LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082066.D
Acq On : 6 Oct 2015 2:01
Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

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-BF092815.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	3.440	108	114	117	rVB2	19933	40843	1.46%	0.046%
2	4.480	202	205	210	rVB2	108780	161633	5.79%	0.183%
3	4.583	210	214	217	rVB	37985	49984	1.79%	0.057%
4	4.743	225	228	233	rBV4	27496	75288	2.70%	0.085%
5	4.971	244	248	253	rBV6	84029	218876	7.85%	0.248%
6	5.086	253	258	260	rBV2	769288	1712894	61.40%	1.939%
7	5.166	263	265	266	rBV	52975	58038	2.08%	0.066%
8	5.269	271	274	276	rBV	275750	351644	12.60%	0.398%
9	5.303	276	277	279	rVB	65100	56784	2.04%	0.064%
10	5.337	279	280	282	rBV2	35455	50307	1.80%	0.057%
11	5.486	287	293	296	rBV	1523290	2430389	87.12%	2.752%
12	5.554	296	299	301	rVB2	295589	262825	9.42%	0.298%
13	5.600	301	303	304	rVB2	85442	105562	3.78%	0.120%
14	5.646	304	307	309	rBV2	330733	561599	20.13%	0.636%
15	5.680	309	310	312	rVB	87213	60245	2.16%	0.068%
16	5.749	312	316	317	rBV3	159511	316425	11.34%	0.358%
17	5.794	317	320	323	rVB	223554	242617	8.70%	0.275%
18	5.886	325	328	331	rVB3	557853	1066822	38.24%	1.208%
19	5.943	331	333	334	rBV	176078	262137	9.40%	0.297%
20	5.966	334	335	339	rVB4	35405	57350	2.06%	0.065%
21	6.023	339	340	342	rVB	229150	268417	9.62%	0.304%
22	6.069	342	344	346	rBV2	255676	380544	13.64%	0.431%
23	6.126	346	349	352	rBV3	380141	868964	31.15%	0.984%
24	6.183	352	354	355	rBV	563551	582121	20.87%	0.659%
25	6.217	355	357	358	rBV2	259092	419007	15.02%	0.474%
26	6.263	360	361	363	rVB2	208836	188164	6.74%	0.213%
27	6.309	363	365	367	rBV	380272	614445	22.02%	0.696%
28	6.366	367	370	372	rVB4	465383	878856	31.50%	0.995%
29	6.412	372	374	377	rBV2	1420866	1936076	69.40%	2.192%
30	6.526	377	384	385	rBV	1921852	2601649	93.25%	2.946%
31	6.549	385	386	388	rBV2	513141	503392	18.04%	0.570%
32	6.652	391	395	398	rVB	1744374	2770676	99.31%	3.137%
33	6.743	399	403	404	rVB3	396631	649083	23.27%	0.735%
34	6.789	404	407	409	rBV3	287827	769359	27.58%	0.871%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SS-8(0-24)

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.846	409	412	413	rBV2	344126	482432	17.29%	0.546%
36	6.892	413	416	419	rVB3	1152466	1969286	70.59%	2.230%
37	6.949	419	421	422	rBV	400201	551744	19.78%	0.625%
38	6.972	422	423	424	rBV	265445	263943	9.46%	0.299%
39	7.006	424	426	427	rBV2	353657	407214	14.60%	0.461%
40	7.040	427	429	434	rVB2	1413299	2789826	100.00%	3.159%
41	7.109	434	435	437	rBV2	262179	425438	15.25%	0.482%
42	7.155	437	439	441	rVB2	890520	1071871	38.42%	1.214%
43	7.200	441	443	444	rBV2	160545	305598	10.95%	0.346%
44	7.223	444	445	447	rVB2	319810	337310	12.09%	0.382%
45	7.280	447	450	451	rBV2	865150	1021512	36.62%	1.157%
46	7.315	451	453	456	rVB3	480789	736099	26.39%	0.833%
47	7.429	459	463	464	rBV3	572517	1432295	51.34%	1.622%
48	7.463	464	466	470	rVB2	1271880	1915230	68.65%	2.169%
49	7.532	470	472	474	rVB2	885927	1212508	43.46%	1.373%
50	7.600	474	478	480	rBV4	561408	1735136	62.20%	1.965%
51	7.669	482	484	485	rBV2	1010003	954883	34.23%	1.081%
52	7.772	491	493	494	rBV	629265	611002	21.90%	0.692%
53	7.817	494	497	499	rBV3	1197951	1723794	61.79%	1.952%
54	7.863	499	501	502	rVB2	467517	597785	21.43%	0.677%
55	7.920	504	506	509	rVB4	802820	1188963	42.62%	1.346%
56	7.966	509	510	511	rBV	260447	246958	8.85%	0.280%
57	8.046	516	517	519	rBV2	319059	444734	15.94%	0.504%
58	8.126	522	524	525	rBV2	505595	848939	30.43%	0.961%
59	8.183	525	529	532	rVV5	1002832	2610435	93.57%	2.956%
60	8.240	532	534	535	rVB2	1825385	2020227	72.41%	2.287%
61	8.263	535	536	540	rVB3	886649	1439934	51.61%	1.630%
62	8.355	540	544	545	rBV3	536366	1226398	43.96%	1.389%
63	8.378	545	546	548	rBV2	467253	608843	21.82%	0.689%
64	8.469	550	554	557	rBV3	1079615	2588873	92.80%	2.931%
65	8.526	557	559	560	rVB	653408	631368	22.63%	0.715%
66	8.560	560	562	564	rBV2	682101	886616	31.78%	1.004%
67	8.606	564	566	568	rBV	1634524	2633585	94.40%	2.982%
68	8.686	571	573	574	rBV	595205	551275	19.76%	0.624%
69	8.720	574	576	579	rBV4	594306	1220255	43.74%	1.382%
70	8.766	579	580	582	rBV2	396464	431154	15.45%	0.488%
71	8.812	582	584	587	rBV3	478329	1176406	42.17%	1.332%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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72	8.869	587	589	591	rVB	1194829	1442916	51.72%	1.634%
73	8.926	592	594	595	rVB	515547	413988	14.84%	0.469%
74	8.983	595	599	600	rBV4	403585	806945	28.92%	0.914%
75	9.052	604	605	607	rBV2	725800	1194609	42.82%	1.353%
76	9.178	614	616	617	rBV2	730464	801902	28.74%	0.908%
77	9.200	617	618	621	rVB	1724725	1629960	58.43%	1.846%
78	9.258	621	623	625	rBV	1960405	1869624	67.02%	2.117%
79	9.338	627	630	632	rBV3	918153	1577511	56.55%	1.786%
80	9.383	632	634	638	rVB4	415558	927722	33.25%	1.050%
81	9.589	648	652	656	rBV7	403084	1366273	48.97%	1.547%
82	9.658	656	658	660	rVV2	1759929	2193661	78.63%	2.484%
83	9.806	669	671	672	rBV	575134	741178	26.57%	0.839%
84	9.852	672	675	676	rVB2	651887	1067663	38.27%	1.209%
85	9.886	676	678	679	rBV2	258923	448699	16.08%	0.508%
86	10.183	703	704	709	rVB2	444148	758079	27.17%	0.858%
87	10.309	713	715	716	rVB	382042	393047	14.09%	0.445%
88	10.343	716	718	721	rBV4	502731	606810	21.75%	0.687%
89	10.583	737	739	742	rBV	900857	981380	35.18%	1.111%
90	10.732	750	752	754	rVB	900271	820585	29.41%	0.929%
91	10.846	760	762	766	rVB	1218902	1813691	65.01%	2.054%
92	11.315	801	803	806	rVB	726968	821859	29.46%	0.931%
93	11.429	811	813	814	rBV	637527	677354	24.28%	0.767%
94	13.018	950	952	955	rBV	1403941	1360752	48.78%	1.541%
95	16.653	1267	1270	1274	rVB	348690	727773	26.09%	0.824%

