LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

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-BF102616.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	4.853	240	242	248	rBV	175486	204633	13.32%	0.810%
2	5.299	279	281	284	rBV	501013	767944	49.99%	3.041%
3	6.362	372	374	381	rBV	928257	1023848	66.65%	4.055%
4	6.487	383	385	389	rVV	1140256	1080887	70.37%	4.281%
5	6.567	389	392	394	rVB2	29197	46472	3.03%	0.184%
6	6.716	403	405	409	rBV	867779	975360	63.50%	3.863%
7	6.876	416	419	421	rBV	885689	772365	50.28%	3.059%
8	7.002	427	430	432	rVB2	20447	38194	2.49%	0.151%
9	7.253	449	452	453	rBV	17649	32743	2.13%	0.130%
10	7.287	453	455	458	rVV	563125	567063	36.92%	2.246%
11	7.333	458	459	460	rVV	51898	44050	2.87%	0.174%
12	7.379	460	463	465	rVV3	22168	48878	3.18%	0.194%
13	7.527	474	476	479	rVB3	27004	40230	2.62%	0.159%
14	7.642	483	486	489	rVB4	33673	74771	4.87%	0.296%
15	7.699	489	491	493	rBV2	17157	32979	2.15%	0.131%
16	7.905	505	509	511	rBV3	14852	40553	2.64%	0.161%
17	7.973	511	515	516	rBV2	23759	50468	3.29%	0.200%
18	8.007	516	518	522	rVV	1550190	1451952	94.52%	5.750%
19	8.087	523	525	526	rVB	58333	60922	3.97%	0.241%
20	8.179	531	533	535	rBV3	26491	46901	3.05%	0.186%
21	8.225	535	537	539	rVB	30562	37991	2.47%	0.150%
22	8.293	541	543	546	rBV4	28970	61936	4.03%	0.245%
23	8.442	554	556	561	rBV2	110856	192117	12.51%	0.761%
24	8.556	564	566	569	rBV4	51248	74742	4.87%	0.296%
25	8.613	569	571	573	rBV2	126061	147050	9.57%	0.582%
26	8.705	577	579	582	rVB3	60194	89746	5.84%	0.355%
27	8.773	582	585	586	rBV3	17256	33597	2.19%	0.133%
28	8.807	586	588	594	rVB5	37012	115305	7.51%	0.457%
29	8.899	594	596	597	rBV2	25560	30612	1.99%	0.121%
30	9.048	606	609	610	rBV	90837	124008	8.07%	0.491%
31	9.082	610	612	615	rBV	558311	814736	53.04%	3.227%
32	9.173	618	620	622	rBV	119534	146218	9.52%	0.579%
33	9.242	622	626	629	rBV4	46620	111282	7.24%	0.441%
34	9.288	629	630	633	rVB2	34547	46721	3.04%	0.185%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.345	633	635	639	rBV4	48482	123620	8.05%	0.490%
36	9.425	639	642	645	rBV2	131279	169958	11.06%	0.673%
37	9.482	645	647	651	rVV2	190075	370187	24.10%	1.466%
38	9.539	651	652	655	rVB2	60609	92011	5.99%	0.364%
39	9.630	657	660	662	rBV4	38506	85567	5.57%	0.339%
40	9.676	662	664	665	rBV2	45305	33471	2.18%	0.133%
41	9.710	665	667	669	rBV	157843	168146	10.95%	0.666%
42	9.756	669	671	673	rVV	847577	1189266	77.42%	4.710%
43	9.790	673	674	679	rVB3	58946	107894	7.02%	0.427%
44	9.870	679	681	683	rVB	83683	121767	7.93%	0.482%
45	9.962	683	689	691	rBV5	150259	307737	20.03%	1.219%
46	10.008	691	693	697	rVB2	126658	179684	11.70%	0.712%
47	10.076	697	699	701	rBV2	74169	118935	7.74%	0.471%
48	10.168	705	707	708	rBV2	71519	81812	5.33%	0.324%
49	10.202	708	710	712	rVV	291726	276062	17.97%	1.093%
50	10.259	713	715	717	rVB2	43035	46690	3.04%	0.185%
51	10.305	717	719	720	rBV2	61718	59846	3.90%	0.237%
52	10.373	723	725	726	rVB	66592	57197	3.72%	0.227%
53	10.419	728	729	731	rVV	133516	179937	11.71%	0.713%
54	10.476	731	734	735	rVB2	69048	100284	6.53%	0.397%
55	10.511	735	737	738	rBV	43233	39339	2.56%	0.156%
56	10.545	738	740	743	rBV2	406597	517233	33.67%	2.049%
57	10.591	743	744	747	rVB3	45016	60232	3.92%	0.239%
58	10.648	747	749	750	rBV2	31436	48416	3.15%	0.192%
59	10.682	750	752	755	rBV2	290976	489128	31.84%	1.937%
60	10.751	756	758	759	rBV2	52433	50903	3.31%	0.202%
61	10.888	767	770	773	rVB5	100222	188710	12.28%	0.747%
62	11.002	778	780	783	rVB3	71637	104713	6.82%	0.415%
63	11.048	783	784	786	rVB2	32954	34874	2.27%	0.138%
64	11.128	786	791	792	rBV	322455	395419	25.74%	1.566%
65	11.151	792	793	797	rVB	185583	203857	13.27%	0.807%
66	11.242	799	801	805	rBV2	1235237	1536103	100.00%	6.084%
67	11.322	805	808	810	rVB2	69340	121891	7.94%	0.483%
68	11.368	810	812	813	rVB2	35705	47144	3.07%	0.187%
69	11.402	813	815	816	rVB2	25289	33311	2.17%	0.132%
70	11.436	816	818	819	rVB2	27968	32361	2.11%	0.128%
71	11.482	821	822	826	rVB2	61278	87790	5.72%	0.348%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.551	826	828	829	rBV	329071	268088	17.45%	1.062%
73	11.745	843	845	846	rBV	89929	87625	5.70%	0.347%
74	11.768	846	847	850	rVV	77282	102876	6.70%	0.407%
75	11.814	850	851	852	rVV	36560	29963	1.95%	0.119%
76	11.859	852	855	860	rVB4	89928	172838	11.25%	0.685%
77	11.951	862	863	868	rVB	163088	256029	16.67%	1.014%
78	12.042	870	871	872	rBV	37912	30262	1.97%	0.120%
79	12.111	876	877	881	rVB3	40363	59660	3.88%	0.236%
80	12.191	881	884	885	rBV2	34229	69191	4.50%	0.274%
81	12.294	891	893	895	rBV	79509	91674	5.97%	0.363%
82	12.339	895	897	899	rVB2	119015	177977	11.59%	0.705%
83	12.374	899	900	902	rBV2	39970	62520	4.07%	0.248%
84	12.454	905	907	909	rBV	559774	510194	33.21%	2.021%
85	12.499	909	911	915	rVB3	13637	31531	2.05%	0.125%
86	12.682	924	927	928	rBV	415458	518753	33.77%	2.055%
87	12.716	928	930	936	rVV	499629	709956	46.22%	2.812%
88	12.831	938	940	942	rVV	712053	707615	46.07%	2.803%
89	13.014	954	956	957	rVB	40566	43671	2.84%	0.173%
90	13.082	959	962	964	rBV2	362061	604833	39.37%	2.395%
91	13.277	976	979	982	rBV	184739	307367	20.01%	1.217%
92	13.414	989	991	996	rVB4	40793	78658	5.12%	0.312%
93	13.517	998	1000	1003	rBV	32893	57590	3.75%	0.228%
94	13.574	1003	1005	1007	rBV	97459	146668	9.55%	0.581%
95	13.734	1017	1019	1022	rBV3	55188	94230	6.13%	0.373%
96	13.882	1029	1032	1033	rBV2	829304	1112976	72.45%	4.408%
97	14.888	1117	1120	1124	rBV	169473	359596	23.41%	1.424%
98	15.162	1141	1144	1146	rVV	84435	127467	8.30%	0.505%
99	15.220	1146	1149	1151	rVV	125225	191926	12.49%	0.760%
100	15.277	1151	1154	1163	rVB	613169	948695	61.76%	3.757%

Sum of corrected areas: 25249198

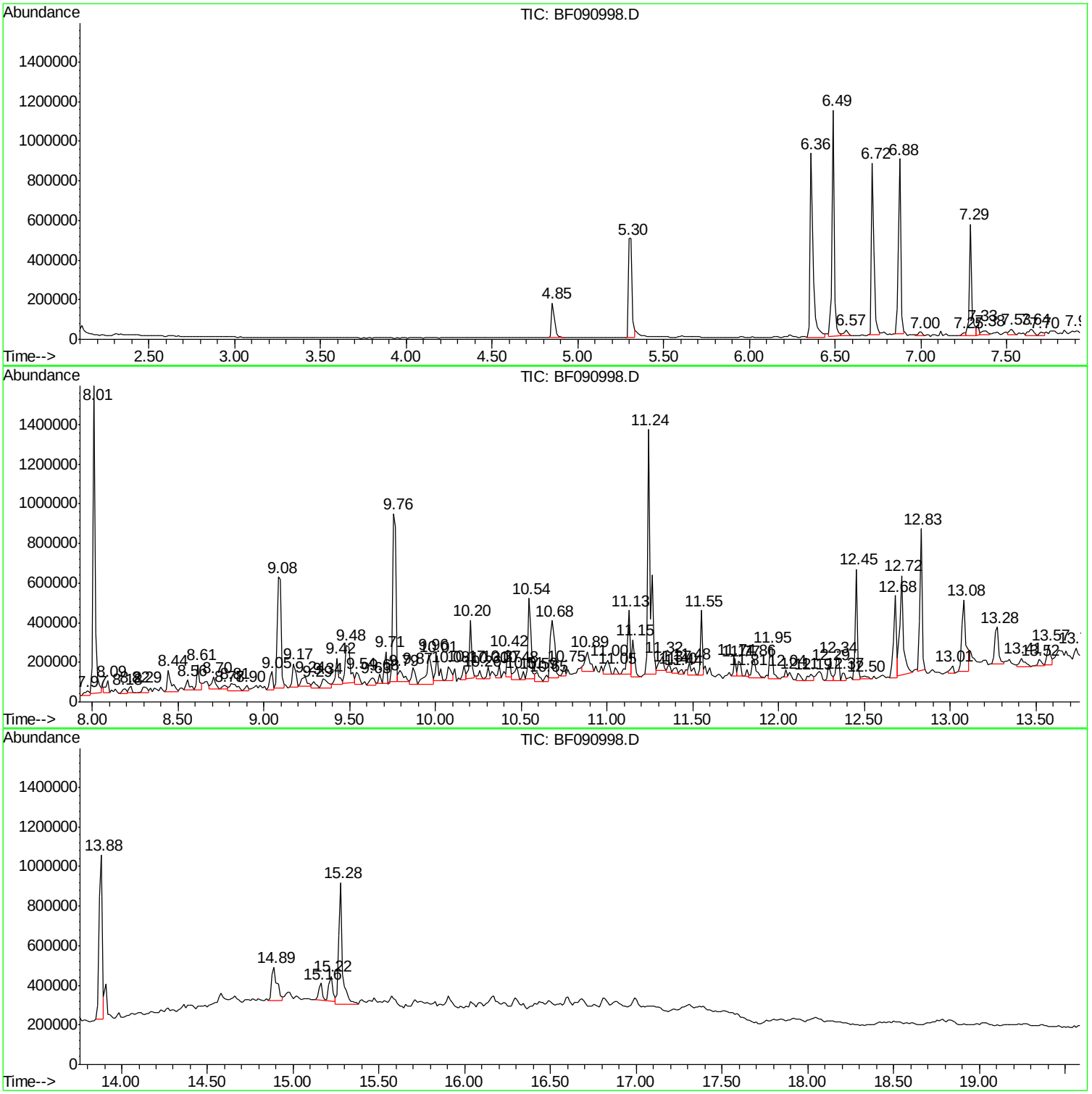
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

