LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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-BM072715.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	6.769	689	694	698	rVV	434897	709690	4.24%	0.312%
2	6.928	714	721	726	rBV	319061	488543	2.92%	0.215%
3	7.122	748	754	761	rVV	474056	723143	4.32%	0.318%
4	7.234	761	773	780	rVV	467791	754609	4.50%	0.332%
5	7.587	822	833	846	rBV	568615	952570	5.69%	0.419%
6	8.304	949	955	963	rVV	542038	869232	5.19%	0.383%
7	8.751	1025	1031	1037	rVV	425823	711352	4.25%	0.313%
8	9.469	1144	1153	1164	rBV	375675	648715	3.87%	0.286%
9	10.004	1238	1244	1252	rVB	588430	973666	5.81%	0.429%
10	10.375	1296	1307	1312	rBV	757168	1343646	8.02%	0.592%
11	10.428	1312	1316	1322	rVB	288494	460123	2.75%	0.203%
12	10.528	1322	1333	1347	rBV	262912	490014	2.92%	0.216%
13	13.669	1862	1867	1871	rVV	899570	1282358	7.65%	0.565%
14	13.716	1871	1875	1881	rVV	396766	547905	3.27%	0.241%
15	13.945	1908	1914	1926	rBV	909125	1526554	9.11%	0.672%
16	14.257	1954	1967	1973	rBV2	1062836	1760853	10.51%	0.775%
17	14.316	1973	1977	1985	rVV	470699	696491	4.16%	0.307%
18	14.480	1998	2005	2013	rBV2	320376	517586	3.09%	0.228%
19	14.651	2029	2034	2043	rVV	290575	524360	3.13%	0.231%
20	15.251	2130	2136	2141	rBV	1055155	1454853	8.68%	0.640%
21	15.310	2141	2146	2150	rBV	454409	643464	3.84%	0.283%
22	15.515	2176	2181	2185	rVV	576357	780046	4.66%	0.343%
23	16.539	2348	2355	2359	rBV2	424004	690966	4.12%	0.304%
24	16.821	2399	2403	2410	rVV	296489	472066	2.82%	0.208%
25	16.921	2417	2420	2425	rVB	495313	640105	3.82%	0.282%
26	17.009	2429	2435	2438	rBV	1152662	1984057	11.84%	0.873%
27	17.057	2438	2443	2448	rVV	4640965	6883807	41.08%	3.031%
28	17.109	2448	2452	2455	rVV	1103097	1616110	9.65%	0.711%
29	17.145	2455	2458	2461	rVV	1255447	1552510	9.27%	0.683%
30	17.186	2461	2465	2471	rVB3	369982	627337	3.74%	0.276%
31	17.415	2496	2504	2508	rBV	495538	752769	4.49%	0.331%
32	17.598	2530	2535	2542	rVB3	484773	1017727	6.07%	0.448%
33	17.721	2551	2556	2562	rVB2	536162	798078	4.76%	0.351%
34	17.798	2565	2569	2575	rVV2	333201	469229	2.80%	0.207%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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-BM072715.M
Title : SVOA CALIBRATION

35	17.880	2576	2583	2586	rVV	605347	1074986	6.42%	0.473%
36	17.927	2586	2591	2596	rVV	871310	1681916	10.04%	0.740%
37	18.015	2602	2606	2611	rVV2	417109	689684	4.12%	0.304%
38	18.080	2611	2617	2621	rVV2	2827164	4189976	25.01%	1.845%
39	18.139	2621	2627	2630	rVV2	1128675	1887672	11.27%	0.831%
40	18.180	2630	2634	2640	rVB2	947036	1299708	7.76%	0.572%
41	18.362	2661	2665	2668	rBV	705245	1038686	6.20%	0.457%
42	18.433	2675	2677	2681	rVB	318424	354666	2.12%	0.156%
43	18.503	2686	2689	2692	rVV2	299090	371847	2.22%	0.164%
44	18.803	2736	2740	2744	rBV	262274	462707	2.76%	0.204%
45	18.862	2747	2750	2754	rVV4	252085	428557	2.56%	0.189%
46	18.939	2754	2763	2773	rVB3	3362640	6267325	37.40%	2.759%
47	19.021	2773	2777	2781	rVB2	327321	403431	2.41%	0.178%
48	19.086	2781	2788	2793	rBV	6917050	10055163	60.01%	4.427%
49	19.145	2793	2798	2802	rBV4	820163	1300641	7.76%	0.573%
50	19.227	2806	2812	2817	rVB	4392162	5773993	34.46%	2.542%
51	19.286	2818	2822	2826	rBV2	916420	1119416	6.68%	0.493%
52	19.421	2839	2845	2847	rBV3	2400647	3944794	23.54%	1.737%
53	19.456	2847	2851	2858	rVV	5921487	8722906	52.06%	3.840%
54	19.562	2865	2869	2873	rVB	930984	1104503	6.59%	0.486%
55	19.621	2874	2879	2880	rBV2	483542	664507	3.97%	0.293%
56	19.650	2880	2884	2885	rVV	1081906	1427810	8.52%	0.629%
57	19.674	2885	2888	2895	rVB2	2902929	3677516	21.95%	1.619%
58	19.792	2899	2908	2912	rBV4	2509178	3843786	22.94%	1.692%
59	19.839	2912	2916	2921	rVB3	788033	1249503	7.46%	0.550%
60	19.939	2927	2933	2938	rVB2	7319149	9592040	57.25%	4.223%
61	19.992	2938	2942	2947	rVB	1787194	2116459	12.63%	0.932%
62	20.050	2947	2952	2956	rBV	869761	1431759	8.54%	0.630%
63	20.103	2957	2961	2964	rVV2	540862	895423	5.34%	0.394%
64	20.139	2964	2967	2971	rVB2	1065091	1325186	7.91%	0.583%
65	20.221	2975	2981	2985	rVV	7416119	8984288	53.62%	3.955%
66	20.268	2985	2989	2992	rVV	2086902	2828898	16.88%	1.245%
67	20.297	2992	2994	3001	rVB3	885052	929722	5.55%	0.409%
68	20.374	3001	3007	3011	rBV2	2471099	3642330	21.74%	1.603%
69	20.415	3011	3014	3018	rVB	554985	581692	3.47%	0.256%
70	20.462	3019	3022	3025	rVB2	593581	655776	3.91%	0.289%
71	20.539	3026	3035	3040	rBV	5151469	9978243	59.55%	4.393%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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-BM072715.M
Title : SVOA CALIBRATION

