LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102416\
Data File : BF090803.D
Acq On : 24 Oct 2016 22:24
Operator : UM/SJ
Sample : H5393-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : END-EAST-DIESEL

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	232	235	247	rBV	799647	1228013	22.59%	2.775%
2	5.446	269	272	274	rBV	4692007	5154567	94.84%	11.649%
3	6.474	359	362	365	rBV	3761898	4969548	91.44%	11.231%
4	6.600	371	373	376	rBV	3961381	5434970	100.00%	12.283%
5	6.829	391	393	396	rBV	627822	931527	17.14%	2.105%
6	6.989	405	407	410	rBV	4000539	3955971	72.79%	8.940%
7	7.400	440	443	450	rBV	2906776	3173653	58.39%	7.172%
8	7.503	450	452	460	rVB	74627	144524	2.66%	0.327%
9	8.120	504	506	508	rBV	1564952	1373285	25.27%	3.104%
10	9.195	598	600	603	rBV	4086393	5429575	99.90%	12.270%
11	9.595	633	635	637	rBV	1139653	983712	18.10%	2.223%
12	9.869	657	659	662	rBV	1131484	1340683	24.67%	3.030%
13	10.669	726	729	731	rBV	2475224	2921963	53.76%	6.603%
14	10.783	737	739	746	rVB	105205	130843	2.41%	0.296%
15	11.229	776	778	780	rBV	53501	54513	1.00%	0.123%
16	11.355	787	789	792	rBV	1017293	1059208	19.49%	2.394%
17	12.944	926	928	931	rBV	3504742	3660988	67.36%	8.274%
18	13.435	968	971	976	rBV2	58993	187614	3.45%	0.424%
19	13.847	1005	1007	1013	rBV	172596	224589	4.13%	0.508%
20	13.995	1017	1020	1028	rBV	908309	936654	17.23%	2.117%
21	14.098	1028	1029	1034	rBV2	33492	67885	1.25%	0.153%
22	14.841	1092	1094	1097	rVB	73463	80972	1.49%	0.183%
23	15.424	1142	1145	1148	rBV	642988	804159	14.80%	1.817%

Sum of corrected areas: 44249416

LSC Report - Integrated Chromatogram

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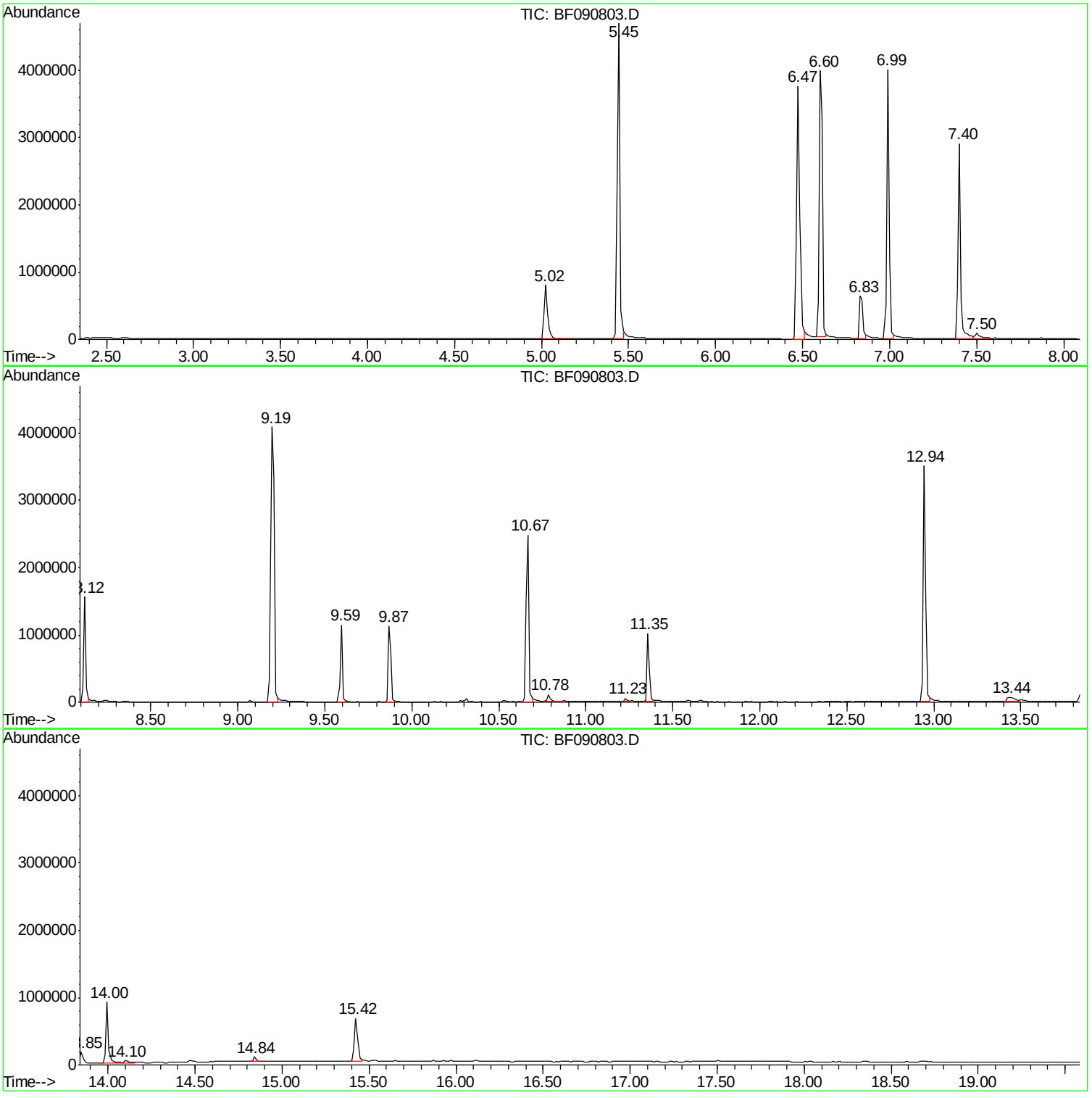
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : END-EAST-DIESEL

