LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

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-BF120815.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	3.515	157	160	172	rVB	1109624	2226845	7.50%	0.809%
2	3.961	197	199	208	rBV	3125499	4200357	14.15%	1.526%
3	4.670	259	261	265	rVB	253419	371242	1.25%	0.135%
4	5.264	310	313	321	rBV	2898719	4957548	16.70%	1.801%
5	5.378	321	323	328	rVB	3235090	4431833	14.93%	1.610%
6	5.676	346	349	355	rBV	697167	945518	3.19%	0.344%
7	5.893	364	368	375	rVB	2462378	3535380	11.91%	1.284%
8	6.224	390	397	400	rBV4	160586	421733	1.42%	0.153%
9	6.476	416	419	420	rBV2	185766	315852	1.06%	0.115%
10	6.510	420	422	429	rVB	1985633	2749632	9.26%	0.999%
11	6.841	448	451	453	rBV2	201739	381869	1.29%	0.139%
12	7.024	464	467	471	rBV3	402261	880033	2.96%	0.320%
13	7.207	477	483	486	rBV4	143551	450798	1.52%	0.164%
14	7.276	486	489	492	rVB4	167948	420430	1.42%	0.153%
15	7.344	492	495	497	rBV4	195554	448584	1.51%	0.163%
16	7.584	511	516	517	rBV2	1134836	2614074	8.81%	0.950%
17	7.607	517	518	521	rVV	797367	1348625	4.54%	0.490%
18	7.676	521	524	527	rVB4	400141	976511	3.29%	0.355%
19	7.779	530	533	535	rVB	394694	691824	2.33%	0.251%
20	7.847	537	539	542	rVB3	258878	433301	1.46%	0.157%
21	7.927	542	546	549	rBV5	690979	1481156	4.99%	0.538%
22	8.042	549	556	559	rBV4	771132	1912957	6.44%	0.695%
23	8.099	559	561	564	rBV2	933872	1480029	4.99%	0.538%
24	8.190	566	569	570	rBV2	570349	957818	3.23%	0.348%
25	8.293	576	578	579	rBV2	289081	410276	1.38%	0.149%
26	8.362	580	584	591	rVB	3514193	8301367	27.96%	3.016%
27	8.476	591	594	598	rVB6	512372	1487324	5.01%	0.540%
28	8.647	598	609	611	rBV7	1154932	6524371	21.98%	2.370%
29	8.727	613	616	619	rVB3	1233321	2227531	7.50%	0.809%
30	8.785	619	621	626	rVB3	726438	1744773	5.88%	0.634%
31	8.876	626	629	632	rBV2	1826481	3640569	12.26%	1.323%
32	9.059	642	645	646	rBV3	510272	935948	3.15%	0.340%
33	9.093	646	648	652	rVV	1105485	2613528	8.80%	0.950%
34	9.333	662	669	676	rBV2	4688695	15797124	53.22%	5.739%

LSC Area Percent Report

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Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

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-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.585	686	691	694	rBV3	1673711	5682958	19.14%	2.065%
36	9.756	702	706	710	rVB	2054547	5410860	18.23%	1.966%
37	9.882	713	717	719	rBV	2326326	7150474	24.09%	2.598%
38	10.110	733	737	742	rVB	5369815	16006401	53.92%	5.815%
39	10.259	747	750	755	rVB4	2639308	7284630	24.54%	2.647%
40	10.625	778	782	785	rBV	1676946	4310098	14.52%	1.566%
41	10.785	793	796	798	rBV	1321260	3015900	10.16%	1.096%
42	10.853	799	802	807	rVB2	2490985	7975312	26.87%	2.898%
43	10.968	808	812	815	rBV3	3266383	9228898	31.09%	3.353%
44	11.322	840	843	846	rBV4	1370260	3442121	11.60%	1.251%
45	11.413	847	851	858	rVB6	1678284	6337977	21.35%	2.303%
46	11.642	866	871	874	rVB	5714614	14756849	49.71%	5.361%
47	12.099	904	911	917	rBV	8751894	29685247	100.00%	10.785%
48	12.408	935	938	940	rVB	1567657	2360203	7.95%	0.857%
49	12.579	951	953	954	rBV2	851023	1337716	4.51%	0.486%
50	12.819	970	974	976	rBV	5547705	13118480	44.19%	4.766%
51	13.036	991	993	998	rBV4	1205279	3676114	12.38%	1.336%
52	13.379	1019	1023	1029	rVB2	2535614	7685869	25.89%	2.792%
53	13.642	1043	1046	1048	rBV	1631592	3107862	10.47%	1.129%
54	13.688	1048	1050	1055	rVB	2740791	5541594	18.67%	2.013%
55	13.814	1058	1061	1063	rVV2	1637702	3106618	10.47%	1.129%
56	13.848	1063	1064	1069	rVB	1779817	2453249	8.26%	0.891%
57	14.122	1086	1088	1090	rBV2	693436	1429232	4.81%	0.519%
58	14.419	1112	1114	1116	rBV	1540770	2101298	7.08%	0.763%
59	14.454	1116	1117	1120	rVB	1115084	1462856	4.93%	0.531%
60	14.545	1121	1125	1126	rBV	2321012	4645611	15.65%	1.688%
61	14.625	1130	1132	1134	rVB2	697397	827503	2.79%	0.301%
62	14.659	1134	1135	1139	rVB2	898711	1498688	5.05%	0.544%
63	14.728	1139	1141	1142	rBV	433734	648503	2.18%	0.236%
64	14.762	1142	1144	1147	rVB	1493255	2146507	7.23%	0.780%
65	14.877	1151	1154	1155	rBV2	361288	763987	2.57%	0.278%
66	15.117	1173	1175	1179	rVB	1433955	2236576	7.53%	0.813%
67	15.197	1180	1182	1185	rVB2	886897	1560087	5.26%	0.567%
68	15.254	1185	1187	1190	rVB2	965528	1628620	5.49%	0.592%
69	15.334	1192	1194	1196	rVB	330400	478404	1.61%	0.174%
70	15.402	1196	1200	1206	rVB2	1685036	3934876	13.26%	1.430%
71	15.505	1206	1209	1215	rVB4	468607	1522923	5.13%	0.553%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

