LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
Data File : BF097993.D
Acq On : 23 Aug 2017 12:57
Operator : SJ/JU
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

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-BF081517.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	3.069	164	167	179	rBV	59258	117265	3.78%	0.562%
2	4.928	479	483	491	rVB	162098	222893	7.18%	1.068%
3	5.345	548	554	557	rBV	2738183	2863594	92.28%	13.723%
4	6.375	723	729	732	rBV	2672506	3103169	100.00%	14.871%
5	6.510	747	752	755	rBV	3012519	2913048	93.87%	13.960%
6	6.739	787	791	794	rBV	895298	694365	22.38%	3.328%
7	6.898	813	818	821	rBV	2464583	2247394	72.42%	10.770%
8	7.304	881	887	890	rBV	2034275	1899911	61.22%	9.105%
9	8.022	1003	1009	1013	rBV	1102709	1004131	32.36%	4.812%
10	8.092	1016	1021	1023	rVV2	70586	91731	2.96%	0.440%
11	8.192	1032	1038	1041	rBV5	51059	87444	2.82%	0.419%
12	8.263	1046	1050	1052	rBV3	50196	69268	2.23%	0.332%
13	8.322	1057	1060	1062	rVV3	111070	134363	4.33%	0.644%
14	8.345	1062	1064	1066	rVV3	94018	79222	2.55%	0.380%
15	8.375	1066	1069	1072	rVV3	98274	82731	2.67%	0.396%
16	8.410	1072	1075	1078	rBV	180682	193990	6.25%	0.930%
17	8.451	1078	1082	1083	rVV2	147809	161405	5.20%	0.773%
18	8.486	1086	1088	1091	rVB2	188297	191232	6.16%	0.916%
19	8.586	1102	1105	1107	rBV	216999	179114	5.77%	0.858%
20	8.616	1107	1110	1112	rBV2	107460	152335	4.91%	0.730%
21	9.104	1189	1193	1199	rBV	1557725	2466263	79.48%	11.819%
22	9.192	1204	1208	1213	rBV6	457321	1121277	36.13%	5.373%
23	15.310	2244	2248	2261	rVB	565460	791294	25.50%	3.792%

Sum of corrected areas: 20867439

LSC Report - Integrated Chromatogram

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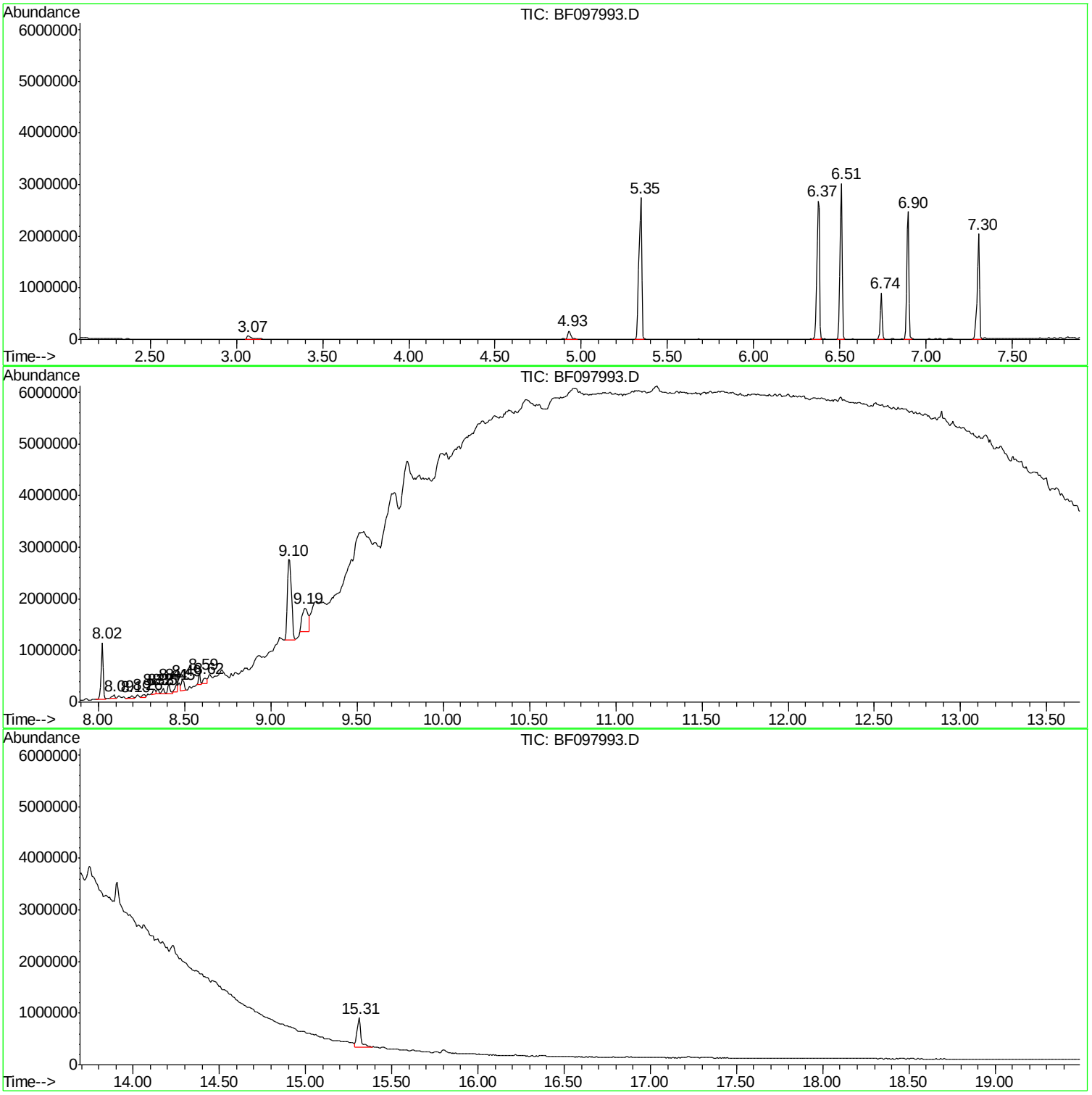
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
Data File : BF097993.D
Acq On : 23 Aug 2017 12:57
Operator : SJ/JU
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

