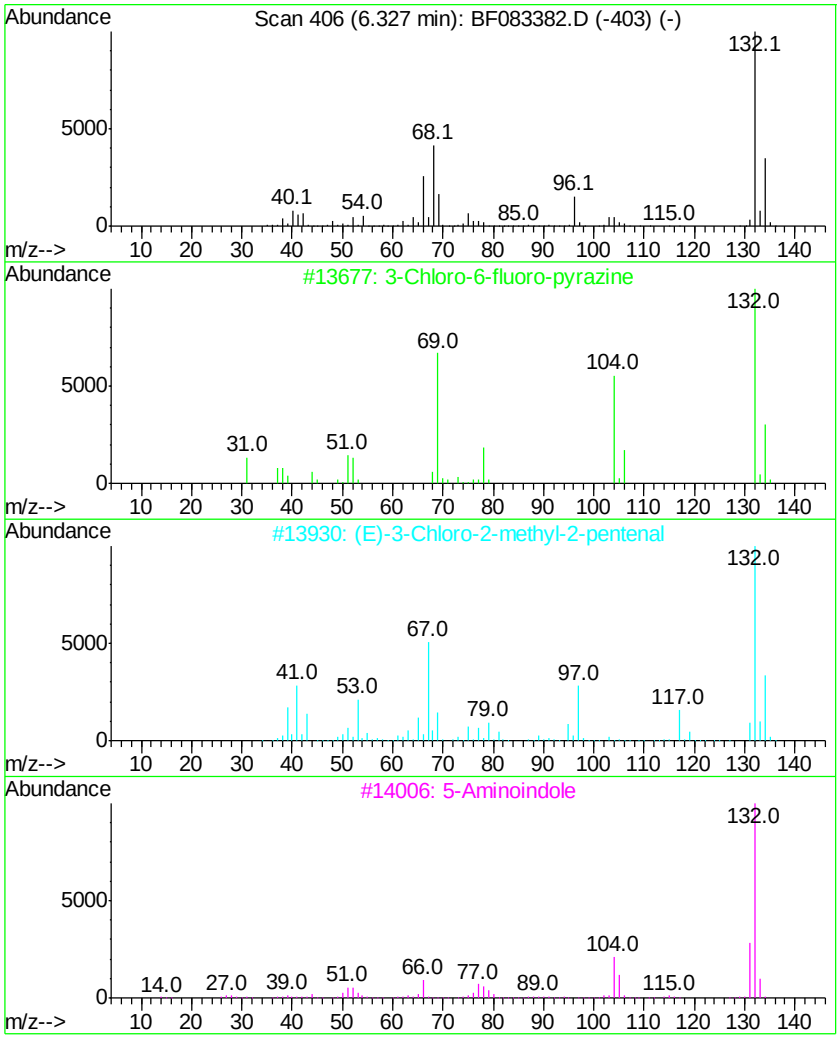
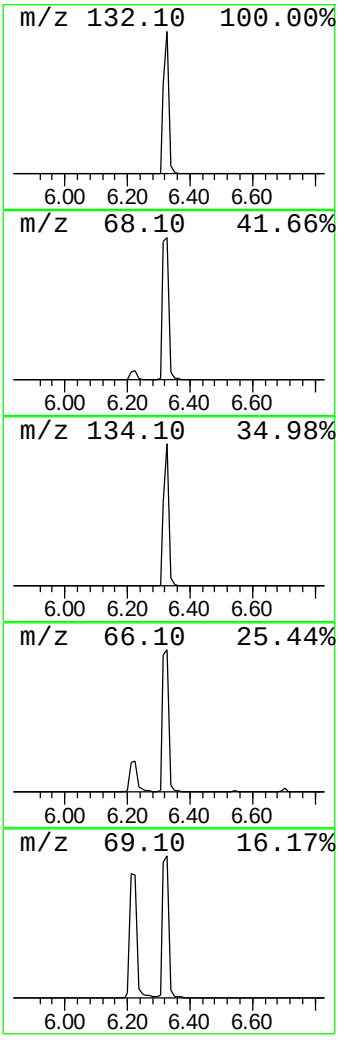
Peak Number 3 unknown6.33 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	96.93 ng	4728060	1,4-Dichlorobenzene-d4	6.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	9
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

