LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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	4.876	241	244	254	rVB	642056	941363	19.96%	1.392%
2	5.321	280	283	285	rBV	3600058	4477637	94.96%	6.622%
3	5.527	299	301	306	rBV2	49264	66352	1.41%	0.098%
4	6.373	372	375	377	rBV	3325569	4013826	85.12%	5.936%
5	6.487	383	385	388	rBV	3675219	4138392	87.77%	6.120%
6	6.556	388	391	394	rVB3	68394	107436	2.28%	0.159%
7	6.716	403	405	409	rBV	871561	982832	20.84%	1.454%
8	6.876	416	419	422	rBV	3315895	3035948	64.39%	4.490%
9	6.979	427	428	432	rVB	54437	88507	1.88%	0.131%
10	7.287	452	455	458	rBV	1860558	2061543	43.72%	3.049%
11	7.333	458	459	462	rVB2	52346	71500	1.52%	0.106%
12	7.767	493	497	498	rBV	44465	62867	1.33%	0.093%
13	8.007	516	518	523	rBV2	1338302	1433102	30.39%	2.119%
14	8.613	569	571	572	rBV	62955	63694	1.35%	0.094%
15	8.659	572	575	578	rVV2	39832	75766	1.61%	0.112%
16	8.727	578	581	583	rVV	66296	87387	1.85%	0.129%
17	8.819	584	589	593	rVB	70250	85443	1.81%	0.126%
18	9.093	610	613	615	rBV	4378143	4715293	100.00%	6.973%
19	9.173	618	620	623	rVV2	71626	99737	2.12%	0.148%
20	9.287	628	630	633	rVB	35799	52181	1.11%	0.077%
21	9.345	633	635	637	rBV	37995	63107	1.34%	0.093%
22	9.425	640	642	643	rBV	54358	53075	1.13%	0.078%
23	9.482	645	647	650	rBV2	713887	877633	18.61%	1.298%
24	9.619	657	659	662	rBV	911228	877567	18.61%	1.298%
25	9.710	665	667	669	rBV	76987	105045	2.23%	0.155%
26	9.756	669	671	673	rBV	1147757	1443710	30.62%	2.135%
27	9.790	673	674	677	rVB	52206	60420	1.28%	0.089%
28	9.928	683	686	688	rBV3	61570	116976	2.48%	0.173%
29	10.076	697	699	702	rBV2	99183	174766	3.71%	0.258%
30	10.168	705	707	708	rBV2	46655	68785	1.46%	0.102%
31	10.202	708	710	713	rVV2	227807	341080	7.23%	0.504%
32	10.282	714	717	718	rVB	91182	100840	2.14%	0.149%
33	10.316	718	720	723	rVB	112520	146924	3.12%	0.217%
34	10.419	727	729	732	rBV2	154008	233151	4.94%	0.345%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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	10.488	732	735	738	rBV4	55061	130580	2.77%	0.193%
36	10.556	738	741	743	rBV2	1764470	2394730	50.79%	3.542%
37	10.670	749	751	755	rBV3	235835	467843	9.92%	0.692%
38	10.773	757	760	761	rBV3	37954	66898	1.42%	0.099%
39	10.865	765	768	770	rBV3	43072	115753	2.45%	0.171%
40	10.933	773	774	775	rBV	47740	47759	1.01%	0.071%
41	11.002	778	780	783	rVV3	116575	154638	3.28%	0.229%
42	11.048	783	784	786	rVV2	71844	74483	1.58%	0.110%
43	11.116	789	790	792	rBV2	106584	148576	3.15%	0.220%
44	11.242	799	801	806	rBV2	1324982	1500269	31.82%	2.219%
45	11.322	806	808	810	rVV	339118	391035	8.29%	0.578%
46	11.356	810	811	813	rVB2	57028	50482	1.07%	0.075%
47	11.402	813	815	819	rBV4	27702	59688	1.27%	0.088%
48	11.482	820	822	823	rBV	65731	72123	1.53%	0.107%
49	11.551	826	828	829	rVB2	73664	74970	1.59%	0.111%
50	11.745	843	845	846	rBV	103044	104077	2.21%	0.154%
51	11.768	846	847	850	rVB2	92358	124516	2.64%	0.184%
52	11.825	850	852	853	rBV	124495	169231	3.59%	0.250%
53	11.859	853	855	860	rVB	207593	360315	7.64%	0.533%
54	11.973	860	865	868	rBV6	67511	240554	5.10%	0.356%
55	12.225	885	887	890	rVB4	93630	191481	4.06%	0.283%
56	12.293	890	893	895	rBV	280630	364666	7.73%	0.539%
57	12.328	895	896	899	rVV3	136397	232485	4.93%	0.344%
58	12.373	899	900	903	rVV	202929	287219	6.09%	0.425%
59	12.453	905	907	909	rBV	1145406	1017372	21.58%	1.505%
60	12.499	909	911	914	rBV3	49223	88487	1.88%	0.131%
61	12.545	914	915	917	rVB	204383	200078	4.24%	0.296%
62	12.625	917	922	924	rBV5	96779	265559	5.63%	0.393%
63	12.682	924	927	928	rBV	1677733	1701928	36.09%	2.517%
64	12.705	928	929	931	rVB2	119474	138372	2.93%	0.205%
65	12.831	938	940	943	rVB	3225457	3146140	66.72%	4.653%
66	12.899	944	946	950	rBV3	261198	458475	9.72%	0.678%
67	12.991	952	954	958	rVB2	282142	610113	12.94%	0.902%
68	13.082	959	962	963	rVV3	141976	201866	4.28%	0.299%
69	13.116	963	965	967	rVV	453891	479537	10.17%	0.709%
70	13.208	969	973	974	rVV	493011	604621	12.82%	0.894%
71	13.242	974	976	978	rVV	358768	453266	9.61%	0.670%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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	13.276	978	979	981	rVB2	90216	76082	1.61%	0.113%
73	13.322	981	983	985	rBV3	118291	168715	3.58%	0.250%
74	13.379	985	988	990	rVV3	140291	287131	6.09%	0.425%
75	13.459	994	995	997	rVV	145566	122085	2.59%	0.181%
76	13.516	997	1000	1003	rVV2	218124	408194	8.66%	0.604%
77	13.585	1004	1006	1007	rVV	123290	167721	3.56%	0.248%
78	13.619	1007	1009	1013	rVV4	216071	647106	13.72%	0.957%
79	13.734	1017	1019	1023	rVB2	400995	584124	12.39%	0.864%
80	13.882	1029	1032	1038	rBV2	1438973	3398068	72.06%	5.025%
81	14.202	1058	1060	1061	rBV2	128434	180354	3.82%	0.267%
82	14.271	1061	1066	1067	rBV	560874	873787	18.53%	1.292%
83	14.305	1067	1069	1071	rVB	255751	287283	6.09%	0.425%
84	14.374	1072	1075	1076	rBV3	224777	410057	8.70%	0.606%
85	14.522	1086	1088	1089	rBV	110282	127095	2.70%	0.188%
86	14.888	1117	1120	1126	rBV	1247163	2696631	57.19%	3.988%
87	14.991	1126	1129	1131	rBV	340061	368742	7.82%	0.545%
88	15.162	1142	1144	1147	rVB	726010	1137892	24.13%	1.683%
89	15.231	1147	1150	1152	rBV	1129896	1623264	34.43%	2.401%
90	15.277	1152	1154	1161	rVB3	634992	1409033	29.88%	2.084%
91	15.791	1197	1199	1208	rVB3	199707	466825	9.90%	0.690%
92	15.917	1208	1210	1212	rVB2	86671	127808	2.71%	0.189%
93	16.442	1254	1256	1257	rBV	77071	110338	2.34%	0.163%
94	16.614	1267	1271	1275	rVB	556099	1035411	21.96%	1.531%
95	16.762	1281	1284	1287	rBV	109573	257964	5.47%	0.382%
96	16.820	1287	1289	1291	rVV2	88670	150823	3.20%	0.223%
97	17.014	1302	1306	1313	rVB	472343	1003292	21.28%	1.484%
98	17.220	1322	1324	1330	rVB2	74244	175393	3.72%	0.259%
99	18.054	1394	1397	1408	rVB2	77585	367858	7.80%	0.544%
100	19.026	1477	1482	1489	rVB2	116616	434749	9.22%	0.643%

