LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085694.D
Acq On : 23 Mar 2016 8:47
Operator : UM/SJ
Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(11-13)

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-BF031816.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	2.344	3	5	8	rVB	283084	367358	3.51%	0.872%
2	4.516	189	195	198	rBV	4353888	10461266	100.00%	24.833%
3	5.019	237	239	251	rVB	286346	495799	4.74%	1.177%
4	5.441	273	276	278	rBV	2787891	3665697	35.04%	8.702%
5	6.470	363	366	369	rBV	2607477	3249262	31.06%	7.713%
6	6.607	375	378	380	rBV	2708493	3729850	35.65%	8.854%
7	6.836	395	398	400	rBV	553415	751102	7.18%	1.783%
8	6.985	409	411	414	rBV	2391709	2533124	24.21%	6.013%
9	7.396	444	447	450	rBV	1938662	2312739	22.11%	5.490%
10	8.116	507	510	512	rBV	1295249	1091459	10.43%	2.591%
11	9.190	601	604	607	rBV	2940340	3143876	30.05%	7.463%
12	9.590	637	639	641	rBV	694341	703666	6.73%	1.670%
13	9.808	654	658	660	rBV	68925	106472	1.02%	0.253%
14	9.865	661	663	666	rVB	1073359	1107450	10.59%	2.629%
15	10.299	699	701	703	rVB	155275	138559	1.32%	0.329%
16	10.516	718	720	724	rBV	85151	151970	1.45%	0.361%
17	10.665	729	733	735	rBV2	1612464	2414882	23.08%	5.732%
18	10.779	741	743	747	rBV	132454	264147	2.53%	0.627%
19	11.351	791	793	795	rBV	1213267	1064707	10.18%	2.527%
20	11.876	838	839	845	rBV3	159307	245436	2.35%	0.583%
21	12.928	929	931	934	rBV	1700671	2338811	22.36%	5.552%
22	13.831	1007	1010	1014	rBV	197833	294948	2.82%	0.700%
23	13.979	1021	1023	1026	rVB	731622	661281	6.32%	1.570%
24	14.608	1076	1078	1081	rVB	252666	221448	2.12%	0.526%
25	15.397	1145	1147	1150	rBV	491557	611221	5.84%	1.451%

