LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

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-BF041516.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	2.155	4	6	24	rVB	214792	459214	7.45%	0.451%
2	5.081	260	262	271	rVB	234750	332427	5.39%	0.326%
3	5.493	295	298	300	rBV	4700360	5965328	96.80%	5.856%
4	6.521	384	388	390	rBV	4809002	6162710	100.00%	6.050%
5	6.659	397	400	402	rBV	5507570	5588327	90.68%	5.486%
6	6.887	418	420	423	rBV	1505927	1669765	27.09%	1.639%
7	7.047	432	434	437	rVB	4580121	4099301	66.52%	4.024%
8	7.459	467	470	472	rBV	3437038	4133541	67.07%	4.058%
9	7.539	474	477	479	rVB	112414	122348	1.99%	0.120%
10	8.179	530	533	535	rBV	2612494	2392916	38.83%	2.349%
11	8.990	601	604	606	rBV	143322	121079	1.96%	0.119%
12	9.253	624	627	630	rVB	5188170	5189166	84.20%	5.094%
13	9.585	654	656	658	rBV	108301	162022	2.63%	0.159%
14	9.653	660	662	664	rVV	753119	971479	15.76%	0.954%
15	9.870	679	681	683	rBV	196536	160906	2.61%	0.158%
16	9.928	684	686	688	rVV	2140536	2444137	39.66%	2.399%
17	9.962	688	689	691	rVB	965100	728110	11.81%	0.715%
18	10.133	702	704	706	rVV	398950	318312	5.17%	0.312%
19	10.362	718	724	726	rBV2	208568	430260	6.98%	0.422%
20	10.430	726	730	732	rBV5	40366	110904	1.80%	0.109%
21	10.476	732	734	736	rBV	879255	744348	12.08%	0.731%
22	10.590	736	744	745	rVV3	150442	442486	7.18%	0.434%
23	10.636	747	748	750	rVB	248302	190357	3.09%	0.187%
24	10.716	752	755	757	rVV	3390298	3470902	56.32%	3.407%
25	10.842	761	766	770	rBV2	449340	569591	9.24%	0.559%
26	11.025	778	782	785	rBV4	200111	414433	6.72%	0.407%
27	11.150	790	793	794	rVV3	99753	161098	2.61%	0.158%
28	11.219	796	799	801	rVB	198302	270944	4.40%	0.266%
29	11.265	801	803	804	rBV	117362	151042	2.45%	0.148%
30	11.310	804	807	811	rVB2	311773	554208	8.99%	0.544%
31	11.413	814	816	817	rBV	2490395	2505969	40.66%	2.460%
32	11.436	817	818	820	rVV	4026647	3876605	62.90%	3.806%
33	11.493	820	823	824	rVV	1187063	1665630	27.03%	1.635%
34	11.516	824	825	827	rVB	165669	159621	2.59%	0.157%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

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-BF041516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.642	833	836	837	rBV2	537992	642245	10.42%	0.630%
36	11.711	840	842	844	rVV3	213819	246867	4.01%	0.242%
37	11.916	857	860	861	rVV	641893	731475	11.87%	0.718%
38	11.939	861	862	864	rVV	1063753	986761	16.01%	0.969%
39	11.985	864	866	868	rVV	437063	458075	7.43%	0.450%
40	12.031	868	870	873	rVV	948736	1574687	25.55%	1.546%
41	12.111	873	877	881	rVV5	124392	351705	5.71%	0.345%
42	12.213	883	886	889	rVV2	422081	787032	12.77%	0.773%
43	12.362	896	899	900	rBV	103596	137639	2.23%	0.135%
44	12.408	900	903	906	rVV2	114282	217373	3.53%	0.213%
45	12.465	906	908	909	rVV	237230	314242	5.10%	0.308%
46	12.499	909	911	914	rVV3	194902	382750	6.21%	0.376%
47	12.545	914	915	919	rVV2	215563	228946	3.72%	0.225%
48	12.625	919	922	925	rVV	4259364	4138147	67.15%	4.062%
49	12.682	925	927	930	rVV2	128985	229150	3.72%	0.225%
50	12.774	930	935	938	rVV3	155281	328314	5.33%	0.322%
51	12.854	938	942	944	rVV2	3617623	4593117	74.53%	4.509%
52	12.899	944	946	950	rVB	299067	326008	5.29%	0.320%
53	12.968	950	952	953	rBV	343633	333648	5.41%	0.328%
54	13.002	953	955	957	rVV	4415704	4548085	73.80%	4.465%
55	13.071	957	961	965	rVB3	298846	609656	9.89%	0.598%
56	13.174	965	970	972	rVB2	614296	1096912	17.80%	1.077%
57	13.242	974	976	978	rVV	636718	669745	10.87%	0.657%
58	13.276	978	979	983	rVV2	411626	597741	9.70%	0.587%
59	13.368	986	987	989	rVV	119244	150896	2.45%	0.148%
60	13.402	989	990	992	rVV	215061	220829	3.58%	0.217%
61	13.482	995	997	999	rBV3	112587	129486	2.10%	0.127%
62	13.574	999	1005	1009	rVB7	164446	432154	7.01%	0.424%
63	13.676	1011	1014	1017	rBV2	240653	359607	5.84%	0.353%
64	13.791	1021	1024	1026	rBV2	256745	438217	7.11%	0.430%
65	13.825	1026	1027	1028	rVV	339105	307159	4.98%	0.302%
66	13.848	1028	1029	1031	rVV2	221713	296606	4.81%	0.291%
67	13.905	1031	1034	1036	rVB2	395448	676494	10.98%	0.664%
68	13.962	1036	1039	1042	rVB	72033	135421	2.20%	0.133%
69	14.042	1043	1046	1048	rVV2	2338685	3918747	63.59%	3.847%
70	14.076	1048	1049	1052	rVB	1197849	961464	15.60%	0.944%
71	14.145	1053	1055	1057	rBV2	199266	296158	4.81%	0.291%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

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-BF041516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.179	1057	1058	1061	rVV2	114933	179591	2.91%	0.176%
73	14.225	1061	1062	1064	rVV2	178115	215548	3.50%	0.212%
74	14.271	1064	1066	1068	rVV2	141057	191455	3.11%	0.188%
75	14.362	1072	1074	1076	rBV2	89426	126321	2.05%	0.124%
76	14.431	1078	1080	1082	rVV	298453	313260	5.08%	0.308%
77	14.465	1082	1083	1085	rVB	171941	127223	2.06%	0.125%
78	14.522	1085	1088	1090	rBV2	250301	360037	5.84%	0.353%
79	14.557	1090	1091	1095	rVV4	128971	232957	3.78%	0.229%
80	14.625	1095	1097	1100	rVB3	97978	186389	3.02%	0.183%
81	14.728	1104	1106	1107	rBV	98240	124604	2.02%	0.122%
82	14.808	1112	1113	1119	rVB6	61886	156615	2.54%	0.154%
83	14.899	1119	1121	1126	rVB3	161294	346162	5.62%	0.340%
84	15.071	1133	1136	1141	rBV	1054025	2319346	37.64%	2.277%
85	15.174	1143	1145	1147	rVB	246023	292708	4.75%	0.287%
86	15.277	1150	1154	1155	rBV2	90635	158314	2.57%	0.155%
87	15.357	1159	1161	1164	rVB	573621	784386	12.73%	0.770%
88	15.425	1164	1167	1170	rBV	757413	1194291	19.38%	1.172%
89	15.482	1170	1172	1178	rVB2	1105202	1718044	27.88%	1.687%
90	15.642	1183	1186	1188	rBV3	74890	162712	2.64%	0.160%
91	15.791	1194	1199	1201	rBV3	43354	111779	1.81%	0.110%
92	16.020	1216	1219	1224	rVB2	85721	175593	2.85%	0.172%
93	16.351	1245	1248	1252	rBV4	50714	115343	1.87%	0.113%
94	16.728	1276	1281	1284	rBV3	91778	272944	4.43%	0.268%
95	16.888	1292	1295	1300	rVB2	403636	820662	13.32%	0.806%
96	17.060	1307	1310	1312	rBV	94693	167352	2.72%	0.164%
97	17.311	1328	1332	1341	rVB	326958	778823	12.64%	0.765%
98	17.483	1341	1347	1349	rBV5	46658	178136	2.89%	0.175%
99	17.528	1349	1351	1354	rVB	77290	141259	2.29%	0.139%
100	19.471	1514	1521	1527	rBV2	75435	319469	5.18%	0.314%