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-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.597	1215	1217	1219	rBV3	225932	366555	1.23%	0.133%
73	15.974	1248	1250	1253	rBV2	333011	495879	1.67%	0.180%
74	16.980	1335	1338	1340	rBV2	742393	1231634	4.15%	0.447%
75	17.128	1349	1351	1354	rBV3	293795	731884	2.47%	0.266%
76	19.517	1558	1560	1563	rVB	387717	539891	1.82%	0.196%

Sum of corrected areas: 275243704

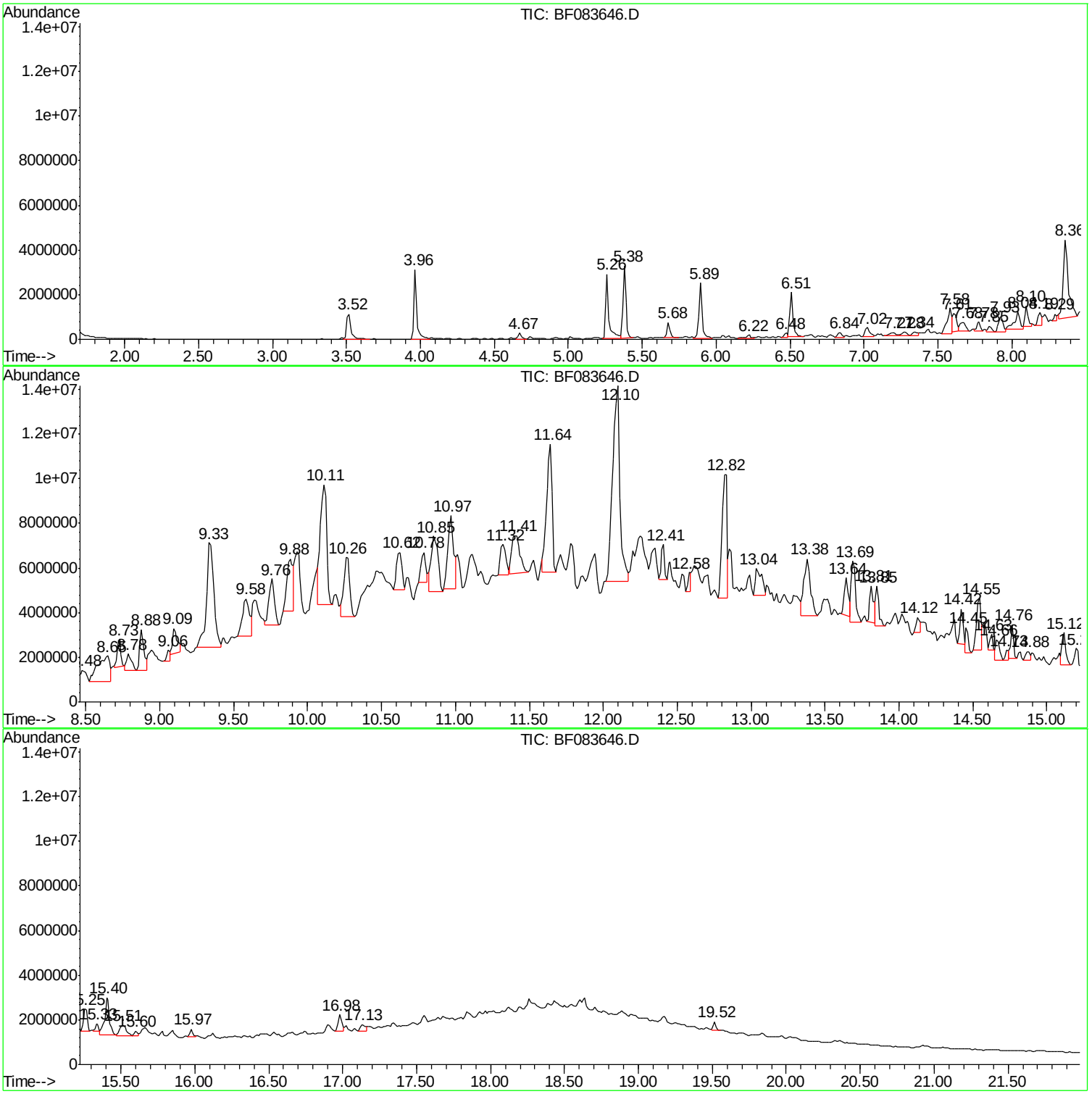
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