72	20.580	3040	3042	3046	rVB2	526900	557876	3.33%	0.246%
73	20.680	3055	3059	3066	rVB2	3215501	4187832	24.99%	1.844%
74	20.745	3066	3070	3075	rVB2	1363980	1670979	9.97%	0.736%
75	20.839	3082	3086	3088	rBV	1008360	1263300	7.54%	0.556%
76	20.897	3093	3096	3099	rVV	1141070	1431031	8.54%	0.630%
77	20.950	3100	3105	3109	rVV2	3123540	4314922	25.75%	1.900%
78	21.003	3109	3114	3120	rVB3	1846225	2796118	16.69%	1.231%
79	21.062	3121	3124	3127	rBV	651739	774724	4.62%	0.341%
80	21.097	3127	3130	3132	rVV2	548054	673731	4.02%	0.297%
81	21.127	3132	3135	3138	rVB	847412	909569	5.43%	0.400%
82	21.162	3138	3141	3143	rBV2	369783	431612	2.58%	0.190%
83	21.209	3144	3149	3151	rVV	4382312	6683554	39.89%	2.942%
84	21.244	3151	3155	3162	rVB2	7424364	12772739	76.23%	5.623%
85	21.344	3169	3172	3175	rBV	775591	1030922	6.15%	0.454%
86	21.374	3175	3177	3183	rVB	737880	776989	4.64%	0.342%
87	21.544	3201	3206	3211	rBV3	2424616	3471635	20.72%	1.528%
88	21.603	3212	3216	3221	rVB2	979263	1382902	8.25%	0.609%
89	21.668	3223	3227	3230	rBV	1197516	1470808	8.78%	0.648%
90	21.709	3231	3234	3237	rVV2	499258	536371	3.20%	0.236%
91	21.791	3242	3248	3255	rVV	12313628	16755745	100.00%	7.377%
92	21.856	3256	3259	3265	rVB5	641062	1015712	6.06%	0.447%
93	22.227	3318	3322	3329	rVB7	947710	1711796	10.22%	0.754%
94	22.774	3407	3415	3419	rBV2	2229934	5511244	32.89%	2.426%
95	22.933	3439	3442	3446	rVB	446128	594555	3.55%	0.262%
96	23.238	3489	3494	3498	rBV	1211890	2227078	13.29%	0.980%
97	23.338	3506	3511	3519	rVB	2093170	3787775	22.61%	1.668%
98	23.427	3521	3526	3530	rVV	1055589	2001222	11.94%	0.881%
99	23.474	3531	3534	3541	rVB2	690956	1158175	6.91%	0.510%
100	25.650	3896	3904	3913	rVB	994825	2886918	17.23%	1.271%

Sum of corrected areas: 227149883

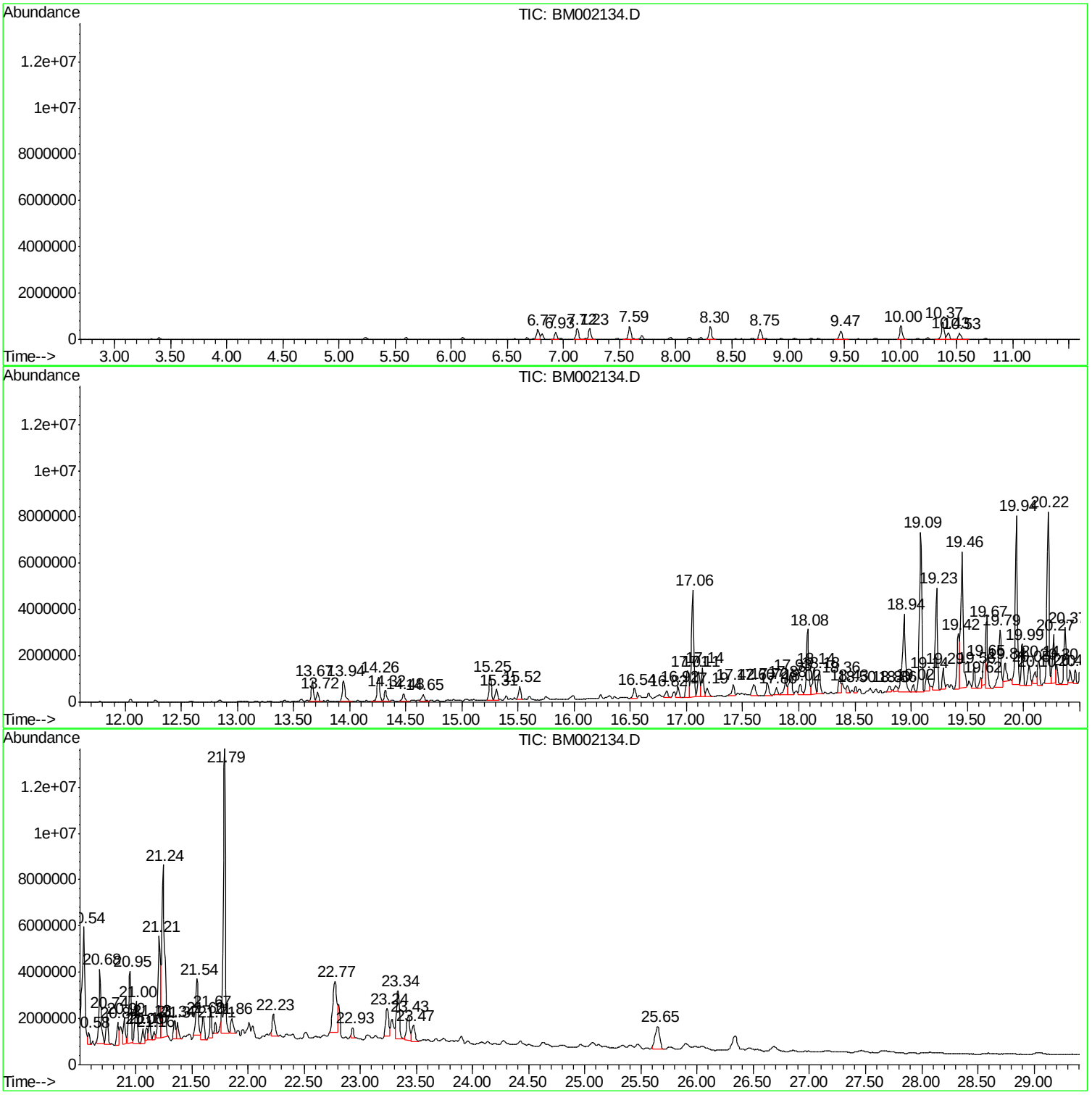
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

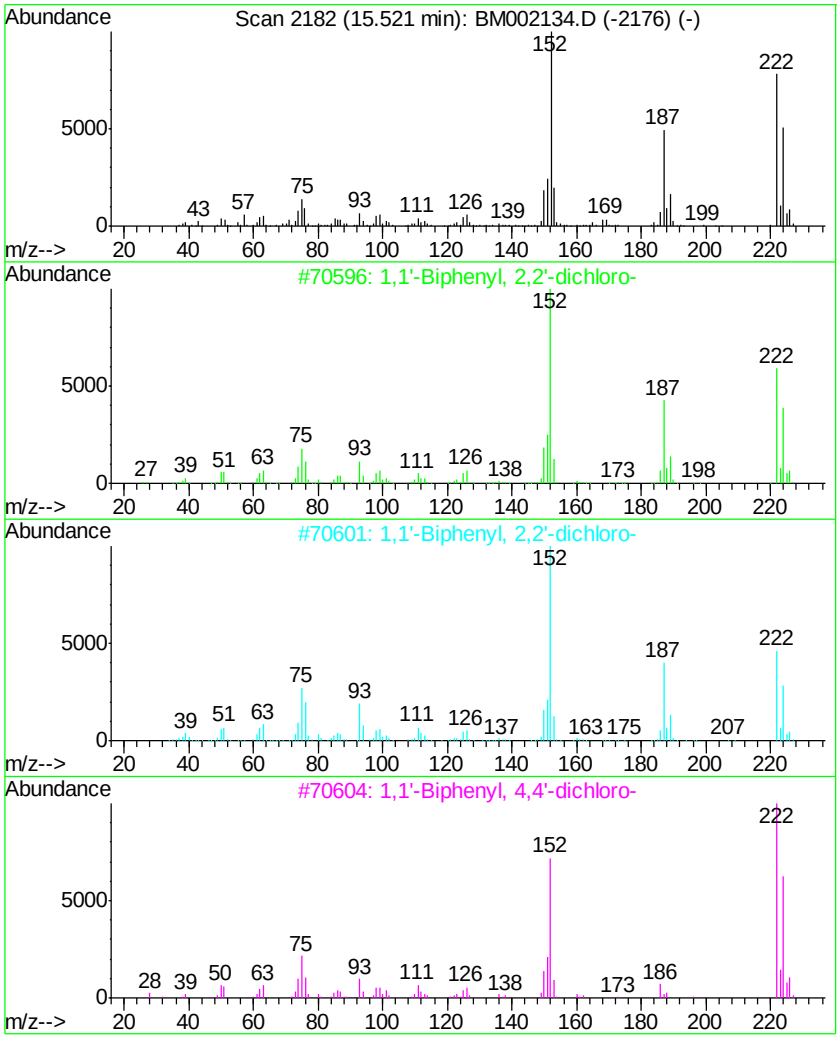
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