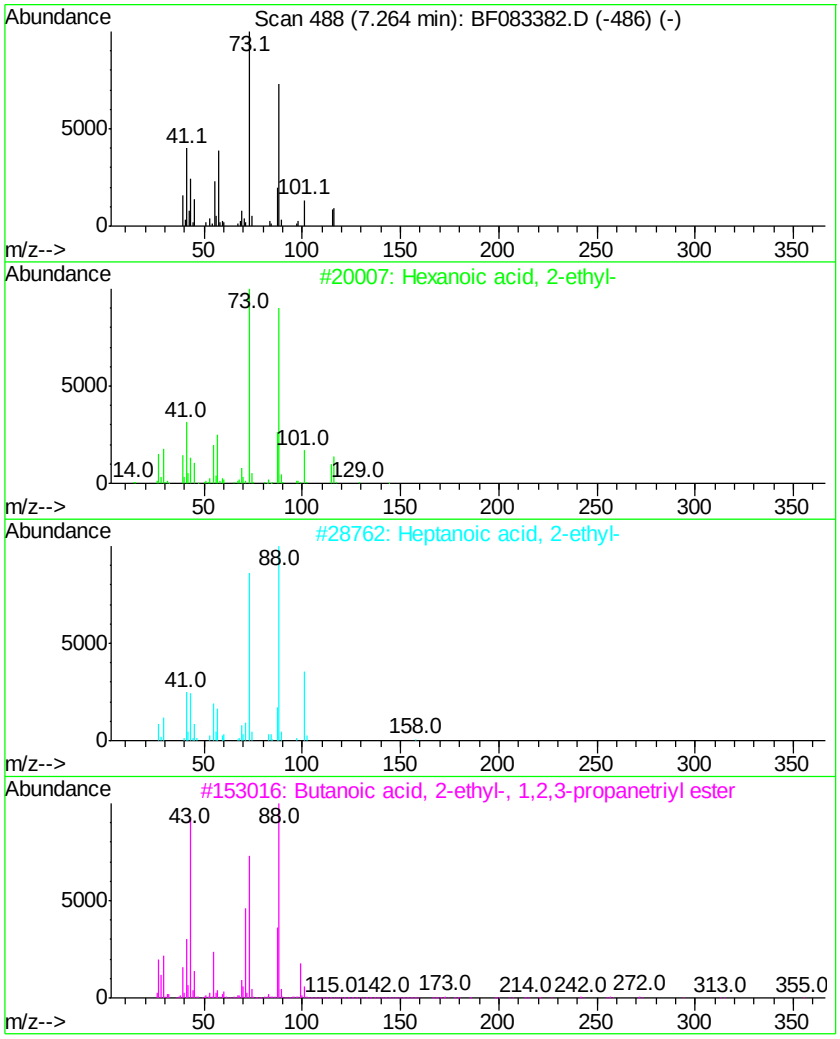
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

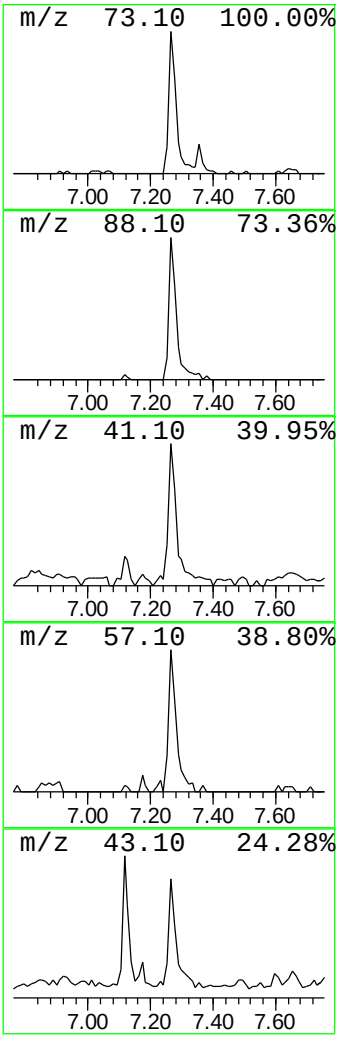
****

Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	2.24 ng	144906	Naphthalene-d8	7.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	72
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	53
4	1,4-Dioxane	88	C4H8O2	000123-91-1	47
5	Methyl 4-O-acetyl-2,3-di-O-methy...	248	C11H20O6	072945-56-3	36





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Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