Sum of corrected areas: 67617895

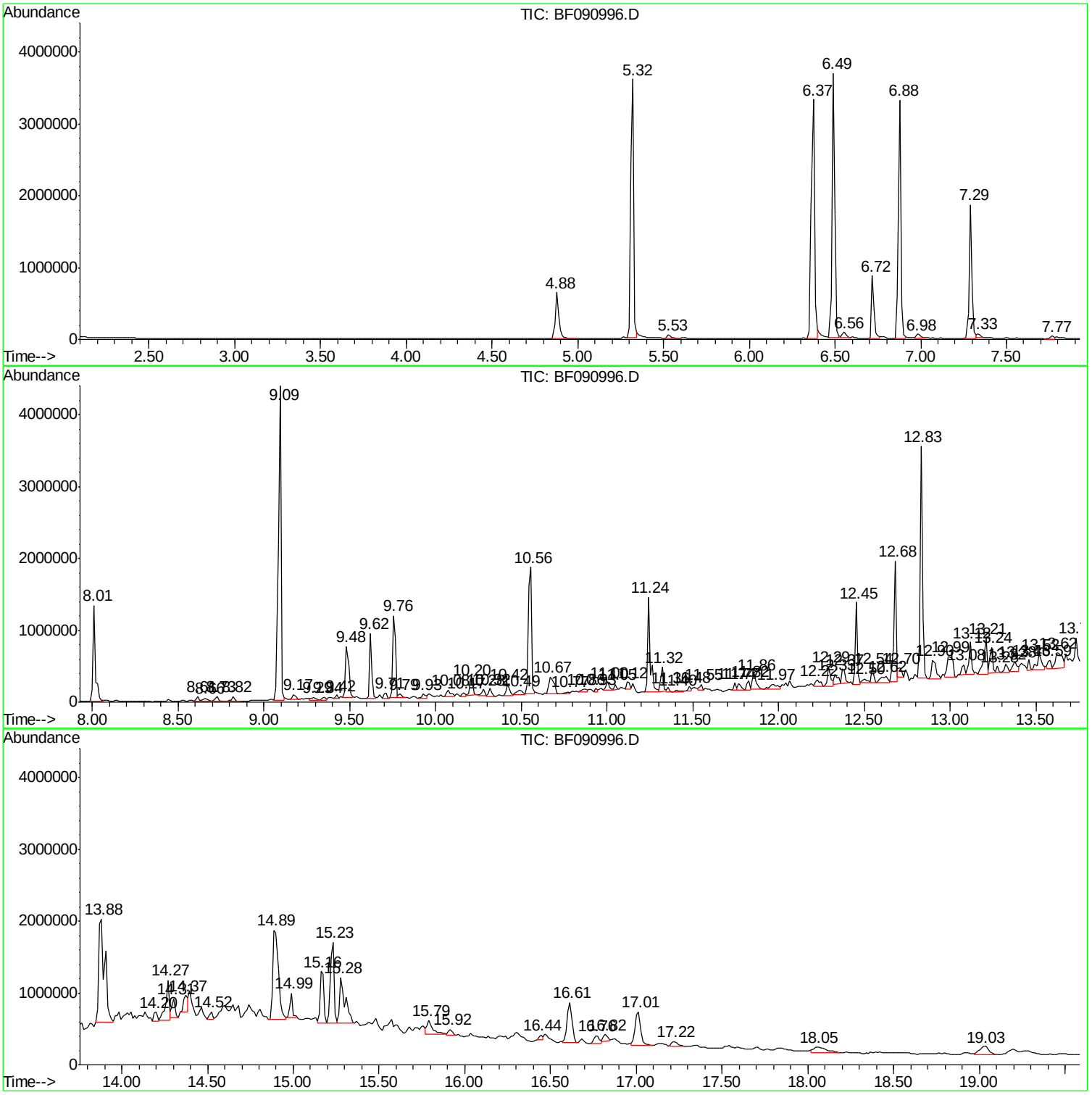
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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 : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

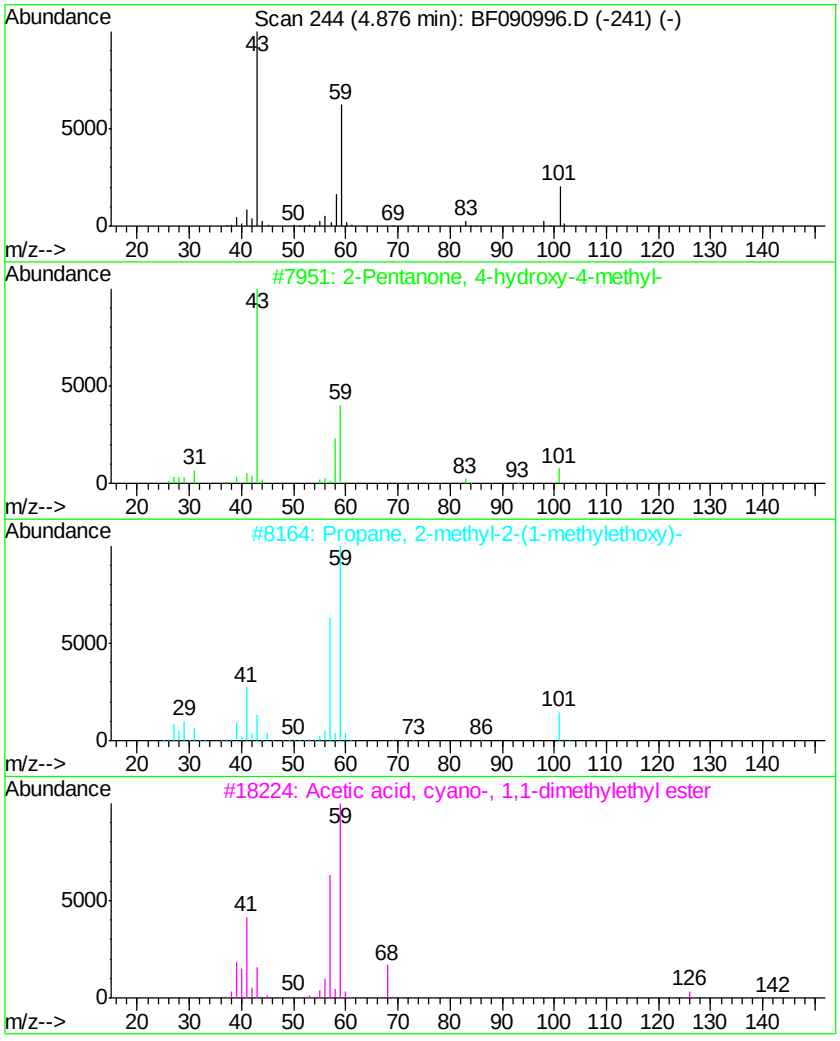
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

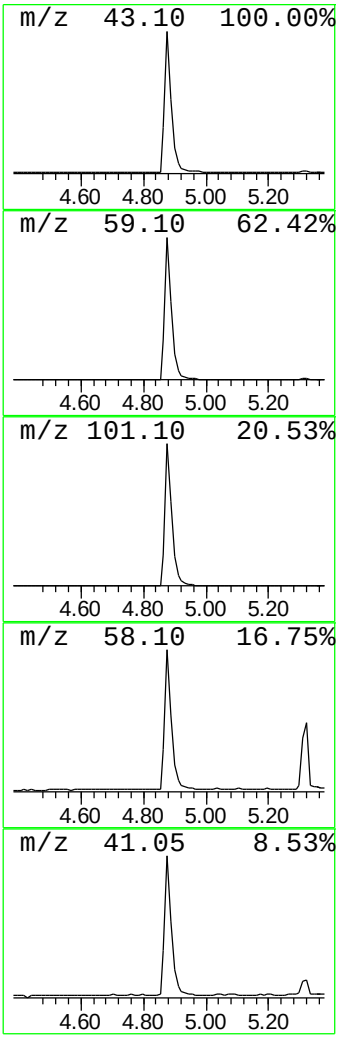
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	19.16 ng	941363	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	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

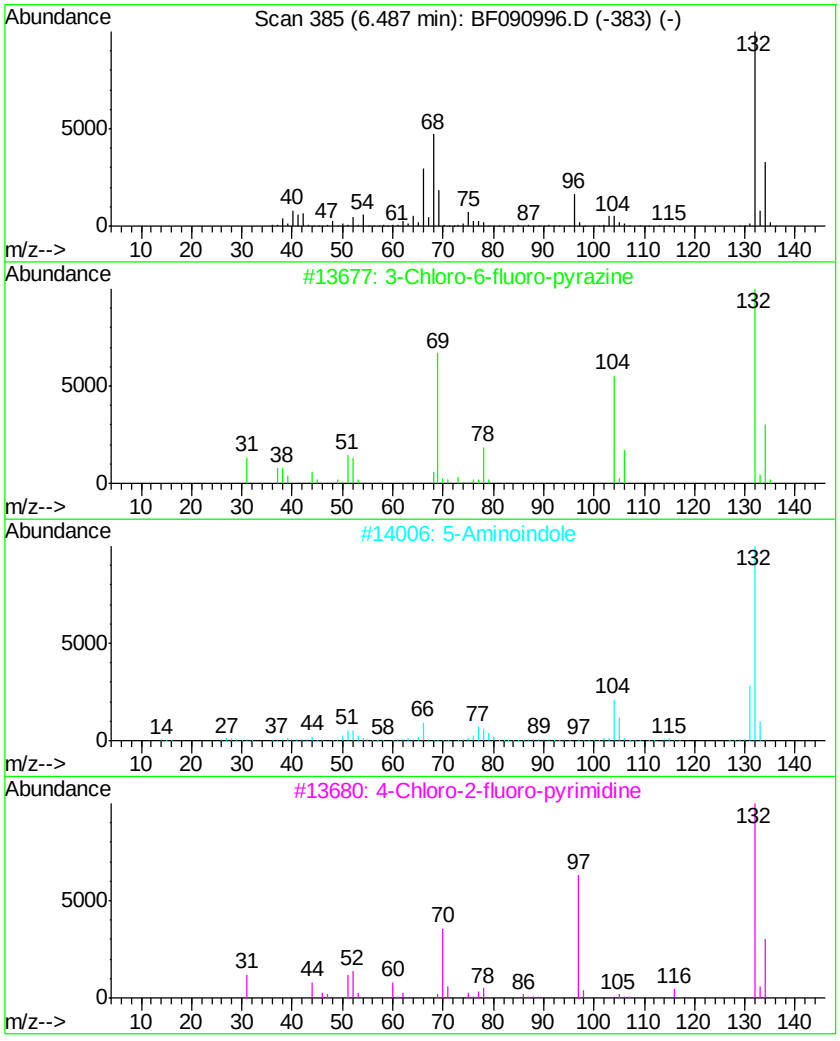
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

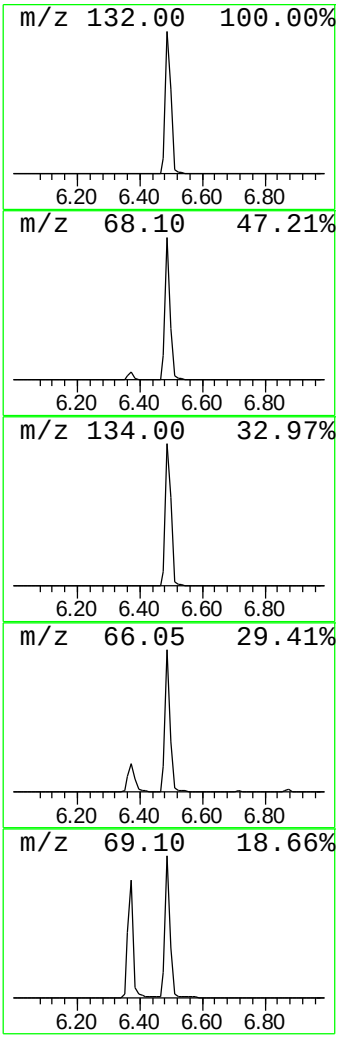
****

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	84.21 ng	4138390	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	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

