LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

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-BF092815.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	5.108	256	260	266	rVB	1039049	1623949	48.61%	4.422%
2	5.508	292	295	298	rBV	2452360	2747303	82.23%	7.481%
3	6.537	382	385	388	rBV	2265726	2715073	81.27%	7.393%
4	6.674	394	397	400	rBV	2892320	2966117	88.78%	8.076%
5	6.903	415	417	420	rBV	629219	683623	20.46%	1.861%
6	7.063	428	431	433	rBV	2632653	2392847	71.62%	6.515%
7	7.474	464	467	472	rBV	1730799	1893388	56.67%	5.155%
8	7.554	472	474	481	rVB	52753	98072	2.94%	0.267%
9	8.194	527	530	532	rBV	929097	906109	27.12%	2.467%
10	9.269	621	624	627	rBV	3317560	3340894	100.00%	9.097%
11	9.383	632	634	636	rVB2	32257	39693	1.19%	0.108%
12	9.669	656	659	661	rBV	783895	832323	24.91%	2.266%
13	9.943	681	683	685	rBV	790461	953675	28.55%	2.597%
14	9.977	685	686	688	rVB	120897	100982	3.02%	0.275%
15	10.343	717	718	719	rBV	34144	42039	1.26%	0.114%
16	10.377	719	721	722	rVB	40481	53385	1.60%	0.145%
17	10.492	729	731	734	rVB	44068	47601	1.42%	0.130%
18	10.743	750	753	755	rBV	1534059	1965953	58.85%	5.353%
19	10.846	760	762	767	rVB	101033	139079	4.16%	0.379%
20	10.949	767	771	773	rBV	27197	41902	1.25%	0.114%
21	11.040	776	779	781	rBV3	20660	36282	1.09%	0.099%
22	11.189	788	792	795	rBV2	17438	43908	1.31%	0.120%
23	11.292	798	801	803	rVV2	85050	90946	2.72%	0.248%
24	11.326	803	804	807	rVB	34881	38612	1.16%	0.105%
25	11.440	811	814	818	rBV2	557791	1346369	40.30%	3.666%
26	11.509	818	820	826	rVB	122990	167369	5.01%	0.456%
27	11.658	830	833	837	rBV3	159744	294315	8.81%	0.801%
28	11.715	837	838	841	rVB	38867	56503	1.69%	0.154%
29	11.932	855	857	858	rBV	59706	62811	1.88%	0.171%
30	11.966	858	860	862	rVV	89967	130588	3.91%	0.356%
31	12.046	865	867	871	rVB2	114525	166307	4.98%	0.453%
32	12.126	872	874	876	rBV	42655	38988	1.17%	0.106%
33	12.229	882	883	884	rBV	45651	45255	1.35%	0.123%
34	12.481	903	905	907	rBV2	130123	222756	6.67%	0.607%

LSC Area Percent Report

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Sample : G3828-03
Misc :
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Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

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-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.515	907	908	911	rVV2	48850	68296	2.04%	0.186%
36	12.572	911	913	916	rVB	36440	46529	1.39%	0.127%
37	12.652	917	920	922	rBV	542679	700008	20.95%	1.906%
38	12.709	922	925	927	rVB2	21618	34125	1.02%	0.093%
39	12.801	929	933	934	rBV3	21226	40245	1.20%	0.110%
40	12.881	936	940	942	rBV2	497920	751943	22.51%	2.047%
41	12.926	942	944	946	rVB	44213	57519	1.72%	0.157%
42	13.029	950	953	955	rVV	1972361	2775780	83.08%	7.558%
43	13.086	956	958	961	rVB2	47967	82924	2.48%	0.226%
44	13.201	964	968	970	rBV2	67513	117914	3.53%	0.321%
45	13.269	973	974	975	rBV	49793	43777	1.31%	0.119%
46	13.304	975	977	979	rBV	51227	59039	1.77%	0.161%
47	13.429	987	988	990	rBV2	34203	39477	1.18%	0.107%
48	13.509	992	995	997	rVB4	19310	39709	1.19%	0.108%
49	13.589	1000	1002	1004	rBV3	36742	68981	2.06%	0.188%
50	13.715	1011	1013	1015	rBV	51083	68191	2.04%	0.186%
51	13.818	1019	1022	1024	rBV2	50237	105192	3.15%	0.286%
52	13.909	1029	1030	1035	rVB2	161241	265553	7.95%	0.723%
53	14.069	1040	1044	1051	rBV2	798157	1786302	53.47%	4.864%
54	14.184	1051	1054	1055	rVB2	40092	56761	1.70%	0.155%
55	14.229	1056	1058	1061	rBV4	32211	53575	1.60%	0.146%
56	14.458	1076	1078	1080	rBV	66136	77074	2.31%	0.210%
57	14.538	1083	1085	1088	rBV4	46511	103362	3.09%	0.281%
58	14.767	1103	1105	1110	rVB3	29002	72588	2.17%	0.198%
59	14.847	1110	1112	1113	rBV	40478	51690	1.55%	0.141%
60	14.915	1116	1118	1120	rBV	39851	46605	1.39%	0.127%
61	15.109	1132	1135	1139	rBV	327155	706213	21.14%	1.923%
62	15.212	1142	1144	1146	rVB	65797	73777	2.21%	0.201%
63	15.407	1158	1161	1164	rVB	175392	231099	6.92%	0.629%
64	15.475	1164	1167	1169	rVV	204610	335273	10.04%	0.913%
65	15.532	1169	1172	1182	rVB	590057	971394	29.08%	2.645%
66	16.035	1214	1216	1219	rBV4	20359	33987	1.02%	0.093%
67	16.972	1295	1298	1303	rVB2	82080	191070	5.72%	0.520%
68	17.144	1311	1313	1316	rBV	26867	64319	1.93%	0.175%
69	17.407	1332	1336	1343	rVB	73385	180457	5.40%	0.491%