Sum of corrected areas: 42126530

LSC Report - Integrated Chromatogram

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Data File : BF085694.D
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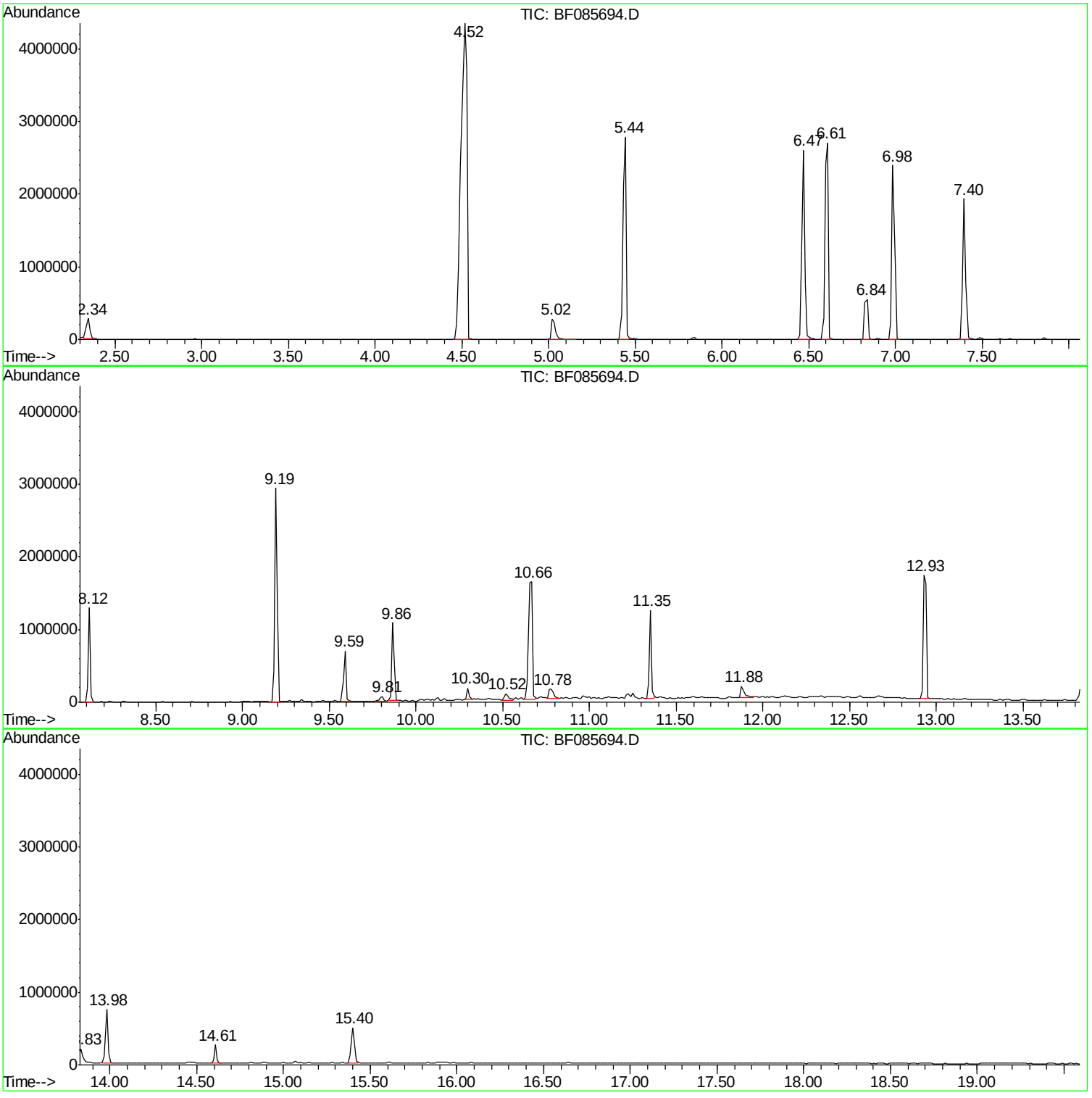
Operator : UM/SJ
Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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\BF032216\
Data File : BF085694.D
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Operator : UM/SJ
Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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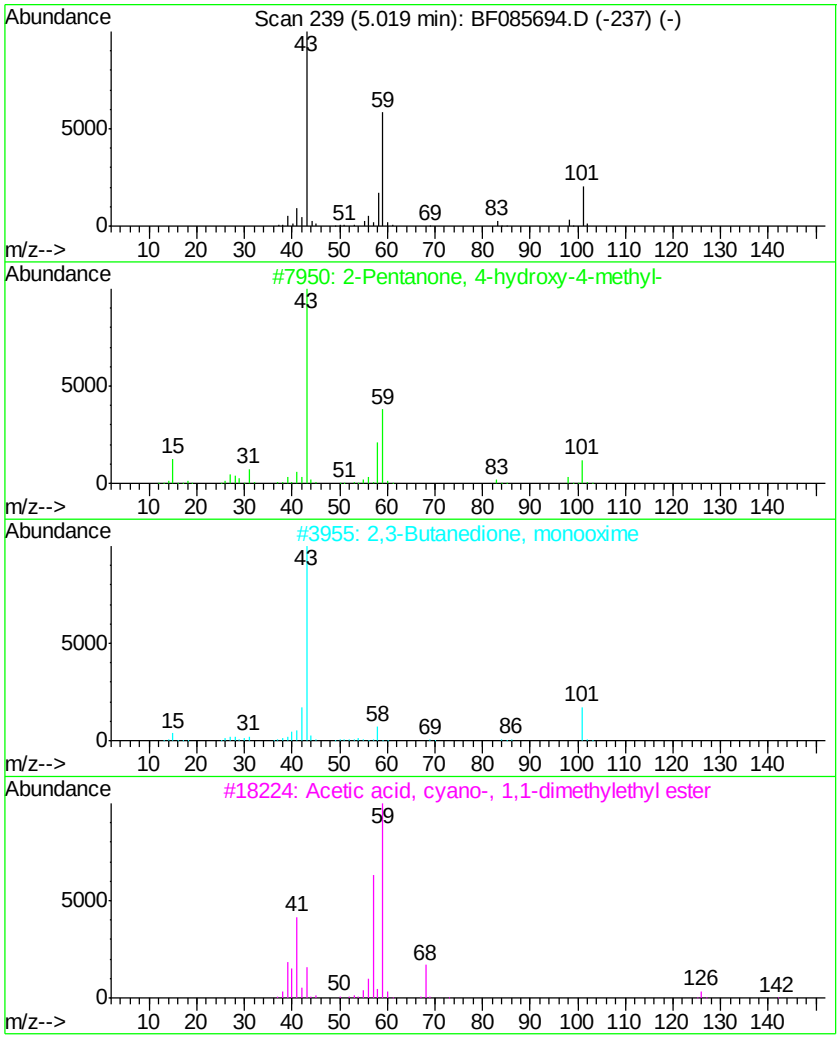
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

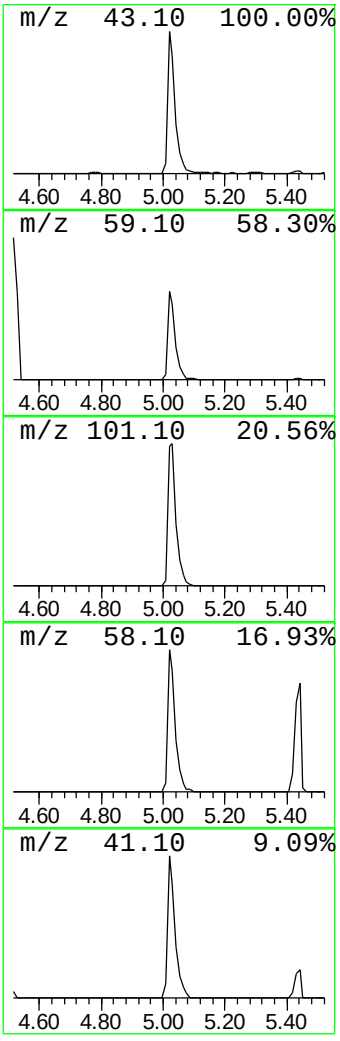
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	13.20 ng	495799	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	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





