LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

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-BF020116.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	2.716	53	55	60	rBV	45082	75964	1.10%	0.157%
2	4.167	179	182	187	rBV	243230	364299	5.25%	0.751%
3	4.864	240	243	245	rBV	1068097	1492679	21.52%	3.076%
4	5.299	279	281	284	rBV	2362078	2589315	37.34%	5.335%
5	5.710	314	317	319	rBV	243121	248833	3.59%	0.513%
6	6.350	371	373	376	rBV	1654828	1607704	23.18%	3.313%
7	6.476	381	384	387	rBV	4120716	4267518	61.54%	8.793%
8	6.705	402	404	407	rBV	1145883	1170198	16.87%	2.411%
9	6.865	415	418	420	rBV	4319903	4032086	58.14%	8.308%
10	6.910	420	422	423	rVV2	84087	113422	1.64%	0.234%
11	6.945	423	425	428	rVB3	75496	129463	1.87%	0.267%
12	7.230	446	450	451	rBV	61242	95389	1.38%	0.197%
13	7.276	451	454	457	rVV	2714694	3777333	54.47%	7.783%
14	7.539	474	477	478	rBV3	68891	94003	1.36%	0.194%
15	7.573	478	480	482	rVB	122964	154885	2.23%	0.319%
16	7.745	491	495	499	rBV4	67858	144353	2.08%	0.297%
17	7.996	514	517	519	rBV	1807355	1673976	24.14%	3.449%
18	8.122	524	528	530	rBV3	63425	123797	1.79%	0.255%
19	8.213	532	536	538	rBV	60857	81826	1.18%	0.169%
20	8.350	544	548	549	rBV	50880	87171	1.26%	0.180%
21	8.419	553	554	558	rVV3	51823	118908	1.71%	0.245%
22	8.533	561	564	565	rBV	90444	96419	1.39%	0.199%
23	8.739	577	582	584	rBV5	71395	168156	2.42%	0.346%
24	8.830	587	590	591	rBV2	78394	122190	1.76%	0.252%
25	8.956	597	601	603	rBV2	66947	156137	2.25%	0.322%
26	9.036	605	608	609	rVV2	55139	81639	1.18%	0.168%
27	9.082	609	612	614	rVV	6072278	6934703	100.00%	14.289%
28	9.128	614	616	617	rVB	54465	72745	1.05%	0.150%
29	9.265	624	628	630	rVB3	99527	204254	2.95%	0.421%
30	9.368	635	637	639	rBV2	87281	124346	1.79%	0.256%
31	9.413	639	641	643	rVV2	85182	120318	1.74%	0.248%
32	9.471	644	646	649	rVV2	85929	138015	1.99%	0.284%
33	9.551	651	653	656	rBV2	179823	269901	3.89%	0.556%
34	9.745	667	670	673	rBV	1492825	1726603	24.90%	3.558%

LSC Area Percent Report

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Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.813	674	676	680	rBV5	36606	83844	1.21%	0.173%
36	9.951	685	688	691	rBV	91595	202276	2.92%	0.417%
37	10.019	691	694	695	rVV2	109295	192610	2.78%	0.397%
38	10.042	695	696	698	rVV2	159018	278859	4.02%	0.575%
39	10.088	698	700	706	rVV5	185926	414983	5.98%	0.855%
40	10.191	707	709	714	rVB2	113090	155861	2.25%	0.321%
41	10.534	736	739	742	rBV2	2709745	4066754	58.64%	8.380%
42	10.659	749	750	755	rVB	81765	128548	1.85%	0.265%
43	11.105	787	789	790	rVB	118249	108773	1.57%	0.224%
44	11.231	797	800	802	rBV	1803776	1666625	24.03%	3.434%
45	11.779	846	848	851	rVB2	102022	135055	1.95%	0.278%
46	12.819	936	939	941	rBV	5635891	5717366	82.45%	11.781%
47	13.722	1017	1018	1023	rVB	142174	207152	2.99%	0.427%
48	13.860	1027	1030	1032	rBV	1587574	1481077	21.36%	3.052%
49	15.243	1148	1151	1154	rBV	825401	1032401	14.89%	2.127%

Sum of corrected areas: 48530732

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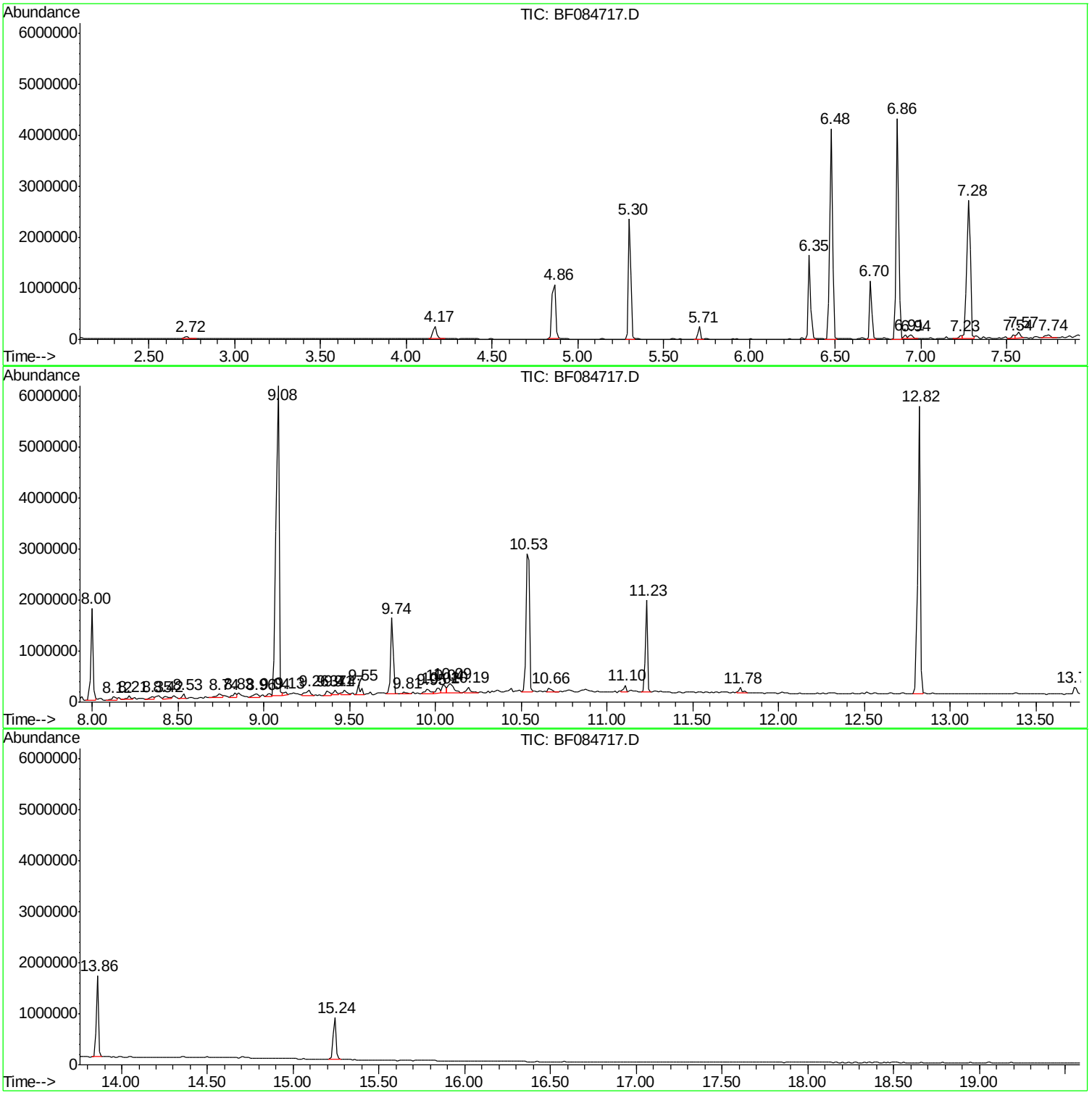
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