Sum of corrected areas: 101864367

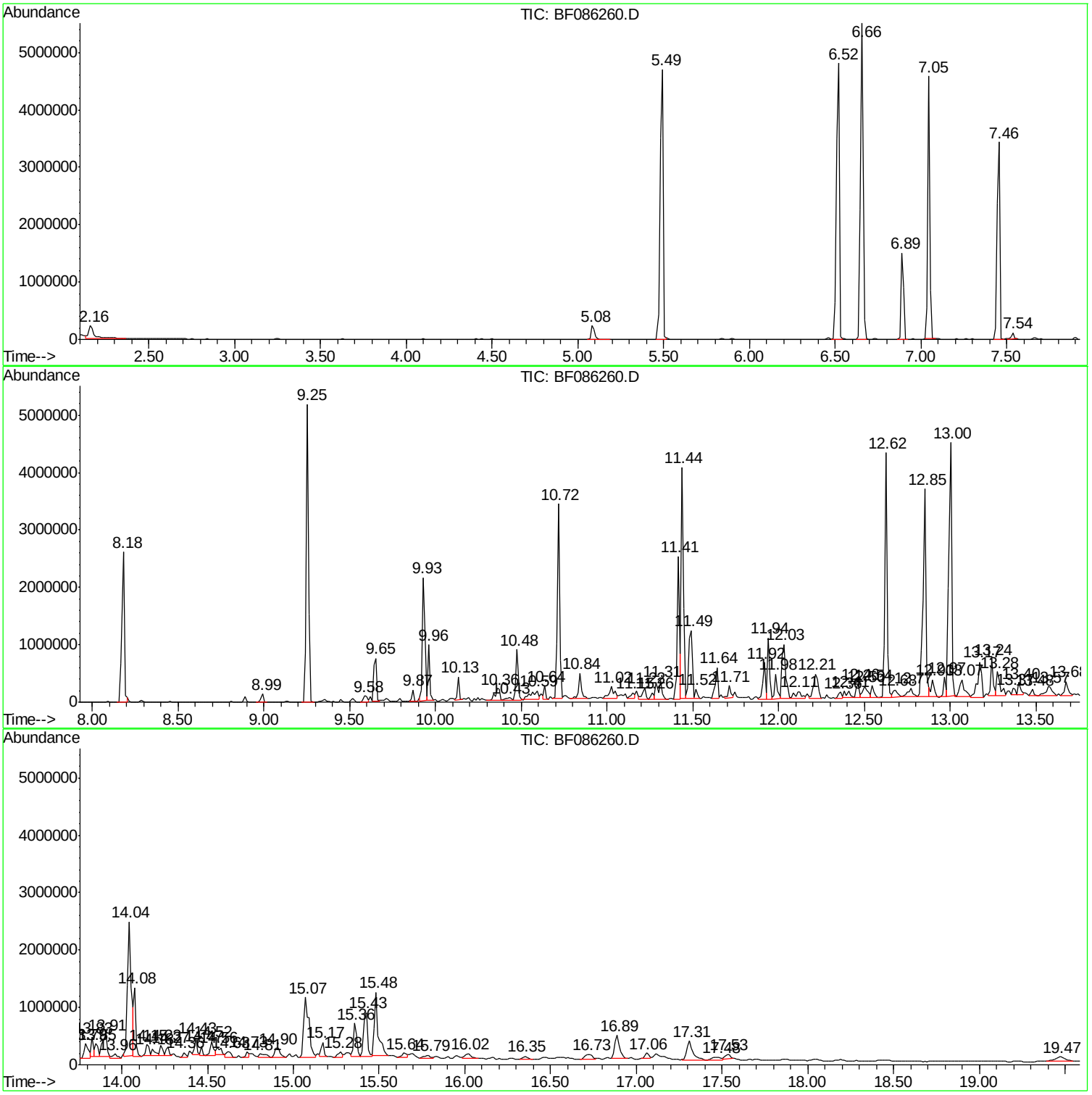
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

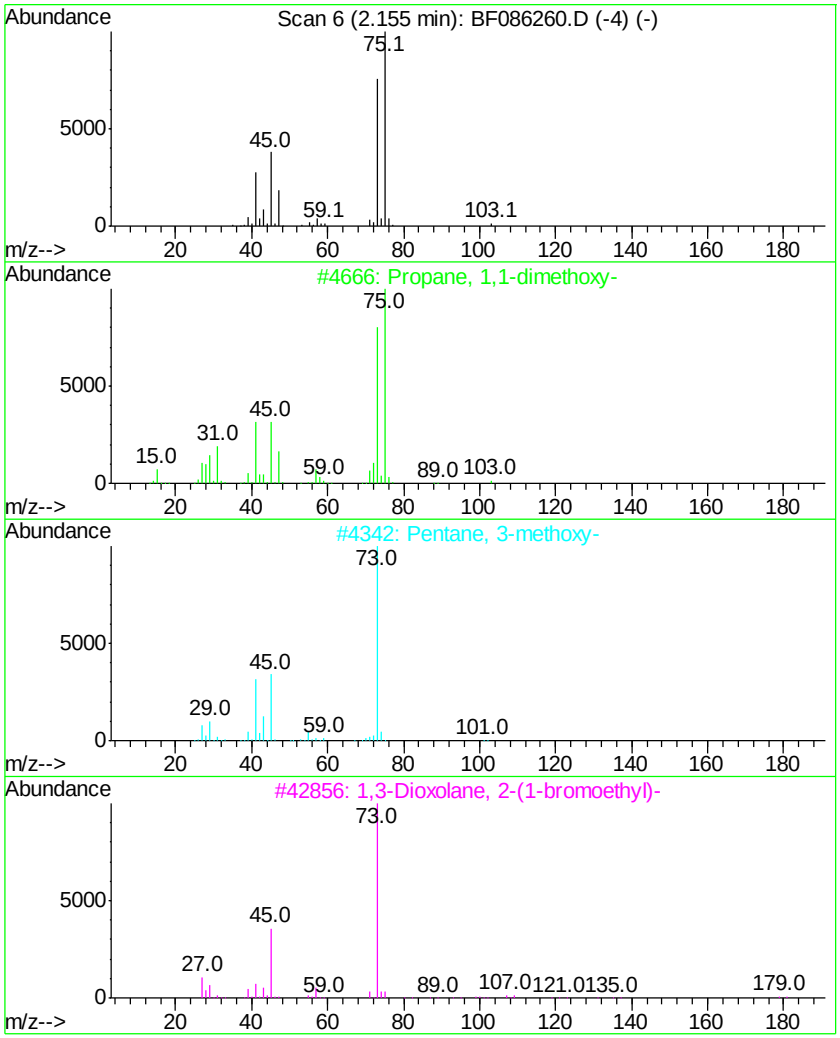
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

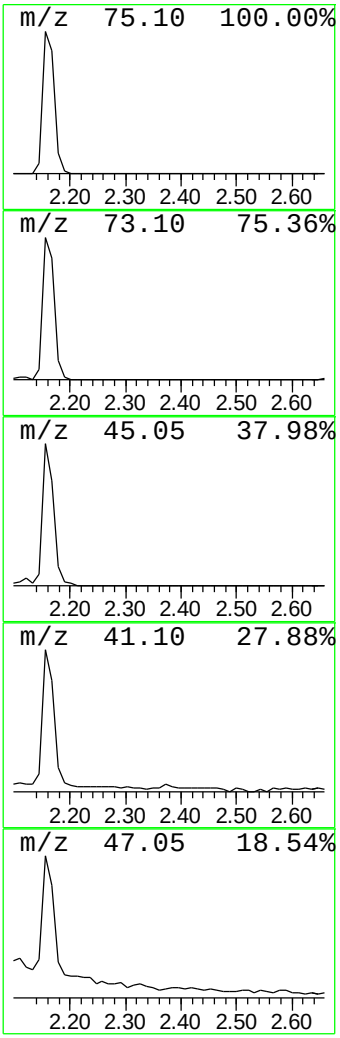
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	5.50 ng	459214	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	10
4	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	10
5	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

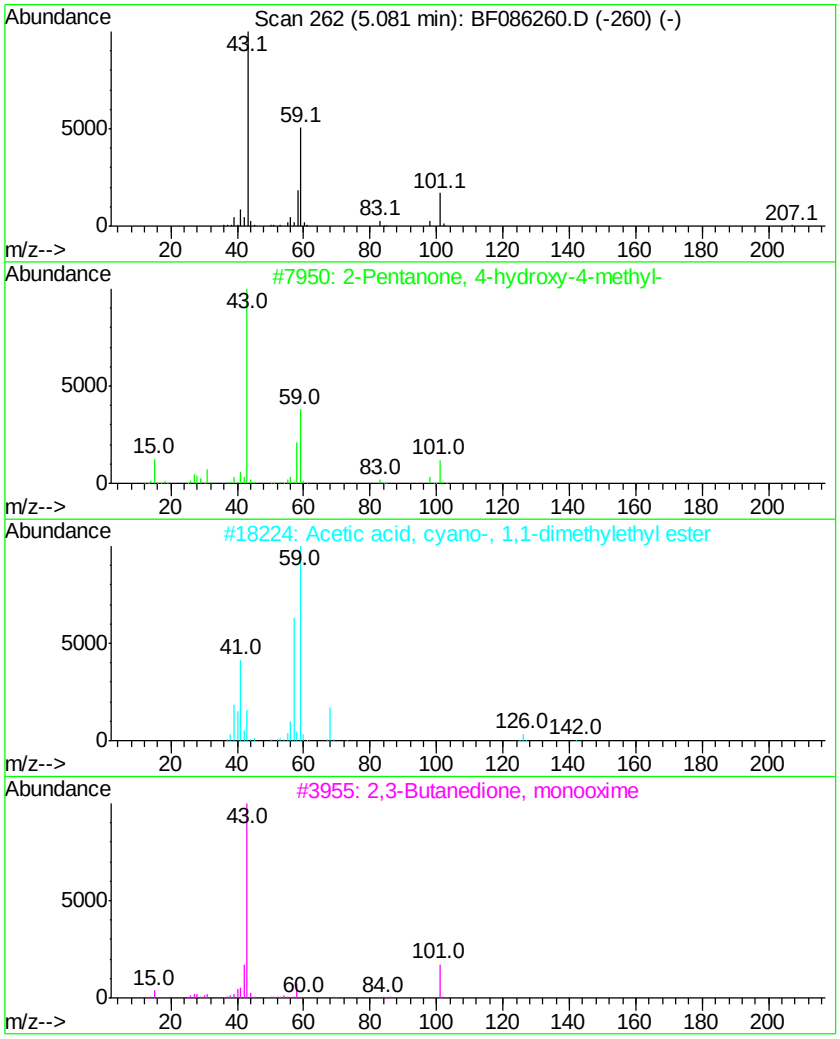
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

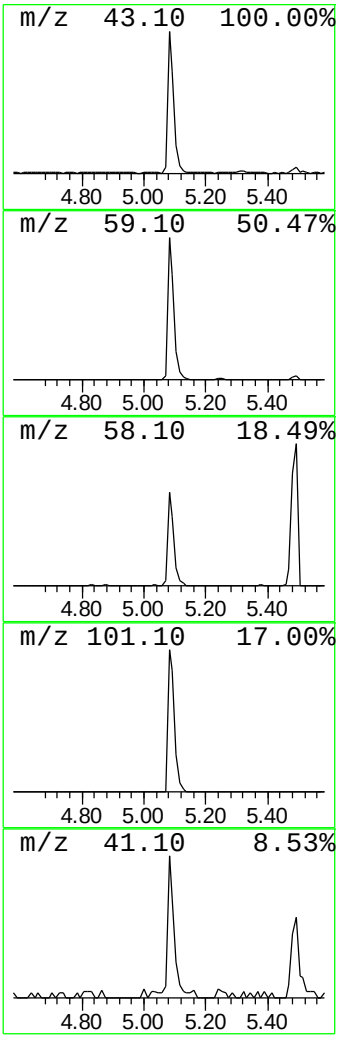
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	3.98 ng	332427	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