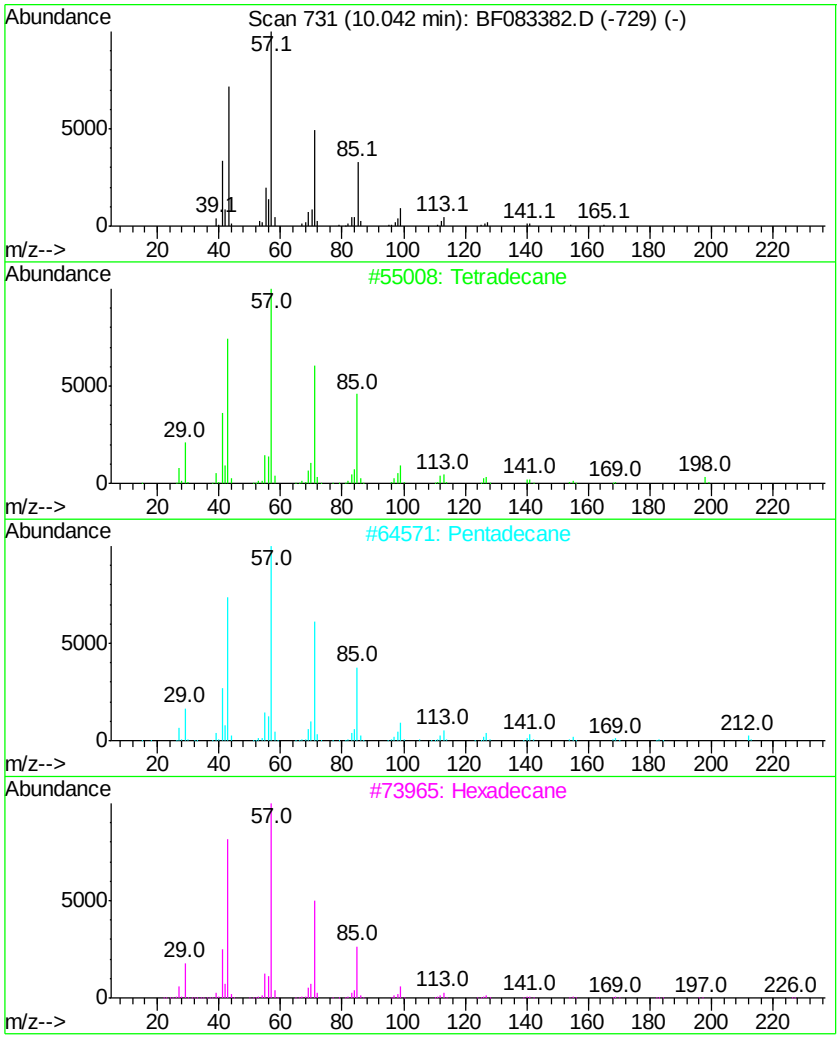
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

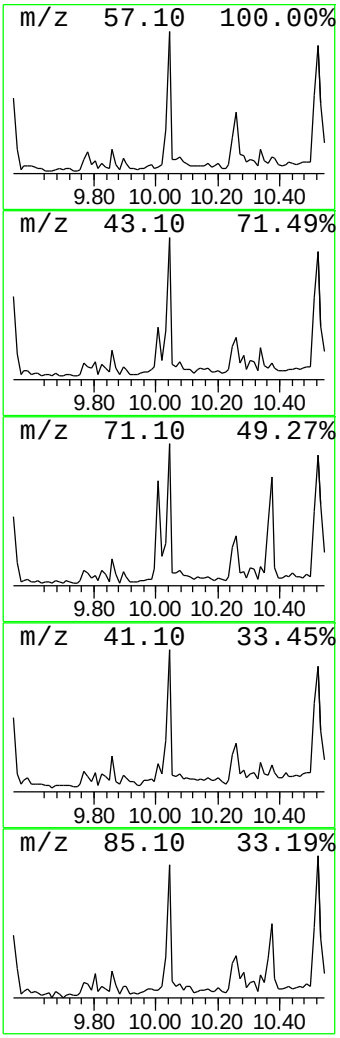
****

Peak Number 6 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	2.21 ng	157073	Acenaphthene-d10	9.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	Eicosane	282	C20H42	000112-95-8	83
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