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Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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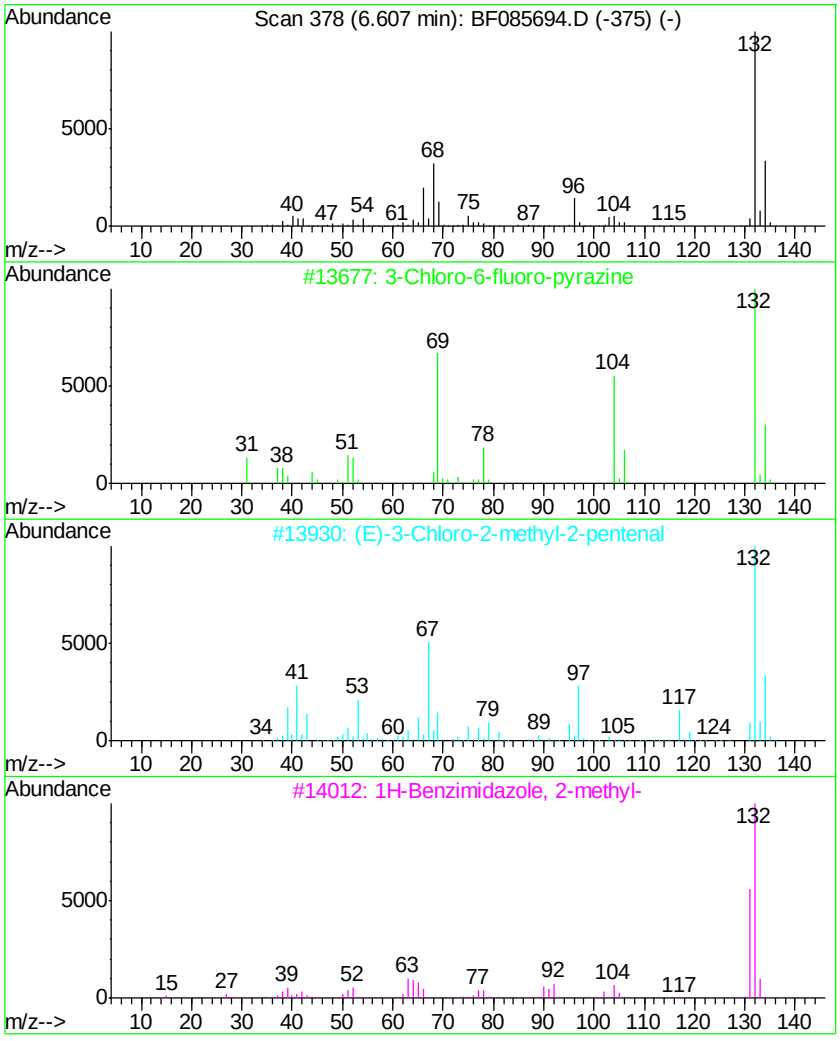
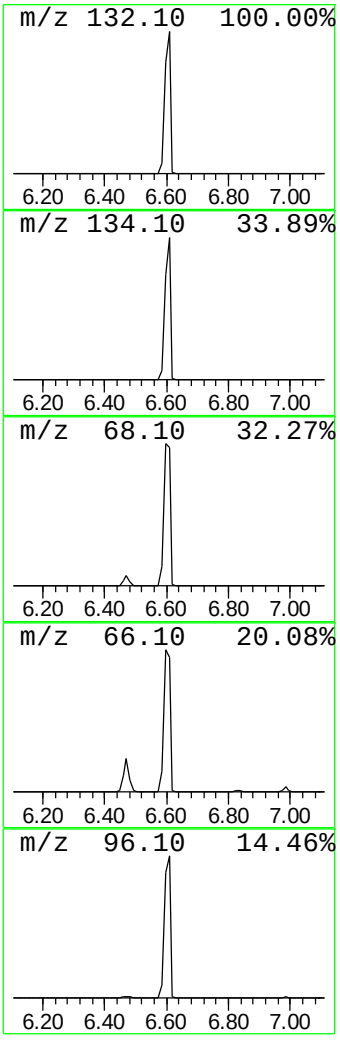
Peak Number 4 unknown6.61 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	99.32 ng	3729850	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	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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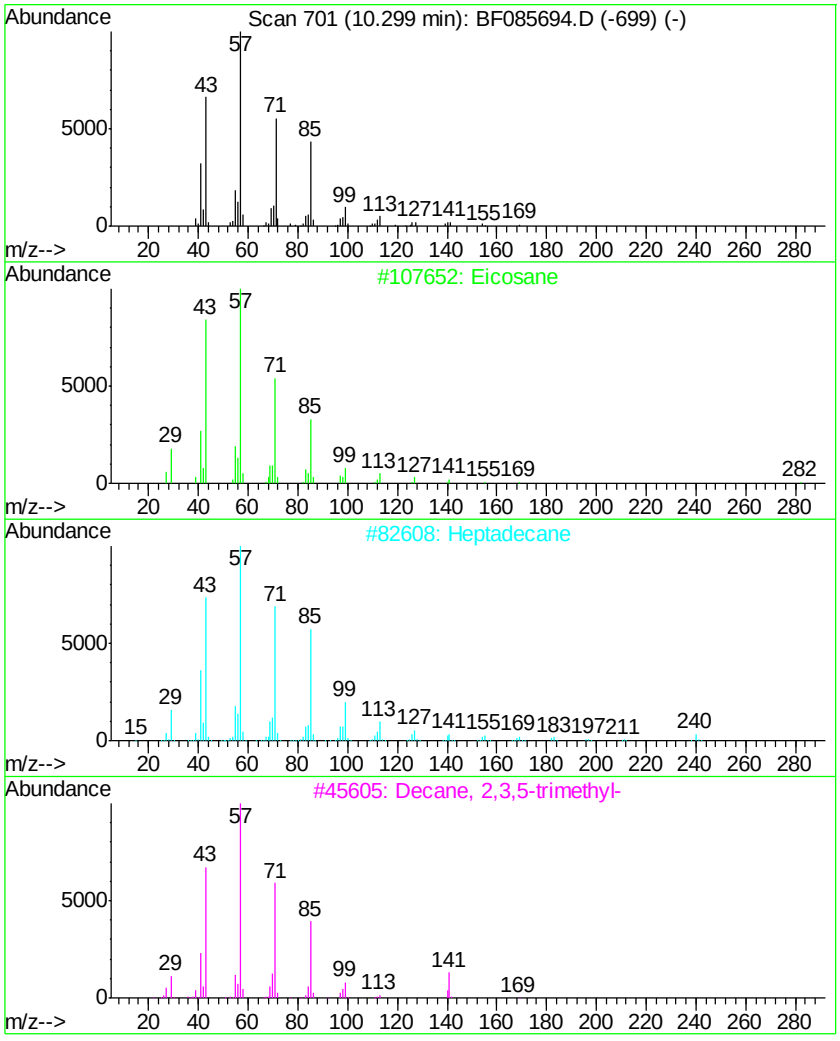
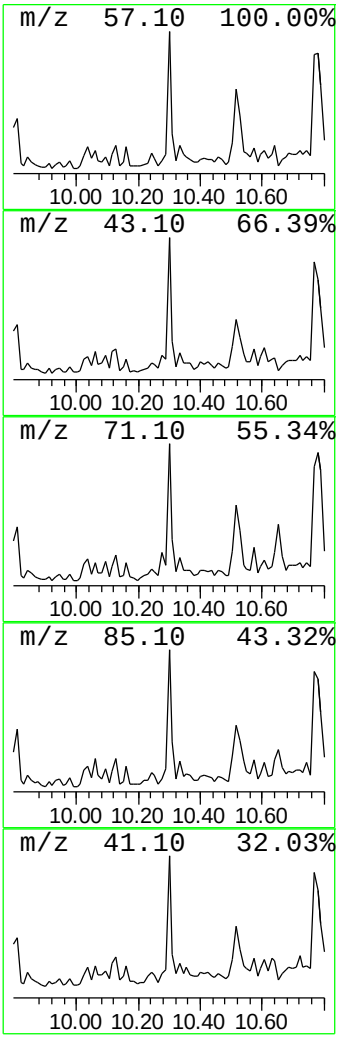
****

