LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

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-BF013017.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	4.316	192	195	201	rBV2	99163	178947	1.64%	0.100%
2	4.773	230	235	237	rBV	222086	286975	2.62%	0.160%
3	4.864	237	243	247	rBV3	246088	555879	5.08%	0.310%
4	4.956	247	251	257	rBV2	1004792	2293843	20.96%	1.278%
5	5.070	257	261	264	rVB2	77173	167045	1.53%	0.093%
6	5.150	266	268	270	rBV	748339	885205	8.09%	0.493%
7	5.184	270	271	278	rVB2	105644	207672	1.90%	0.116%
8	5.321	281	283	285	rBV	130129	176926	1.62%	0.099%
9	5.401	288	290	292	rBV	3299960	3250395	29.70%	1.811%
10	5.447	292	294	297	rVB	381973	455340	4.16%	0.254%
11	5.539	299	302	304	rBV	529616	838775	7.66%	0.467%
12	5.584	304	306	307	rVB	503044	668990	6.11%	0.373%
13	5.619	307	309	314	rVB2	527927	957174	8.75%	0.533%
14	5.699	314	316	318	rBV	298204	369668	3.38%	0.206%
15	5.790	320	324	327	rBV2	1056502	2096484	19.16%	1.168%
16	5.847	327	329	331	rBV2	564933	1005821	9.19%	0.560%
17	5.939	334	337	339	rVB2	1347017	1717560	15.70%	0.957%
18	5.996	339	342	344	rBV2	757332	1621230	14.82%	0.903%
19	6.042	344	346	349	rBV2	3519344	5441244	49.72%	3.031%
20	6.099	349	351	352	rBV	2065071	2165831	19.79%	1.206%
21	6.122	352	353	360	rVB3	912777	2929309	26.77%	1.632%
22	6.236	360	363	364	rBV2	1881748	2892988	26.44%	1.612%
23	6.327	369	371	376	rBV4	3174627	6590234	60.22%	3.671%
24	6.407	376	378	380	rBV	660883	1499451	13.70%	0.835%
25	6.464	380	383	385	rBV2	3147333	4989670	45.60%	2.779%
26	6.499	385	386	388	rVB	1029170	835158	7.63%	0.465%
27	6.544	388	390	392	rBV3	2067103	4705755	43.00%	2.621%
28	6.579	392	393	397	rVB	3599276	4363616	39.88%	2.431%
29	6.659	397	400	402	rBV2	1604129	2469207	22.56%	1.375%
30	6.773	402	410	411	rBV5	1756163	5470918	49.99%	3.048%
31	6.807	411	413	417	rVB4	1565971	3132786	28.63%	1.745%
32	6.864	417	418	420	rBV	1178633	2134533	19.51%	1.189%
33	6.967	422	427	431	rVB5	3854696	10943130	100.00%	6.096%
34	7.082	431	437	440	rVB5	2584058	7019490	64.15%	3.910%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

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-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.173	443	445	446	rBV2	1057299	1838132	16.80%	1.024%
36	7.207	446	448	454	rVB5	2569061	6333842	57.88%	3.528%
37	7.356	454	461	463	rBV3	3299987	10352951	94.61%	5.767%
38	7.470	468	471	473	rVB3	2587487	5246703	47.95%	2.923%
39	7.516	473	475	476	rBV	985183	1324502	12.10%	0.738%
40	7.630	480	485	487	rVB3	2247839	4382114	40.04%	2.441%
41	7.745	490	495	498	rVB5	2294512	7460940	68.18%	4.156%
42	7.859	503	505	509	rVB4	1248314	3375059	30.84%	1.880%
43	7.939	509	512	514	rBV3	1533106	2910037	26.59%	1.621%
44	7.996	514	517	520	rBV3	1341625	4478117	40.92%	2.495%
45	8.407	550	553	555	rBV3	1381463	2974378	27.18%	1.657%
46	8.556	563	566	570	rVB2	1999564	5189775	47.42%	2.891%
47	10.122	701	703	706	rVB3	1781144	2939433	26.86%	1.637%
48	10.190	707	709	710	rVV	1239543	1679471	15.35%	0.936%
49	10.271	714	716	719	rBV4	1290336	2097045	19.16%	1.168%
50	10.408	726	728	733	rVV4	1153044	2325361	21.25%	1.295%
51	10.511	734	737	740	rVB	2807589	4157435	37.99%	2.316%
52	10.659	748	750	754	rVB5	1040287	2391890	21.86%	1.332%
53	10.773	758	760	763	rVB	3840049	6021305	55.02%	3.354%
54	10.831	763	765	766	rBV	596546	947930	8.66%	0.528%
55	11.036	782	783	784	rVB	781278	535957	4.90%	0.299%
56	11.082	785	787	792	rVB5	793616	1409200	12.88%	0.785%
57	11.231	797	800	803	rVB	2444168	3059044	27.95%	1.704%
58	11.345	808	810	817	rVB2	870648	2364625	21.61%	1.317%
59	11.573	828	830	836	rVB	969121	1727928	15.79%	0.963%
60	11.665	836	838	844	rVB4	388535	833709	7.62%	0.464%
61	11.836	852	853	854	rBV	189757	175830	1.61%	0.098%
62	12.305	893	894	899	rVB3	249163	383685	3.51%	0.214%
63	12.385	899	901	903	rBV	233583	199304	1.82%	0.111%
64	12.545	914	915	917	rVB	551117	451432	4.13%	0.251%
65	12.774	933	935	939	rVB	545485	556396	5.08%	0.310%
66	12.911	945	947	950	rVB	1707741	2238774	20.46%	1.247%
67	13.974	1037	1040	1041	rBV2	773284	944878	8.63%	0.526%
68	15.402	1162	1165	1167	rBV	570138	893839	8.17%	0.498%

Sum of corrected areas: 179518270

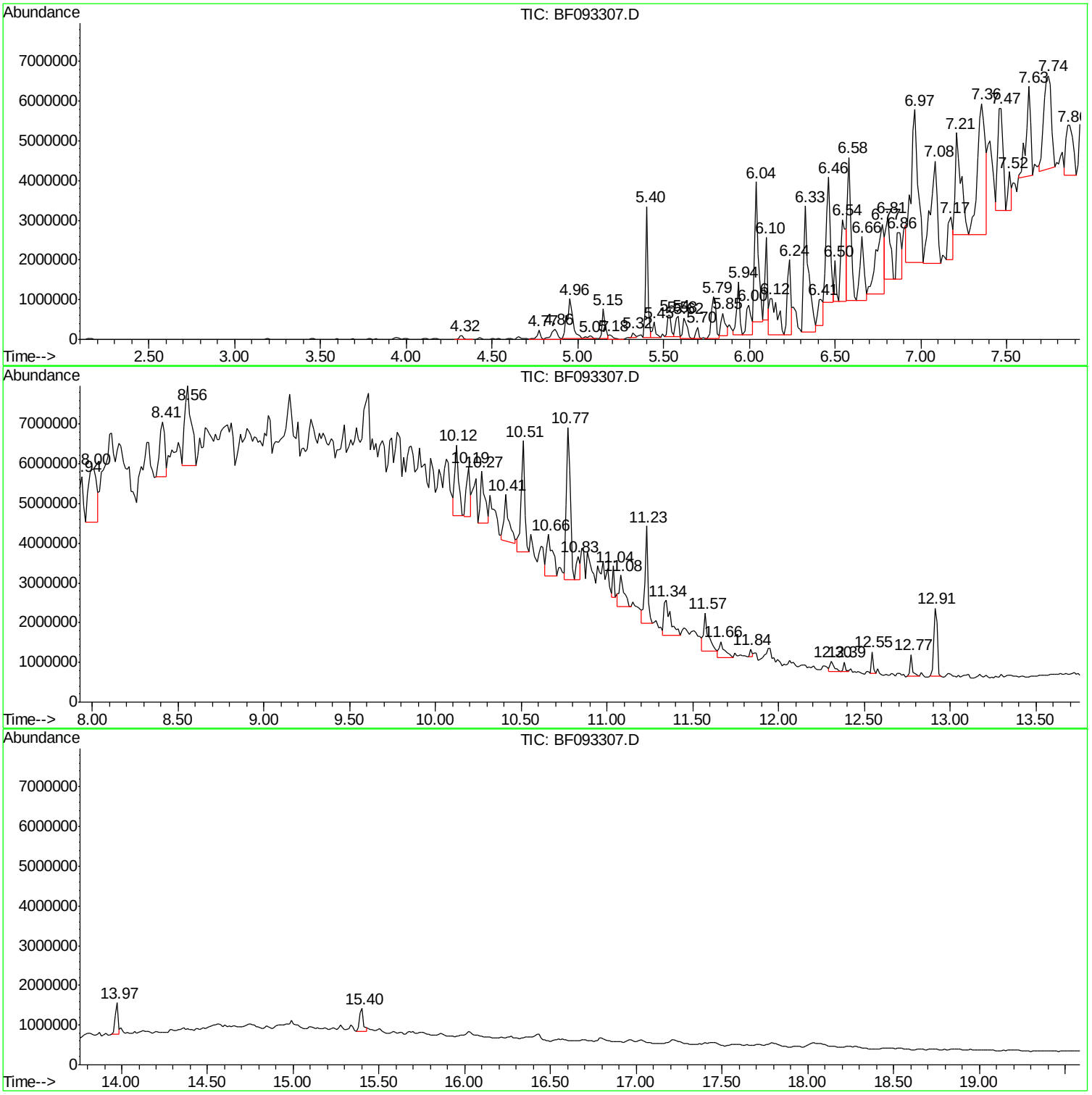
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

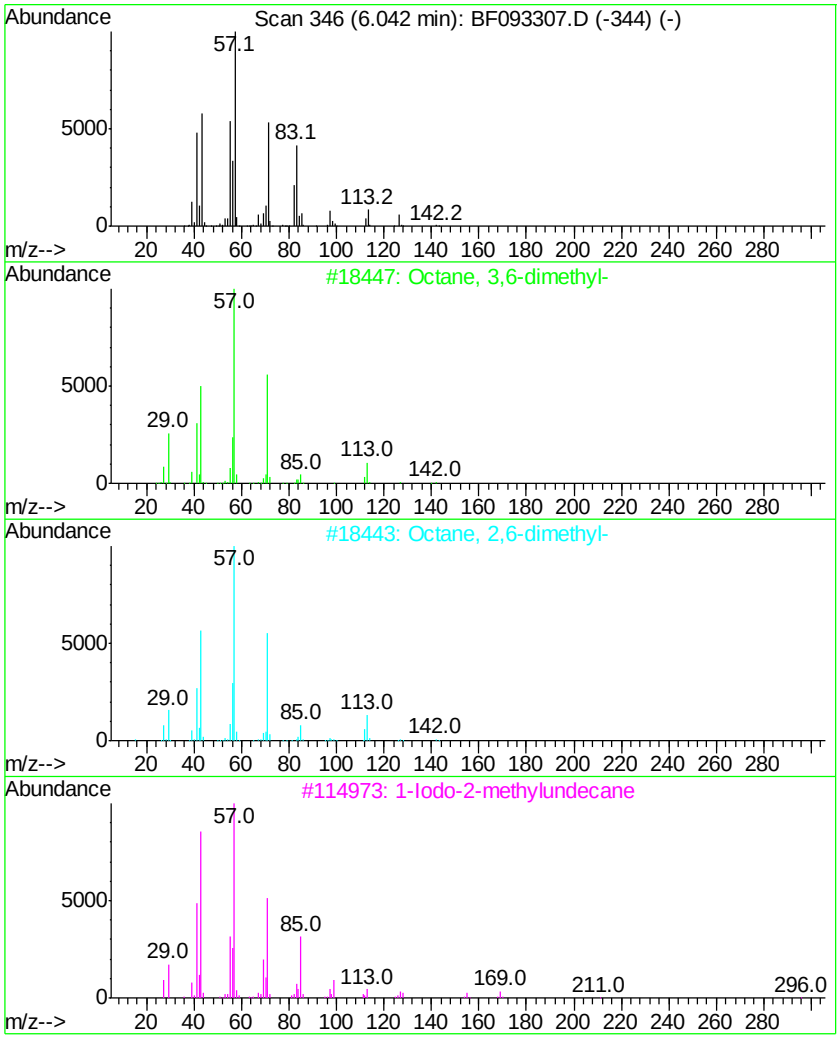
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