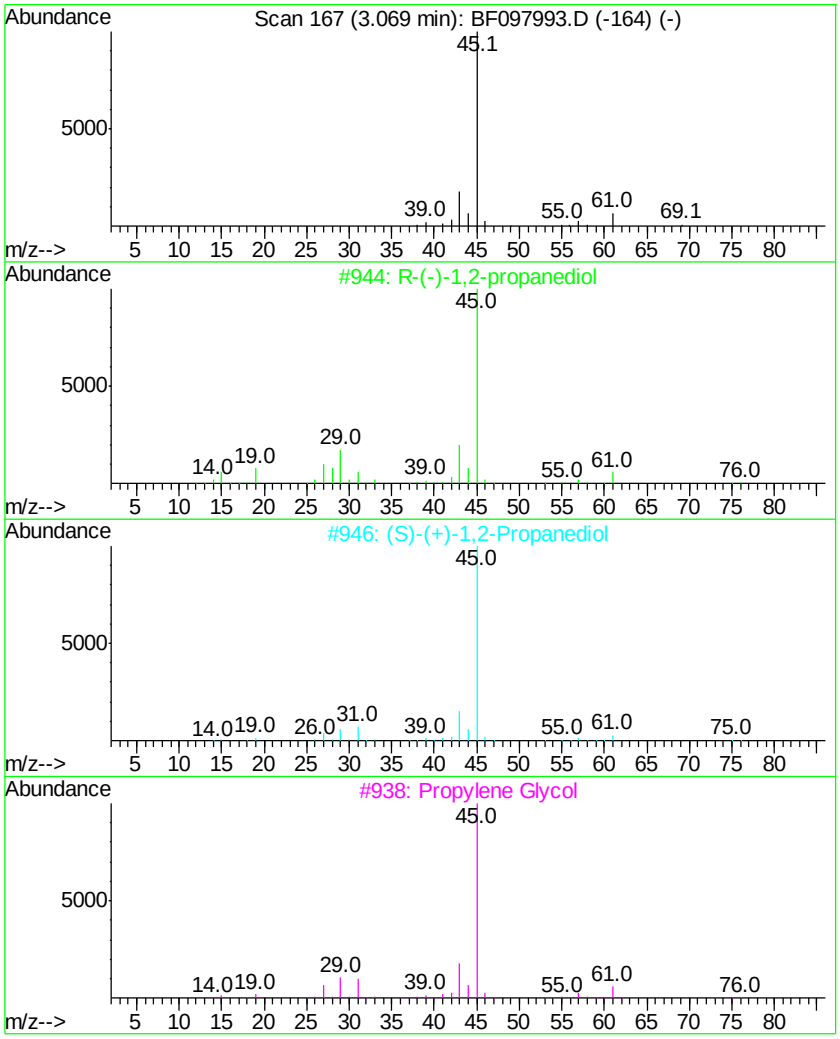
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

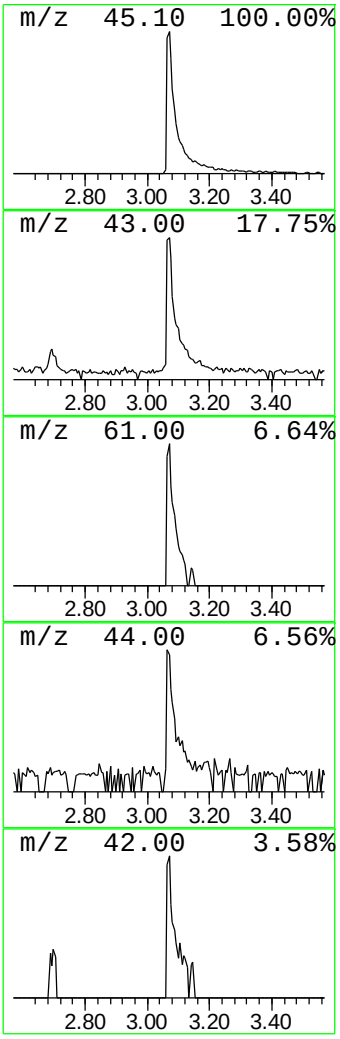
****

Peak Number 1 unknown3.07 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	3.38 ng	117265	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	43
2	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	40
3	Propylene Glycol	76	C3H8O2	000057-55-6	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Formamide	45	CH3NO	000075-12-7	7