Sum of corrected areas: 36725764

LSC Report - Integrated Chromatogram

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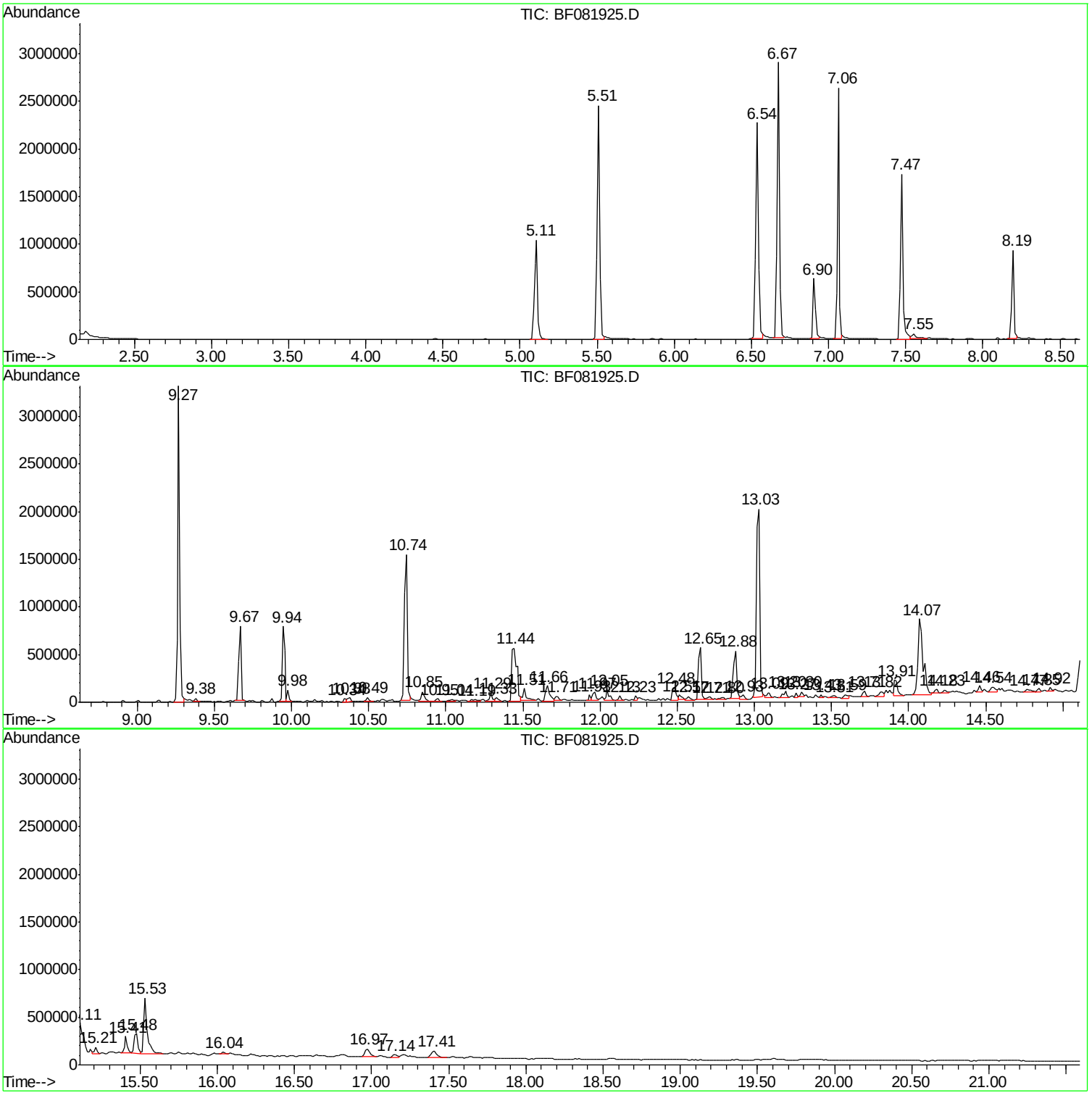
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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\BF093015\
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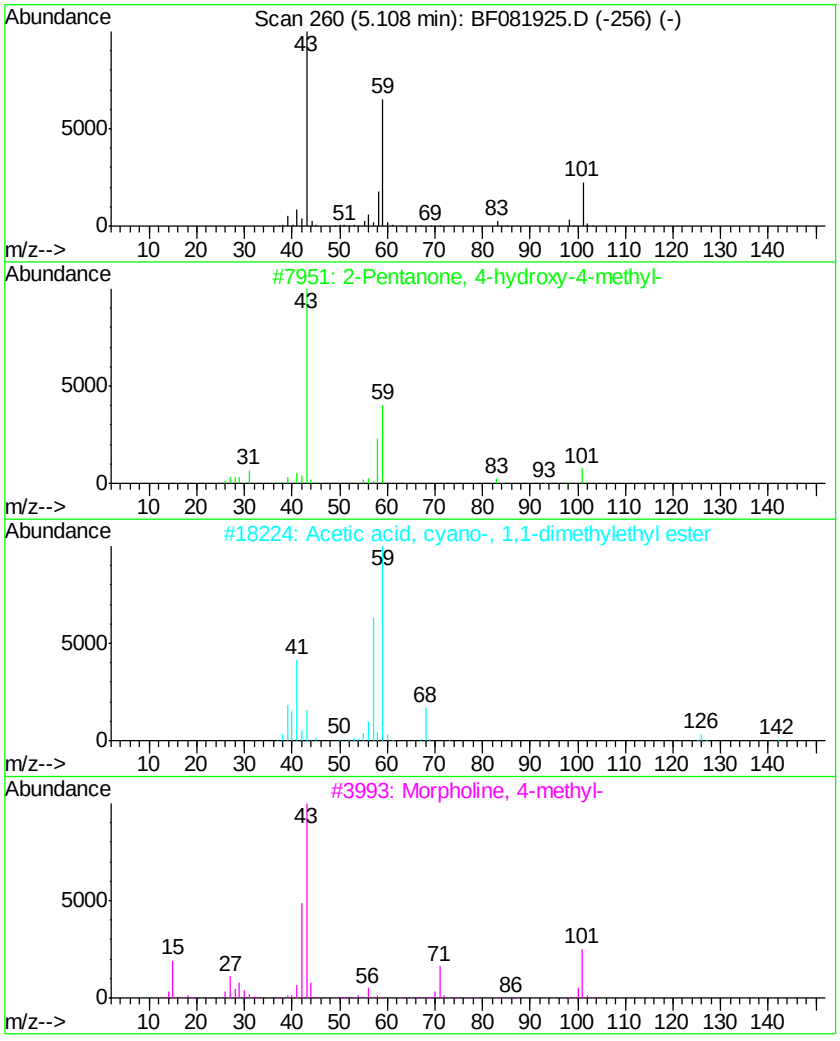
TIC Integration Parameters: LSCINT.P