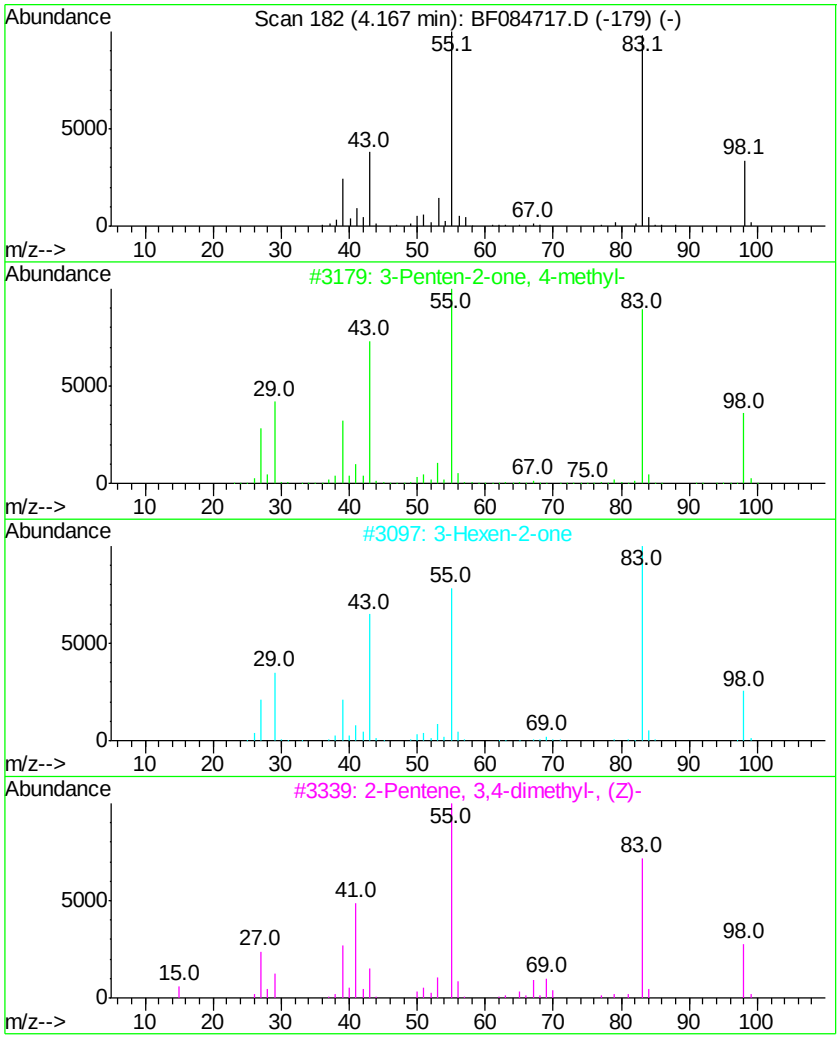
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

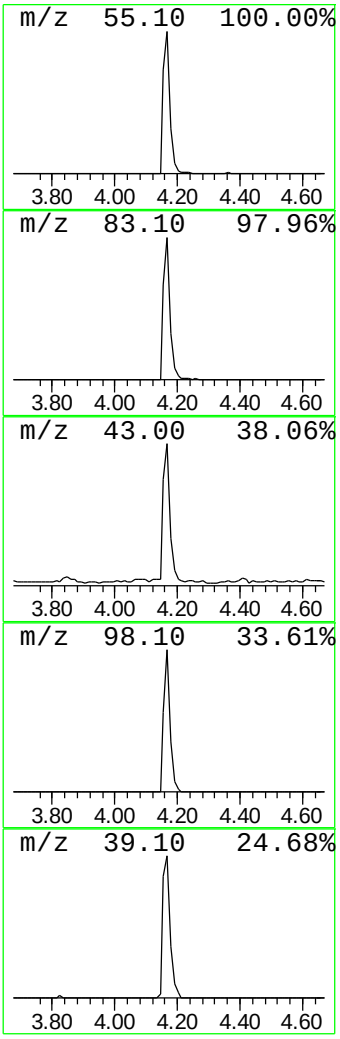
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	6.23 ng	364299	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	86
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

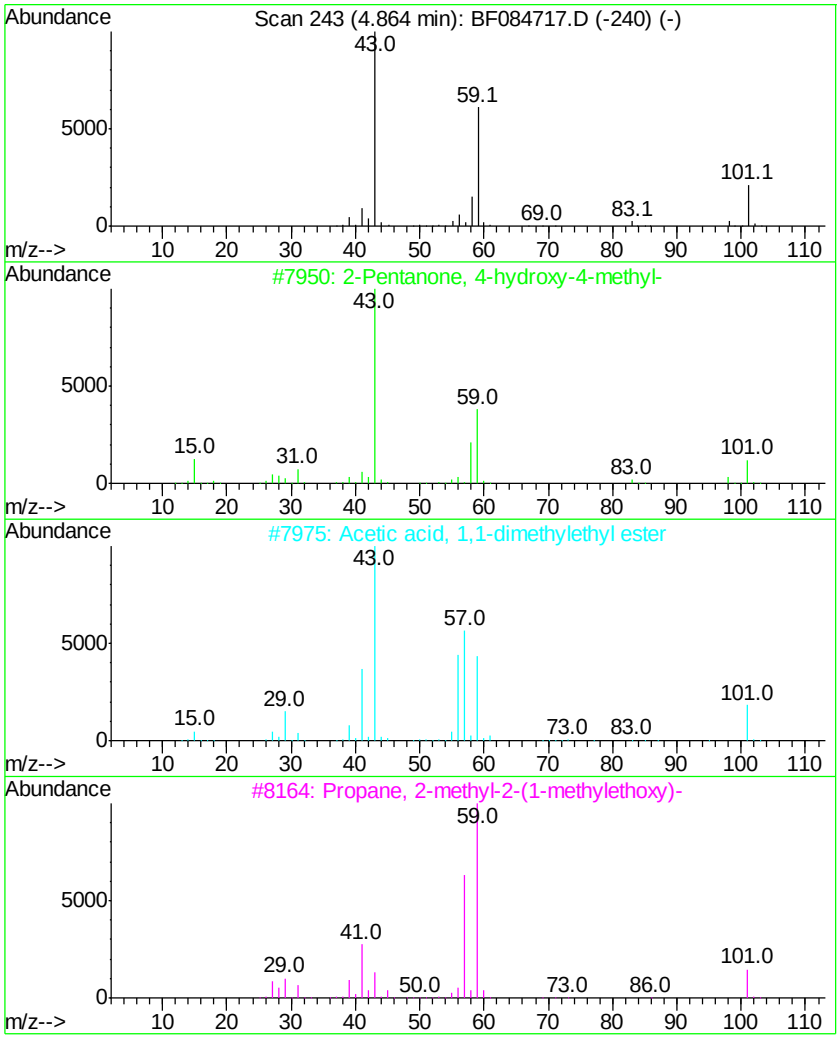
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

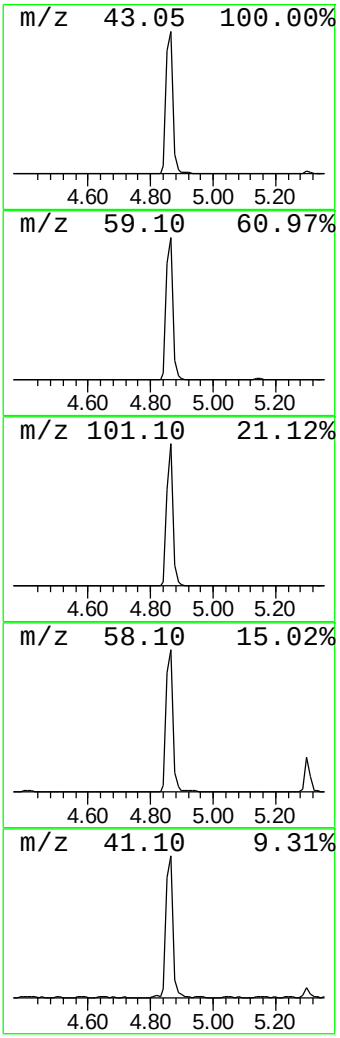
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	25.51 ng	1492680	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