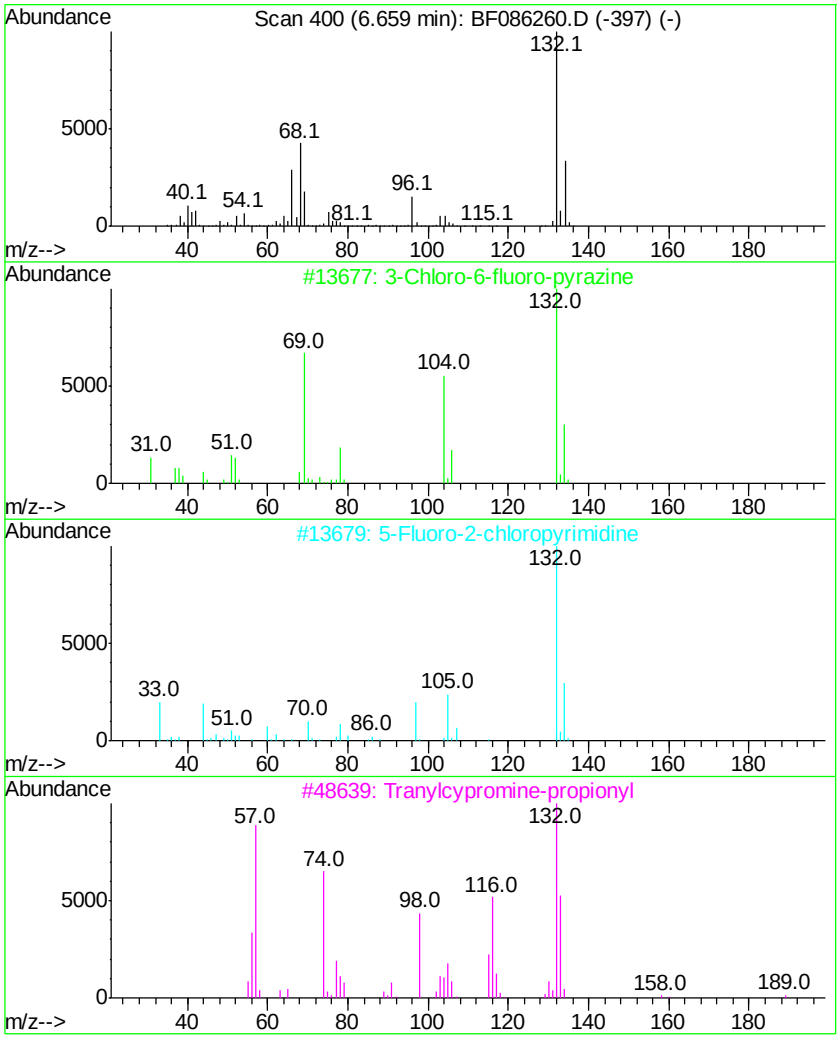
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

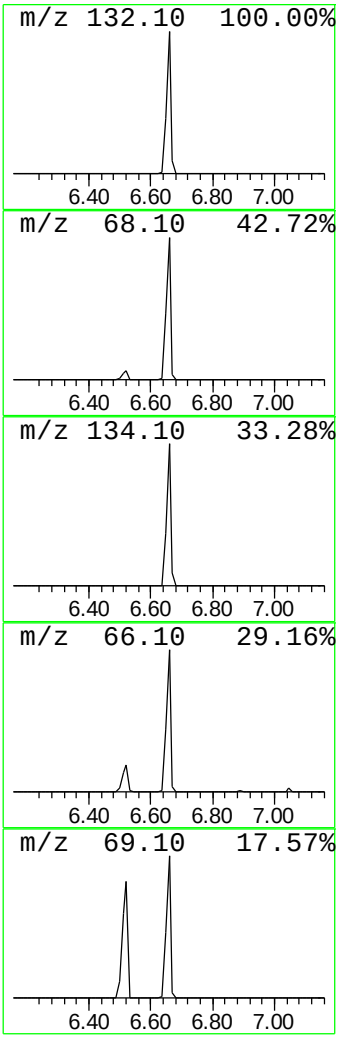
****

Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	66.94 ng	5588330	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

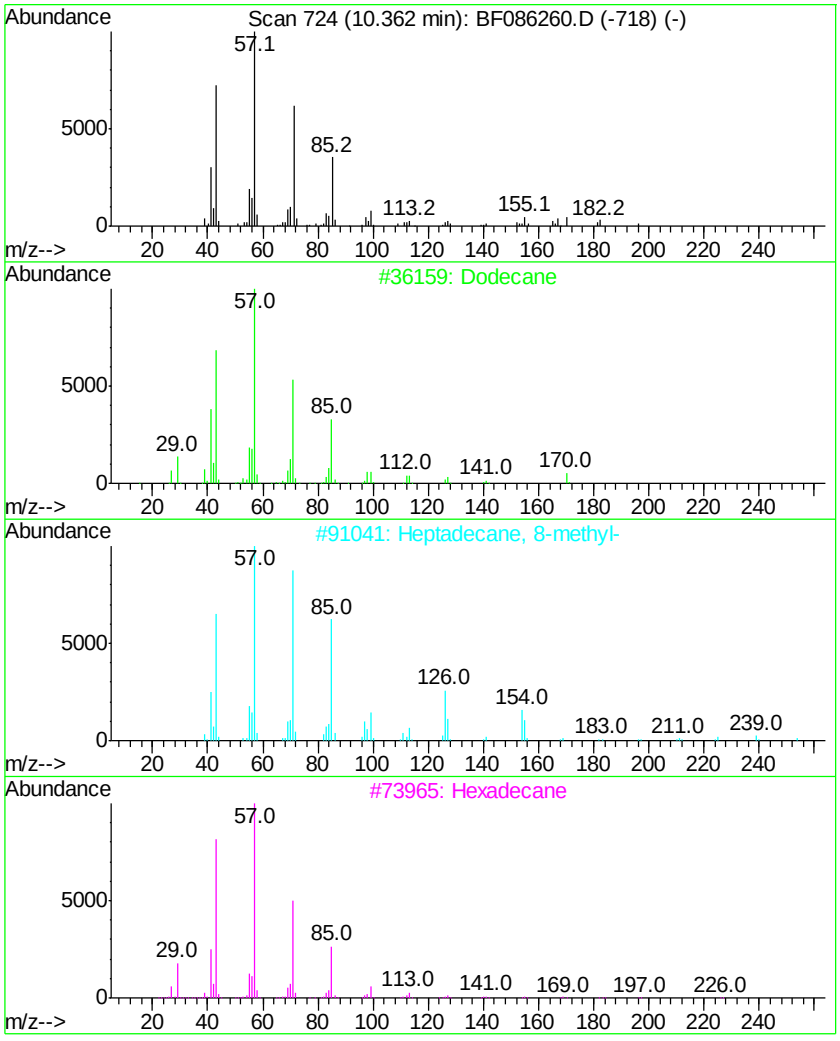
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

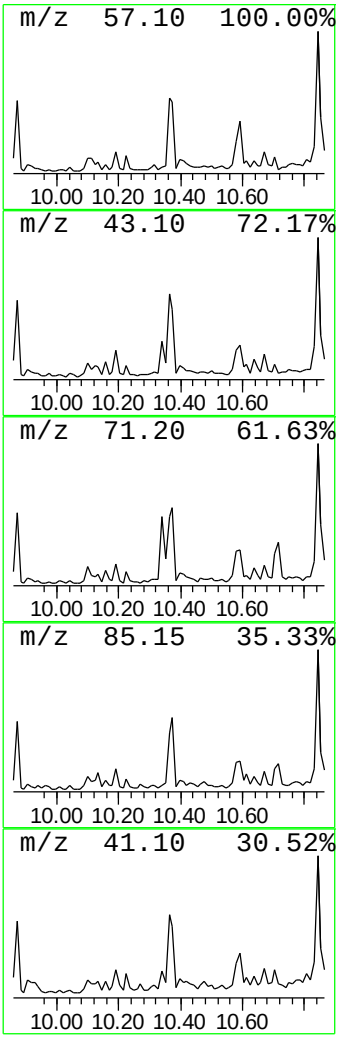
****

Peak Number 5 Dodecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	3.52 ng	430260	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	81
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Decane, 3-methyl-	156	C11H24	013151-34-3	72
5	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

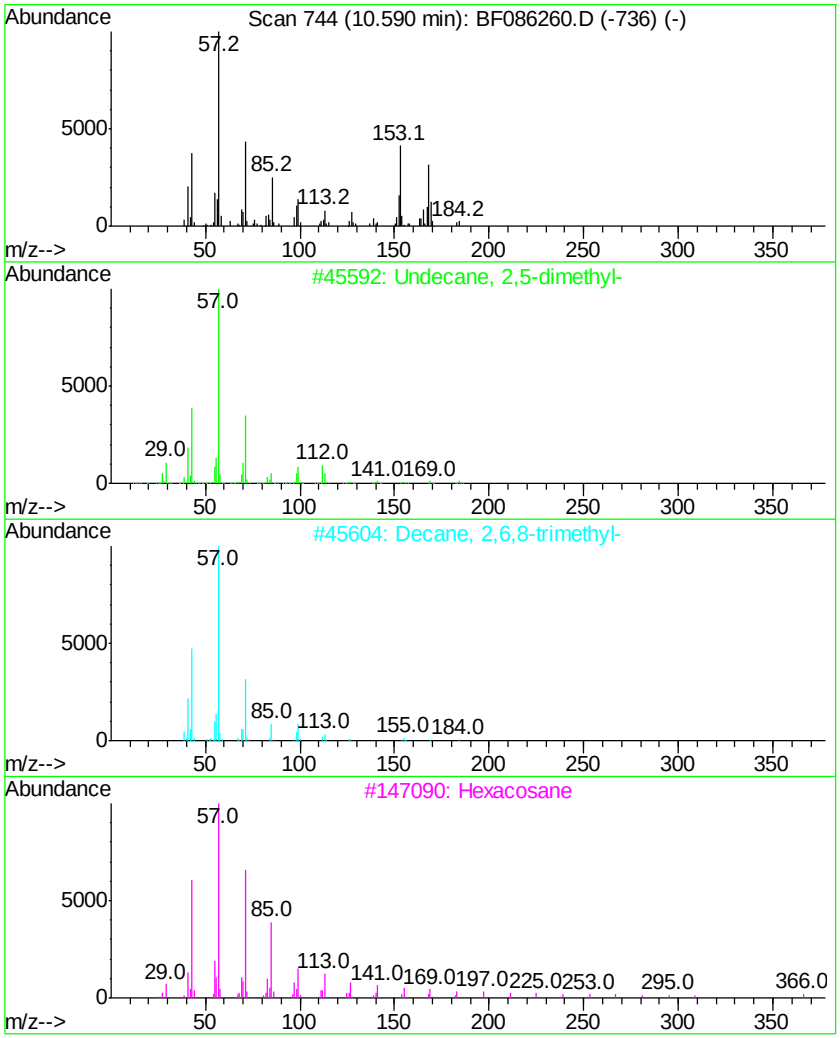
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