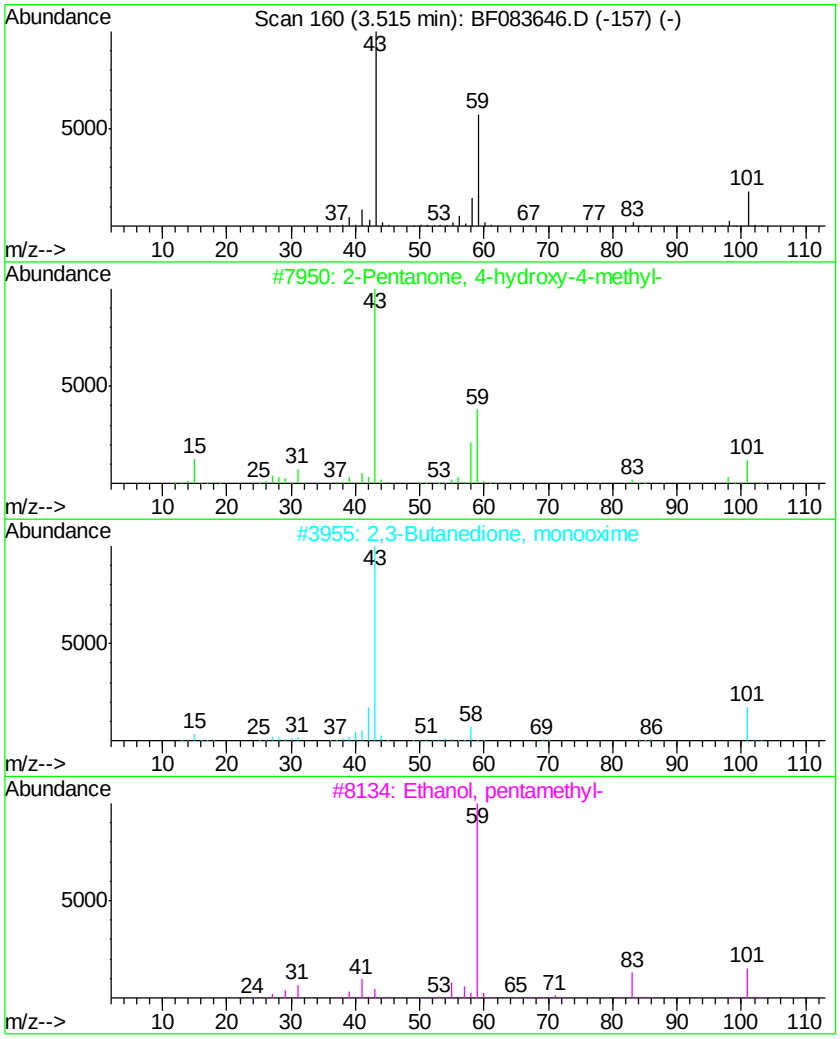
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

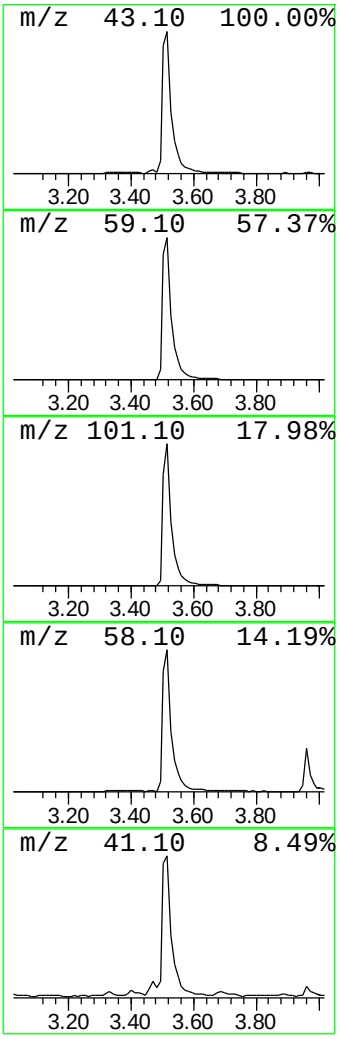
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	47.10 ng	2226850	1,4-Dichlorobenzene-d4	5.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	9
4	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