Sum of corrected areas: 88316865

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082066.D
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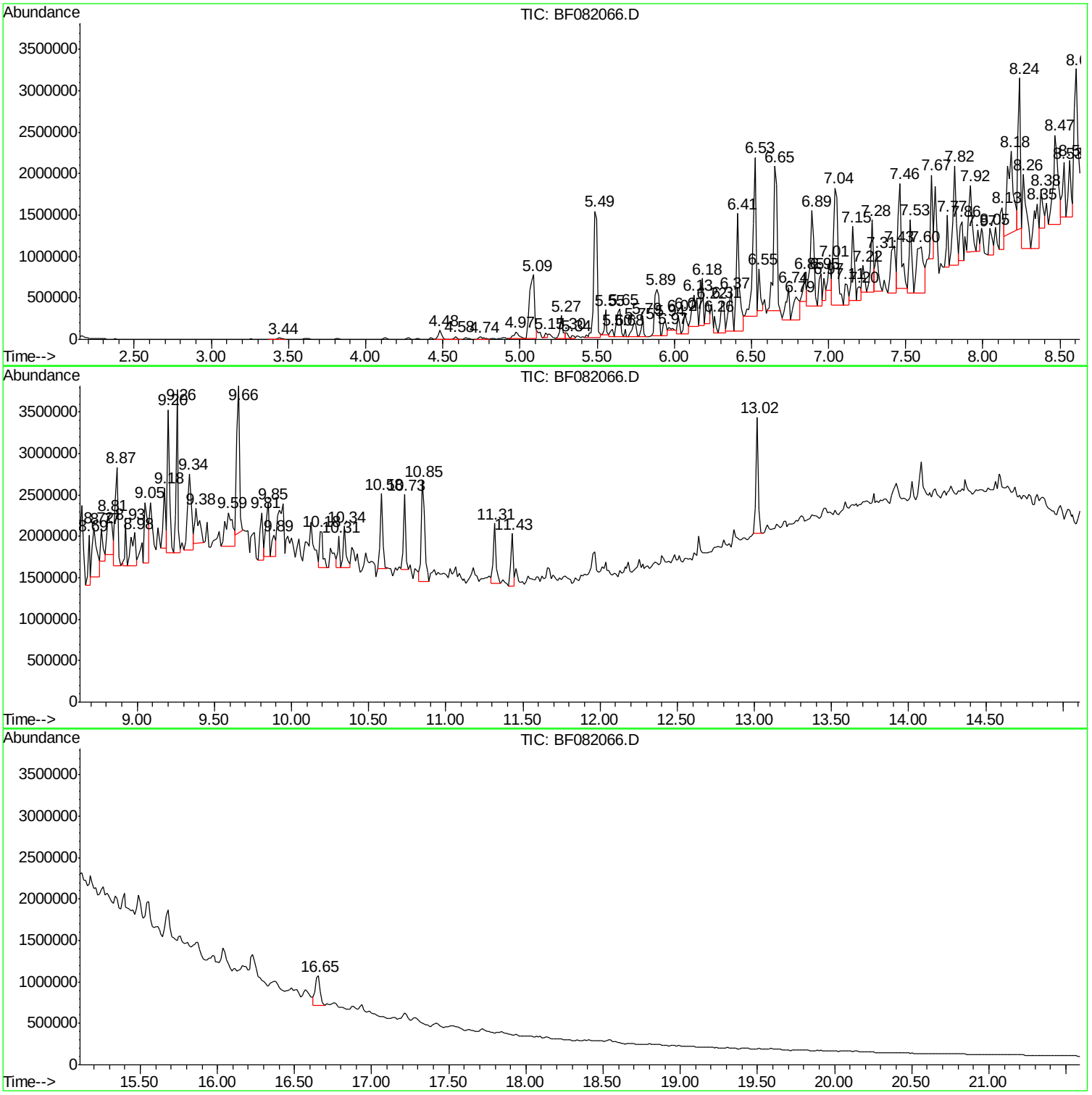
Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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\BF100515\
Data File : BF082066.D
Acq On : 6 Oct 2015 2:01
Operator : UM/IZ
Sample : G3891-13
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Instrument : BNA_F
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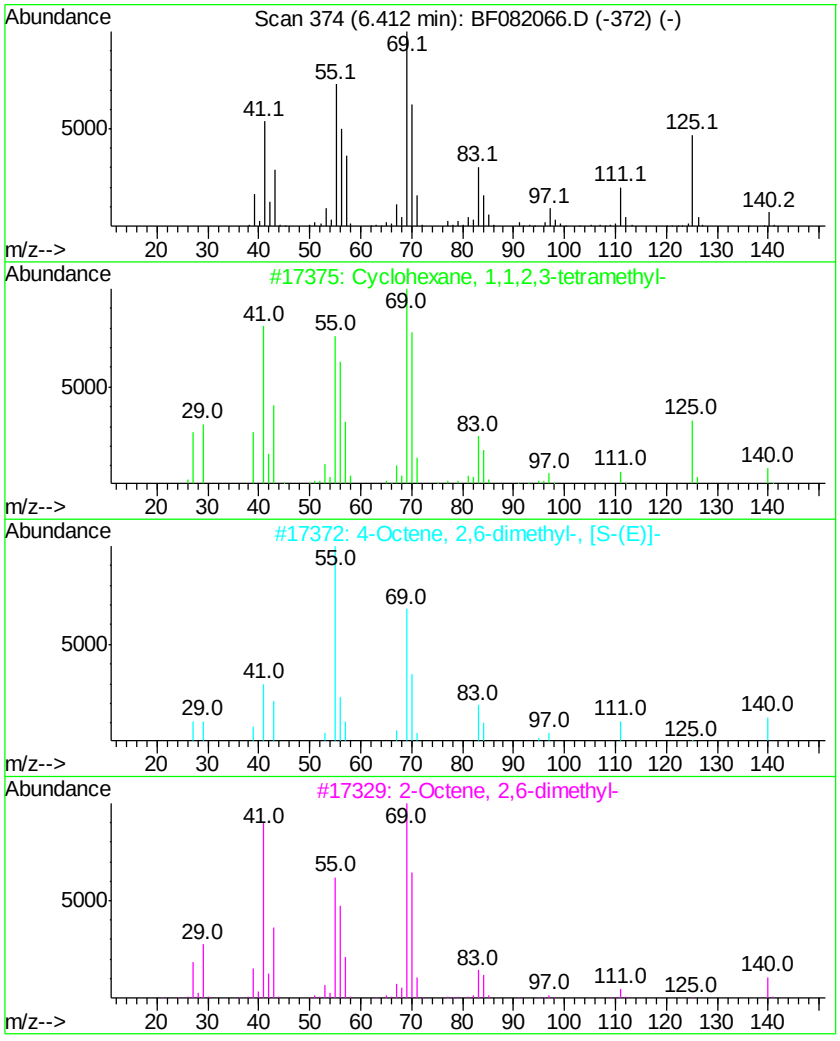
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