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Acq On : 23 Aug 2017 12:57
Operator : SJ/JU
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

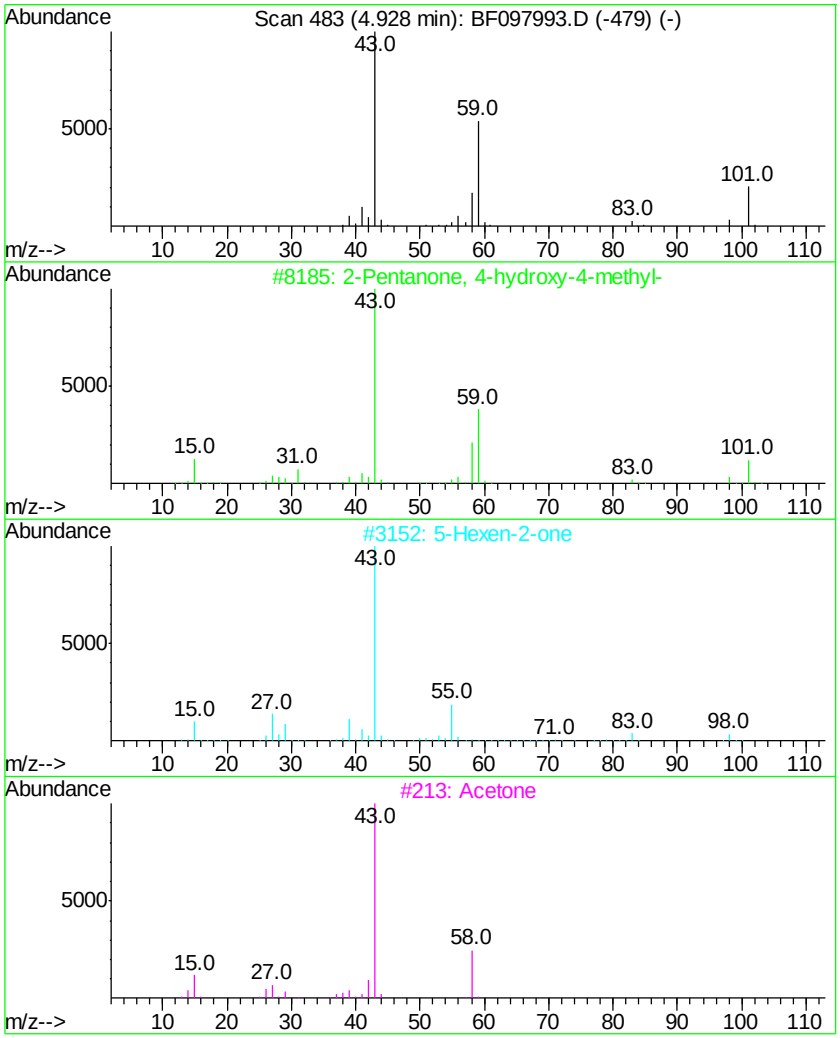
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

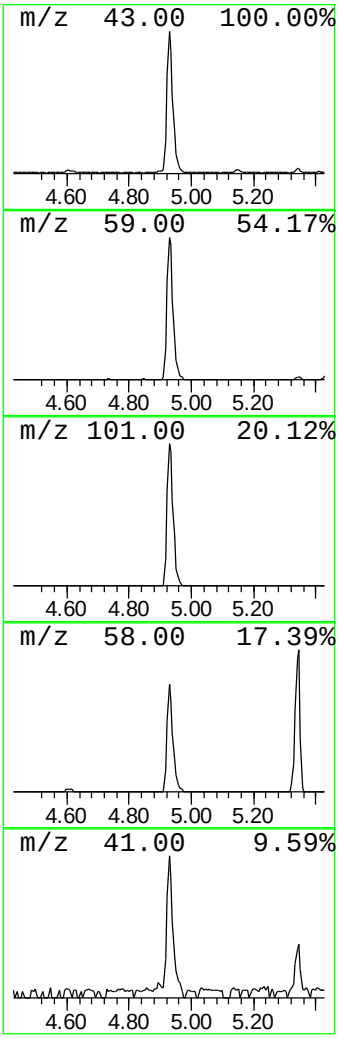
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	6.42 ng	222893	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Acetone	58	C3H6O	000067-64-1	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
Data File : BF097993.D
Acq On : 23 Aug 2017 12:57
Operator : SJ/JU
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