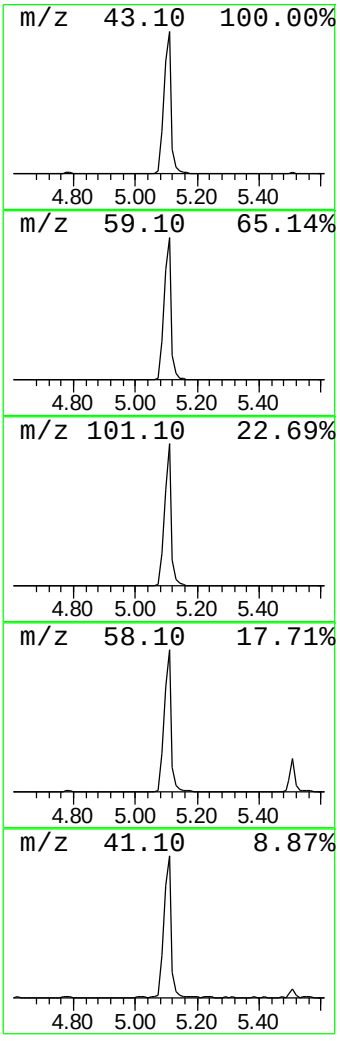
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	47.51 ng	1623950	1,4-Dichlorobenzene-d4	6.90

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	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

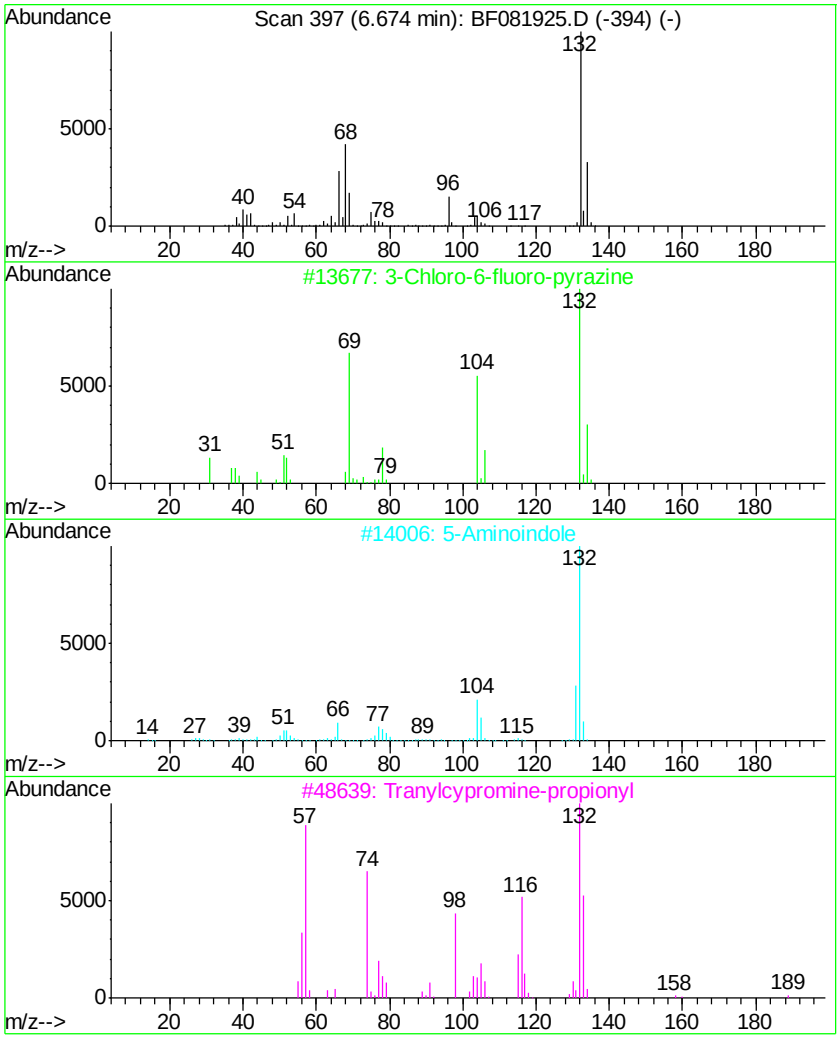
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

