LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.316	103	107	114	rVB	24854	32244	0.92%	0.073%
2	5.022	393	397	405	rBB	28012	39426	1.13%	0.089%
3	5.157	415	420	430	rBB	23643	48586	1.39%	0.109%
4	5.510	474	480	489	rBB2	59228	117451	3.37%	0.265%
5	6.004	559	564	568	rBV	30902	43712	1.25%	0.099%
6	6.722	681	686	697	rVB2	98193	186647	5.35%	0.421%
7	6.863	704	710	715	rBV	88232	131725	3.77%	0.297%
8	7.057	738	743	751	rBB	102494	164124	4.70%	0.370%
9	7.134	751	756	758	rBV	16809	24650	0.71%	0.056%
10	7.163	758	761	767	rVB	49246	67299	1.93%	0.152%
11	7.522	811	822	832	rBV	589849	916972	26.28%	2.066%
12	7.628	835	840	847	rVB	26087	40755	1.17%	0.092%
13	8.157	923	930	937	rVB4	21009	36807	1.05%	0.083%
14	8.257	941	947	954	rBV2	102147	168817	4.84%	0.380%
15	8.616	999	1008	1013	rBB	18245	28921	0.83%	0.065%
16	8.686	1014	1020	1025	rBV	109943	181680	5.21%	0.409%
17	8.733	1025	1028	1036	rVB2	22685	33859	0.97%	0.076%
18	9.204	1102	1108	1115	rVB	22045	36159	1.04%	0.081%
19	9.404	1134	1142	1148	rBV	87298	154290	4.42%	0.348%
20	9.516	1156	1161	1165	rVB	16696	24676	0.71%	0.056%
21	9.710	1188	1194	1201	rVV8	13754	33782	0.97%	0.076%
22	9.775	1201	1205	1210	rVB3	15343	23922	0.69%	0.054%
23	9.957	1230	1236	1242	rBV	110037	184508	5.29%	0.416%
24	10.316	1285	1297	1302	rVV	713014	1227355	35.17%	2.766%
25	10.363	1302	1305	1312	rVB	38528	66916	1.92%	0.151%
26	10.469	1318	1323	1328	rBV	30649	54993	1.58%	0.124%
27	11.992	1574	1582	1587	rBB	30346	47136	1.35%	0.106%
28	13.010	1749	1755	1761	rBV3	14412	27083	0.78%	0.061%
29	13.515	1833	1841	1847	rBV	16979	31586	0.91%	0.071%
30	13.616	1853	1858	1862	rVV	224358	323722	9.28%	0.729%
31	13.663	1862	1866	1871	rVB	102028	142700	4.09%	0.322%
32	13.892	1899	1905	1908	rBV	268349	390999	11.20%	0.881%
33	13.927	1908	1911	1917	rVB2	80714	114054	3.27%	0.257%
34	14.092	1931	1939	1944	rBV	21846	33715	0.97%	0.076%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

35	14.204	1950	1958	1965	rVV2	1017326	1540041	44.13%	3.470%
36	14.263	1965	1968	1975	rVB	36075	56860	1.63%	0.128%
37	14.433	1989	1997	2001	rBV	138035	196576	5.63%	0.443%
38	14.463	2001	2002	2007	rVB	22879	23135	0.66%	0.052%
39	14.598	2020	2025	2030	rBV2	37186	55557	1.59%	0.125%
40	14.880	2069	2073	2082	rVB4	12413	24942	0.71%	0.056%
41	15.033	2095	2099	2101	rBV	34098	49469	1.42%	0.111%
42	15.198	2122	2127	2132	rBV	346897	482488	13.83%	1.087%
43	15.257	2132	2137	2141	rVV2	29311	39890	1.14%	0.090%
44	15.368	2152	2156	2161	rVB6	11318	25877	0.74%	0.058%
45	15.457	2167	2171	2182	rVB4	58751	98445	2.82%	0.222%
46	15.915	2244	2249	2250	rBV2	53638	64223	1.84%	0.145%
47	16.304	2311	2315	2320	rVB2	82144	120418	3.45%	0.271%
48	16.480	2339	2345	2350	rBV3	130172	235739	6.76%	0.531%
49	16.556	2354	2358	2364	rVB	89021	122025	3.50%	0.275%
50	16.715	2381	2385	2389	rBV3	76920	118381	3.39%	0.267%
51	16.833	2400	2405	2408	rBV2	202944	267919	7.68%	0.604%
52	16.868	2408	2411	2416	rVB	86025	101522	2.91%	0.229%
53	16.956	2420	2426	2430	rVV	1299375	1928667	55.27%	4.346%
54	16.998	2430	2433	2438	rVV	458140	636590	18.24%	1.435%
55	17.056	2438	2443	2446	rVV	369862	516373	14.80%	1.164%
56	17.092	2446	2449	2451	rVV	134201	167212	4.79%	0.377%
57	17.133	2451	2456	2465	rVB2	320014	515575	14.77%	1.162%
58	17.368	2493	2496	2499	rVV	52289	62322	1.79%	0.140%
59	17.409	2500	2503	2506	rVV	83144	108023	3.10%	0.243%
60	17.445	2506	2509	2513	rVB2	82011	100486	2.88%	0.226%
61	17.562	2522	2529	2534	rVB	868360	1541310	44.17%	3.473%
62	17.662	2542	2546	2554	rBV2	241260	480845	13.78%	1.084%
63	17.745	2557	2560	2565	rVB2	63701	81636	2.34%	0.184%
64	17.803	2566	2570	2574	rBV	270252	403877	11.57%	0.910%
65	17.856	2576	2579	2582	rVV2	122997	137580	3.94%	0.310%
66	17.927	2588	2591	2594	rBV	66820	75669	2.17%	0.171%
67	17.962	2594	2597	2602	rVV2	88426	116380	3.33%	0.262%
68	18.027	2603	2608	2613	rVV	952312	1320107	37.83%	2.975%
69	18.086	2614	2618	2622	rVV	536829	738000	21.15%	1.663%
70	18.127	2622	2625	2632	rVB2	362963	508475	14.57%	1.146%
71	18.315	2652	2657	2662	rBV2	606960	935389	26.80%	2.108%

LSC Area Percent Report

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Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

72	18.362	2662	2665	2668	rVV	202642	251475	7.21%	0.567%
73	18.421	2672	2675	2678	rVV	136287	179831	5.15%	0.405%
74	18.450	2678	2680	2683	rVV	167112	208521	5.98%	0.470%
75	18.492	2683	2687	2692	rVB	419144	489039	14.01%	1.102%
76	18.592	2701	2704	2709	rVB2	126165	172546	4.94%	0.389%
77	18.809	2738	2741	2744	rBV2	115870	129106	3.70%	0.291%
78	18.880	2746	2753	2763	rVB3	603750	1514074	43.39%	3.412%
79	19.033	2774	2779	2784	rBV	910055	1233388	35.34%	2.779%
80	19.092	2786	2789	2797	rVV5	178055	291159	8.34%	0.656%
81	19.168	2797	2802	2808	rVB	929647	1301168	37.29%	2.932%
82	19.233	2810	2813	2818	rBV	321595	364777	10.45%	0.822%
83	19.292	2819	2823	2829	rVB	926101	1126391	32.28%	2.538%
84	19.368	2832	2836	2838	rBV3	604208	838843	24.04%	1.890%
85	19.397	2838	2841	2844	rVB	643653	747295	21.41%	1.684%
86	19.509	2857	2860	2865	rVB	301586	334603	9.59%	0.754%
87	19.621	2875	2879	2886	rVB2	769542	975189	27.95%	2.198%
88	19.880	2920	2923	2929	rVB2	602686	825371	23.65%	1.860%
89	19.939	2930	2933	2938	rVB	556727	632295	18.12%	1.425%
90	20.162	2968	2971	2975	rVB	641129	702294	20.12%	1.583%
91	20.244	2983	2985	2989	rVB2	246331	272101	7.80%	0.613%
92	20.303	2991	2995	2999	rVV	1447151	1772904	50.80%	3.995%
93	20.344	2999	3002	3009	rVB	962866	1142204	32.73%	2.574%
94	20.480	3023	3025	3031	rVB	563943	686322	19.67%	1.547%
95	20.856	3086	3089	3093	rBV	540867	718364	20.59%	1.619%
96	21.080	3123	3127	3134	rVB	1239435	1478266	42.36%	3.331%
97	21.174	3137	3143	3147	rBV2	2079943	3489663	100.00%	7.864%
98	21.327	3166	3169	3174	rVB	504417	566212	16.23%	1.276%
99	21.380	3175	3178	3181	rBV	589817	691530	19.82%	1.558%
100	23.374	3512	3517	3522	rVB	1201975	2062384	59.10%	4.647%

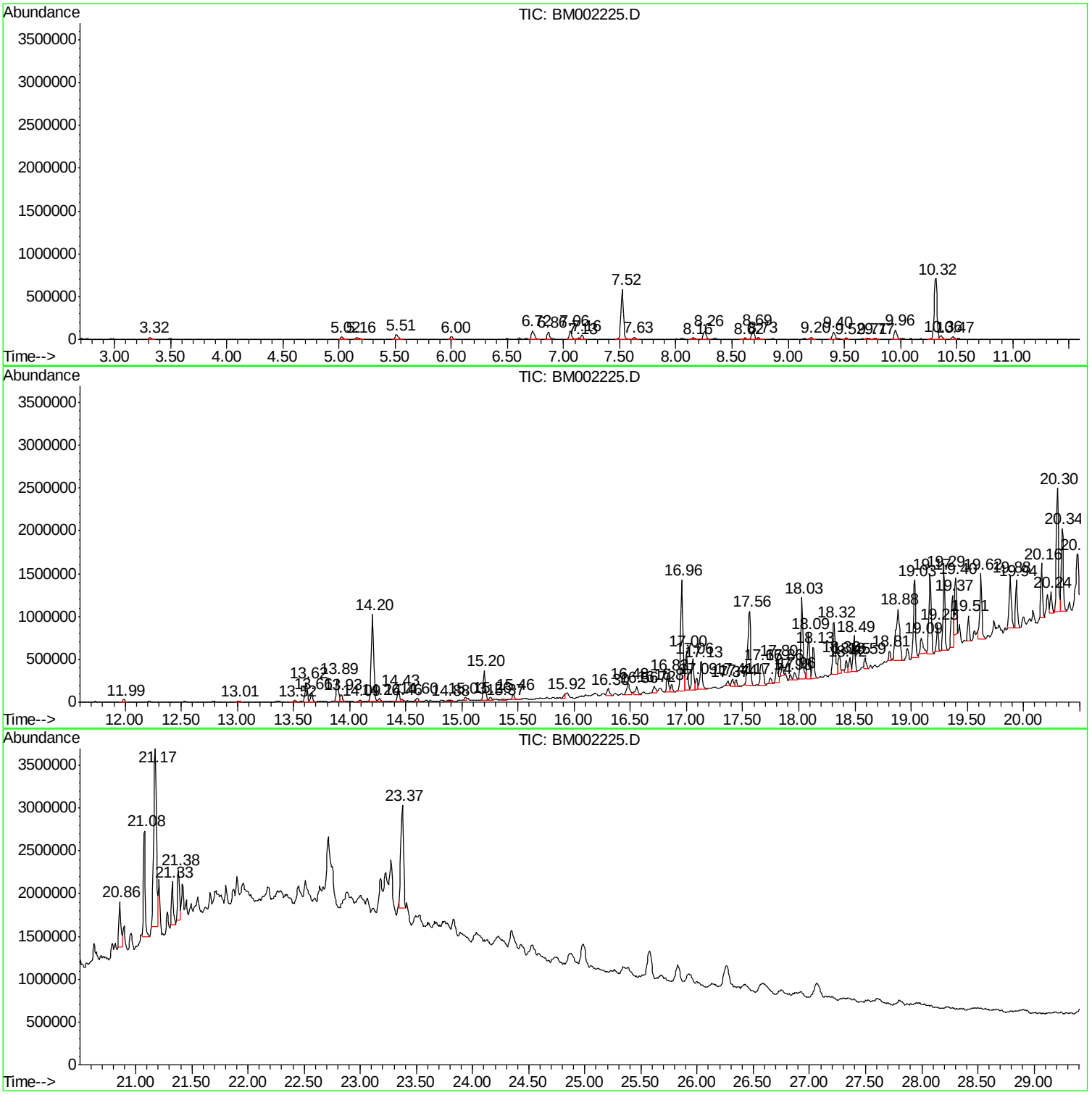
Sum of corrected areas: 44376609

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

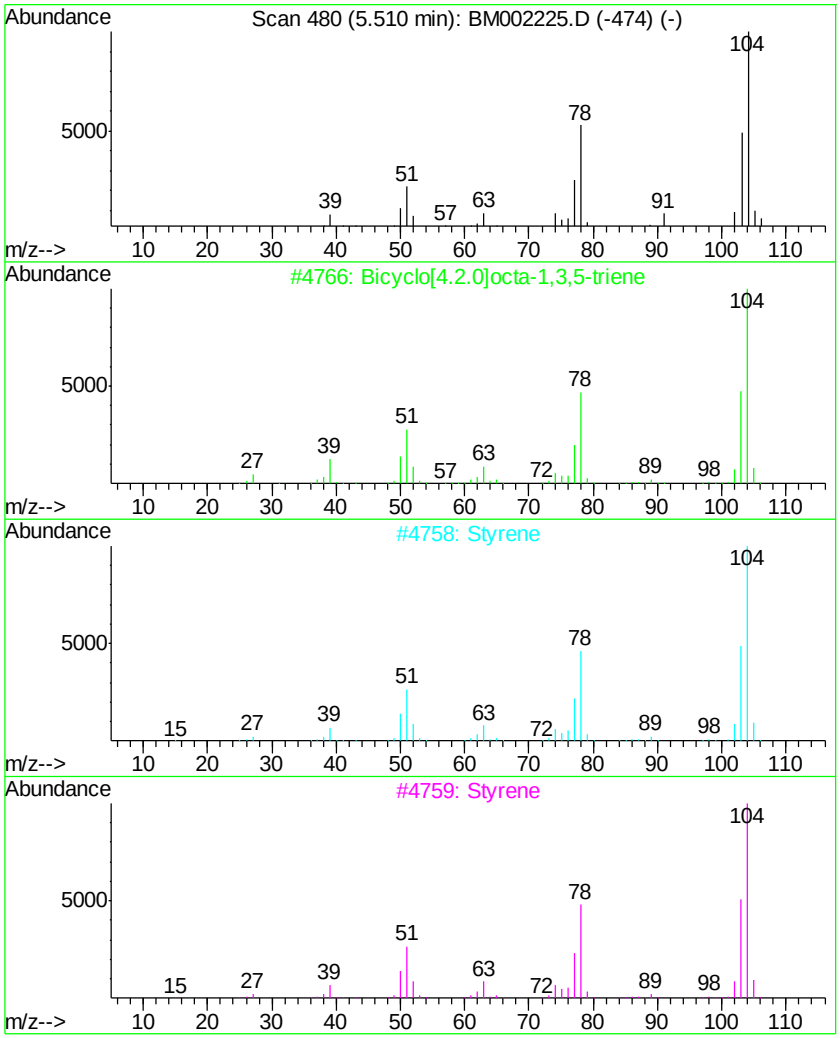
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