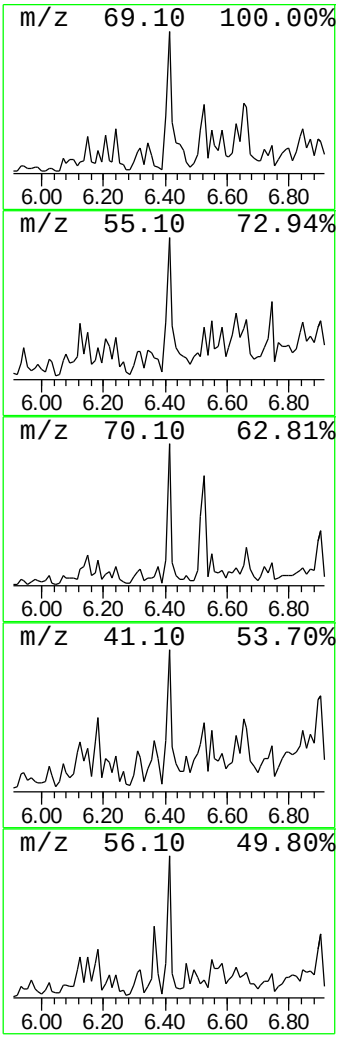
****

Peak Number 1 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	19.66 ng	1936080	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	93
2	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	58
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	45
5	3-Ethyl-4-octene	140	C10H20	019781-32-9	43





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Data File : BF082066.D
Acq On : 6 Oct 2015 2:01
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Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

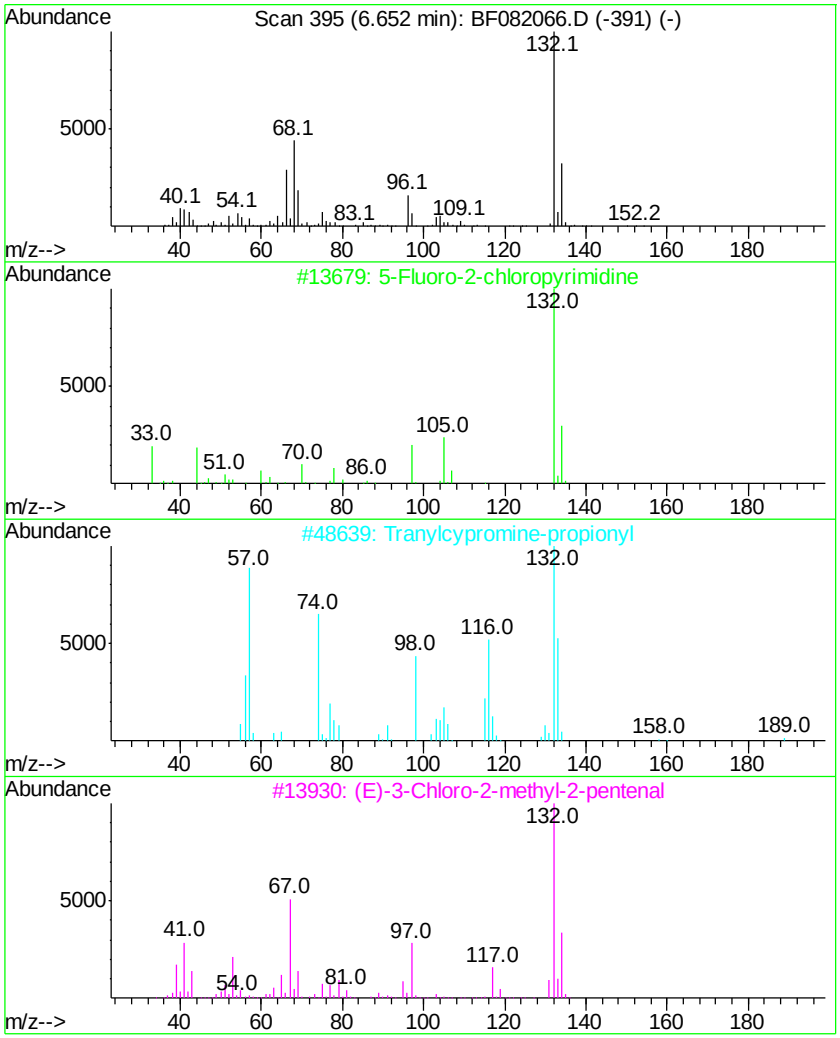
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

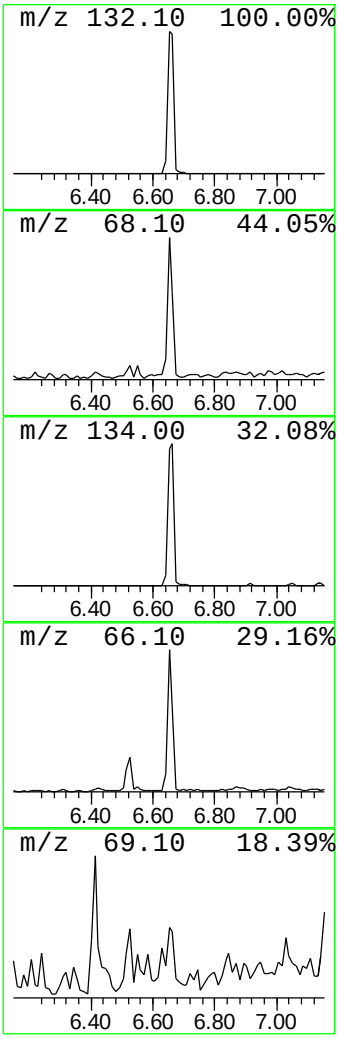
****

Peak Number 2 unknown6.65 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	28.14 ng	2770680	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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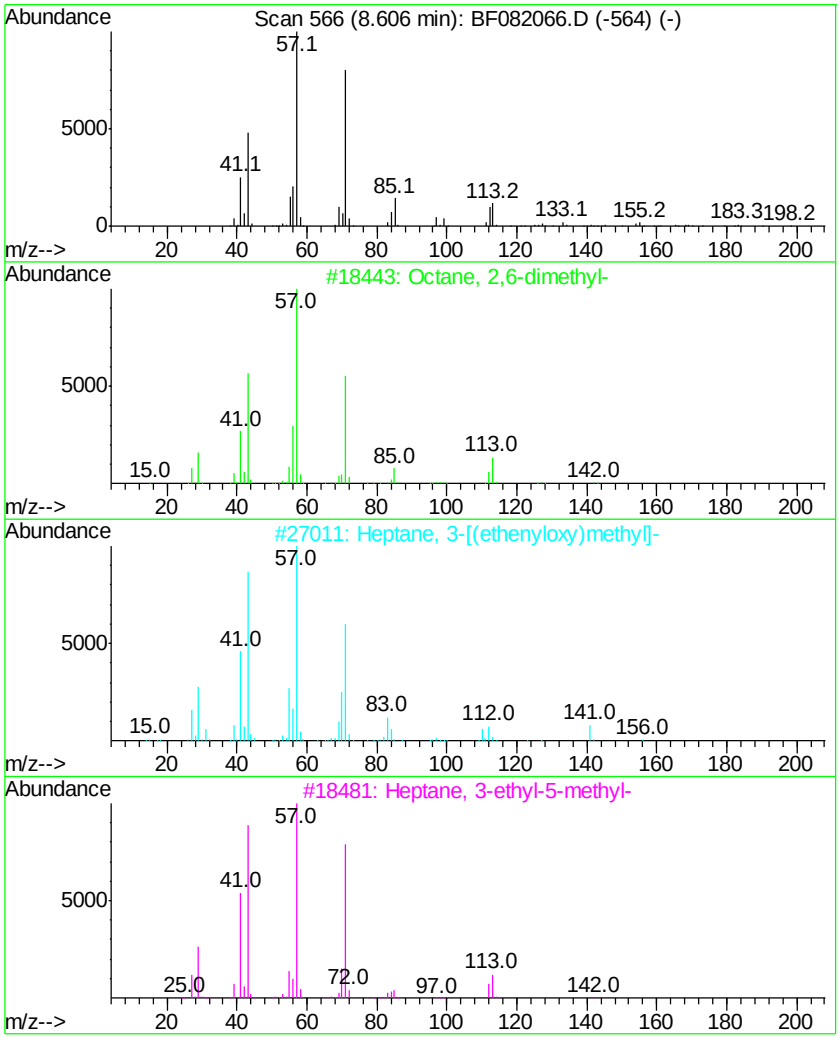
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