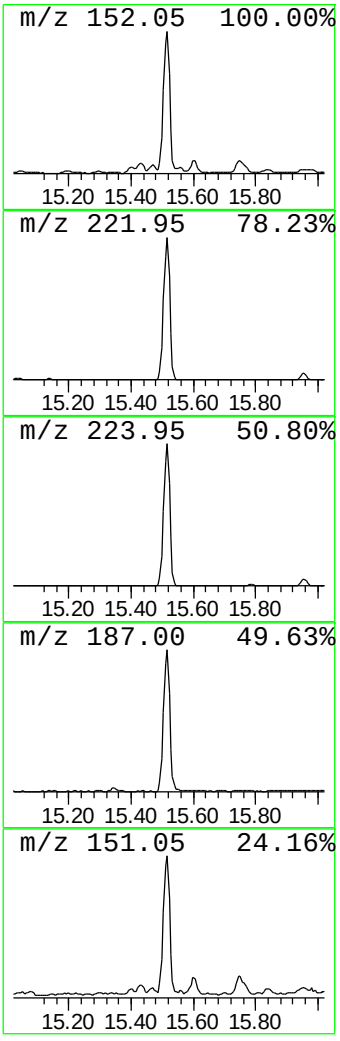
****

Peak Number 2 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	8.86 ng/ul	780046	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
3	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	96
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

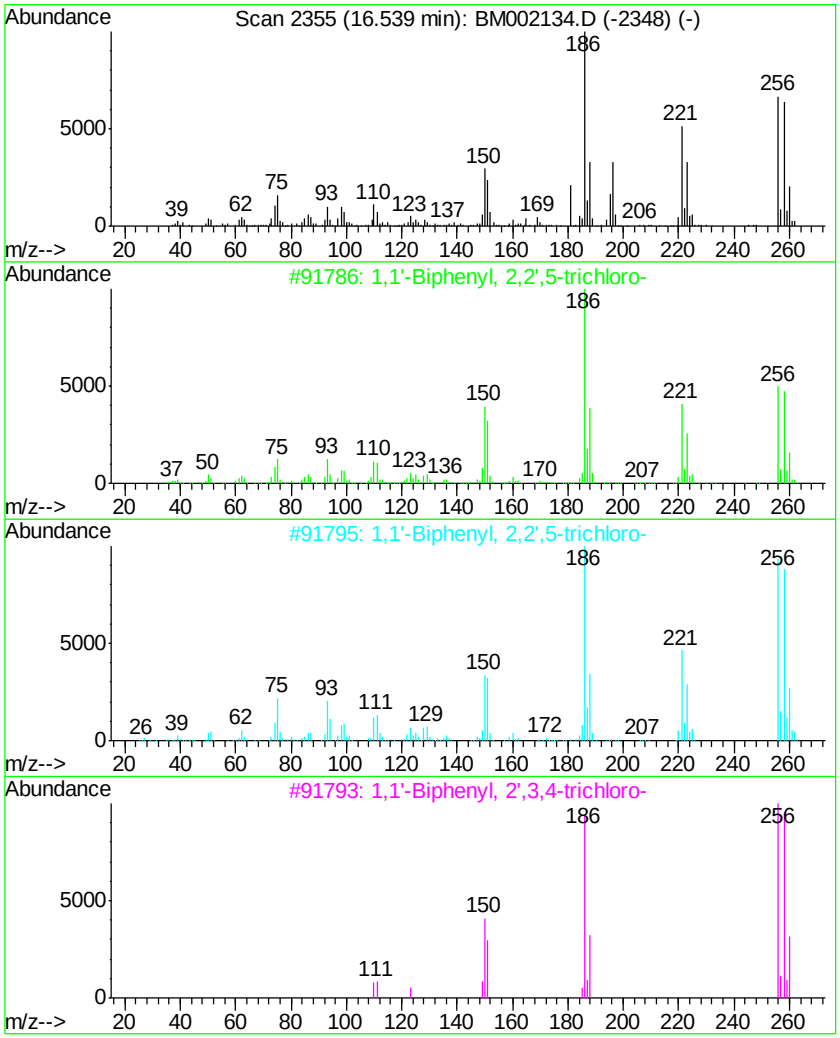
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

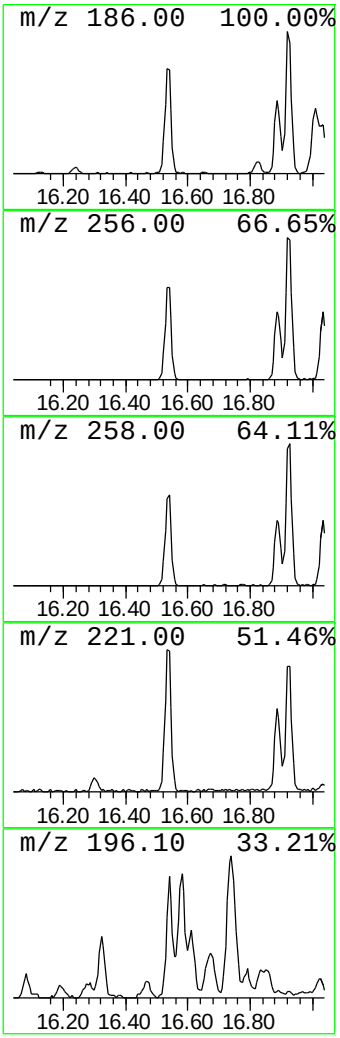
****

Peak Number 3 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	6.97 ng/ul	690966	Phenanthrene-d10	17.01

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	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	95
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	94
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

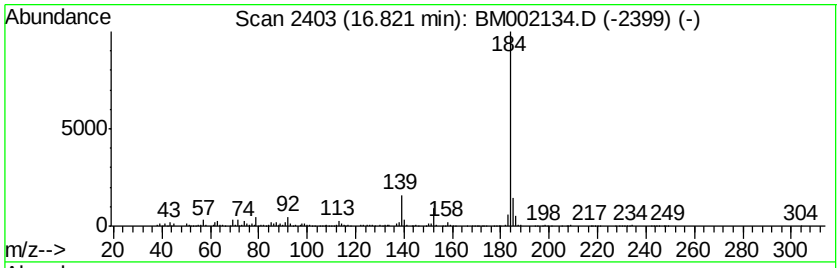
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