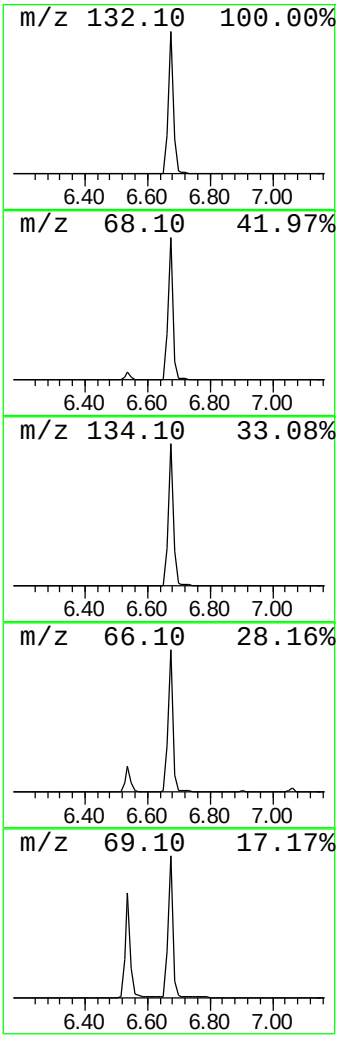
****

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	86.78 ng	2966120	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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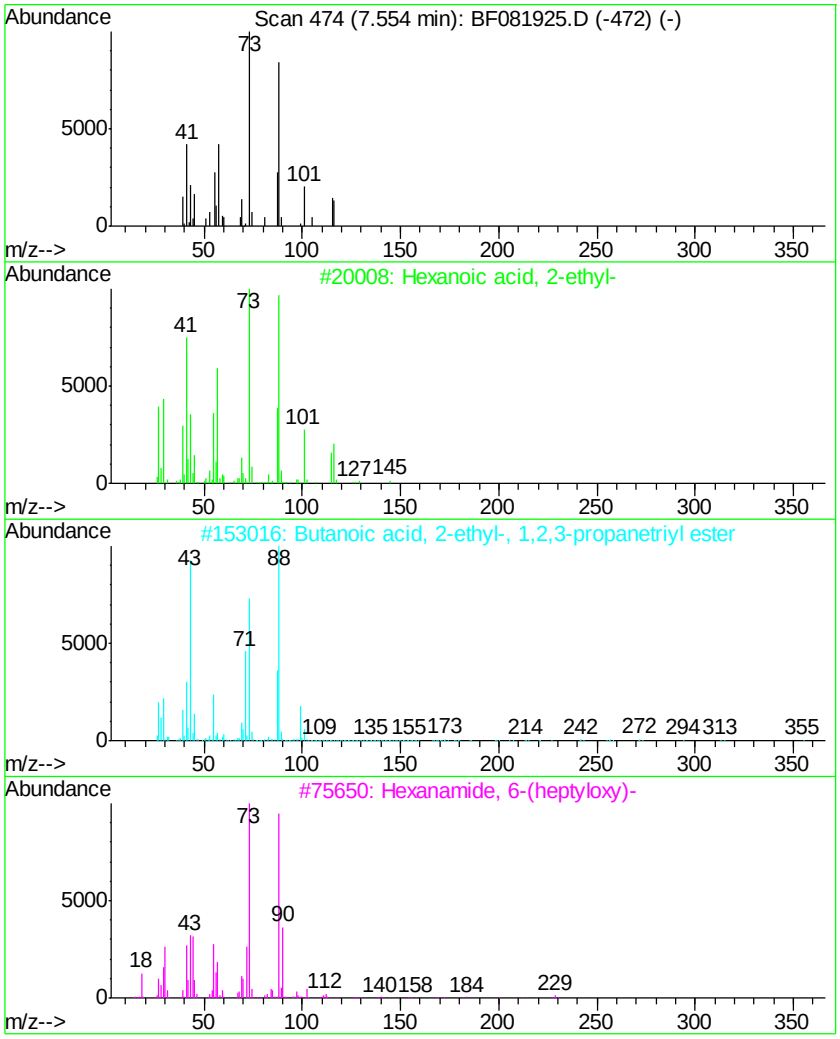
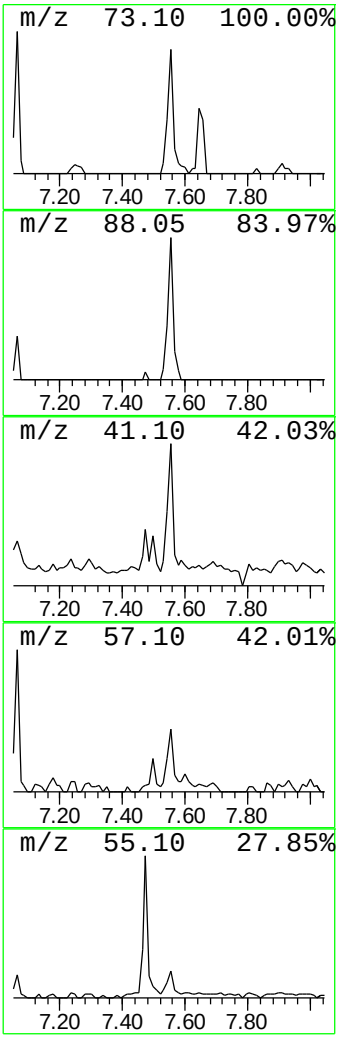
Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	2.16 ng	98072	Naphthalene-d8	8.19