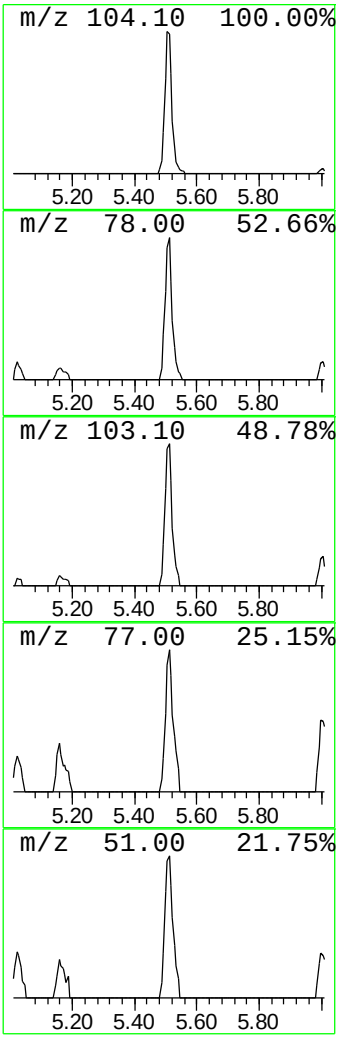
****

Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.51	2.56 ng/ul	117451	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
2	Styrene	104	C8H8	000100-42-5	96
3	Styrene	104	C8H8	000100-42-5	96
4	Styrene	104	C8H8	000100-42-5	94
5	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

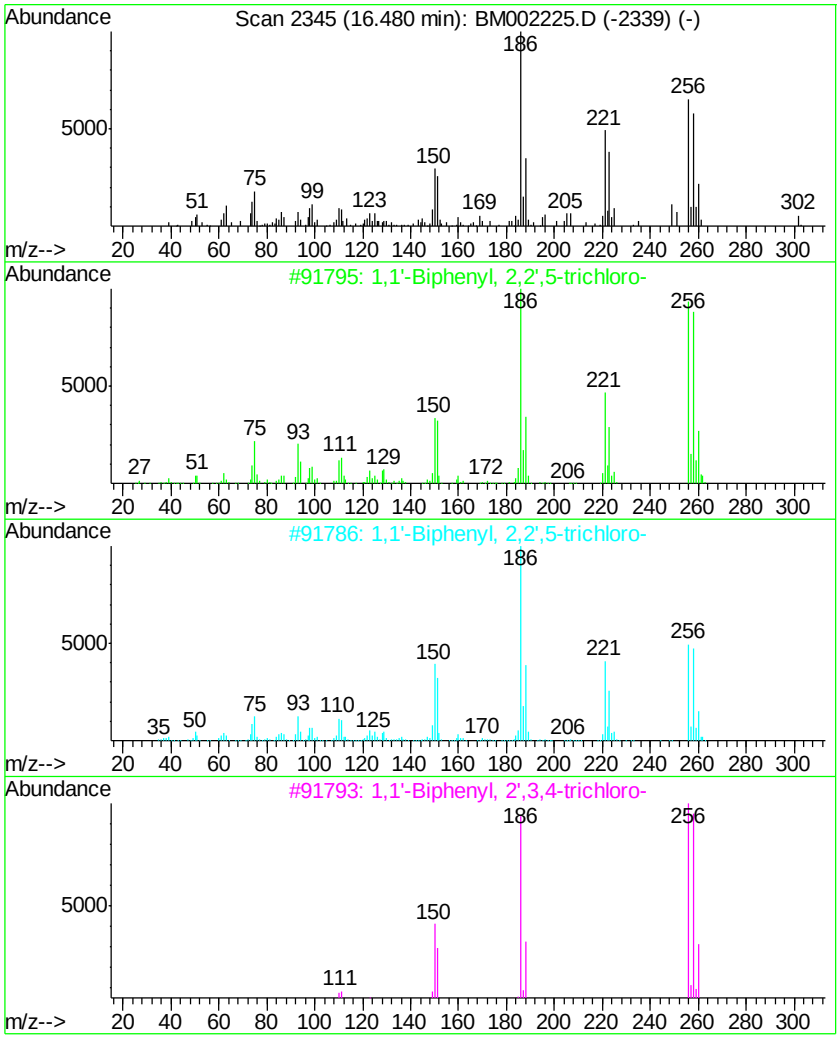
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

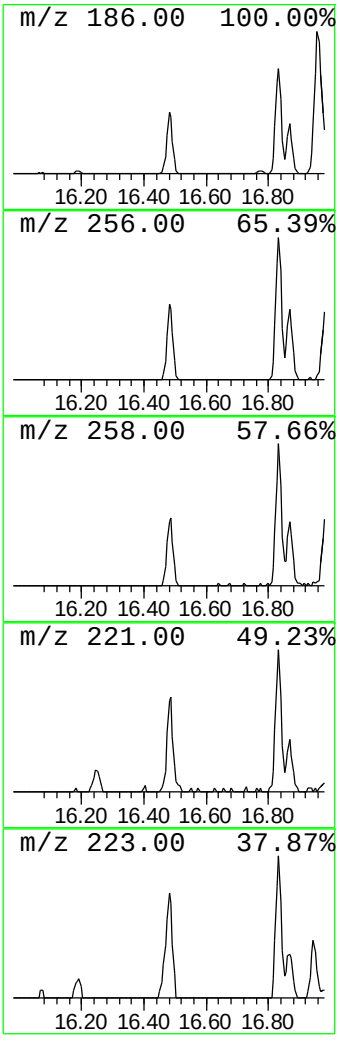
****

Peak Number 2 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	2.44 ng/ul	235739	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

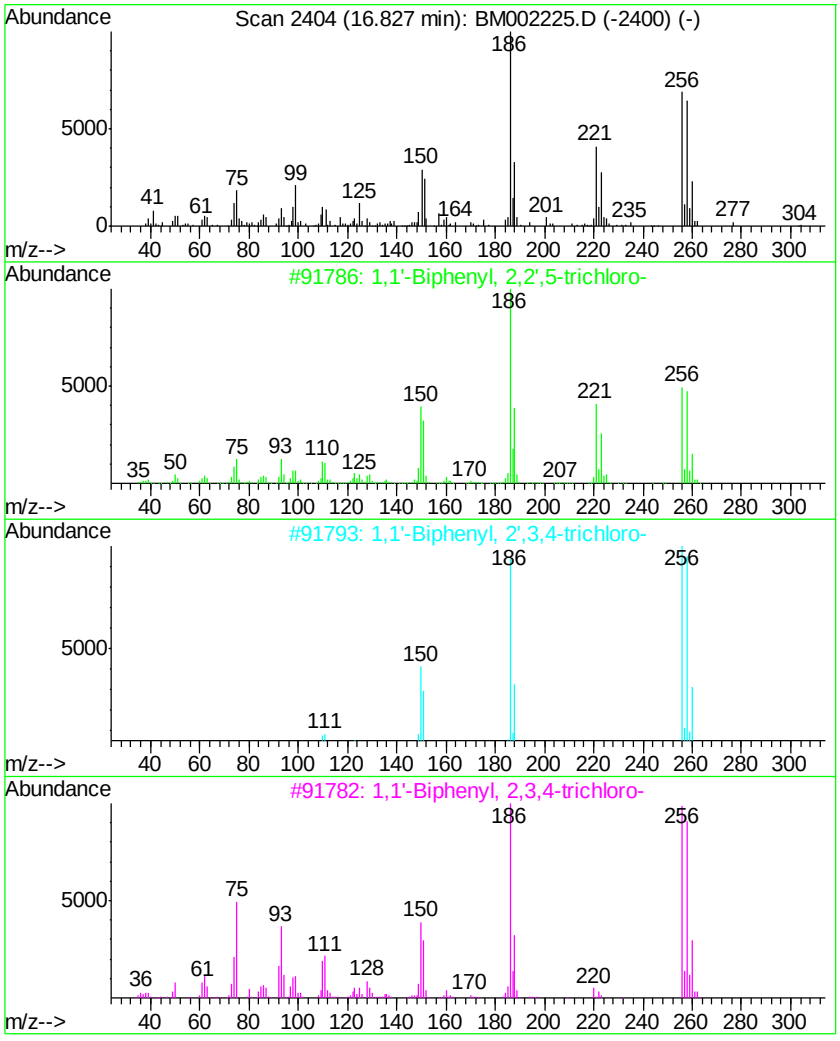
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

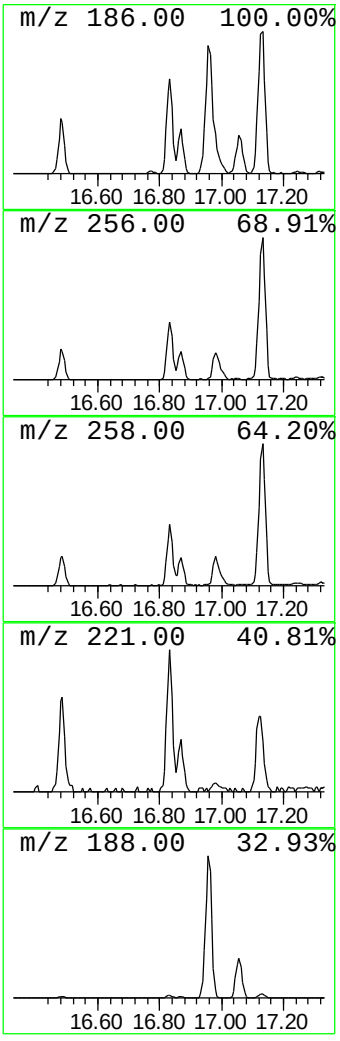
****

Peak Number 3 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	2.78 ng/ul	267919	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	94
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	93
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	92





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
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Acq On : 05 Aug 2015 00:31
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Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

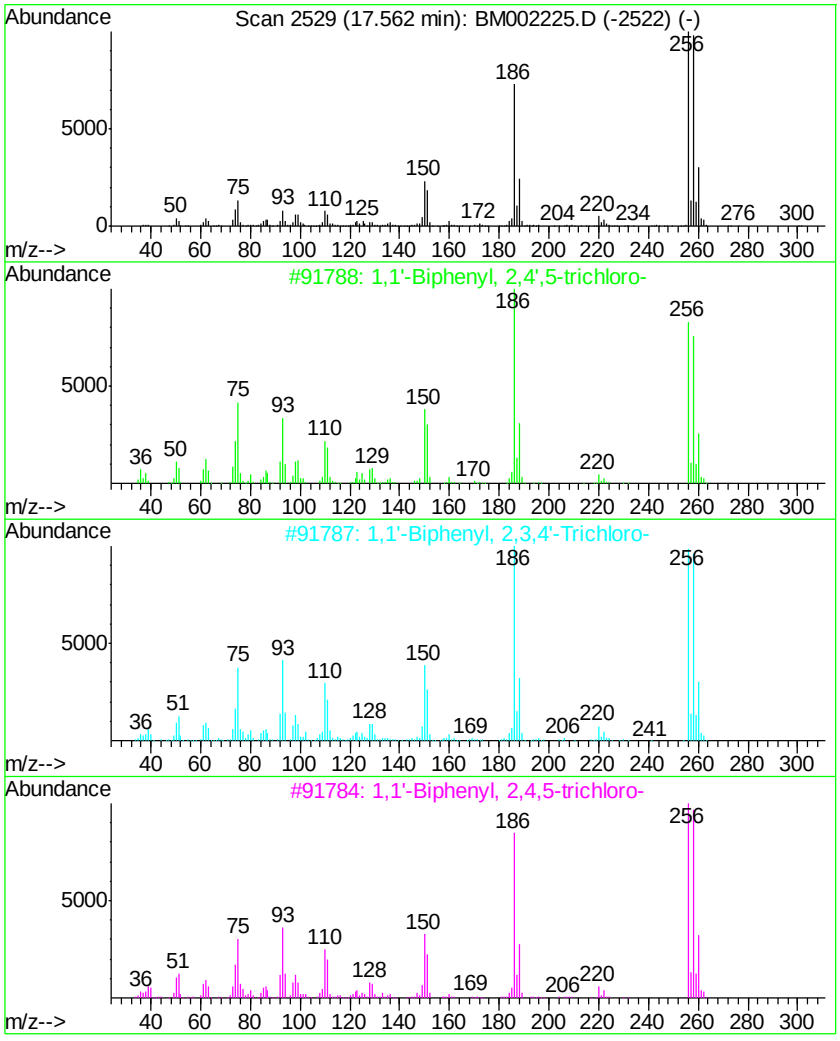
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