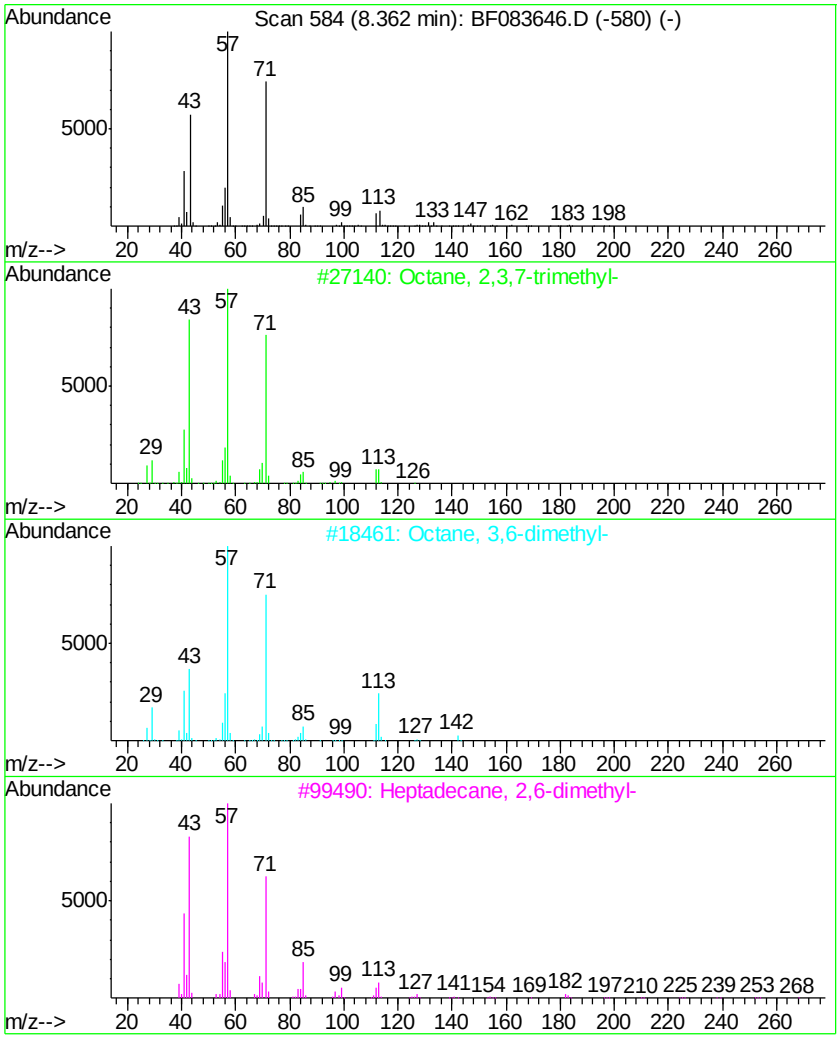
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

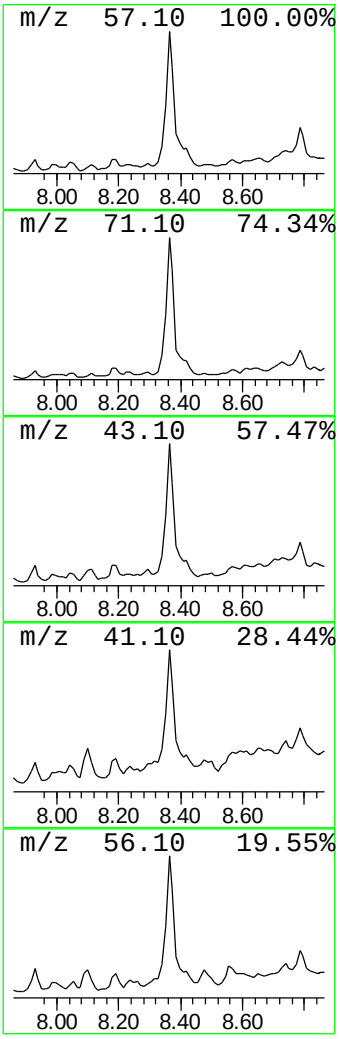
****

Peak Number 4 Octane, 2,3,7-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	63.51 ng	8301370	Naphthalene-d8	7.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

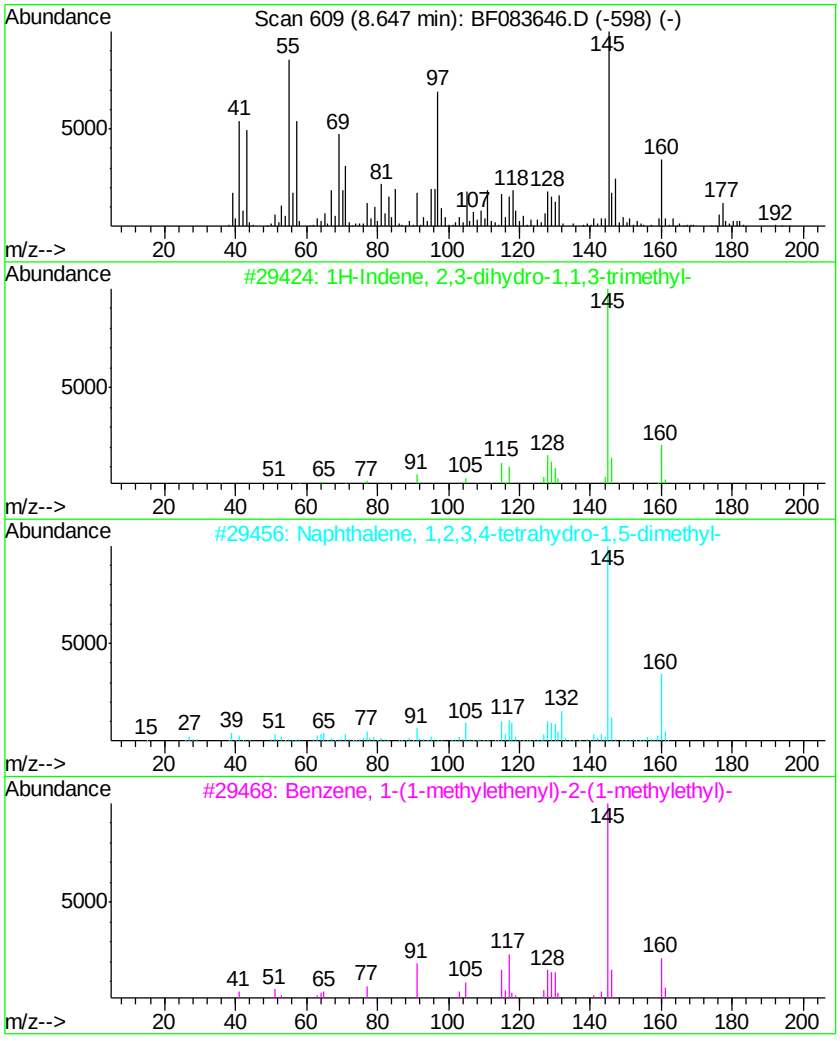
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