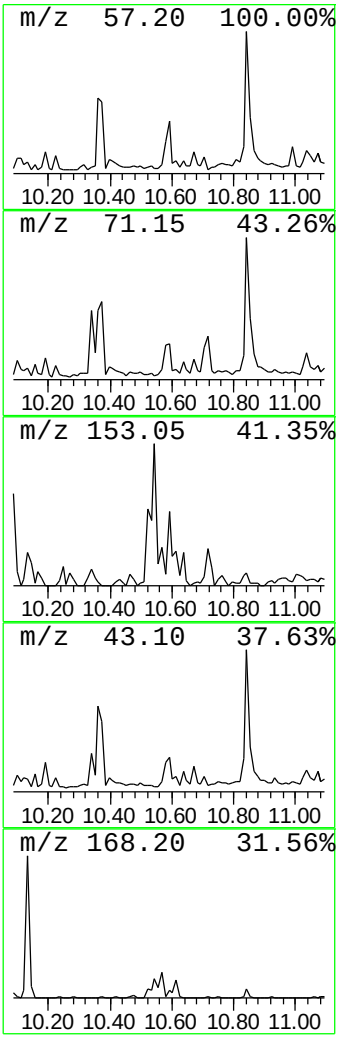
****

Peak Number 6 Undecane, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.62 ng	442486	Acenaphthene-d10	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	46
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	46
3	Hexacosane	366	C26H54	000630-01-3	38
4	Heptacosane	380	C27H56	000593-49-7	38
5	Pentacosane	352	C25H52	000629-99-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

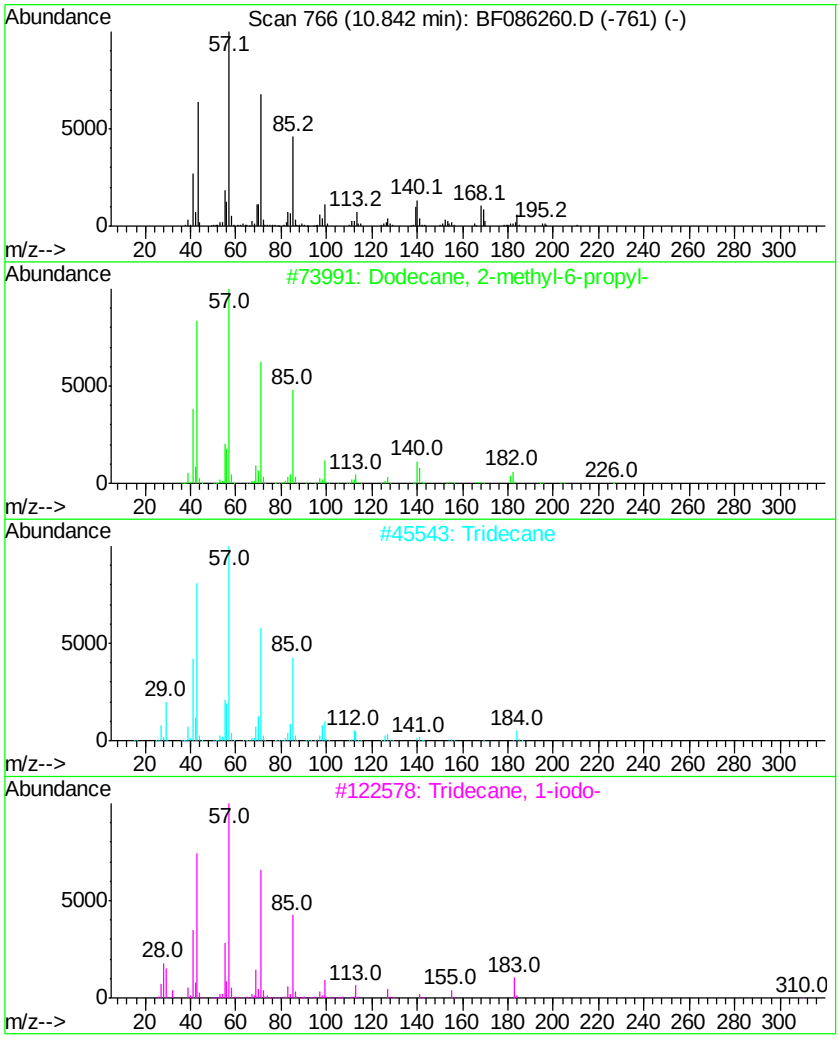
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

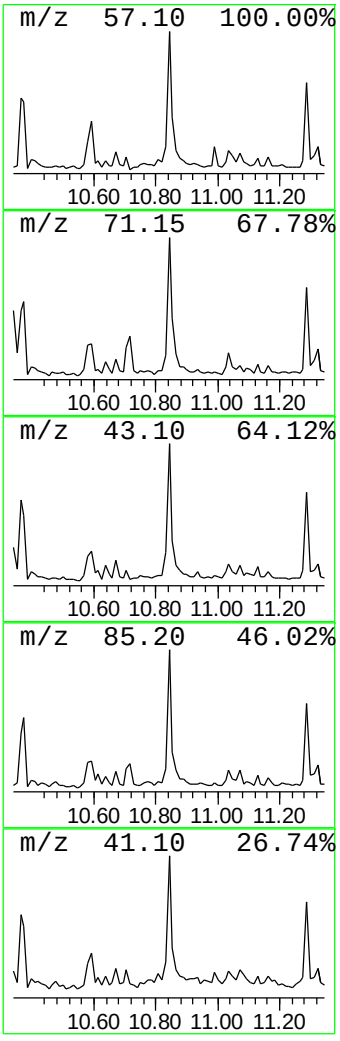
****

Peak Number 7 Dodecane, 2-methyl-6-propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	4.55 ng	569591	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
2	Tridecane	184	C13H28	000629-50-5	64
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Tetracosane	338	C24H50	000646-31-1	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

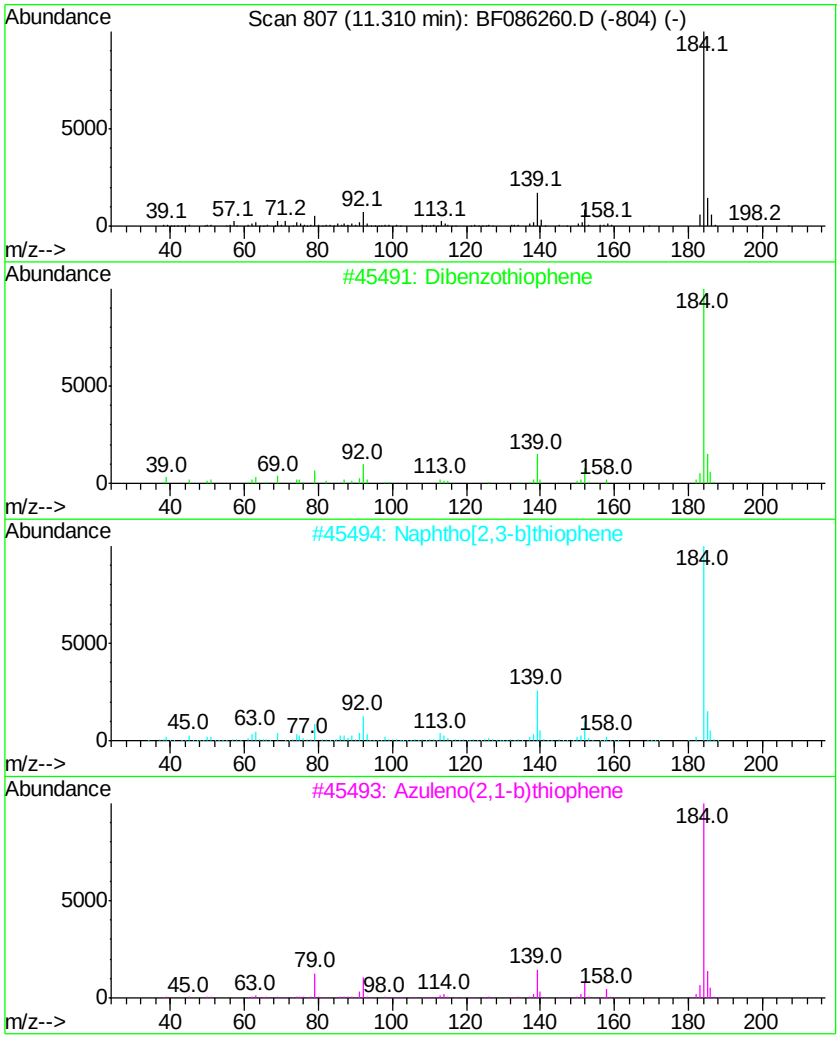
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