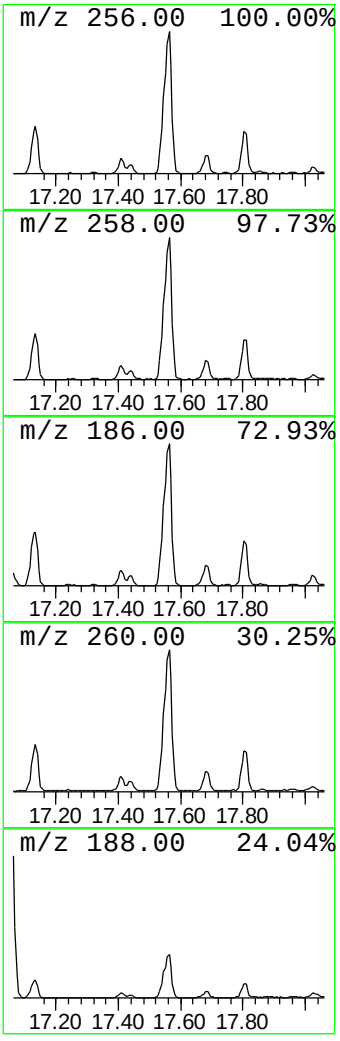
****

Peak Number 4 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	15.98 ng/ul	1541310	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
3	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	97
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

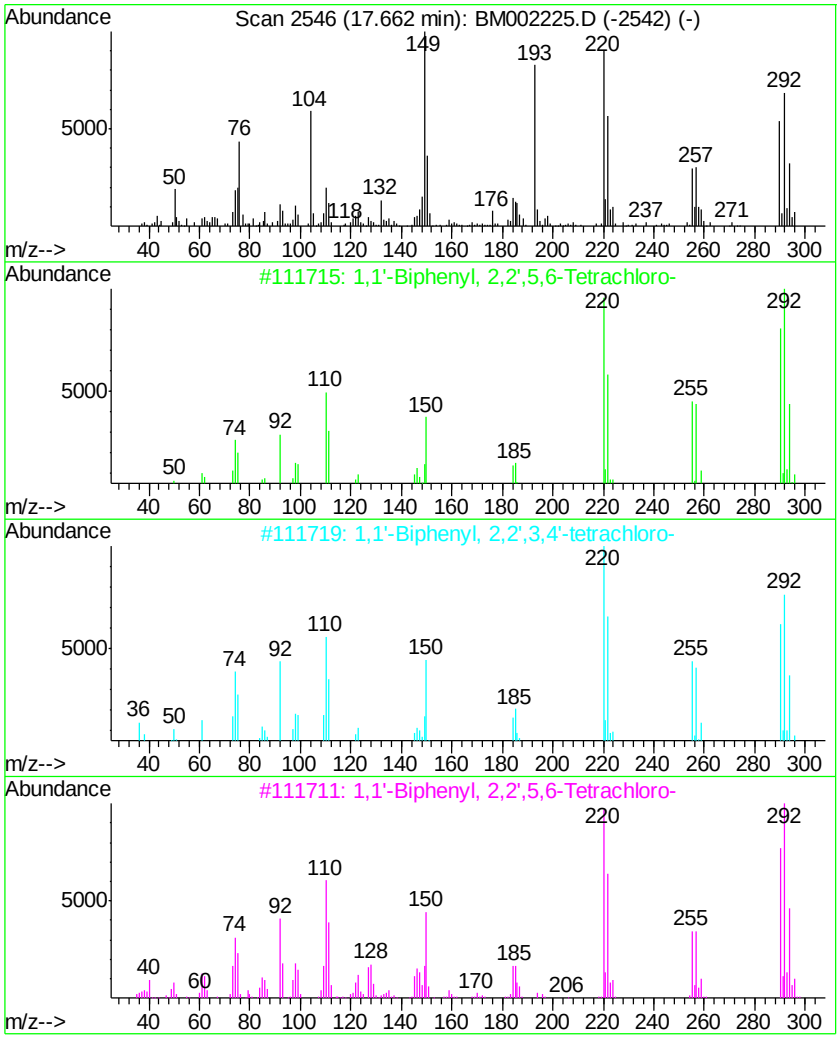
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

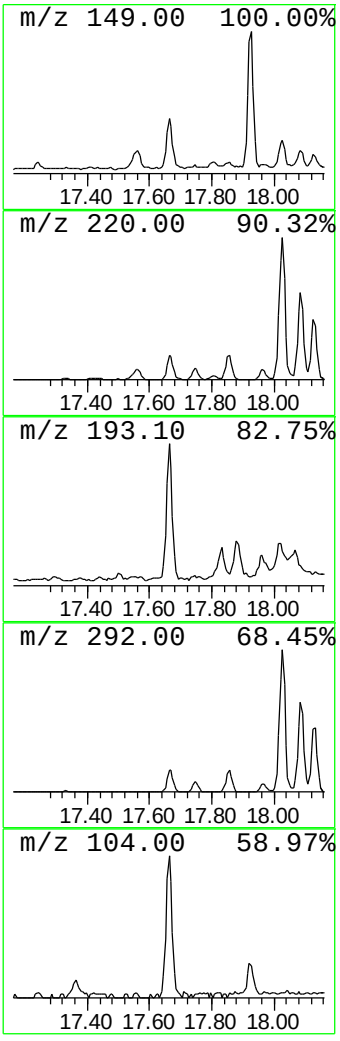
****

Peak Number 5 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	4.99 ng/ul	480845	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96
2	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	96
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	94
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	93





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Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

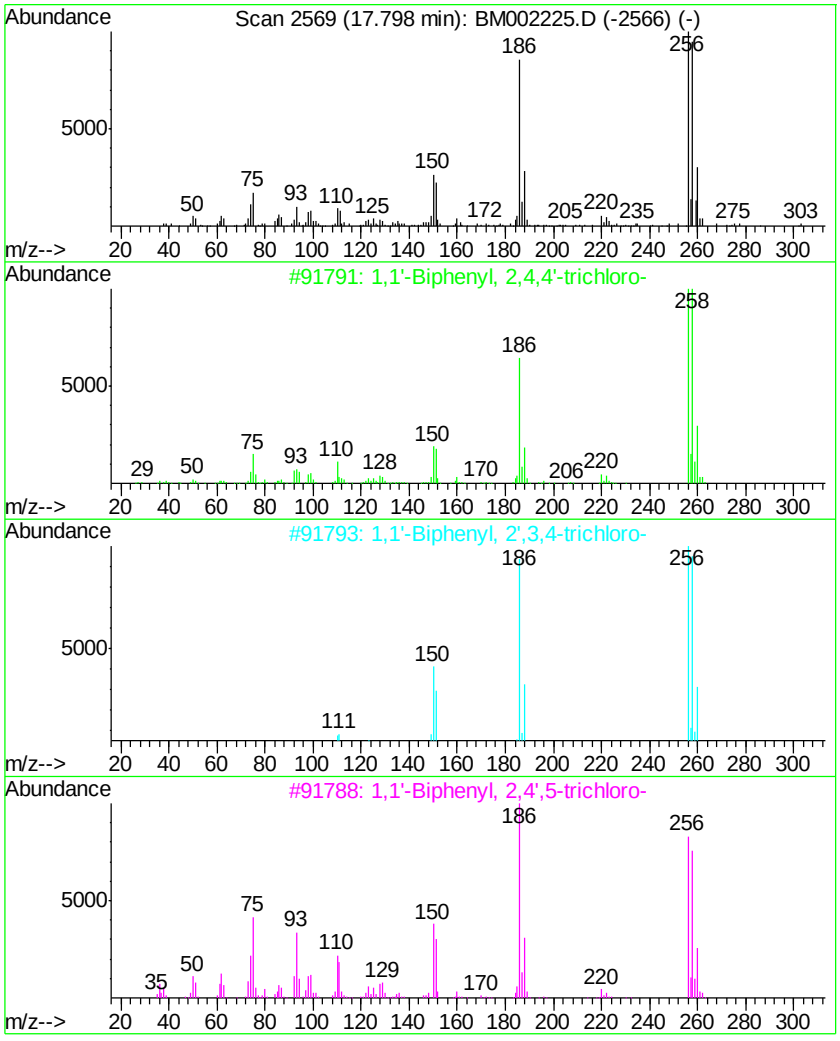
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

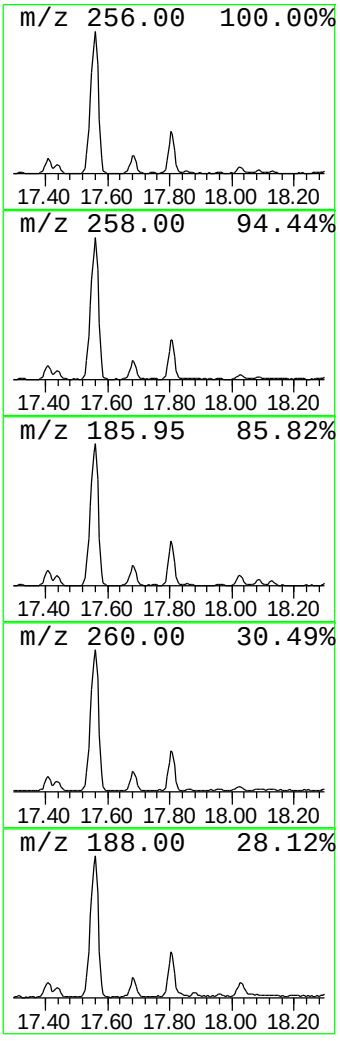
****

Peak Number 6 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	4.19 ng/ul	403877	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	98
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95





Library Search Compound Report

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Data File : BM002225.D
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Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

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Quant Title : SVOA CALIBRATION

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

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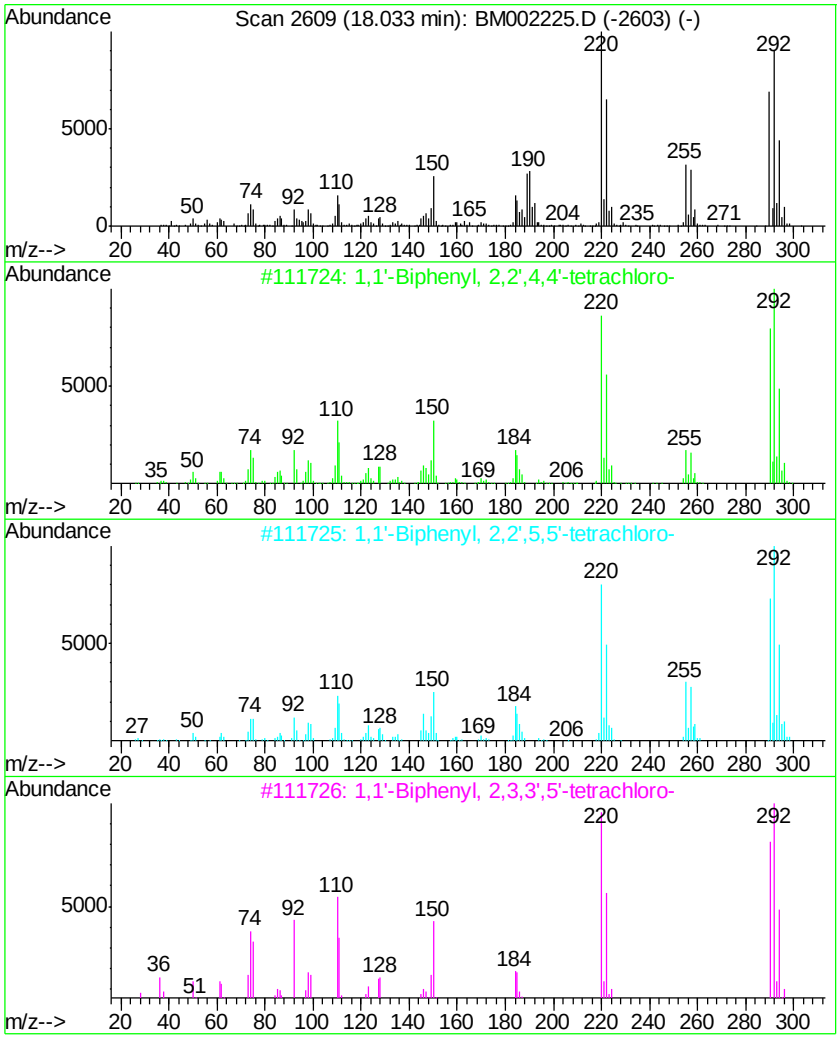
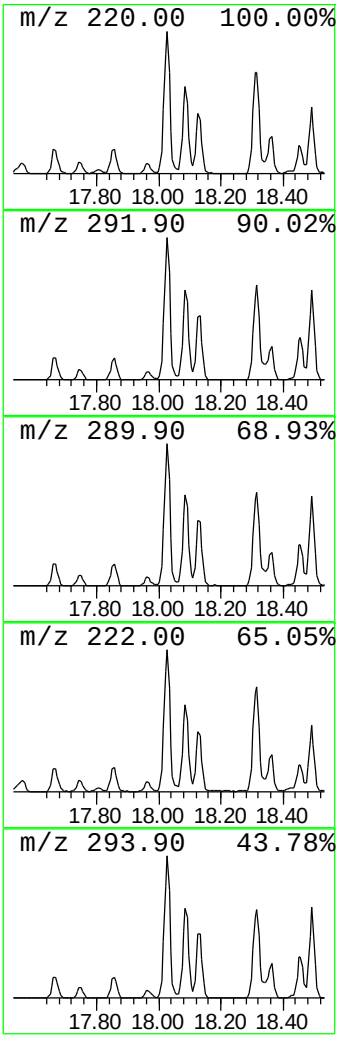
Peak Number 7 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	13.69 ng/ul	1320110	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