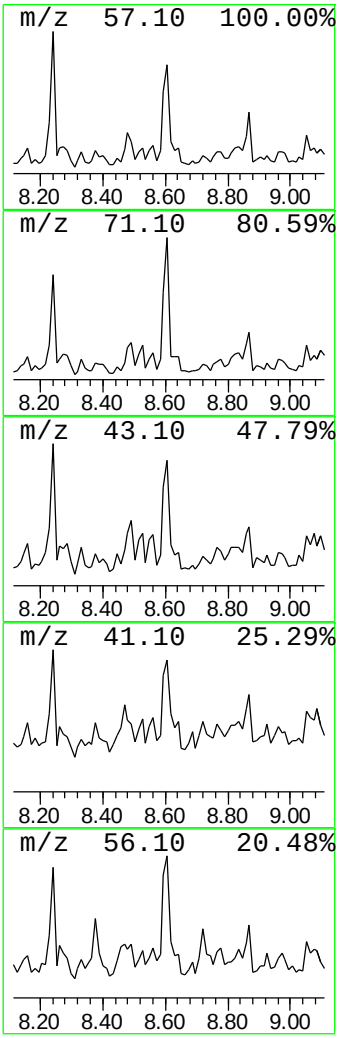
****

Peak Number 5 Octane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	20.18 ng	2633590	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	72
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	72
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53





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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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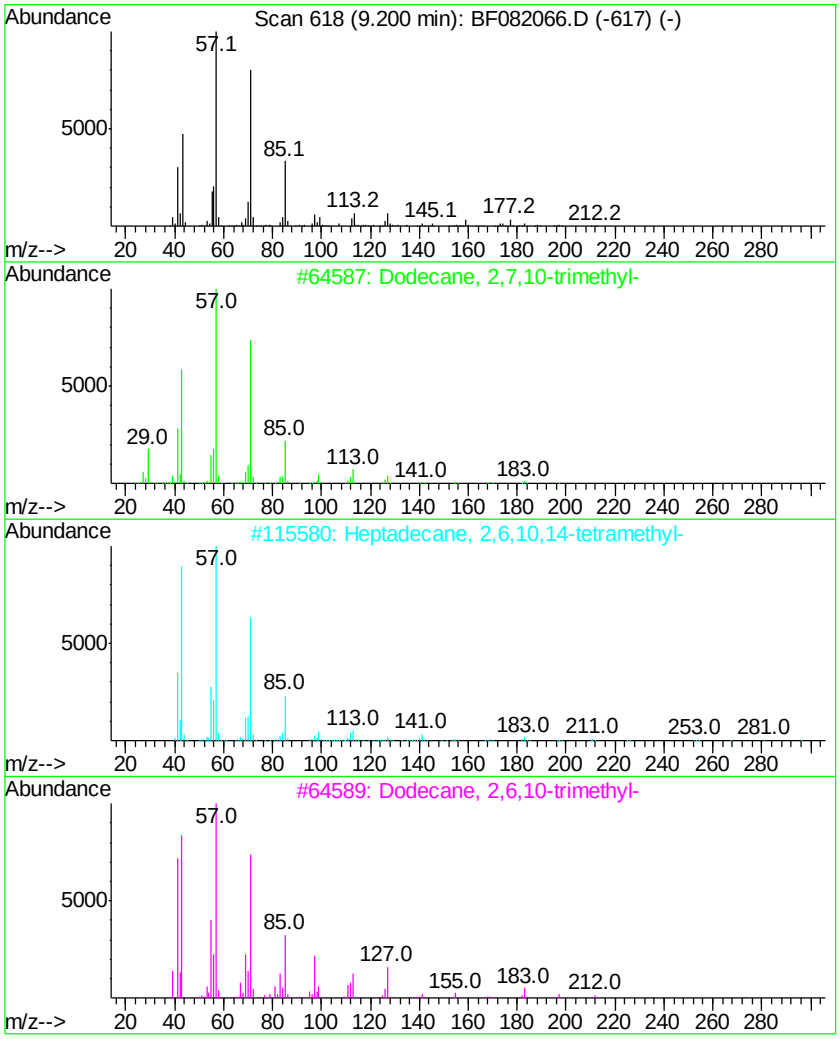
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

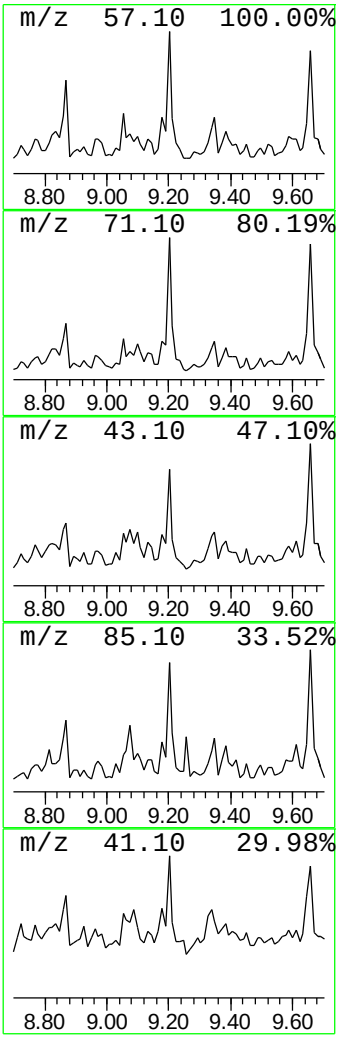
****

Peak Number 7 Dodecane, 2,7,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	72.65 ng	1629960	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	83
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72