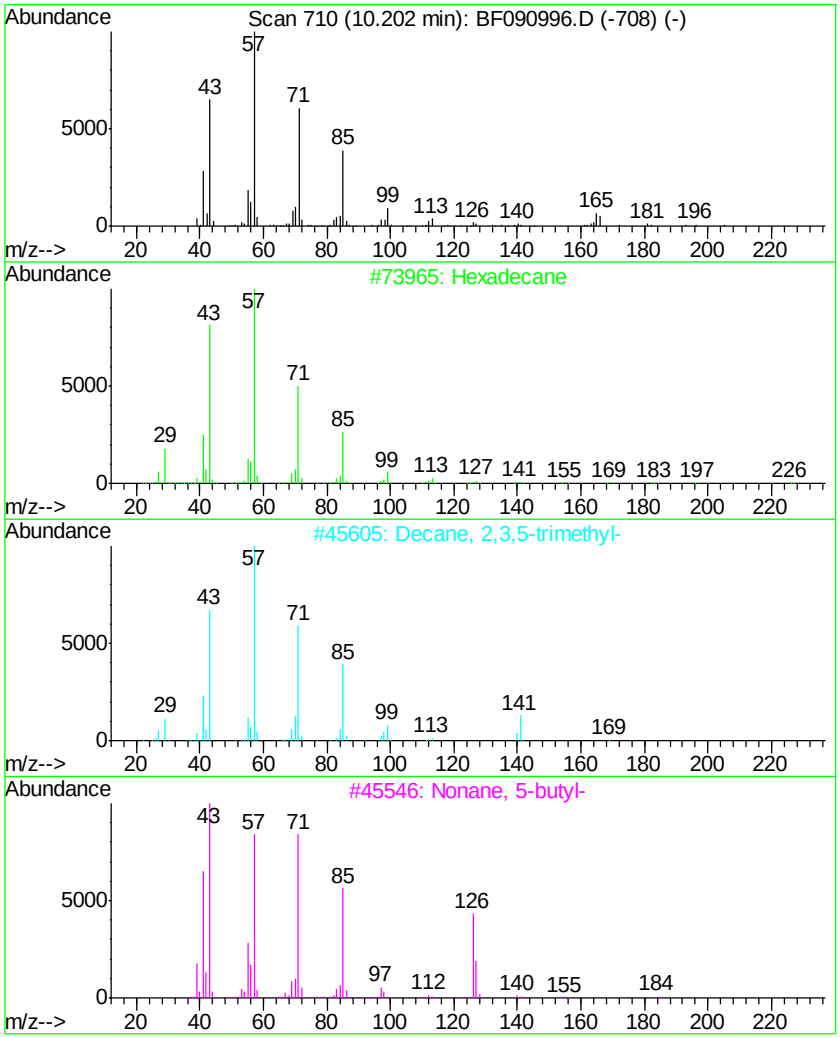
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

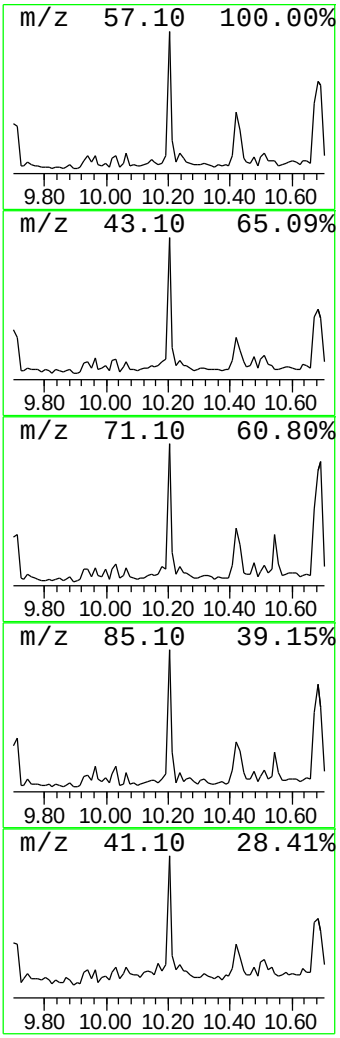
****

Peak Number 4 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	4.73 ng	341080	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	59
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

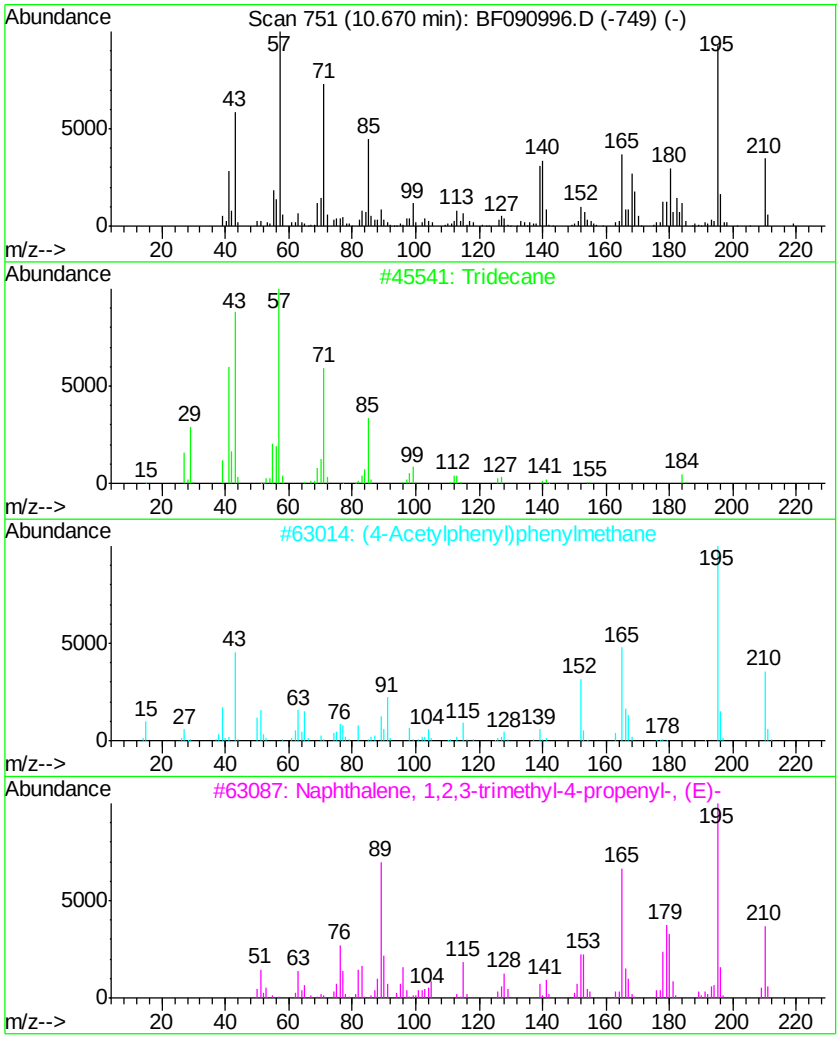
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

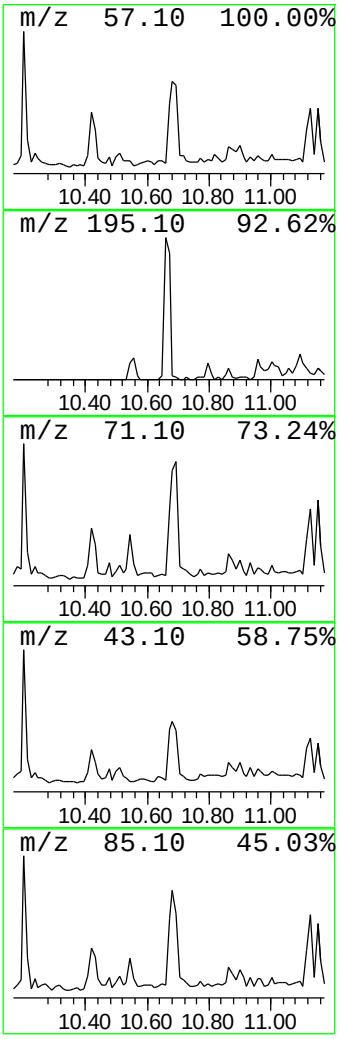
****

Peak Number 6 unknown10.47 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	6.24 ng	467843	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	42
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	42
3	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	38
4	Dodecane	170	C12H26	000112-40-3	38
5	Eicosane	282	C20H42	000112-95-8	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

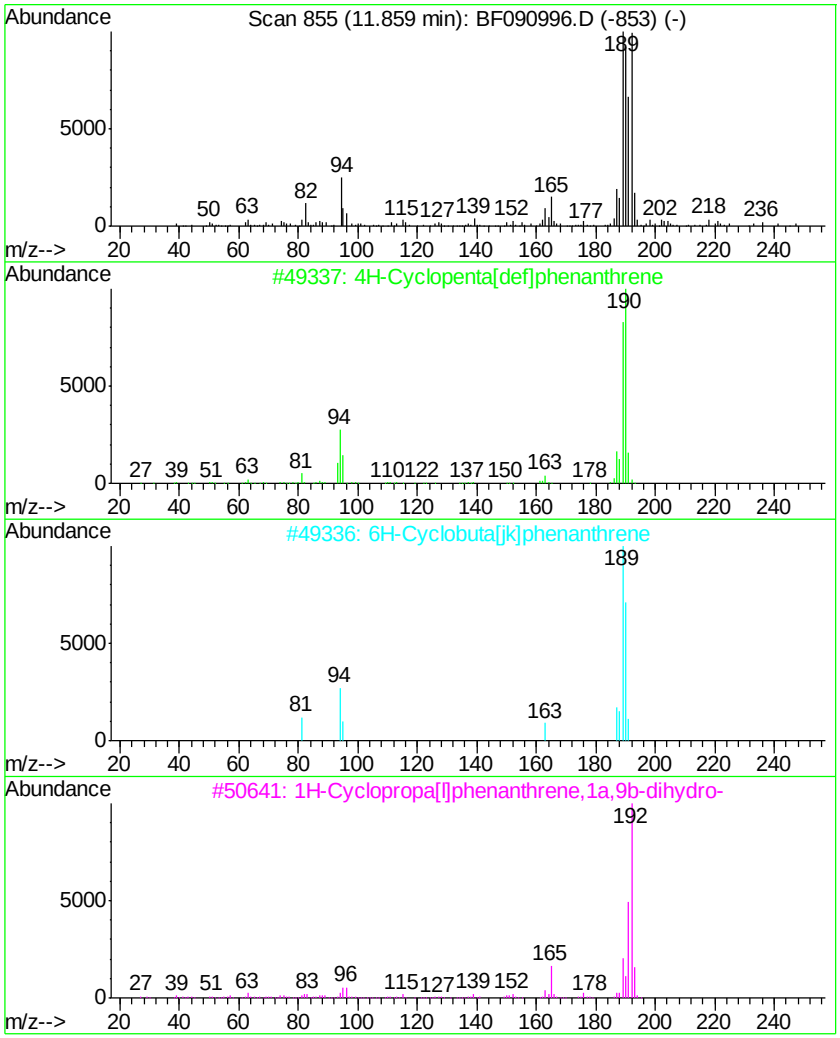
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