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	Hexanamide, 6-(heptyloxy)-	229	C13H27NO2	055191-08-7	40
4	Hydroxypivalic acid	118	C5H10O3	004835-90-9	40
5	Urea, ethyl-	88	C3H8N2O	000625-52-5	37





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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TIC Library : C:\DATABASE\NIST02.L
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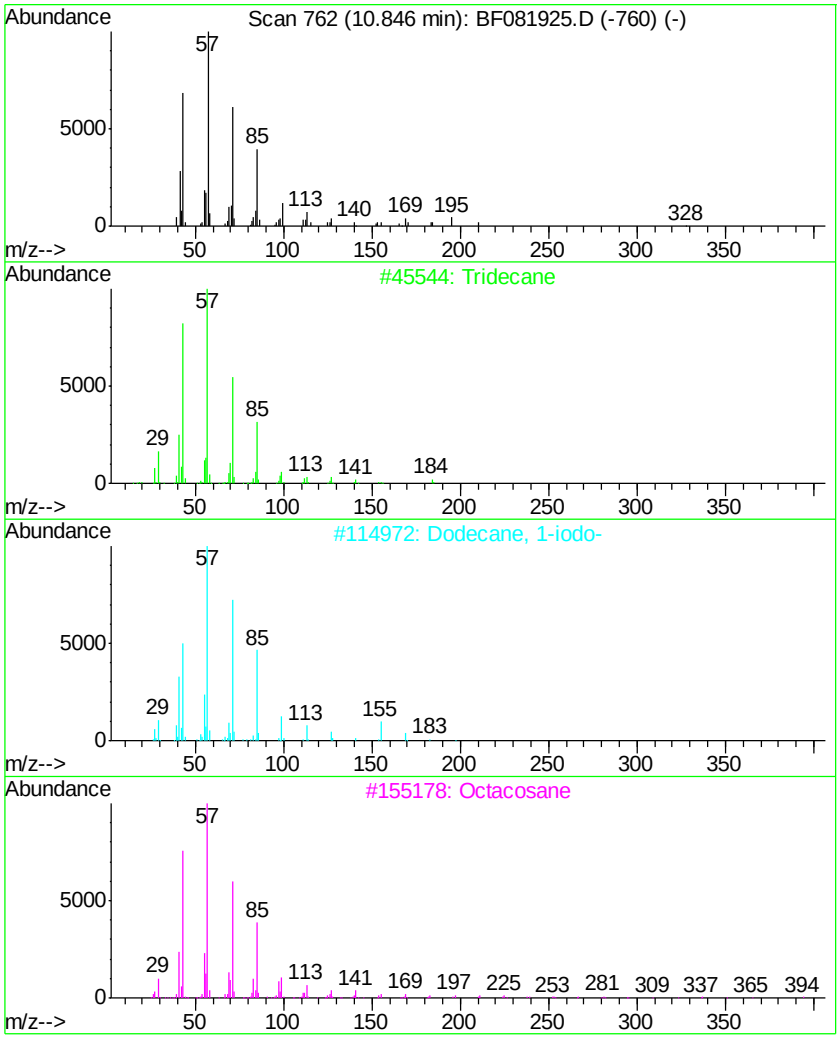
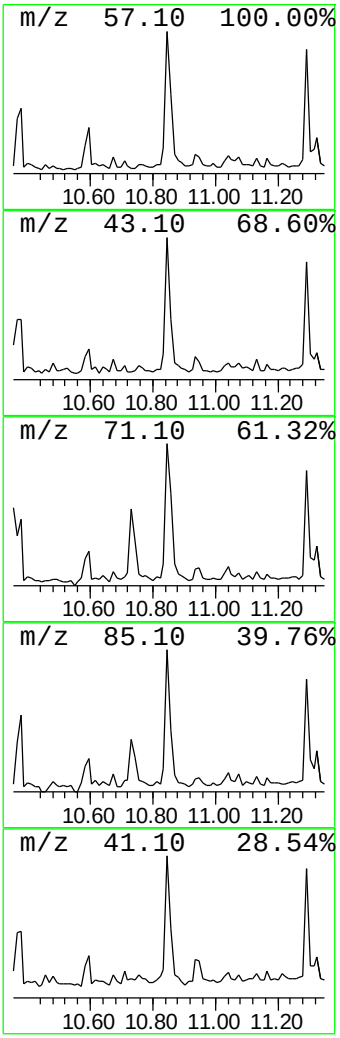
Peak Number 5 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.07 ng	139079	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	83
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83