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Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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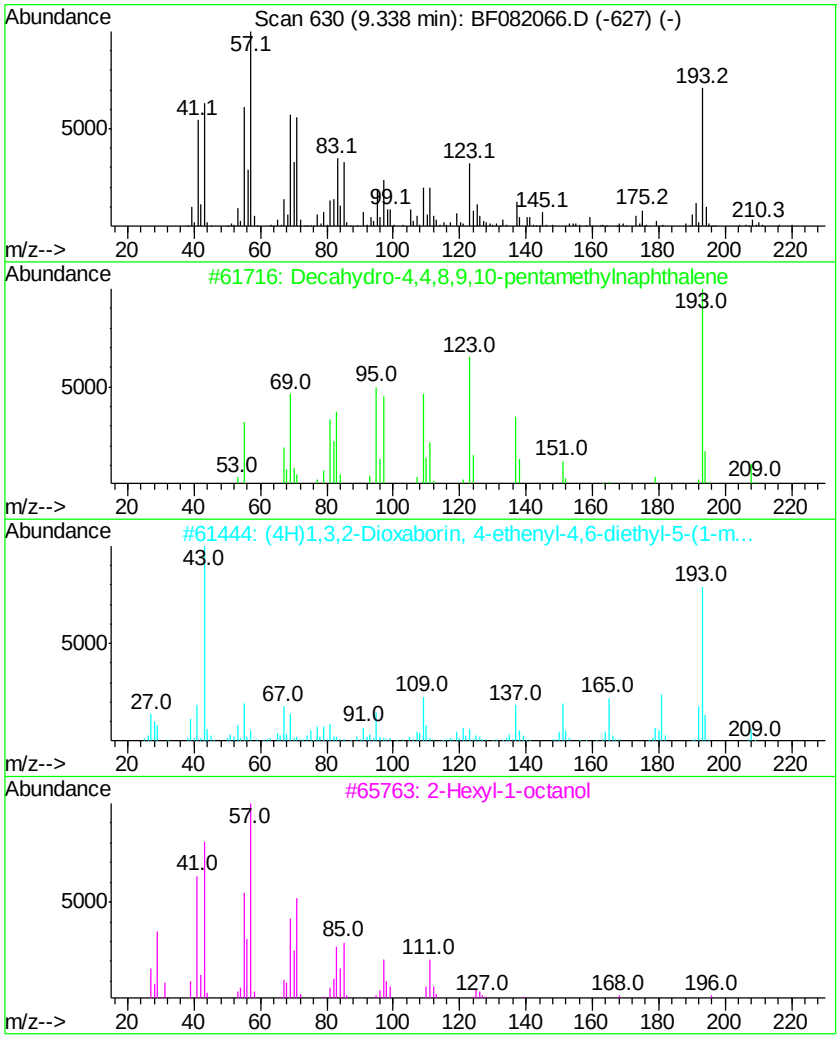
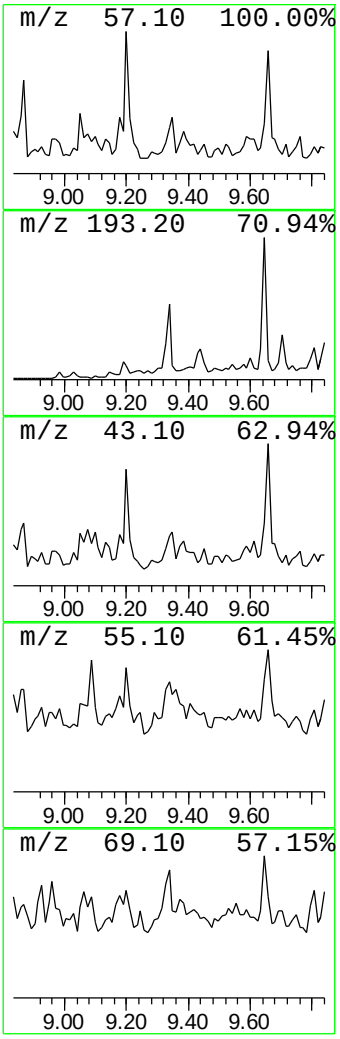
Peak Number 8 Decahydro-4,4,8,9,10-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	70.31 ng	1577510	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2	(4H)1,3,2-Dioxaborin, 4-ethenyl-...	208	C12H21BO2	1000062-14-4	41
3	2-Hexyl-1-octanol	214	C14H30O	019780-79-1	38
4	2,6,10-Trimethylundeca-1,3-diene	194	C14H26	1000222-09-1	25
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	18





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Sample : G3891-13
Misc :
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Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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TIC Integration Parameters: LSCINT.P

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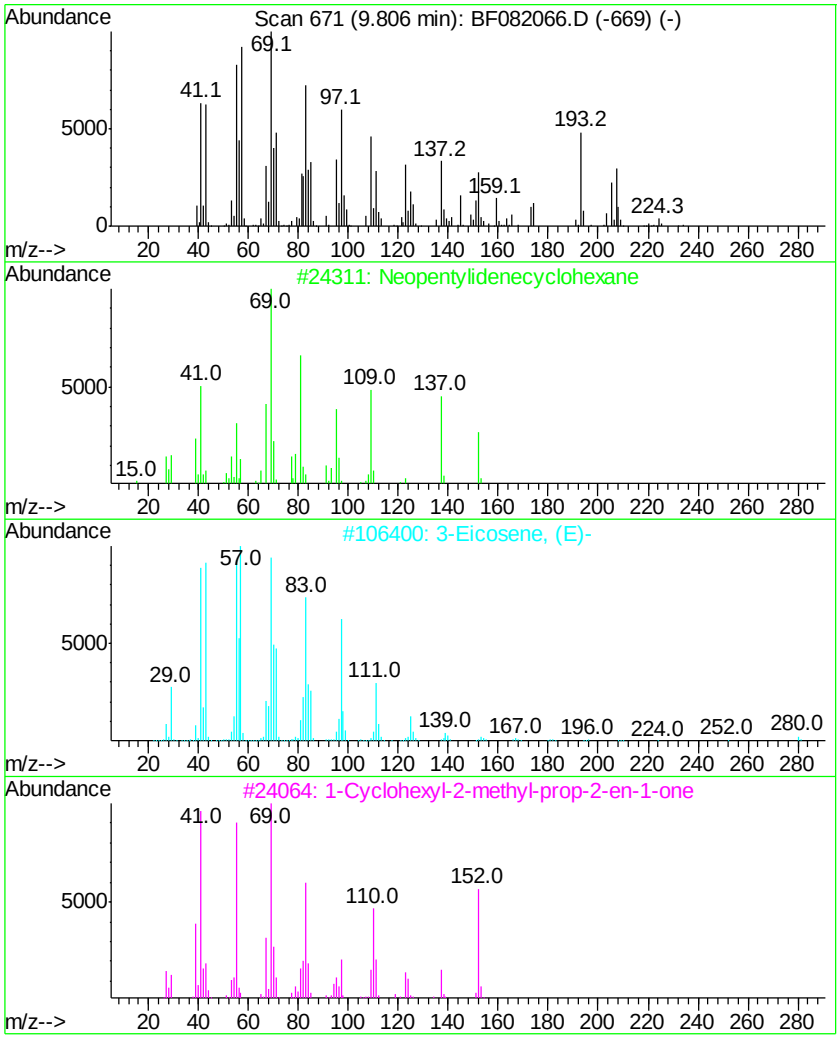
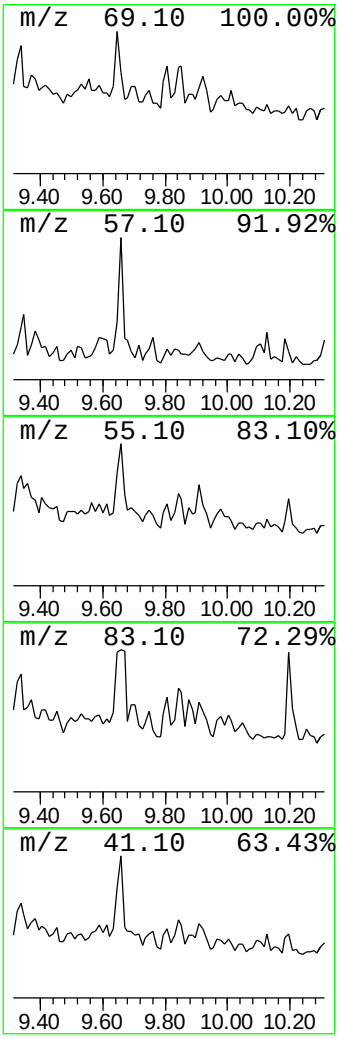
Peak Number 11 Neopentylidenecyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	33.04 ng	741178	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neopentylidenecyclohexane	152	C11H20	039546-80-0	50
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	38
3	1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	38
4	4-n-Hexylthiane, S,S-dioxide	218	C11H22O2S	070928-52-8	27
5	2,6-Octadienal, 3,7-dimethyl-	152	C10H16O	005392-40-5	27