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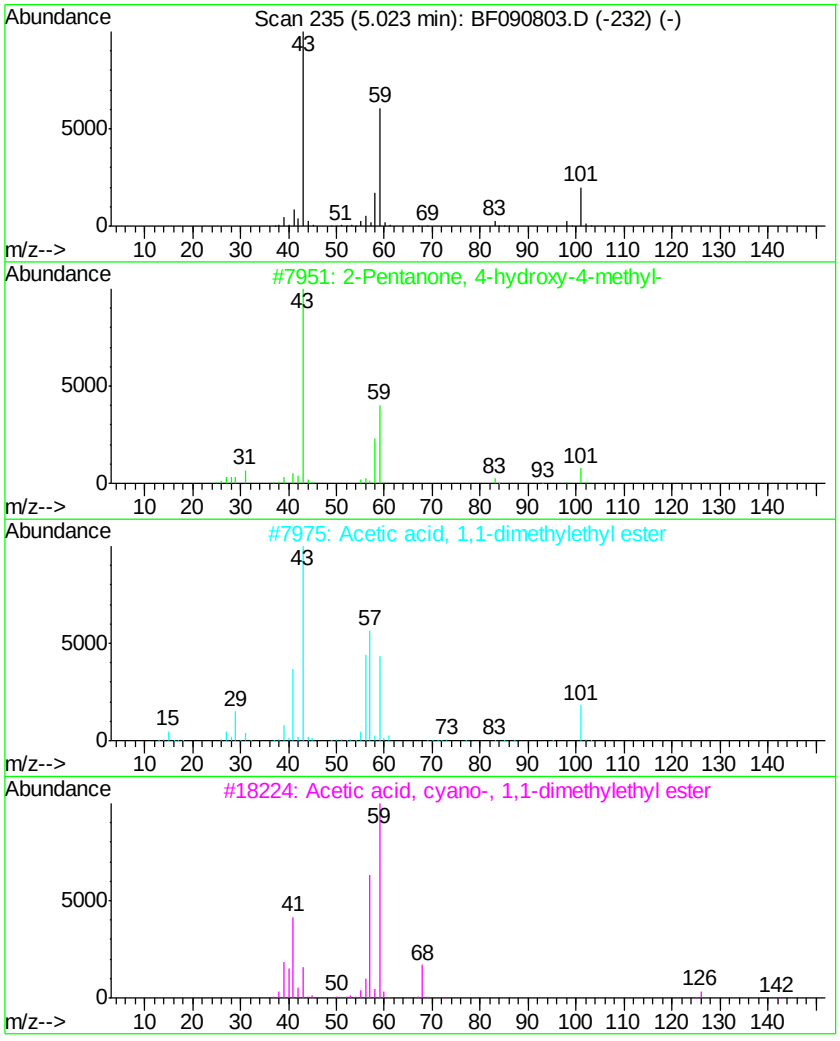
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