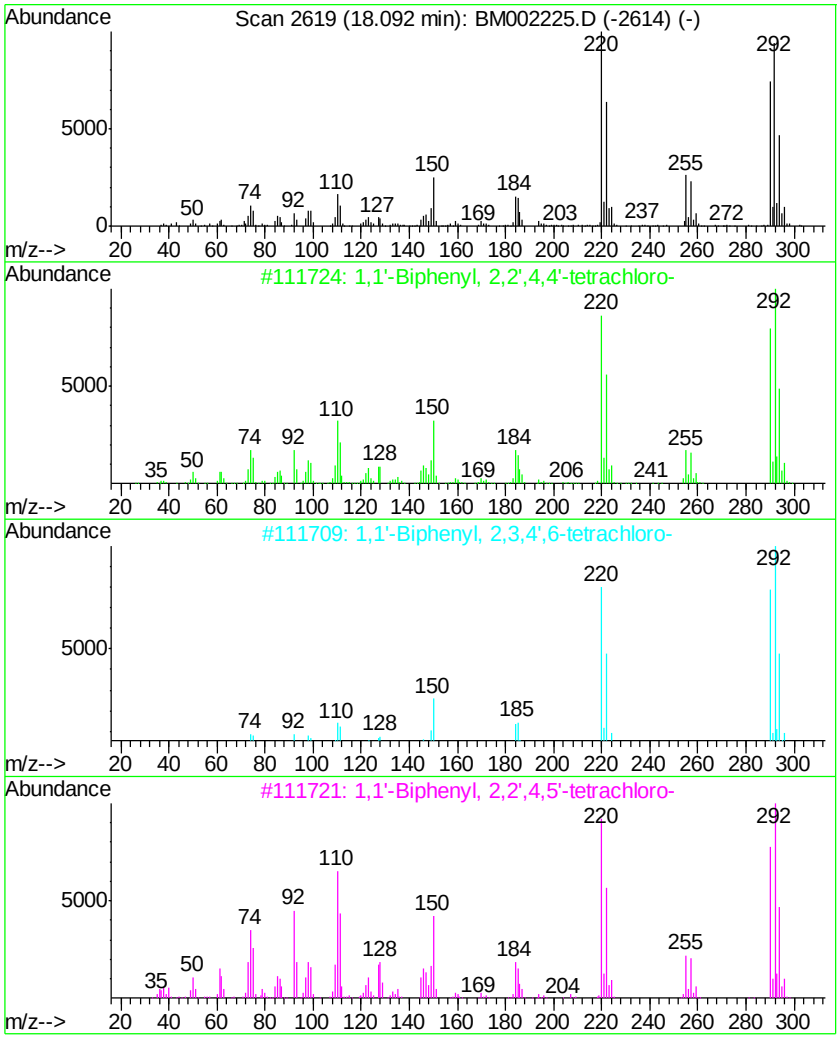
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

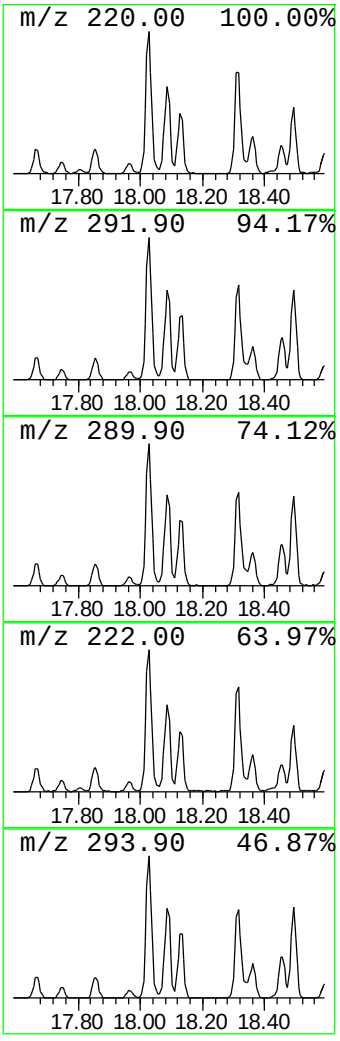
****

Peak Number 8 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	7.65 ng/ul	738000	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





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Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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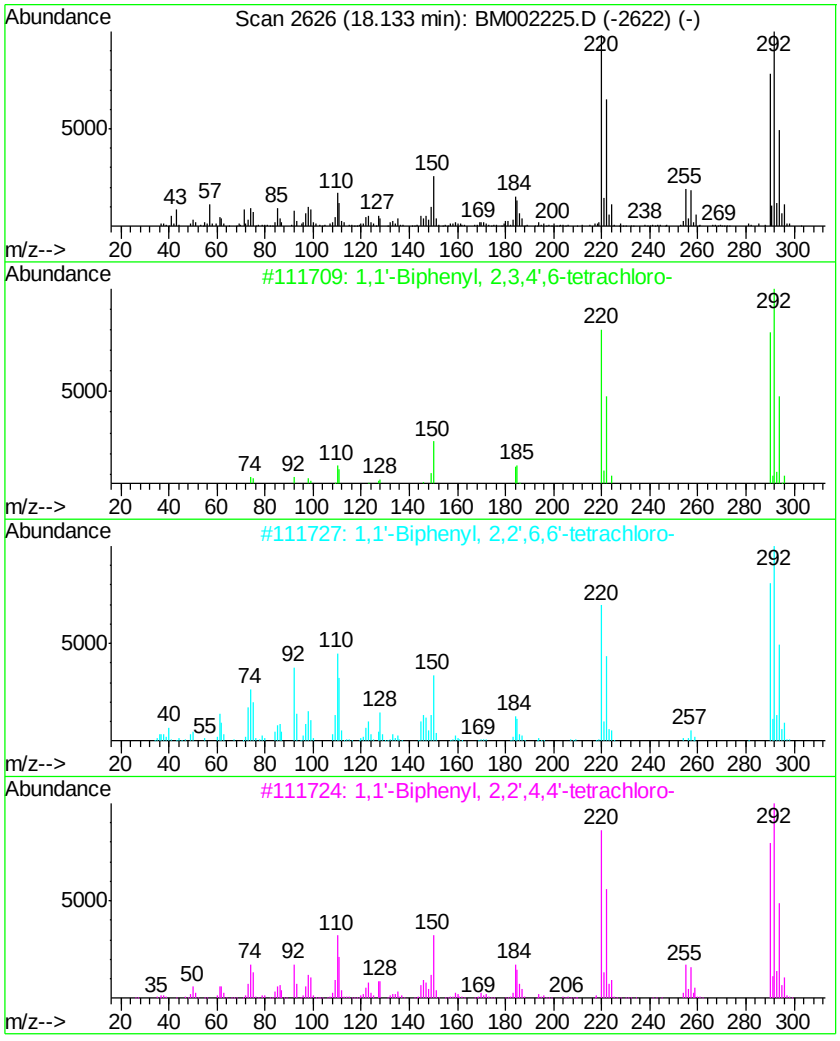
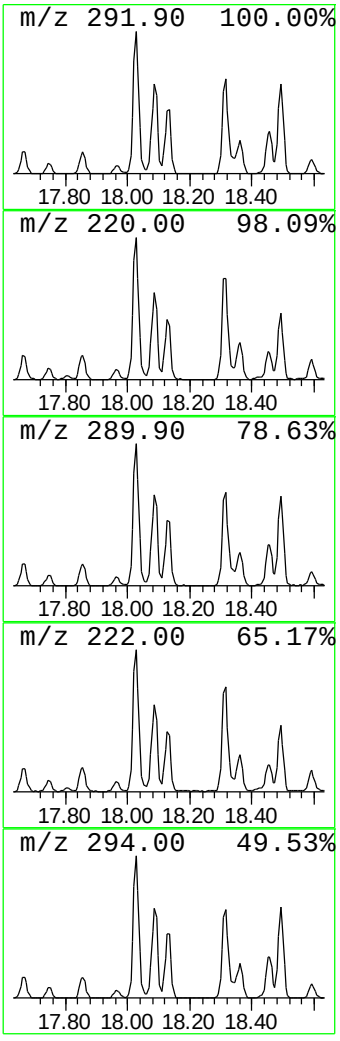
Peak Number 9 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.27 ng/ul	508475	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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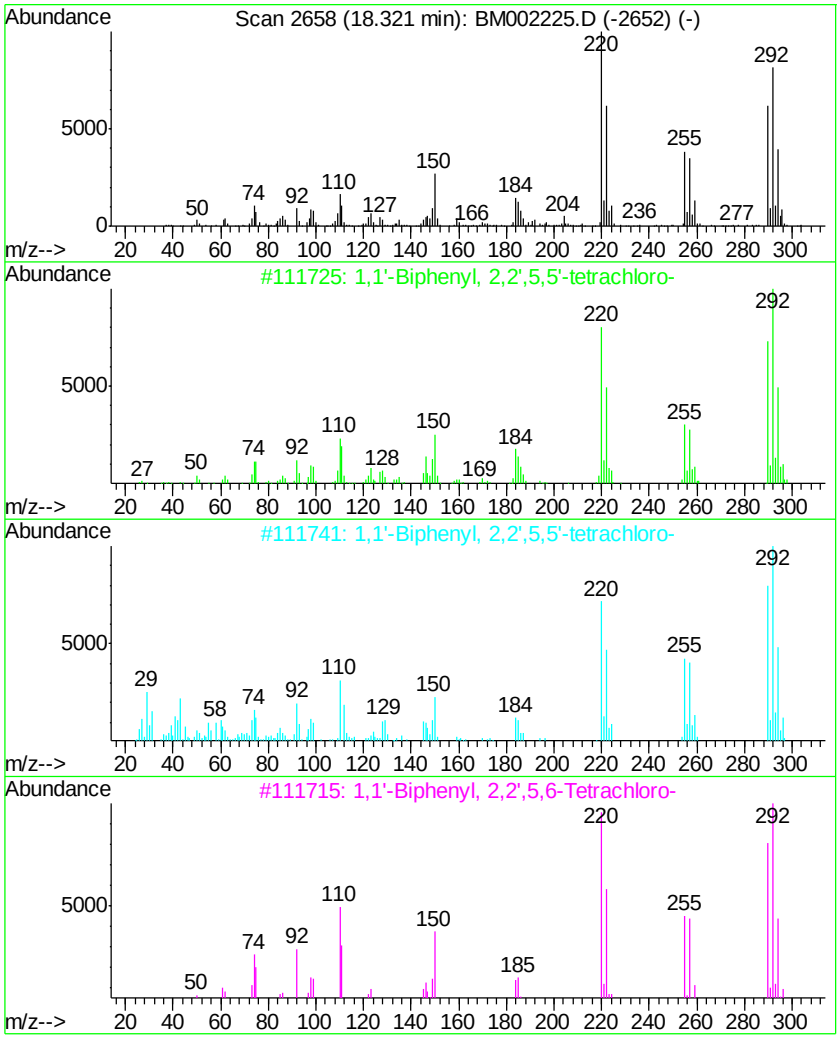
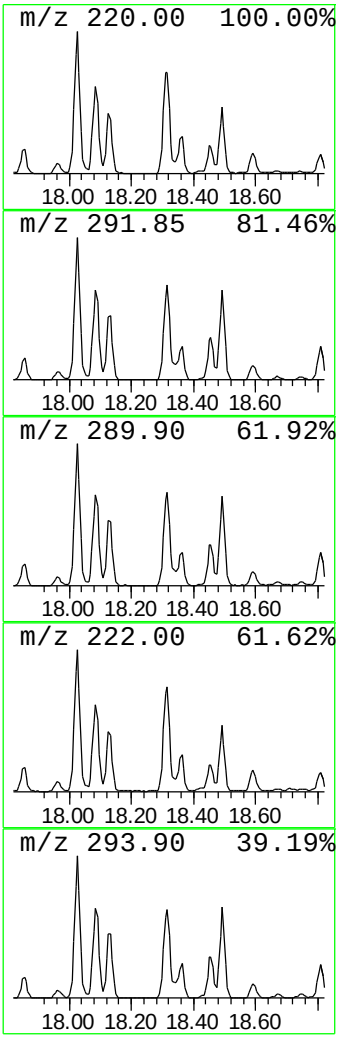
Peak Number 10 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	9.70 ng/ul	935389	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