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Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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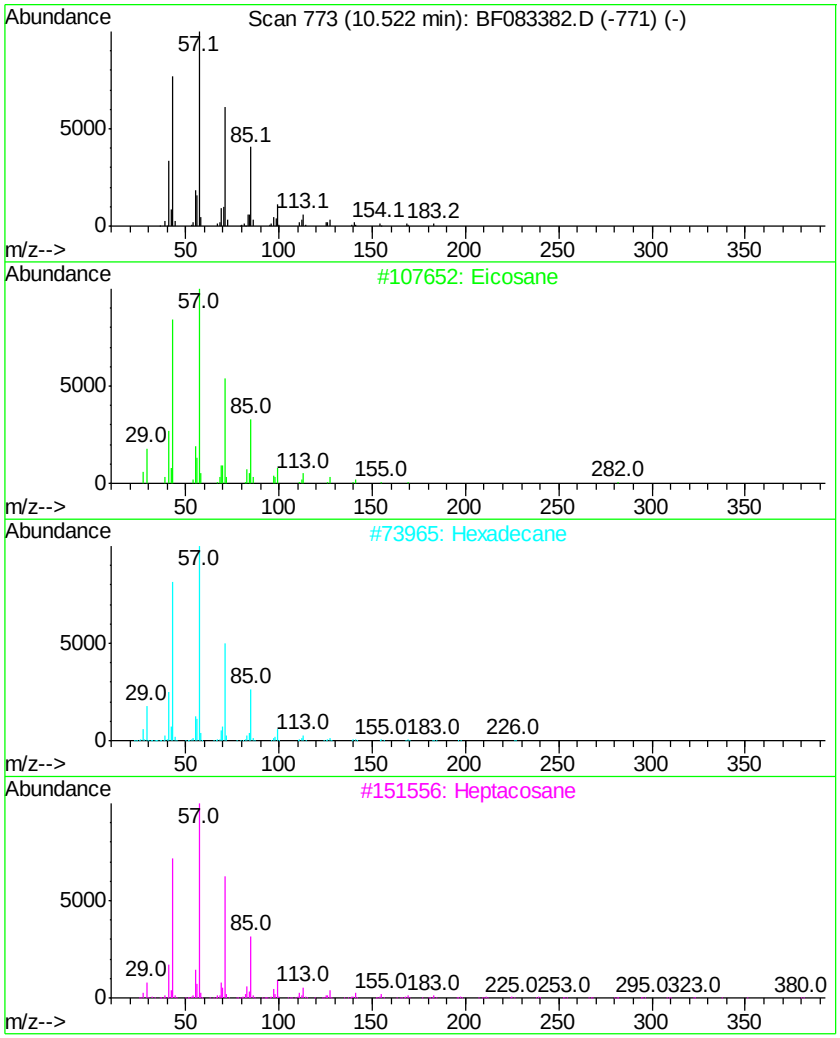
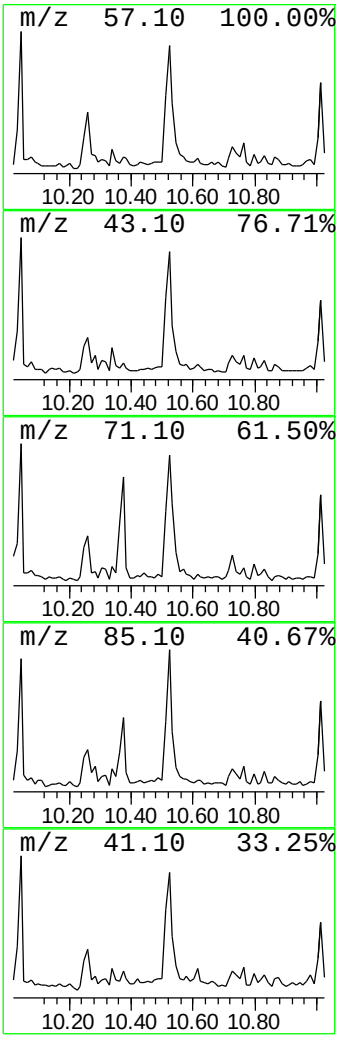
Peak Number 7 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	3.55 ng	267867	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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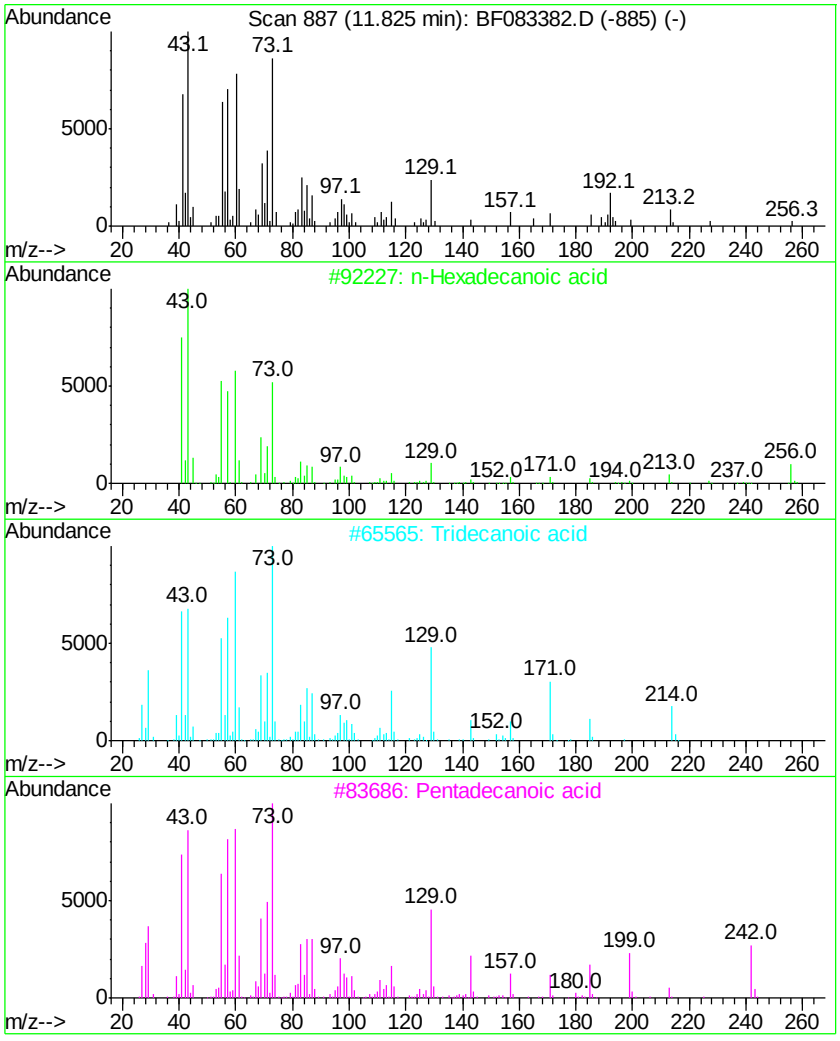
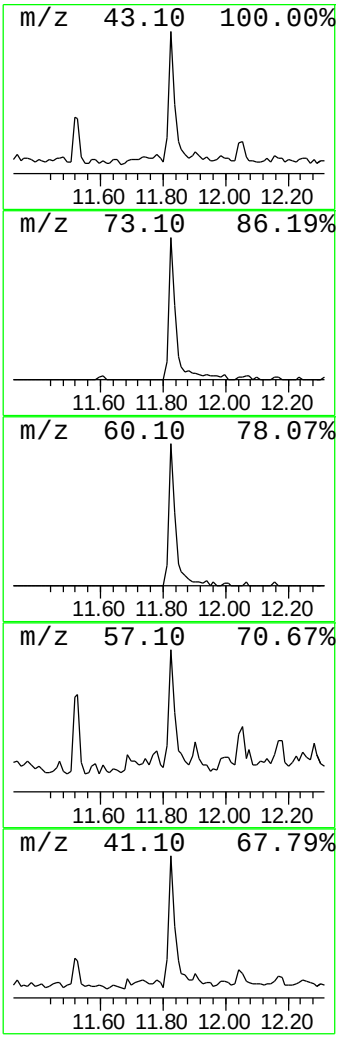
Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.34 ng	252268	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Undecanoic acid	186	C11H22O2	000112-37-8	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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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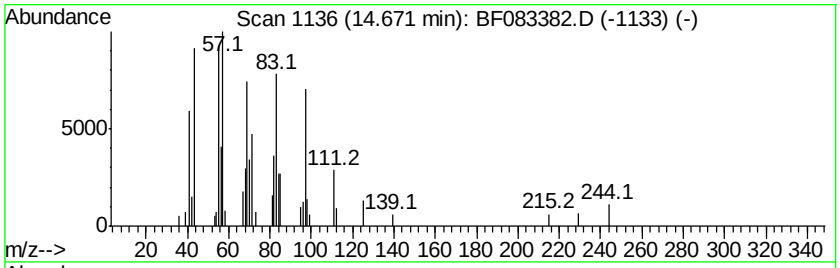
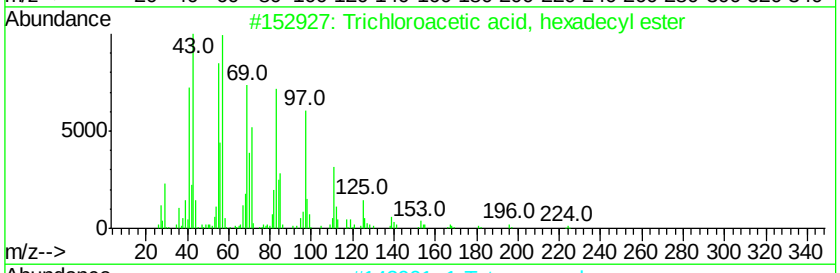
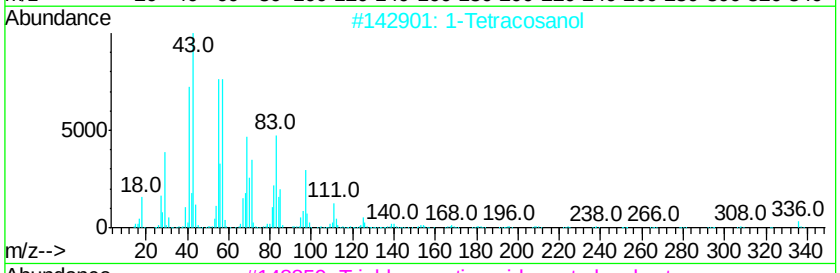
Peak Number 9 Trichloroacetic acid, hexad... Concentration Rank 8