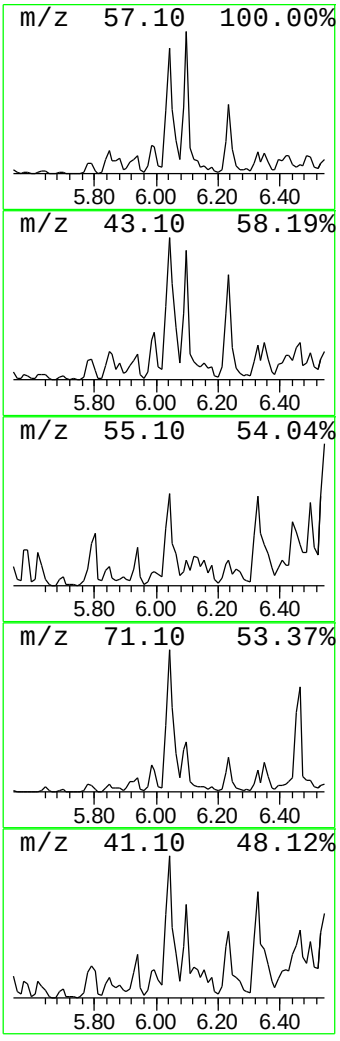
****

Peak Number 1 unknown6.04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	34.74 ng	5441240	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
5	Heptacosane	380	C27H56	000593-49-7	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

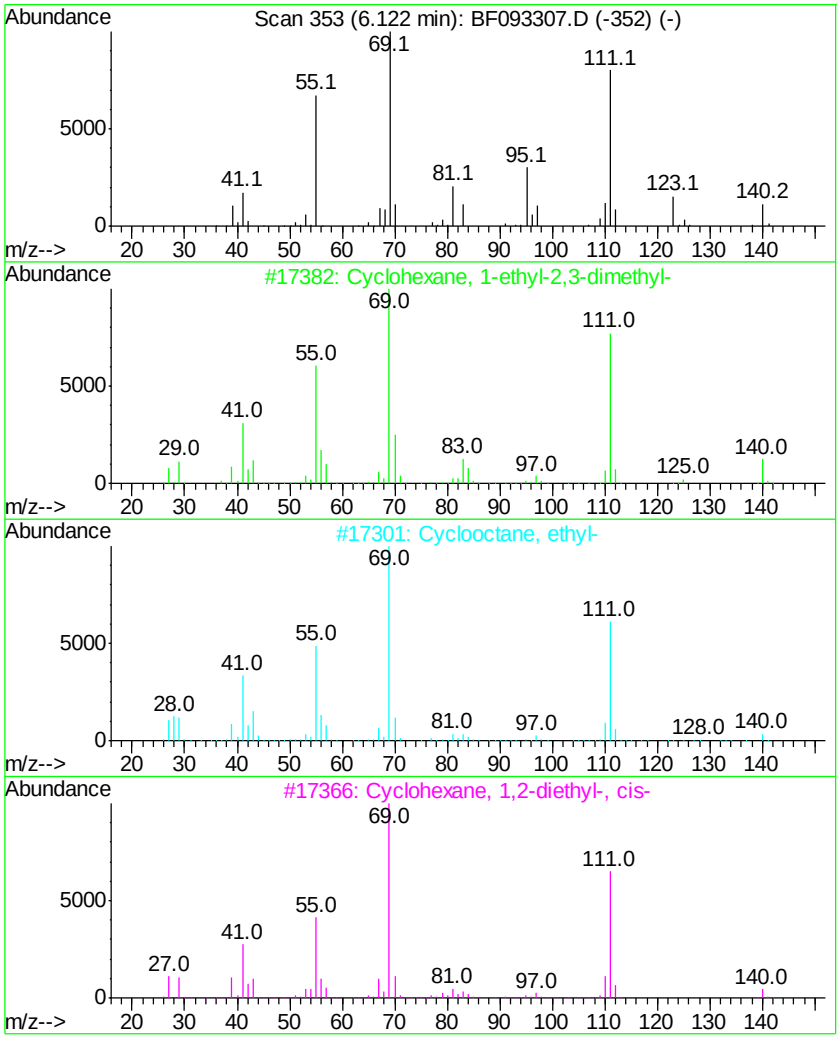
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

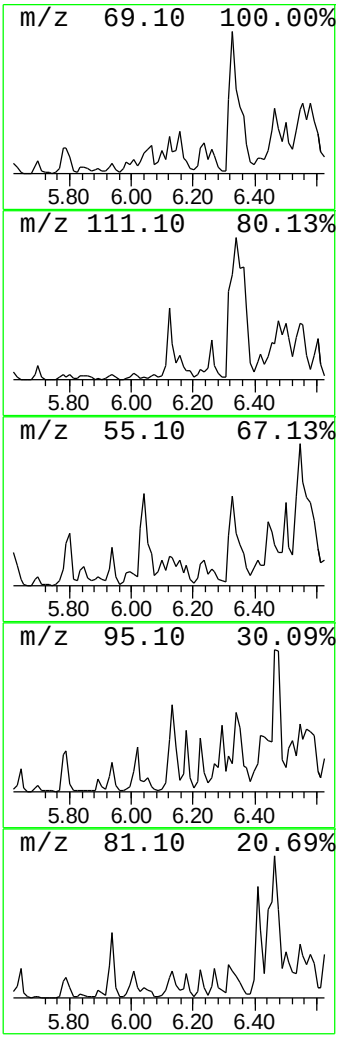
****

Peak Number 2 Cyclohexane, 1-ethyl-2,3-di... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	18.70 ng	2929310	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	74
2	Cyclooctane, ethyl-	140	C10H20	013152-02-8	72
3	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	64
4	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	59
5	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

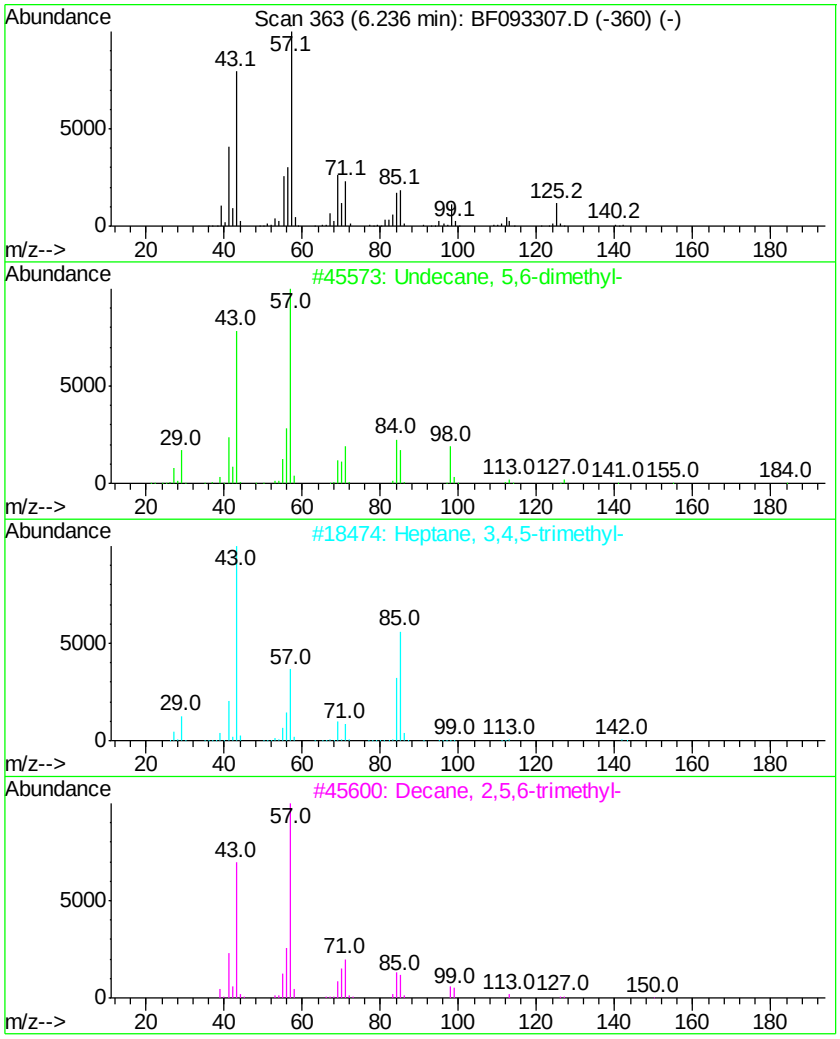
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

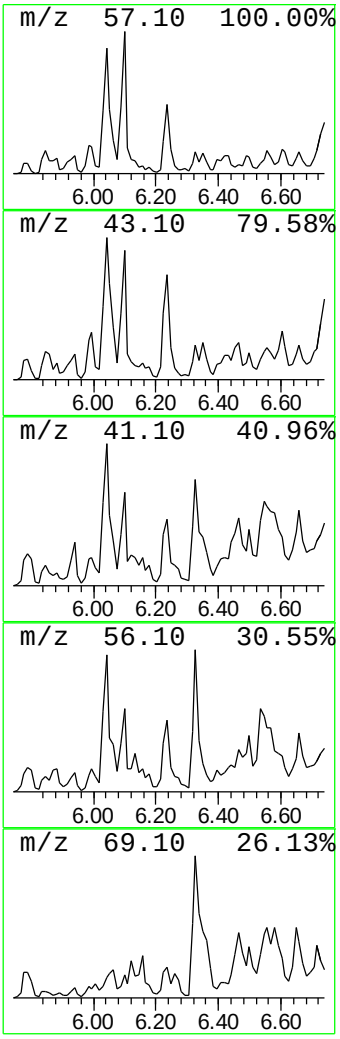
****

Peak Number 3 Undecane, 5,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	18.47 ng	2892990	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	72
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
5	Octane, 4-methyl-	128	C9H20	002216-34-4	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