Peak Number 6 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.50 ng	138559	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4	Tridecane	184	C13H28	000629-50-5	83
5	Tetradecane	198	C14H30	000629-59-4	80





Library Search Compound Report

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Sample : H1857-07
Misc :
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Instrument :
BNA_F
ClientSampleId :
SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

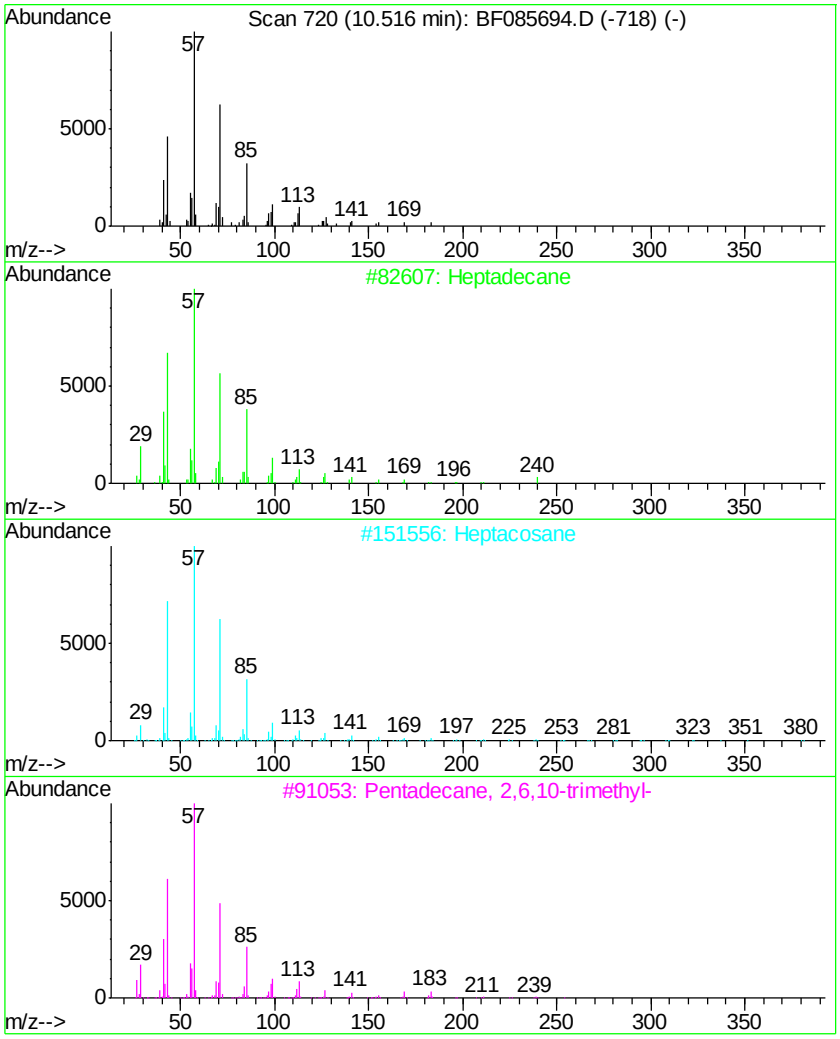
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