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Acq On : 6 Oct 2015 2:01
Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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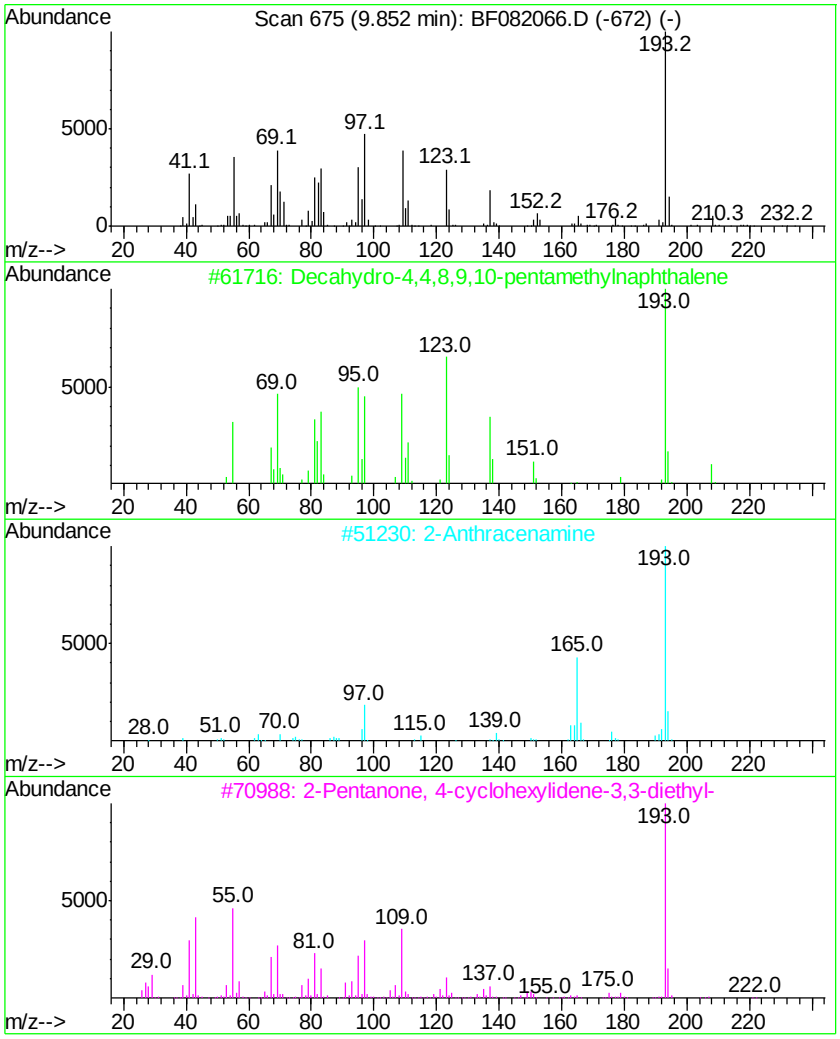
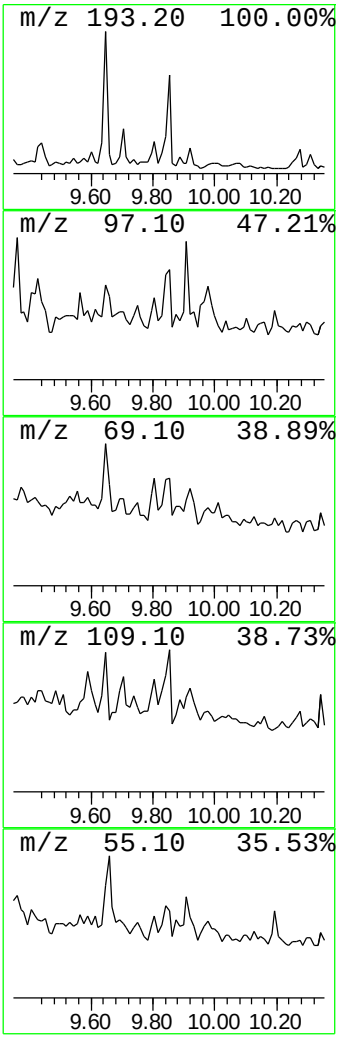
Peak Number 12 Decahydro-4,4,8,9,10-pentam... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	47.59 ng	1067660	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	58
2	2-Anthracenamine	193	C14H11N	000613-13-8	43
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	42
4	Acridine, 9-methyl-	193	C14H11N	000611-64-3	35
5	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	30





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Acq On : 6 Oct 2015 2:01
Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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TIC Library : C:\DATABASE\NIST02.L
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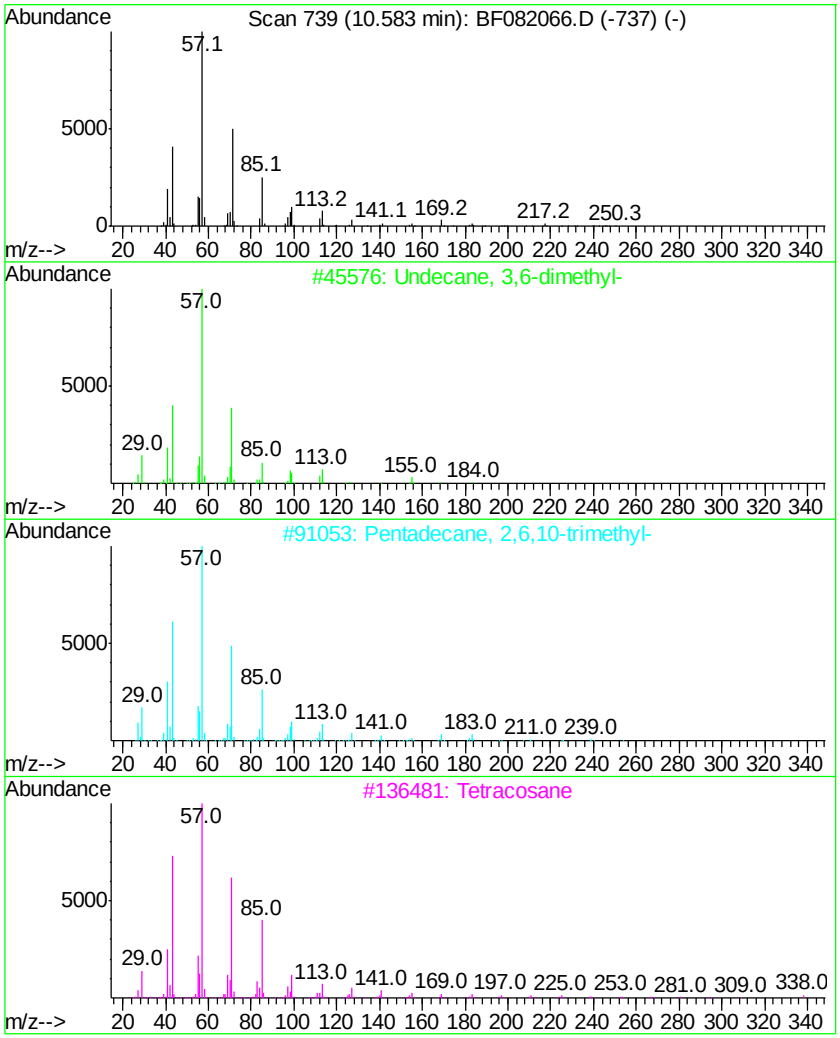
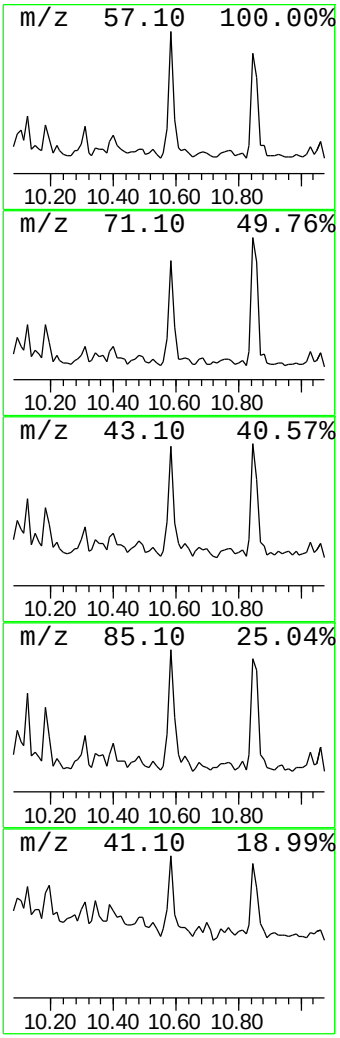
Peak Number 17 Undecane, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	43.74 ng	981380	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	90
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	83
3	Tetracosane	338	C24H50	000646-31-1	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80