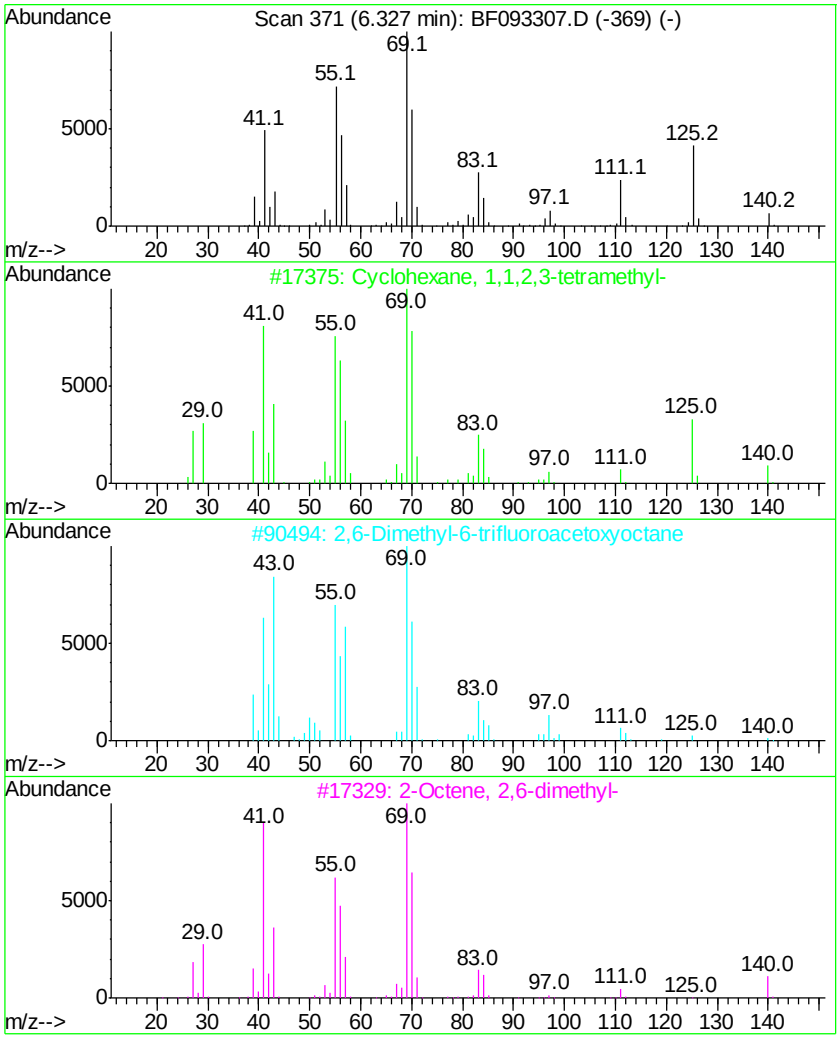
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

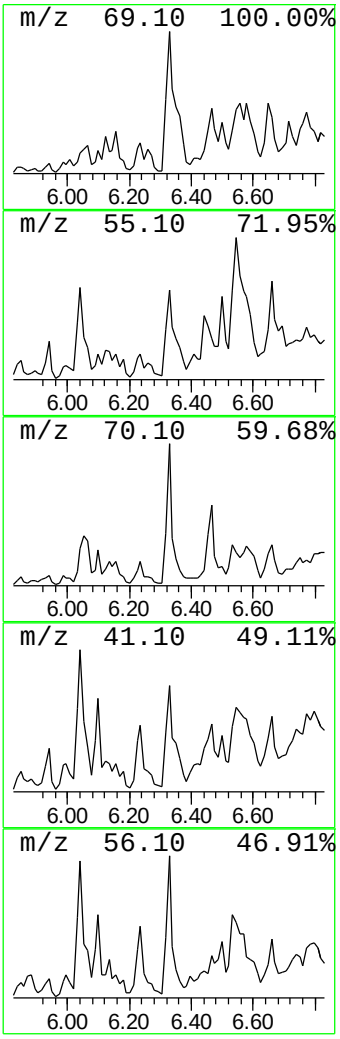
****

Peak Number 4 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	42.07 ng	6590230	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	93
2	2,6-Dimethyl-6-trifluoroacetoxyo...	254	C12H21F3O2	061986-67-2	59
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

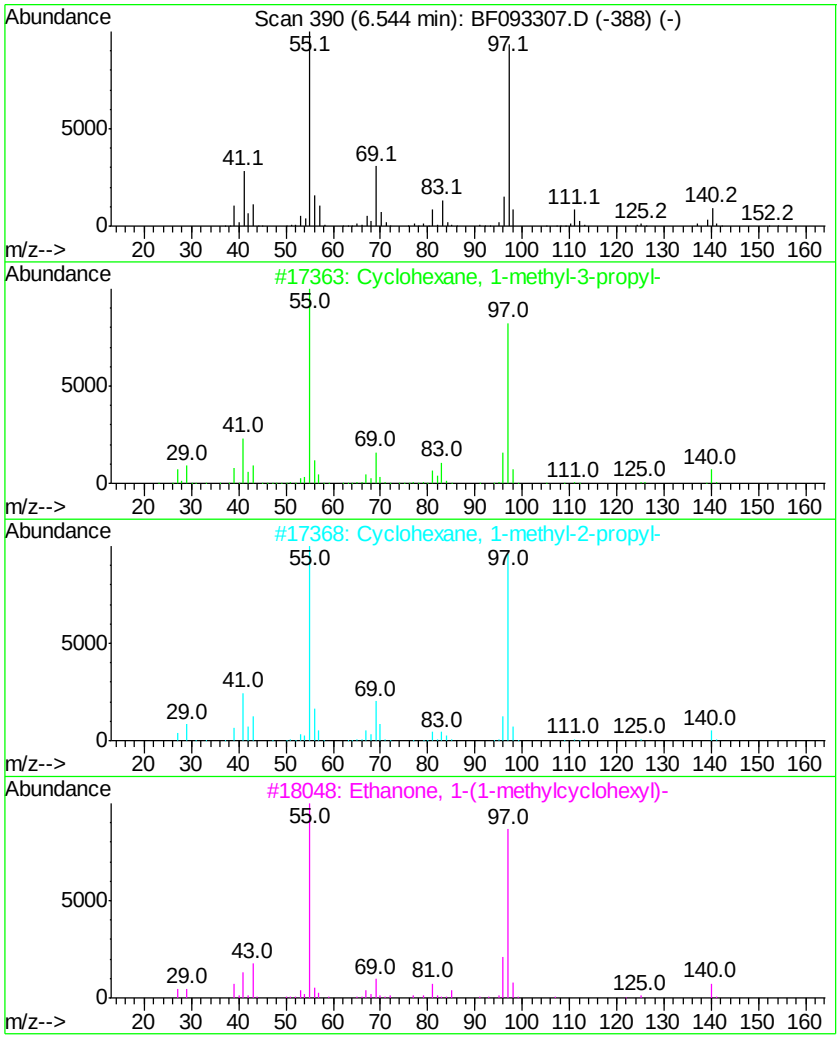
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

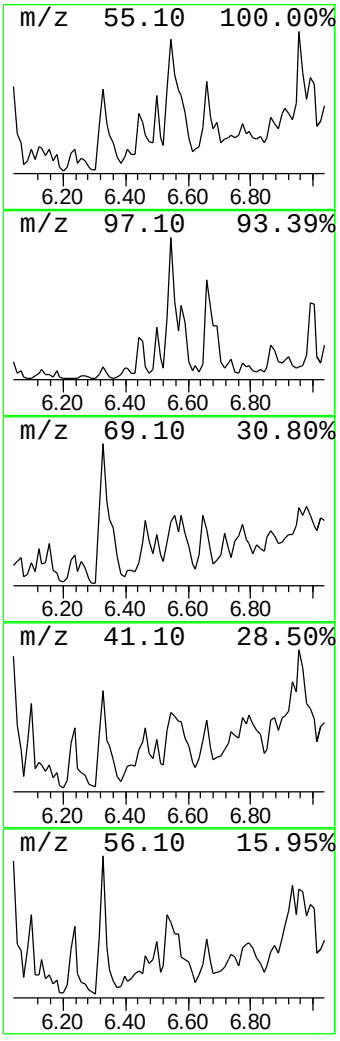
****

Peak Number 5 Cyclohexane, 1-methyl-3-pro... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	30.04 ng	4705760	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	90
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	87
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	72
4	Cyclohexane, 1-isopropyl-3-methy...	140	C10H20	1000158-54-3	64
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

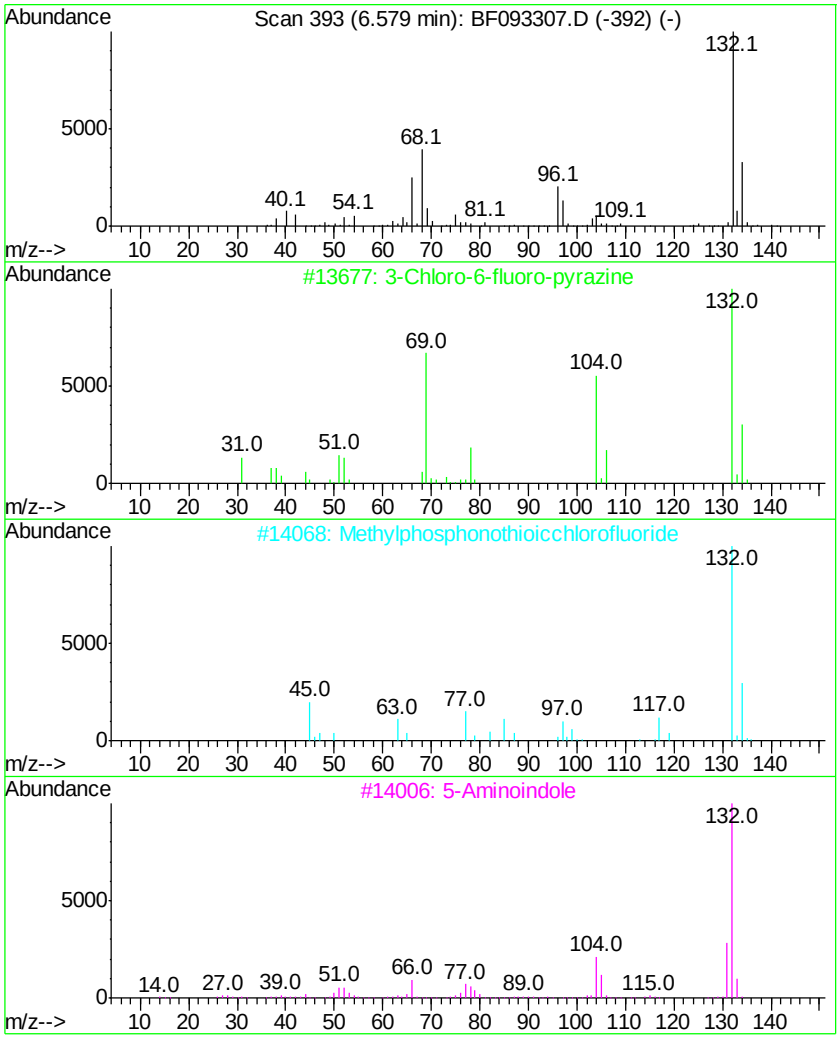
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

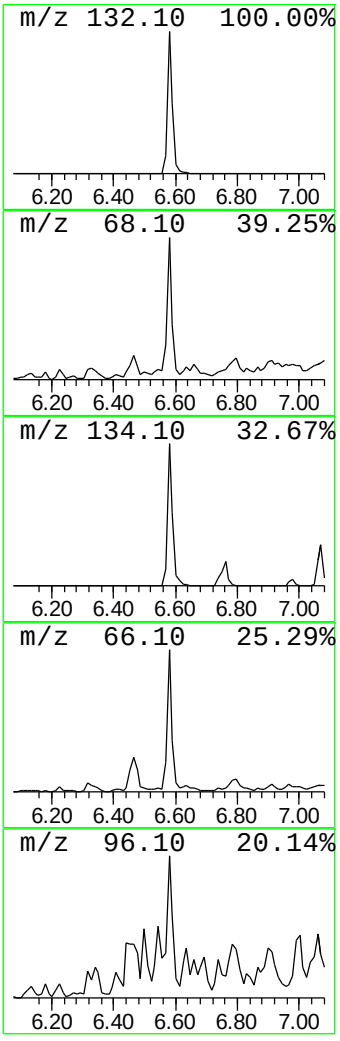
****

Peak Number 6 unknown6.58 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	27.86 ng	4363620	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Methylphosphonothioicchlorofluoride	132	CH3ClFPS	027127-27-1	22
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