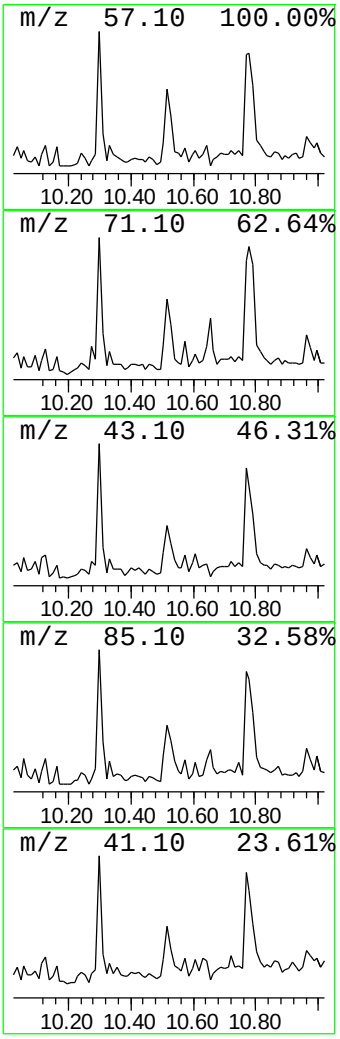
****

Peak Number 7 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	2.74 ng	151970	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heptacosane	380	C27H56	000593-49-7	90
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
4	Eicosane	282	C20H42	000112-95-8	87
5	Pentadecane	212	C15H32	000629-62-9	86





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Acq On : 23 Mar 2016 8:47
Operator : UM/SJ
Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

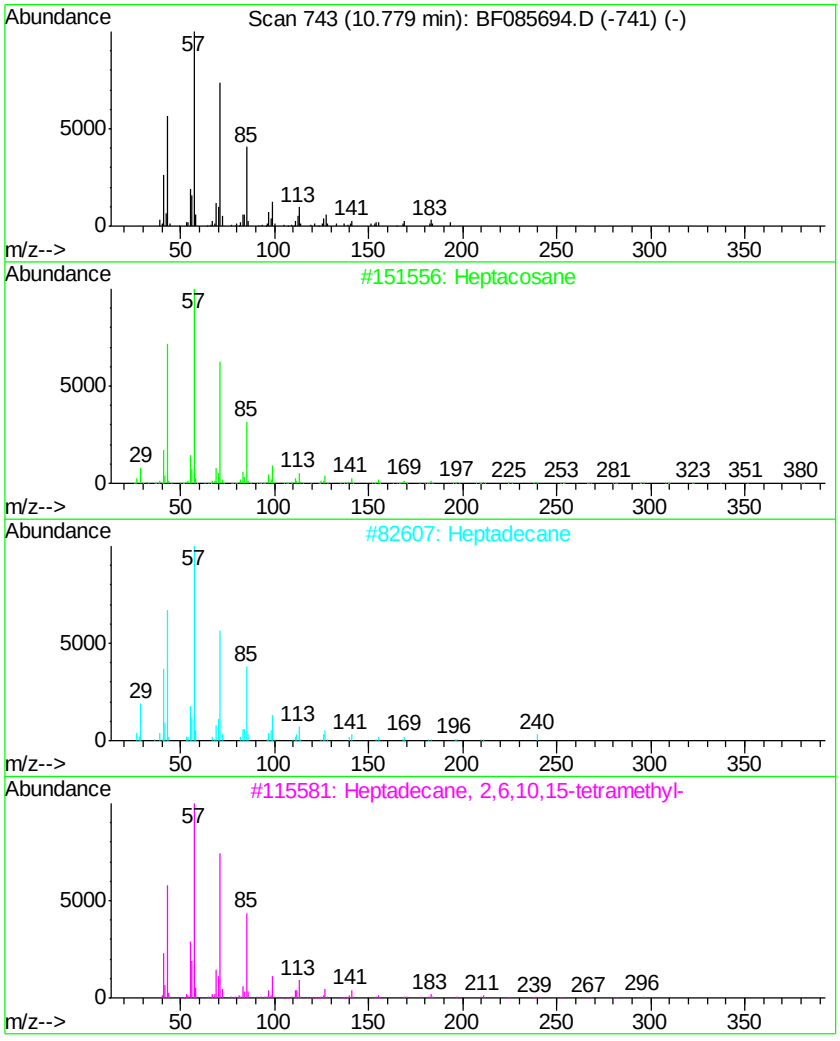
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

