LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-WASTE-CHARACTERIZATION-

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-BF041516.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	2.155	4	6	22	rVB4	112179	417409	5.04%	0.627%
2	2.407	23	28	31	rVB	330719	493630	5.97%	0.741%
3	4.567	214	217	220	rBV	2541106	3144593	38.00%	4.722%
4	5.081	260	262	266	rBV	164644	231667	2.80%	0.348%
5	5.481	294	297	300	rBV	3511279	4068599	49.17%	6.110%
6	5.836	325	328	330	rBV	387544	457053	5.52%	0.686%
7	6.510	385	387	390	rVB	2954165	2578380	31.16%	3.872%
8	6.659	397	400	402	rBV	6071314	6187911	74.78%	9.293%
9	6.887	418	420	423	rBV	1429892	1864194	22.53%	2.800%
10	7.047	431	434	437	rBV	5054373	5841339	70.59%	8.772%
11	7.390	461	464	466	rBV	92458	122782	1.48%	0.184%
12	7.459	466	470	472	rVV	4877986	5522039	66.73%	8.293%
13	7.493	472	473	475	rVB	106841	93062	1.12%	0.140%
14	7.699	487	491	494	rBV	373269	741877	8.97%	1.114%
15	7.927	510	511	513	rVB	152215	113591	1.37%	0.171%
16	8.087	522	525	526	rBV2	111113	106323	1.28%	0.160%
17	8.144	526	530	531	rBV2	51514	92726	1.12%	0.139%
18	8.179	531	533	535	rBV	2914652	2480928	29.98%	3.726%
19	8.293	541	543	545	rBV	72177	101112	1.22%	0.152%
20	8.430	551	555	558	rBV2	58135	136327	1.65%	0.205%
21	8.727	579	581	583	rBV	2047611	1695195	20.49%	2.546%
22	9.265	624	628	630	rBV	5854065	8274636	100.00%	12.426%
23	9.516	646	650	655	rBV5	44123	156454	1.89%	0.235%
24	9.653	659	662	664	rVV	259949	374028	4.52%	0.562%
25	9.699	664	666	669	rVB2	61699	106829	1.29%	0.160%
26	9.825	675	677	680	rBV2	50729	93217	1.13%	0.140%
27	9.927	684	686	689	rBV	1970306	2626775	31.74%	3.945%
28	10.042	694	696	697	rBV	97071	92611	1.12%	0.139%
29	10.133	701	704	708	rVV6	62437	135913	1.64%	0.204%
30	10.339	719	722	723	rBV	166048	213870	2.58%	0.321%
31	10.373	723	725	726	rVB	118231	110047	1.33%	0.165%
32	10.419	726	729	730	rBV2	108720	122699	1.48%	0.184%
33	10.648	746	749	750	rVB2	97656	107805	1.30%	0.162%
34	10.716	752	755	758	rBV2	3346653	4480246	54.14%	6.728%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-WASTE-CHARACTERIZATION-

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-BF041516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.842	764	766	768	rBV	162424	153518	1.86%	0.231%
36	11.288	803	805	807	rBV	143387	141933	1.72%	0.213%
37	11.413	814	816	819	rVB	2816092	2433325	29.41%	3.654%
38	11.631	833	835	837	rVV	135913	132431	1.60%	0.199%
39	11.951	860	863	868	rBV3	302754	452165	5.46%	0.679%
40	12.728	929	931	937	rBV2	181535	314922	3.81%	0.473%
41	12.831	937	940	943	rVB2	64408	121370	1.47%	0.182%
42	13.002	952	955	958	rBV	5051002	5944221	71.84%	8.927%
43	13.894	1032	1033	1038	rBV2	161907	222034	2.68%	0.333%
44	14.042	1044	1046	1049	rBV	1482749	1659255	20.05%	2.492%
45	15.482	1169	1172	1175	rBV	1121298	1334395	16.13%	2.004%
46	16.420	1250	1254	1265	rVB3	104427	294162	3.55%	0.442%

Sum of corrected areas: 66589598

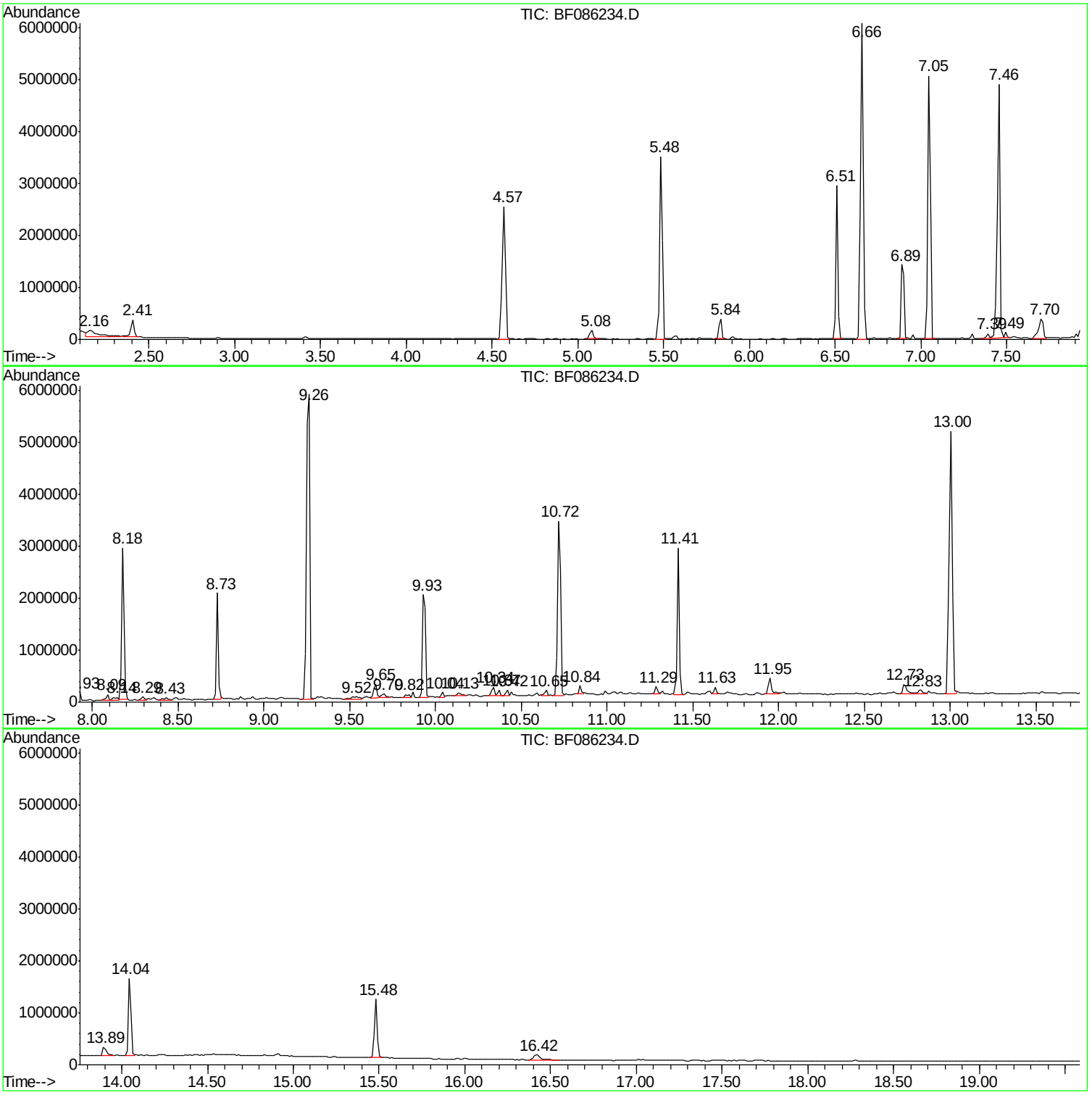
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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\BF041516\
Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