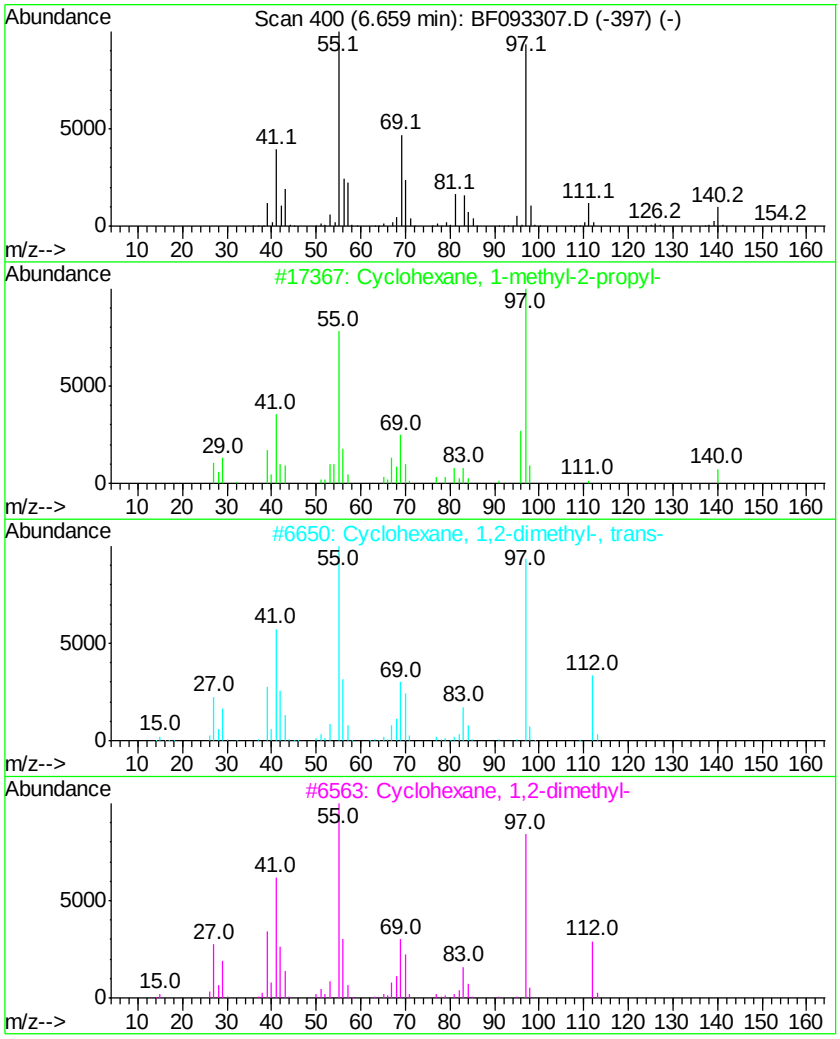
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

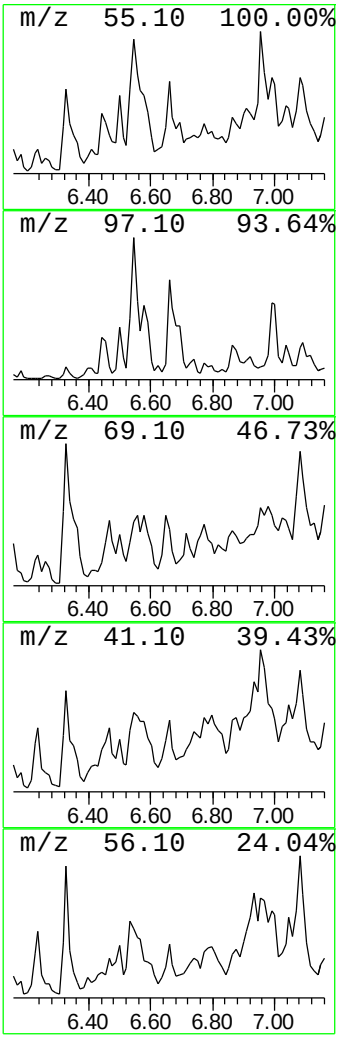
****

Peak Number 7 Cyclohexane, 1-methyl-2-pro... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	15.76 ng	2469210	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
3	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	64
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59
5	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

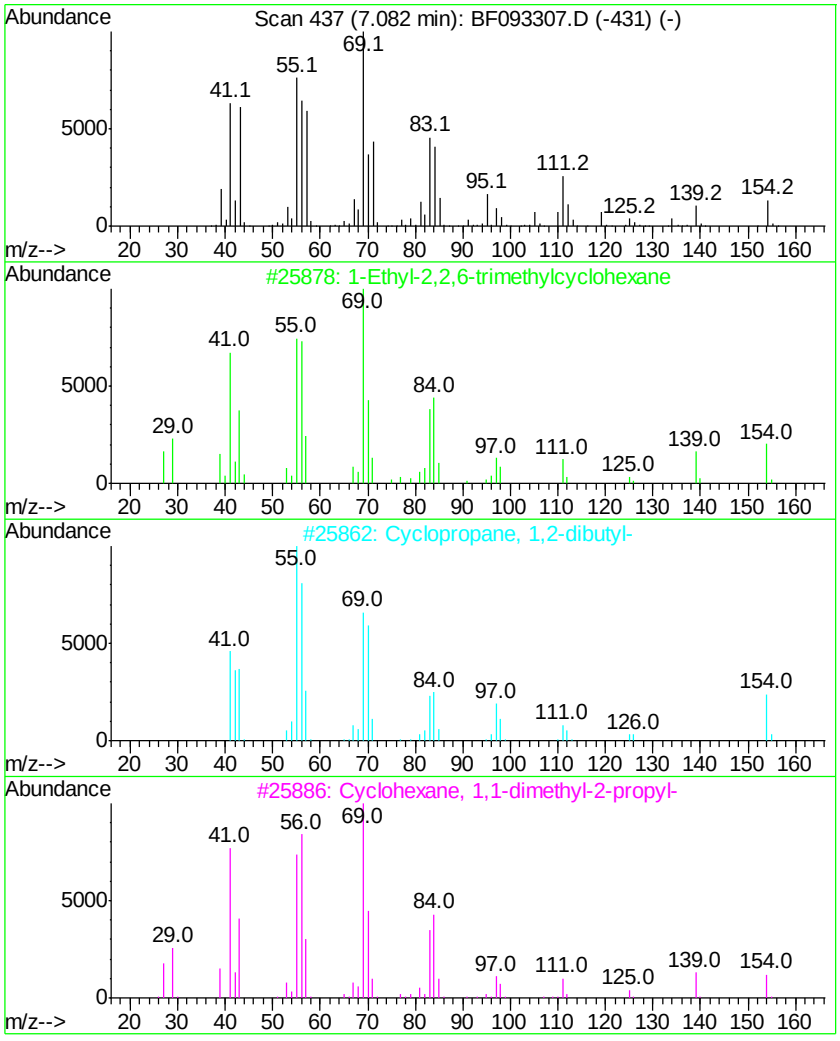
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

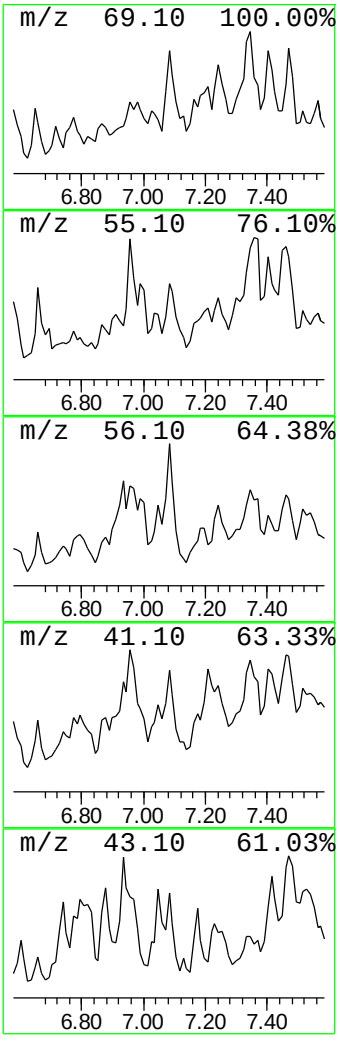
****

Peak Number 9 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	44.81 ng	7019490	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	81
2	Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	74
3	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	70
4	5-Undecene	154	C11H22	004941-53-1	68
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

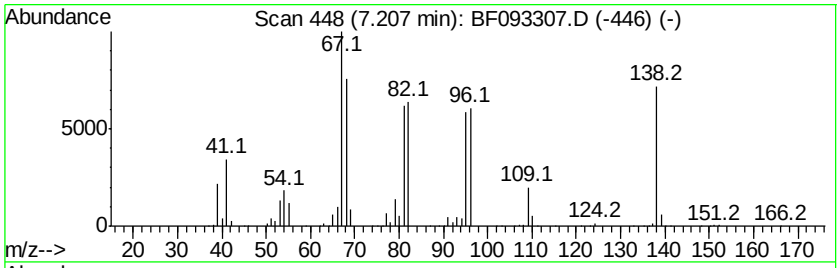
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

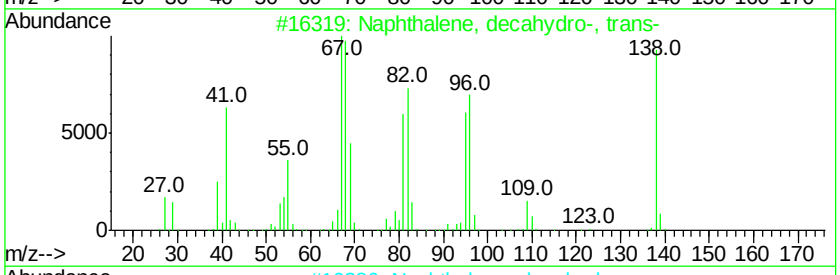
****

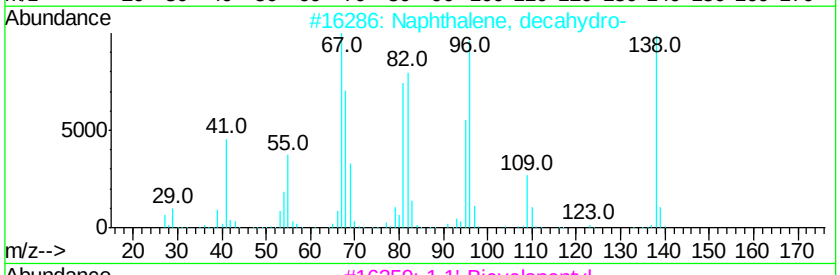
Peak Number 10 Naphthalene, decahydro-, tr... Concentration Rank 5