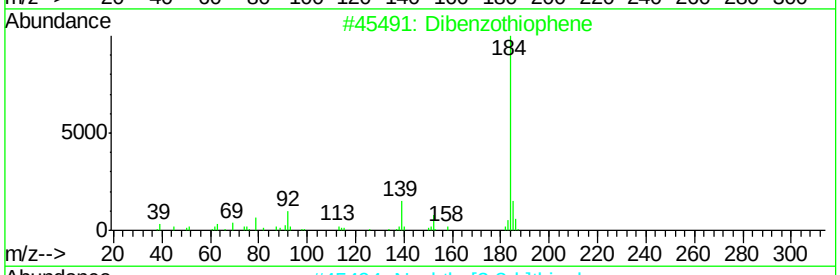
****

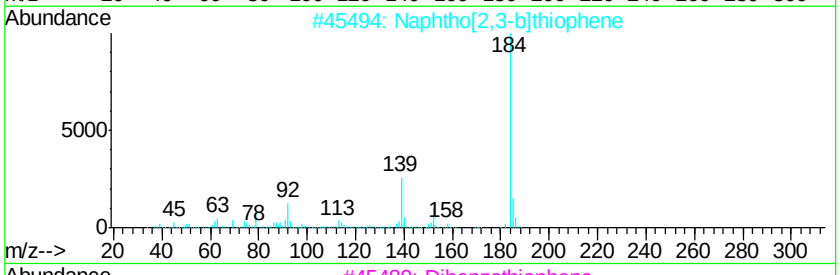
Peak Number 4 Dibenzothiophene Concentration Rank 30

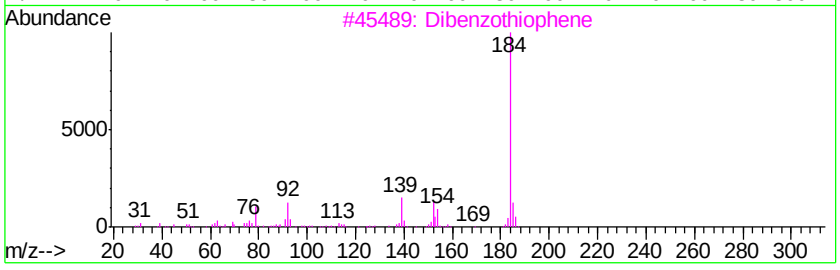
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	4.76 ng/ul	472066	Phenanthrene-d10	17.01

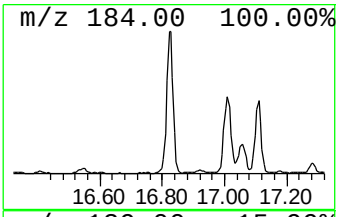
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91

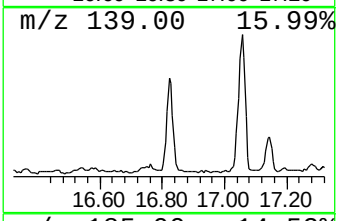


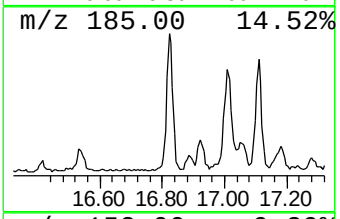


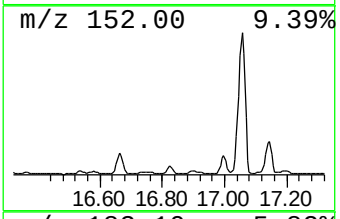


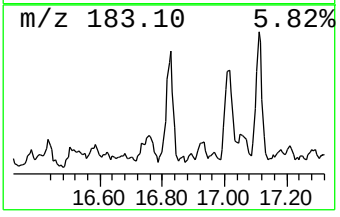












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

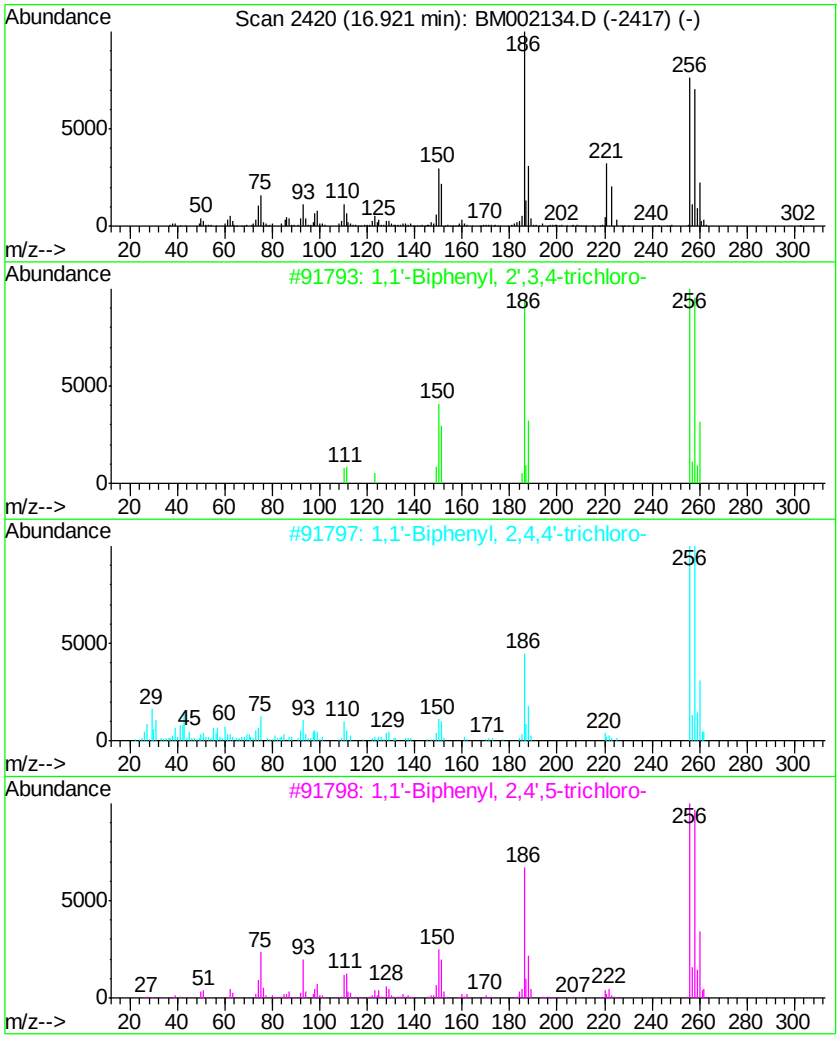
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

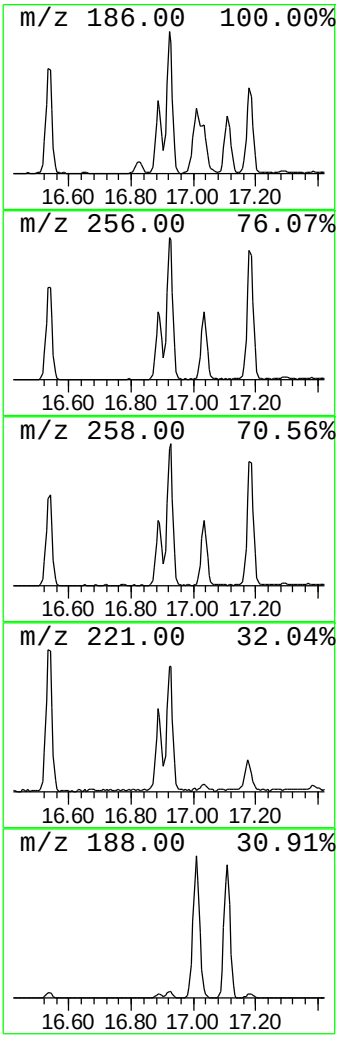
****

Peak Number 5 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	6.45 ng/ul	640105	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	94
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	94