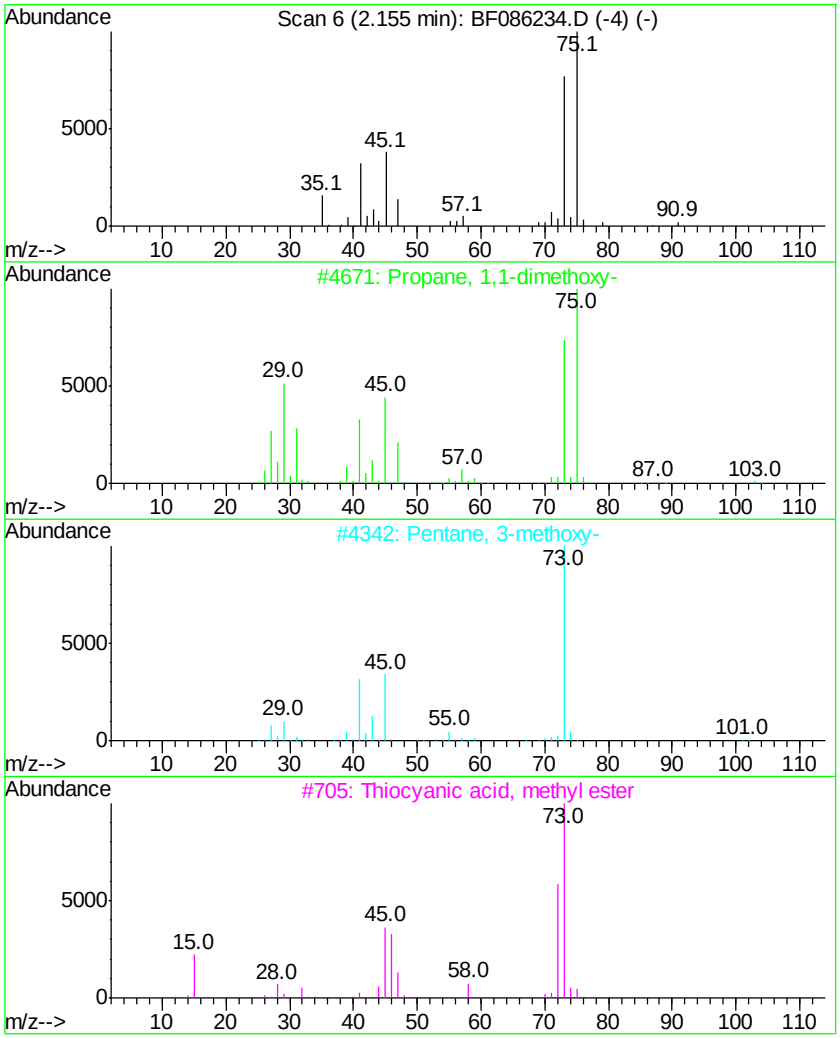
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

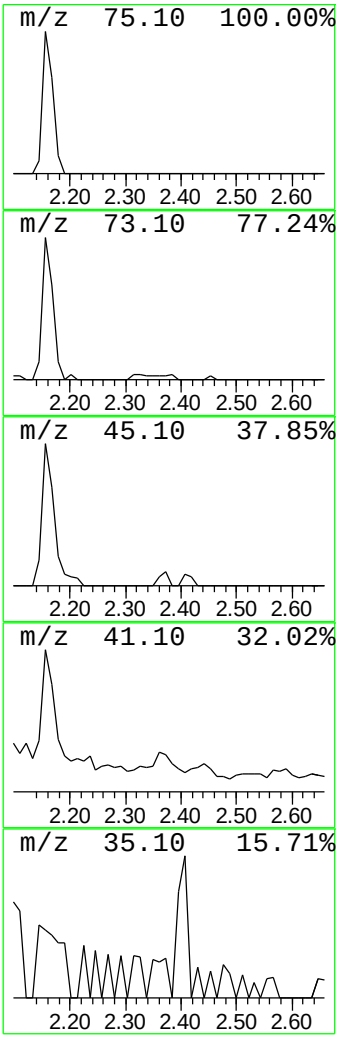
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	4.48 ng	417409	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	14
3	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	12
4	Glycine	75	C2H5NO2	000056-40-6	9
5	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	9





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Operator : UM/SJ
Sample : H2402-10
Misc :
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Instrument :
BNA_F
ClientSampleId :
GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