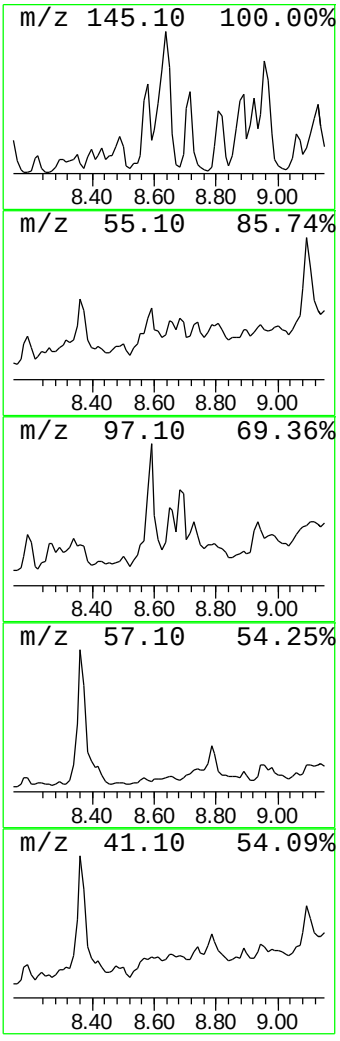
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	49.92 ng	6524370	Naphthalene-d8	7.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	62
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	46
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	46
4	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	42
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

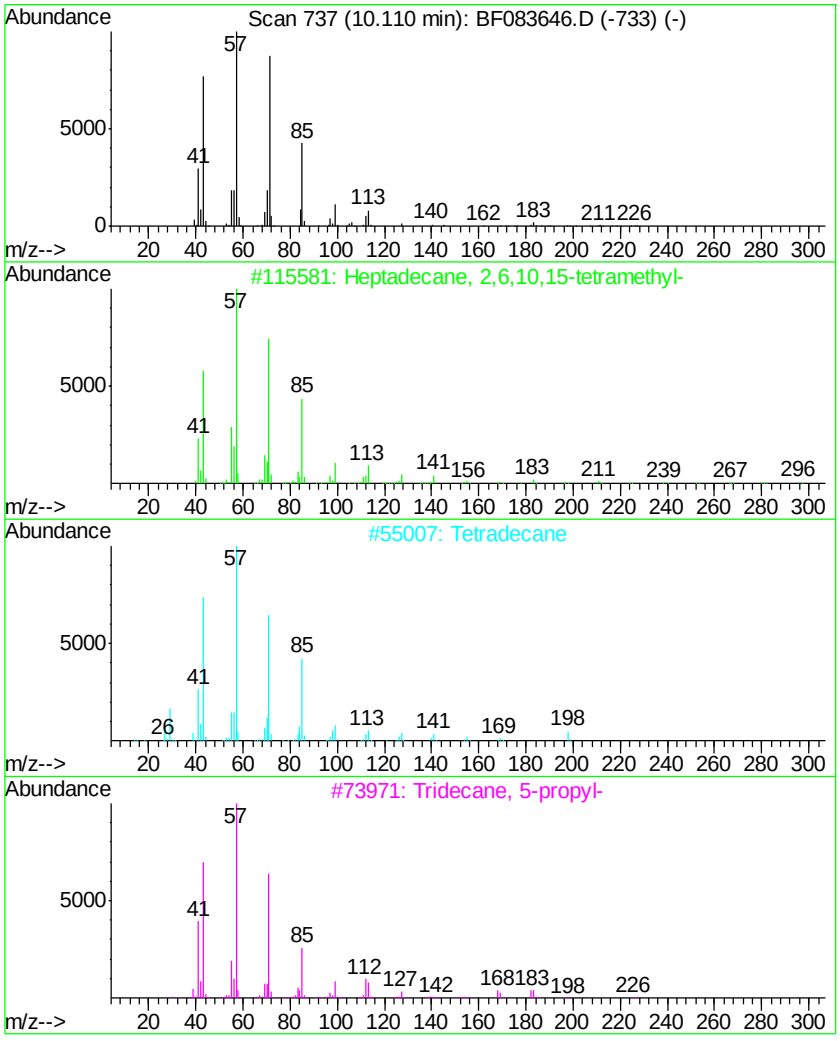
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