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Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
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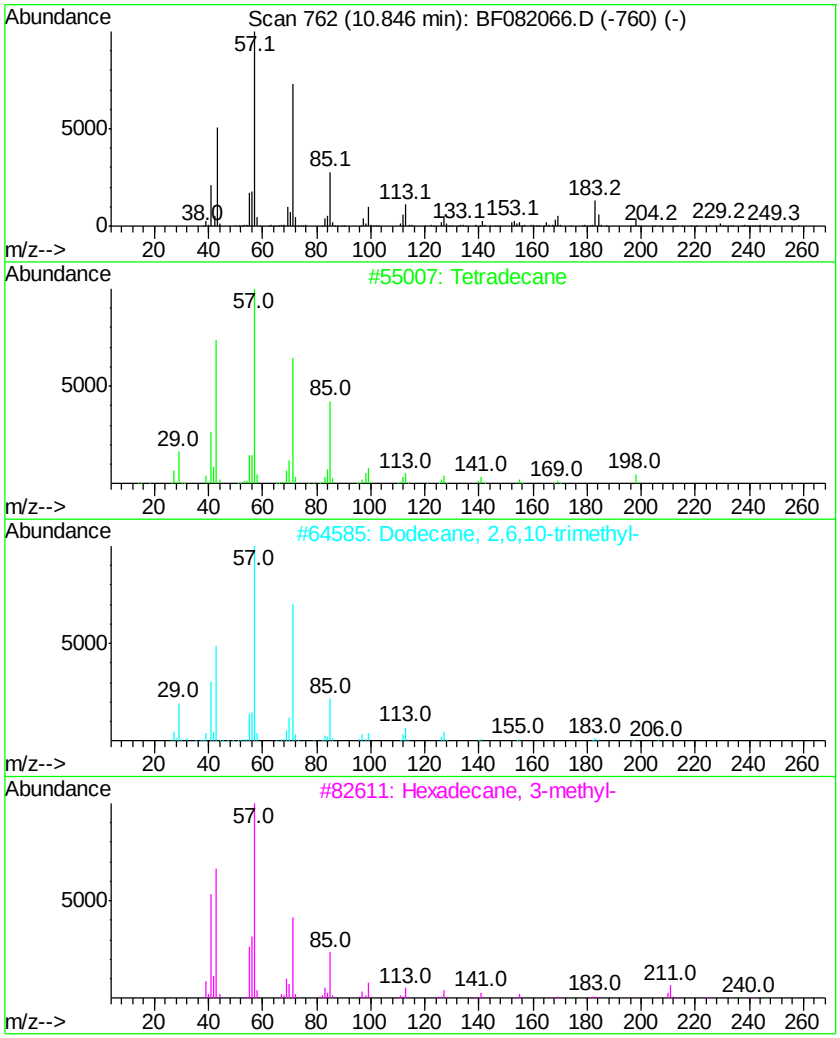
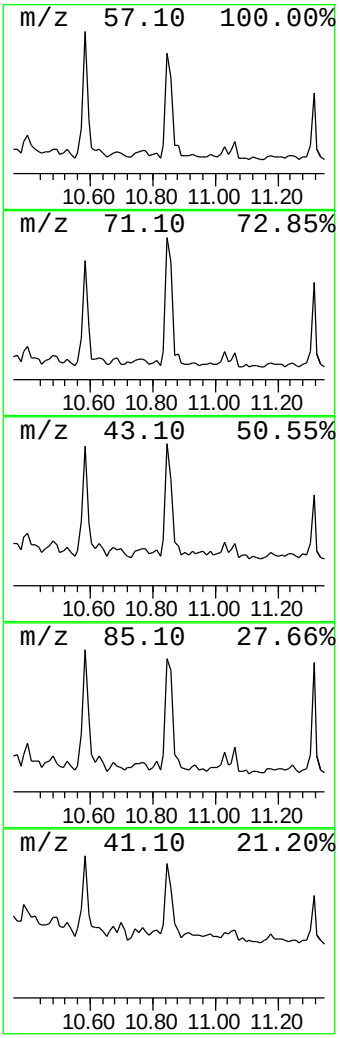
Peak Number 18 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	53.55 ng	1813690	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	58
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	58





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Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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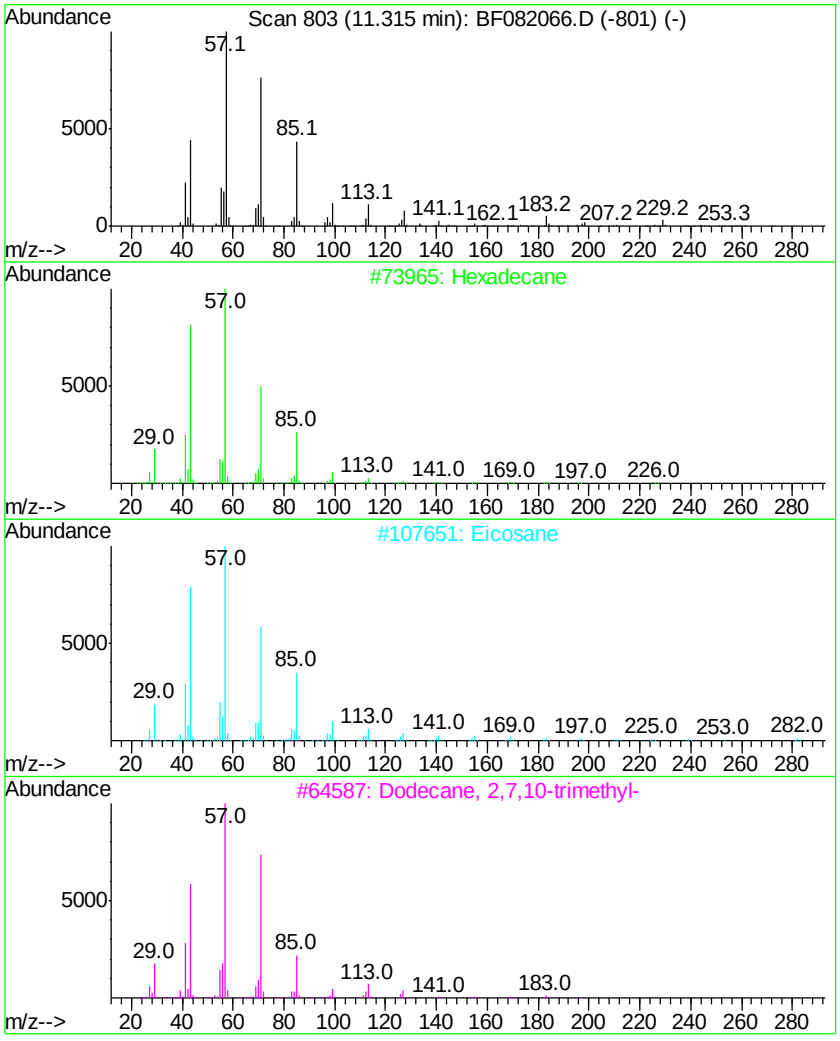
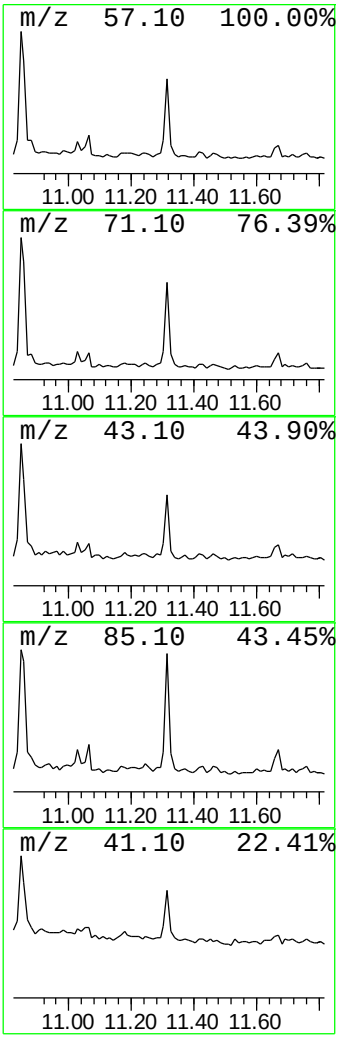
Peak Number 19 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	24.27 ng	821859	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Eicosane	282	C20H42	000112-95-8	78
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	72
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72