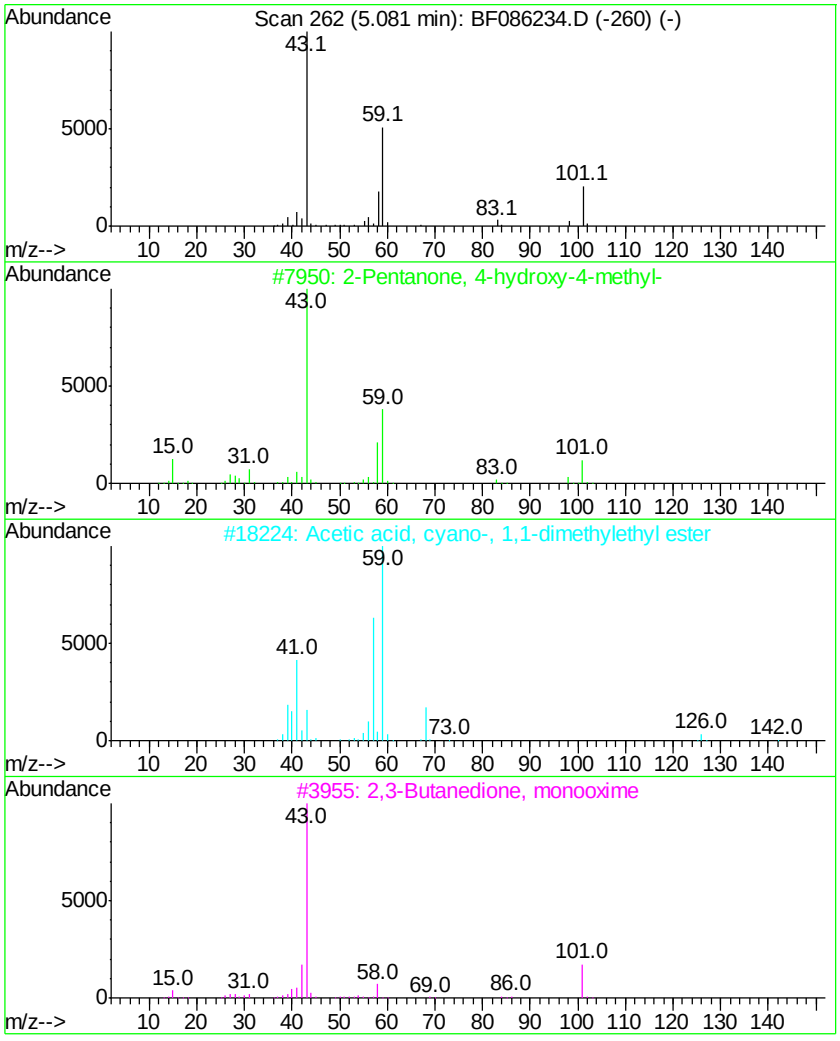
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

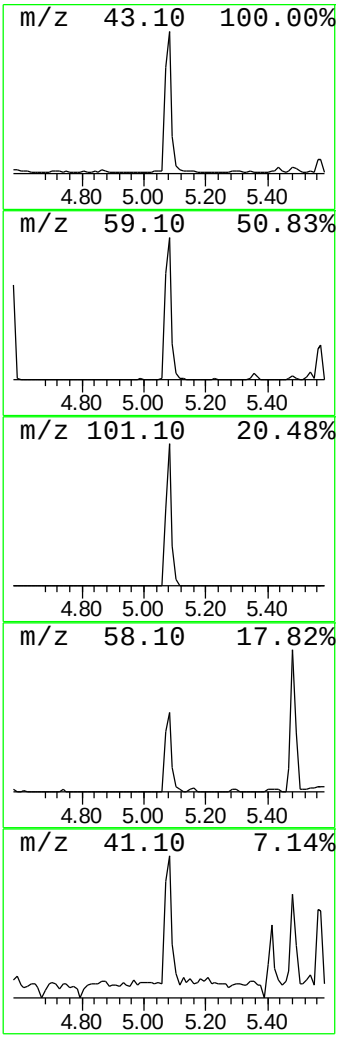
****

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	2.49 ng	231667	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	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Data File : BF086234.D
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Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

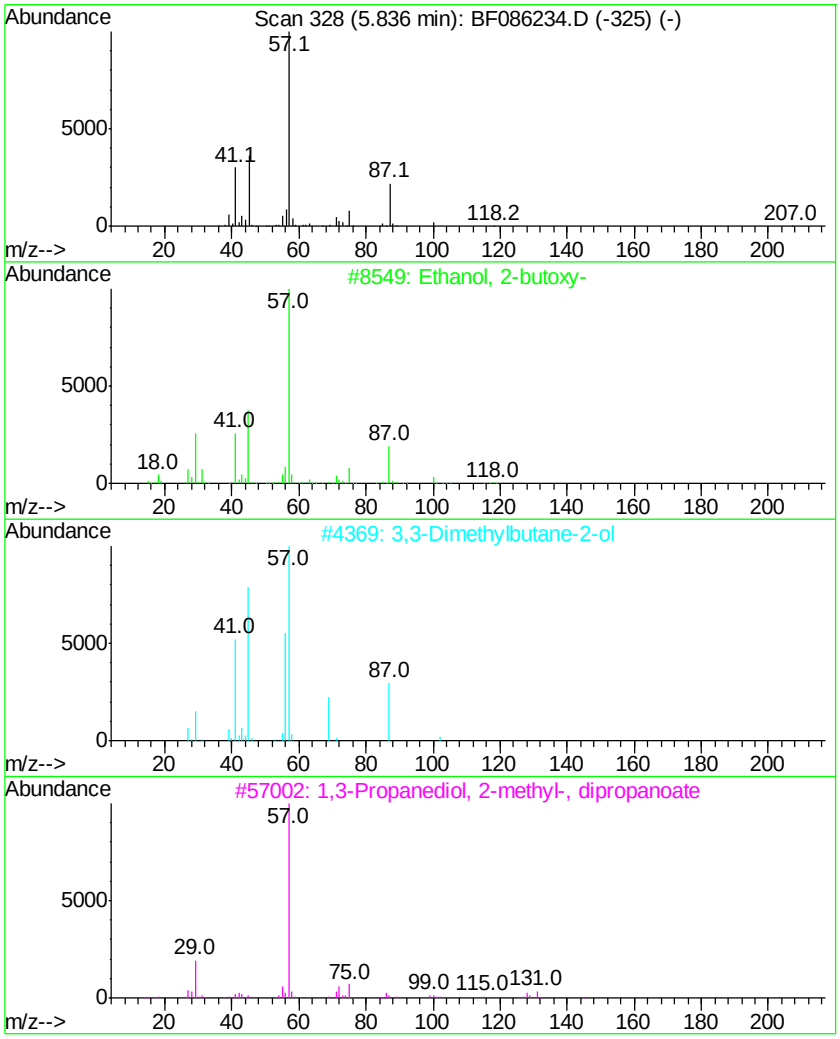
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