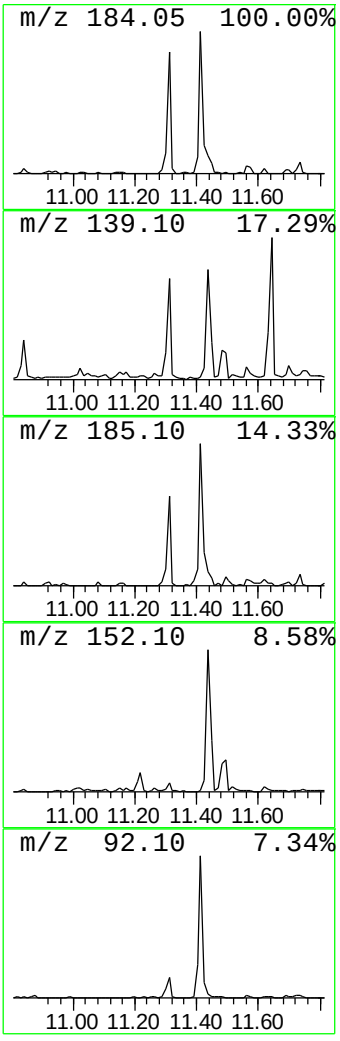
****

Peak Number 8 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	4.42 ng	554208	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

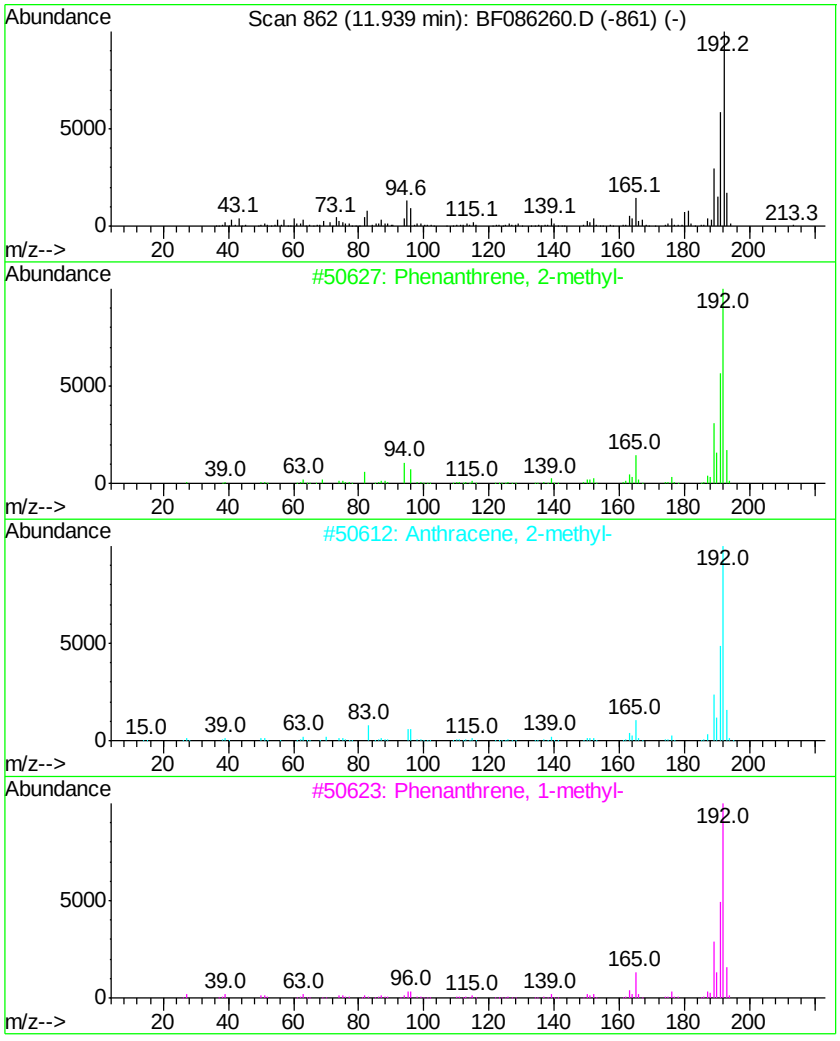
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

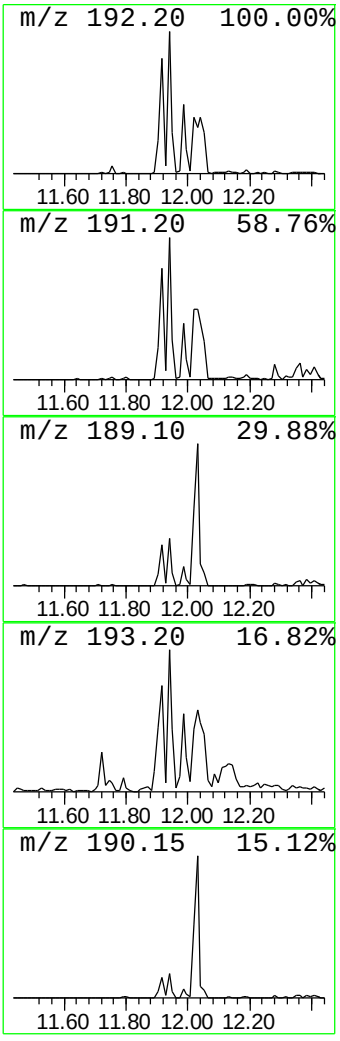
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.88 ng	986761	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

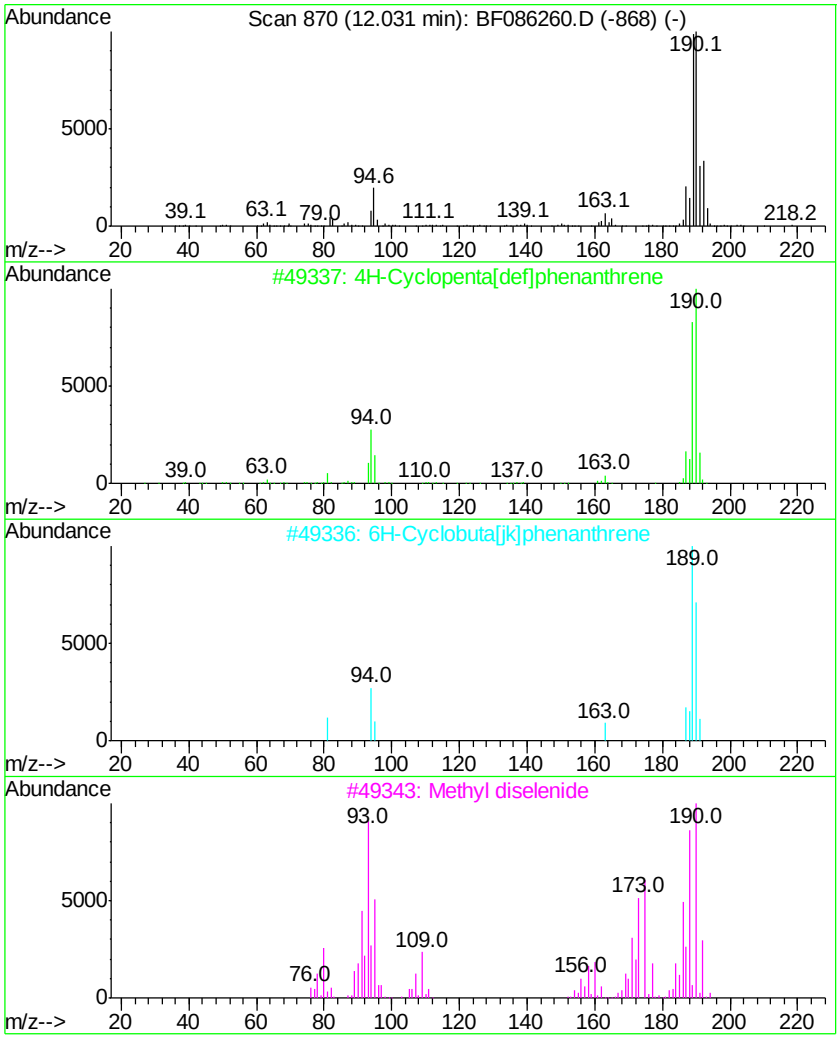
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

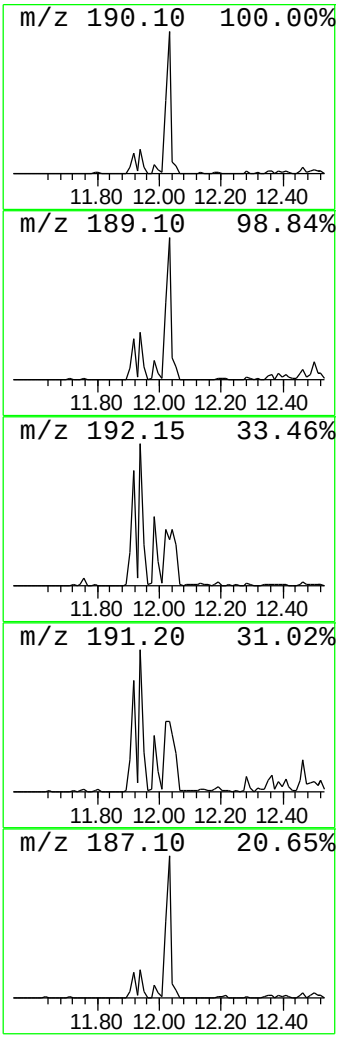
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	12.57 ng	1574690	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Isoquinoline, 1-chloro-3-ethyl-	191	C11H10ClN	055150-52-2	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