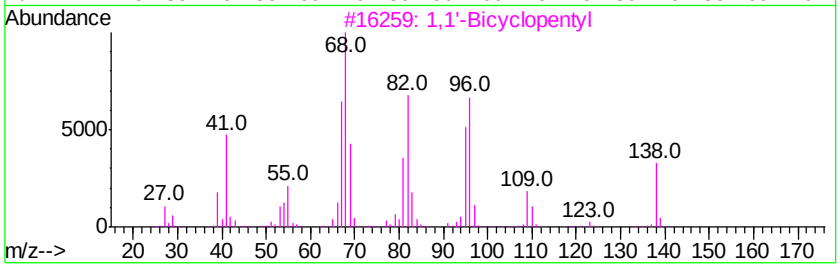
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	40.44 ng	6333840	1,4-Dichlorobenzene-d4	6.81

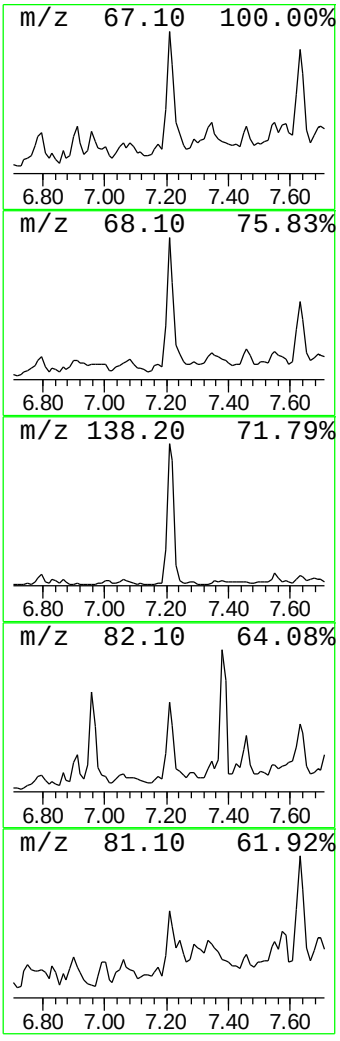
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	74
4	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	68
5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	64











Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

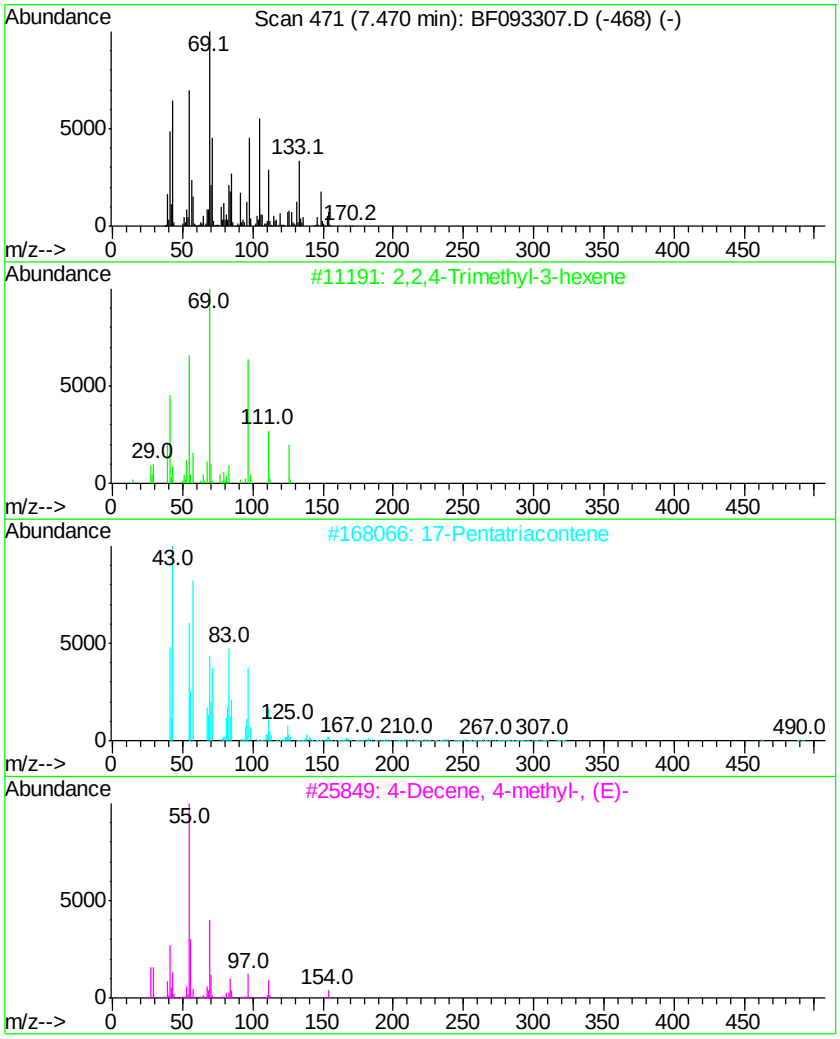
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

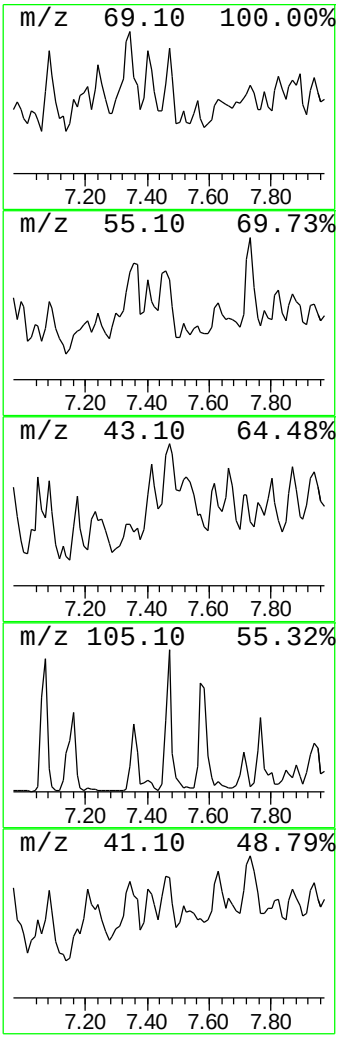
****

Peak Number 11 unknown7.47 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	23.43 ng	5246700	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	38
2	17-Pentatriacontene	491	C35H70	006971-40-0	38
3	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	38
4	Pentanoic acid, 4-methyl-4-nitro...	175	C7H13NO4	016507-02-1	38
5	2-Butenamide, N,2,3-trimethyl-	127	C7H13NO	001186-87-4	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

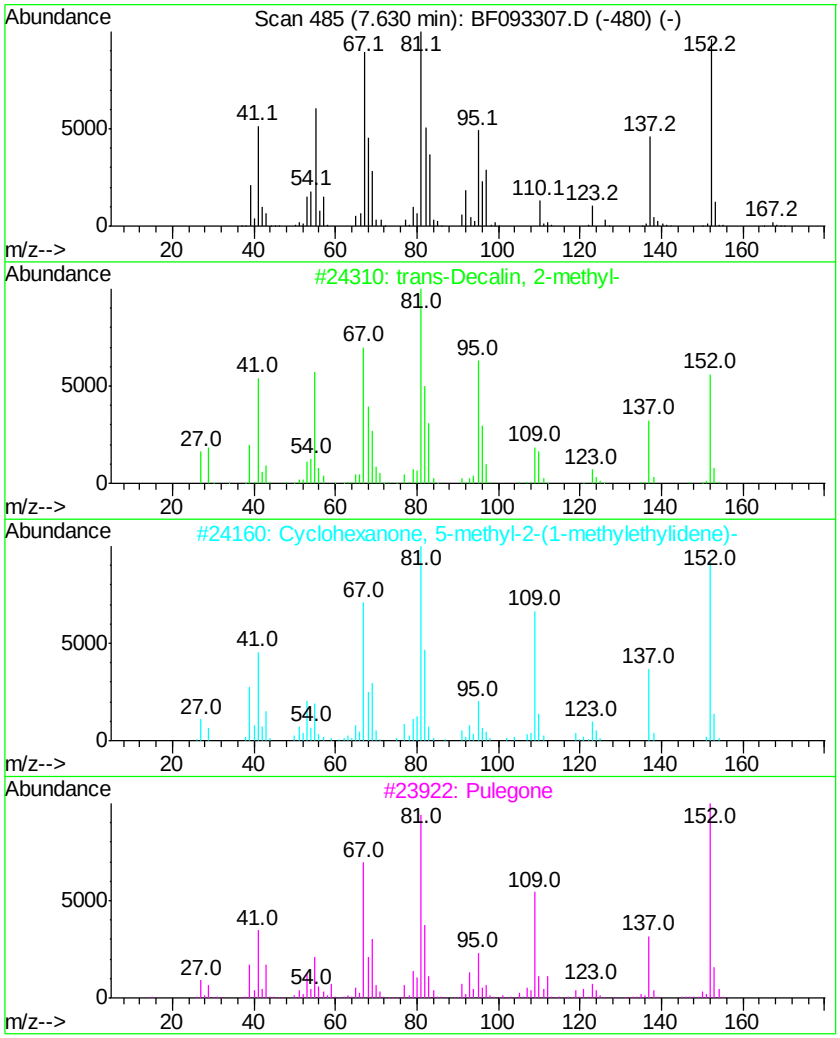
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

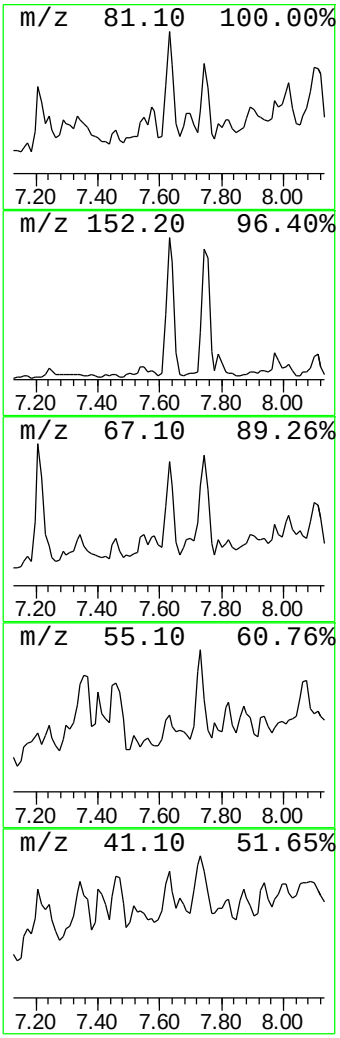
****

Peak Number 12 trans-Decalin, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	19.57 ng	4382110	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
3	Pulegone	152	C10H16O	000089-82-7	74
4	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	64
5	Bicyclo[3.3.1]nonane-2,7-dione	152	C9H12O2	1000210-30-3	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