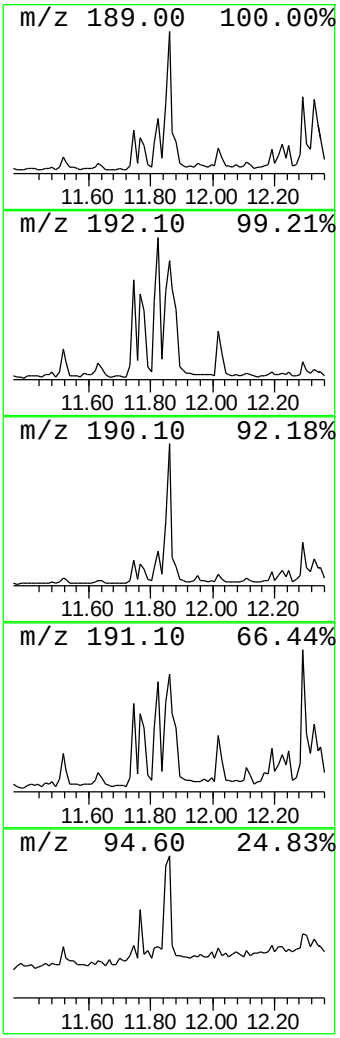
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.80 ng	360315	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

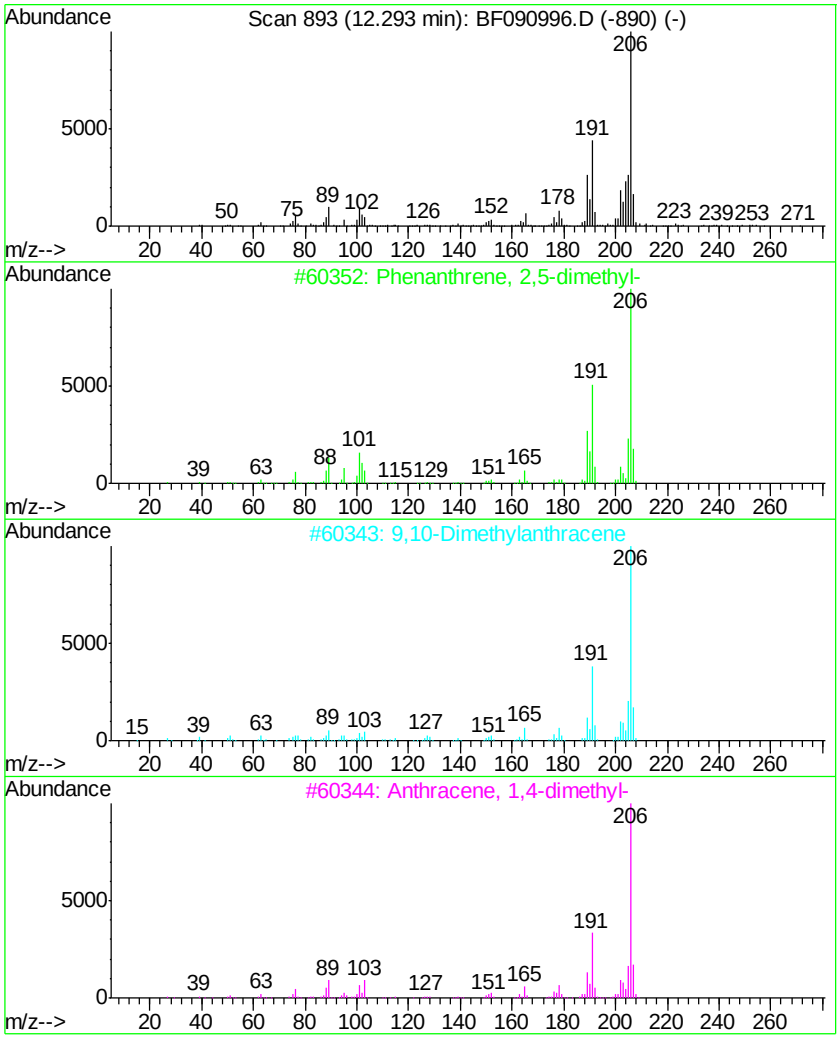
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

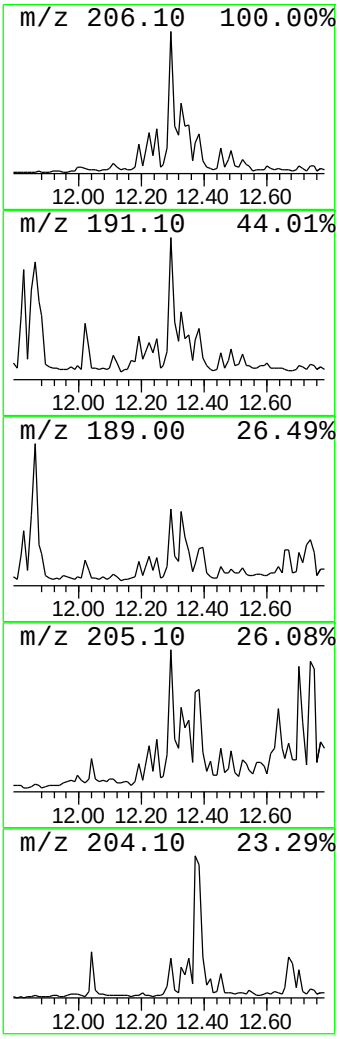
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	4.86 ng	364666	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

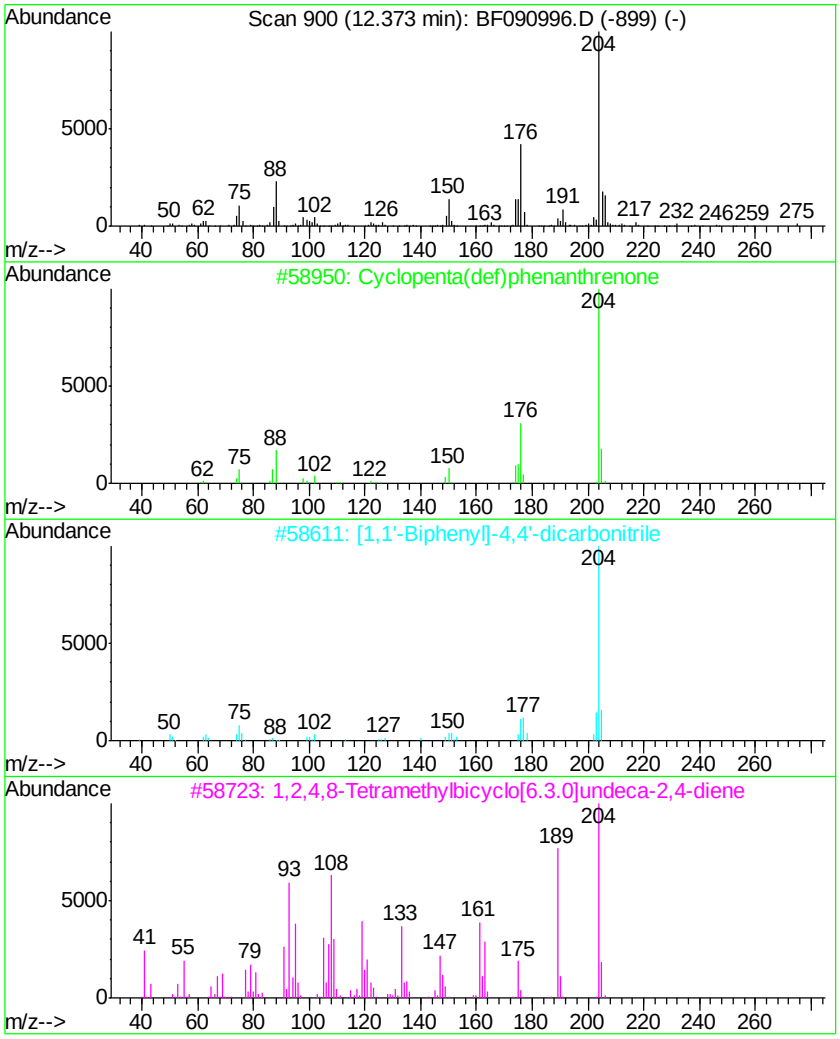
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

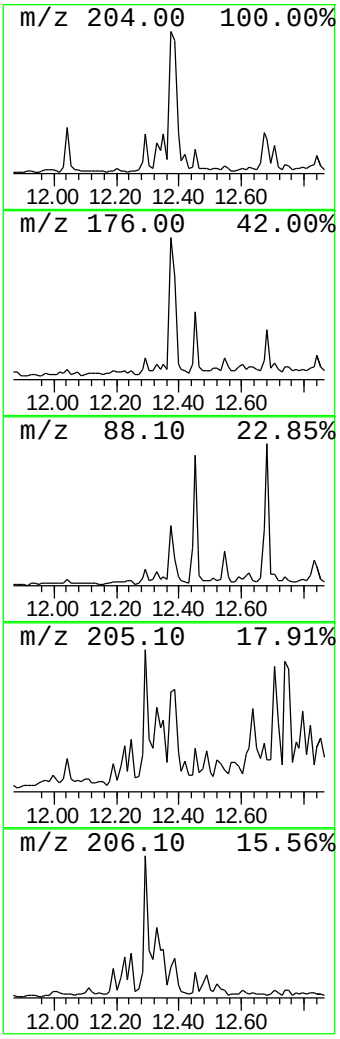
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.83 ng	287219	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	40
5	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	40