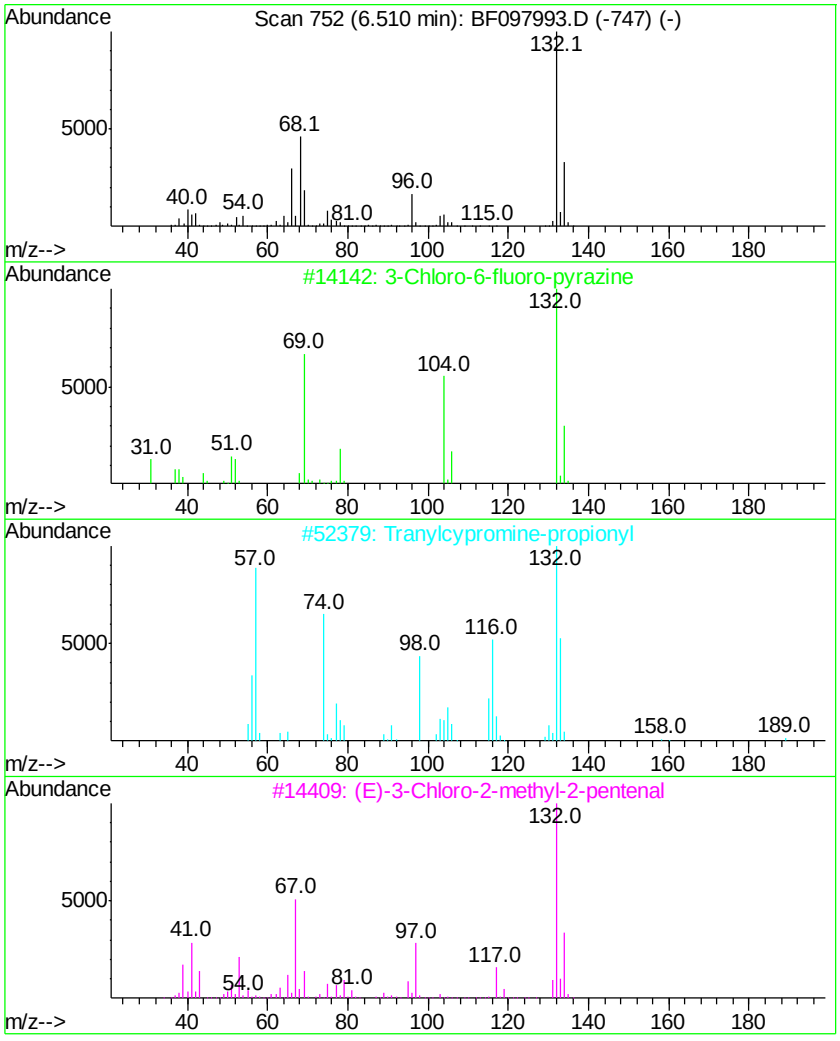
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

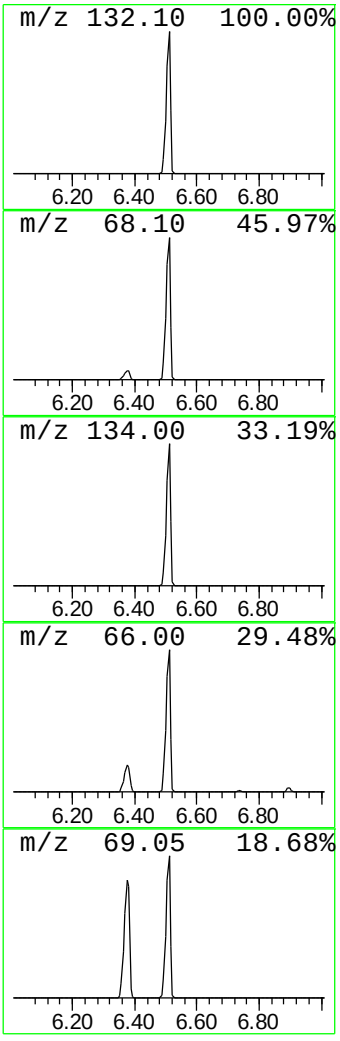
****

Peak Number 3 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	83.91 ng	2913050	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
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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Data File : BF097993.D
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Operator : SJ/JU
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

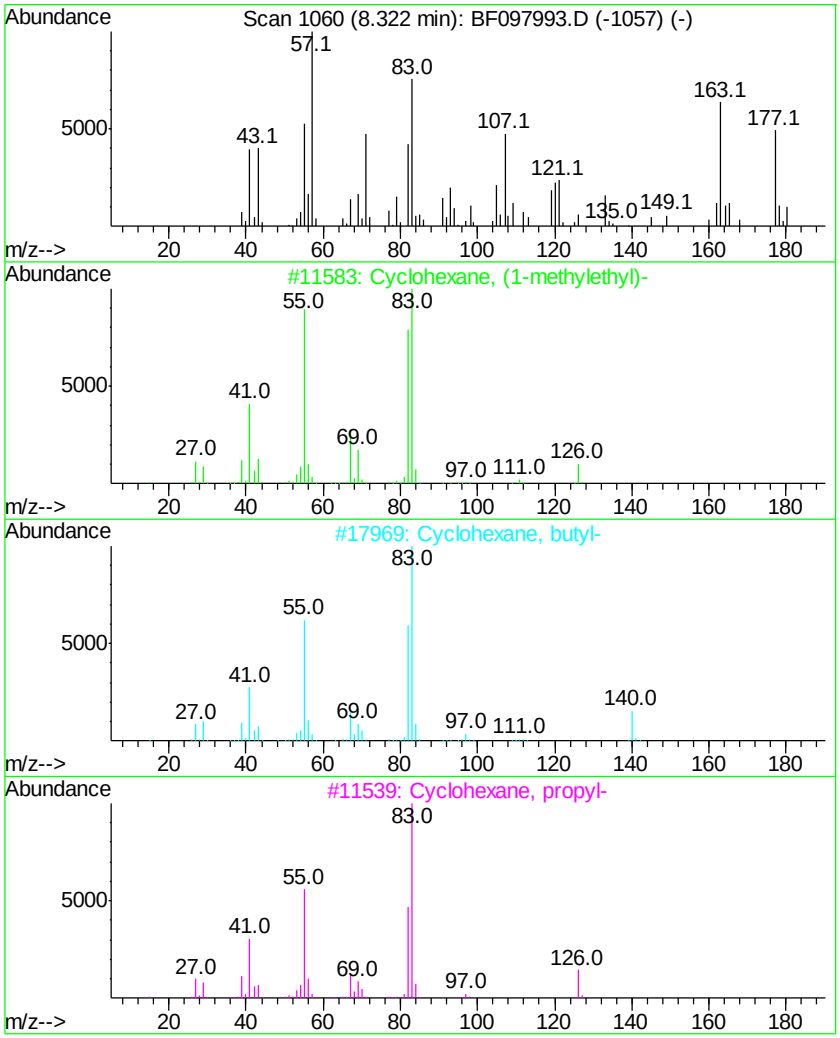
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