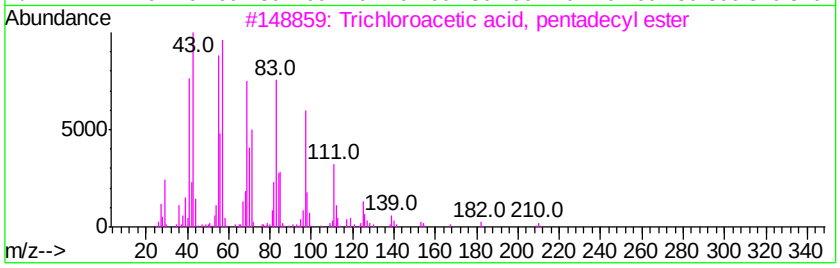
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	2.24 ng	153386	Chrysene-d12	14.75

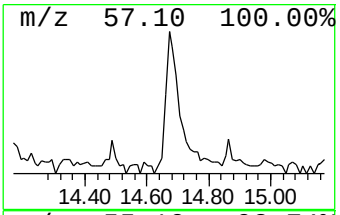
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	1-Tetracosanol	354	C24H50O	000506-51-4	91
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
4	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91
5	1-Nonadecene	266	C19H38	018435-45-5	91

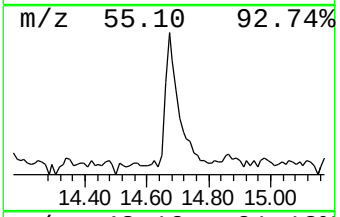


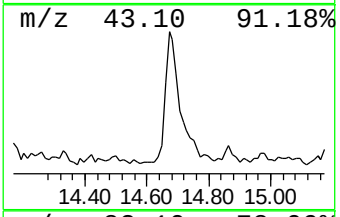


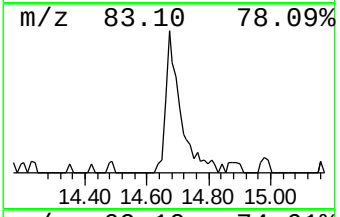


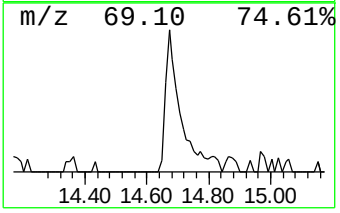












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120115\
Data File : BF083382.D
Acq On : 1 Dec 2015 19:56
Operator : UM/IZ
Sample : G4593-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S22-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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
Cyclopropane, 1,1...	3.90	2.5	ng	120076	1	6.54	975574	20.0
2-Pentanone, 4-hy...	4.66	29.3	ng	1428120	1	6.54	975574	20.0
unknown6.33	6.33	96.9	ng	4728060	1	6.54	975574	20.0
Hexanoic acid, 2-...	7.26	2.2	ng	144906	2	7.84	1291870	20.0
Tetradecane	10.04	2.2	ng	157073	3	9.58	1418500	20.0
Eicosane	10.52	3.5	ng	267867	4	11.13	1511170	20.0
n-Hexadecanoic acid	11.82	3.3	ng	252268	4	11.13	1511170	20.0
Trichloroacetic a...	14.67	2.2	ng	153386	5	14.75	1366770	20.0