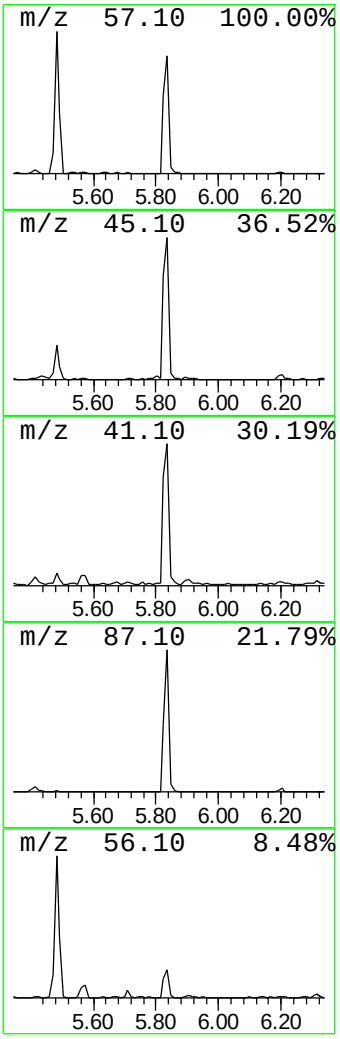
****

Peak Number 5 Ethanol, 2-butoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	4.90 ng	457053	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	53
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	28
3	1,3-Propanediol, 2-methyl-, dipr...	202	C10H18O4	054932-83-1	17
4	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	17
5	Isobutyl ether	130	C8H18O	000628-55-7	12





Library Search Compound Report

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Instrument :
BNA_F
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GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
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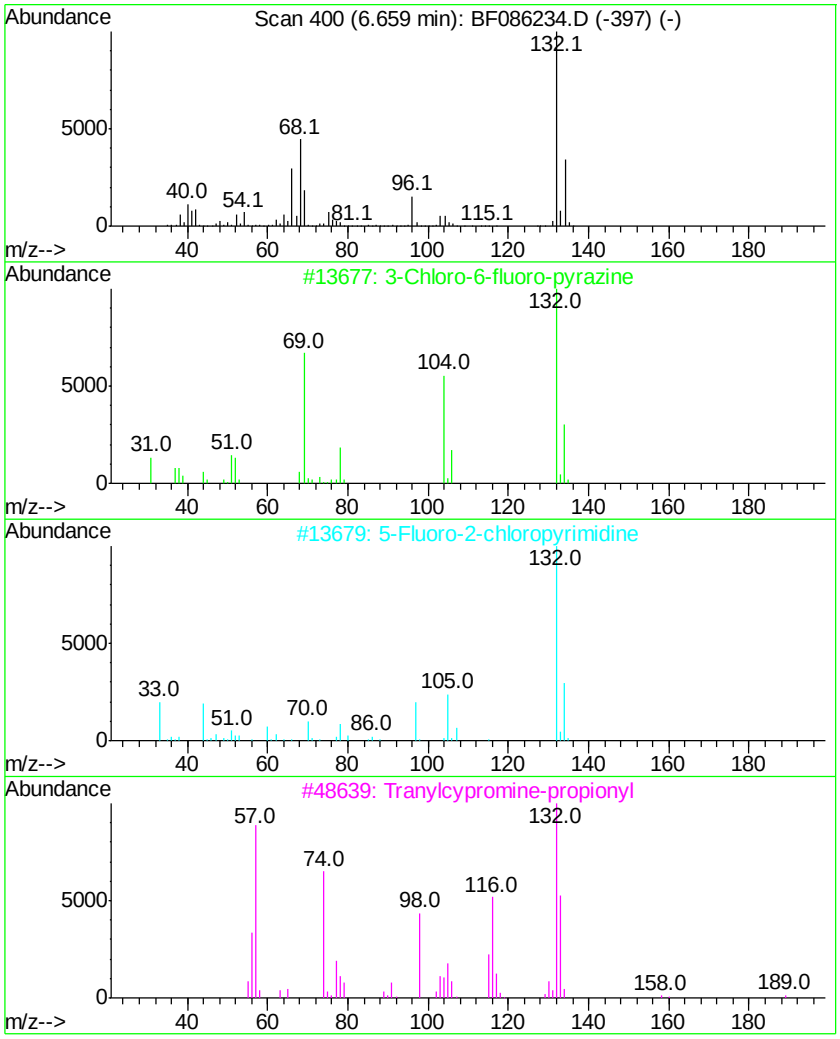
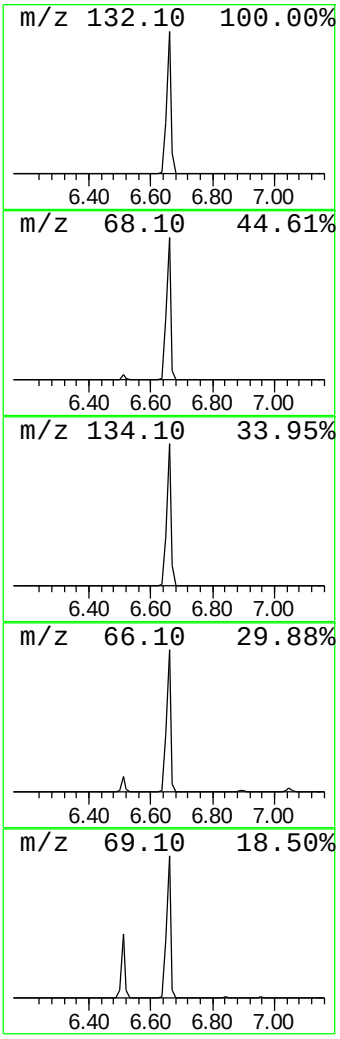
****