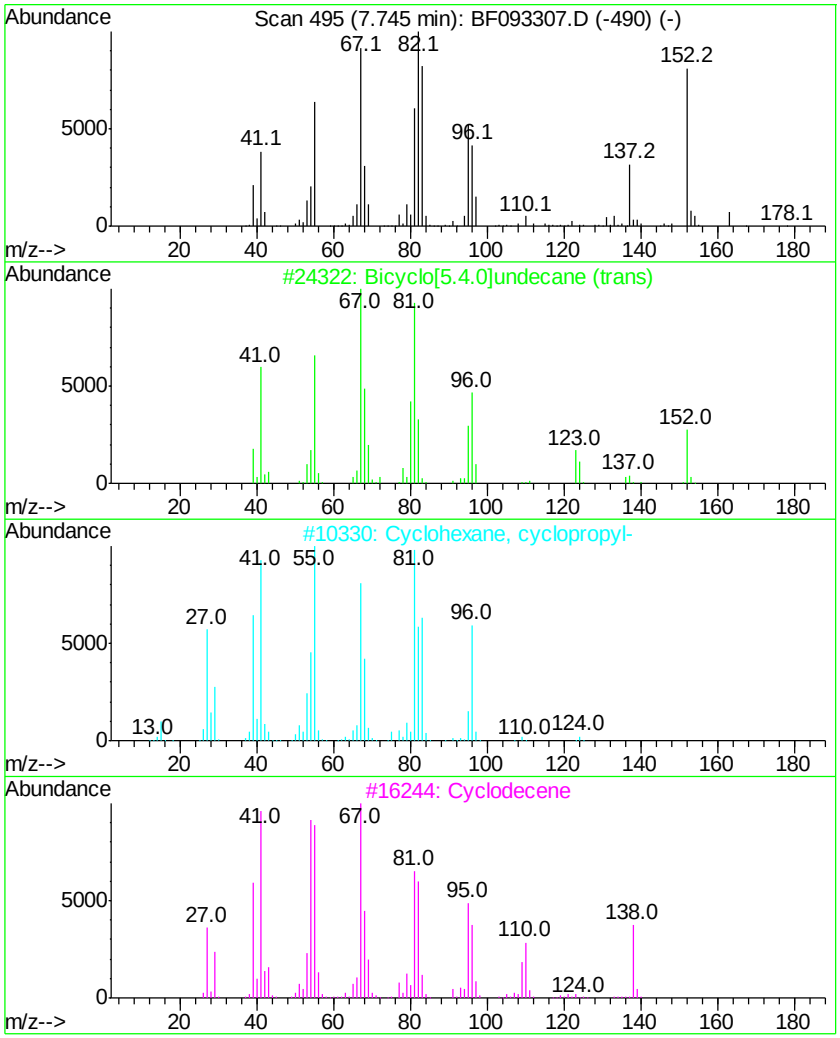
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

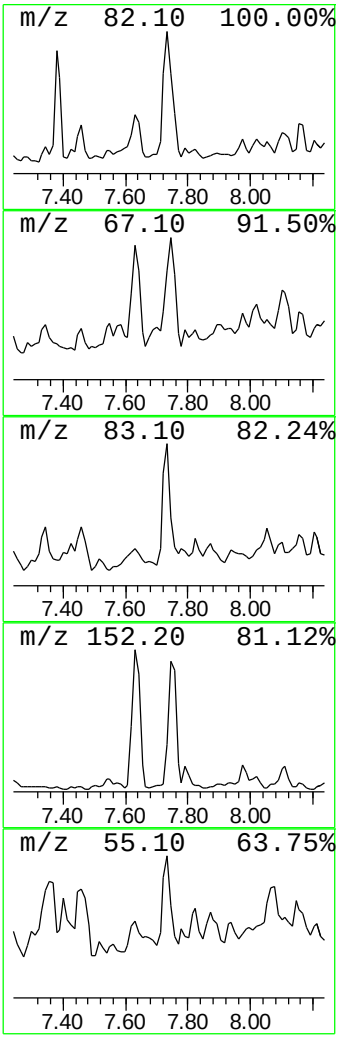
****

Peak Number 13 unknown7.74 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	33.32 ng	7460940	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	49
2	Cyclohexane, cyclopropyl-	124	C9H16	032669-86-6	46
3	Cyclodecene	138	C10H18	003618-12-0	43
4	4,5-Nonadiene	124	C9H16	000821-74-9	41
5	3.beta.-Methyl-trans-hexahydroph...	154	C9H14O2	002205-25-6	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

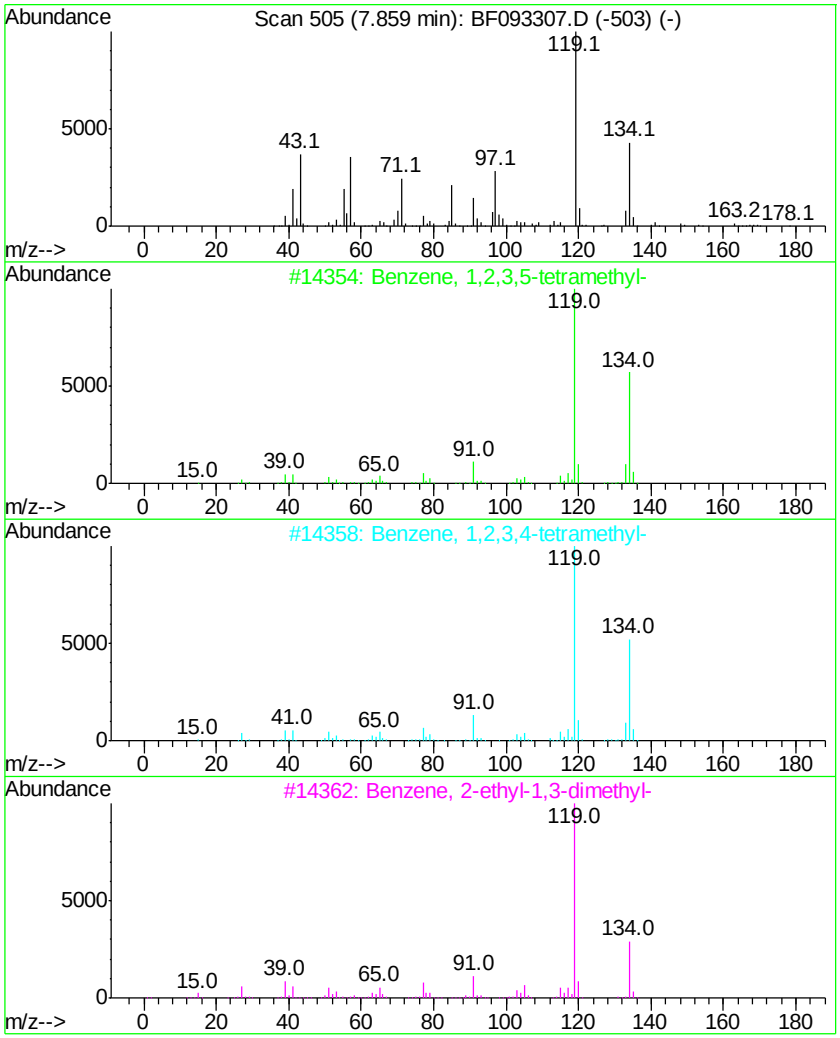
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

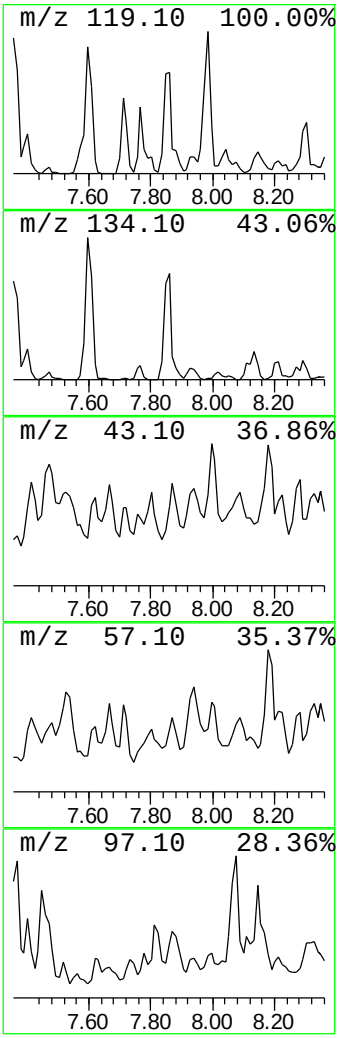
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	15.07 ng	3375060	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	52
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	52
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

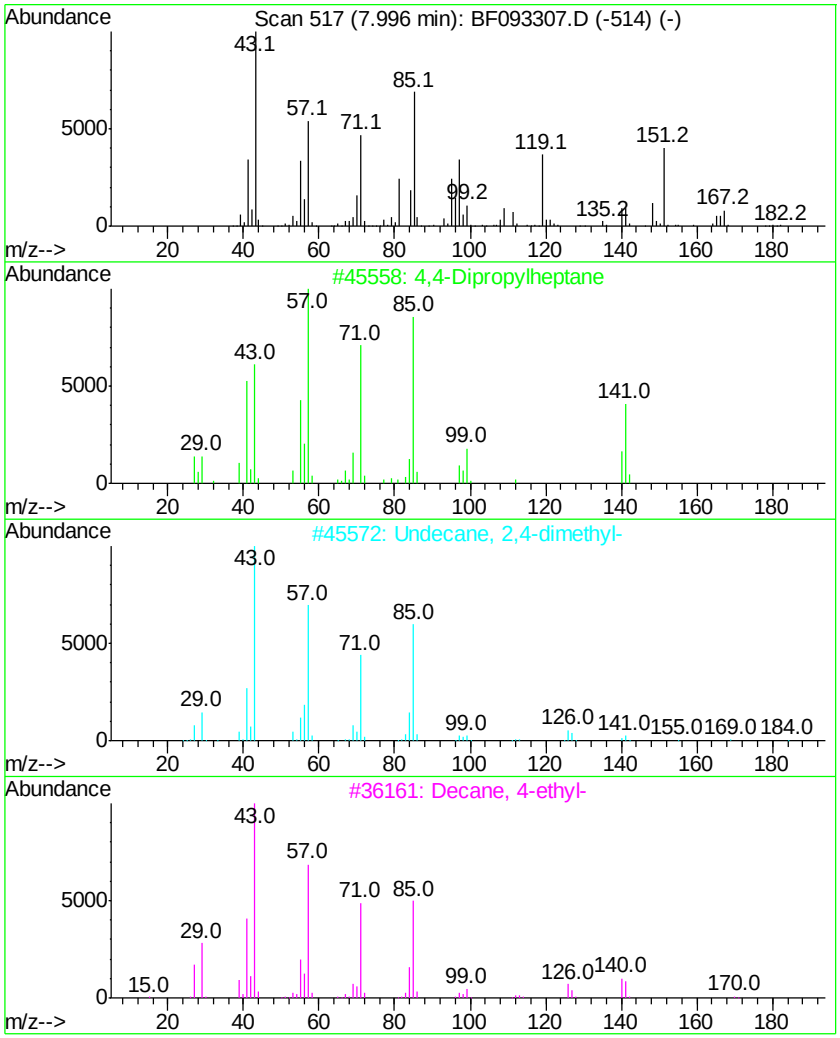
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

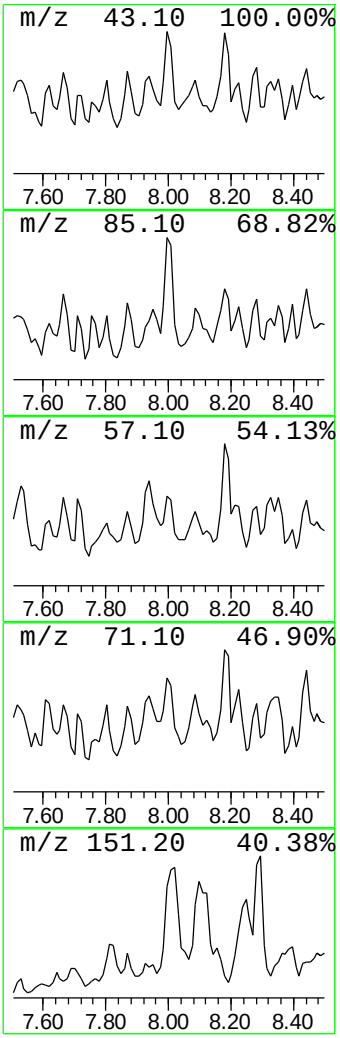
****

Peak Number 15 unknown8.00 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	20.00 ng	4478120	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dipropylheptane	184	C13H28	017312-72-0	38
2	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	35
3	Decane, 4-ethyl-	170	C12H26	001636-44-8	35
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	27
5	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