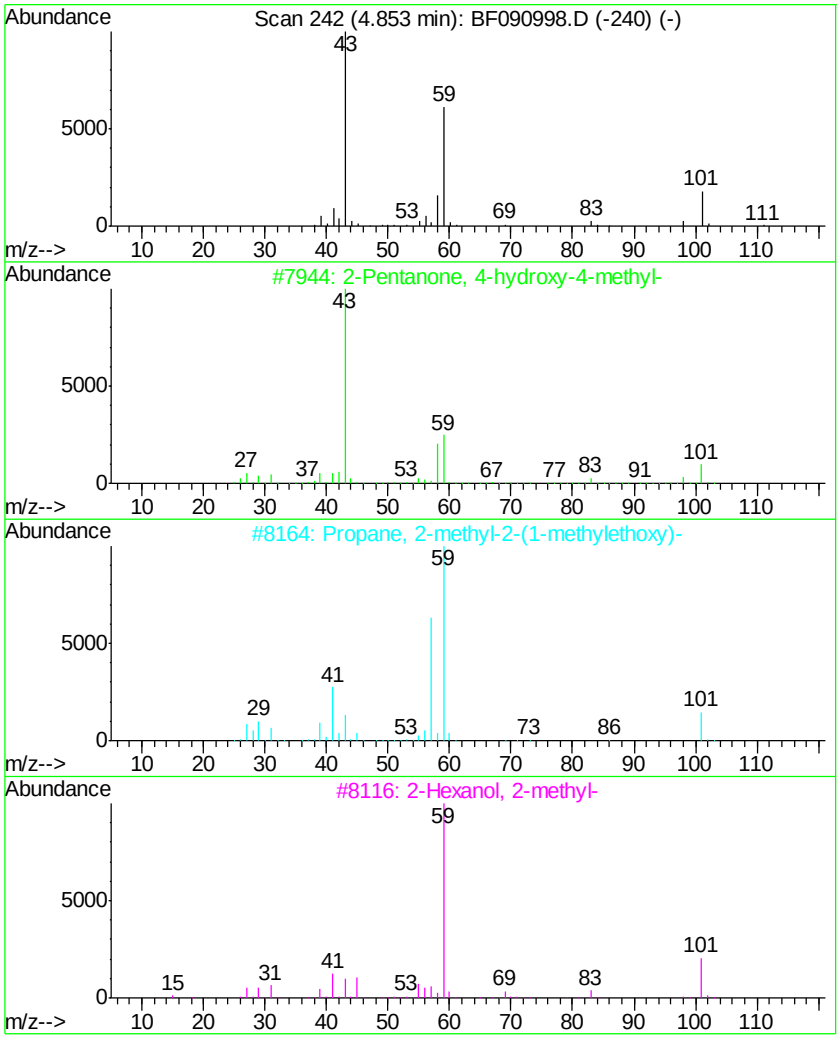
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

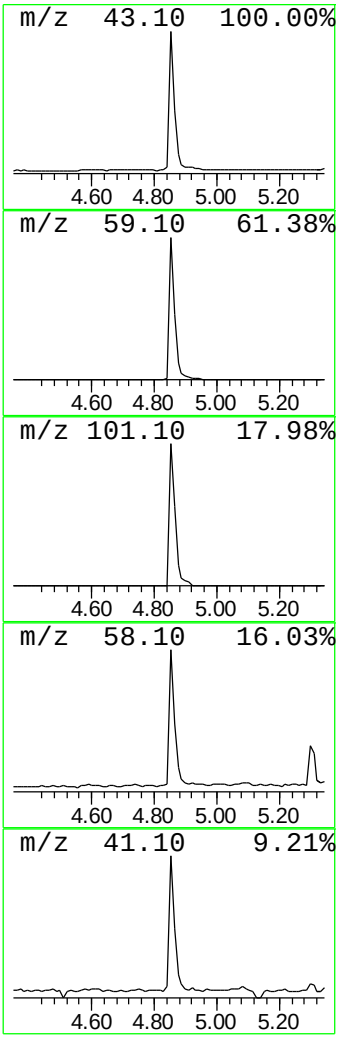
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	4.20 ng	204633	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

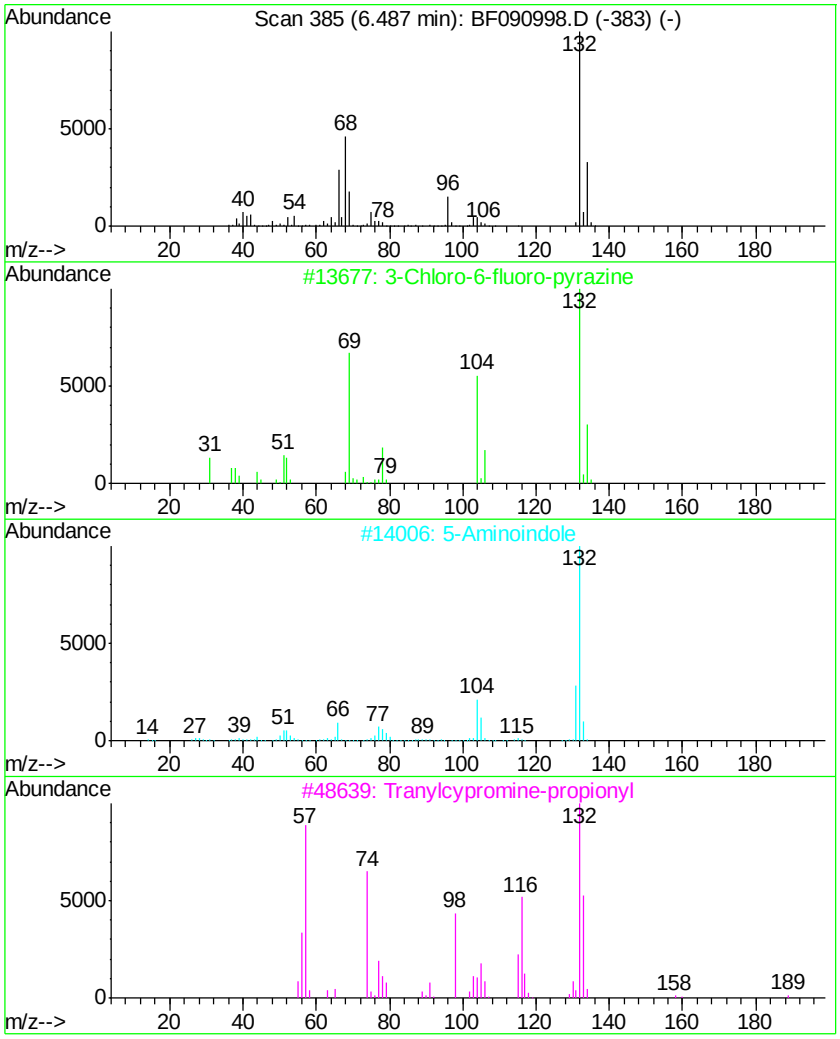
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

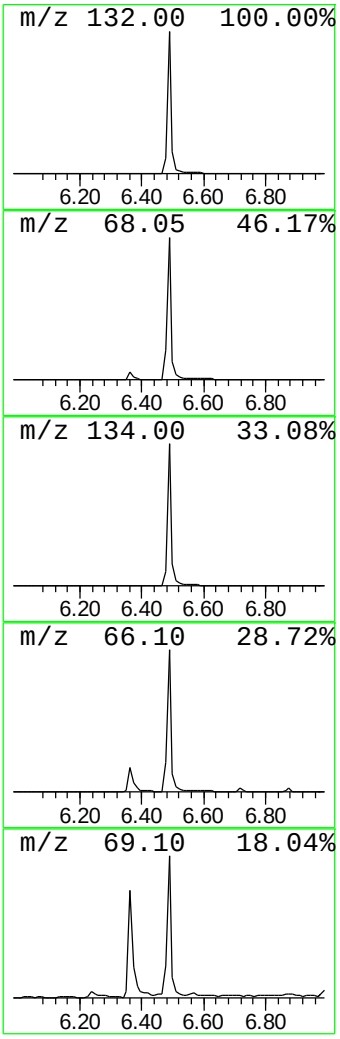
****

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	22.16 ng	1080890	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	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	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

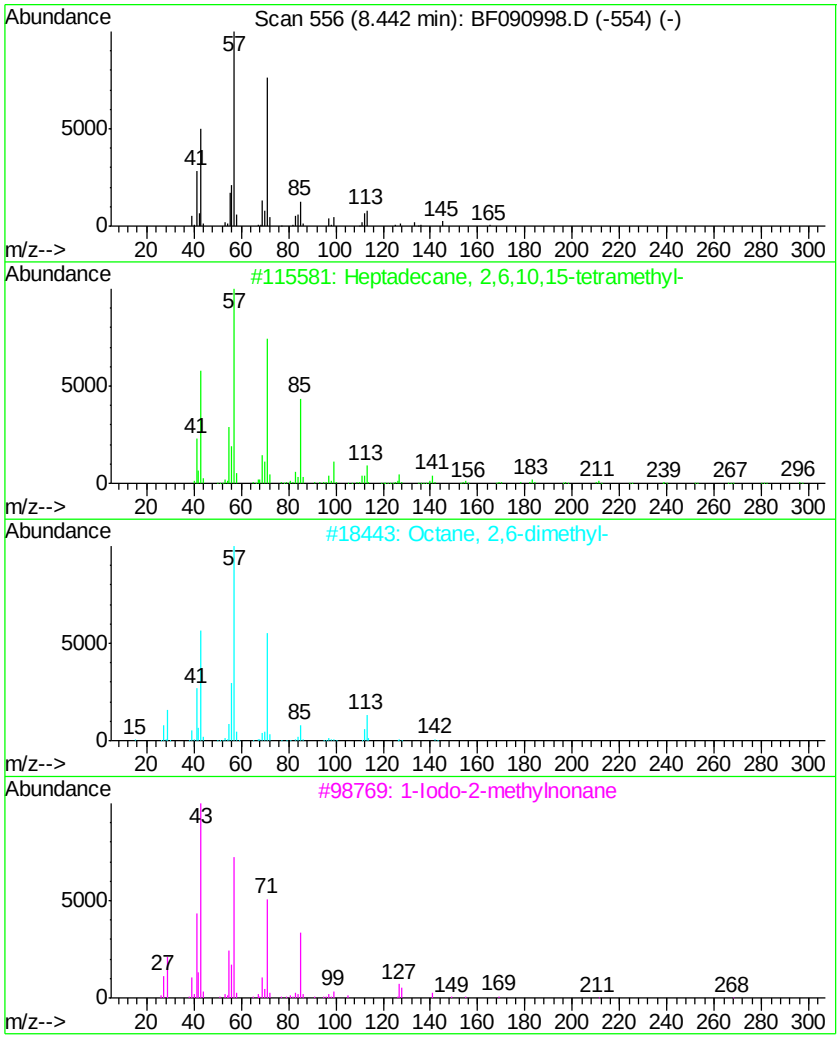
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