Peak Number 6 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	66.39 ng	6187910	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-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
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TIC Library : C:\DATABASE\NIST02.L
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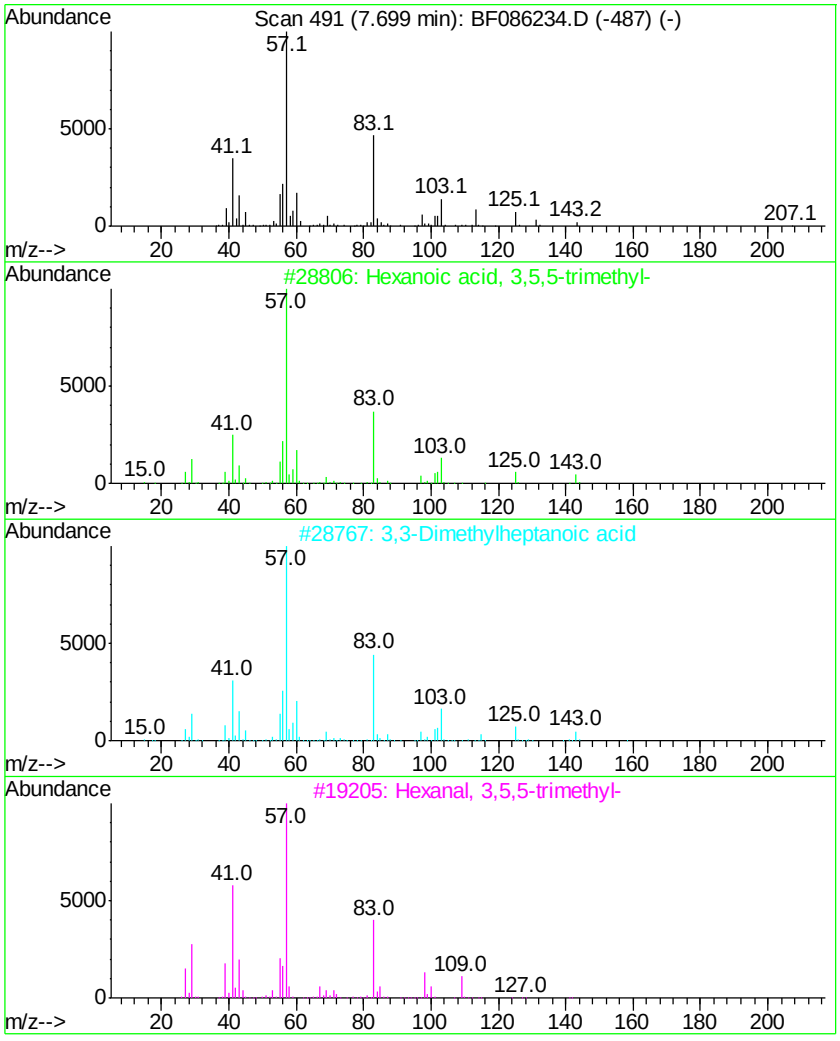
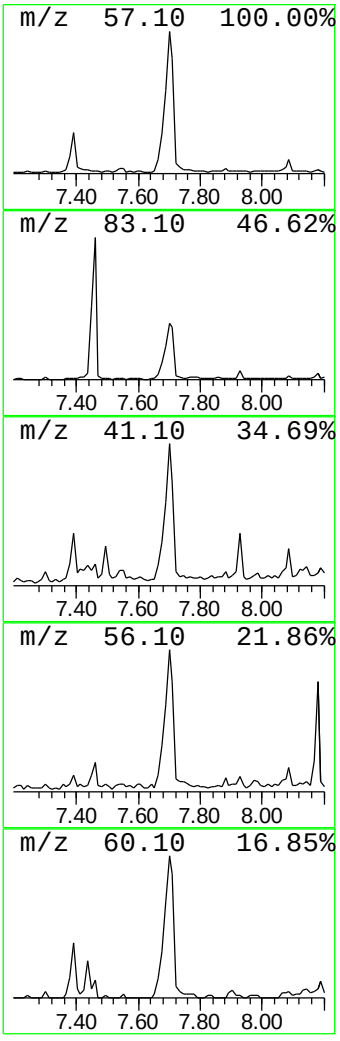
****

Peak Number 8 Hexanoic acid, 3,5,5-trimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	5.98 ng	741877	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	90
2	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	83
3	Hexanal, 3,5,5-trimethyl-	142	C9H18O	005435-64-3	28
4	Propanoic acid, 2,2-dimethyl-, h...	200	C12H24O2	017660-61-6	27
5	Propanoic acid, 2,2-dimethyl-, b...	158	C9H18O2	005129-37-3	16





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

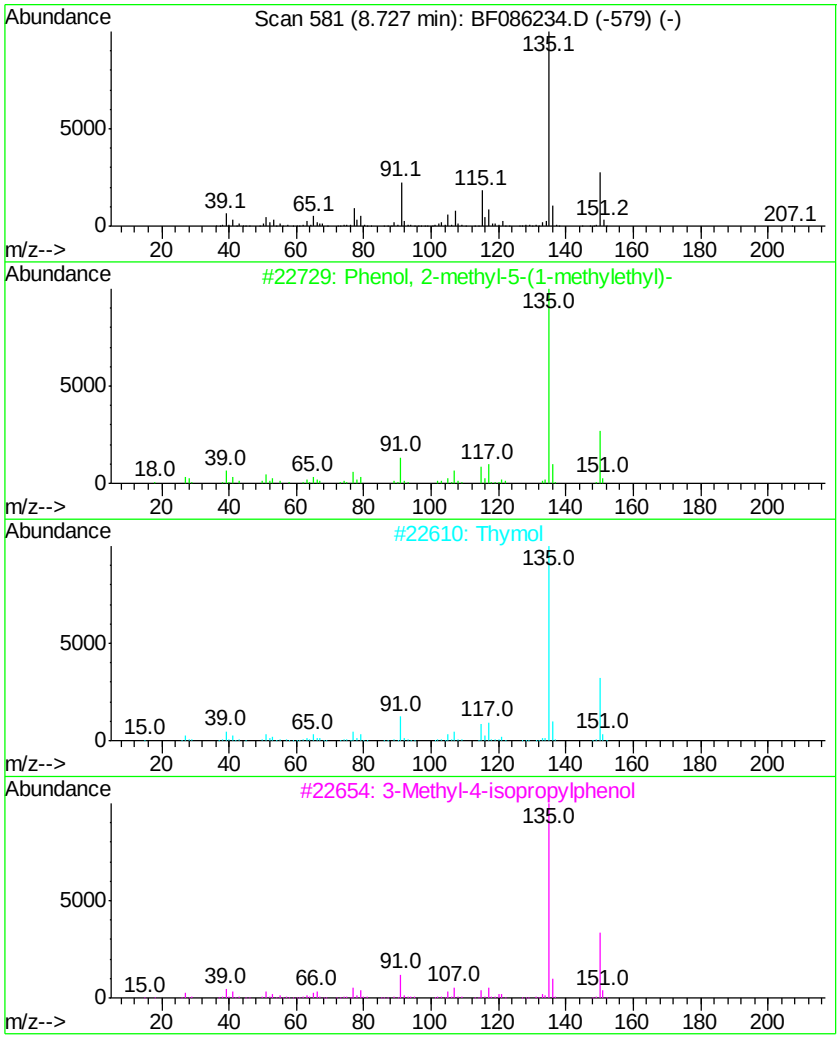
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