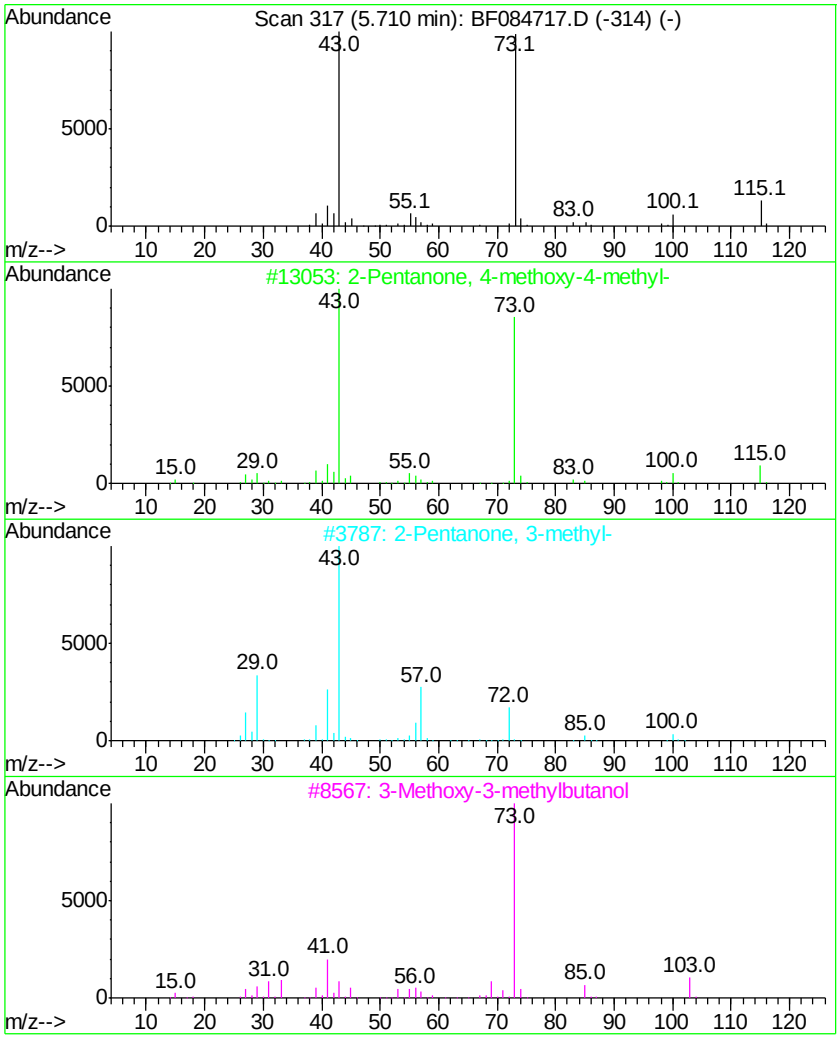
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

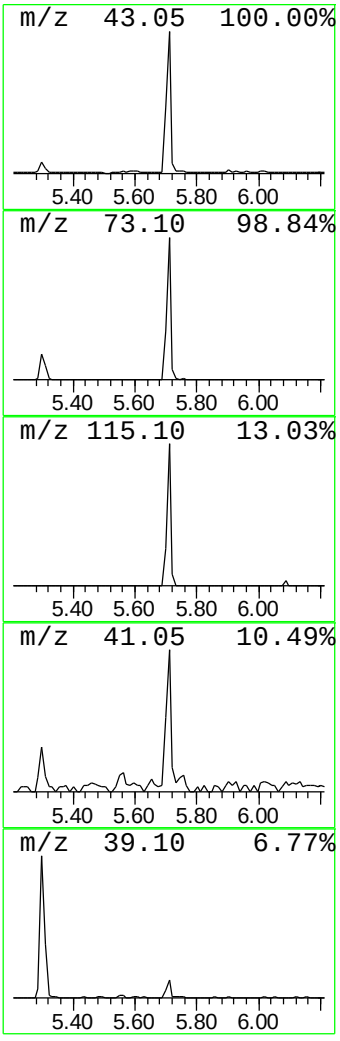
****

Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	4.25 ng	248833	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	10
3	3-Methoxy-3-methylbutanol	118	C6H14O2	056539-66-3	10
4	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
5	1-Methoxyethanimine, N-acetyl-	115	C5H9NO2	099028-43-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

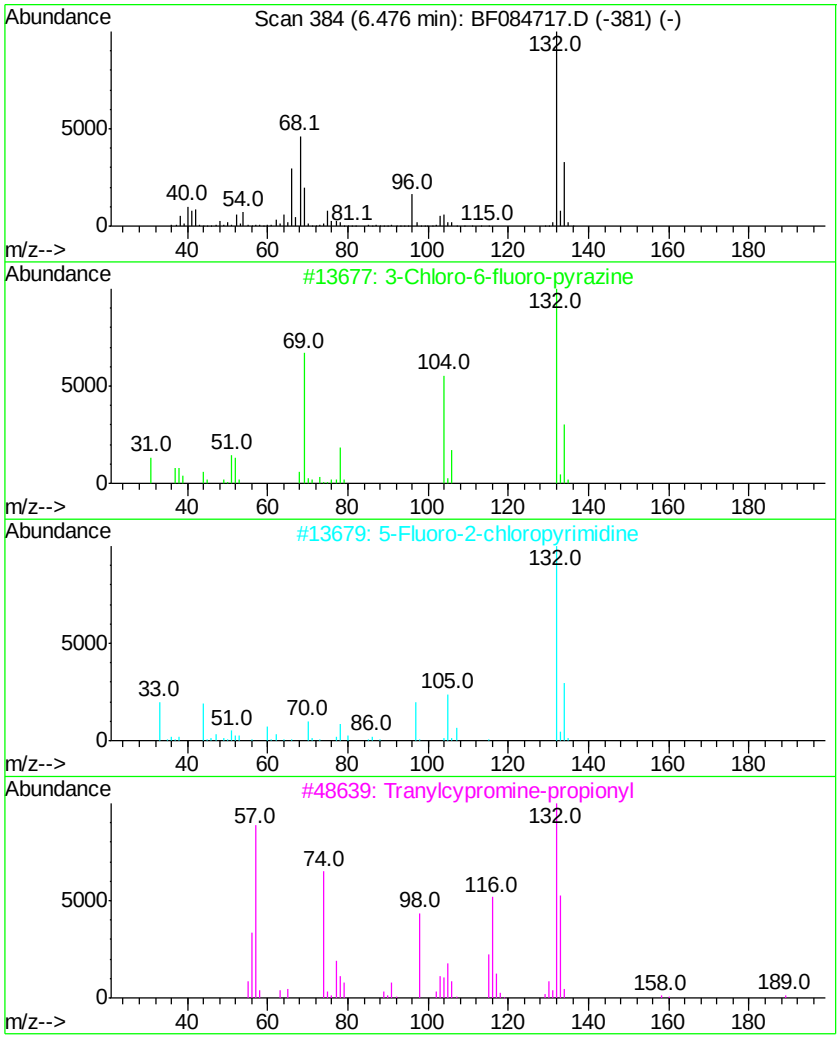
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

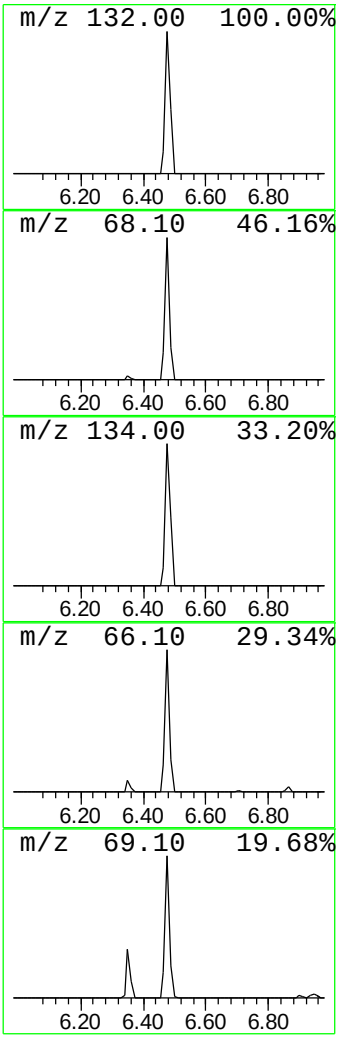
****

Peak Number 4 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	72.94 ng	4267520	1,4-Dichlorobenzene-d4	6.70

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	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