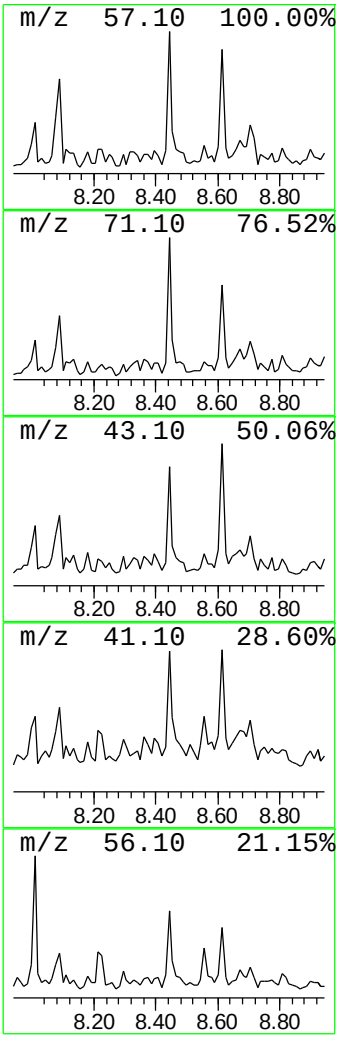
****

Peak Number 4 Heptadecane, 2,6,10,15-tetr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	2.65 ng	192117	Naphthalene-d8	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
5	Decane, 2-methyl-	156	C11H24	006975-98-0	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

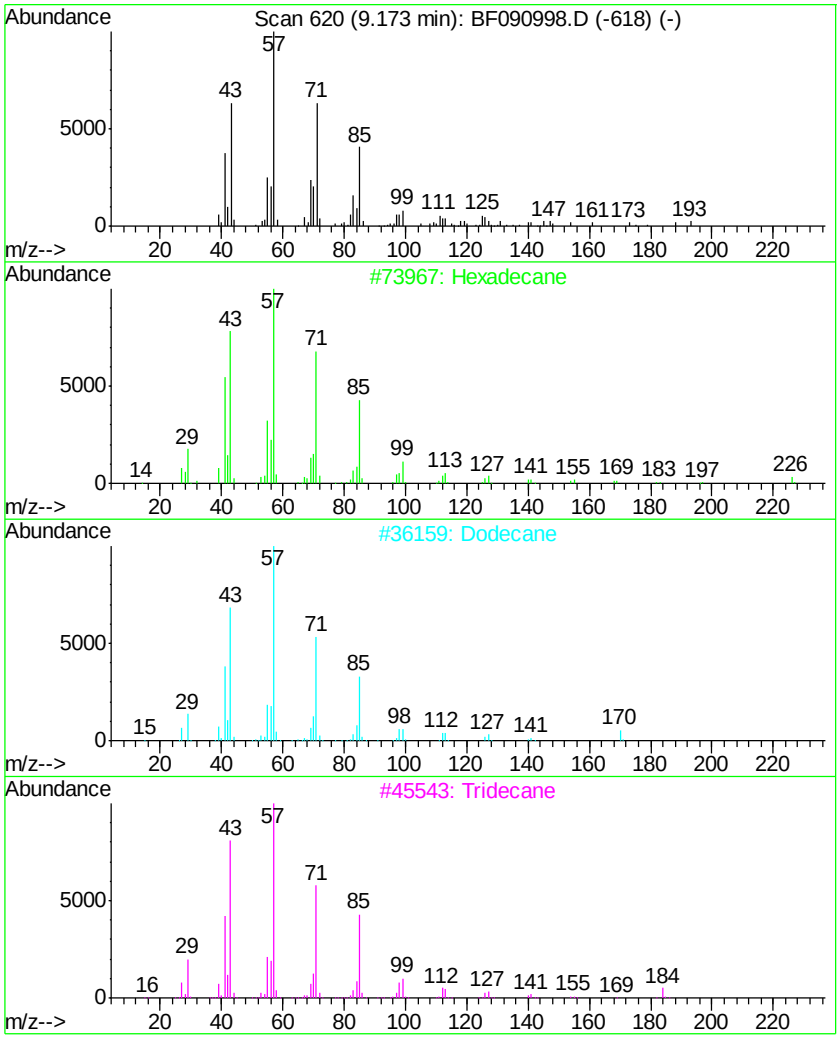
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

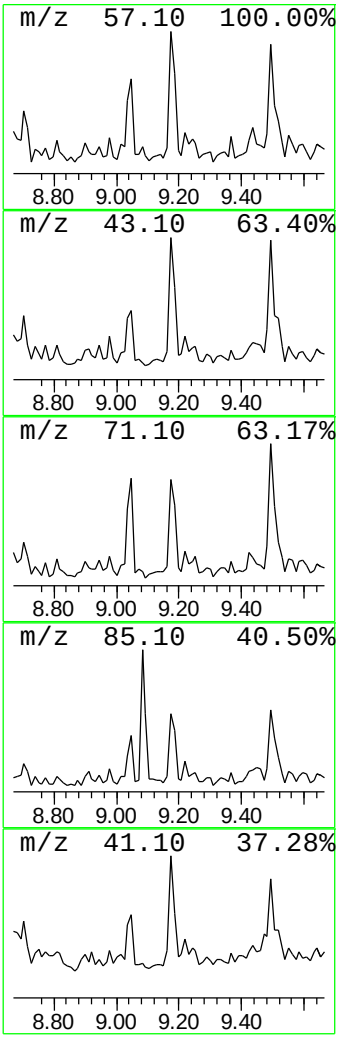
****

Peak Number 5 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	2.46 ng	146218	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Dodecane	170	C12H26	000112-40-3	80
3	Tridecane	184	C13H28	000629-50-5	80
4	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	72
5	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

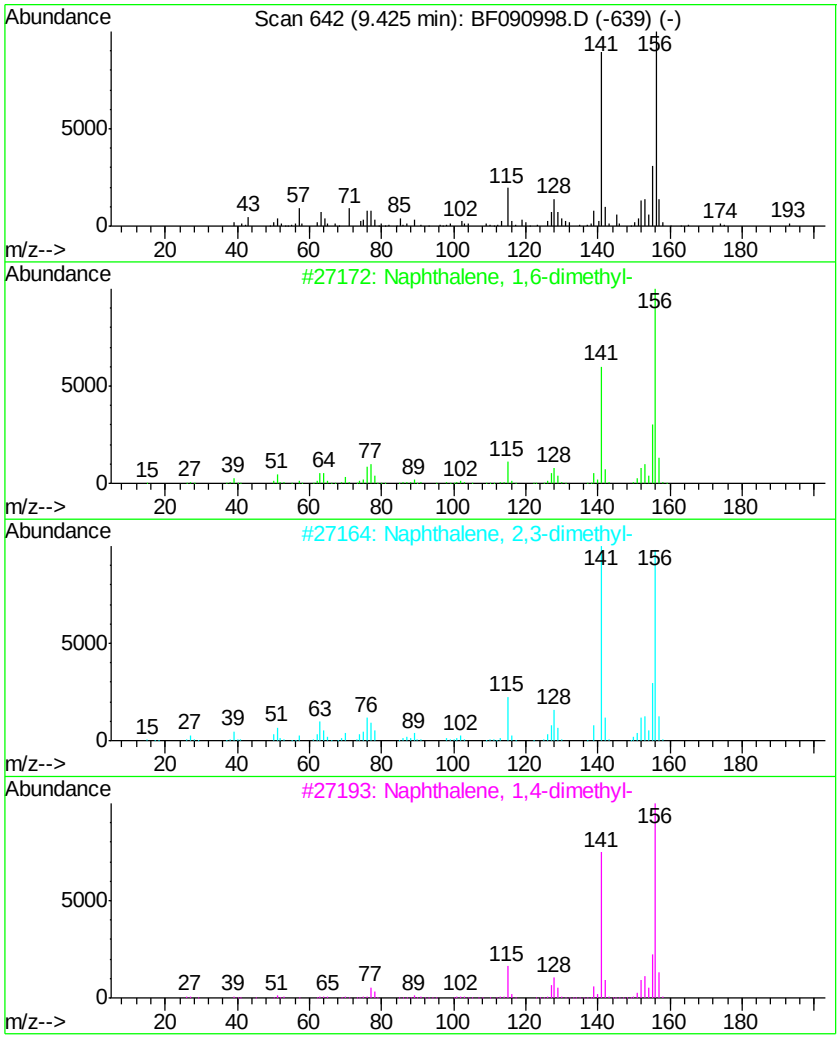
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

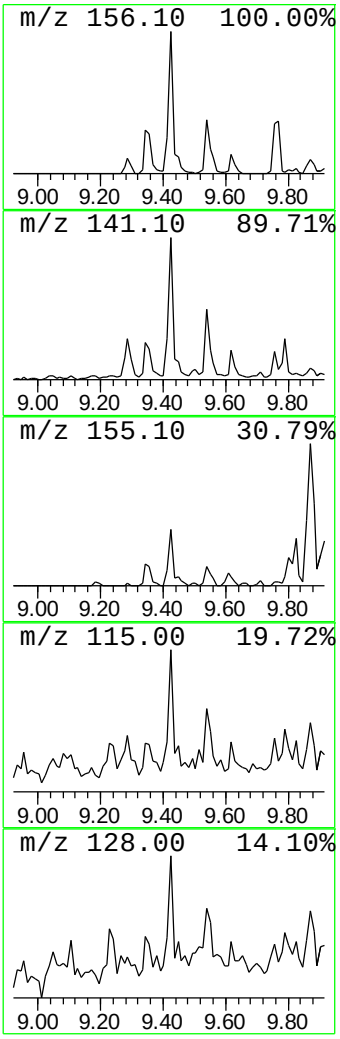
****

Peak Number 6 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.86 ng	169958	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

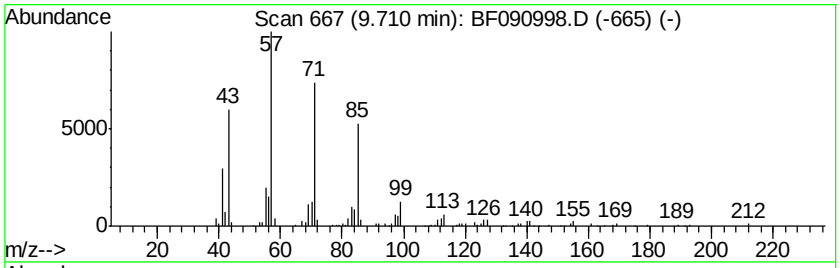
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