Library Search Compound Report

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Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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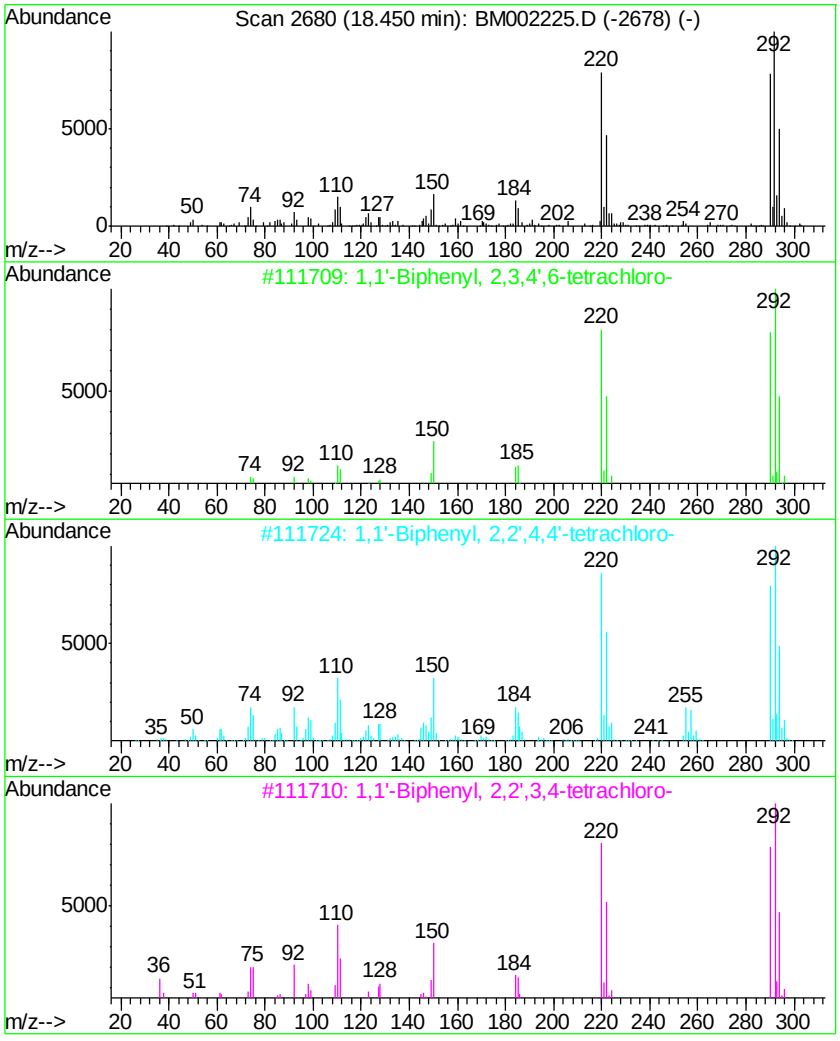
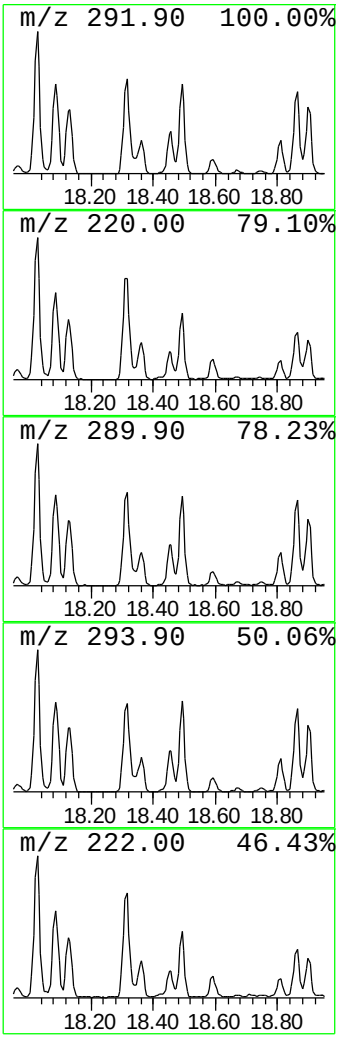
Peak Number 12 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.16 ng/ul	208521	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





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Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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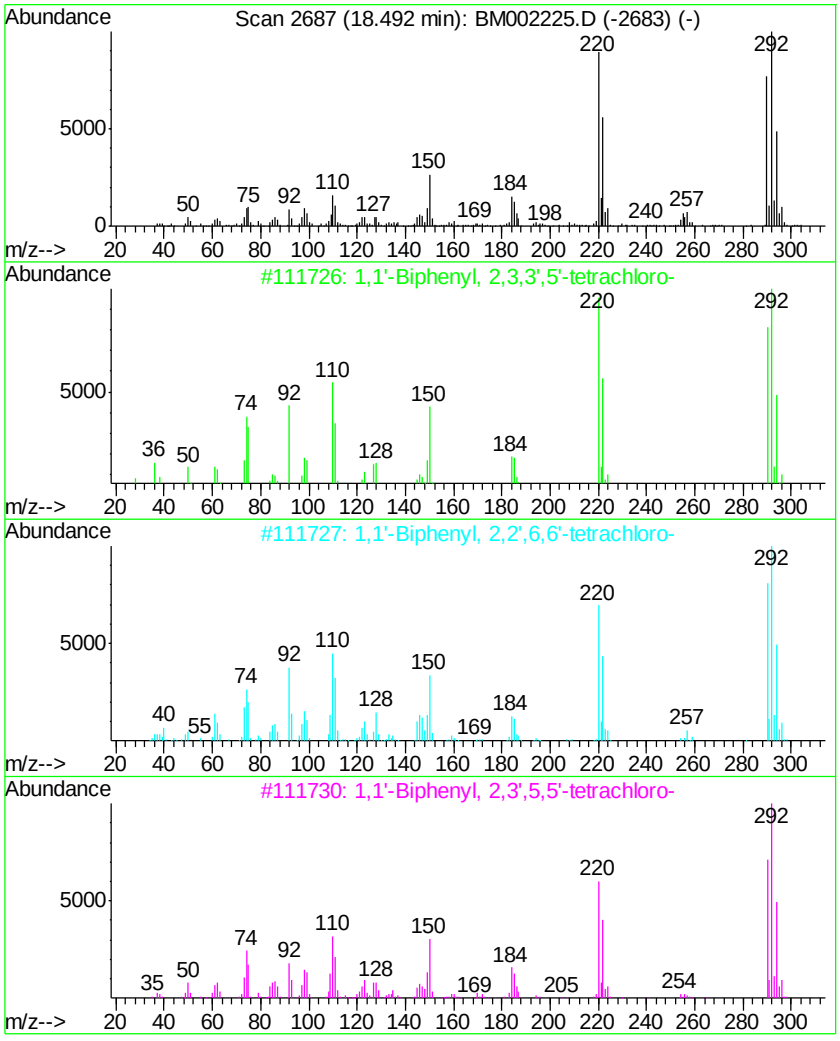
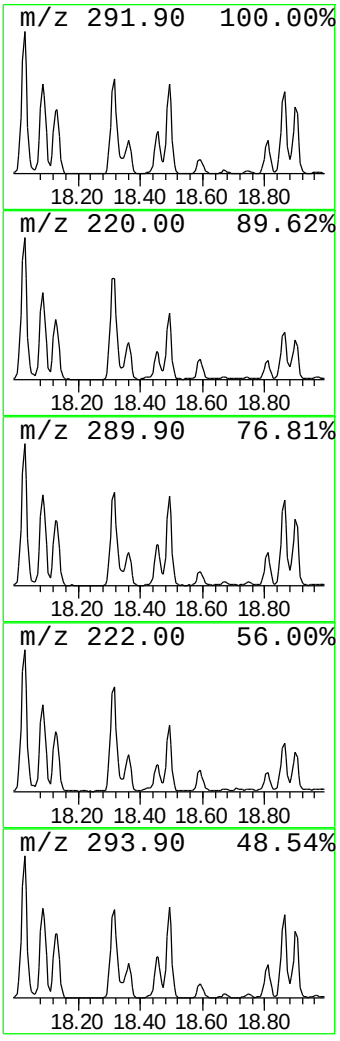
Peak Number 13 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.07 ng/ul	489039	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	98
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	97
5	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	96





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Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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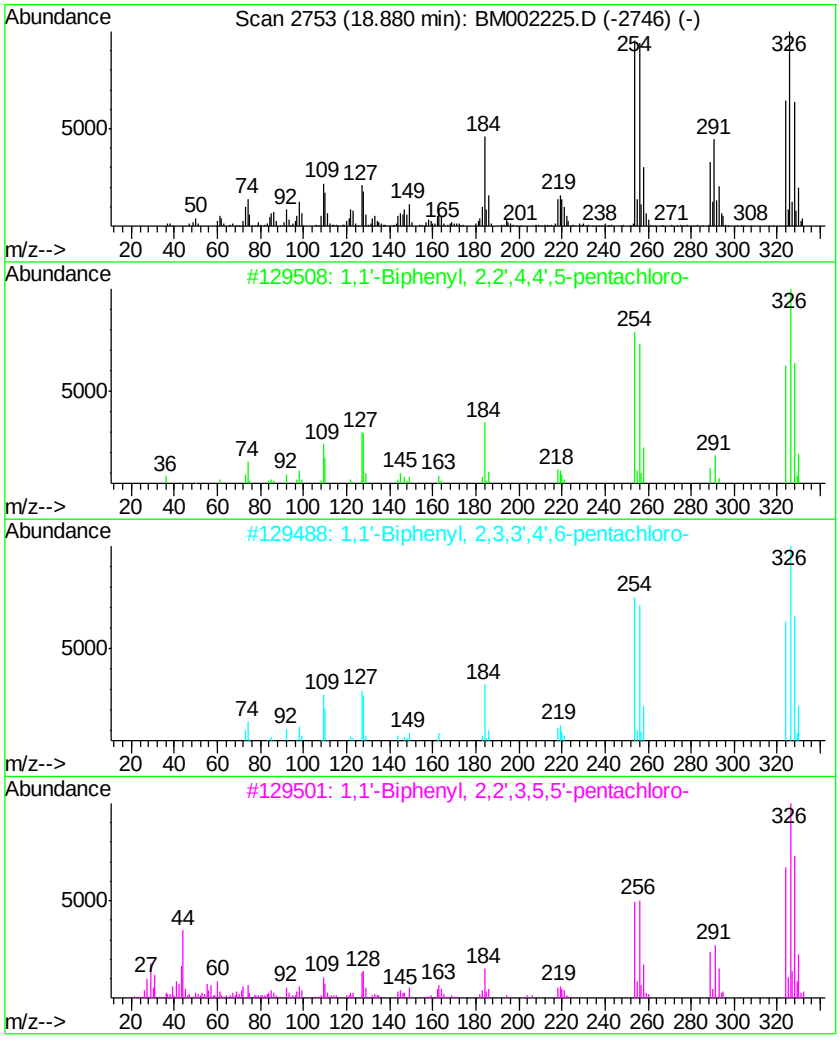
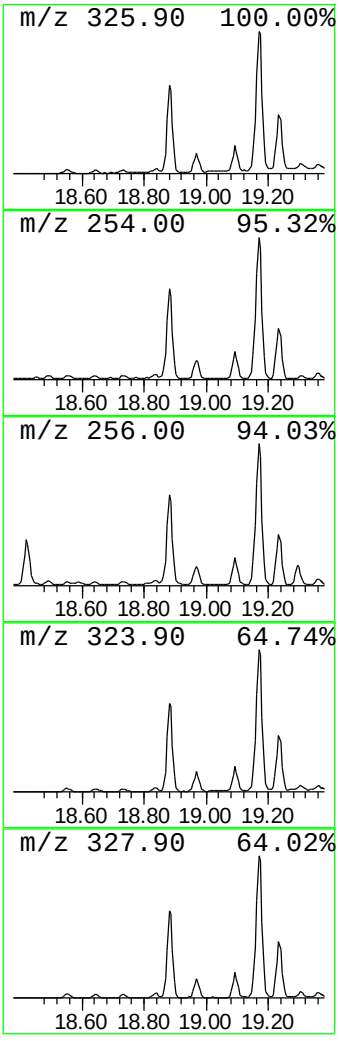
Peak Number 14 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	15.70 ng/ul	1514070	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
5	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	98





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Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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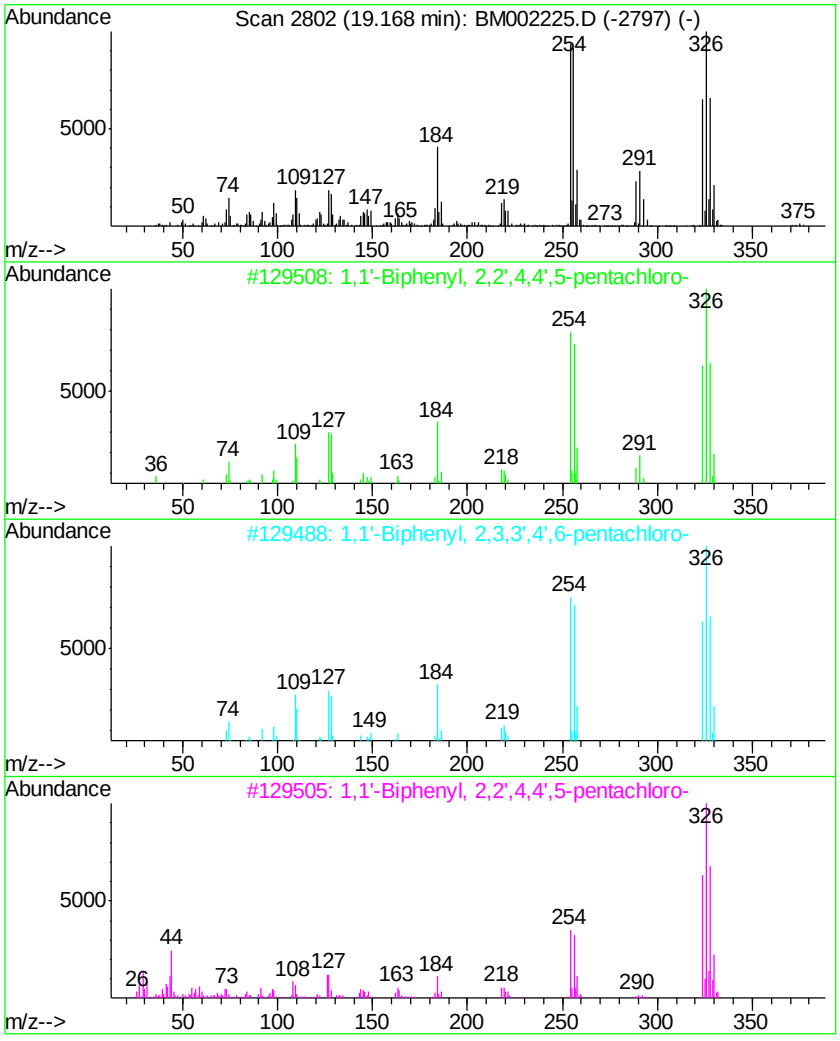
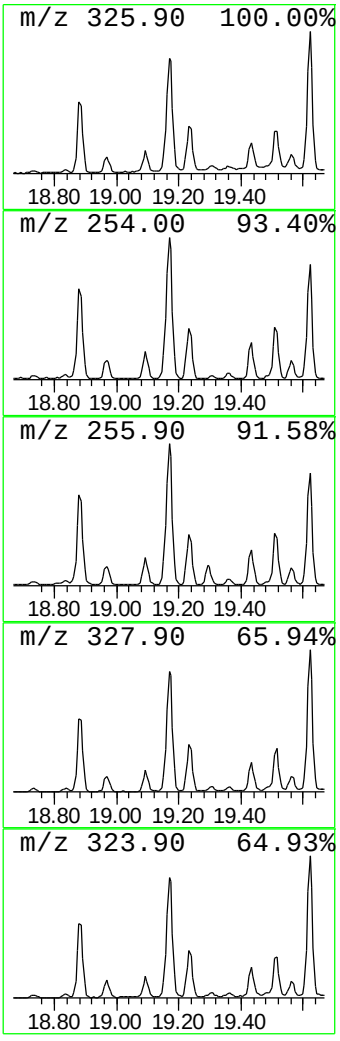
Peak Number 15 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	7.46 ng/ul	1301170	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	98
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95