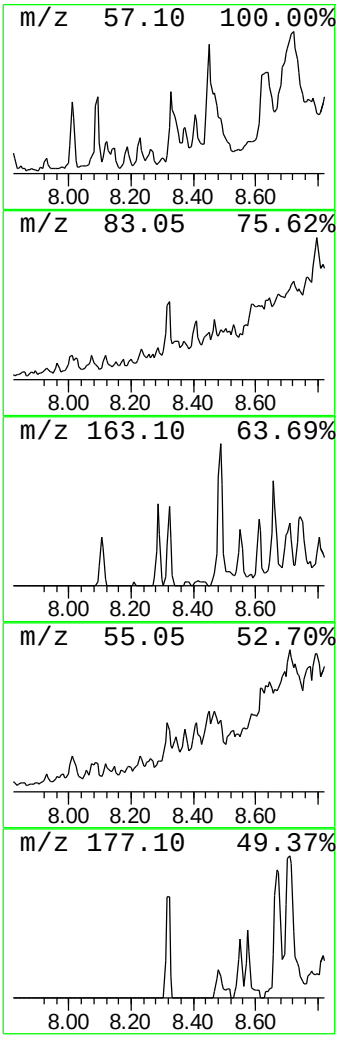
****

Peak Number 5 unknown8.32 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	2.68 ng	134363	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	22
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	22
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	22
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	22





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Data File : BF097993.D
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Operator : SJ/JU
Sample : I4915-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

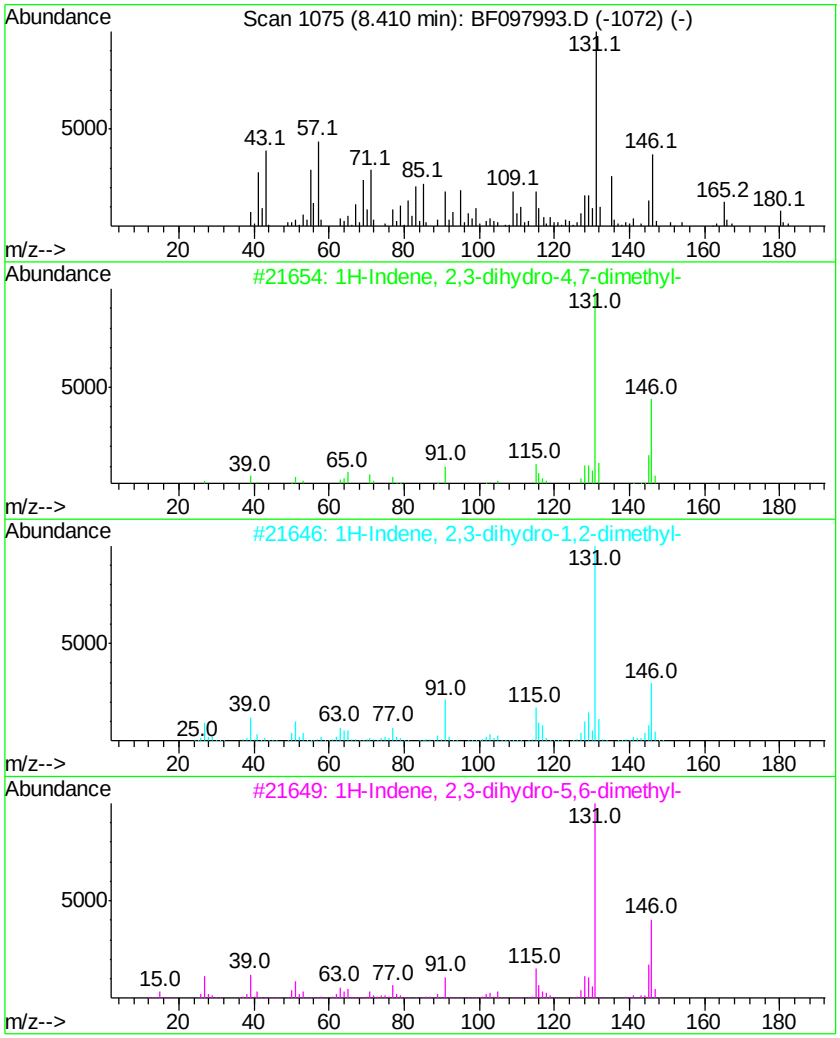
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