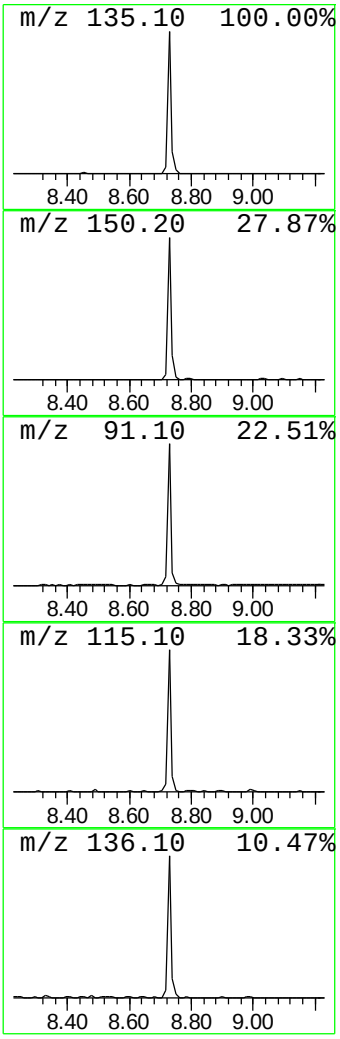
****

Peak Number 9 Phenol, 2-methyl-5-(1-methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	13.67 ng	1695200	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	93
2	Thymol	150	C10H14O	000089-83-8	93
3	3-Methyl-4-isopropylphenol	150	C10H14O	003228-02-2	90
4	Phenol, 2,3,4,6-tetramethyl-	150	C10H14O	003238-38-8	80
5	Phenol, 2,3,5,6-tetramethyl-	150	C10H14O	000527-35-5	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

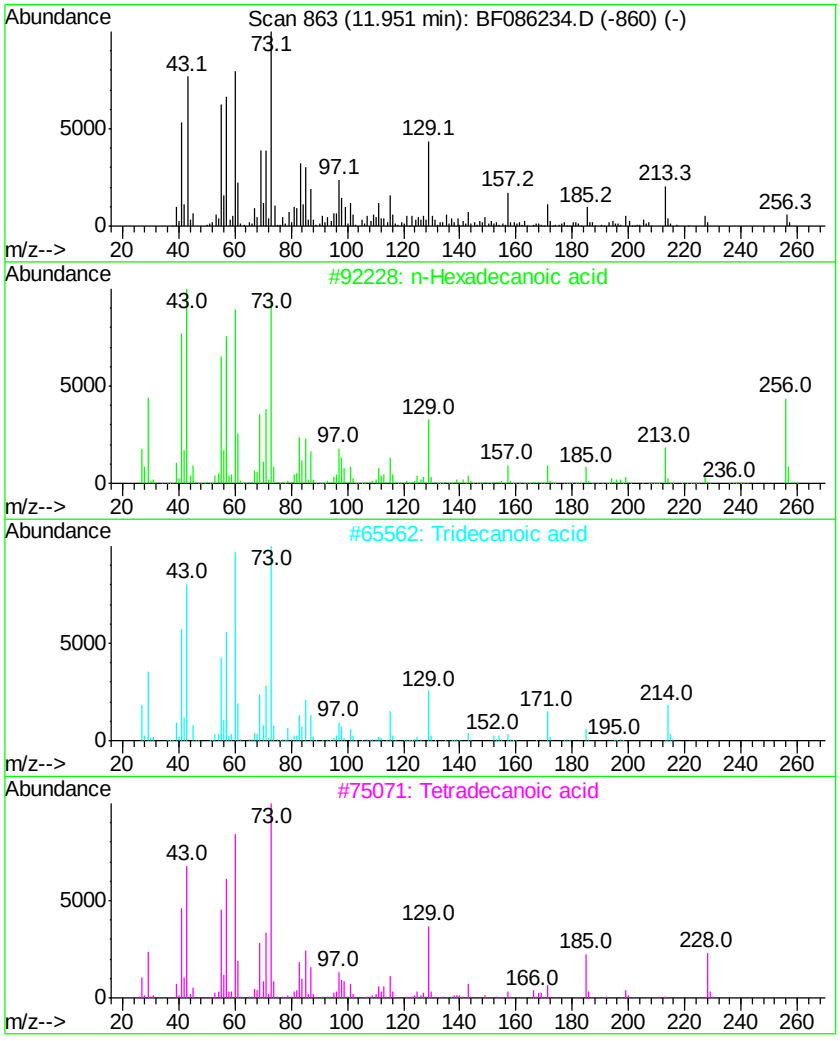
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

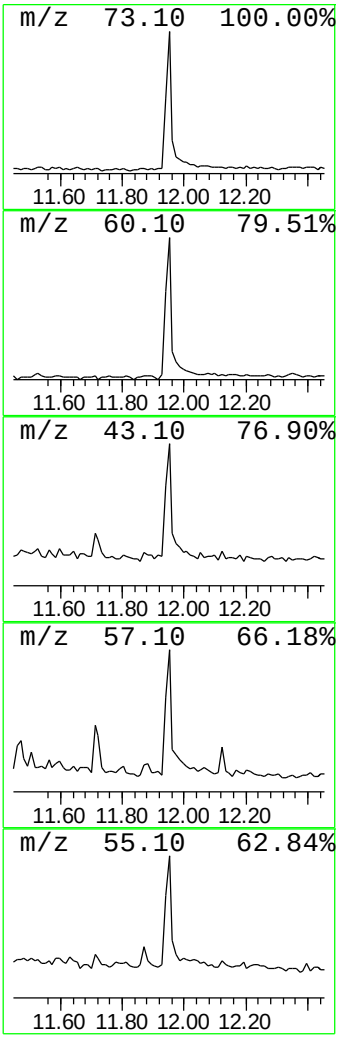
****

Peak Number 10 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.72 ng	452165	Phenanthrene-d10	11.41

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	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	68
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