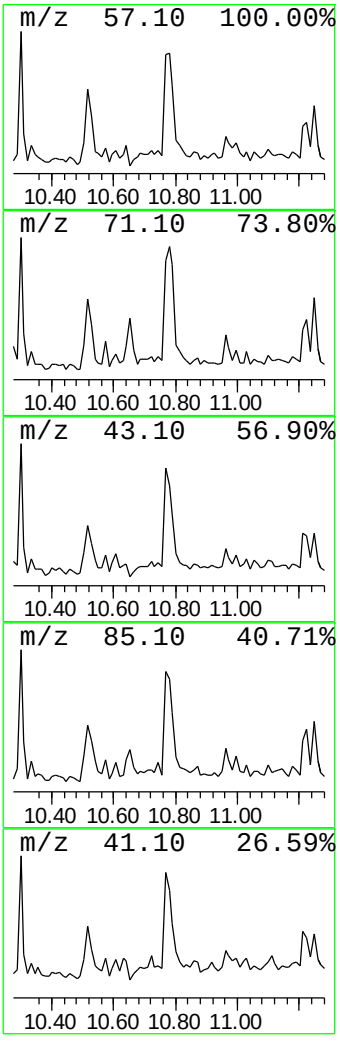
****

Peak Number 8 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	4.96 ng	264147	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Pentadecane	212	C15H32	000629-62-9	90
5	Tetratetracontane	619	C44H90	007098-22-8	86





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Data File : BF085694.D
Acq On : 23 Mar 2016 8:47
Operator : UM/SJ
Sample : H1857-07
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(11-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

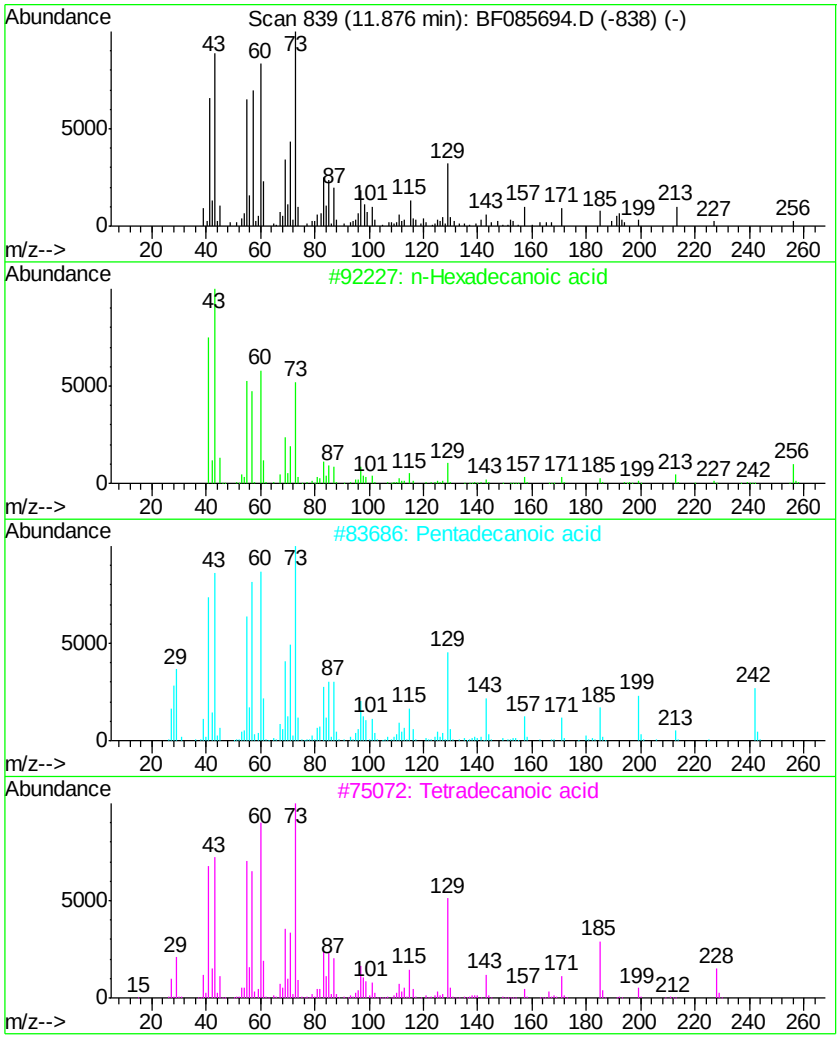
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

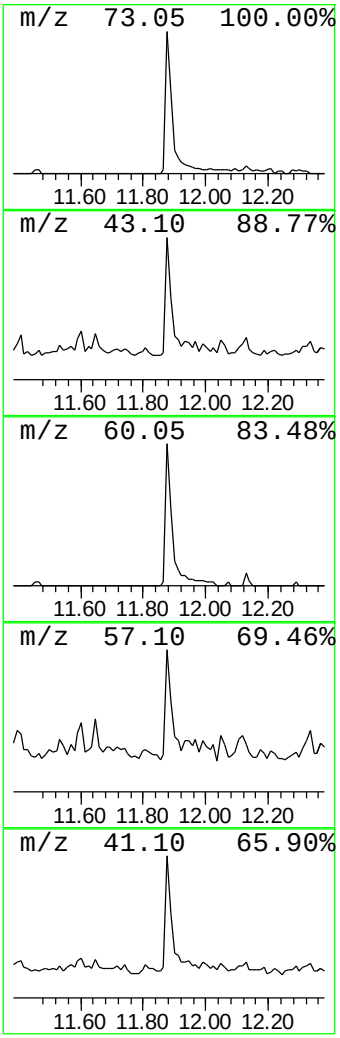
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.61 ng	245436	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	59