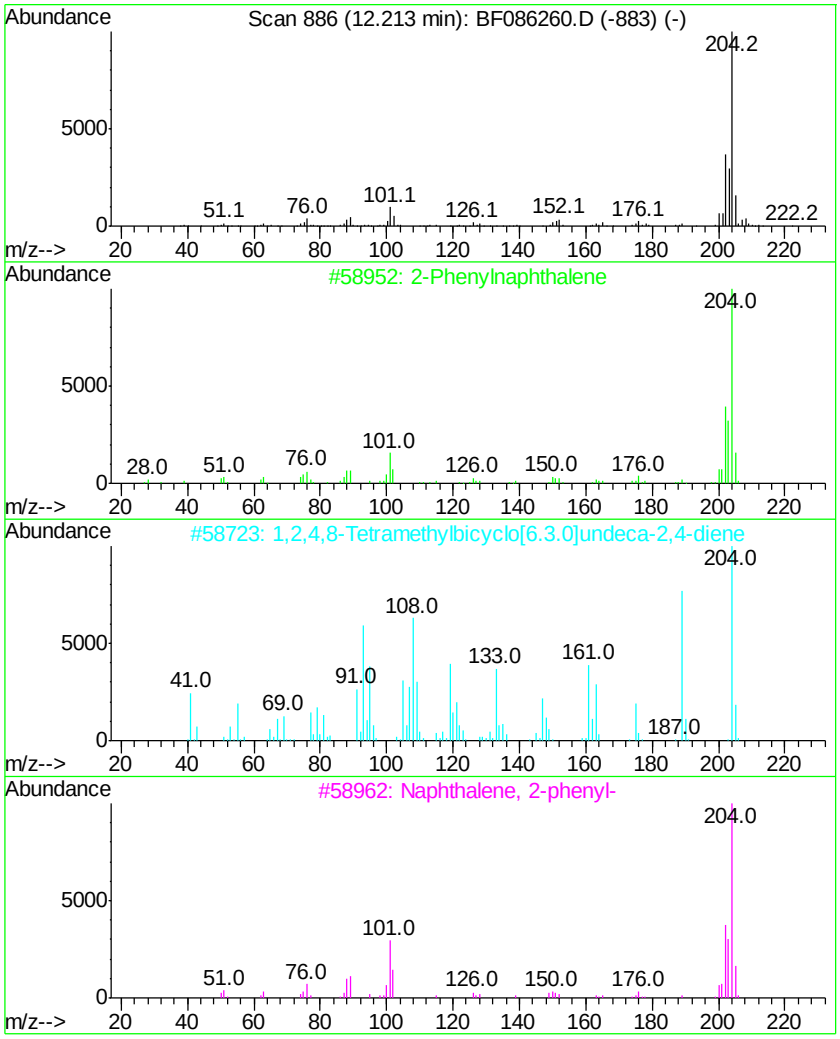
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

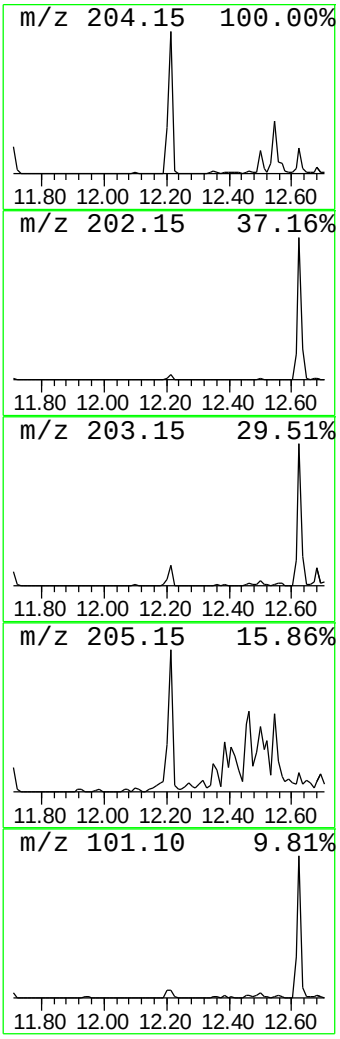
****

Peak Number 13 2-Phenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	6.28 ng	787032	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

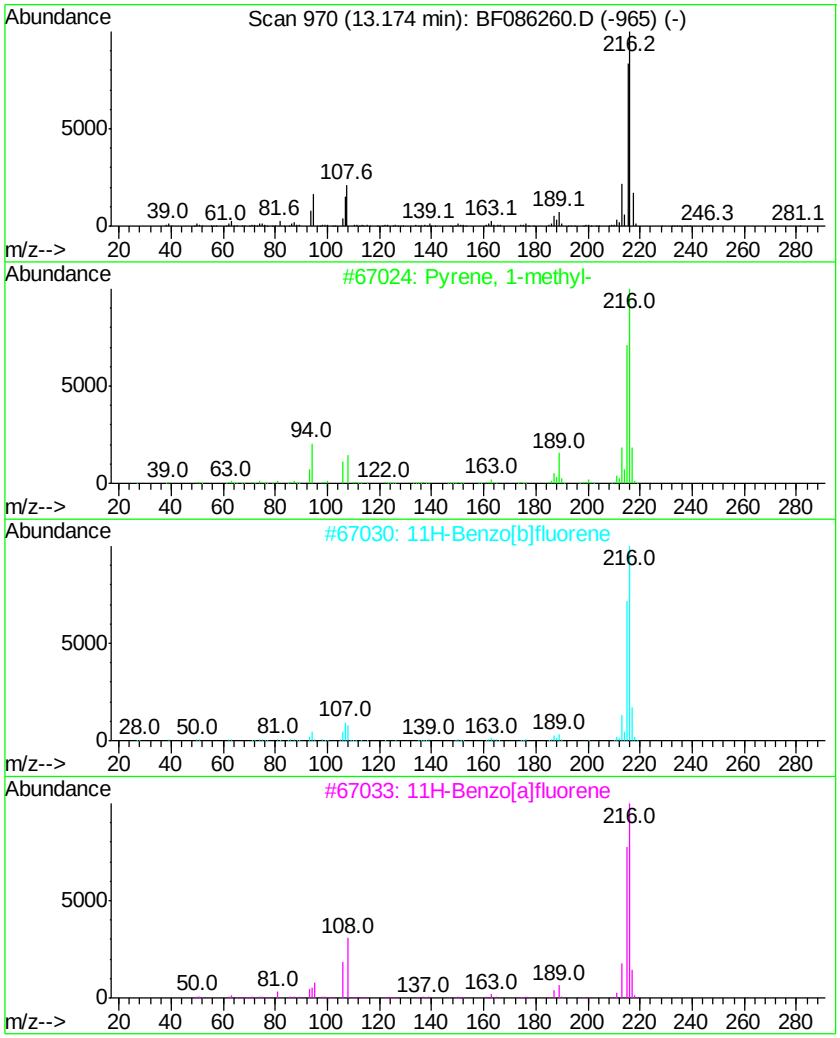
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

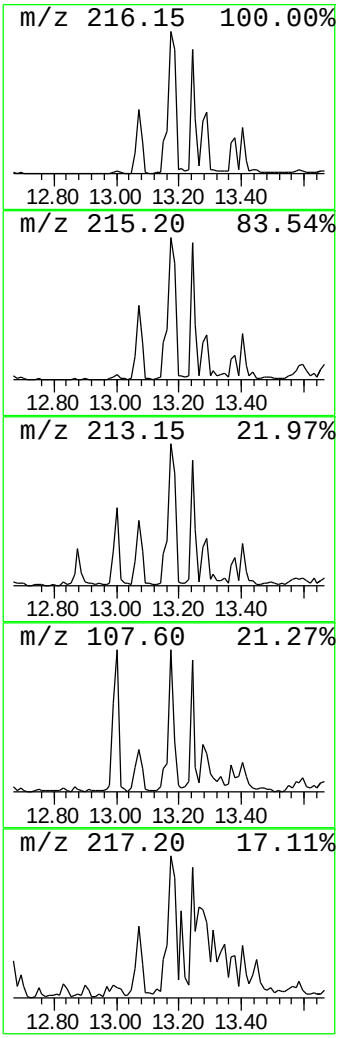
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	5.60 ng	1096910	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

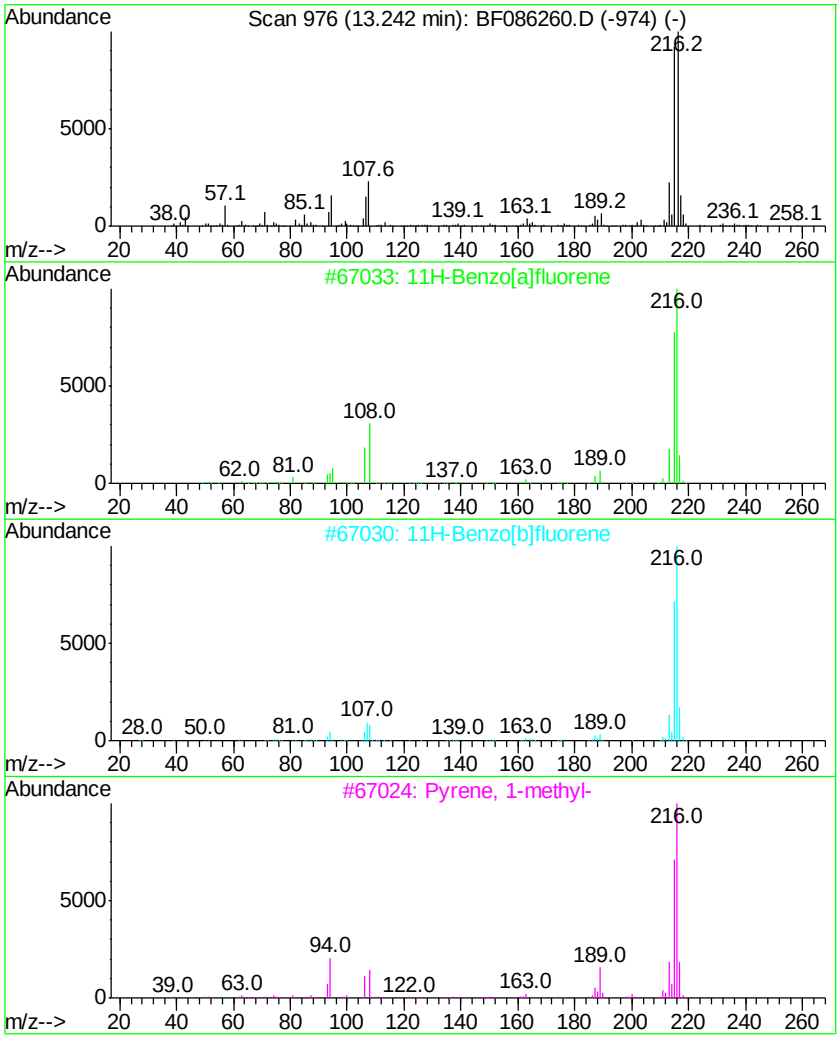
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