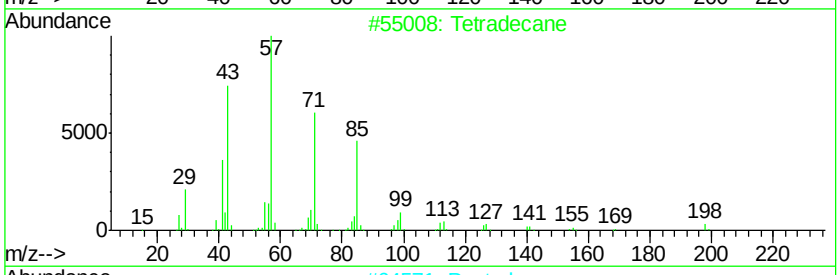
****

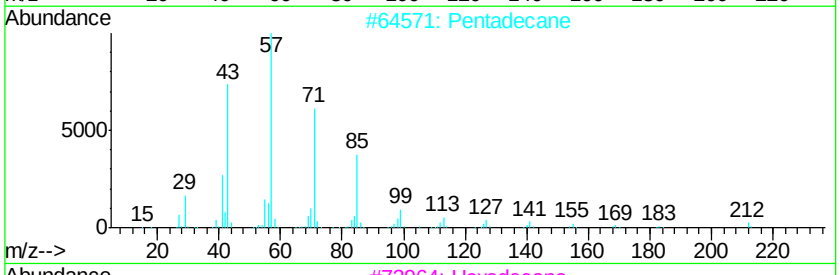
Peak Number 7 Tetradecane Concentration Rank 15

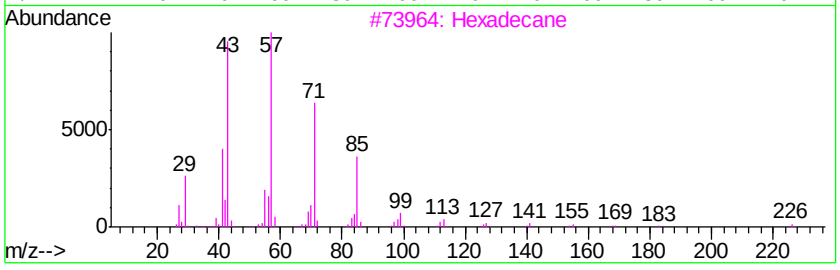
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	2.83 ng	168146	Acenaphthene-d10	9.77

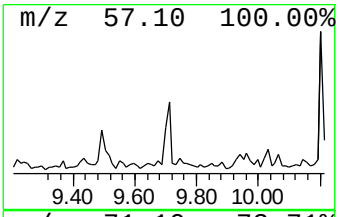
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Pentadecane	212	C15H32	000629-62-9	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	80
5	Heptacosane	380	C27H56	000593-49-7	72

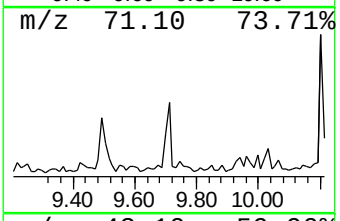


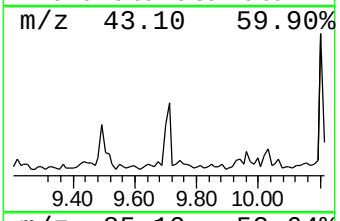


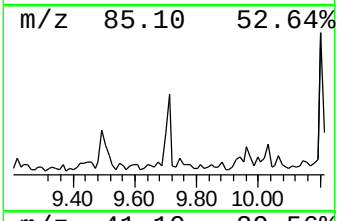


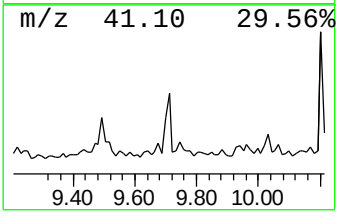












Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

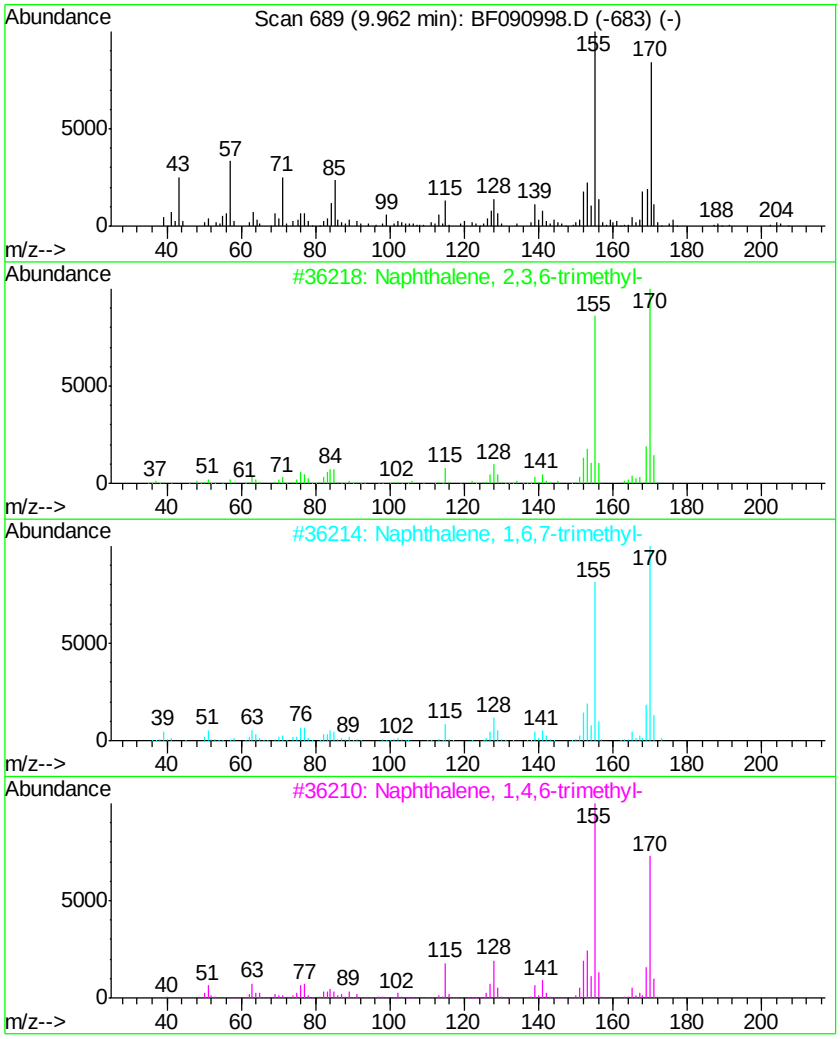
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

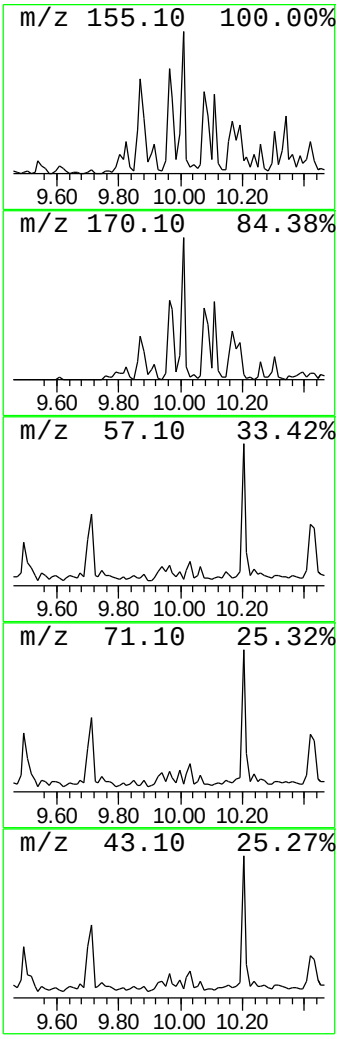
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	5.18 ng	307737	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

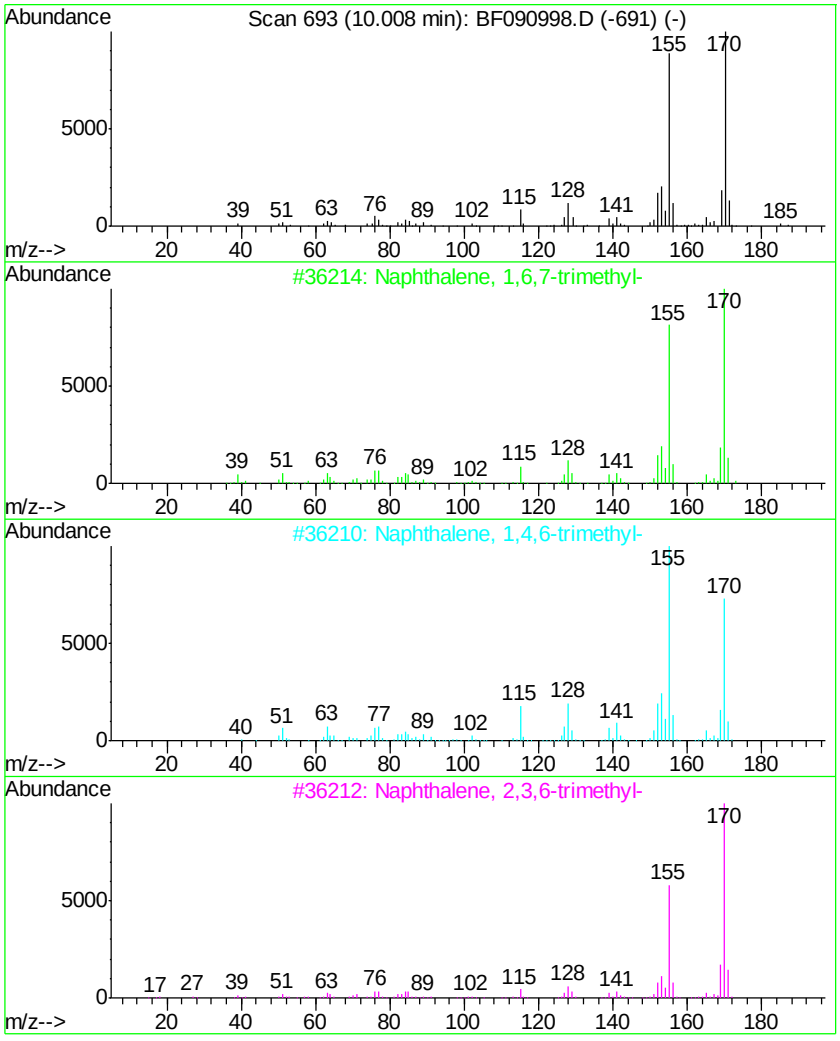
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

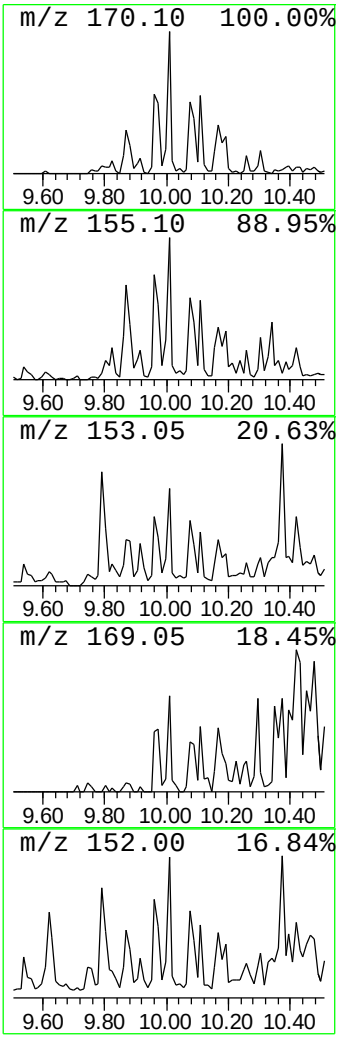
****

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	3.02 ng	179684	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