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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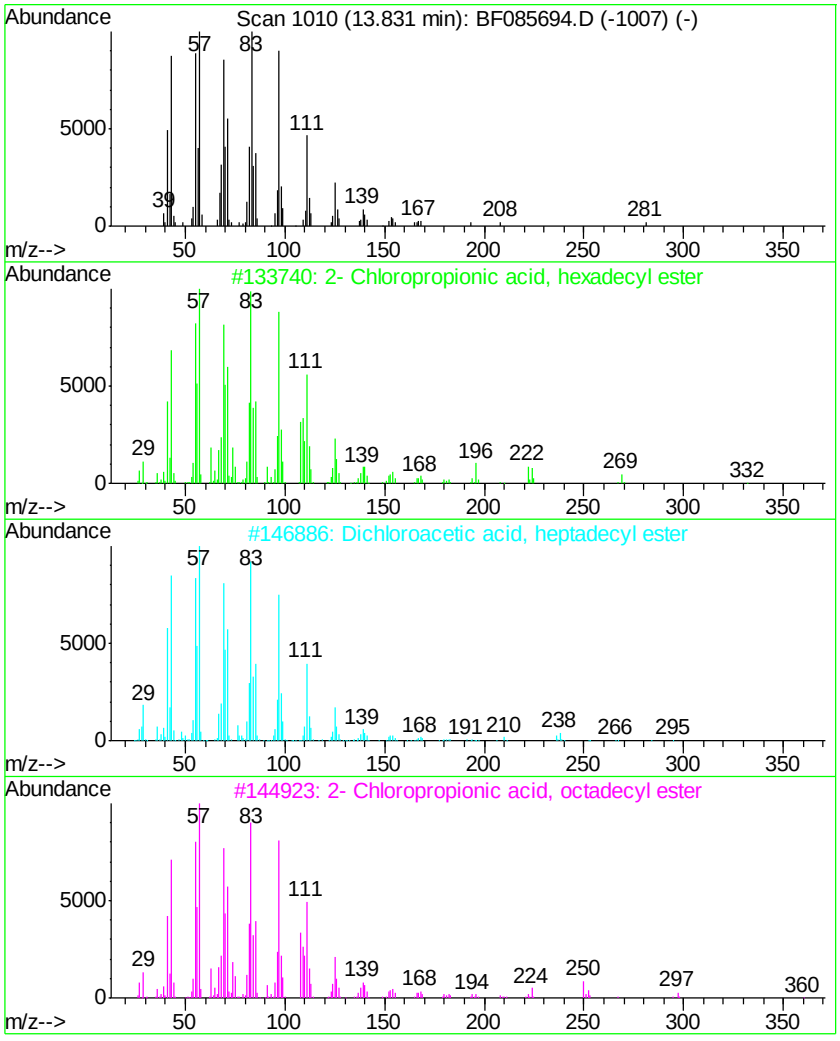
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

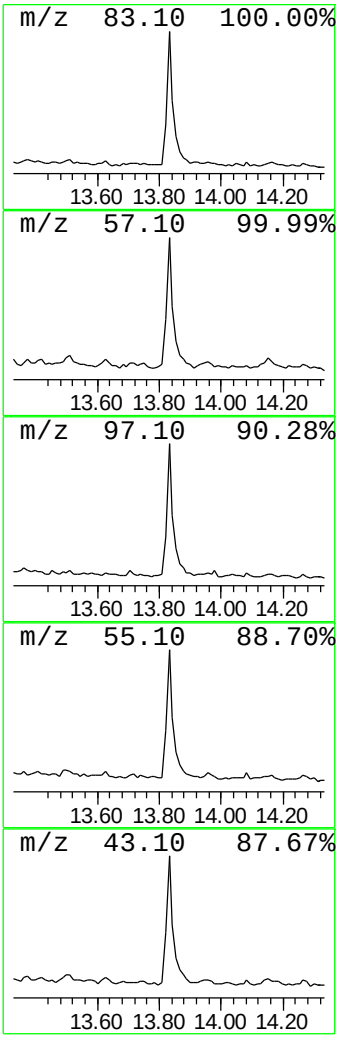
****

Peak Number 10 2- Chloropropionic acid, he... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	8.92 ng	294948	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	93
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
5	1-Nonadecene	266	C19H38	018435-45-5	91