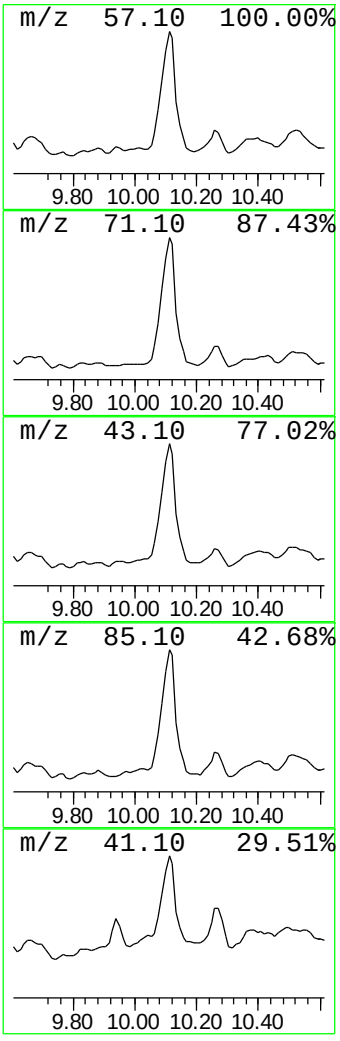
****

Peak Number 7 Heptadecane, 2,6,10,15-tetr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	43.95 ng	16006400	Acenaphthene-d10	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	Tetradecane	198	C14H30	000629-59-4	83
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	64
5	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

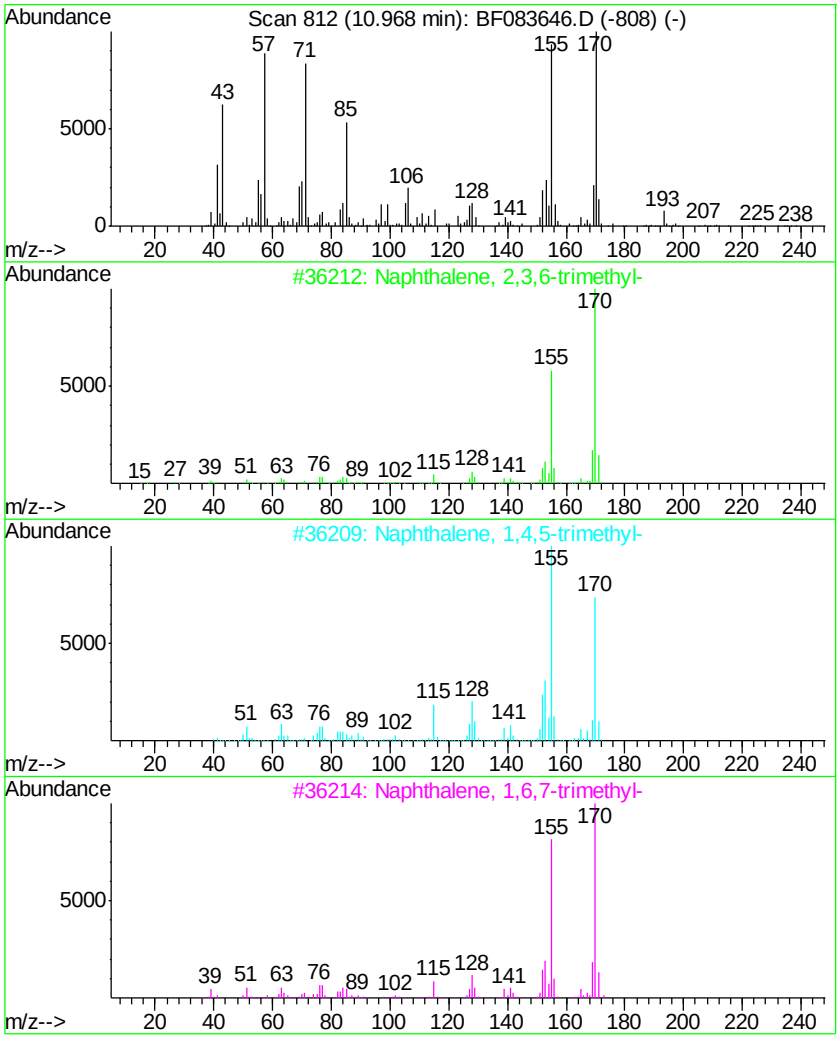
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