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Misc :
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Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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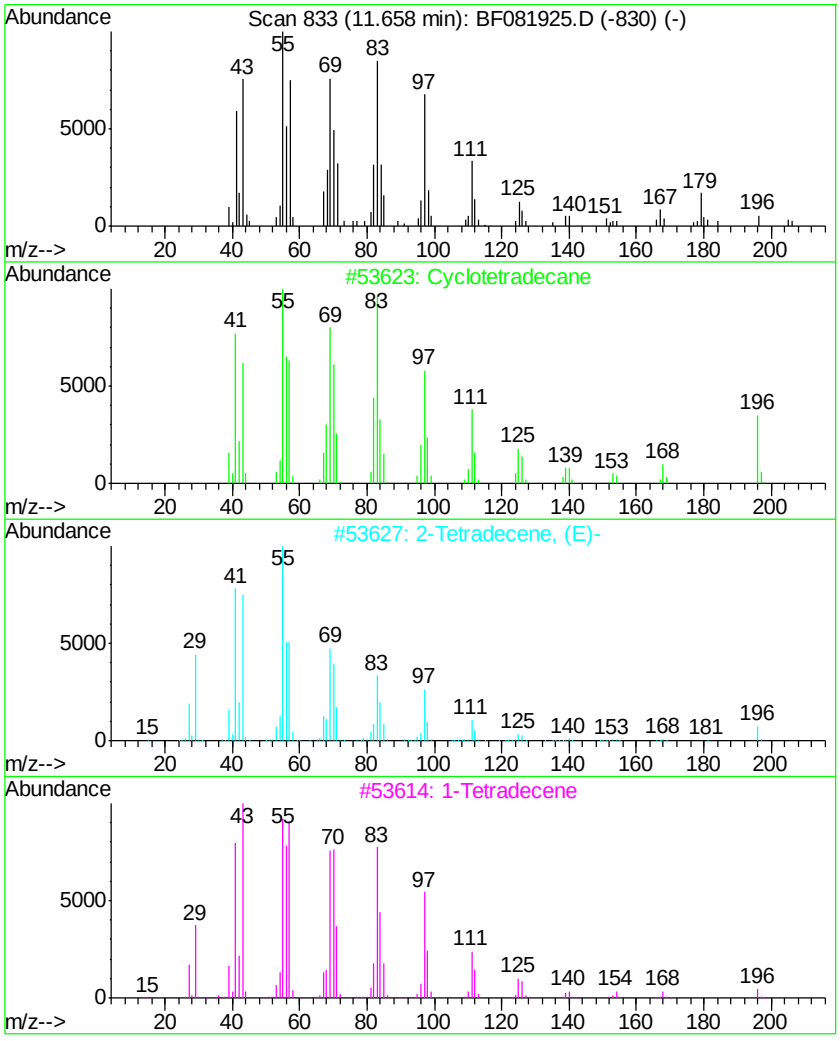
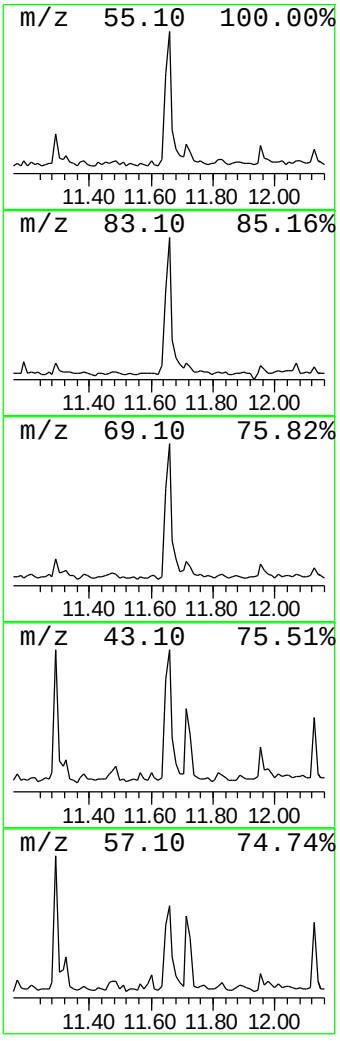
Peak Number 6 Cyclotetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	4.37 ng	294315	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	98
2	2-Tetradecene, (E)-	196	C14H28	035953-53-8	96
3	1-Tetradecene	196	C14H28	001120-36-1	95
4	1-Hexadecanol	242	C16H34O	036653-82-4	94
5	9-Octadecene, (E)-	252	C18H36	007206-25-9	91





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Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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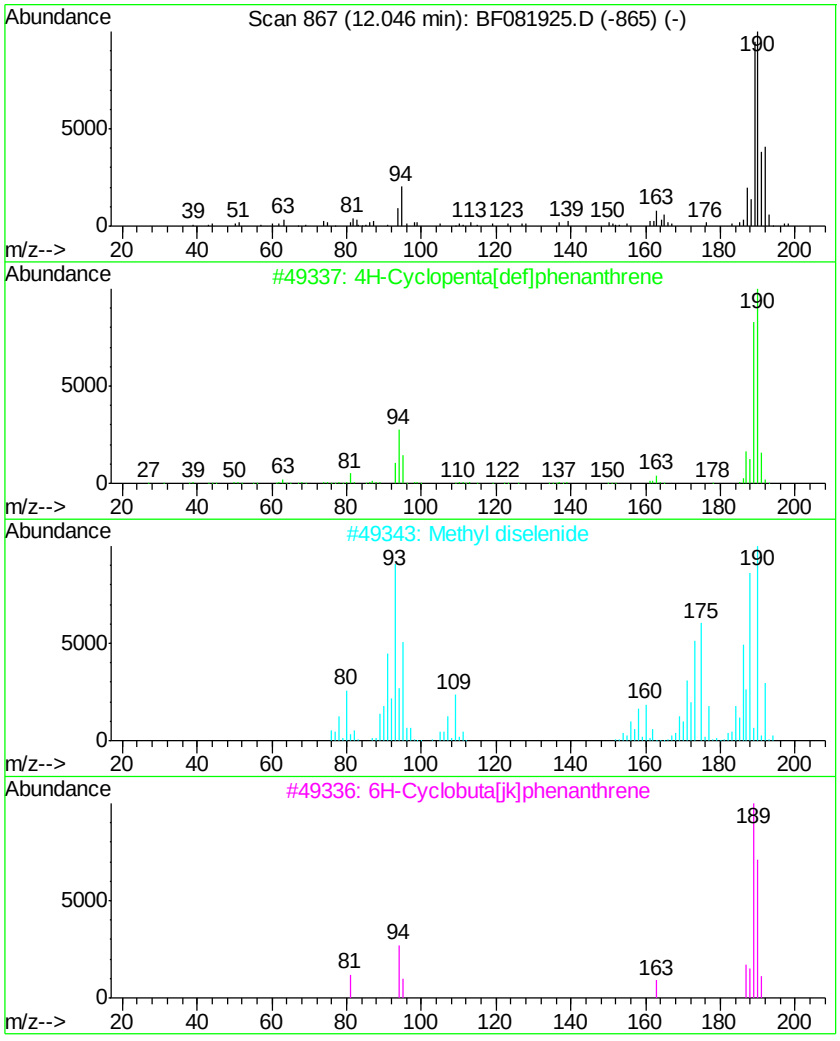
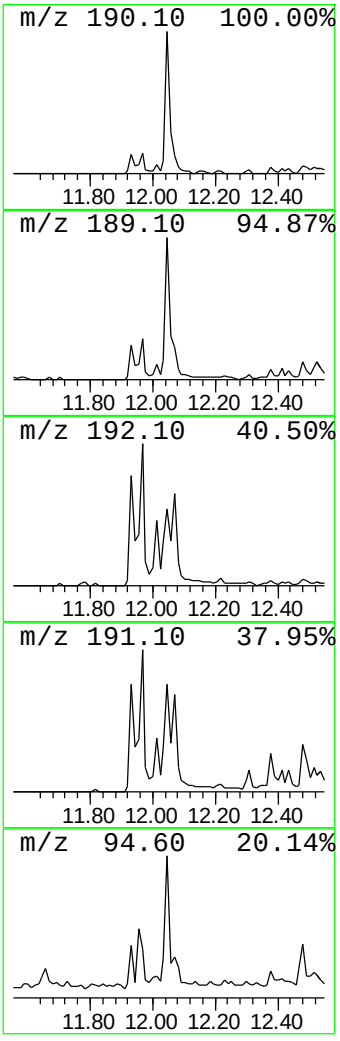
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.47 ng	166307	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17
5	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