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Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

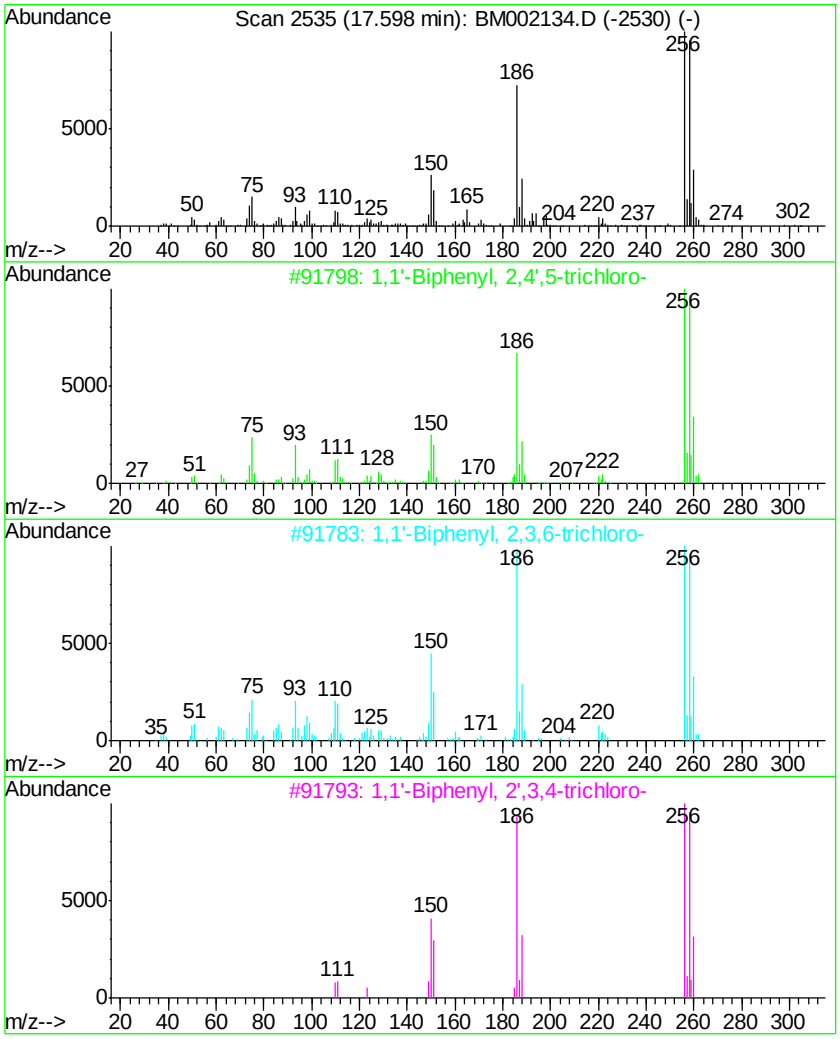
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

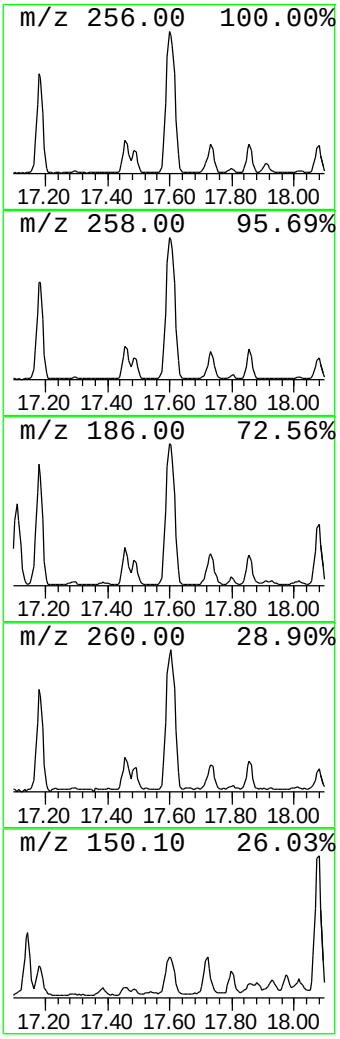
****

Peak Number 6 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	10.26 ng/ul	1017730	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	96





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Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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Quant Title : SVOA CALIBRATION

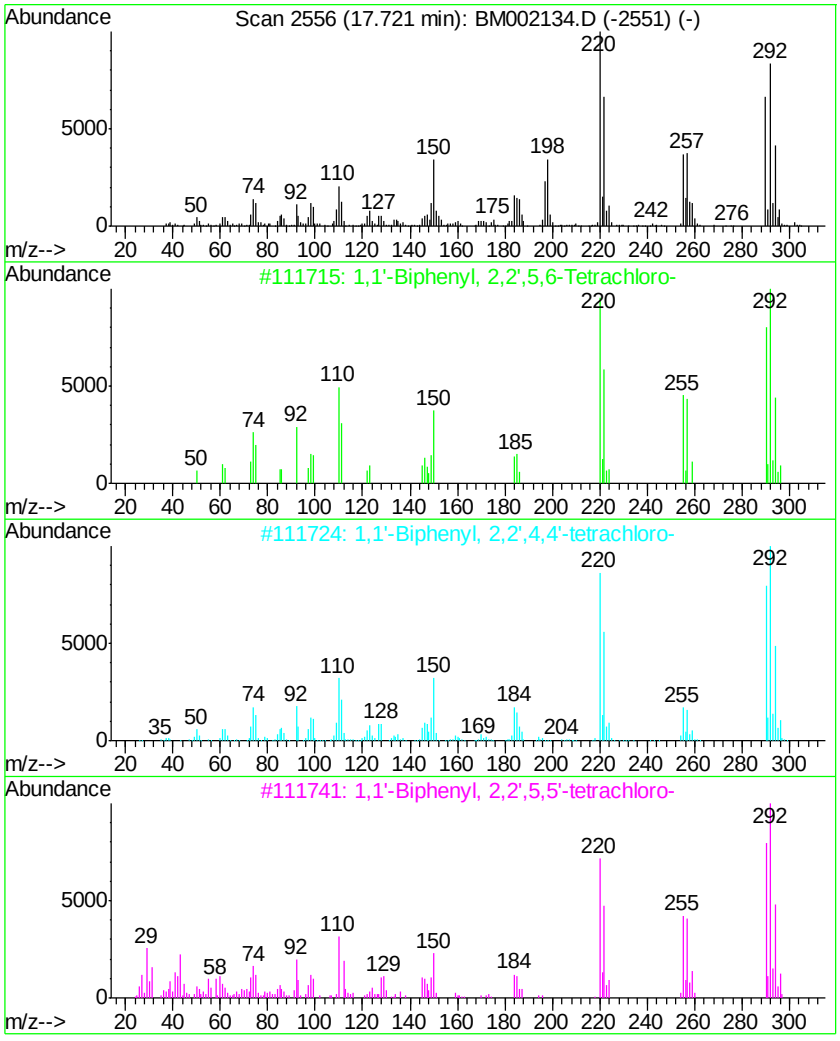
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