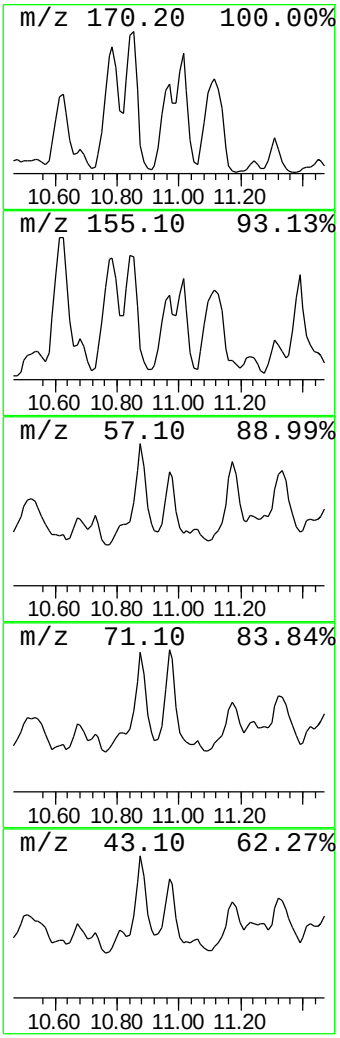
****

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	25.34 ng	9228900	Acenaphthene-d10	10.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	78
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	78
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	78
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

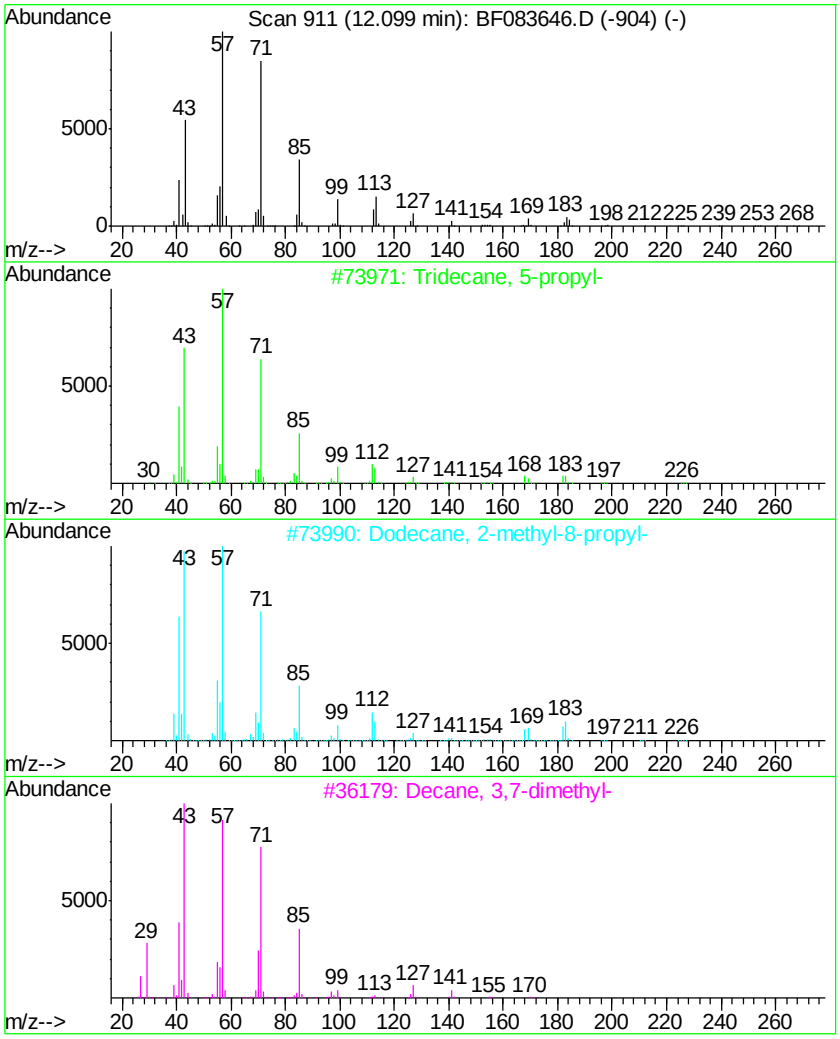
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

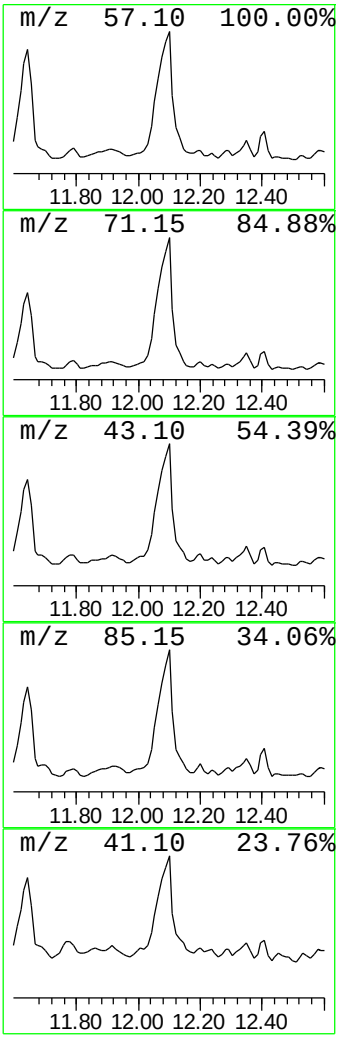
****

Peak Number 9 Tridecane, 5-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	45.26 ng	29685200	Phenanthrene-d10	12.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
2	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	87
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	83
4	Tetradecane, 4,11-dimethyl-	226	C16H34	055045-12-0	83
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