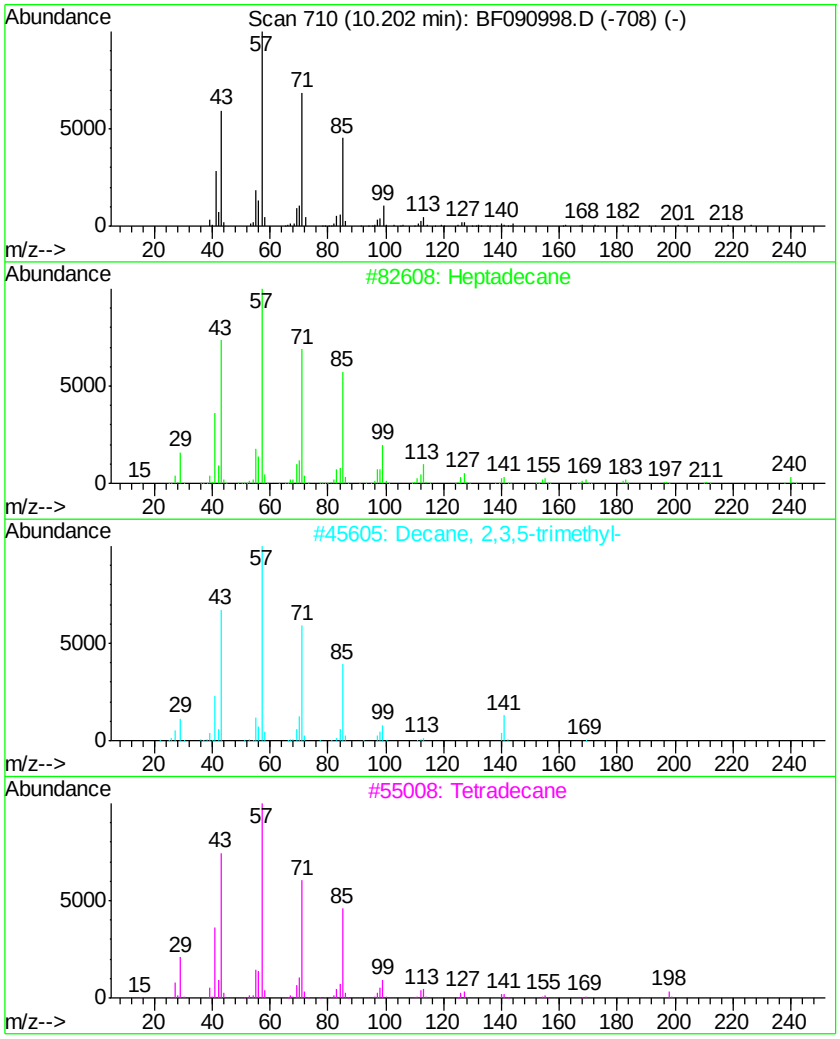
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

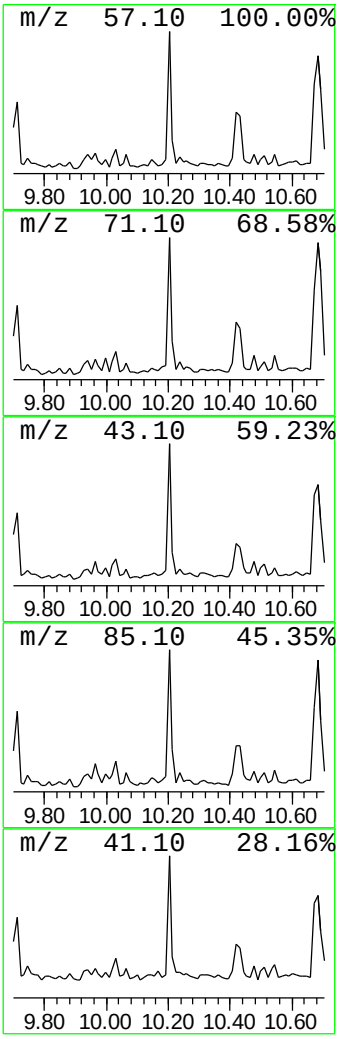
****

Peak Number 10 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	4.64 ng	276062	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Eicosane	282	C20H42	000112-95-8	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

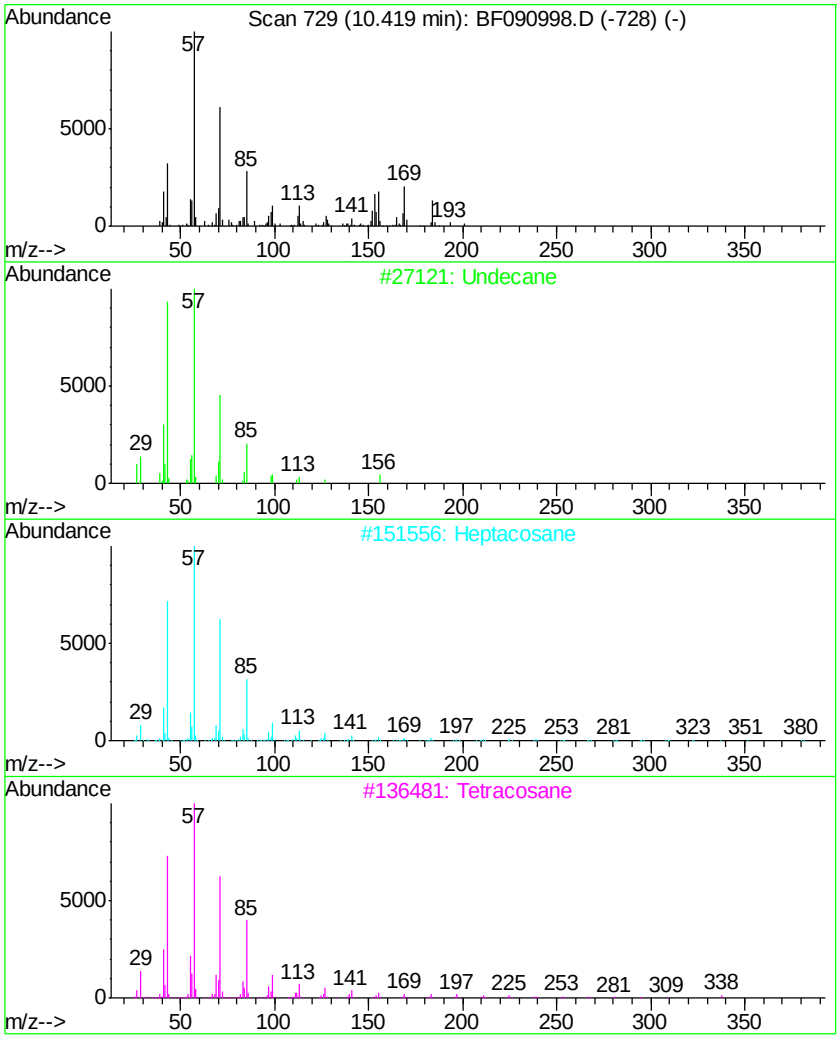
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

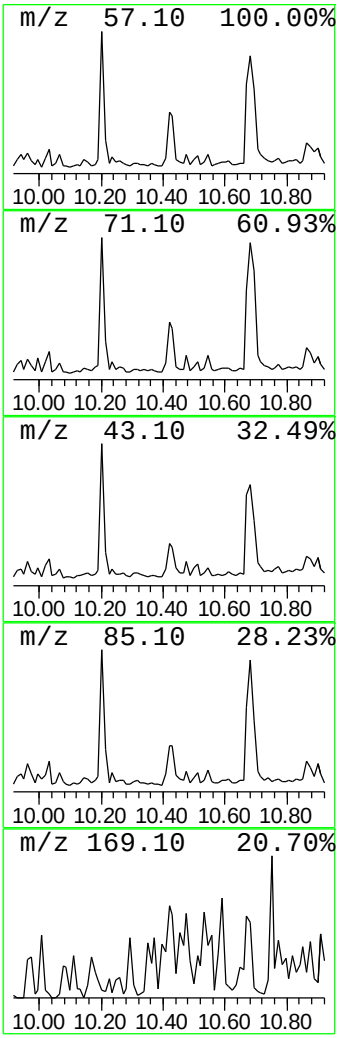
****

Peak Number 11 Undecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	3.03 ng	179937	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	53
2	Heptacosane	380	C27H56	000593-49-7	52
3	Tetracosane	338	C24H50	000646-31-1	52
4	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	50
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

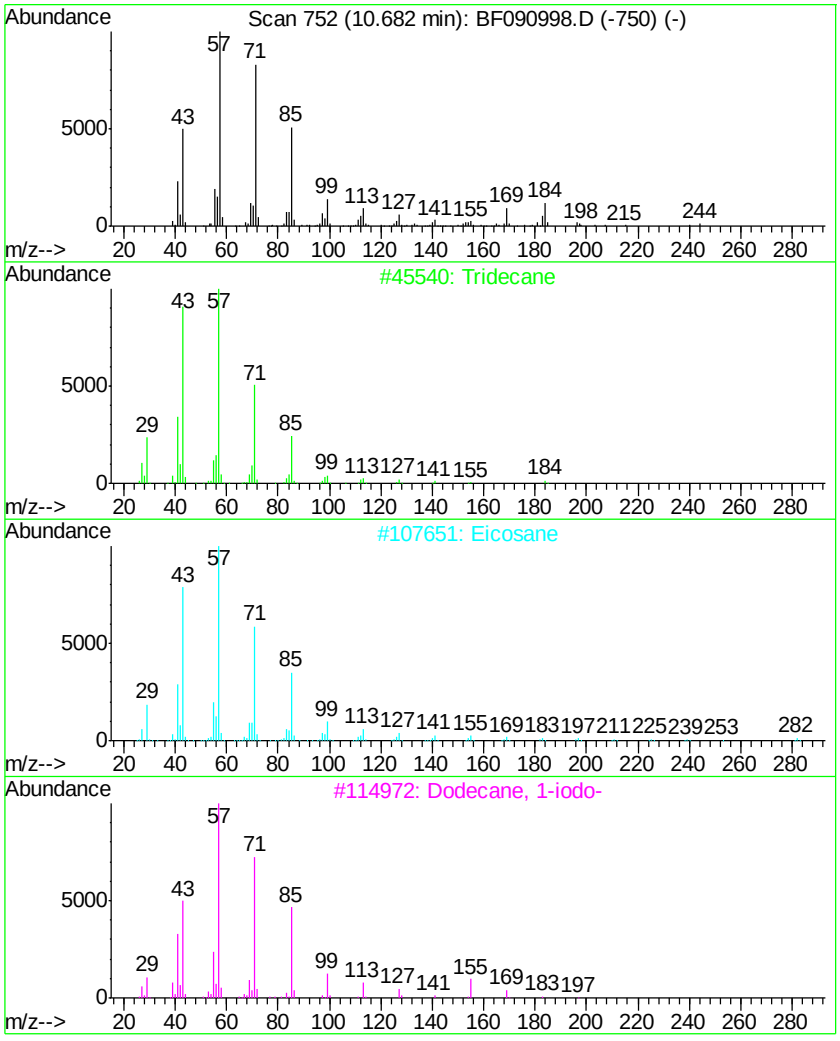
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