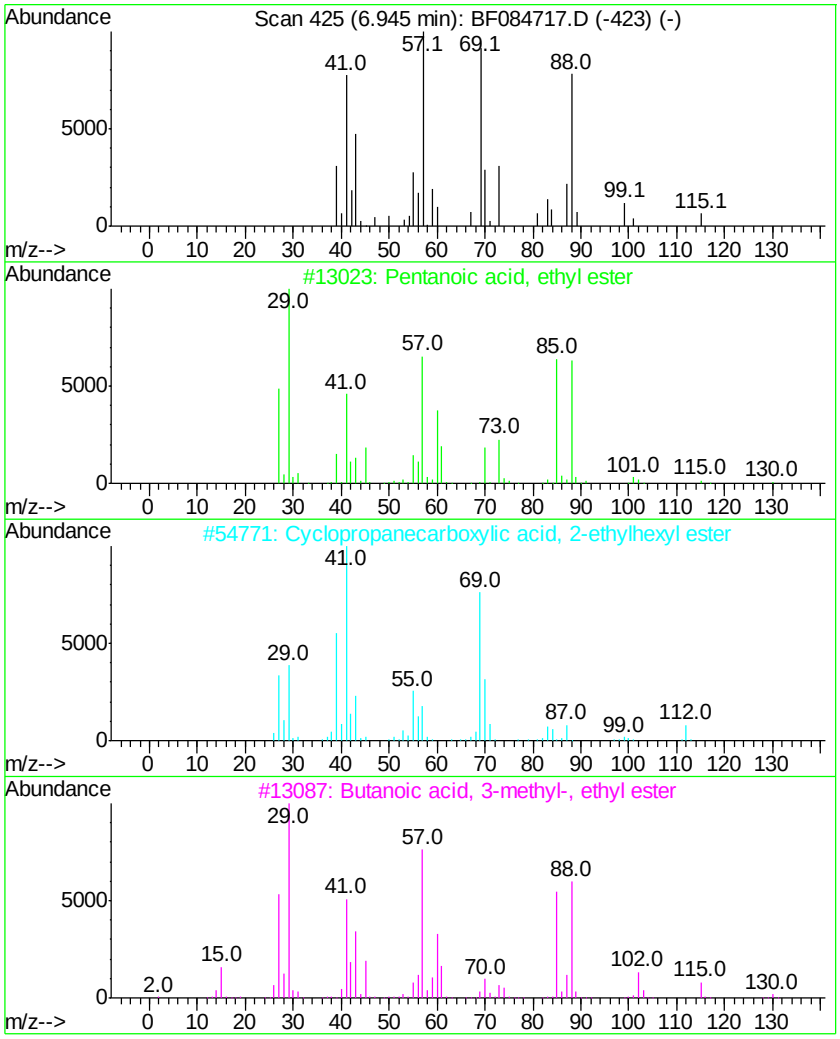
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

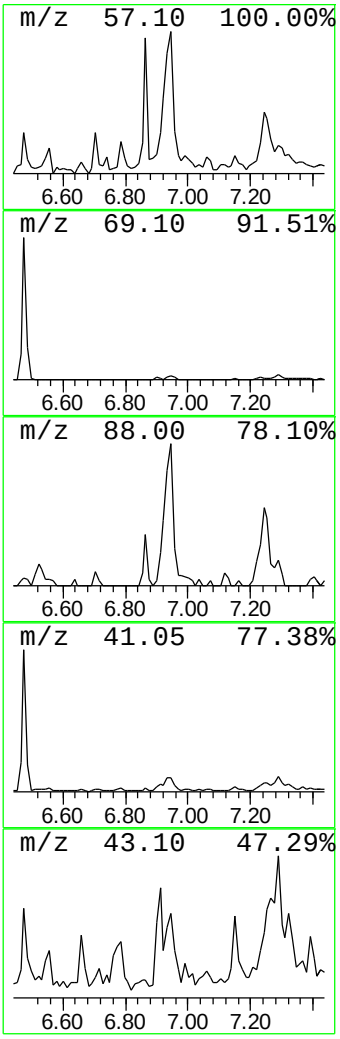
****

Peak Number 6 unknown6.94 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	2.21 ng	129463	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	32
2	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	27
3	Butanoic acid, 3-methyl-, ethyl ...	130	C7H14O2	000108-64-5	25
4	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	25
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	12





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Sample : H1283-02
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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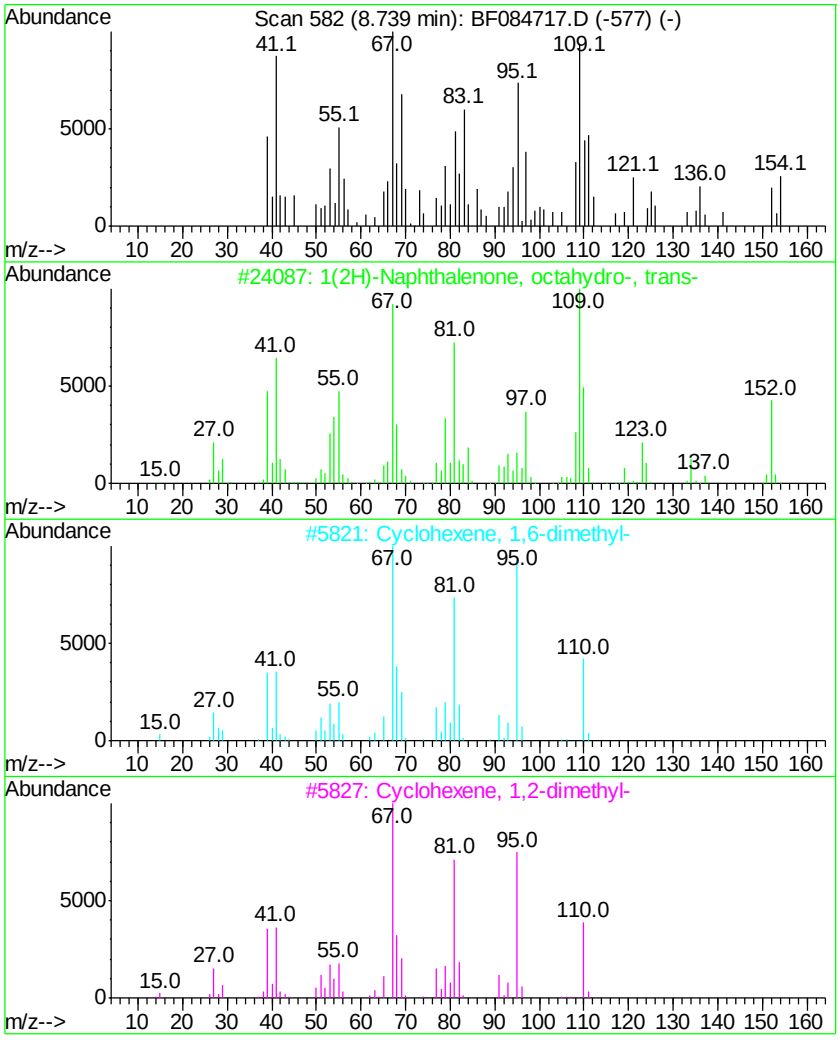
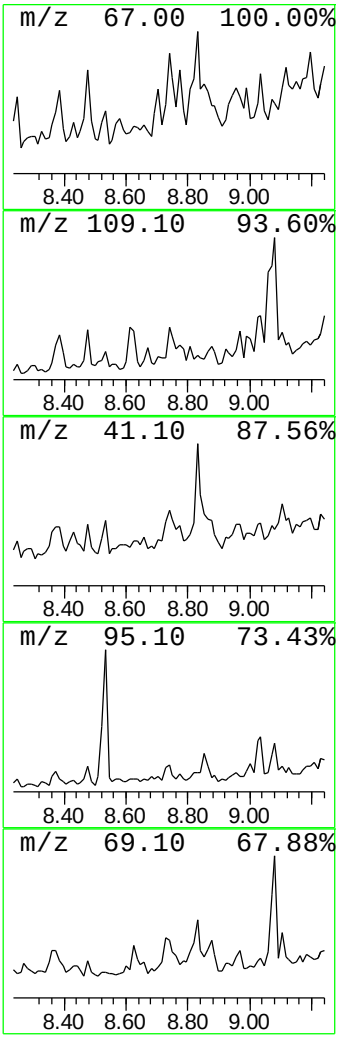
Peak Number 7 1(2H)-Naphthalenone, octahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	2.01 ng	168156	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Naphthalenone, octahydro-,...	152	C10H16O	021370-71-8	55
2	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	42
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	42
4	Endo-tricyclo[5.2.1.0(2.6)]decane	136	C10H16	1000215-28-8	38
5	2H-Inden-2-one, octahydro-3a-met...	152	C10H16O	013351-29-6	38