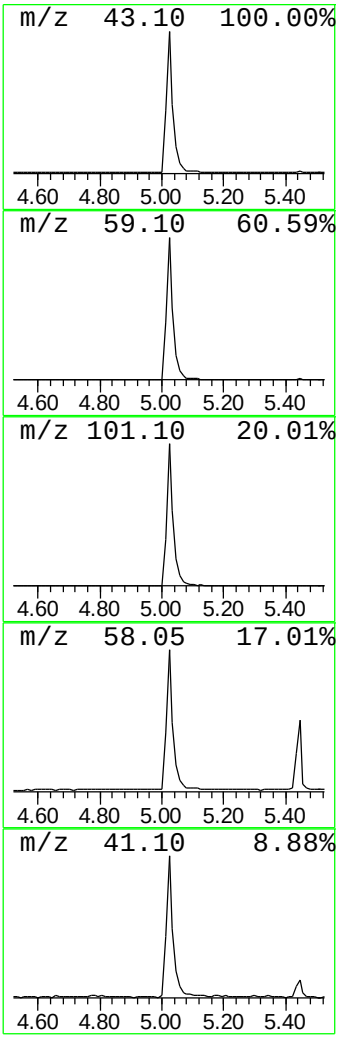
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	26.37 ng	1228010	1,4-Dichlorobenzene-d4	6.84

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : END-EAST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
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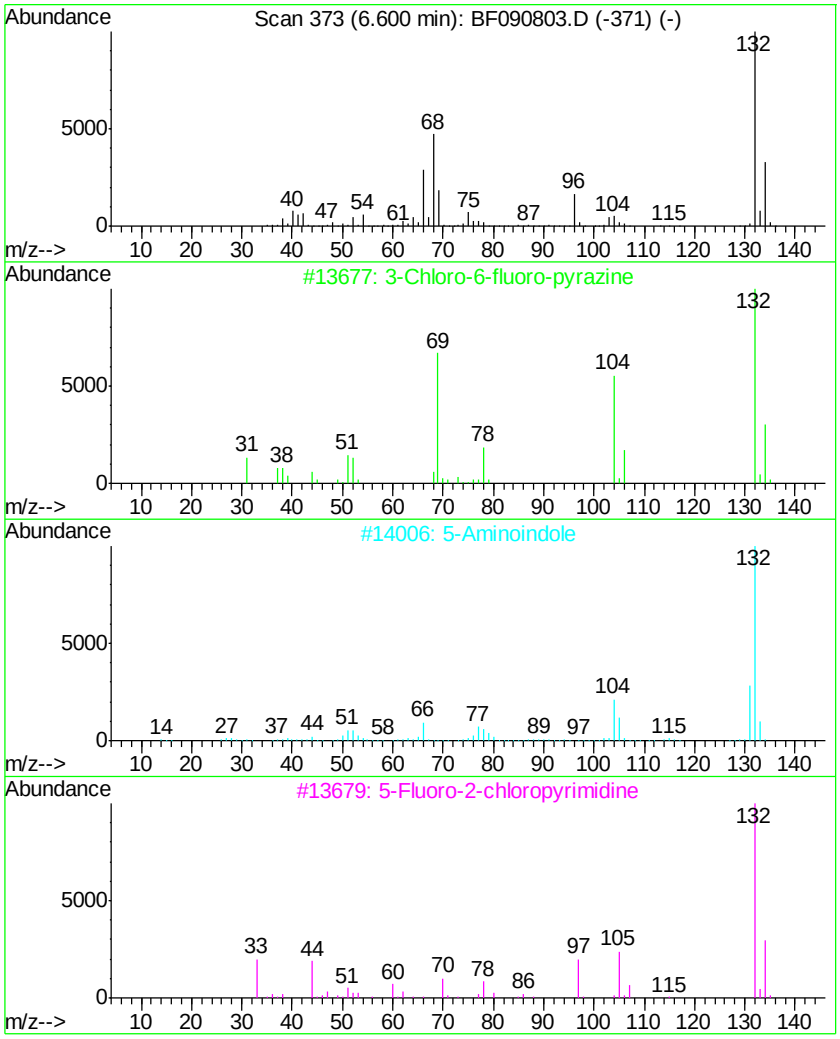
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

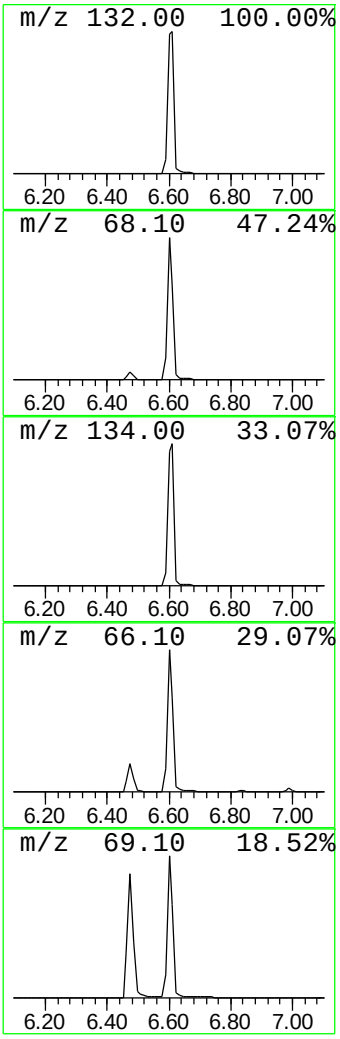
****

Peak Number 2 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	116.69 ng	5434970	1,4-Dichlorobenzene-d4	6.84