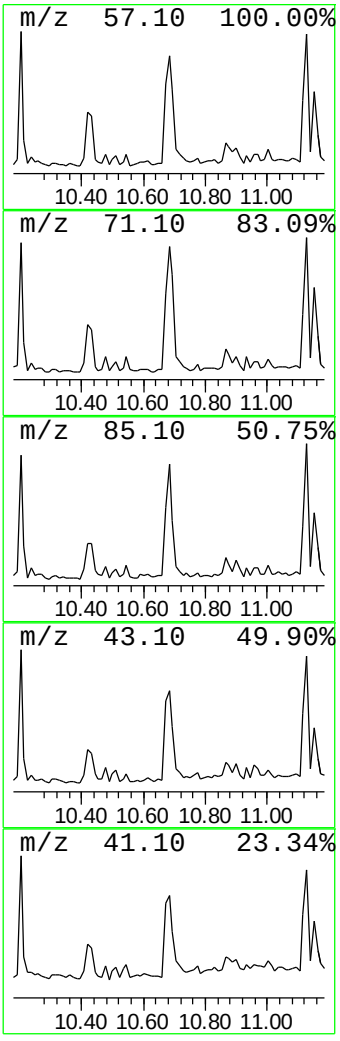
****

Peak Number 12 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	6.37 ng	489128	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Eicosane	282	C20H42	000112-95-8	83
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
4	Pentadecane	212	C15H32	000629-62-9	80
5	Tetracosane	338	C24H50	000646-31-1	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

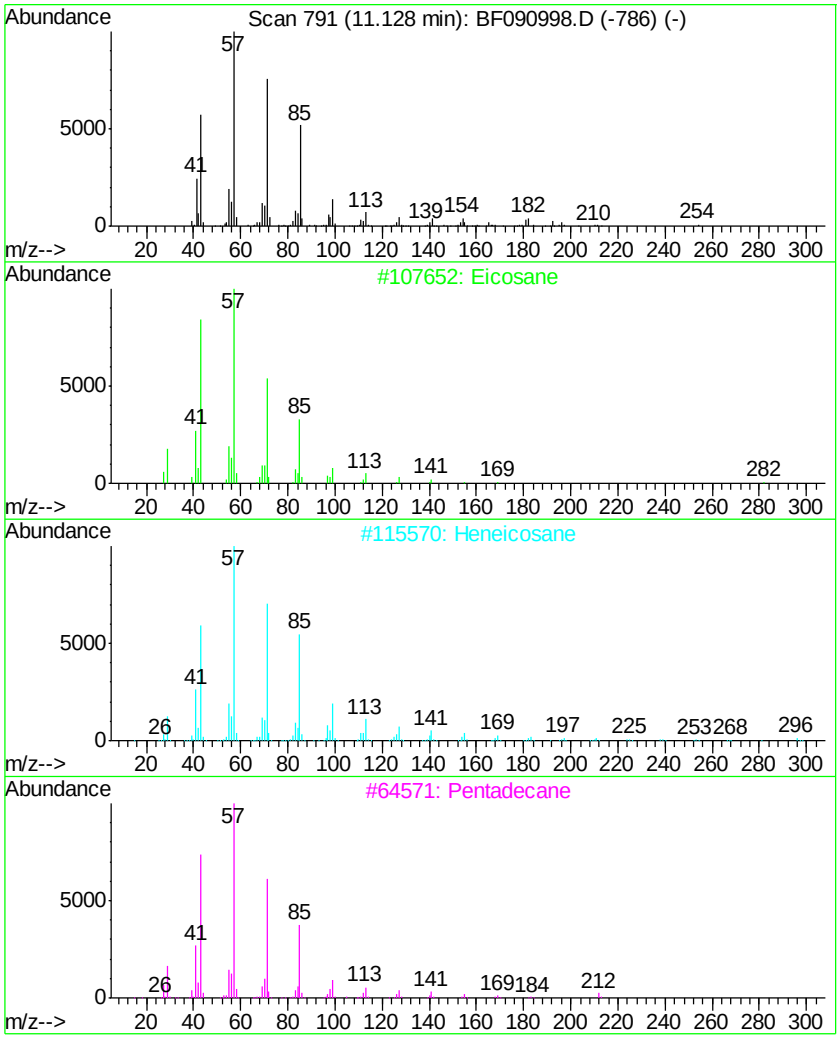
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

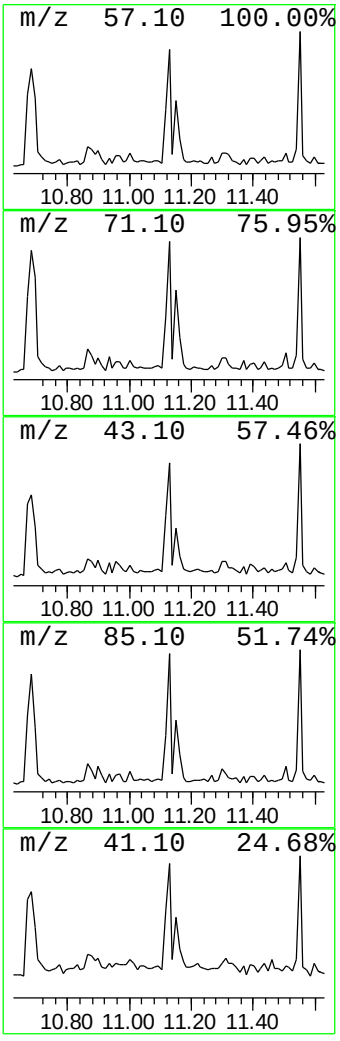
****

Peak Number 13 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	5.15 ng	395419	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Pentadecane	212	C15H32	000629-62-9	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

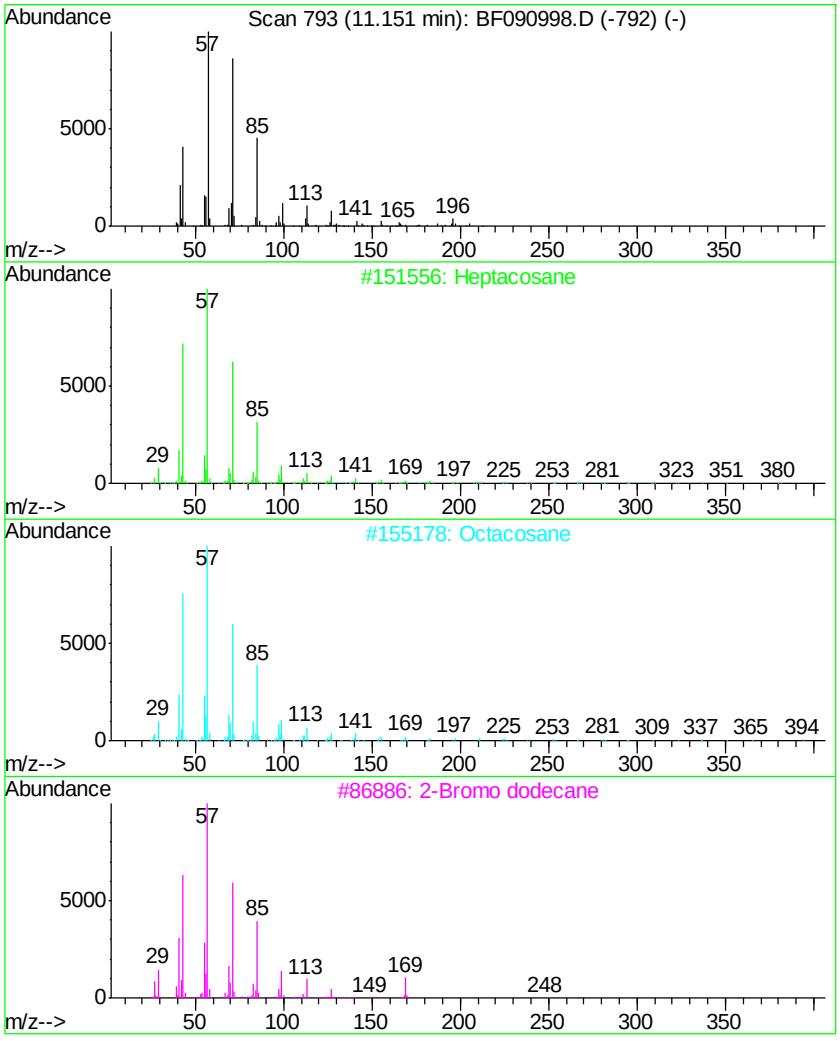
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

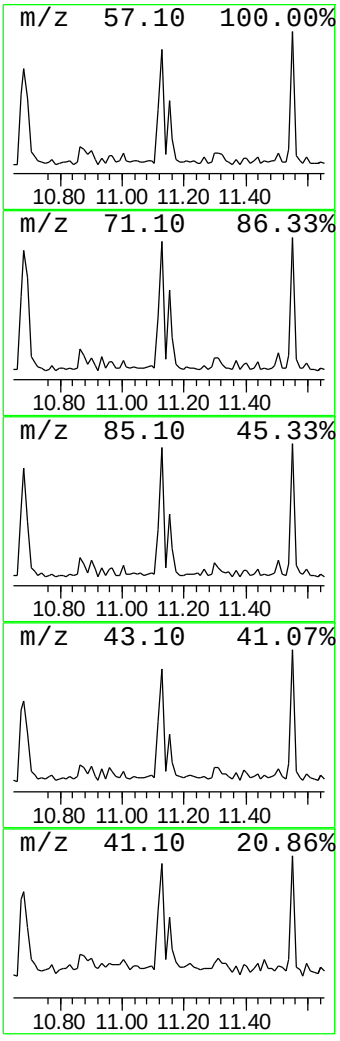
****

Peak Number 14 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	2.65 ng	203857	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Octacosane	394	C28H58	000630-02-4	86
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
4	Decane, 3-methyl-	156	C11H24	013151-34-3	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