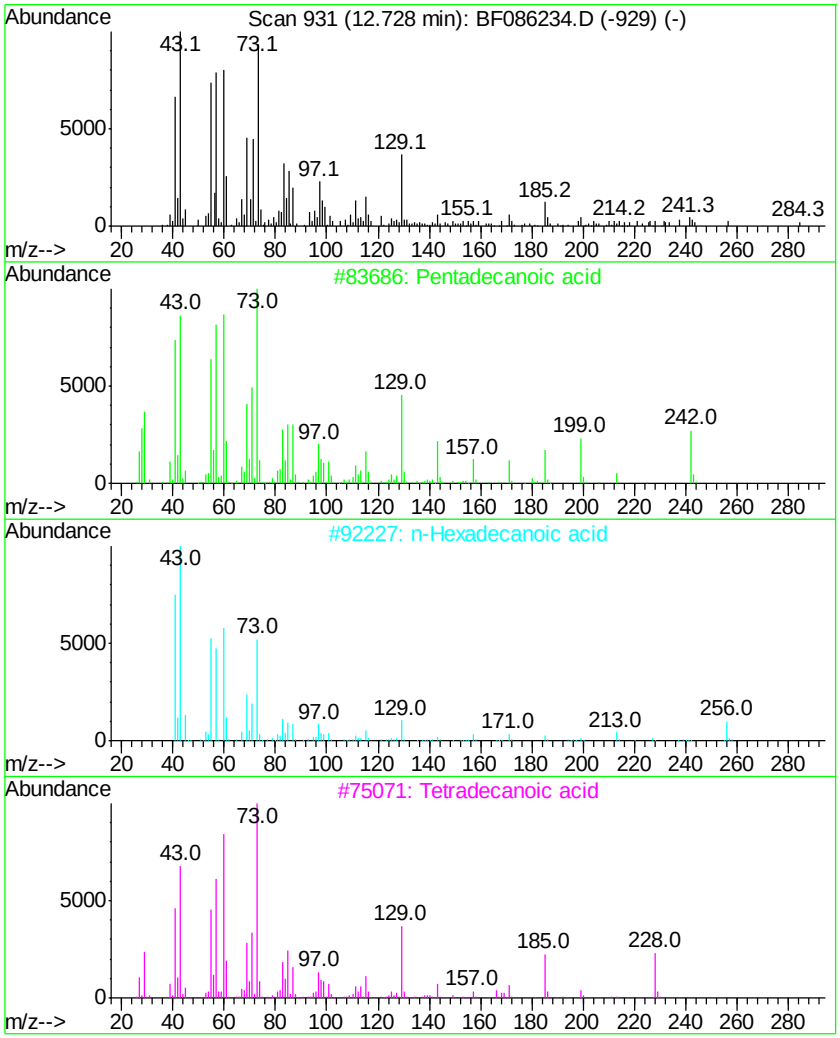
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

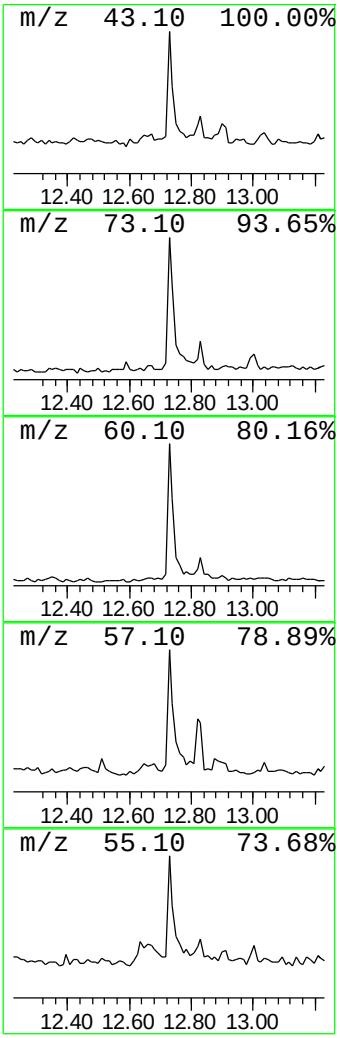
****

Peak Number 11 Pentadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	3.80 ng	314922	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
4	n-Decanoic acid	172	C10H20O2	000334-48-5	68
5	Undecanoic acid	186	C11H22O2	000112-37-8	64