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TIC Library : C:\DATABASE\NIST02.L
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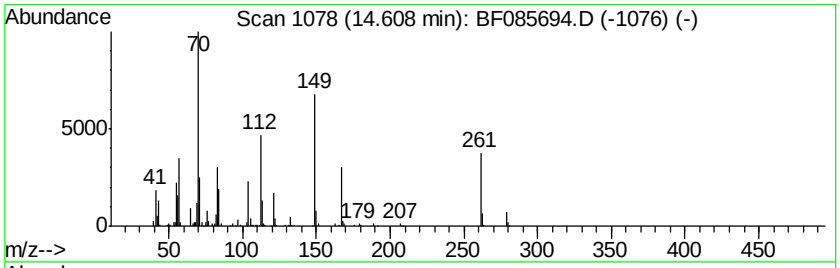
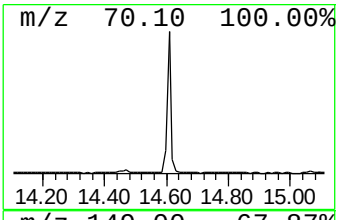
****

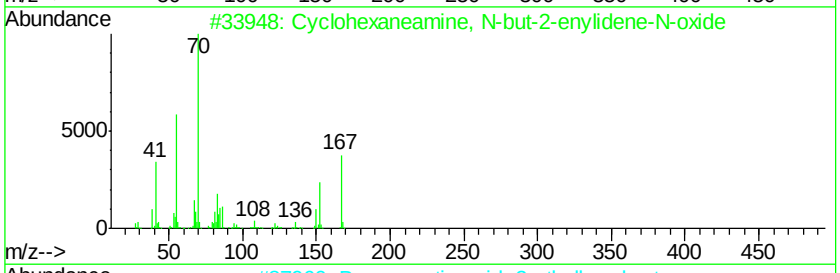
Peak Number 11 unknown14.61 Concentration Rank 7

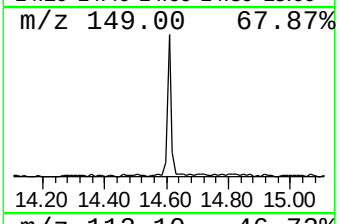
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	6.70 ng	221448	Chrysene-d12	13.98

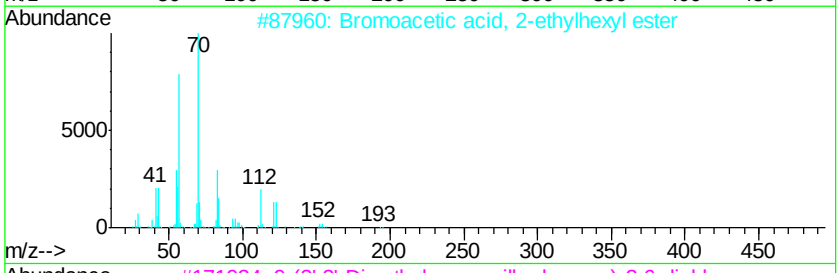
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexaneamine, N-but-2-enylid...	167	C10H17NO	068048-01-1	27
2	Bromoacetic acid, 2-ethylhexyl e...	250	C10H19BrO2	068144-73-0	25
3	9-(2',2'-Dimethylpropanoilhydraz...	576	C30H42Cl2N4O3	1000111-04-6	25
4	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	25
5	1-(2-Hydroxymethylpyrrolidin-1-y...	143	C7H13NO2	1000192-83-2	23

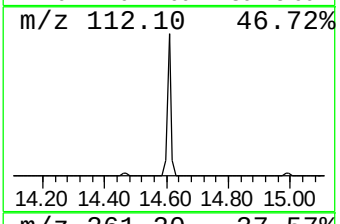


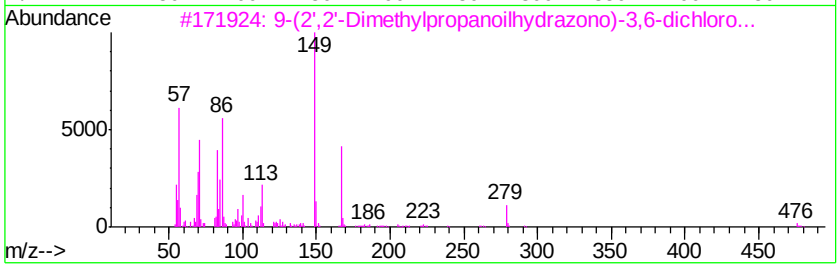


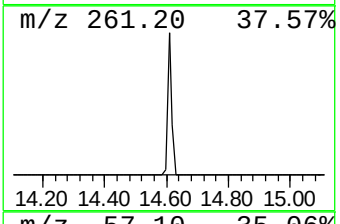


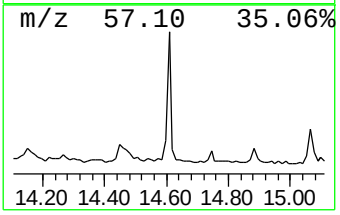












Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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	13.2	ng	495799	1	6.84	751102	20.0
unknown6.61	6.61	99.3	ng	3729850	1	6.84	751102	20.0
Eicosane	10.30	2.5	ng	138559	3	9.86	1107450	20.0
Heptadecane	10.52	2.7	ng	151970	3	9.86	1107450	20.0
Heptacosane	10.78	5.0	ng	264147	4	11.35	1064710	20.0
n-Hexadecanoic acid	11.88	4.6	ng	245436	4	11.35	1064710	20.0
2- Chloropropioni...	13.83	8.9	ng	294948	5	13.98	661281	20.0
unknown14.61	14.61	6.7	ng	221448	5	13.98	661281	20.0