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Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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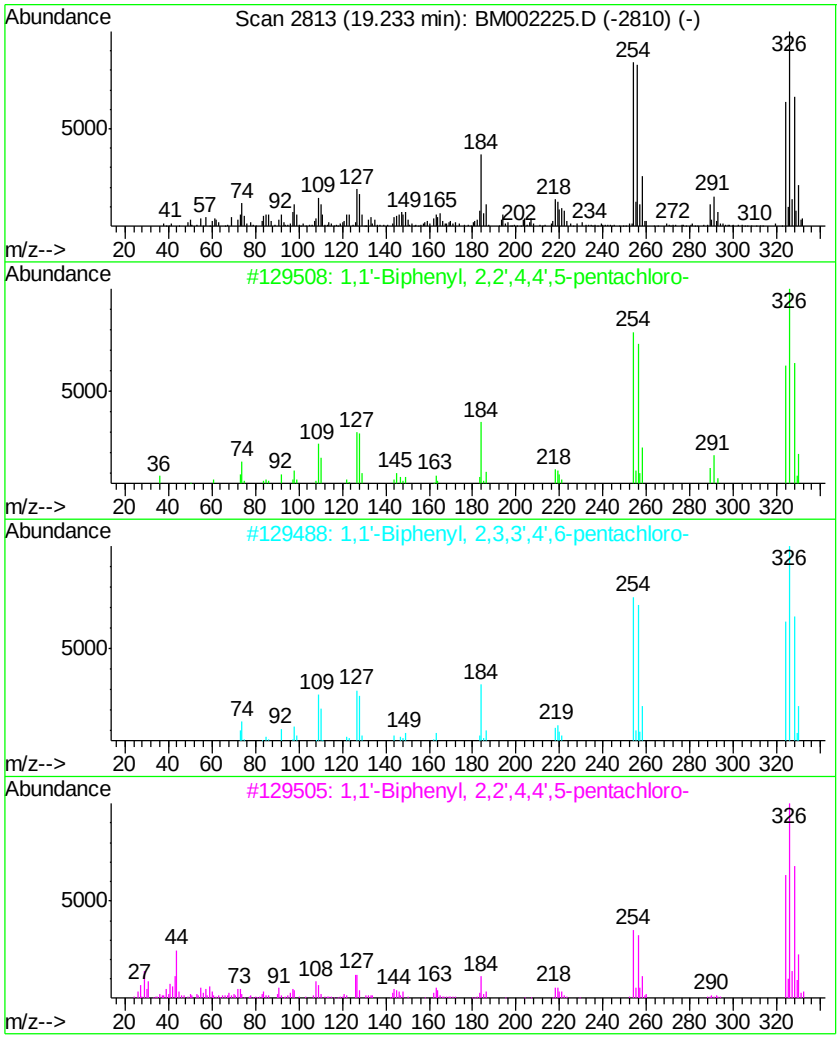
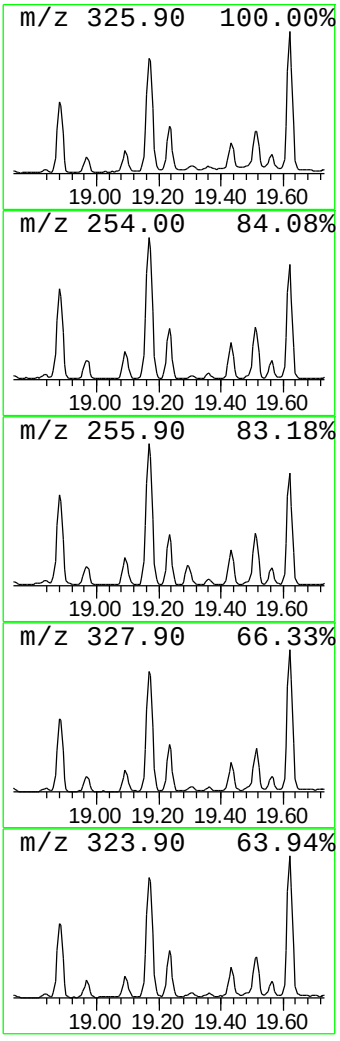
Peak Number 16 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.09 ng/ul	364777	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	97
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
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Acq On : 05 Aug 2015 00:31
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Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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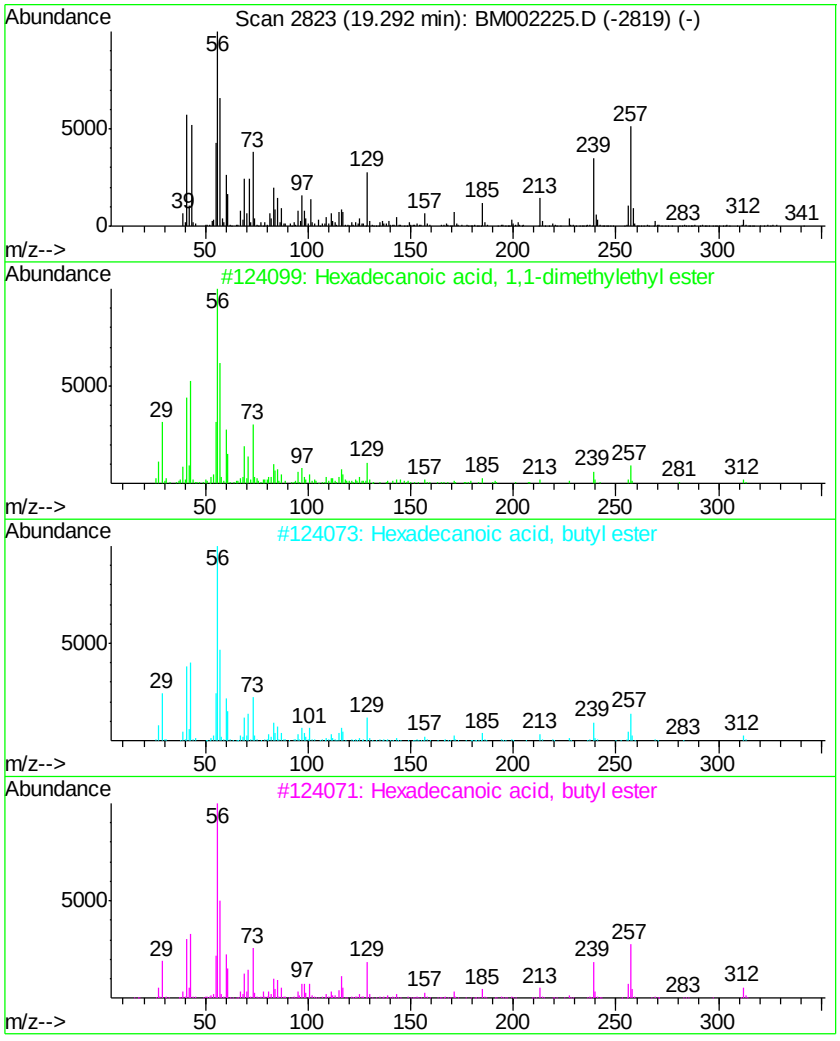
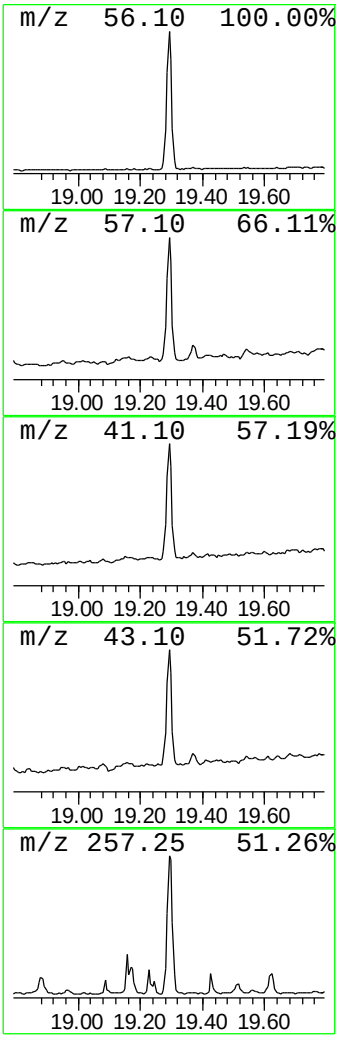
Peak Number 17 Hexadecanoic acid, 1,1-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	6.46 ng/ul	1126390	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	93
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	92
3	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
4	Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	89
5	Nordextromethorphan	257	C17H23NO	051195-74-5	50





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Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

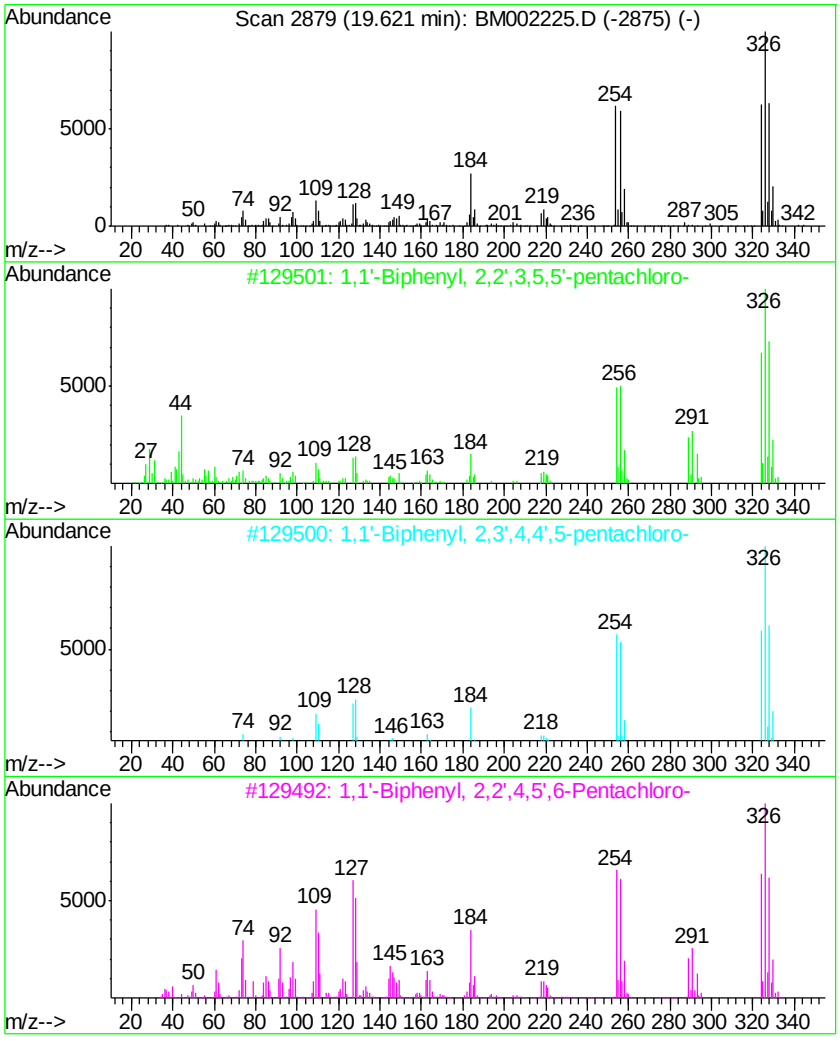
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

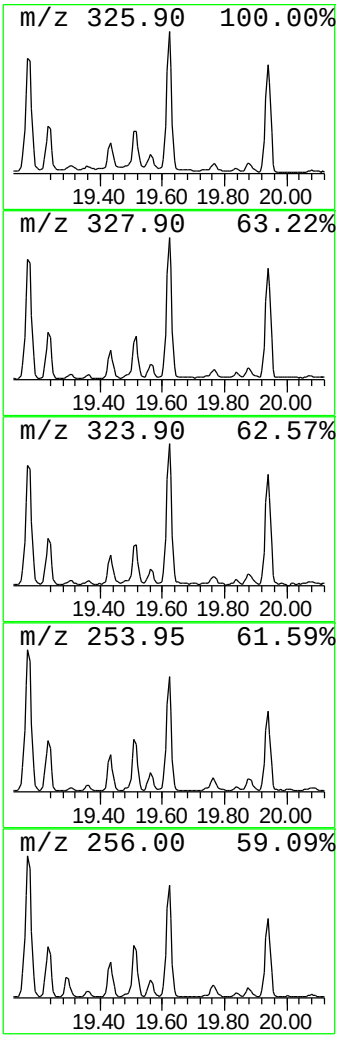
****

Peak Number 18 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	5.59 ng/ul	975189	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
3	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95