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Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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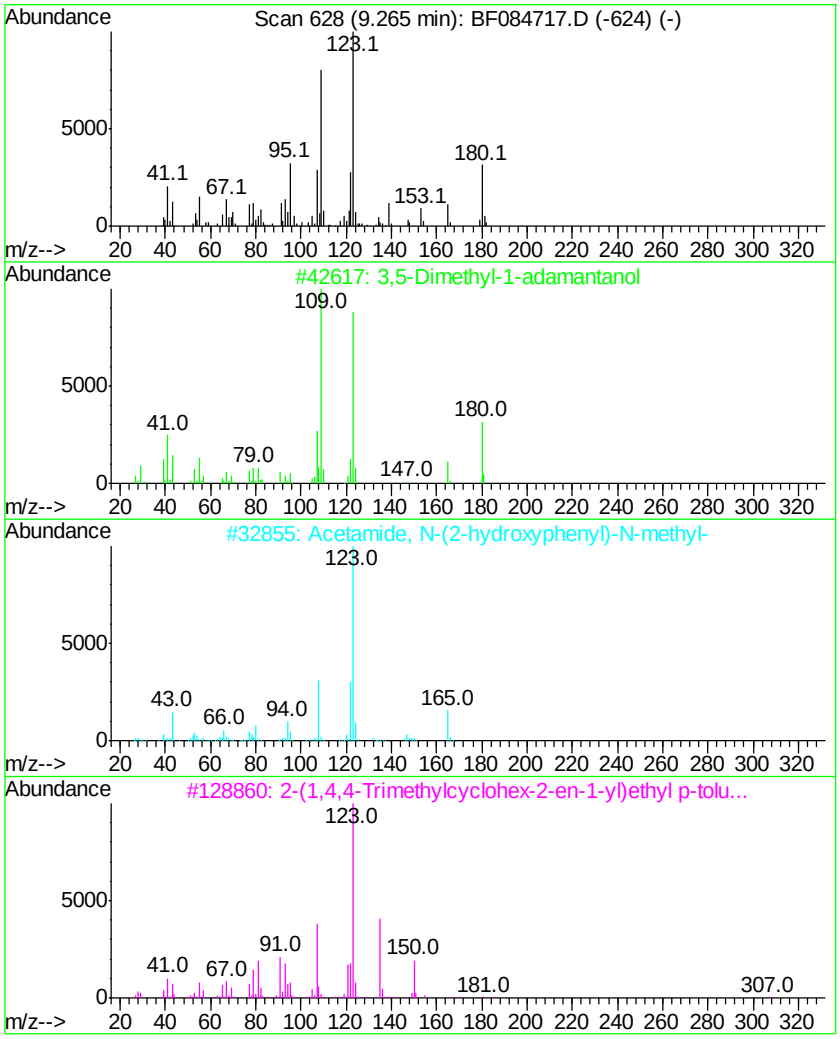
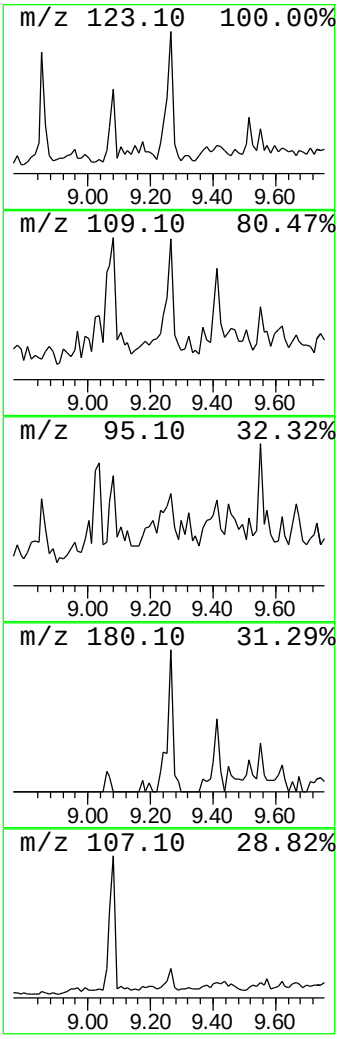
Peak Number 8 3,5-Dimethyl-1-adamantanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	2.37 ng	204254	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	81
2	Acetamide, N-(2-hydroxyphenyl)-N...	165	C9H11NO2	000573-27-3	30
3	2-(1,4,4-Trimethylcyclohex-2-en-...	322	C18H26O3S	1000195-70-2	27
4	Diethyl cyanomethylphosphonate	177	C6H12NO3P	002537-48-6	22
5	2-(2-Hydroxycyclohexyl)-furan	166	C10H14O2	1000145-92-8	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

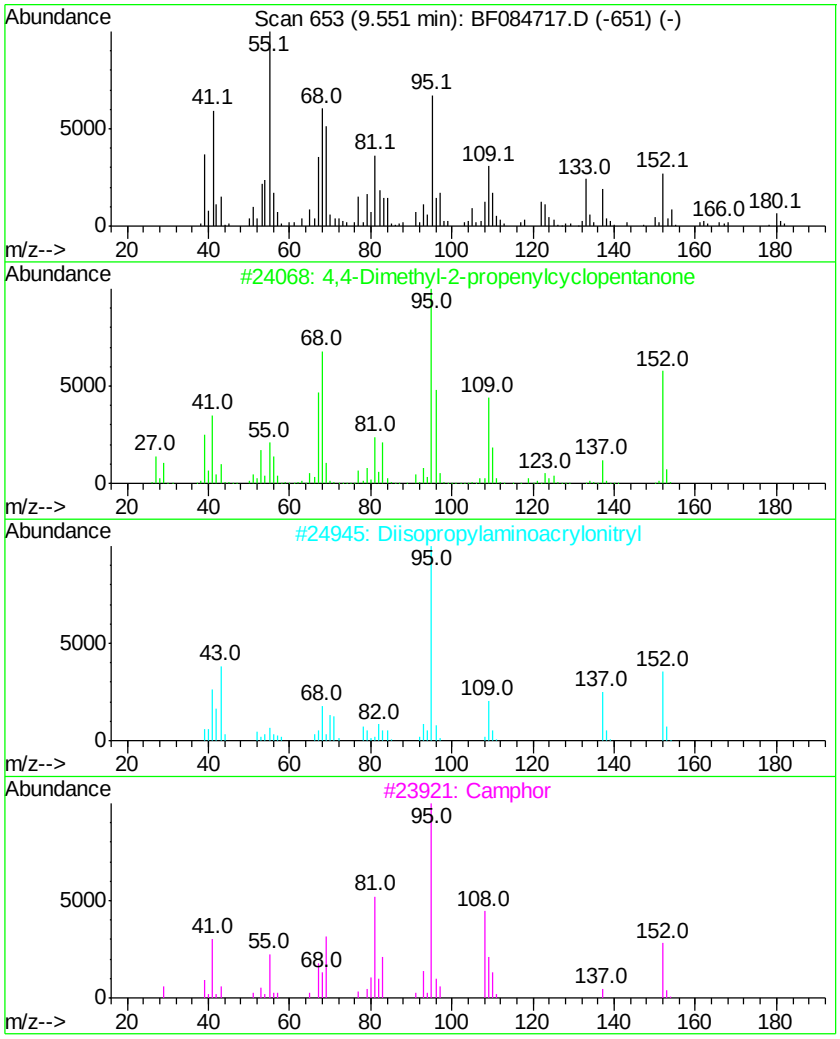
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

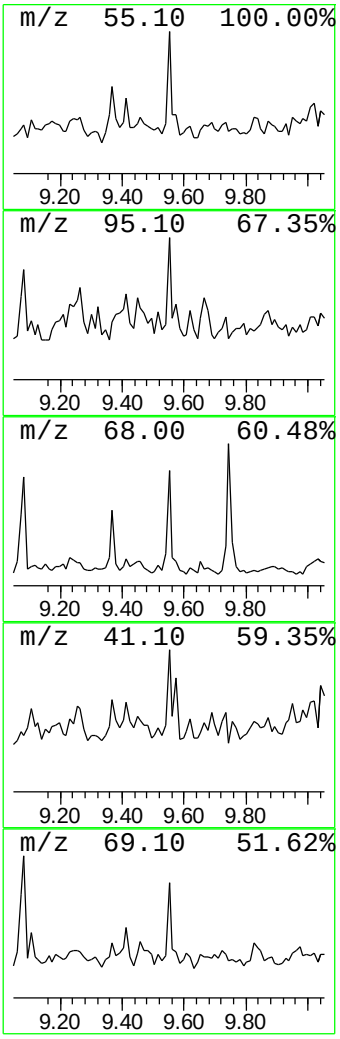
****

Peak Number 9 4,4-Dimethyl-2-propenylcycl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	3.13 ng	269901	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4-Dimethyl-2-propenylcyclopent...	152	C10H16O	068261-88-1	70
2	Diisopropylaminoacrylonitryl	152	C9H16N2	038691-28-0	43
3	Camphor	152	C10H16O	000076-22-2	41
4	Bicyclo[3.1.0]hexan-2-one, 4-met...	152	C10H16O	002506-61-8	38
5	trans,trans-2,9-Undecadiene	152	C11H20	022057-21-2	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084717.D
Acq On : 1 Feb 2016 18:57
Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