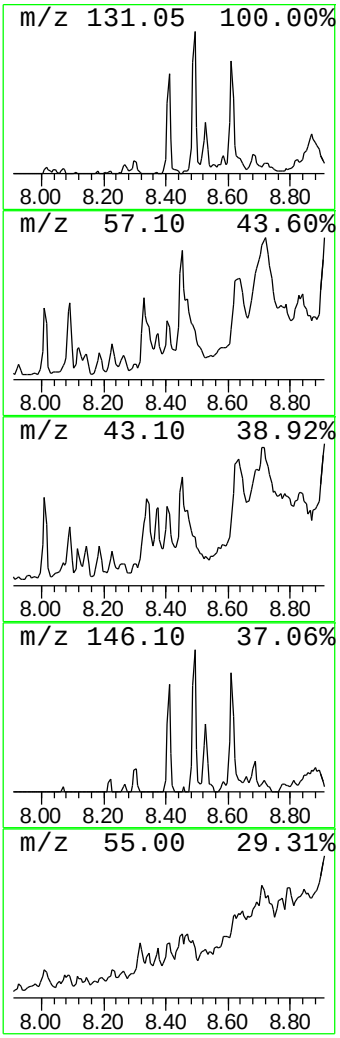
****

Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	3.86 ng	193990	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	89
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	70
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : 72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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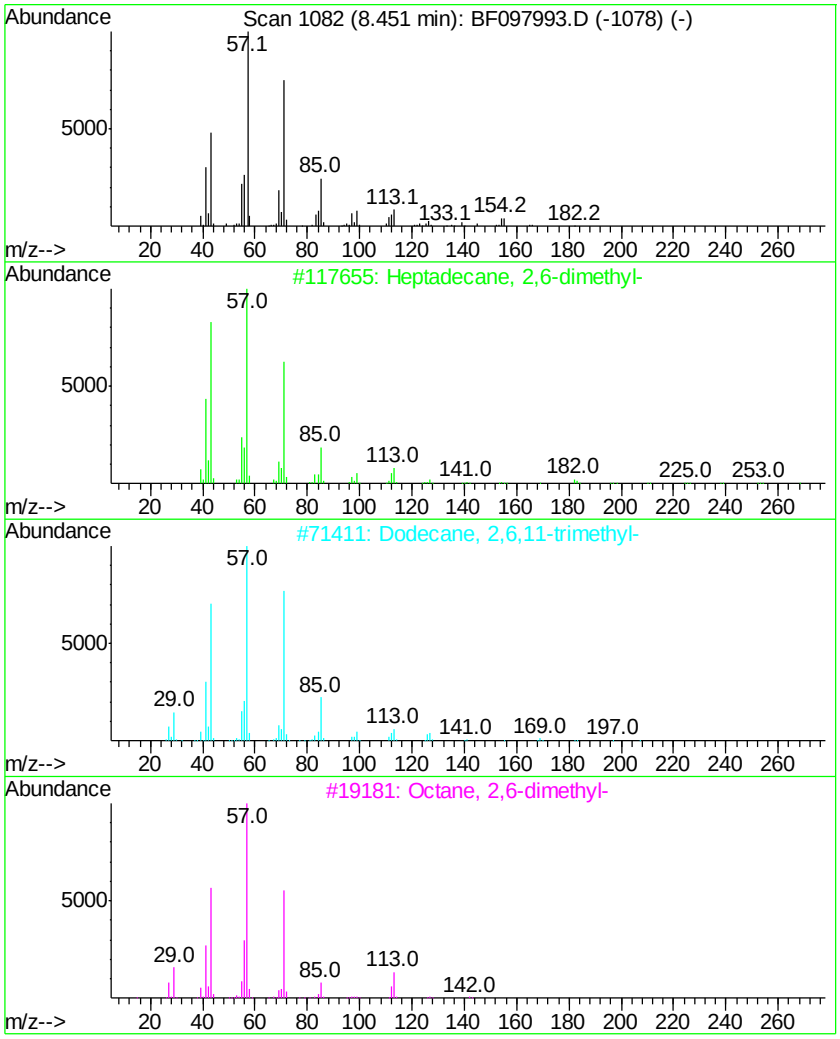
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