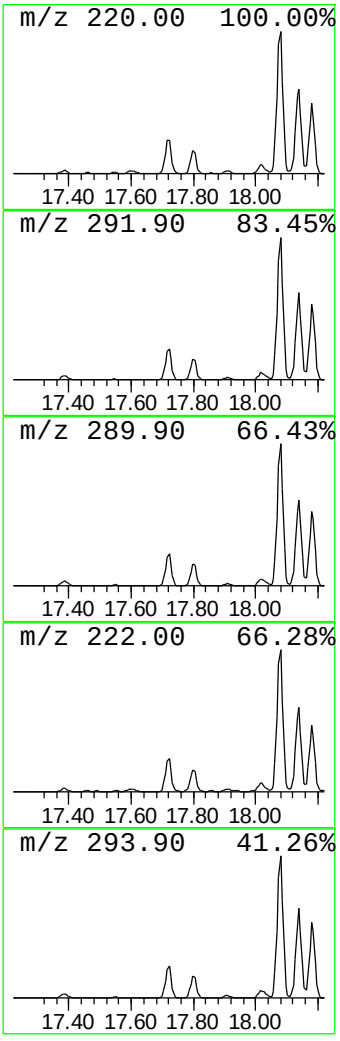
****

Peak Number 7 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	8.04 ng/ul	798078	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Library Search Compound Report

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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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Quant Title : SVOA CALIBRATION

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

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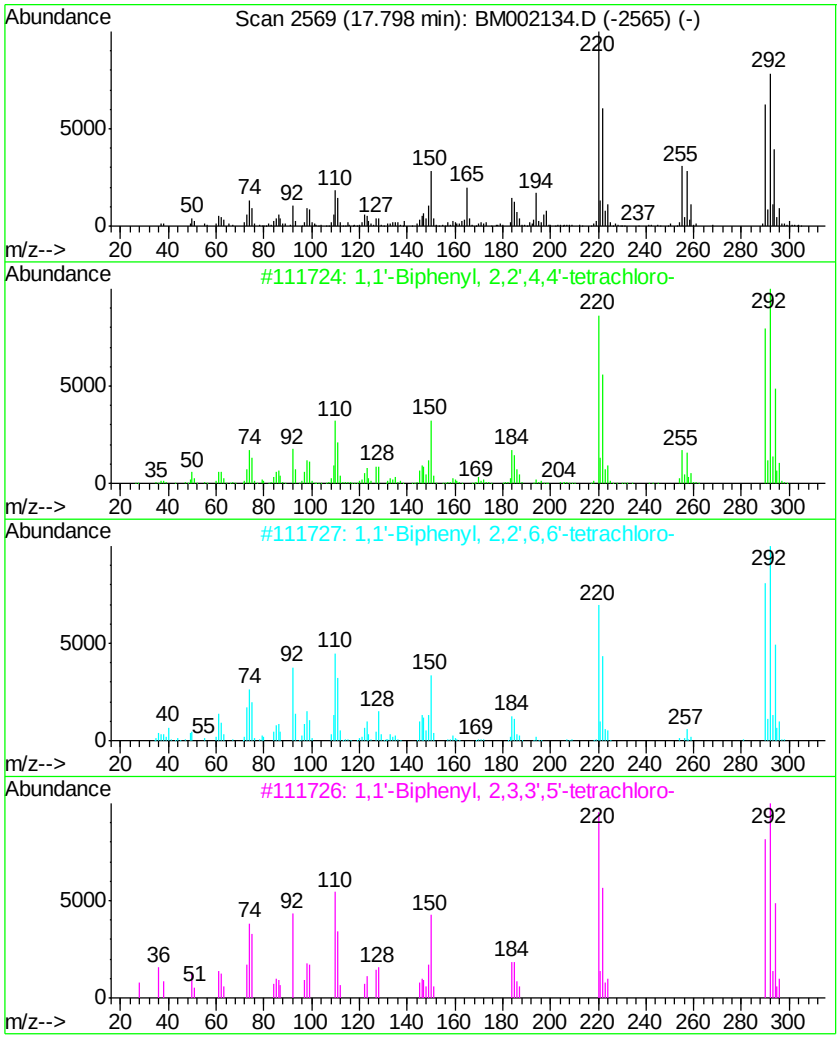
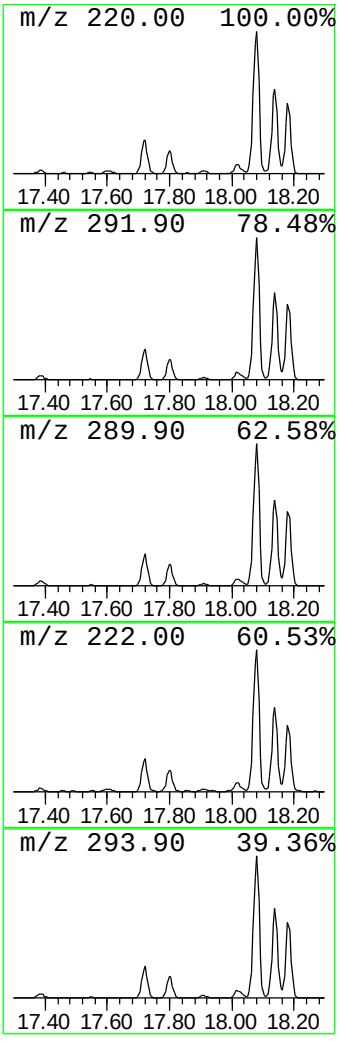
Peak Number 8 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	4.73 ng/ul	469229	Phenanthrene-d10	17.01