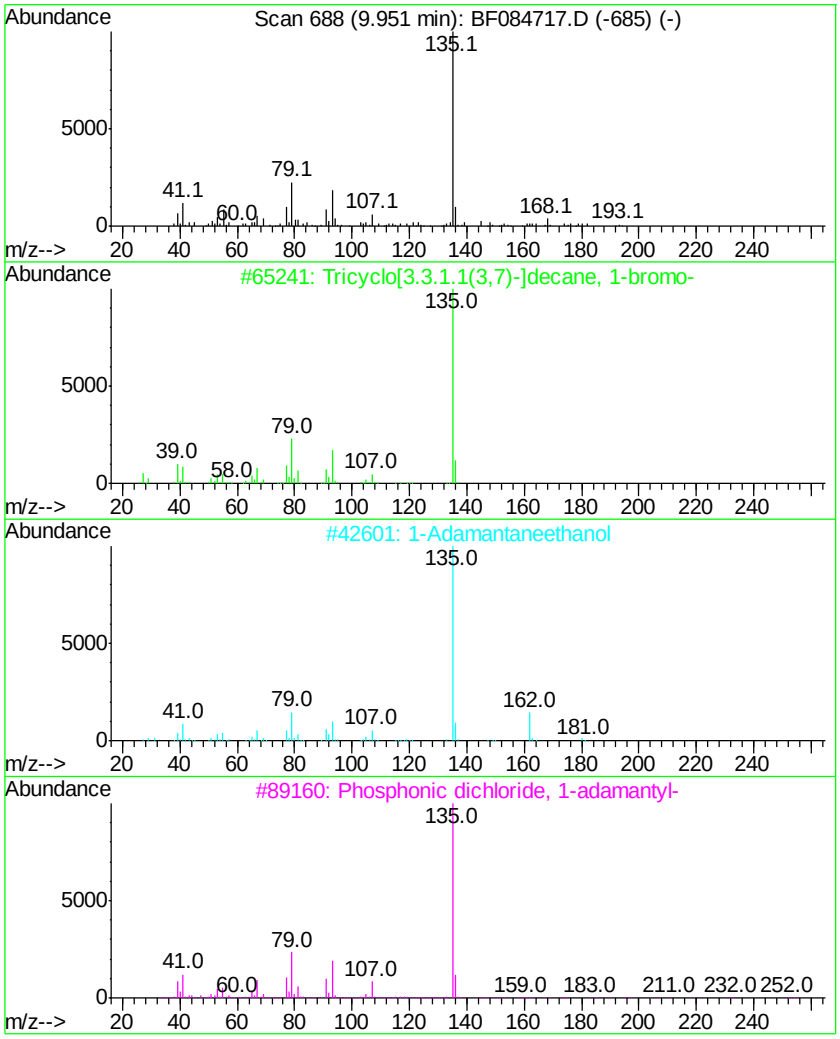
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

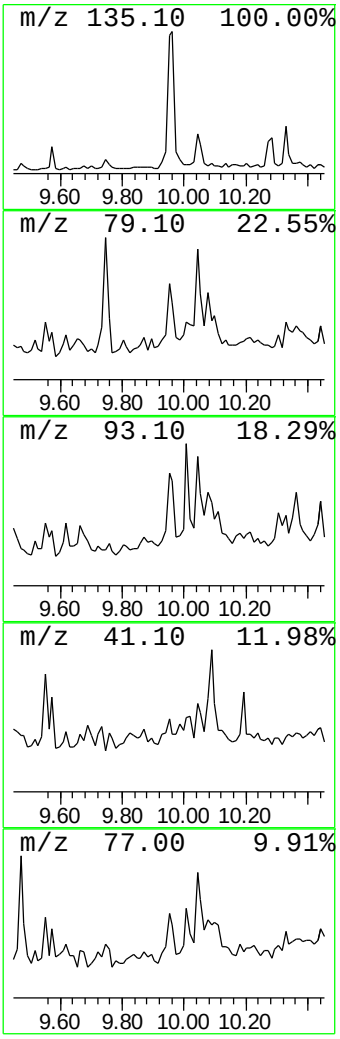
****

Peak Number 10 Tricyclo[3.3.1.1(3,7)-]deca... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	2.34 ng	202276	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)-]decane, 1...	214	C10H15Br	000768-90-1	86
2	1-Adamantaneethanol	180	C12H20O	006240-11-5	81
3	Phosphonic dichloride, 1-adamantyl-	252	C10H15Cl2OP	1000294-15-7	78
4	1-Adamantan-1-yl-6-chloro-7-fluo...	375	C20H19ClFNO3	1000210-85-1	78
5	2-Iodoadamantane	262	C10H15I	018971-91-0	78





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Sample : H1283-02
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Instrument : BNA_F
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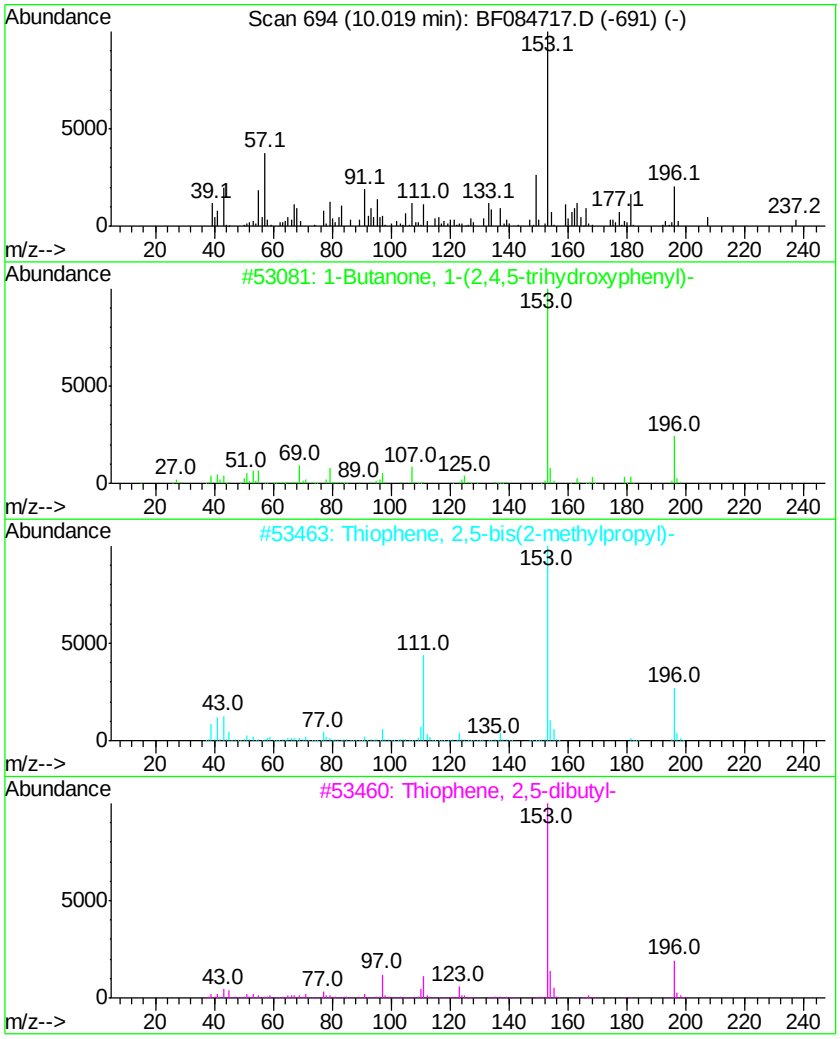
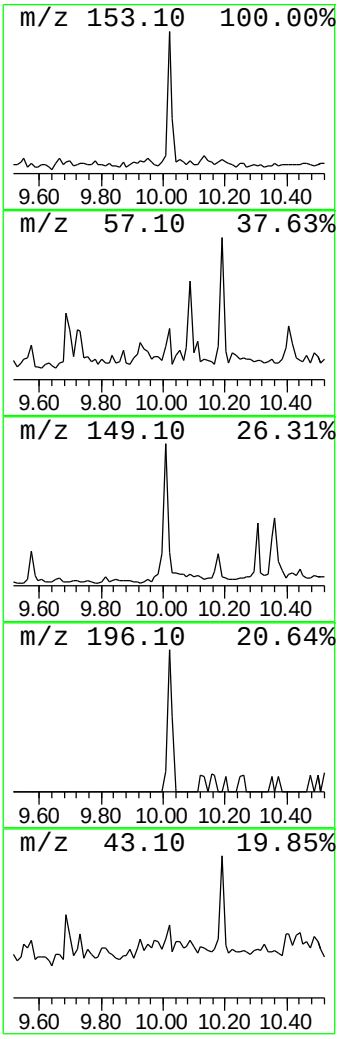
Peak Number 11 unknown10.02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	2.23 ng	192610	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanone, 1-(2,4,5-trihydroxyp...	196	C10H12O4	001421-63-2	49
2	Thiophene, 2,5-bis(2-methylpropyl)-	196	C12H20S	054845-33-9	43
3	Thiophene, 2,5-dibutyl-	196	C12H20S	006911-45-1	43
4	4-Methyl-1-(2-thienyl)-1,3-penta...	196	C10H12O2S	030984-27-1	37
5	Phenol, 5-methoxy-2-nitroso-	153	C7H7NO3	013895-38-0	35