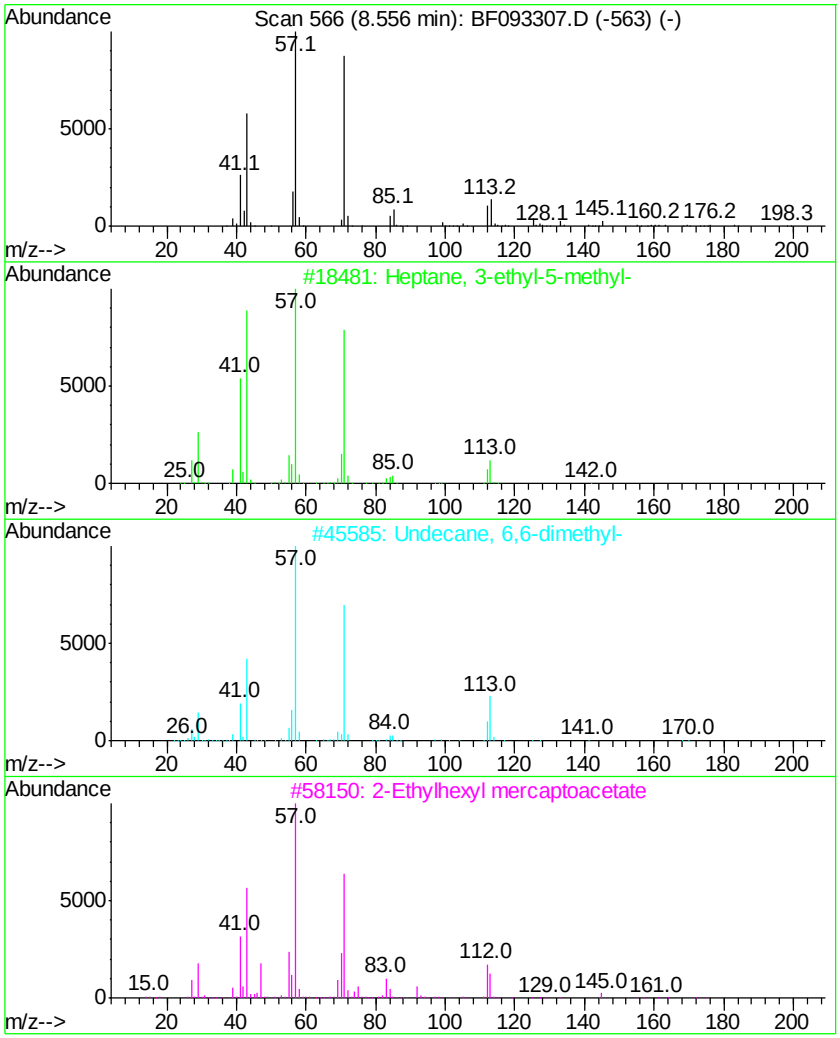
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

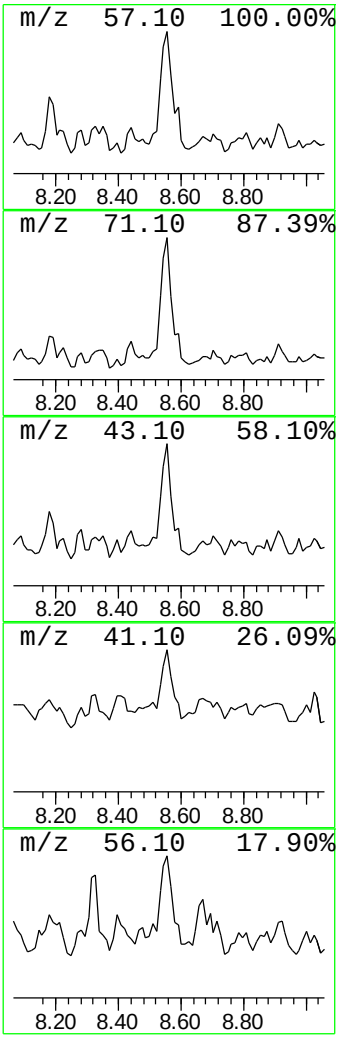
****

Peak Number 16 Heptane, 3-ethyl-5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	23.18 ng	5189780	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	86
2	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	78
3	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	78
4	Decane, 4-methyl-	156	C11H24	002847-72-5	78
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

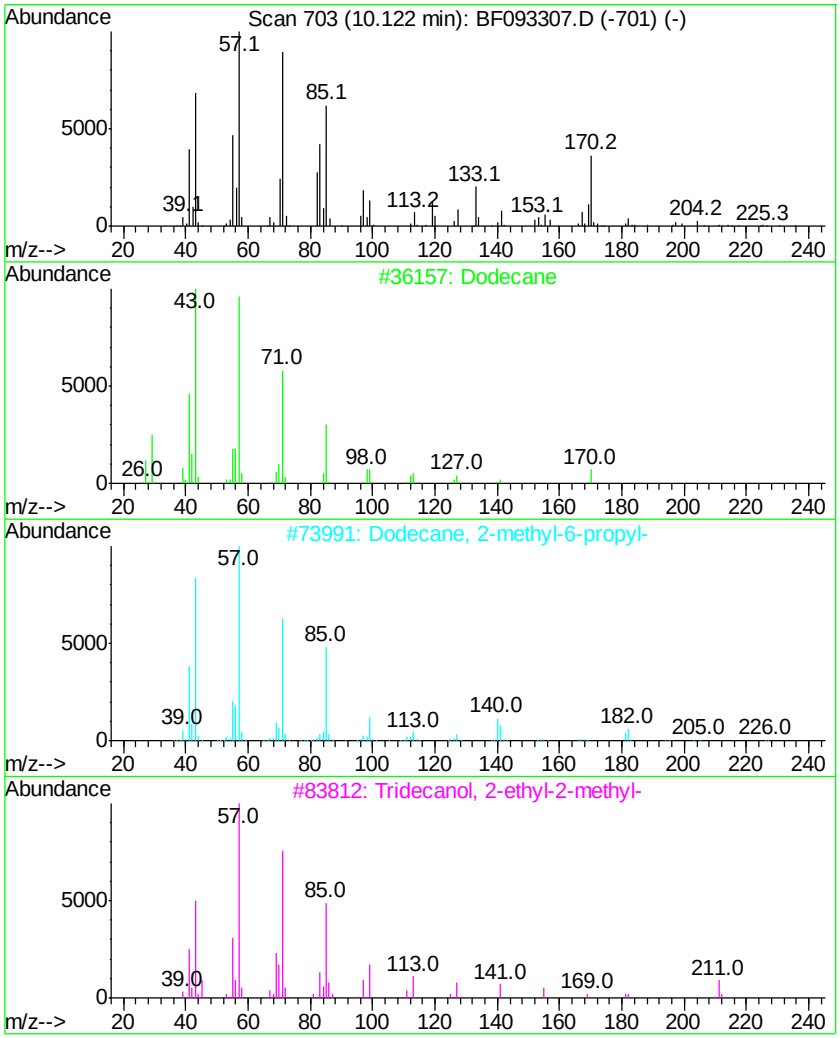
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

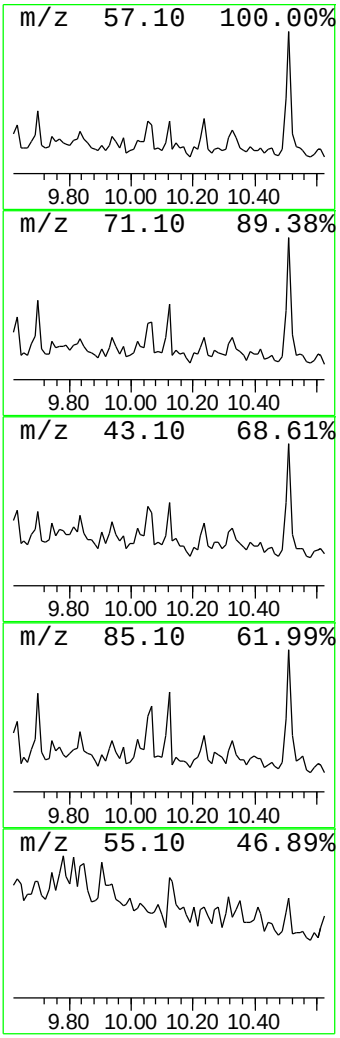
****

Peak Number 17 Dodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	20.00 ng	2939430	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	49
3	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	47
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	46
5	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

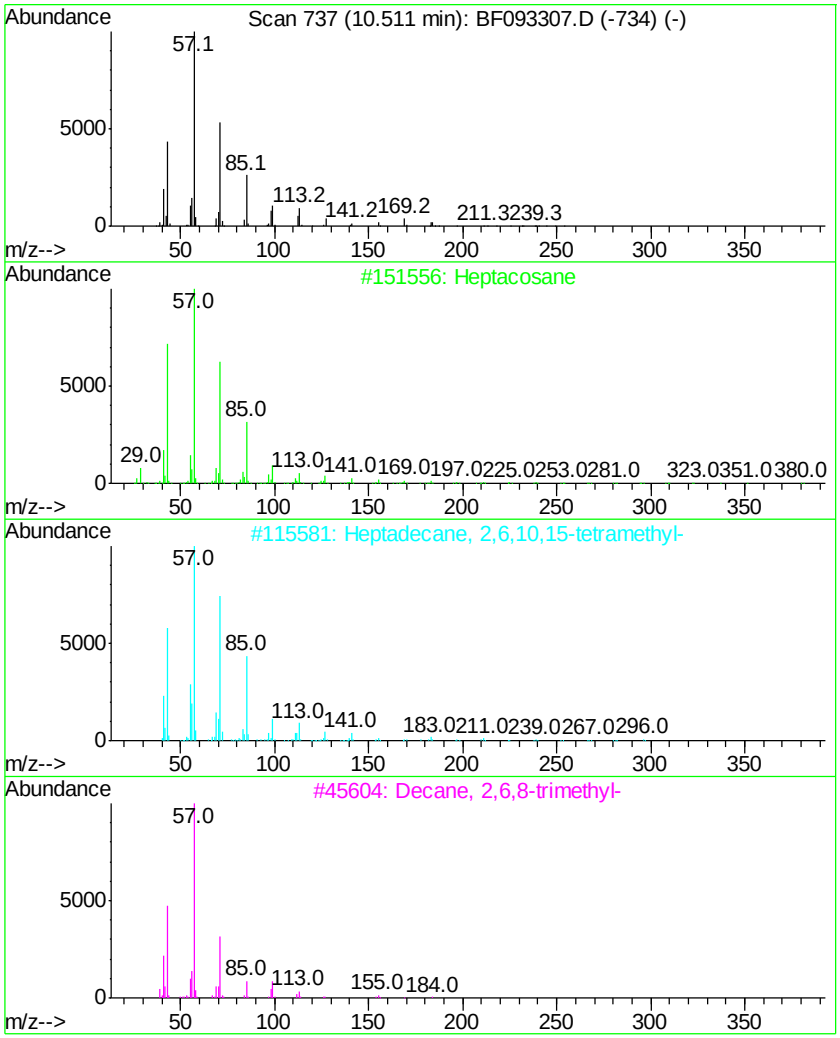
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