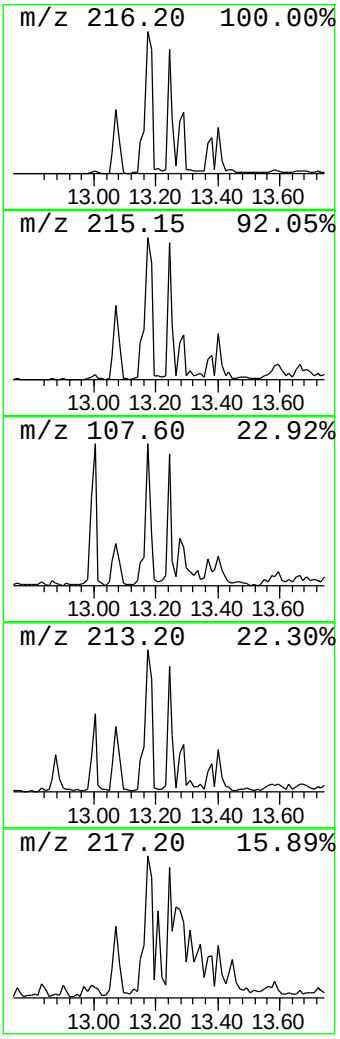
****

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	3.42 ng	669745	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

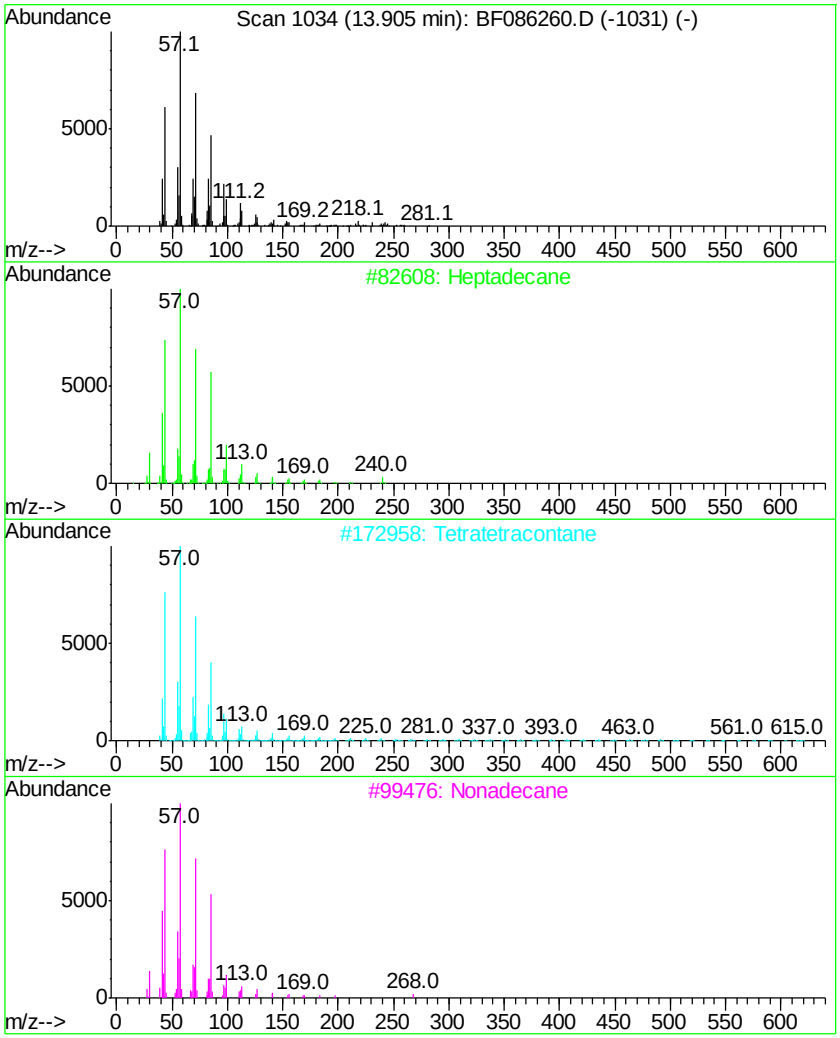
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

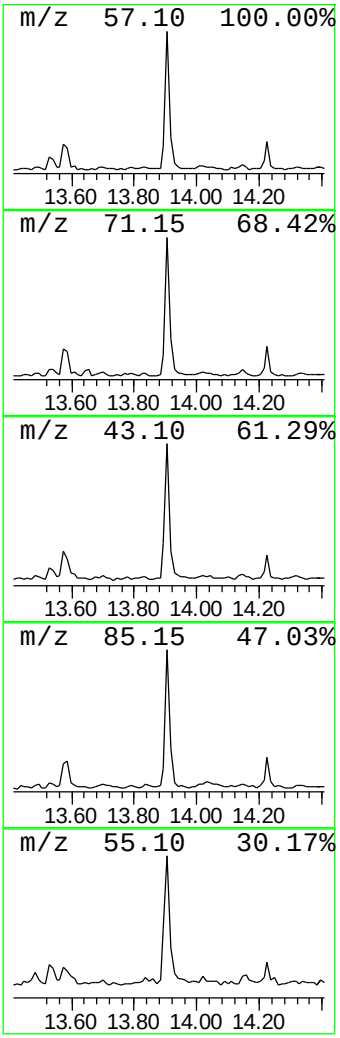
****

Peak Number 16 Heptadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	3.45 ng	676494	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Tetratetracontane	619	C44H90	007098-22-8	72
3	Nonadecane	268	C19H40	000629-92-5	68
4	Eicosane	282	C20H42	000112-95-8	62
5	Hexadecane	226	C16H34	000544-76-3	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

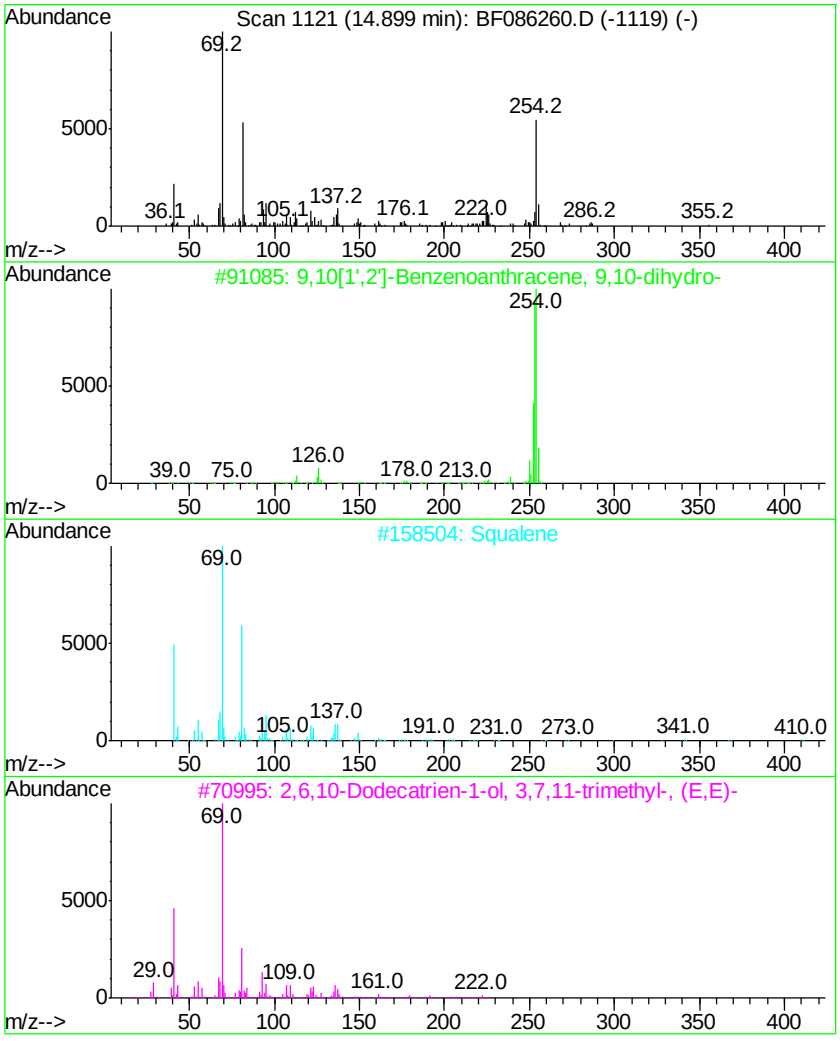
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

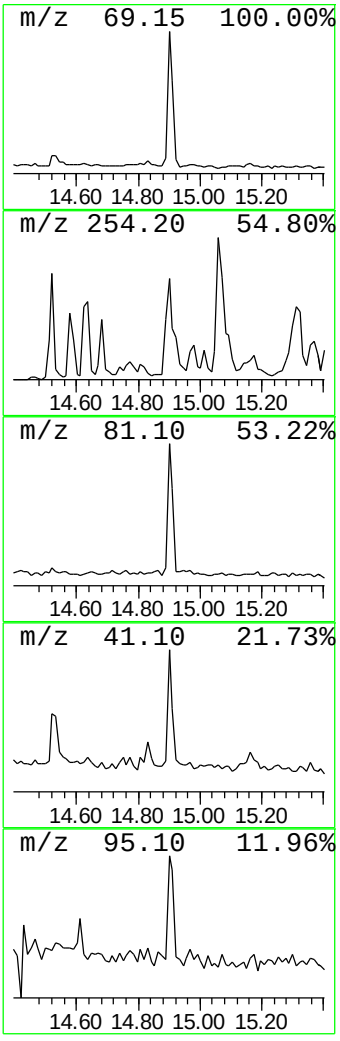
****

Peak Number 17 unknown14.90 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	4.03 ng	346162	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	47
2	Squalene	410	C30H50	007683-64-9	46
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	45
4	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	43
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