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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Instrument : BNA_F
ClientSampleId : END-EAST-DIESEL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
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TIC Library : C:\DATABASE\NIST02.L
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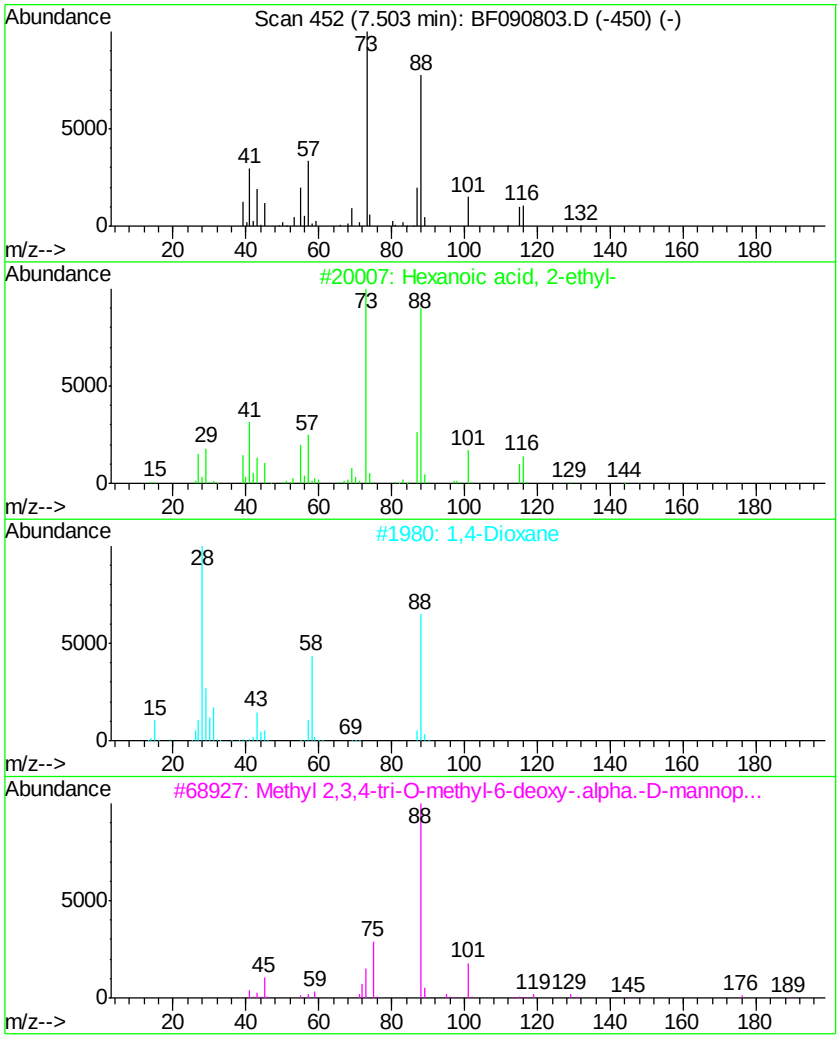
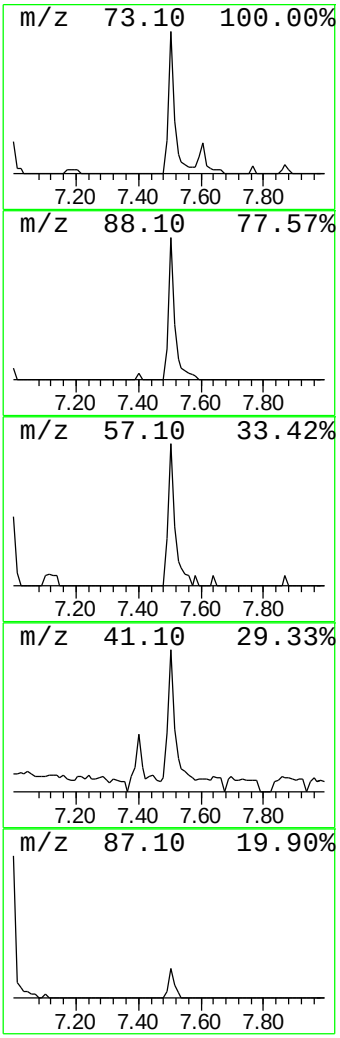
****

Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	2.10 ng	144524	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	83
2	1,4-Dioxane	88	C4H8O2	000123-91-1	37
3	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	33
4	Hexanamide, 6-(heptyloxy)-	229	C13H27NO2	055191-08-7	33
5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	10





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Sample : H5393-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : END-EAST-DIESEL

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

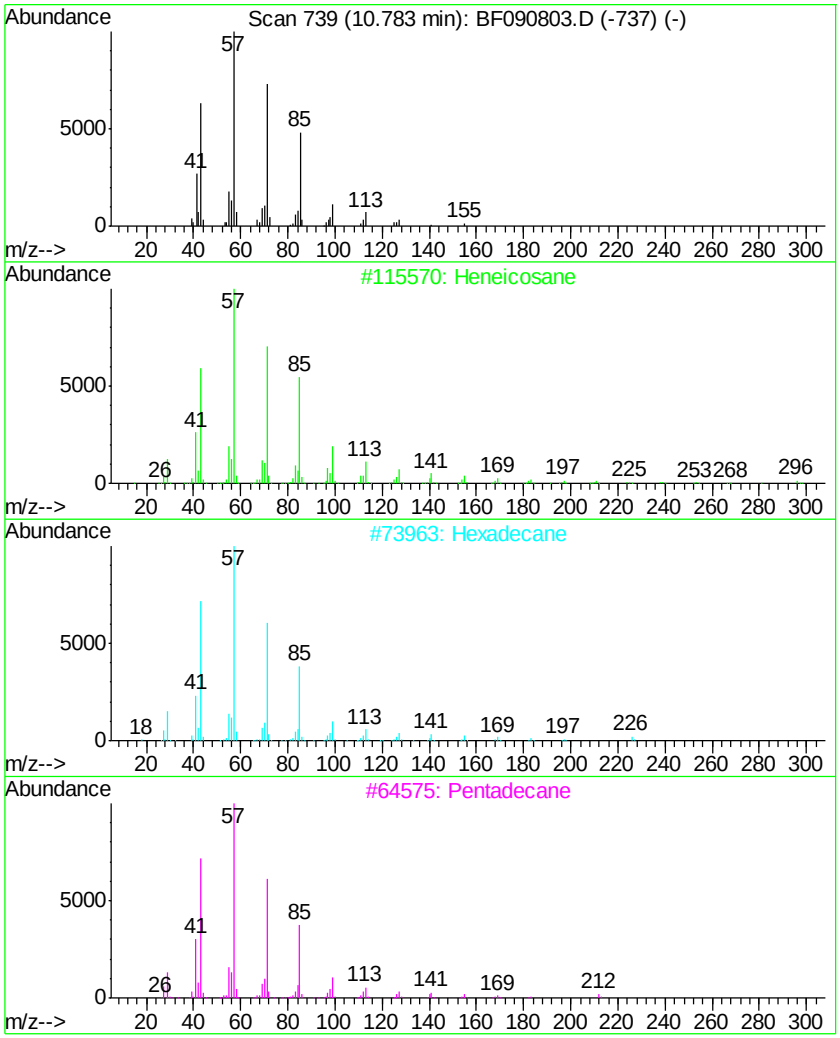
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

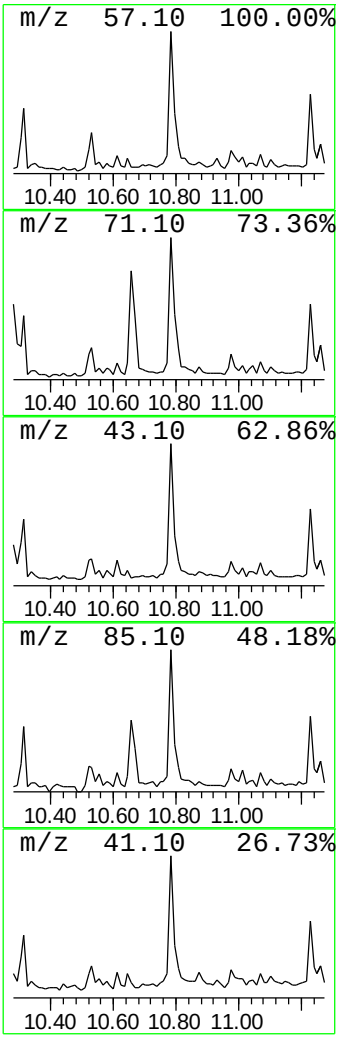
****

Peak Number 5 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.47 ng	130843	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
5	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	72