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

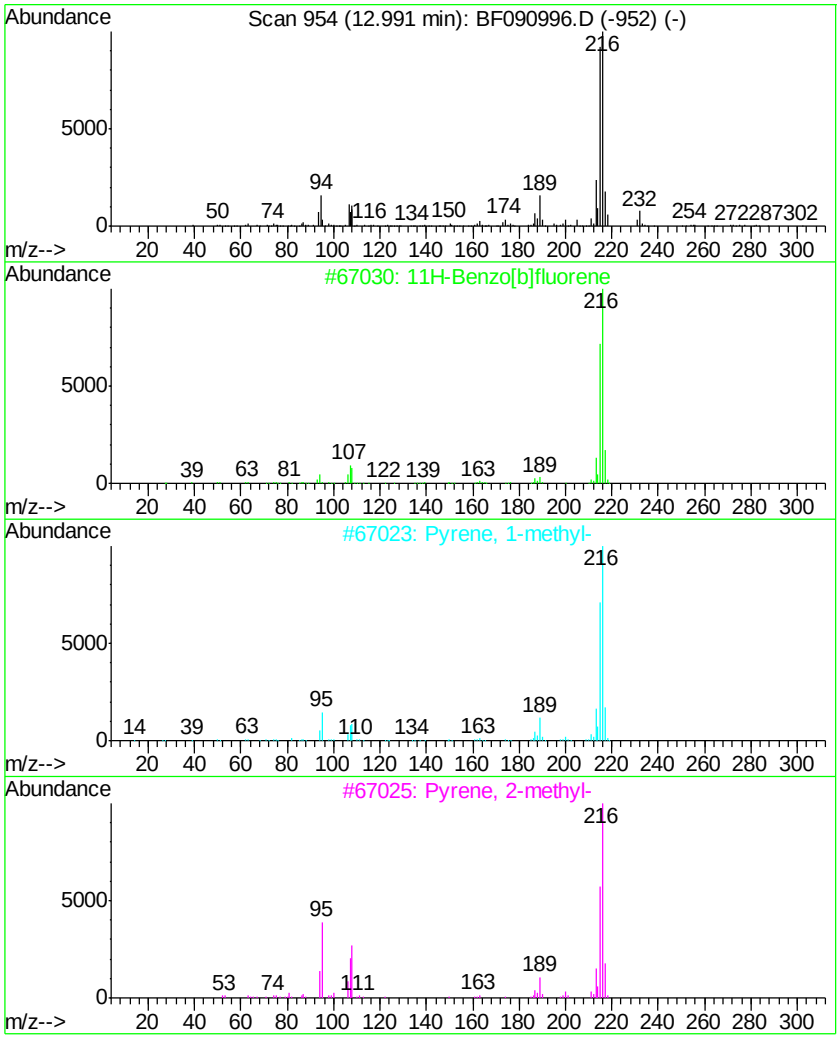
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

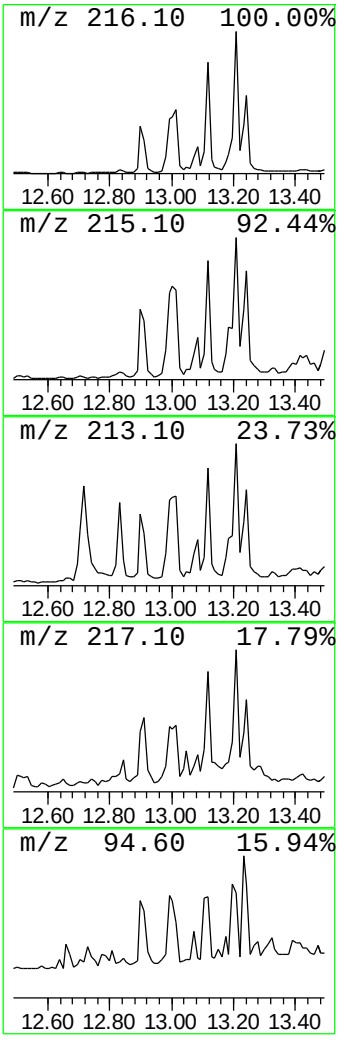
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.59 ng	610113	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

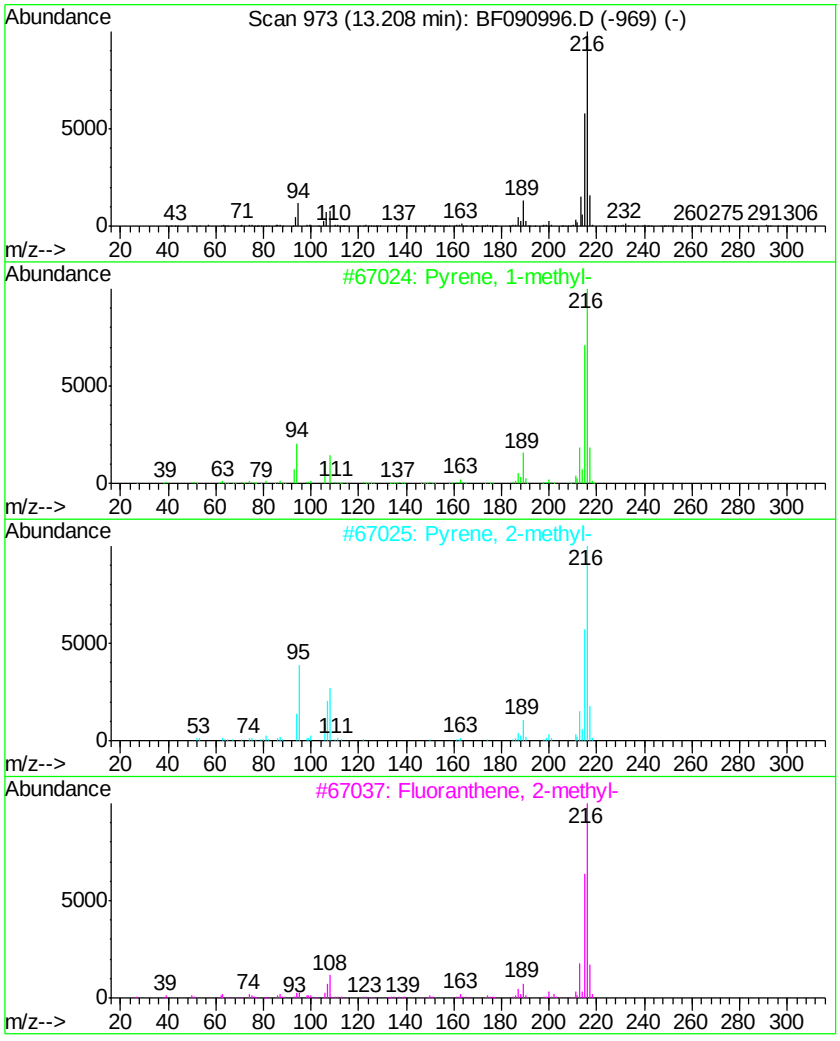
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

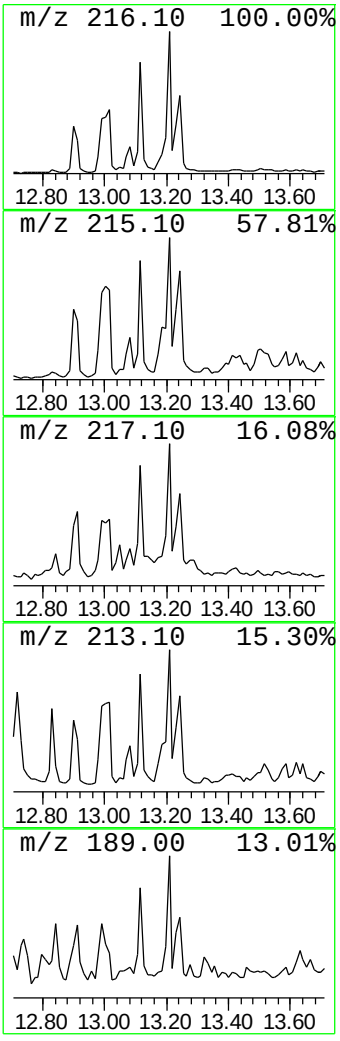
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	3.56 ng	604621	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

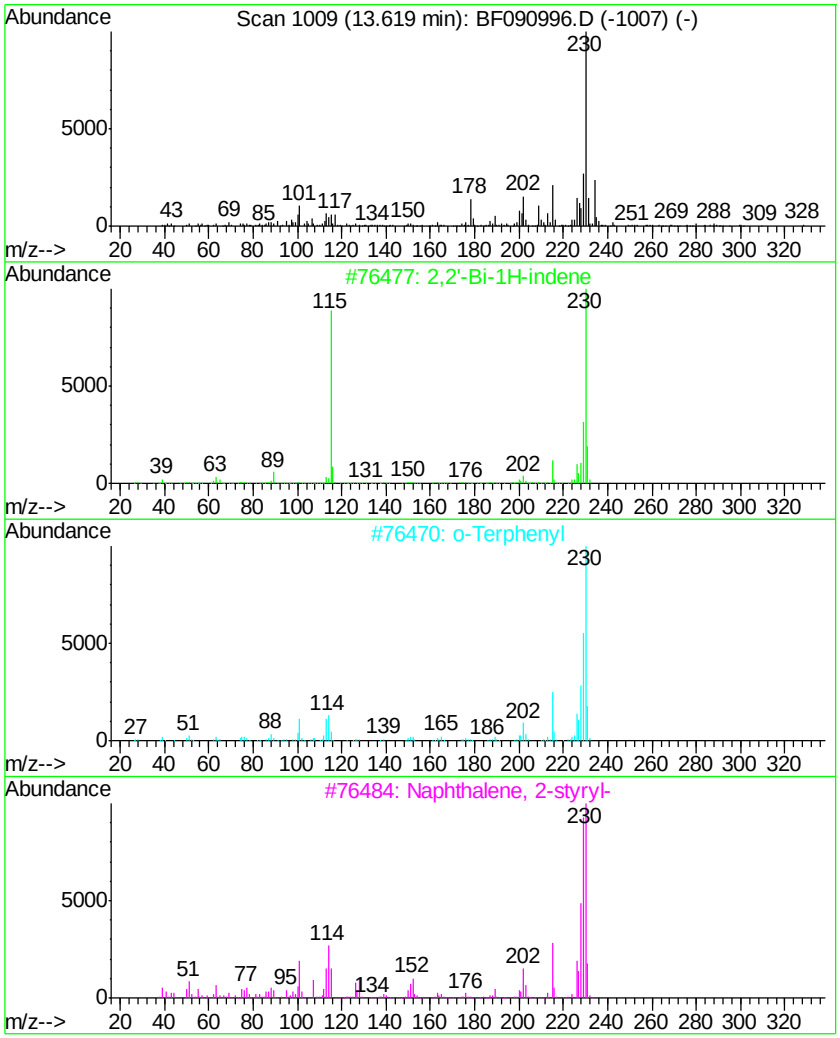
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