Library Search Compound Report

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Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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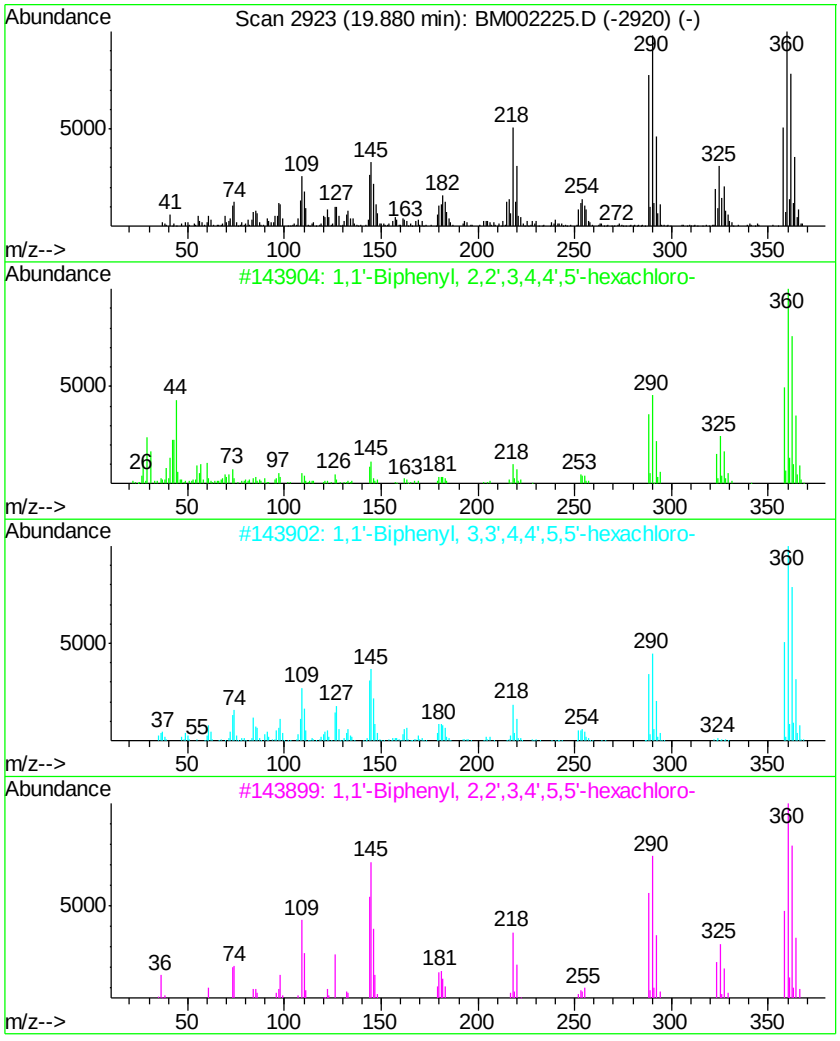
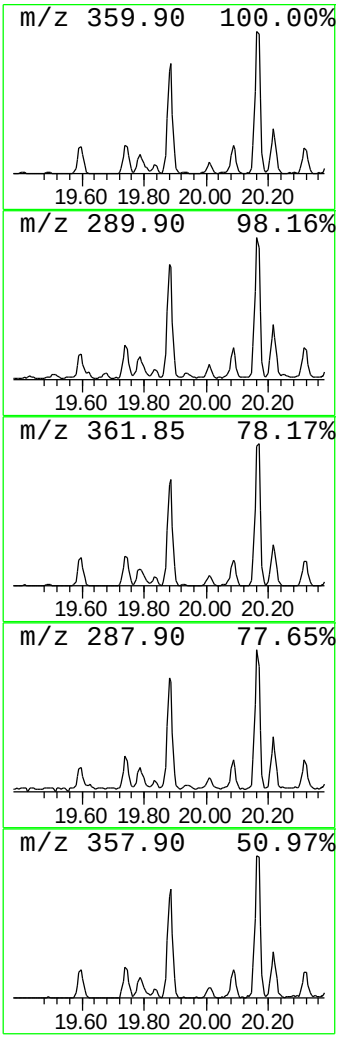
Peak Number 19 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	4.73 ng/ul	825371	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