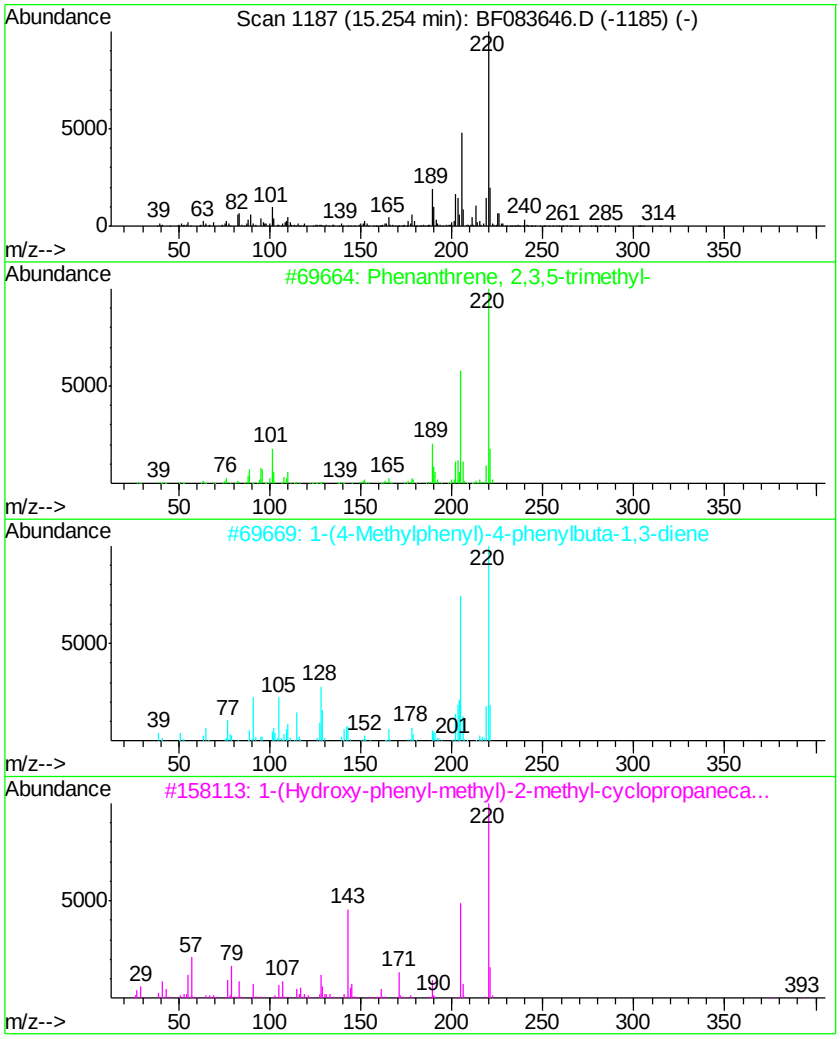
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

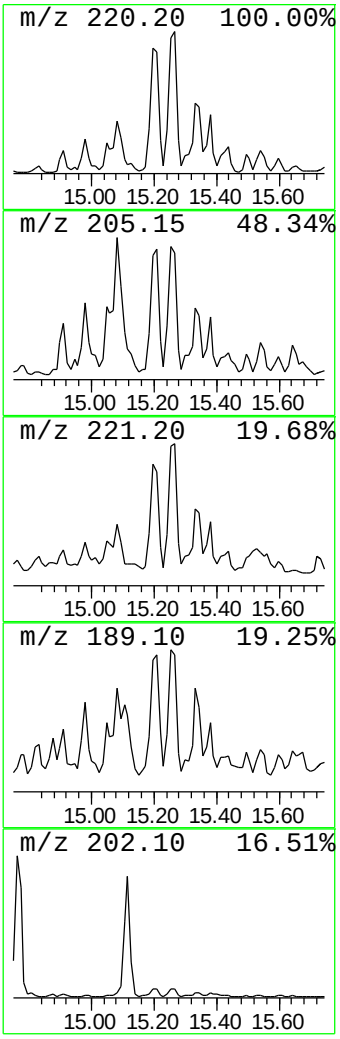
****

Peak Number 10 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	26.45 ng	1628620	Chrysene-d12	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	83
3	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
Data File : BF083646.D
Acq On : 9 Dec 2015 18:32
Operator : UM/IZ
Sample : G4561-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LS-SB17B(22.5-23)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	3.52	47.1	ng	2226850	1	5.68	945518	20.0
Octane, 2,3,7-tri...	8.36	63.5	ng	8301370	2	7.58	2614070	20.0
1H-Indene, 2,3-di...	8.65	49.9	ng	6524370	2	7.58	2614070	20.0
Heptadecane, 2,6,...	10.11	44.0	ng	16006400	3	10.41	7284630	20.0
Naphthalene, 2,3,...	10.97	25.3	ng	9228900	3	10.41	7284630	20.0
Tridecane, 5-propyl-	12.10	45.3	ng	29685200	4	12.82	13118500	20.0
Phenanthrene, 2,3...	15.25	26.4	ng	1628620	5	16.99	1231630	20.0