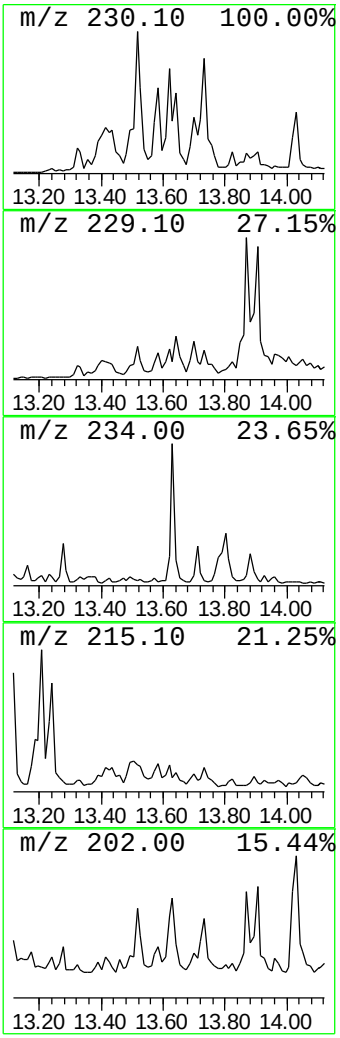
****

Peak Number 12 2,2'-Bi-1H-indene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.81 ng	647106	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	89
2	o-Terphenyl	230	C18H14	000084-15-1	58
3	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	52
4	Pyrene, 1,9-dimethyl-	230	C18H14	074298-70-7	49
5	3-Bromo-7-methoxy pyrazolo[4,3-d...	228	C6H5BrN4O	068479-22-1	47





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

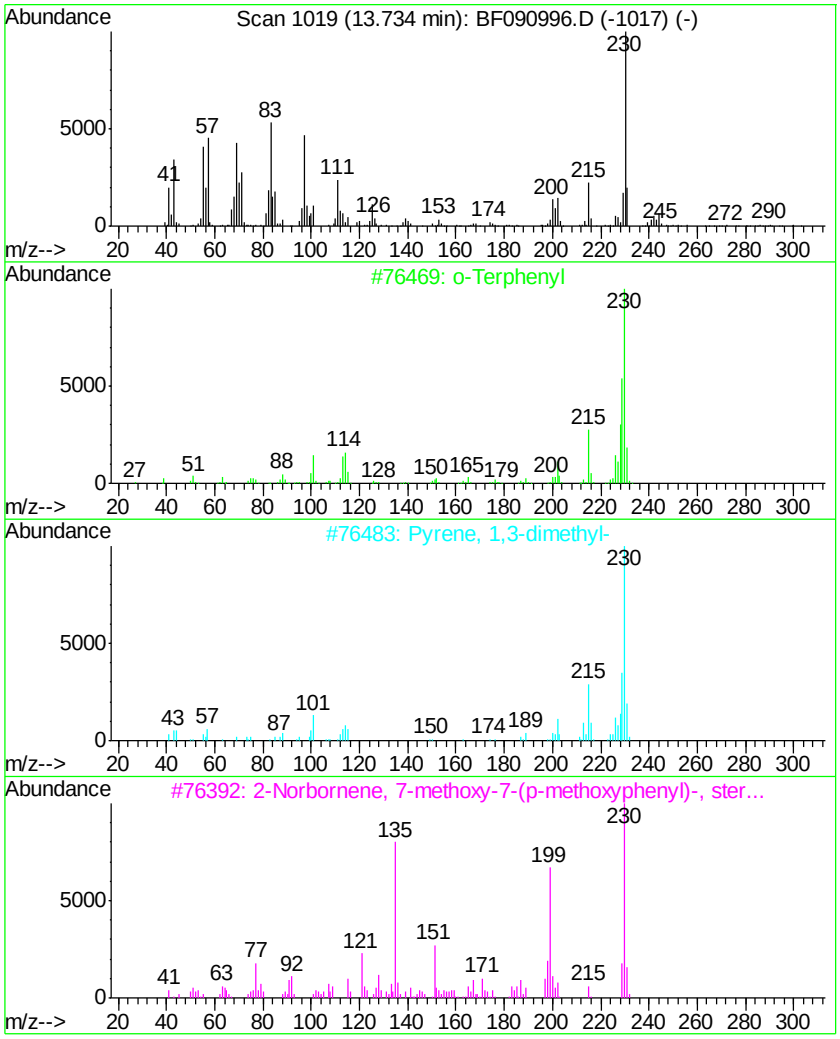
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

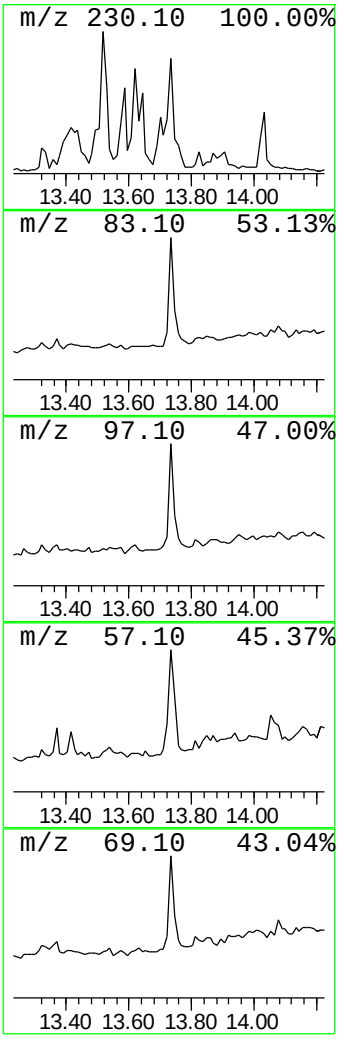
****

Peak Number 13 unknown13.73 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.44 ng	584124	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	45
2	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	45
3	2-Norbornene, 7-methoxy-7-(p-met...	230	C15H18O2	027999-78-6	43
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	42
5	m-Terphenyl	230	C18H14	000092-06-8	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

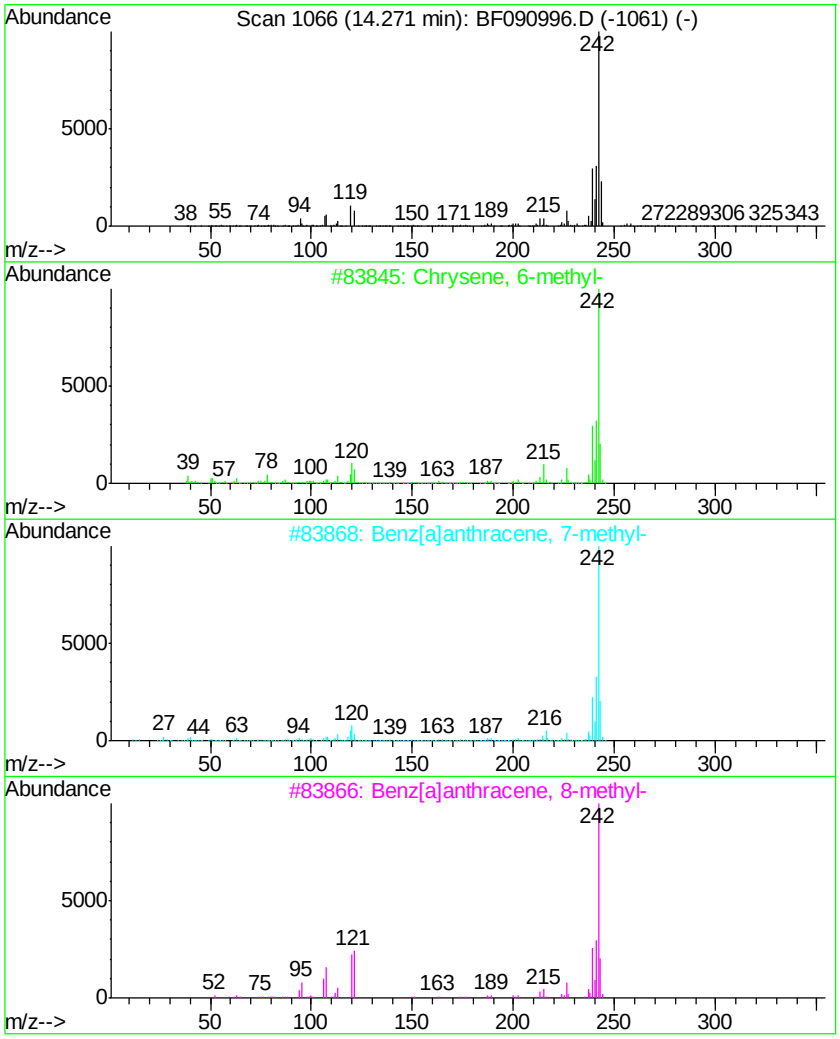
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