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Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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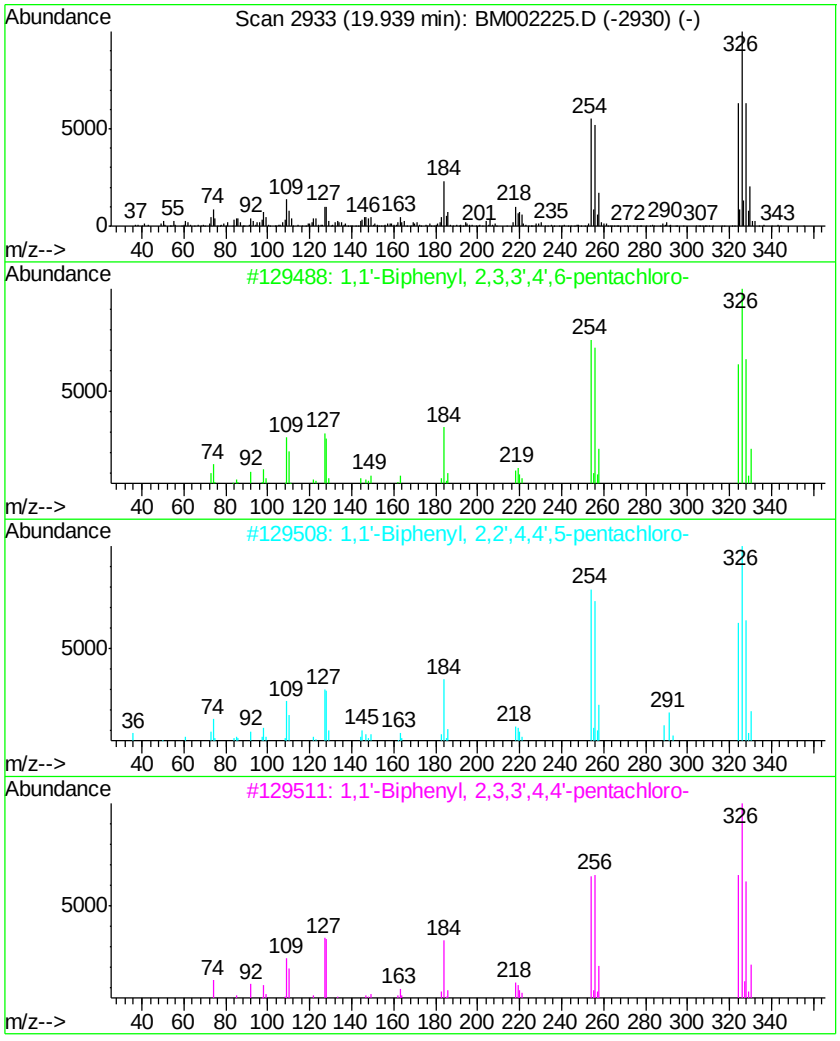
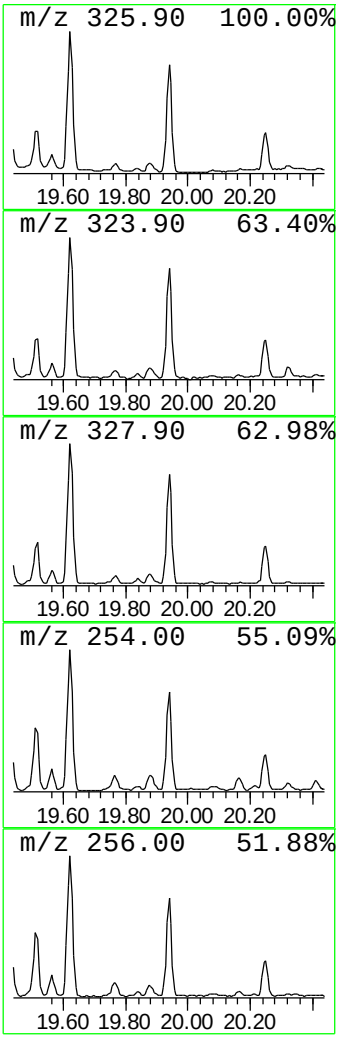
Peak Number 20 1,1'-Biphenyl, 2,3',4,5',6-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.62 ng/ul	632295	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
4	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
5	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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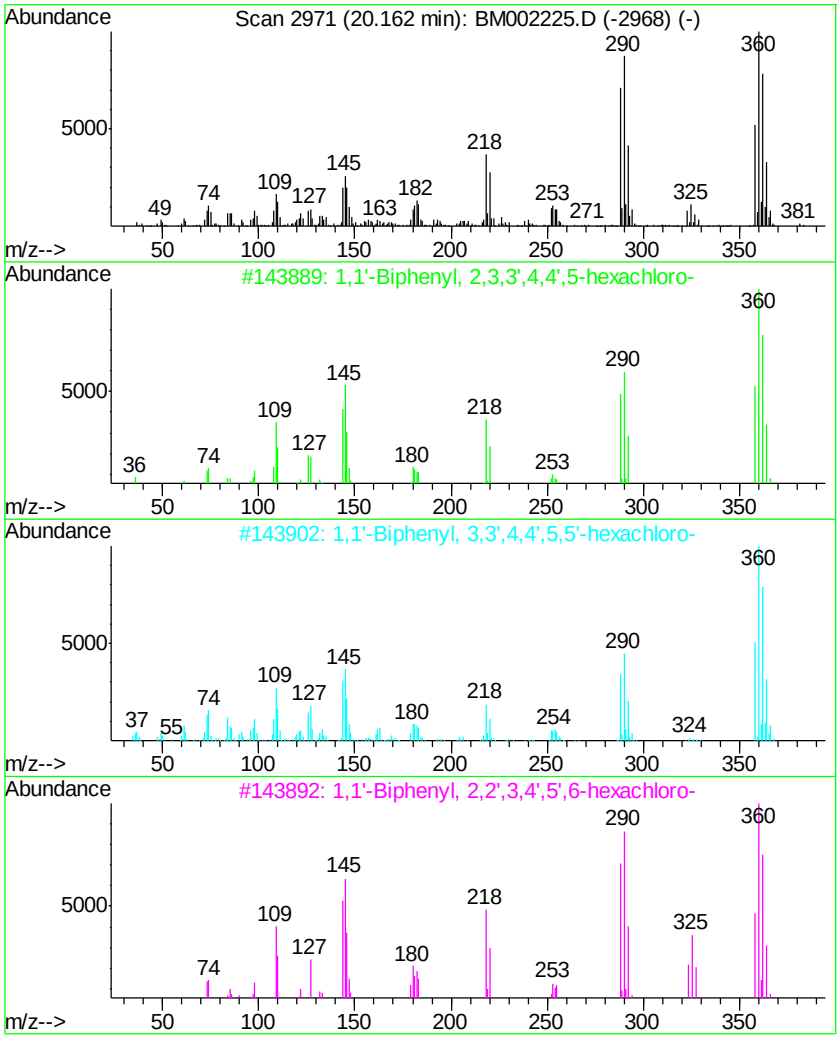
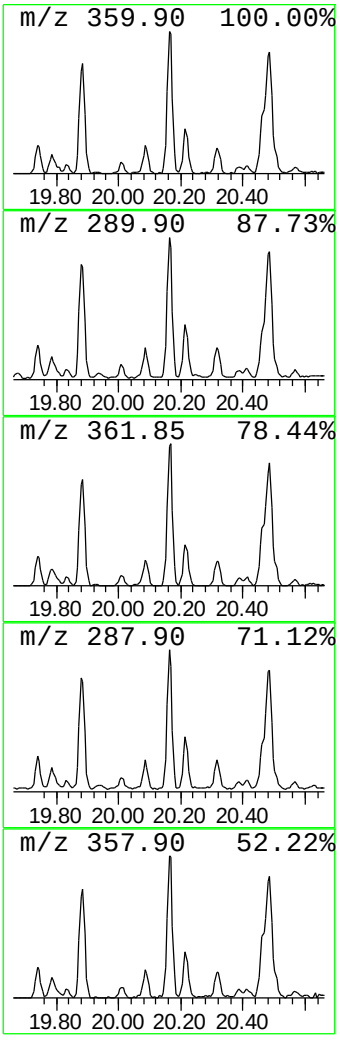
Peak Number 21 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	4.03 ng/ul	702294	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	95
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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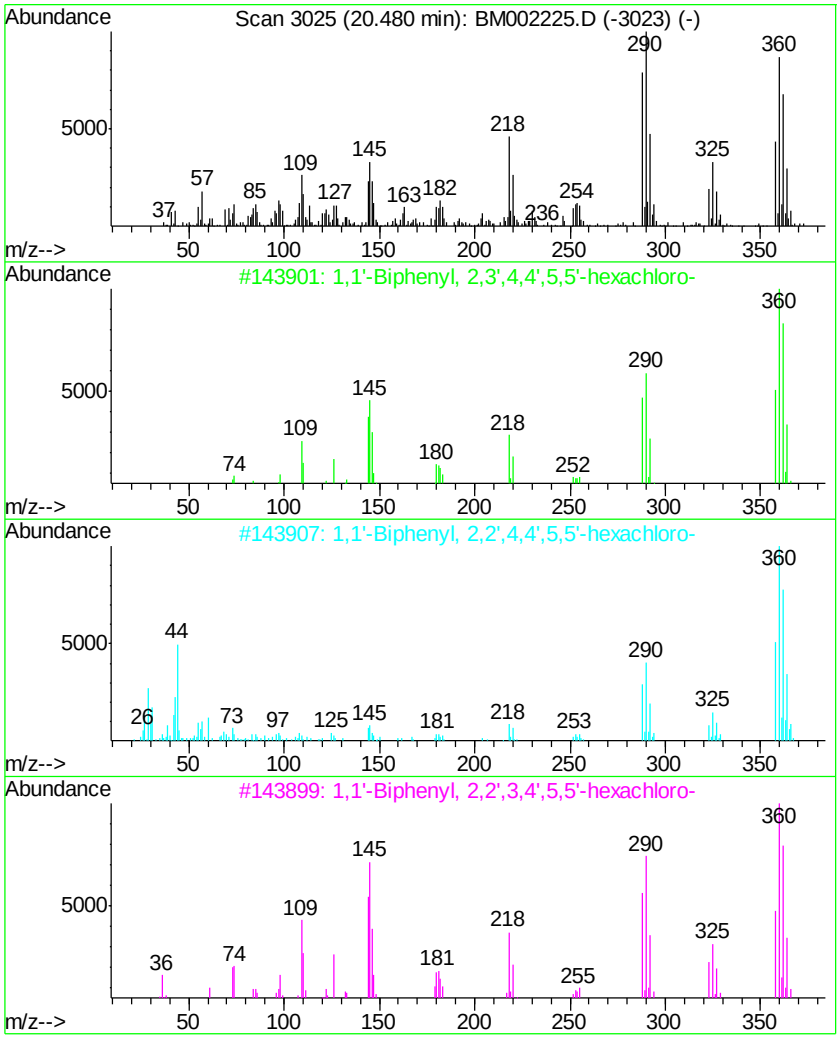
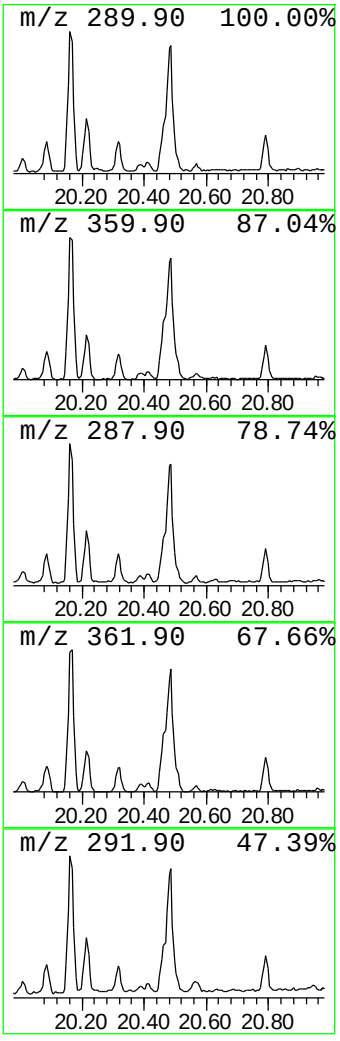
Peak Number 22 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.48	3.93 ng/ul	686322	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
2	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	96
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	95
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	95
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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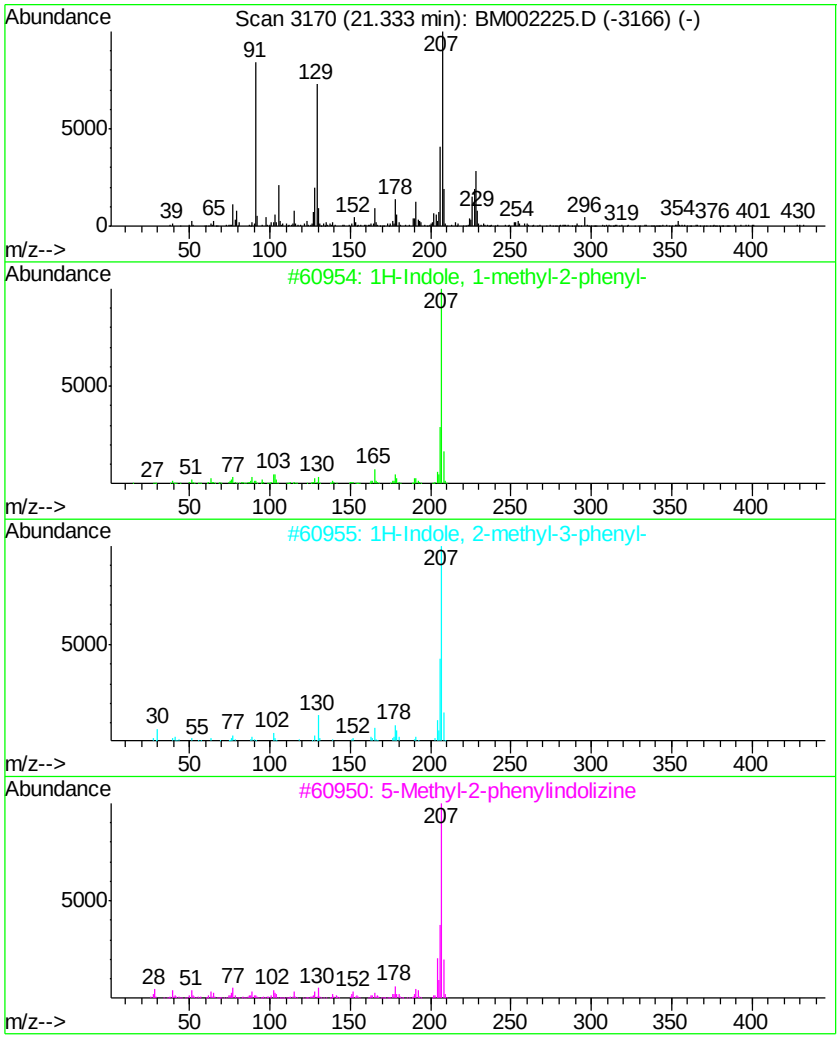
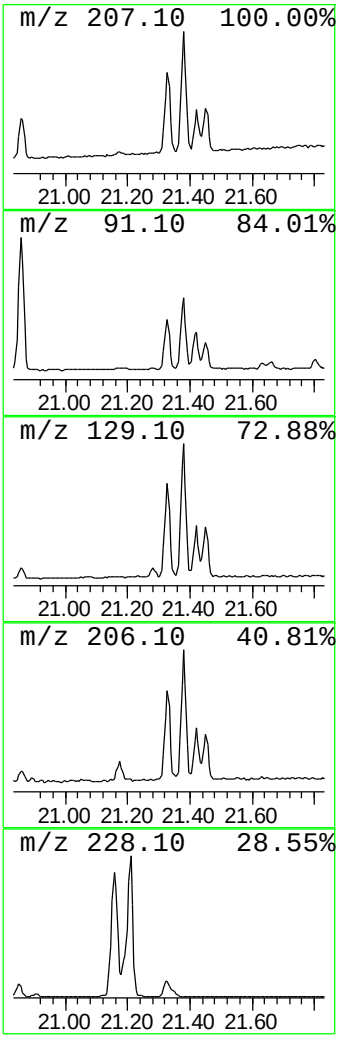
Peak Number 24 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	3.25 ng/ul	566212	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46
2	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	41
3	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	38
4	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	38
5	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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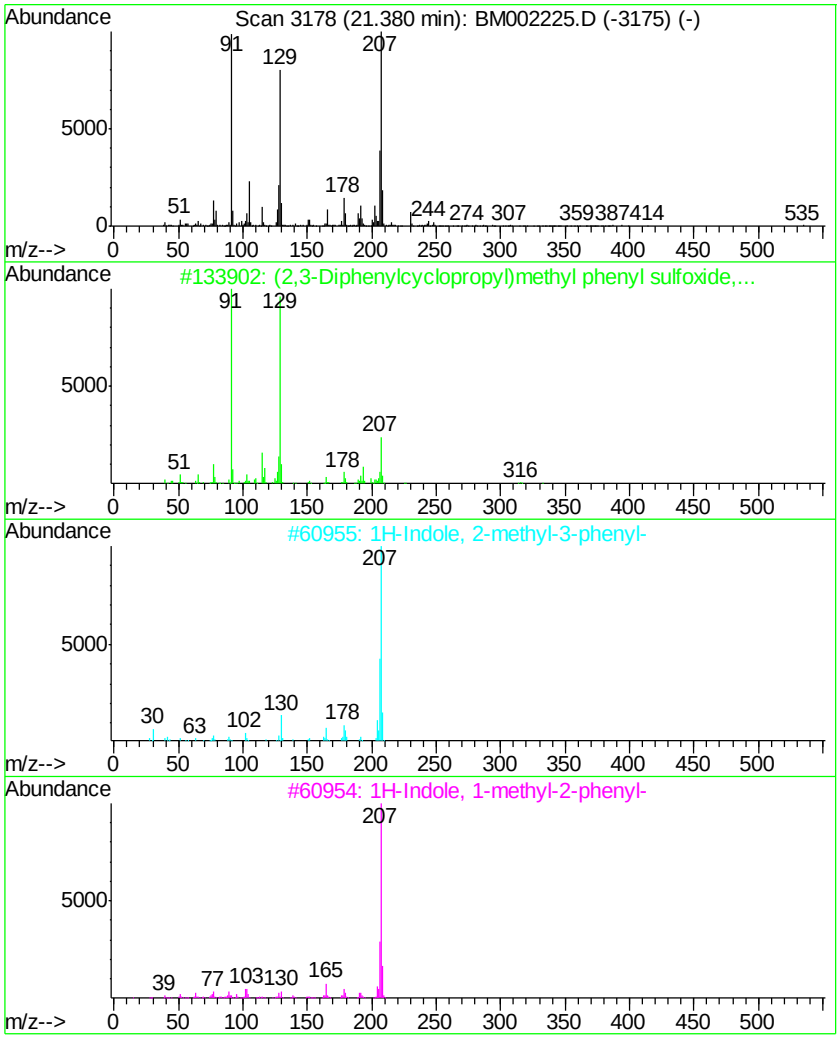
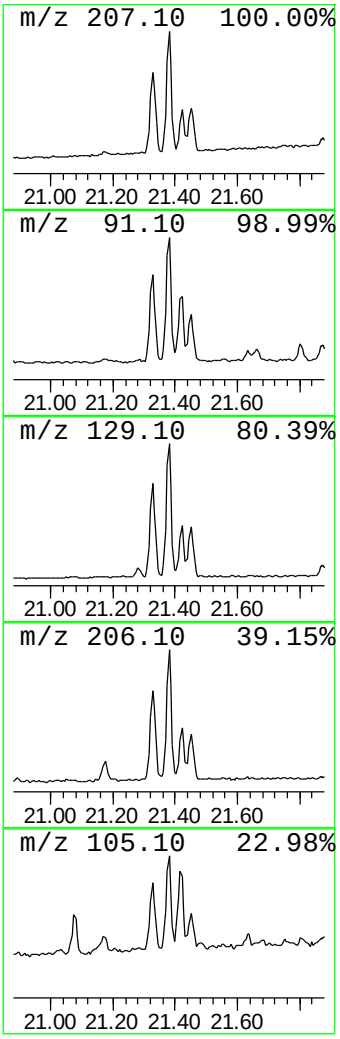
Peak Number 25 (2,3-Diphenylcyclopropyl)me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	3.96 ng/ul	691530	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	50
2	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	45
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	43
4	Methadone N-oxide	325	C21H27NO2	1000120-80-7	42
5	6-Methyl-5-[1-piperidinyl]-2,4-p...	207	C10H17N5	164589-37-1	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002225.D
Acq On : 05 Aug 2015 00:31
Operator : TP/UM
Sample : G3095-05RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01R4RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA 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
Bicyclo[4.2.0]oct...	5.51	2.6	ng/ul	117451	1	7.52	916972	20.0
1,1'-Biphenyl, 2,...	16.48	2.4	ng/ul	235739	4	16.96	1928670	20.0
1,1'-Biphenyl, 2'...	16.83	2.8	ng/ul	267919	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	17.56	16.0	ng/ul	1541310	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	17.66	5.0	ng/ul	480845	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	17.80	4.2	ng/ul	403877	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.03	13.7	ng/ul	1320110	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.09	7.7	ng/ul	738000	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.13	5.3	ng/ul	508475	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.32	9.7	ng/ul	935389	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.45	2.2	ng/ul	208521	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.49	5.1	ng/ul	489039	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	18.88	15.7	ng/ul	1514070	4	16.96	1928670	20.0
1,1'-Biphenyl, 2,...	19.17	7.5	ng/ul	1301170	5	21.17	3489660	20.0
1,1'-Biphenyl, 2,...	19.23	2.1	ng/ul	364777	5	21.17	3489660	20.0
Hexadecanoic acid...	19.29	6.5	ng/ul	1126390	5	21.17	3489660	20.0
1,1'-Biphenyl, 2,...	19.62	5.6	ng/ul	975189	5	21.17	3489660	20.0
1,1'-Biphenyl, 2,...	19.88	4.7	ng/ul	825371	5	21.17	3489660	20.0
1,1'-Biphenyl, 2,...	19.94	3.6	ng/ul	632295	5	21.17	3489660	20.0
1,1'-Biphenyl, 2,...	20.16	4.0	ng/ul	702294	5	21.17	3489660	20.0
1,1'-Biphenyl, 2,...	20.48	3.9	ng/ul	686322	5	21.17	3489660	20.0
unknown-01	21.33	3.3	ng/ul	566212	5	21.17	3489660	20.0
(2,3-Diphenylcycl...	21.38	4.0	ng/ul	691530	5	21.17	3489660	20.0