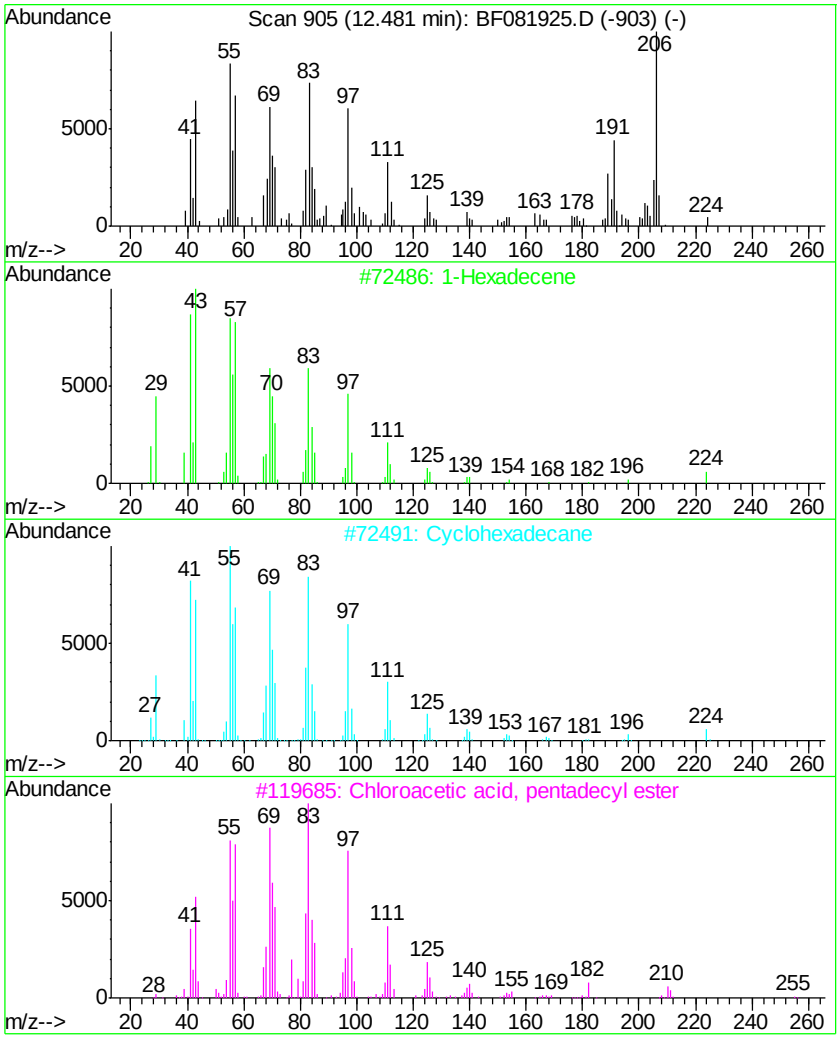
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

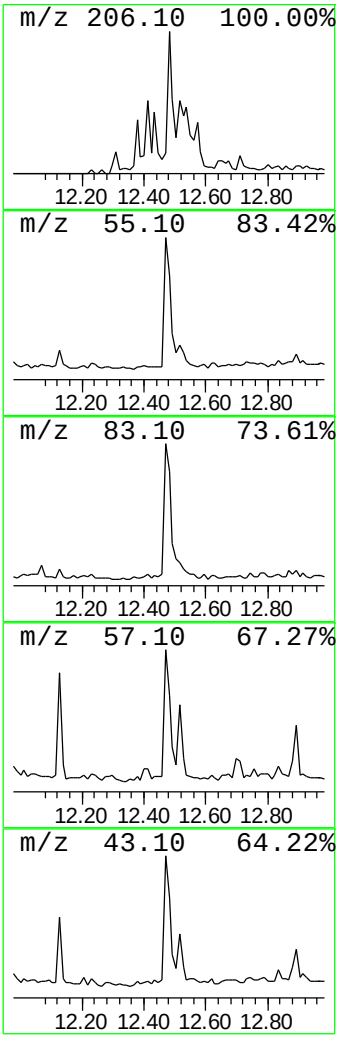
****

Peak Number 8 1-Hexadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	3.31 ng	222756	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecene	224	C16H32	000629-73-2	97
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	89
4	1-Octadecanol	270	C18H38O	000112-92-5	89
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093015\
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