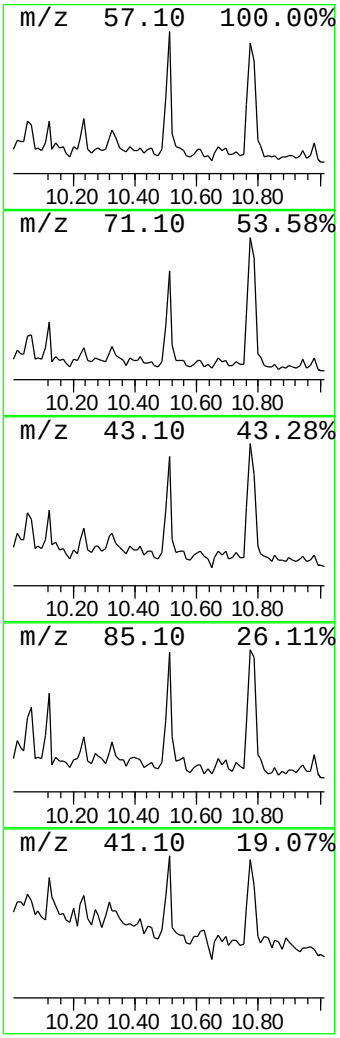
****

Peak Number 18 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	28.29 ng	4157440	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	78
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	68
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
5	Tridecane	184	C13H28	000629-50-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

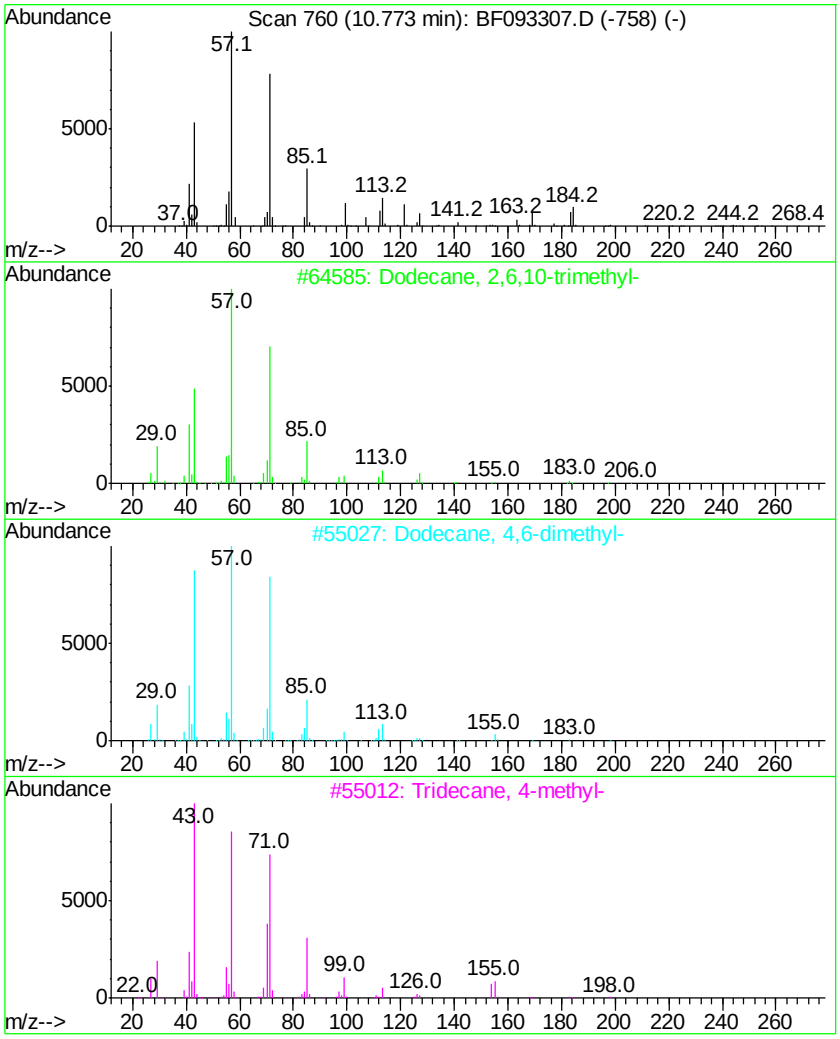
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

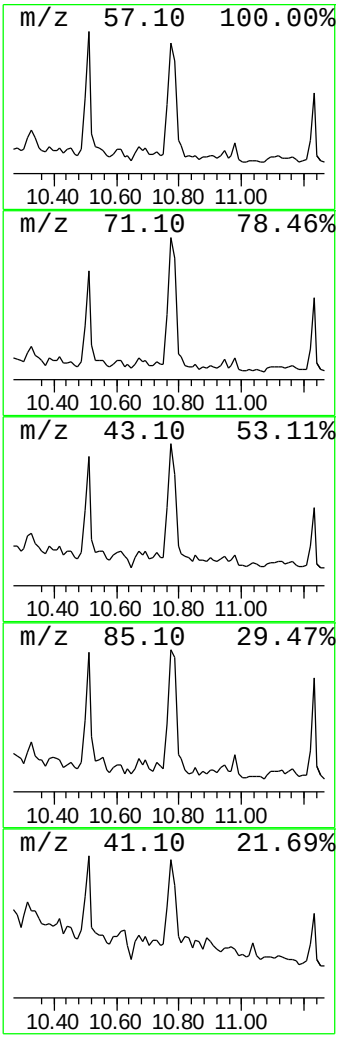
****

Peak Number 19 Dodecane, 2,6,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	50.93 ng	6021310	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	64
4	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	59
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

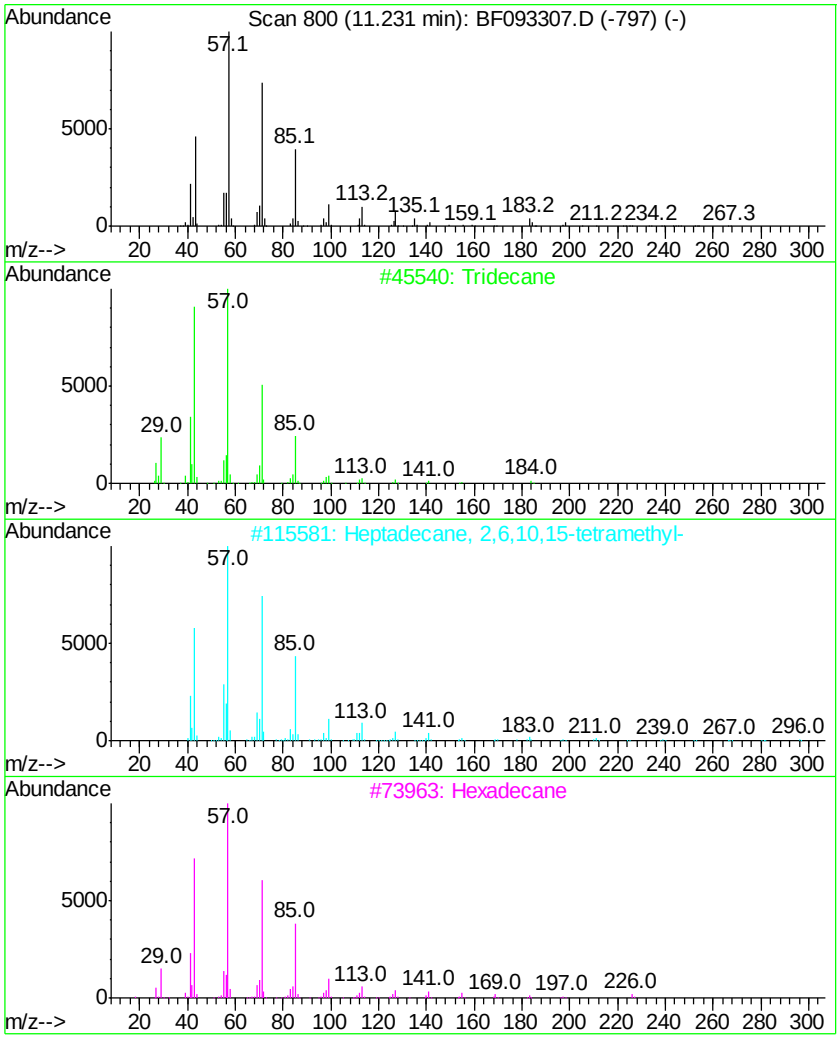
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

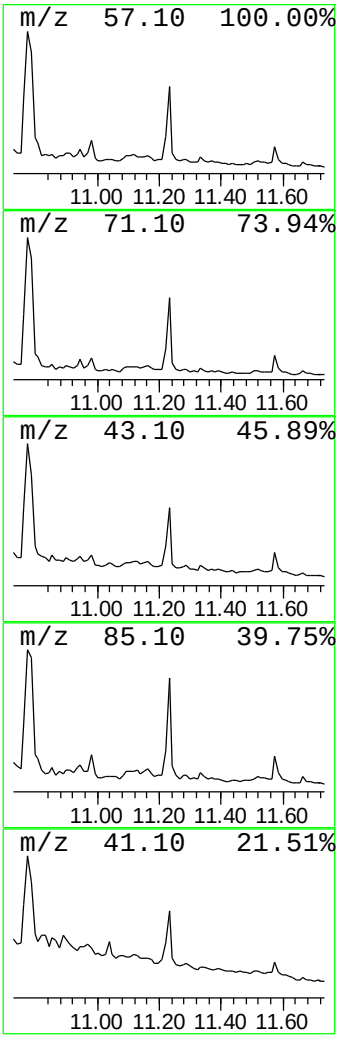
****

Peak Number 20 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	25.87 ng	3059040	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
3	Hexadecane	226	C16H34	000544-76-3	78
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSP-9(5.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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
unknown6.04	6.04	34.7	ng	5441240	1	6.81	3132790	20.0
Cyclohexane, 1-et...	6.12	18.7	ng	2929310	1	6.81	3132790	20.0
Undecane, 5,6-dim...	6.24	18.5	ng	2892990	1	6.81	3132790	20.0
Cyclohexane, 1,1,...	6.33	42.1	ng	6590230	1	6.81	3132790	20.0
Cyclohexane, 1-me...	6.54	30.0	ng	4705760	1	6.81	3132790	20.0
unknown6.58	6.58	27.9	ng	4363620	1	6.81	3132790	20.0
Cyclohexane, 1-me...	6.66	15.8	ng	2469210	1	6.81	3132790	20.0
1-Ethyl-2,2,6-tri...	7.08	44.8	ng	7019490	1	6.81	3132790	20.0
Naphthalene, deca...	7.21	40.4	ng	6333840	1	6.81	3132790	20.0
unknown7.47	7.47	23.4	ng	5246700	2	8.11	4478120	20.0
trans-Decalin, 2-...	7.63	19.6	ng	4382110	2	8.11	4478120	20.0
unknown7.74	7.74	33.3	ng	7460940	2	8.11	4478120	20.0
Benzene, 1,2,3,5-...	7.86	15.1	ng	3375060	2	8.11	4478120	20.0
unknown8.00	8.00	20.0	ng	4478120	2	8.11	4478120	20.0
Heptane, 3-ethyl-...	8.56	23.2	ng	5189780	2	8.11	4478120	20.0
Dodecane	10.12	20.0	ng	2939430	3	9.87	2939430	20.0
Heptacosane	10.51	28.3	ng	4157440	3	9.87	2939430	20.0
Dodecane, 2,6,10-...	10.77	50.9	ng	6021310	4	11.34	2364630	20.0
Tridecane	11.23	25.9	ng	3059040	4	11.34	2364630	20.0