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : END-EAST-DIESEL

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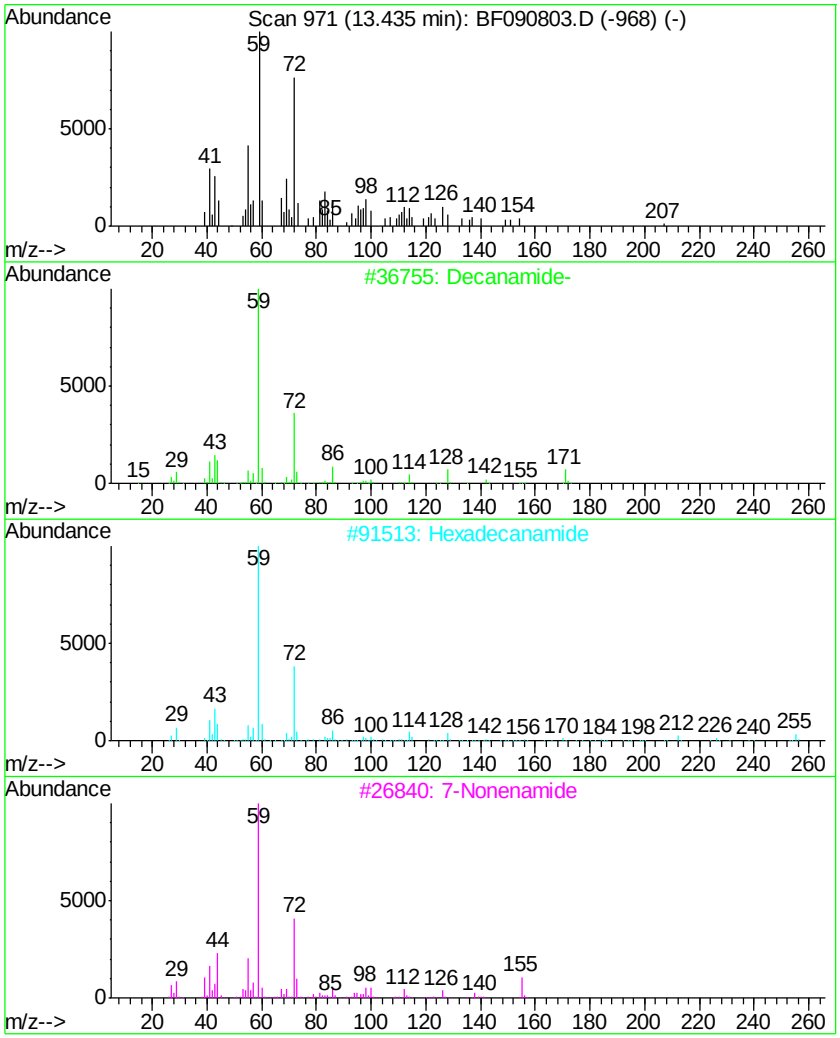
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

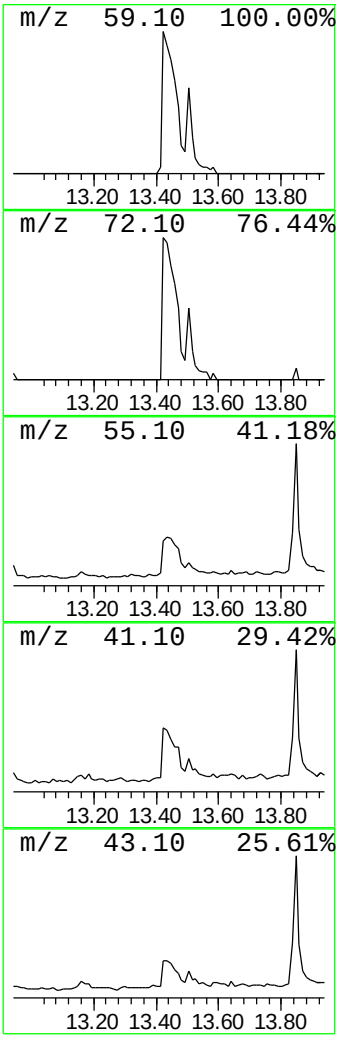
****

Peak Number 6 Decanamide- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	4.01 ng	187614	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanamide-	171	C10H21NO	002319-29-1	59
2	Hexadecanamide	255	C16H33NO	000629-54-9	50
3	7-Nonenamide	155	C9H17NO	090949-53-4	40
4	Octanamide	143	C8H17NO	000629-01-6	37
5	Dodecanamide	199	C12H25NO	001120-16-7	35