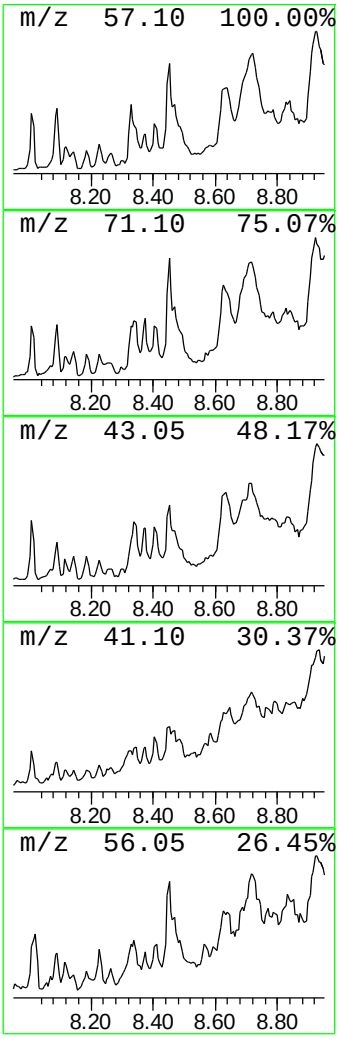
****

Peak Number 7 Heptadecane, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	3.21 ng	161405	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	59





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ClientSampleId : 72-11991-GRAVEL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

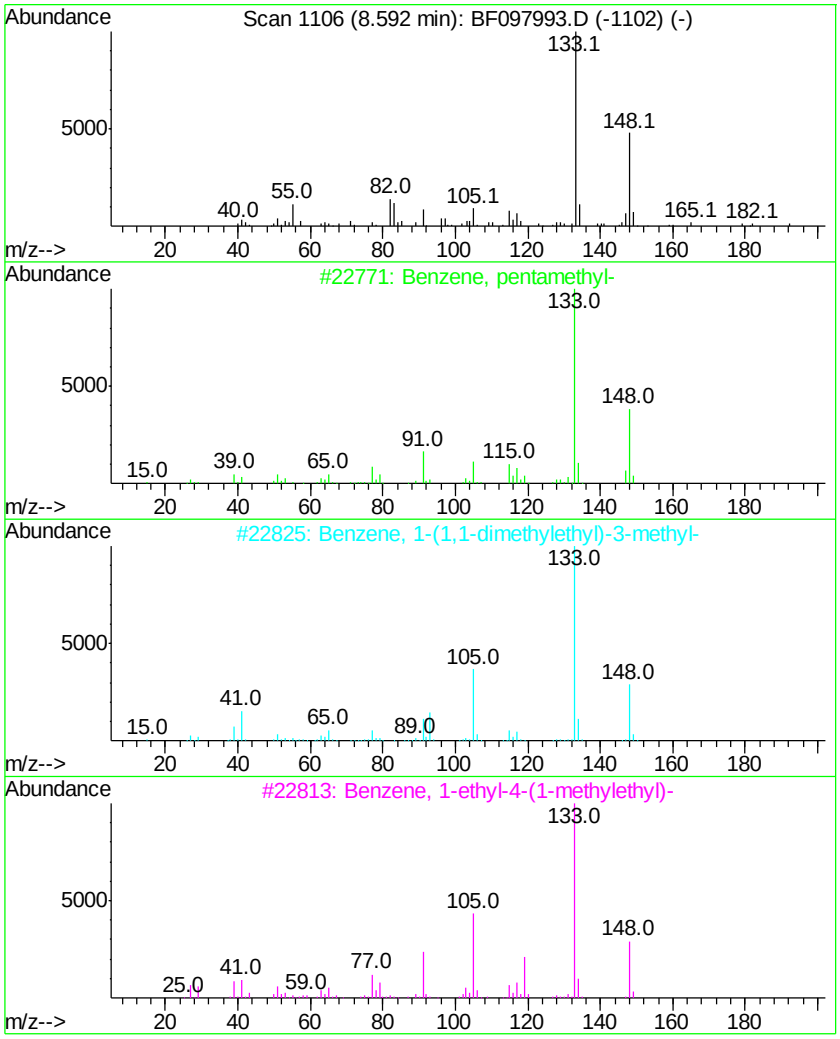
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

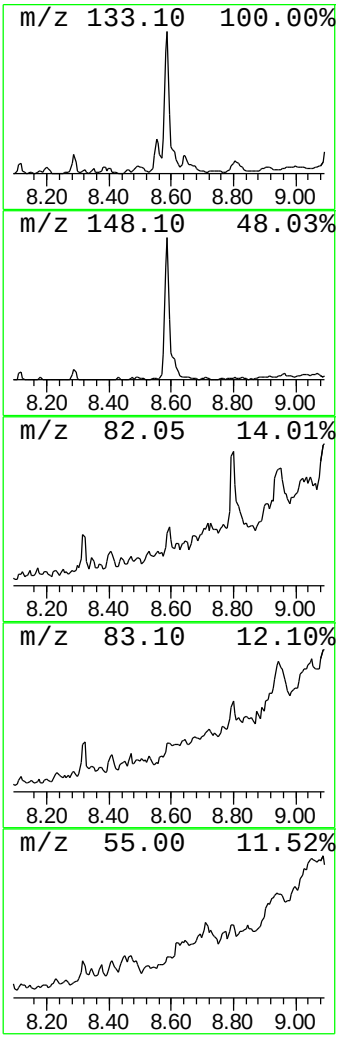
****

Peak Number 9 Benzene, pentamethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	3.57 ng	179114	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	94
2	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	86
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	86
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	80
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	80