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Operator : UM/IZ
Sample : G3891-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SS-8(0-24)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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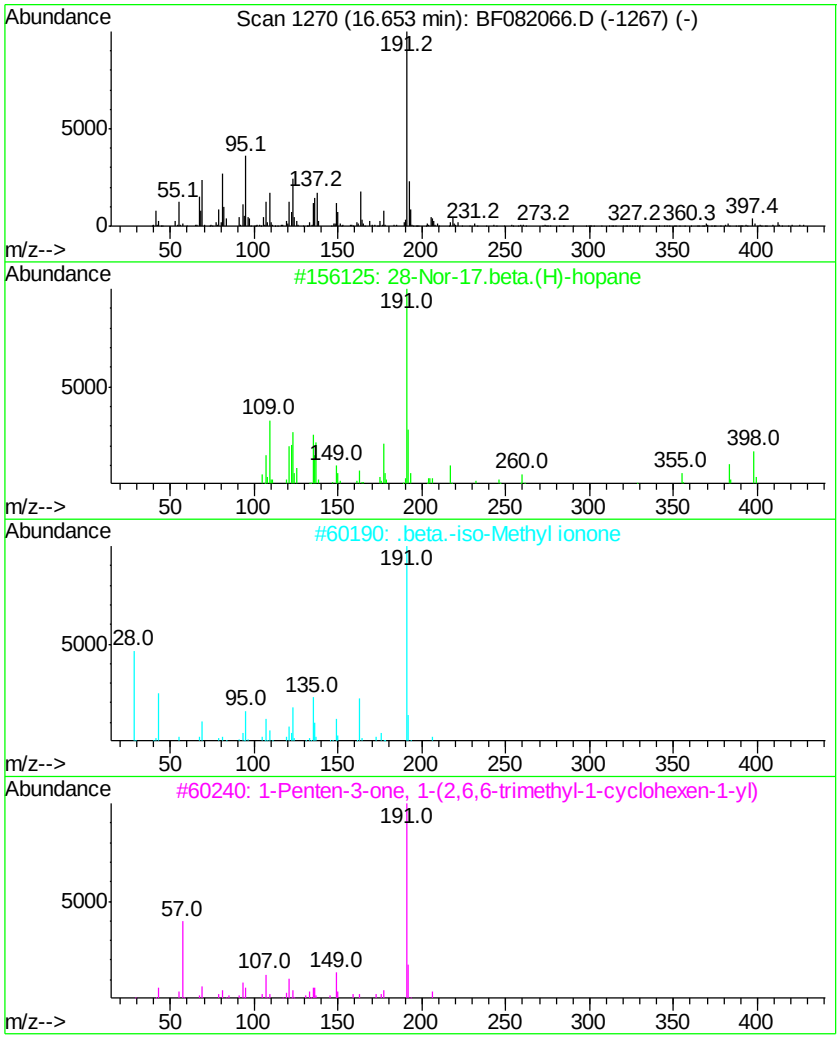
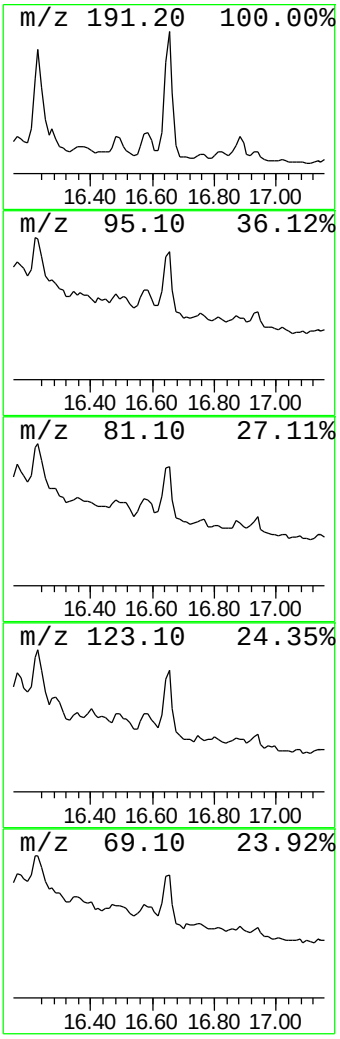
Peak Number 20 28-Nor-17.beta.(H)-hopane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	20.00 ng	727773	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	78
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	70
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	62
4	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	43
5	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	42





Tentatively Identified Compound (LSC) summary

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Operator : UM/IZ
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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
Cyclohexane, 1,1,...	6.41	19.7	ng	1936080	1	6.89	1969290	20.0
unknown6.65	6.65	28.1	ng	2770680	1	6.89	1969290	20.0
Octane, 2,6-dimet...	8.61	20.2	ng	2633590	2	8.18	2610440	20.0
Dodecane, 2,7,10-...	9.20	72.7	ng	1629960	3	9.94	448699	20.0
Decahydro-4,4,8,9...	9.34	70.3	ng	1577510	3	9.94	448699	20.0
Neopentylidenecyc...	9.81	33.0	ng	741178	3	9.94	448699	20.0
Decahydro-4,4,8,9...	9.85	47.6	ng	1067660	3	9.94	448699	20.0
Undecane, 3,6-dim...	10.58	43.7	ng	981380	3	9.94	448699	20.0
Tetradecane	10.85	53.5	ng	1813690	4	11.43	677354	20.0
Hexadecane	11.32	24.3	ng	821859	4	11.43	677354	20.0
28-Nor-17.beta.(H...	16.65	20.0	ng	727773	6	15.56	727773	20.0