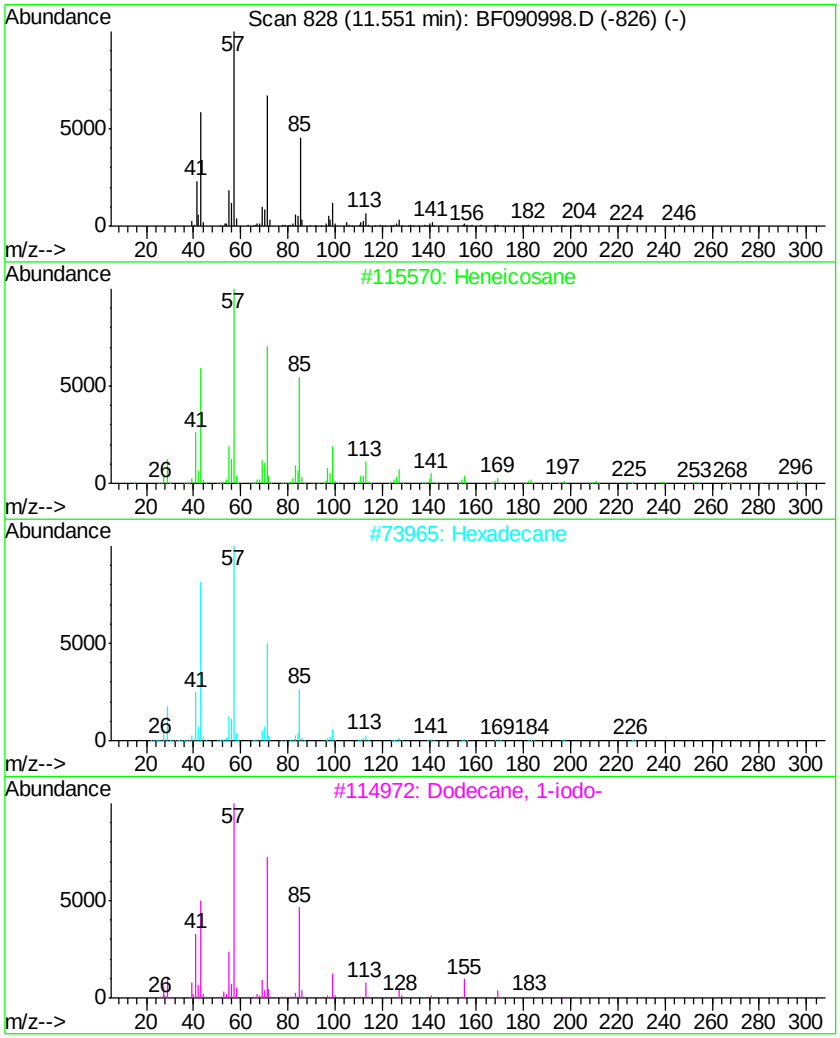
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

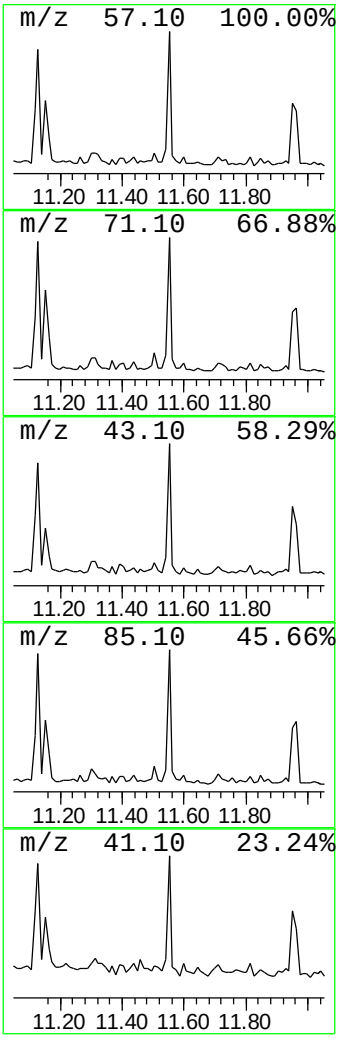
****

Peak Number 15 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	3.49 ng	268088	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Heptacosane	380	C27H56	000593-49-7	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

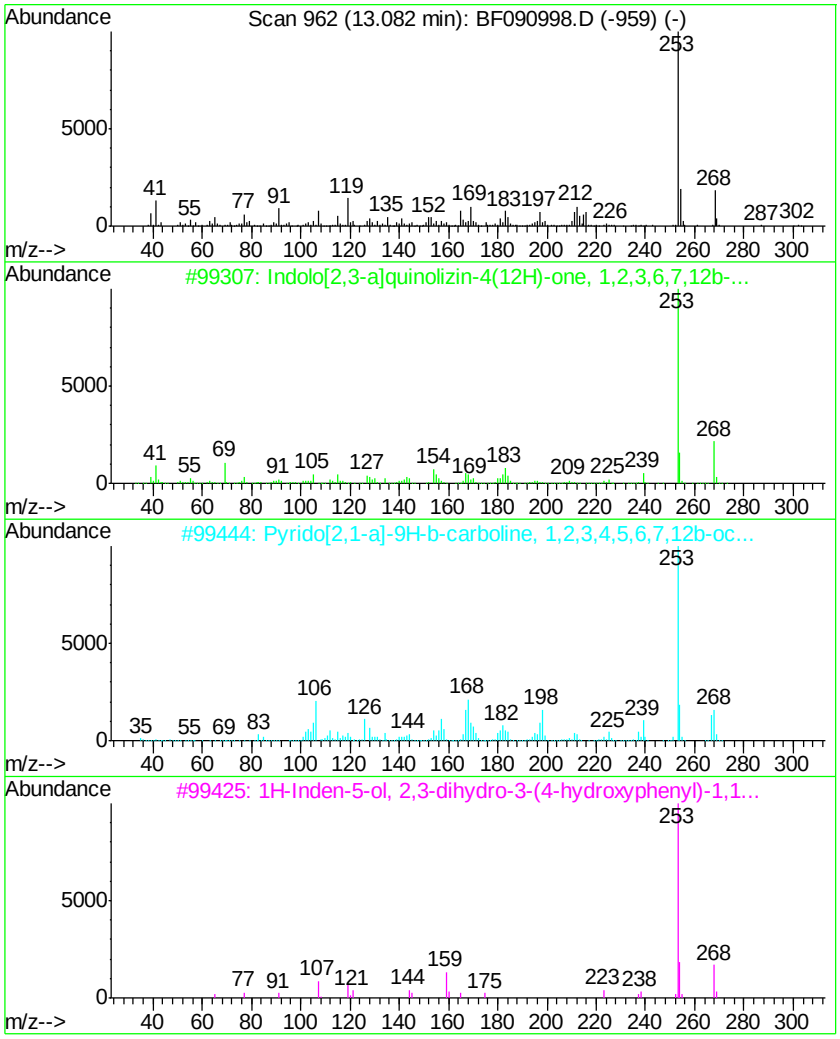
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

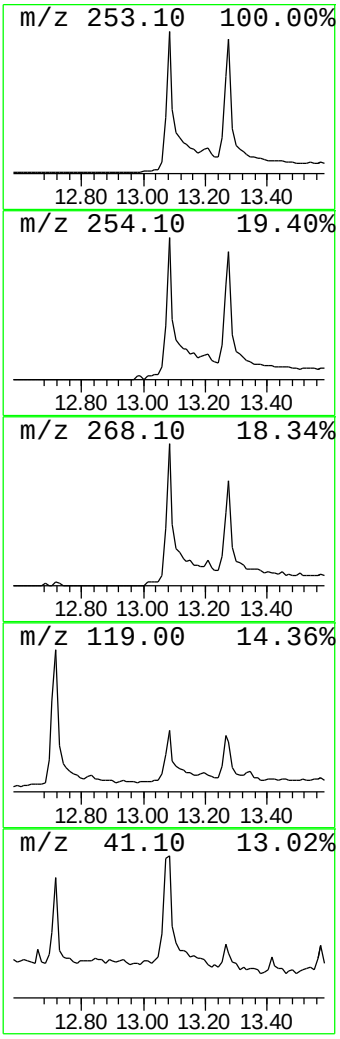
****

Peak Number 17 Indolo[2,3-a]quinolizin-4(1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	10.87 ng	604833	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolo[2,3-a]quinolizin-4(12H)-o...	268	C17H20N2O	020156-09-6	76
2	Pyrido[2,1-a]-9H-b-carboline, 1,...	268	C18H24N2	082605-35-4	53
3	1H-Inden-5-ol, 2,3-dihydro-3-(4-...	268	C18H20O2	010527-11-4	50
4	1,5-Diphenyl-2H-1,2,4-triazoline...	253	C14H11N3S	005055-74-3	47
5	Triamterene	253	C12H11N7	000396-01-0	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

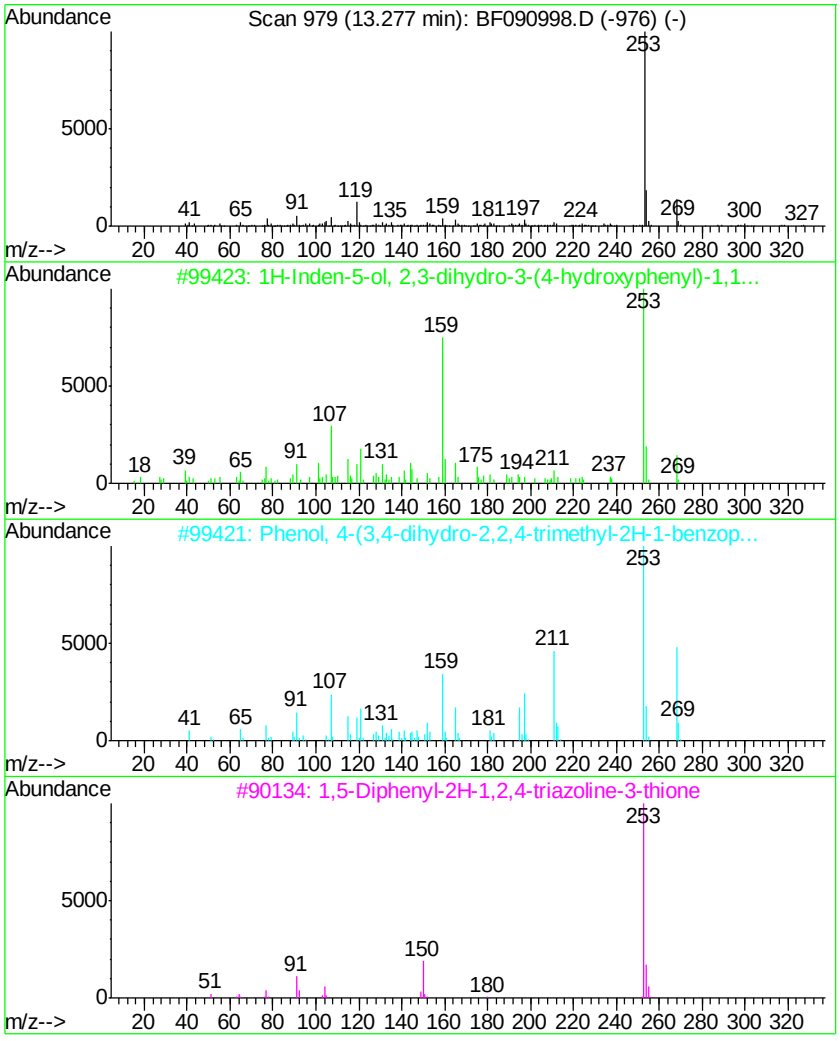
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

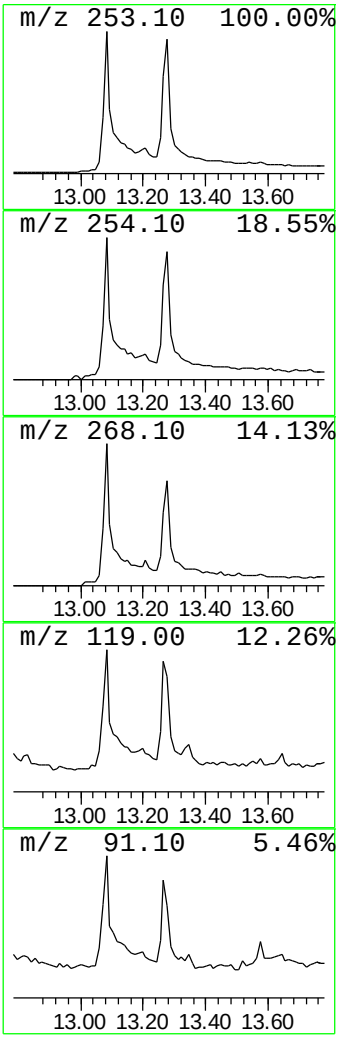
****

Peak Number 18 1H-Inden-5-ol, 2,3-dihydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.52 ng	307367	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-3-(4-...	268	C18H20O2	010527-11-4	72
2	Phenol, 4-(3,4-dihydro-2,2,4-tri...	268	C18H20O2	000472-41-3	59
3	1,5-Diphenyl-2H-1,2,4-triazoline...	253	C14H11N3S	005055-74-3	53
4	1,3-Diphenyl-4H-1,2,4-triazoline...	253	C14H11N3S	005055-73-2	53
5	2H-Benzopyran-6-carbonitrile, 3,...	286	C16H18N2O3	150871-62-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