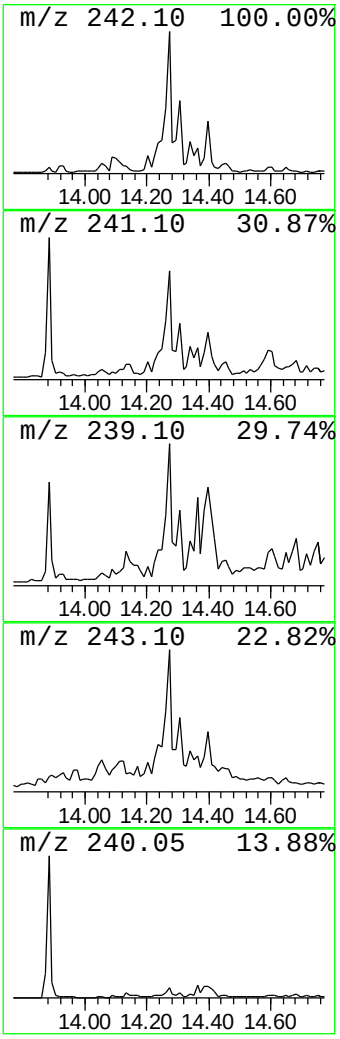
****

Peak Number 14 Chrysene, 6-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	5.14 ng	873787	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 6-methyl-	242	C19H14	003697-24-3	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

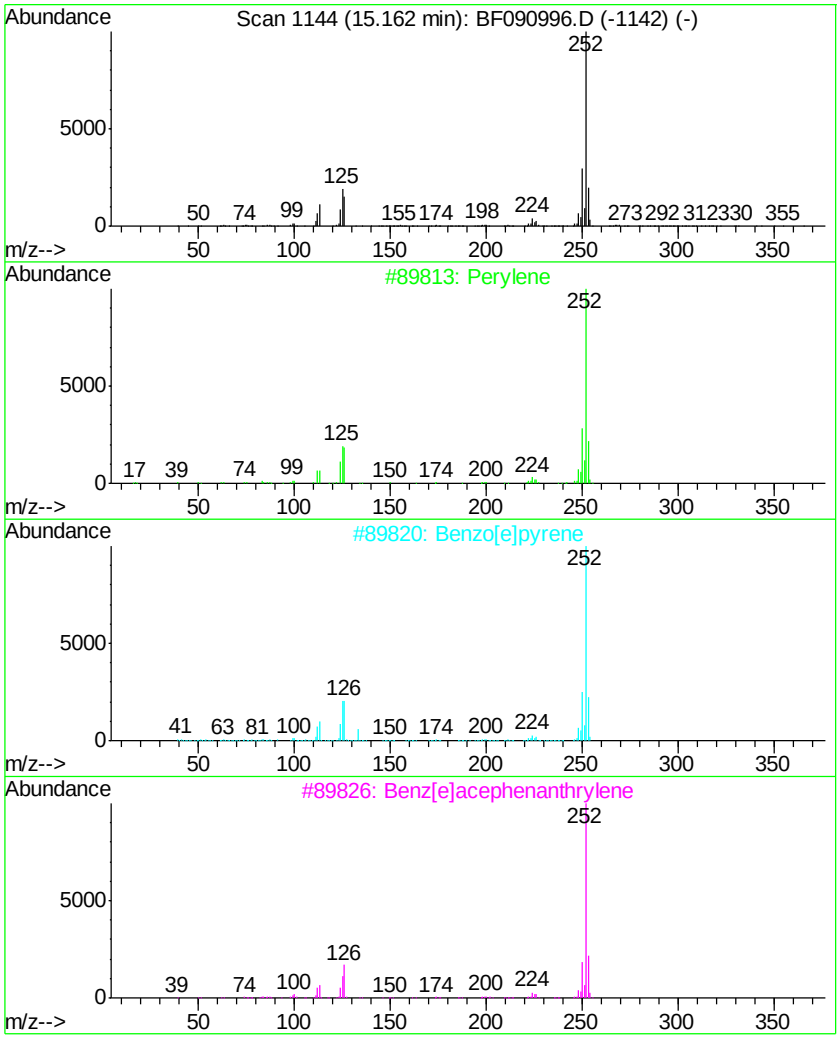
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

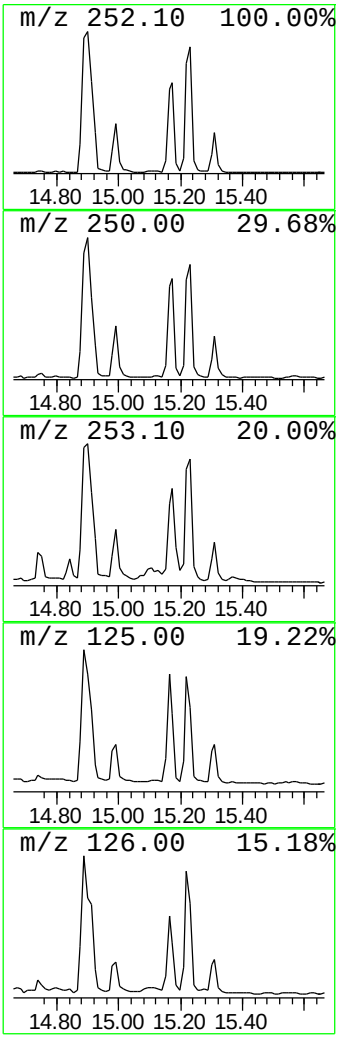
****

Peak Number 16 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	16.15 ng	1137890	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

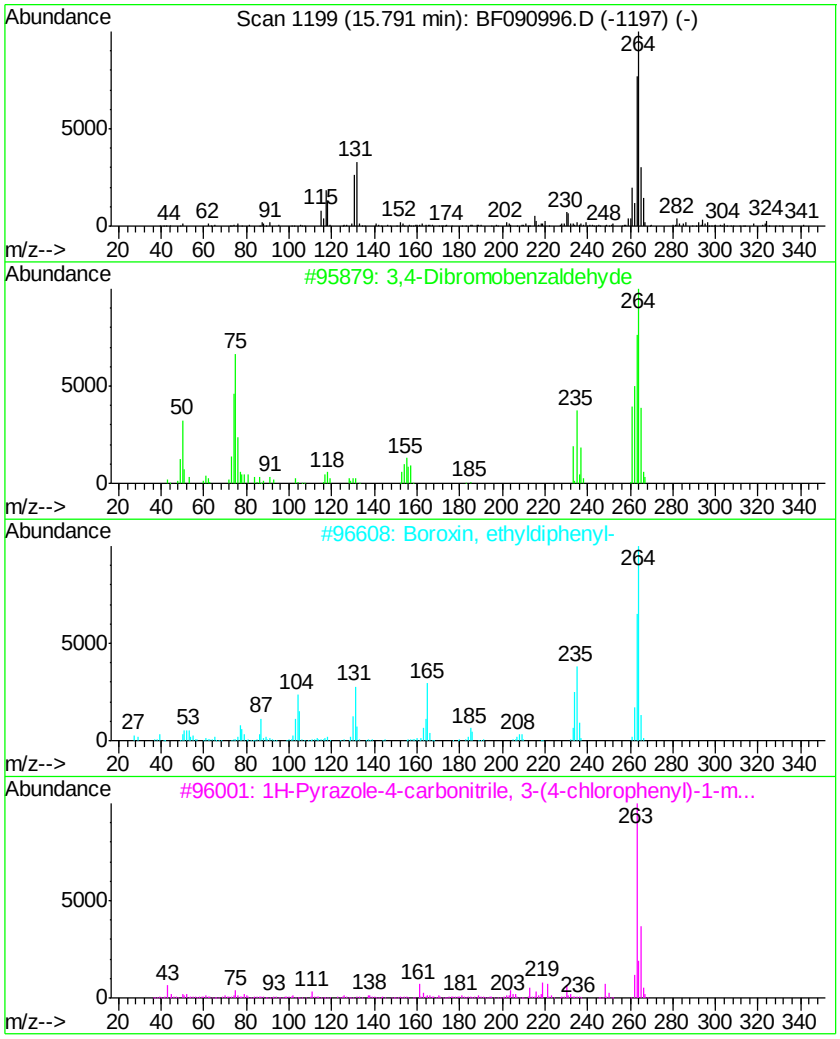
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

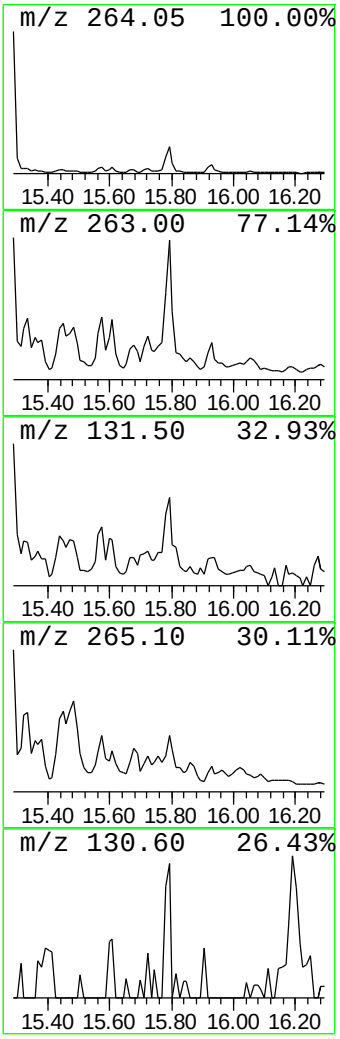
****

Peak Number 17 3,4-Dibromobenzaldehyde Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	6.63 ng	466825	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
4	Phenothiazine, 2-chloro-8-methoxy-	263	C13H10ClNOS	017800-09-8	35
5	2-(4-Bromoanilino)-1-cyclopenten...	262	C12H11BrN2	191980-05-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