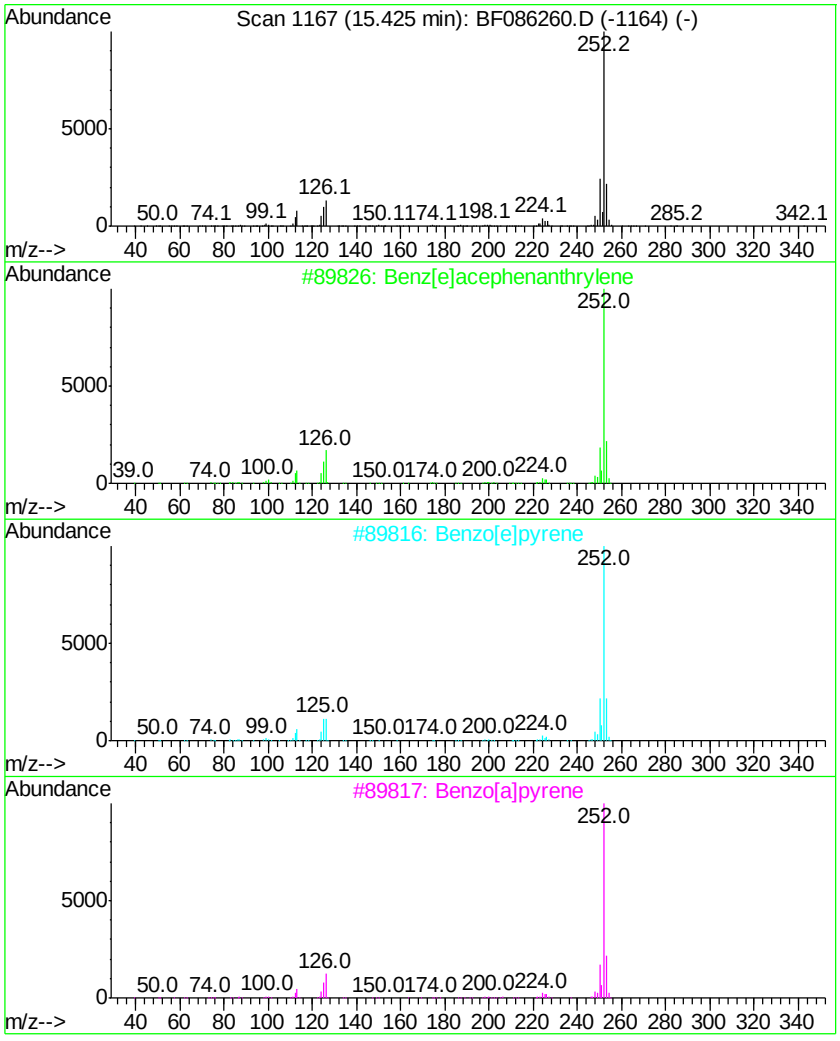
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

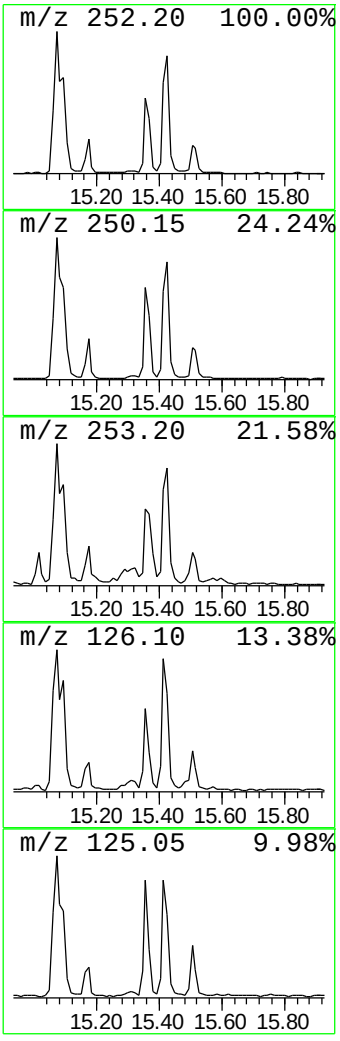
****

Peak Number 19 Benz[e]acephenanthrylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	13.90 ng	1194290	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

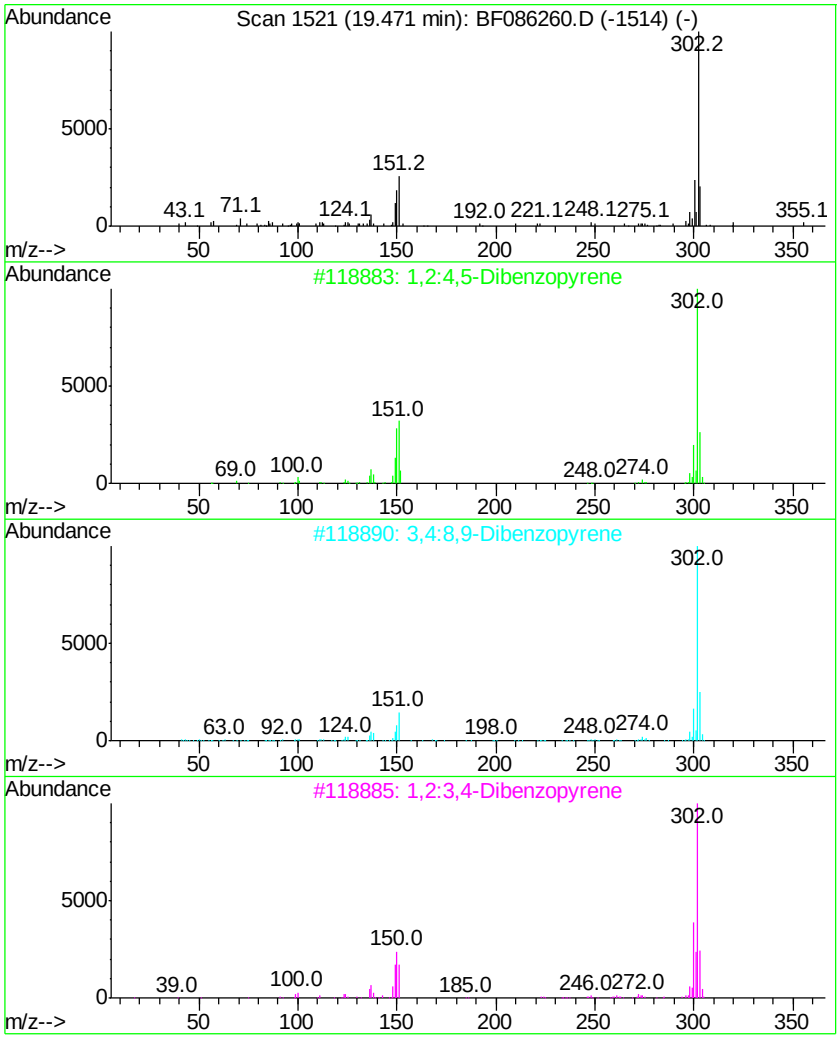
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

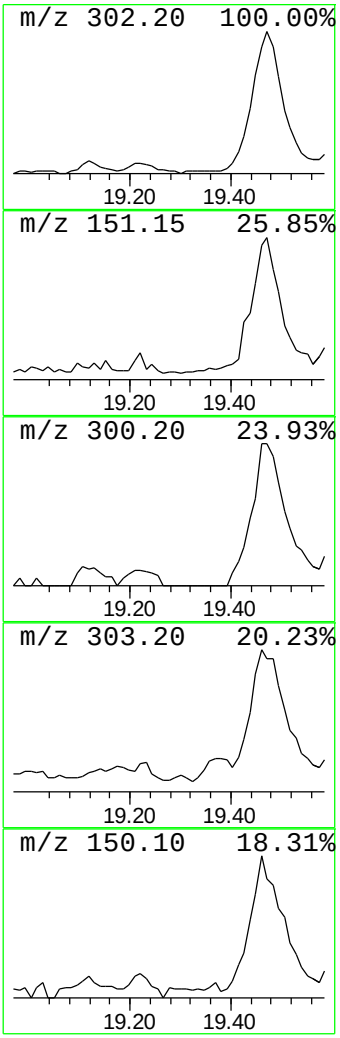
****

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	3.72 ng	319469	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
3	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	89
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	86
5	10,11-Dihydro-10-hydroxy-2,3,6-t...	302	C17H18O5	019172-35-1	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
Data File : BF086260.D
Acq On : 16 Apr 2016 12:34
Operator : UM/SJ
Sample : H2471-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CDMSH4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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
Propane, 1,1-dime...	2.16	5.5	ng	459214	1	6.89	1669770	20.0
2-Pentanone, 4-hy...	5.08	4.0	ng	332427	1	6.89	1669770	20.0
unknown6.66	6.66	66.9	ng	5588330	1	6.89	1669770	20.0
Dodecane	10.36	3.5	ng	430260	3	9.93	2444140	20.0
Undecane, 2,5-dim...	10.59	3.6	ng	442486	3	9.93	2444140	20.0
Dodecane, 2-methy...	10.84	4.5	ng	569591	4	11.41	2505970	20.0
Dibenzothiophene	11.31	4.4	ng	554208	4	11.41	2505970	20.0
Phenanthrene, 2-m...	11.94	7.9	ng	986761	4	11.41	2505970	20.0
4H-Cyclopenta[def...	12.03	12.6	ng	1574690	4	11.41	2505970	20.0
2-Phenylnaphthalene	12.21	6.3	ng	787032	4	11.41	2505970	20.0
Pyrene, 1-methyl-	13.17	5.6	ng	1096910	5	14.05	3918750	20.0
11H-Benzo[a]fluorene	13.24	3.4	ng	669745	5	14.05	3918750	20.0
Heptadecane	13.91	3.5	ng	676494	5	14.05	3918750	20.0
unknown14.90	14.90	4.0	ng	346162	6	15.48	1718040	20.0
Benz[e]acephenant...	15.43	13.9	ng	1194290	6	15.48	1718040	20.0
1,2:4,5-Dibenzopy...	19.47	3.7	ng	319469	6	15.48	1718040	20.0