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Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
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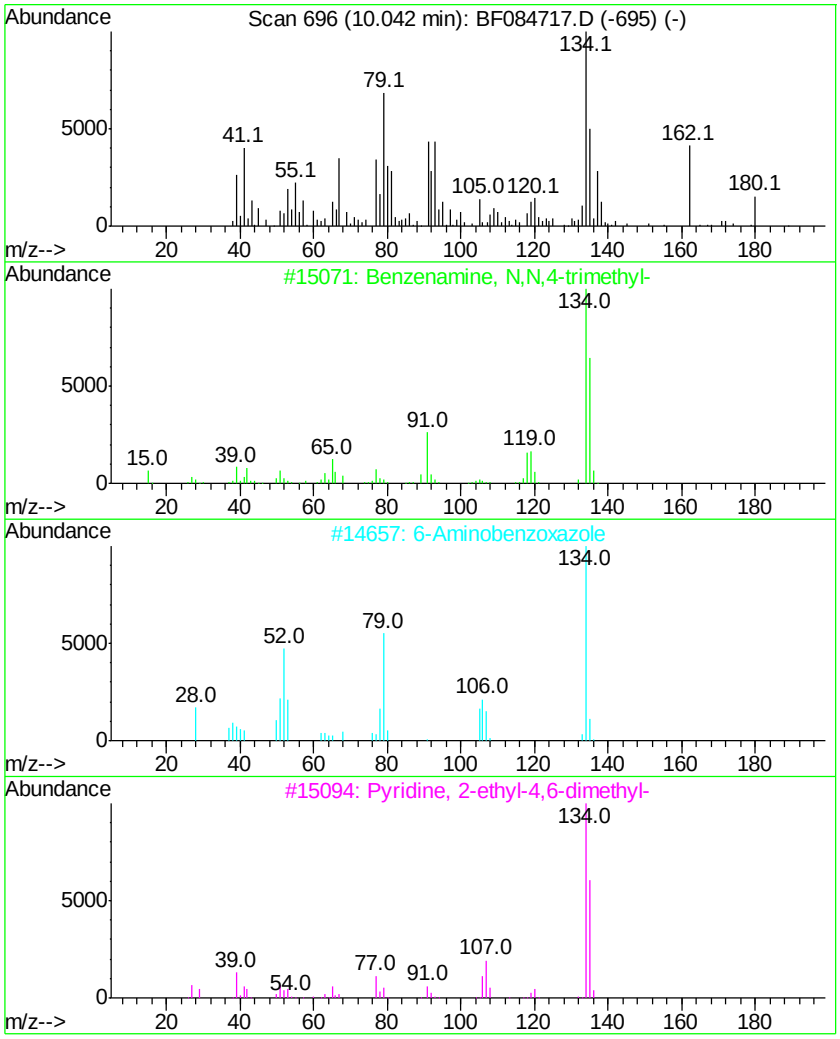
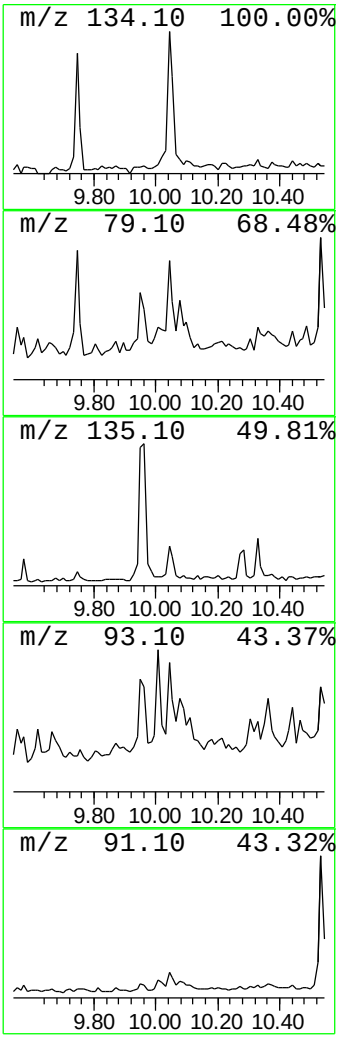
Peak Number 12 unknown10.04 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	3.23 ng	278859	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, N,N,4-trimethyl-	135	C9H13N	000099-97-8	30
2	6-Aminobenzoxazole	134	C7H6N2O	177492-52-3	27
3	Pyridine, 2-ethyl-4,6-dimethyl-	135	C9H13N	001124-35-2	27
4	Benzimidazole, 2-ethoxy-	162	C9H10N2O	022219-23-4	27
5	1H-Purine, 2-methyl-	134	C6H6N4	000934-23-6	27