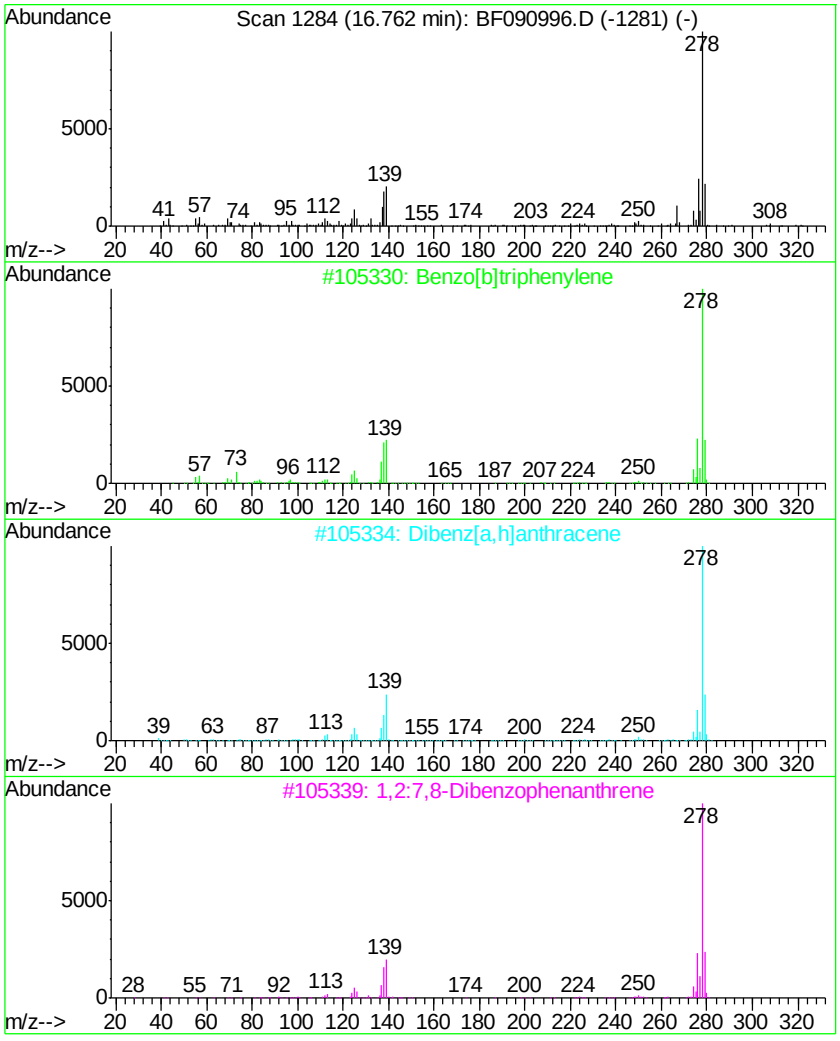
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

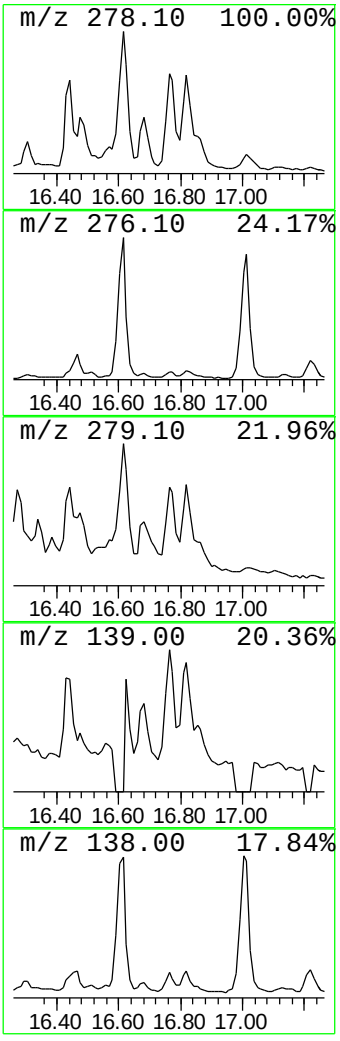
****

Peak Number 18 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.66 ng	257964	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Pentaphene	278	C22H14	000222-93-5	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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

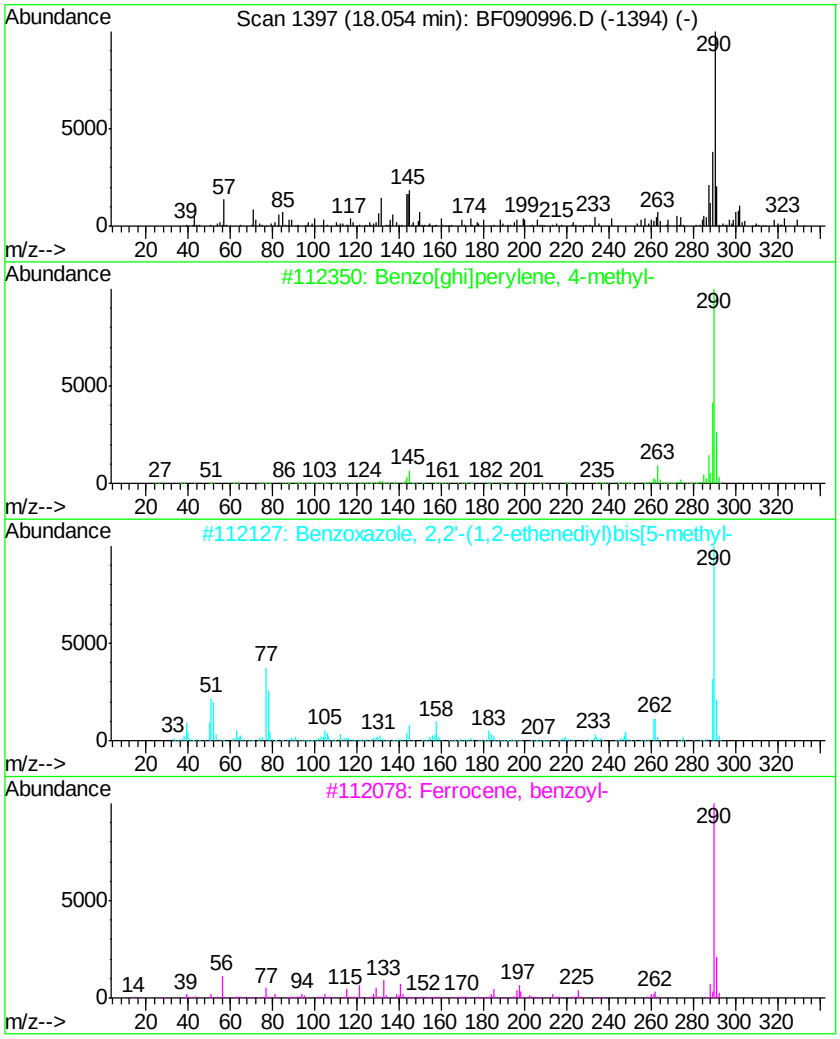
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

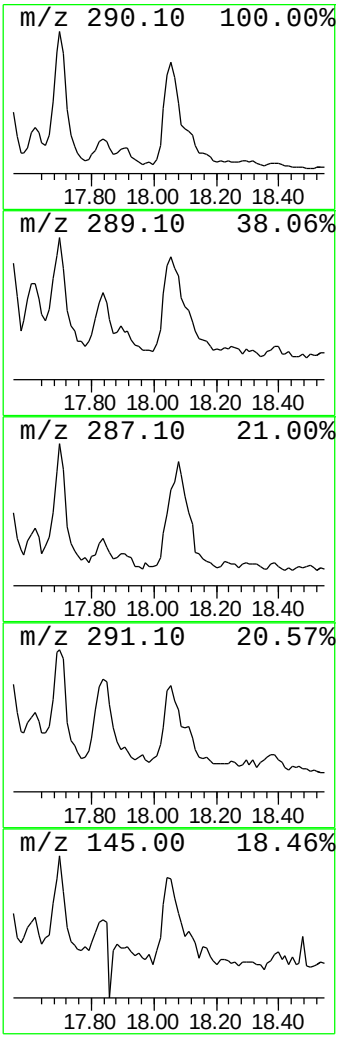
****

Peak Number 19 Benzo[ghi]perylene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	5.22 ng	367858	Perylene-d12	15.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene, 4-methyl-	290	C23H14	019224-38-5	70
2	Benzoxazole, 2,2'-(1,2-ethenediy...	290	C18H14N2O2	001041-00-5	53
3	Ferrocene, benzoyl-	290	C17H14FeO	001272-44-2	46
4	Benzo[1,2-b:3,4-b']bis[1]benzoth...	290	C18H10S2	000198-89-0	43
5	10-Cyclohexyl-2,3-dihydro-1H-pyr...	290	C20H22N2	157056-89-8	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
Data File : BF090996.D
Acq On : 2 Nov 2016 22:45
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4(0-2)

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...	4.88	19.2	ng	941363	1	6.72	982832	20.0
unknown6.49	6.49	84.2	ng	4138390	1	6.72	982832	20.0
Hexadecane	10.20	4.7	ng	341080	3	9.76	1443710	20.0
unknown10.47	10.67	6.2	ng	467843	4	11.24	1500270	20.0
4H-Cyclopenta[def...	11.86	4.8	ng	360315	4	11.24	1500270	20.0
Phenanthrene, 2,5...	12.29	4.9	ng	364666	4	11.24	1500270	20.0
Cyclopenta(def)ph...	12.37	3.8	ng	287219	4	11.24	1500270	20.0
11H-Benzo[b]fluorene	12.99	3.6	ng	610113	5	13.88	3398070	20.0
Pyrene, 1-methyl-	13.21	3.6	ng	604621	5	13.88	3398070	20.0
2,2'-Bi-1H-indene	13.62	3.8	ng	647106	5	13.88	3398070	20.0
unknown13.73	13.73	3.4	ng	584124	5	13.88	3398070	20.0
Chrysene, 6-methyl-	14.27	5.1	ng	873787	5	13.88	3398070	20.0
Perylene	15.16	16.1	ng	1137890	6	15.28	1409030	20.0
3,4-Dibromobenzal...	15.79	6.6	ng	466825	6	15.28	1409030	20.0
Benzo[b]triphenylene	16.76	3.7	ng	257964	6	15.28	1409030	20.0
Benzo[ghi]perylen...	18.05	5.2	ng	367858	6	15.28	1409030	20.0