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Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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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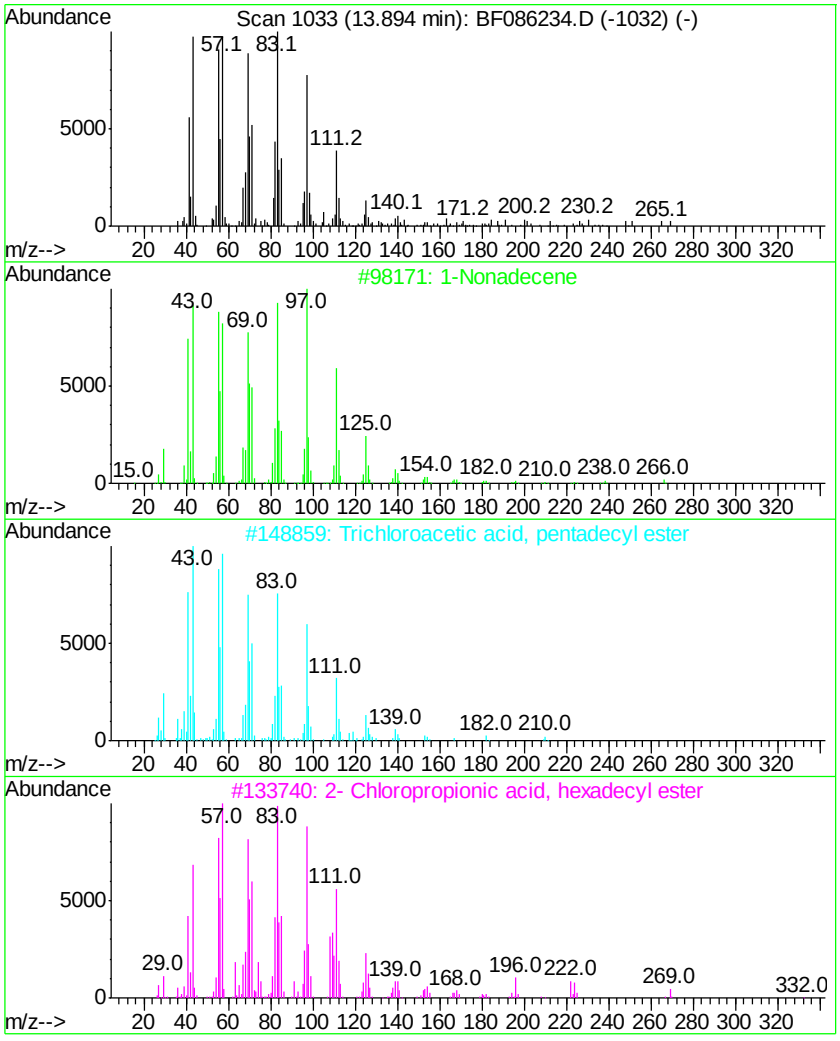
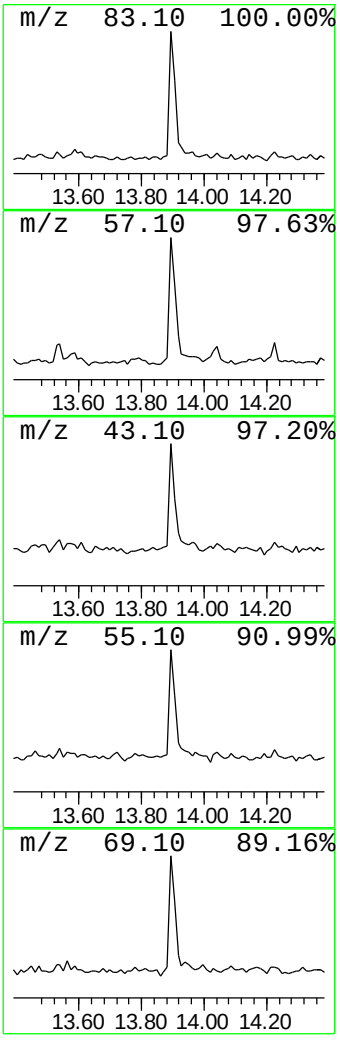
Peak Number 12 1-Nonadecene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.68 ng	222034	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	91
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	91
4	1-Nonadecanol	284	C19H40O	001454-84-8	91
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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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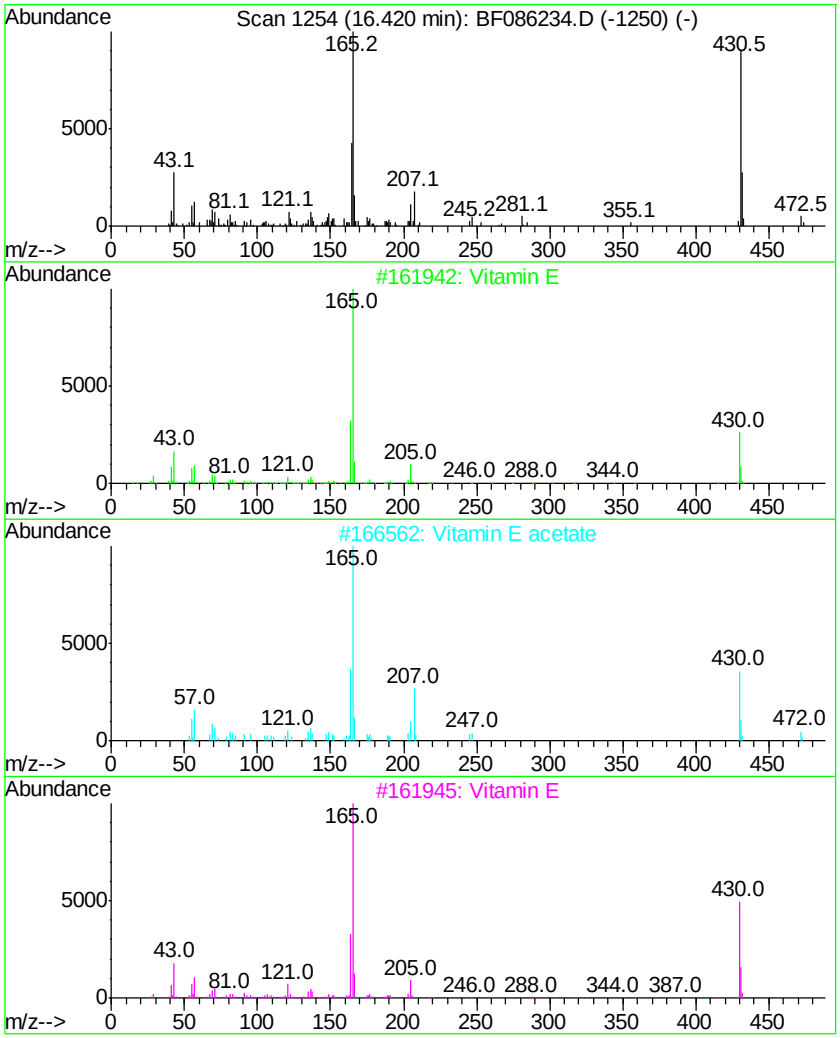
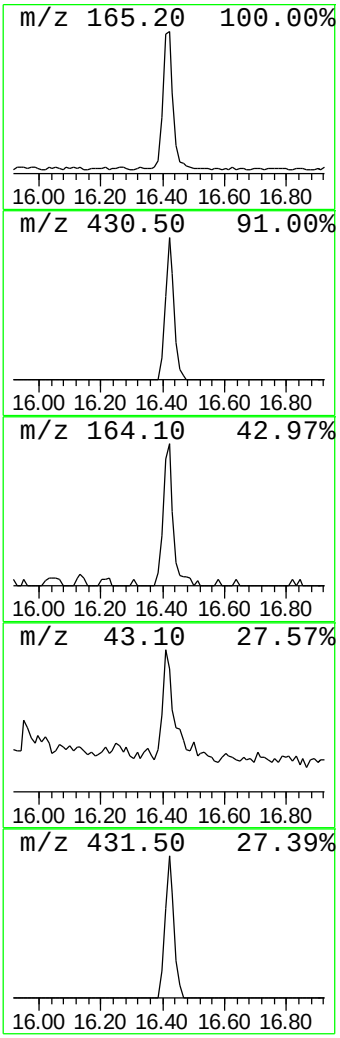
Peak Number 13 Vitamin E Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	4.41 ng	294162	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	010191-41-0	96
2	Vitamin E acetate	472	C31H52O3	000058-95-7	96
3	Vitamin E	430	C29H50O2	000059-02-9	95
4	D,.alpha.-Tocopherol	430	C29H50O2	1000128-08-6	93
5	Vitamin E acetate	472	C31H52O3	007695-91-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
Data File : BF086234.D
Acq On : 15 Apr 2016 23:35
Operator : UM/SJ
Sample : H2402-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GW-WASTE-CHARACTERIZATION-

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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
Propane, 1,1-dime...	2.16	4.5	ng	417409	1	6.90	1864190	20.0
2-Pentanone, 4-hy...	5.08	2.5	ng	231667	1	6.90	1864190	20.0
Ethanol, 2-butoxy-	5.84	4.9	ng	457053	1	6.90	1864190	20.0
unknown6.66	6.66	66.4	ng	6187910	1	6.90	1864190	20.0
Hexanoic acid, 3,...	7.70	6.0	ng	741877	2	8.18	2480930	20.0
Phenol, 2-methyl-...	8.73	13.7	ng	1695200	2	8.18	2480930	20.0
n-Hexadecanoic acid	11.95	3.7	ng	452165	4	11.41	2433330	20.0
Pentadecanoic acid	12.73	3.8	ng	314922	5	14.04	1659260	20.0
1-Nonadecene	13.89	2.7	ng	222034	5	14.04	1659260	20.0
Vitamin E	16.42	4.4	ng	294162	6	15.48	1334400	20.0