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Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
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TIC Library : C:\DATABASE\NIST02.L
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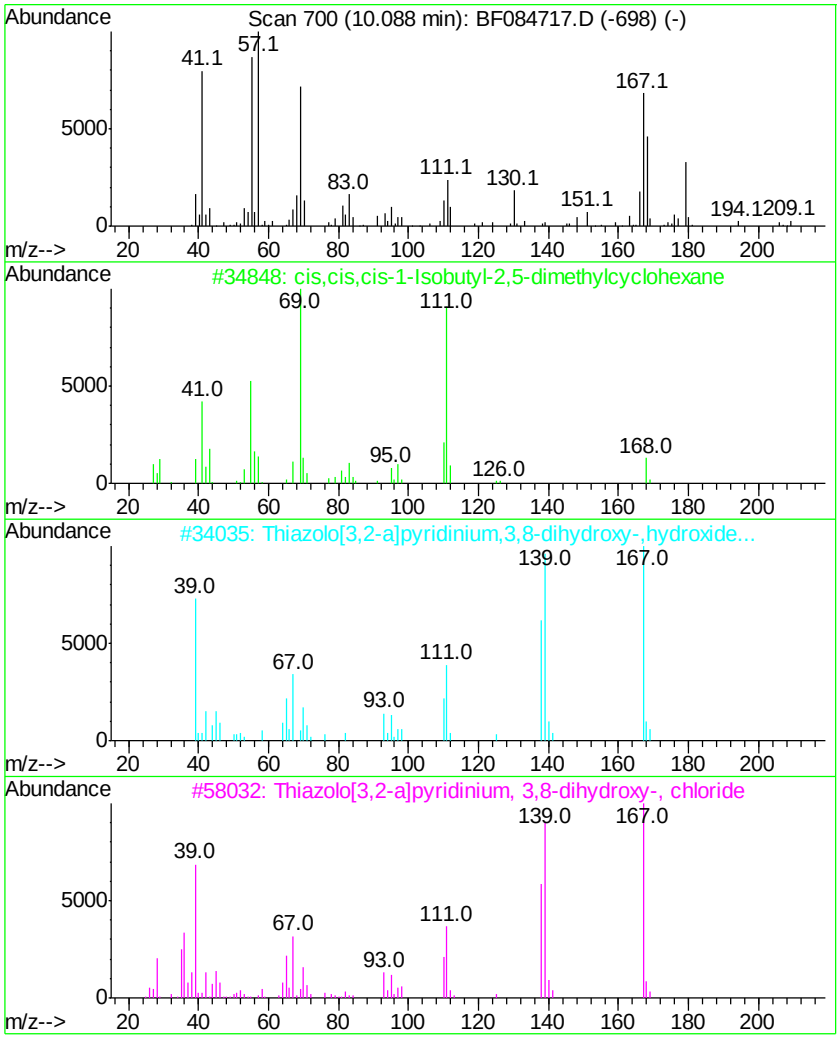
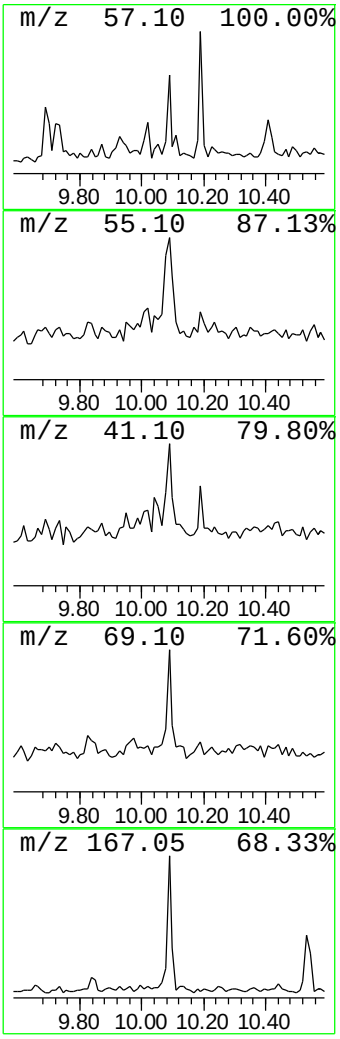
Peak Number 13 unknown10.09 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	4.81 ng	414983	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	27
2	Thiazolo[3,2-a]pyridinium,3,8-di...	167	C7H5NO2S	035143-55-6	25
3	Thiazolo[3,2-a]pyridinium, 3,8-d...	203	C7H6ClNO2S	057197-33-8	17
4	1-Methylpyridin(2H)-2-one-5-carb...	167	C8H9NO3	006375-89-9	14
5	2-tert-Butyl-1,2,4-triaza-spiro[...	241	C12H23N3S	1000295-34-6	12





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Operator : SJ/IZ
Sample : H1283-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0538

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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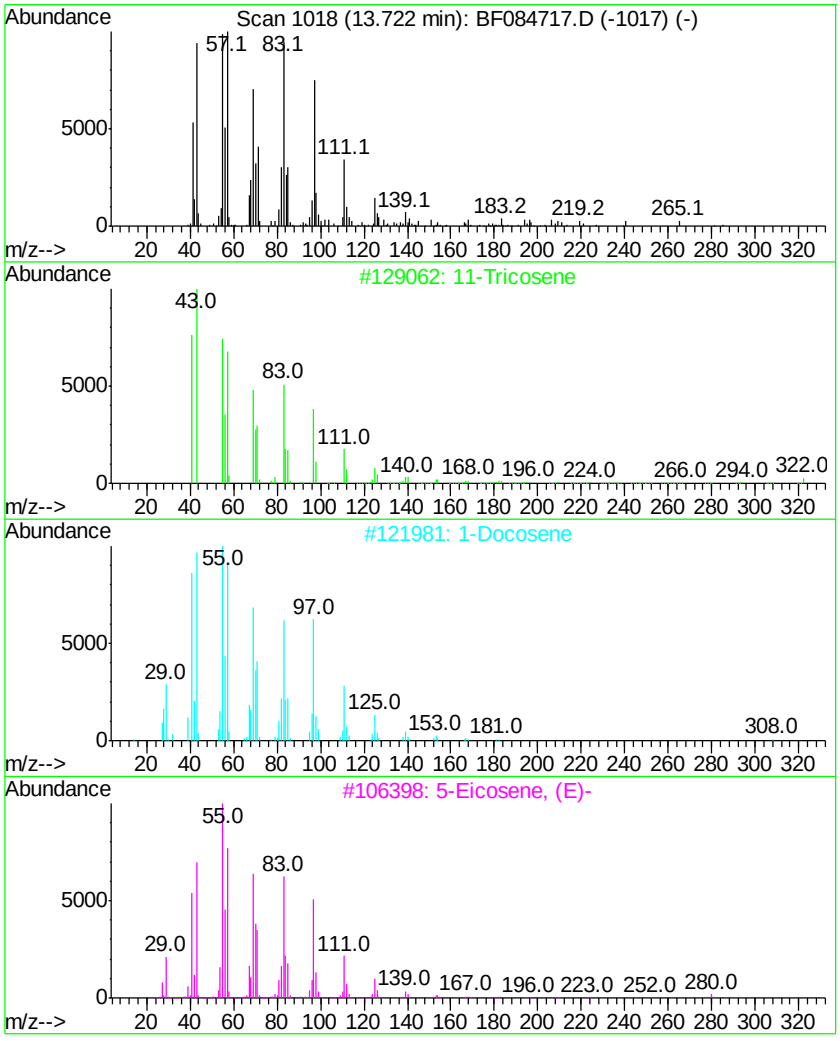
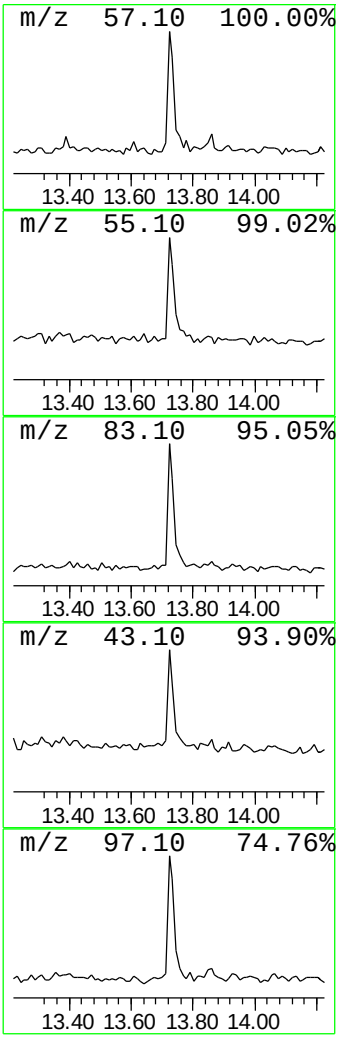
Peak Number 14 11-Tricosene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.80 ng	207152	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Tricosene	322	C23H46	052078-56-5	91
2	1-Docosene	308	C22H44	001599-67-3	87
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	87
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	76
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	70





Tentatively Identified Compound (LSC) summary

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Operator : SJ/IZ
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Misc :
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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
3-Penten-2-one, 4...	4.17	6.2	ng	364299	1	6.70	1170200	20.0
2-Pentanone, 4-hy...	4.86	25.5	ng	1492680	1	6.70	1170200	20.0
2-Pentanone, 4-me...	5.71	4.3	ng	248833	1	6.70	1170200	20.0
unknown6.48	6.48	72.9	ng	4267520	1	6.70	1170200	20.0
unknown6.94	6.94	2.2	ng	129463	1	6.70	1170200	20.0
1(2H)-Naphthaleno...	8.74	2.0	ng	168156	2	8.00	1673980	20.0
3,5-Dimethyl-1-ad...	9.26	2.4	ng	204254	3	9.74	1726600	20.0
4,4-Dimethyl-2-pr...	9.55	3.1	ng	269901	3	9.74	1726600	20.0
Tricyclo[3.3.1.1(...	9.95	2.3	ng	202276	3	9.74	1726600	20.0
unknown10.02	10.02	2.2	ng	192610	3	9.74	1726600	20.0
unknown10.04	10.04	3.2	ng	278859	3	9.74	1726600	20.0
unknown10.09	10.09	4.8	ng	414983	3	9.74	1726600	20.0
11-Tricosene	13.72	2.8	ng	207152	5	13.86	1481080	20.0