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98





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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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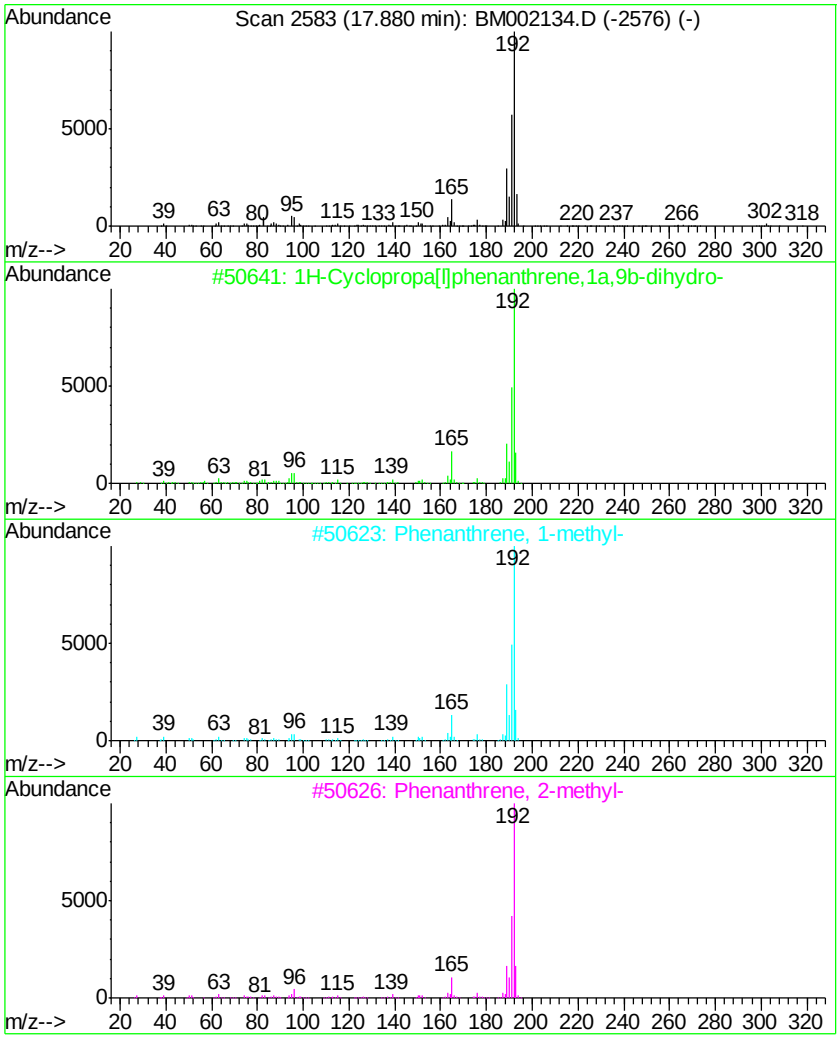
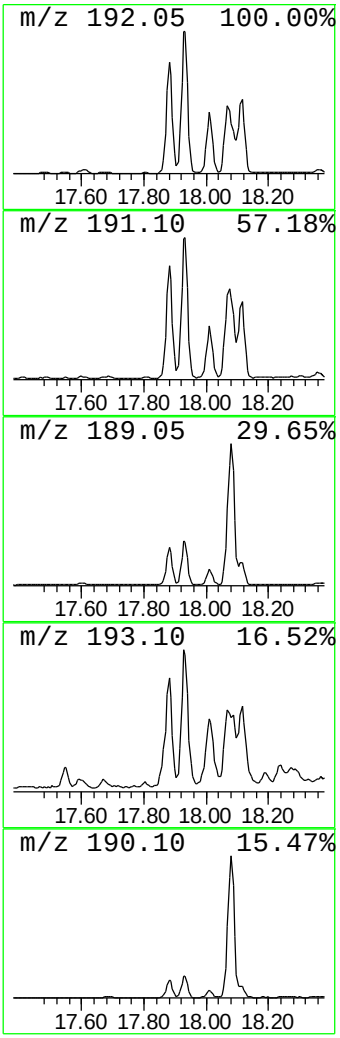
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	10.84 ng/ul	1074990	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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Quant Title : SVOA CALIBRATION

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

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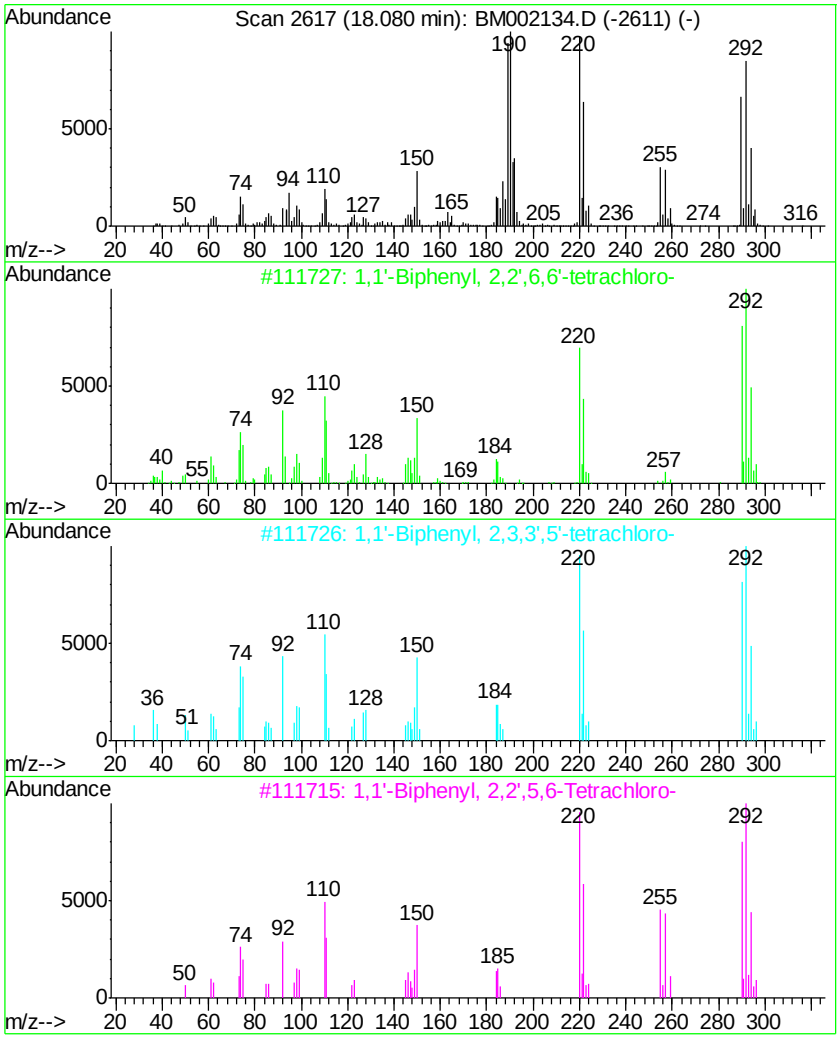
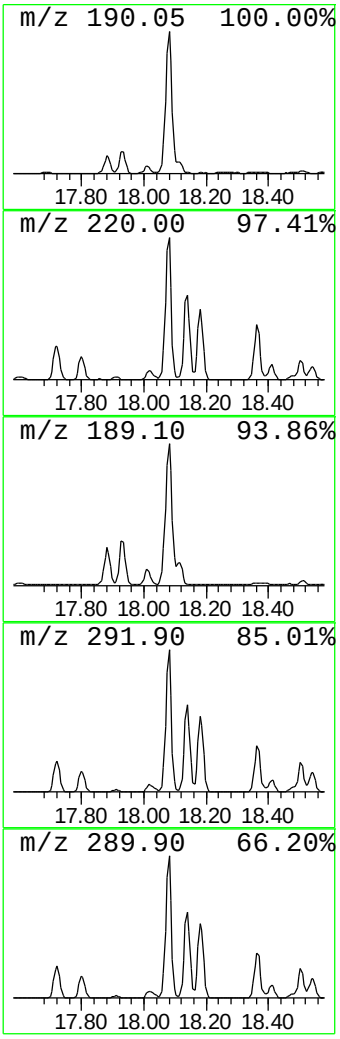
Peak Number 10 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	42.24 ng/ul	4189980	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	97
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	97
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	97
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	97





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Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