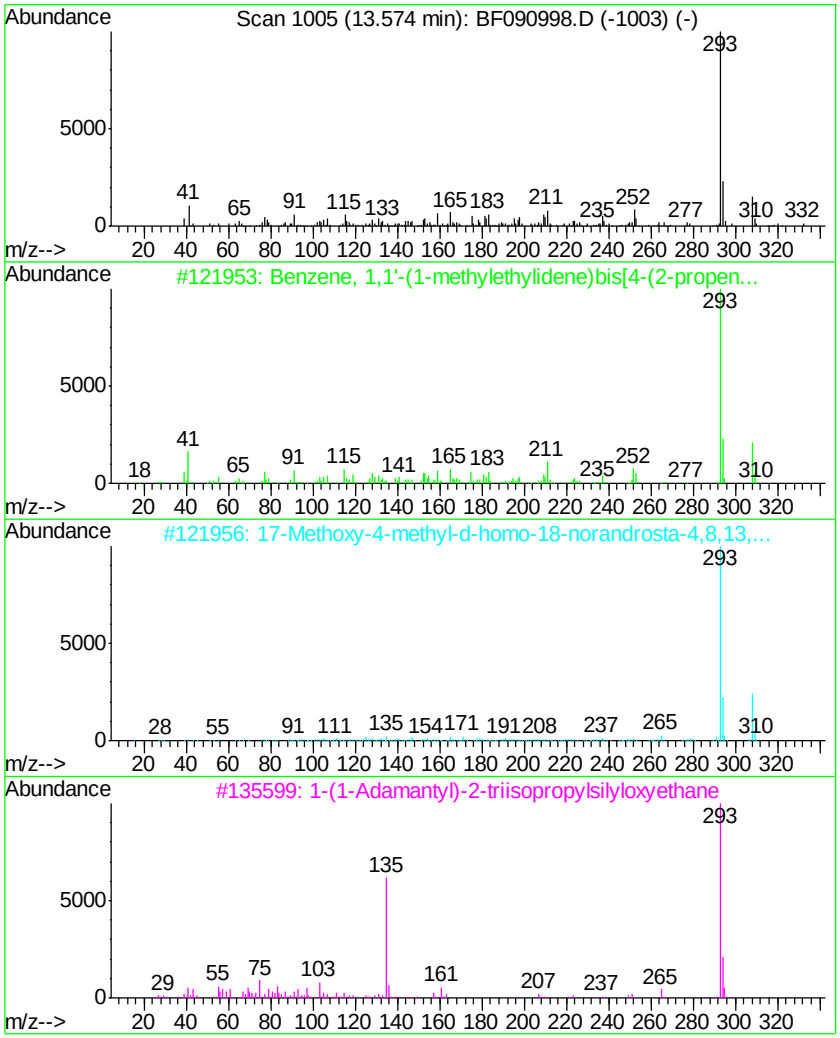
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

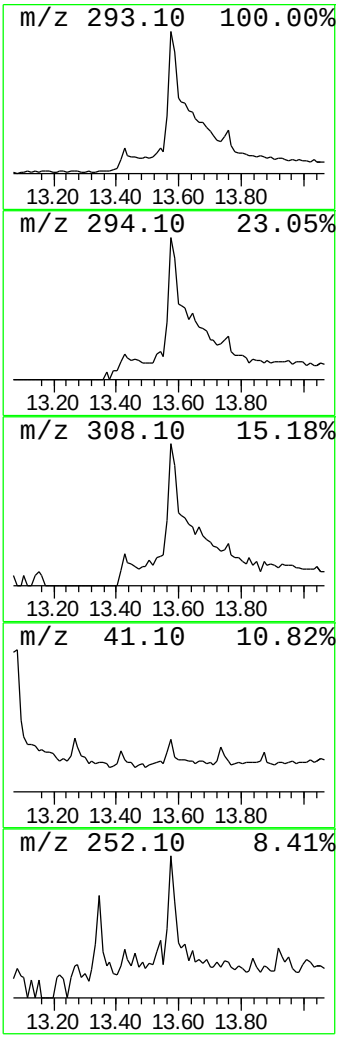
****

Peak Number 19 Benzene, 1,1'-(1-methylethy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2.64 ng	146668	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-methylethylidene...	308	C21H24O2	003739-67-1	96
2	17-Methoxy-4-methyl-d-homo-18-no...	308	C21H24O2	100623-62-9	81
3	1-(1-Adamantyl)-2-triisopropylsi...	336	C21H40OSi	1000283-09-8	53
4	8-Nitro-2-phenoxathiinol 10,10-d...	293	C12H7NO6S	105583-05-9	53
5	9H-Carbazole, 9-(2-naphthalenyl)-	293	C22H15N	034292-03-0	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

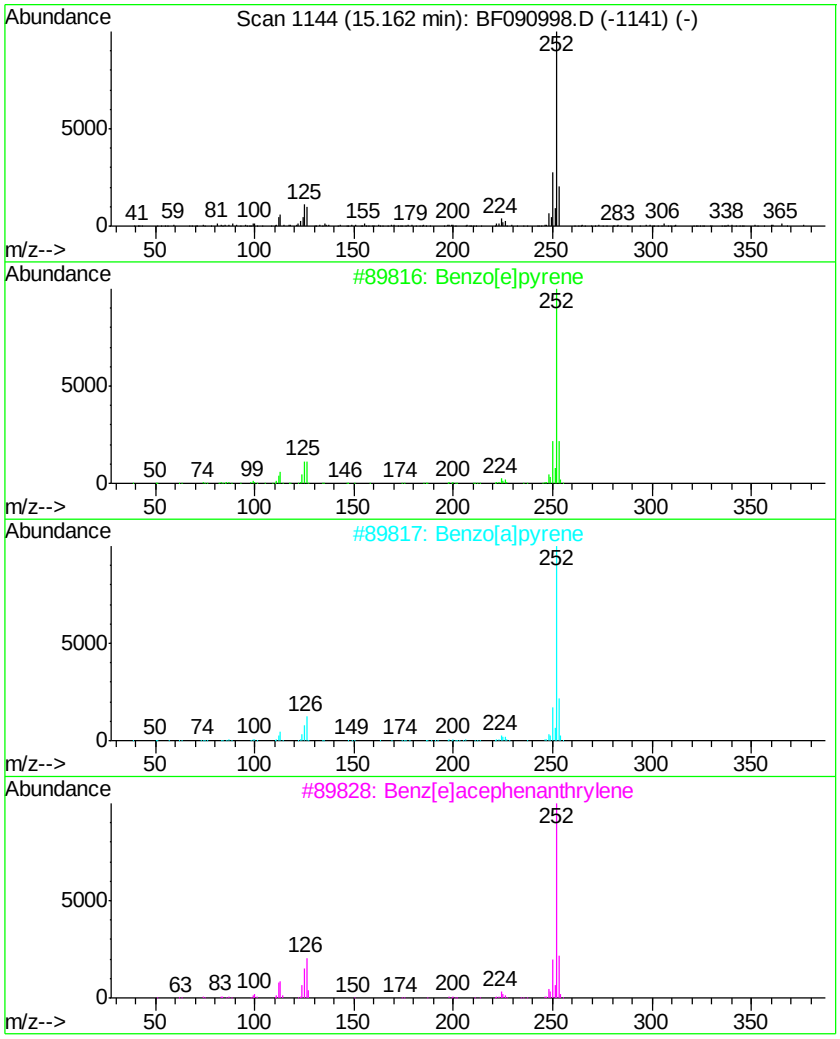
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

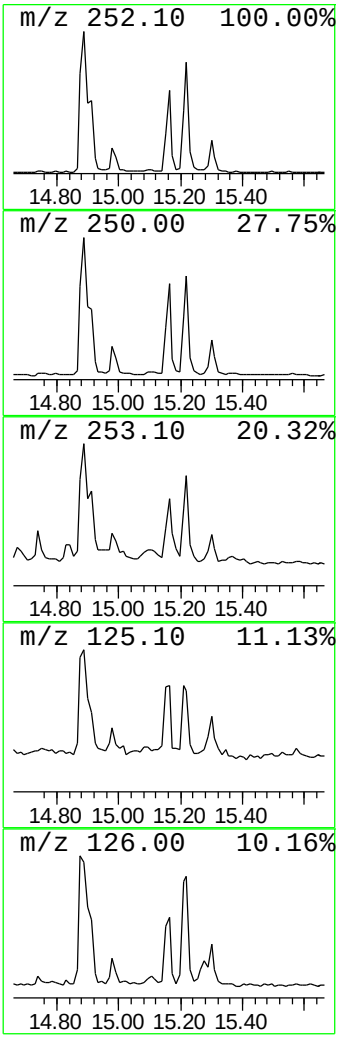
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	2.69 ng	127467	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090998.D
Acq On : 2 Nov 2016 23:40
Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-73-0.5-1.0RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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...	4.85	4.2	ng	204633	1	6.72	975360	20.0
unknown6.49	6.49	22.2	ng	1080890	1	6.72	975360	20.0
Heptadecane, 2,6,...	8.44	2.6	ng	192117	2	8.01	1451950	20.0
Hexadecane	9.17	2.5	ng	146218	3	9.77	1189270	20.0
Naphthalene, 1,6-...	9.42	2.9	ng	169958	3	9.77	1189270	20.0
Tetradecane	9.71	2.8	ng	168146	3	9.77	1189270	20.0
Naphthalene, 2,3,...	9.96	5.2	ng	307737	3	9.77	1189270	20.0
Naphthalene, 1,6,...	10.01	3.0	ng	179684	3	9.77	1189270	20.0
Heptadecane	10.20	4.6	ng	276062	3	9.77	1189270	20.0
Undecane	10.42	3.0	ng	179937	3	9.77	1189270	20.0
Tridecane	10.68	6.4	ng	489128	4	11.24	1536100	20.0
Eicosane	11.13	5.2	ng	395419	4	11.24	1536100	20.0
Heptacosane	11.15	2.6	ng	203857	4	11.24	1536100	20.0
Heneicosane	11.55	3.5	ng	268088	4	11.24	1536100	20.0
Indolo[2,3-a]quin...	13.08	10.9	ng	604833	5	13.88	1112980	20.0
1H-Inden-5-ol, 2,...	13.28	5.5	ng	307367	5	13.88	1112980	20.0
Benzene, 1,1'-(1-...	13.57	2.6	ng	146668	5	13.88	1112980	20.0
Benzo[e]pyrene	15.16	2.7	ng	127467	6	15.28	948695	20.0