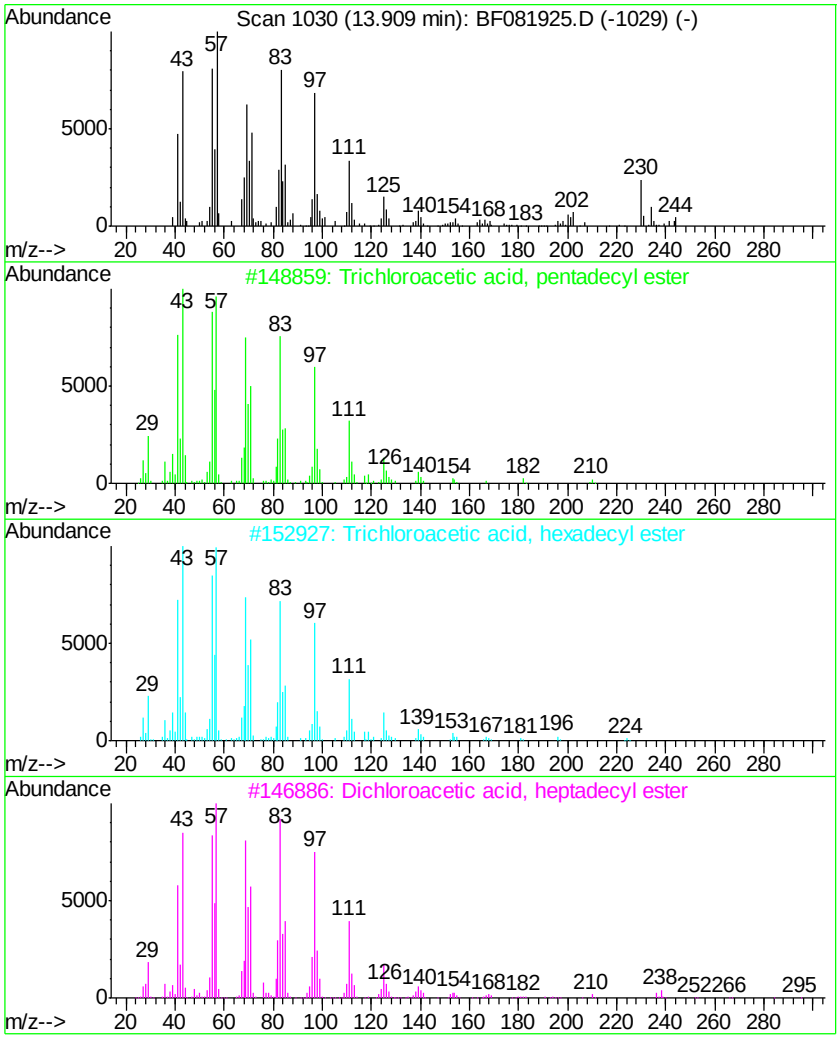
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

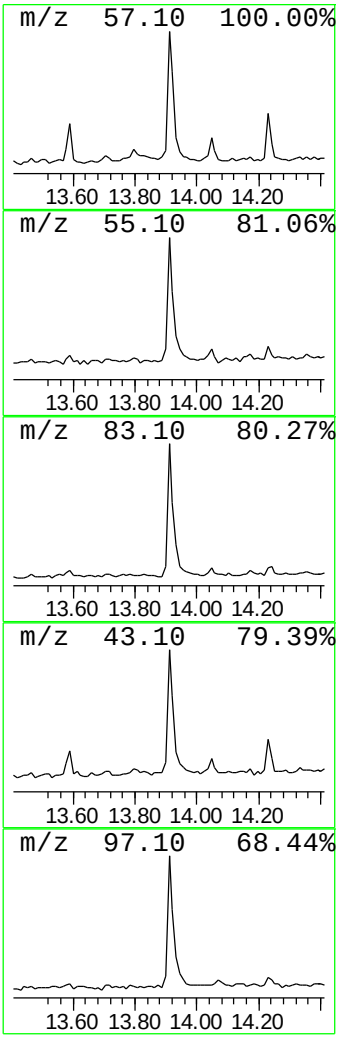
****

Peak Number 9 Trichloroacetic acid, penta... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	2.97 ng	265553	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	89
5	1-Docosene	308	C22H44	001599-67-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OGS-SSCF-PH-FL-3-4-4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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...	5.11	47.5	ng	1623950	1	6.90	683623	20.0
unknown6.67	6.67	86.8	ng	2966120	1	6.90	683623	20.0
Hexanoic acid, 2-...	7.55	2.2	ng	98072	2	8.19	906109	20.0
Tridecane	10.85	2.1	ng	139079	4	11.44	1346370	20.0
Cyclotetradecane	11.66	4.4	ng	294315	4	11.44	1346370	20.0
4H-Cyclopenta[def...	12.05	2.5	ng	166307	4	11.44	1346370	20.0
1-Hexadecene	12.48	3.3	ng	222756	4	11.44	1346370	20.0
Trichloroacetic a...	13.91	3.0	ng	265553	5	14.08	1786300	20.0