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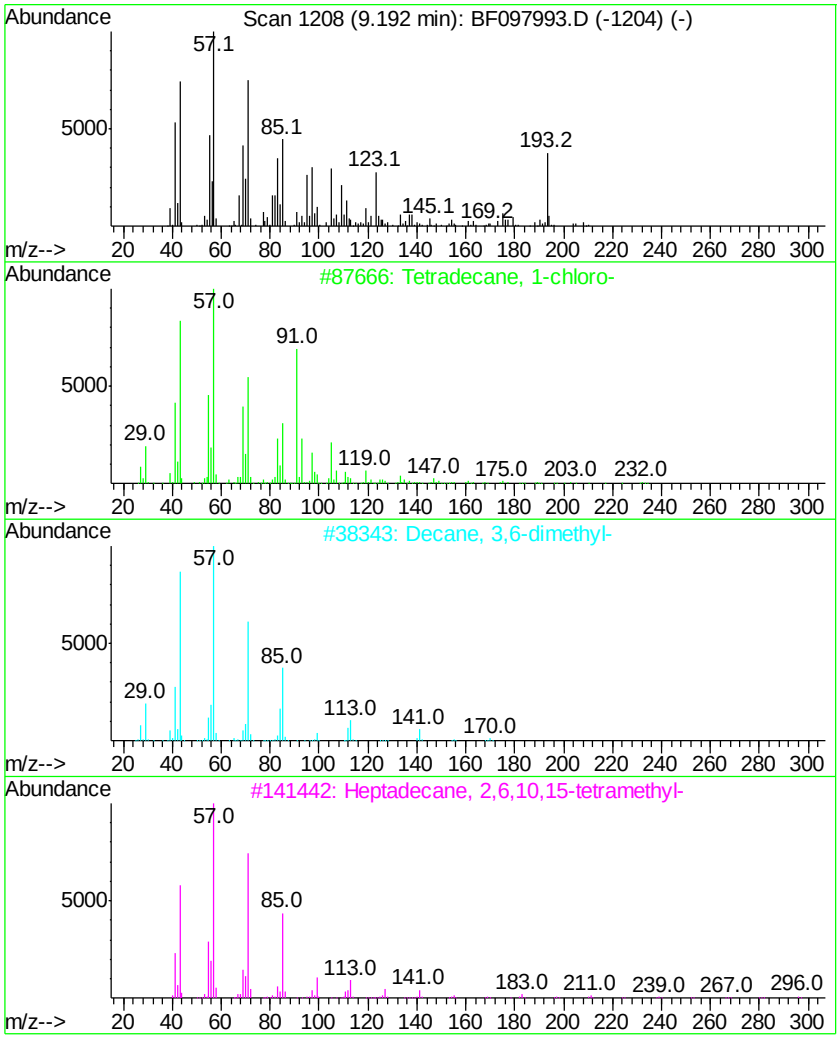
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

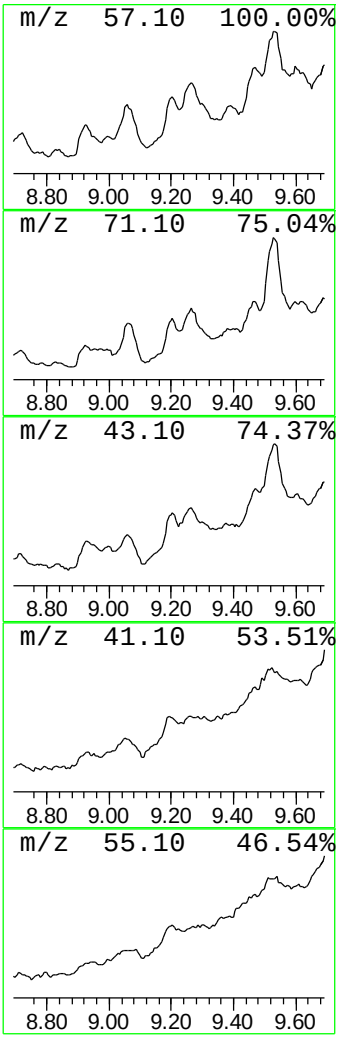
****

Peak Number 11 unknown9.19 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	20.00 ng	1121280	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	47
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	41
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	38
4	1,3-Diacetyl-cyclopentane	154	C9H14O2	1000143-37-1	30
5	1-(3-Isobutyryl-bicyclo[1.1.1]pe...	208	C13H20O2	1000287-95-8	27





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown3.07	3.07	3.4	ng	117265	1	6.74	694365	20.0
2-Pentanone, 4-hy...	4.93	6.4	ng	222893	1	6.74	694365	20.0
unknown6.51	6.51	83.9	ng	2913050	1	6.74	694365	20.0
unknown8.32	8.32	2.7	ng	134363	2	8.02	1004130	20.0
1H-Indene, 2,3-di...	8.41	3.9	ng	193990	2	8.02	1004130	20.0
Heptadecane, 2,6-...	8.45	3.2	ng	161405	2	8.02	1004130	20.0
Benzene, pentamet...	8.59	3.6	ng	179114	2	8.02	1004130	20.0
unknown9.19	9.19	20.0	ng	1121280	3	9.80	1121280	20.0