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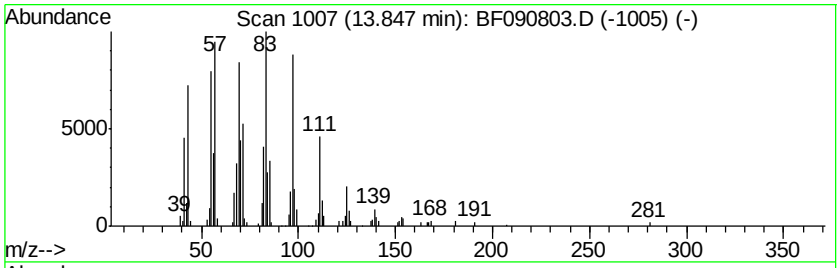
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

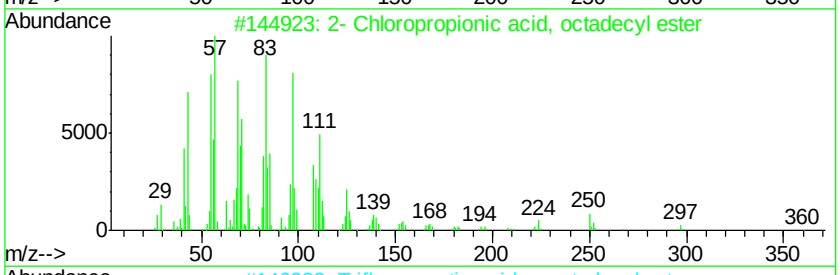
****

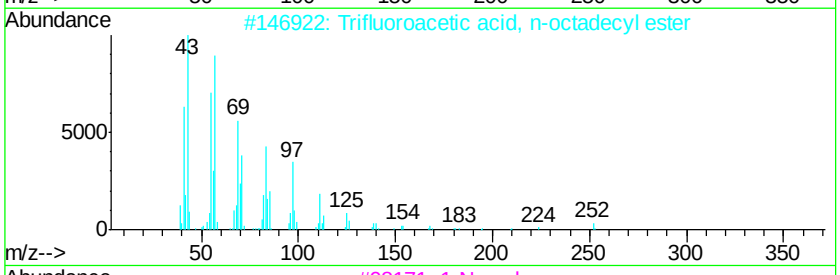
Peak Number 7 2- Chloropropionic acid, oc... Concentration Rank 4

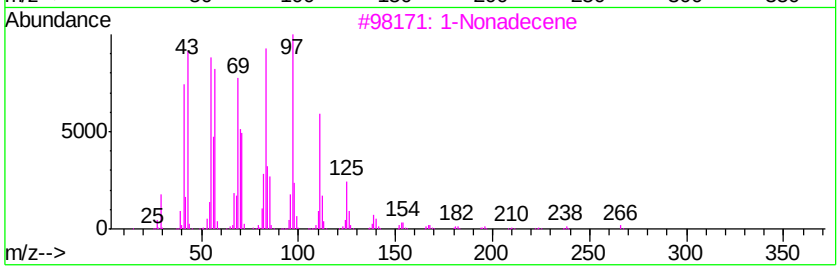
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	4.80 ng	224589	Chrysene-d12	14.00

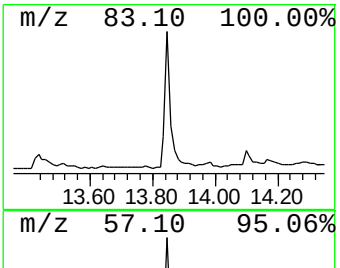
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	91

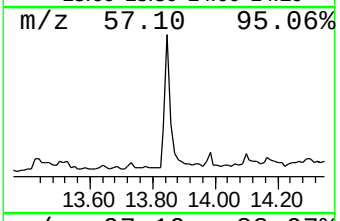


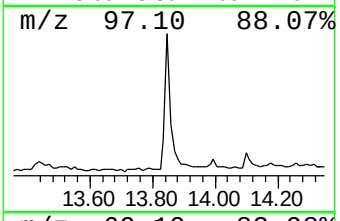


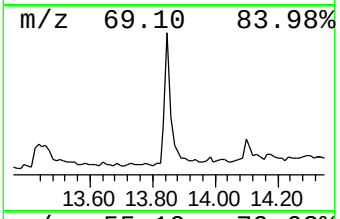


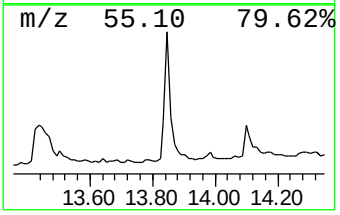












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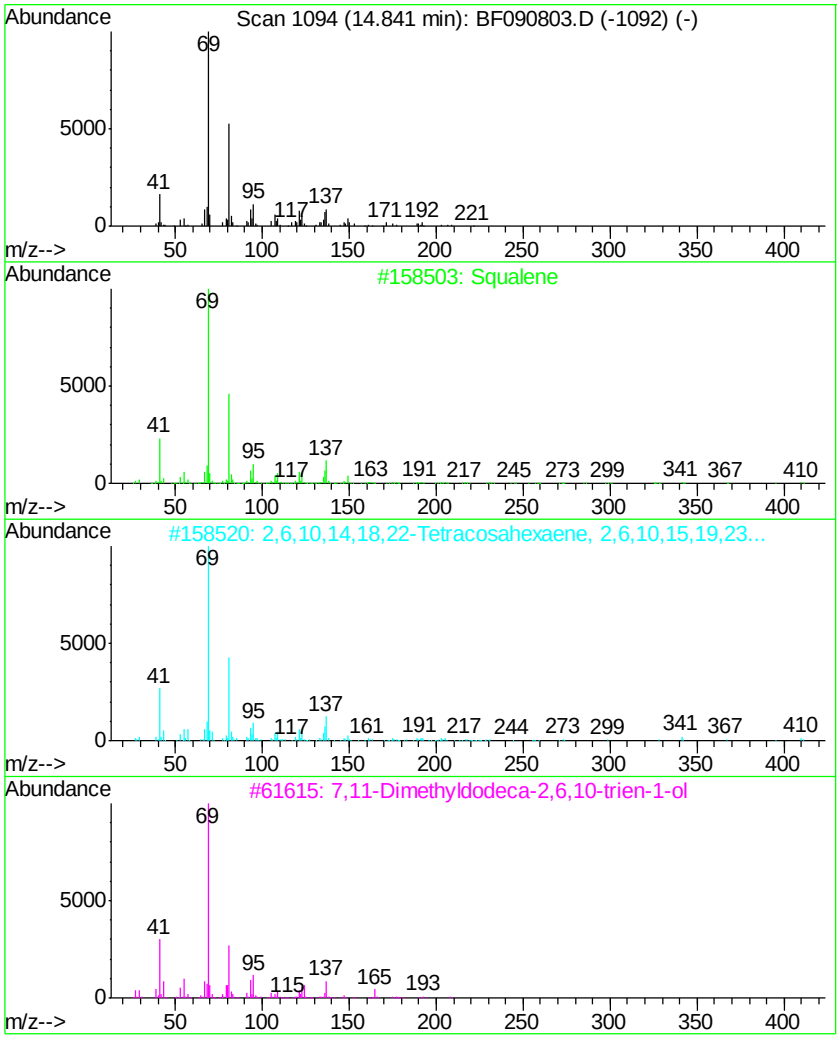
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

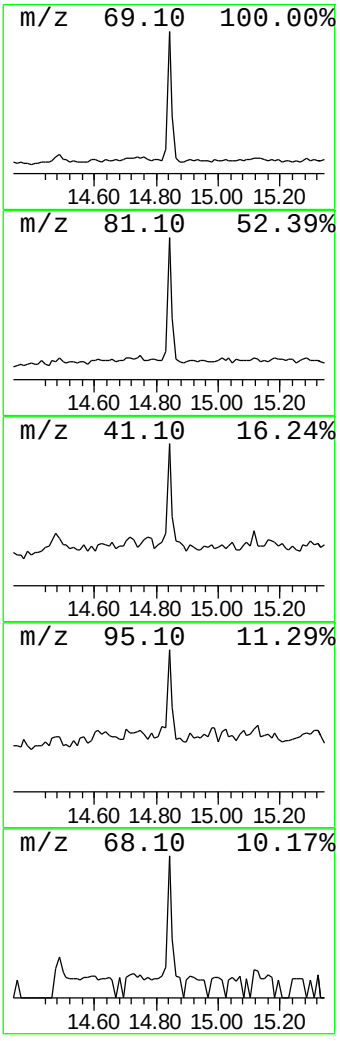
****

Peak Number 8 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.01 ng	80972	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	78
3	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	78
4	3,7,11-Tridecatrienenitrile, 4,8...	231	C16H25N	006006-01-5	72
5	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72





Tentatively Identified Compound (LSC) summary

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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	26.4	ng	1228010	1	6.84	931527	20.0
unknown6.60	6.60	116.7	ng	5434970	1	6.84	931527	20.0
Hexanoic acid, 2-...	7.50	2.1	ng	144524	2	8.12	1373290	20.0
Heneicosane	10.78	2.5	ng	130843	4	11.35	1059210	20.0
Decanamide-	13.44	4.0	ng	187614	5	14.00	936654	20.0
2- Chloropropioni...	13.85	4.8	ng	224589	5	14.00	936654	20.0
Squalene	14.84	2.0	ng	80972	6	15.42	804159	20.0