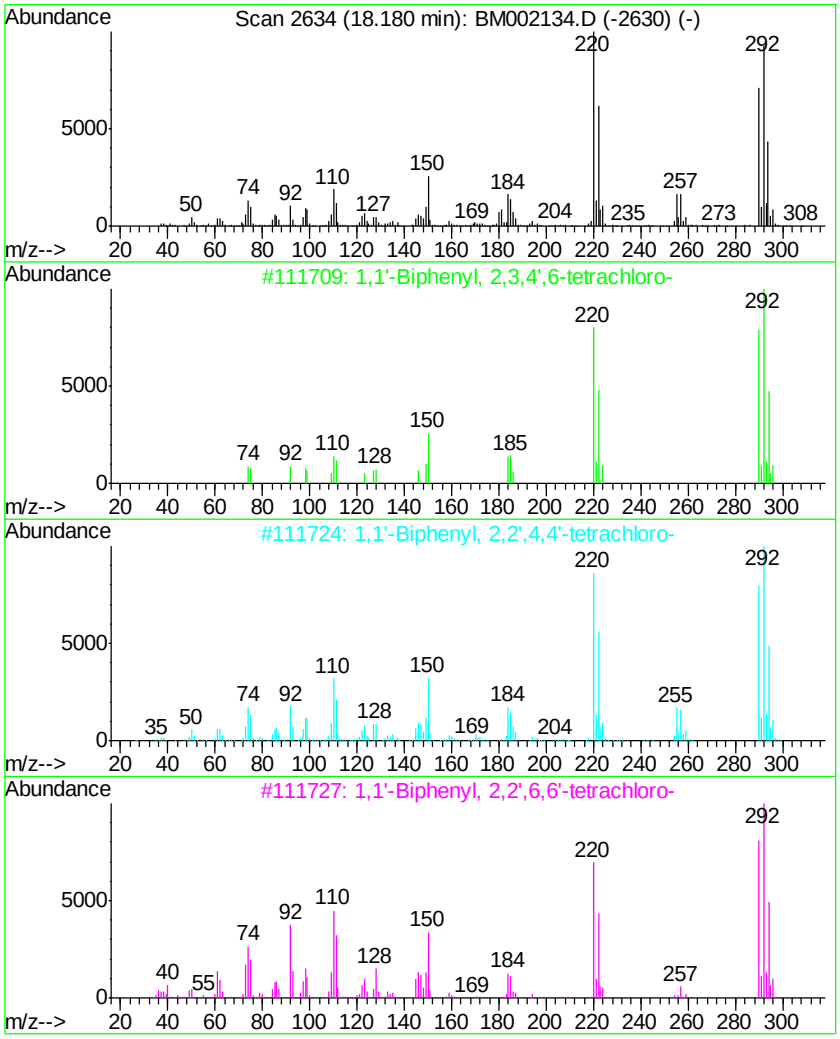
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

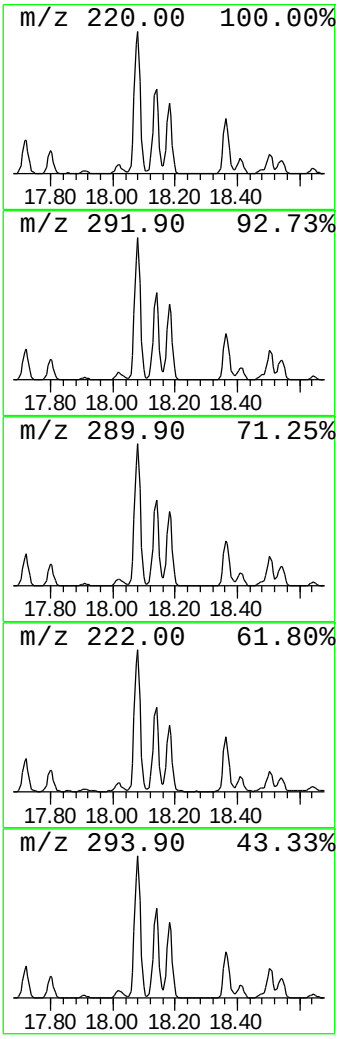
****

Peak Number 12 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	13.10 ng/ul	1299710	Phenanthrene-d10	17.01

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Library Search Compound Report

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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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Quant Title : SVOA CALIBRATION

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

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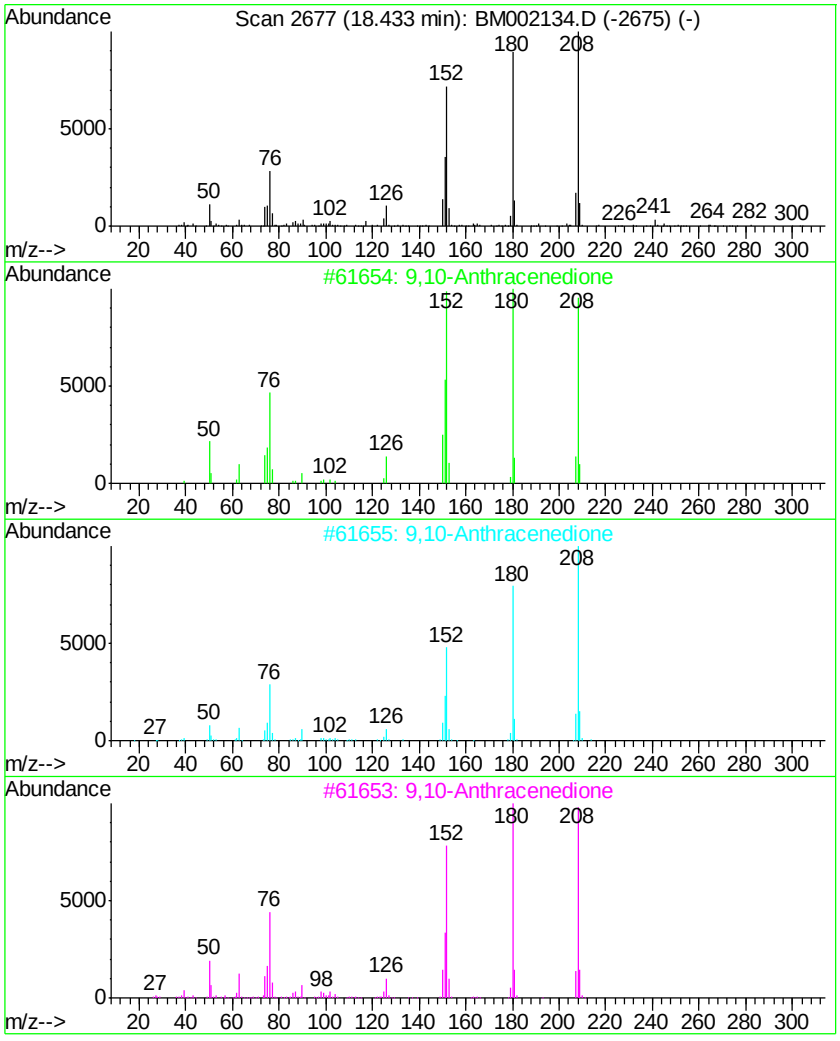
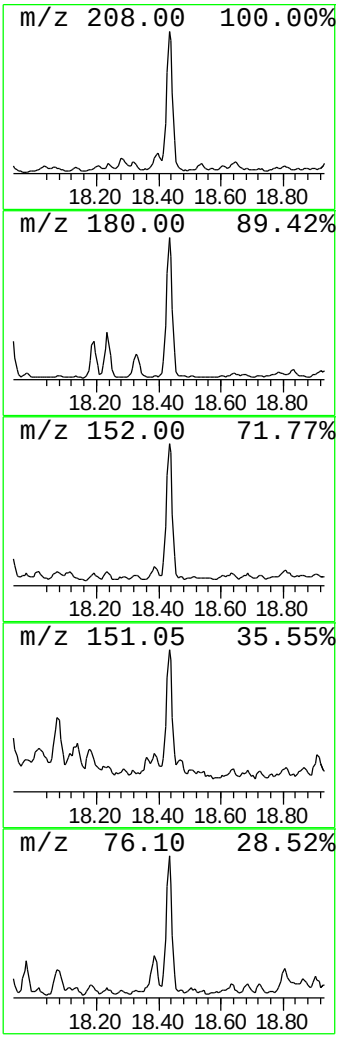
Peak Number 14 9,10-Anthracenedione Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.58 ng/ul	354666	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60





Library Search Compound Report

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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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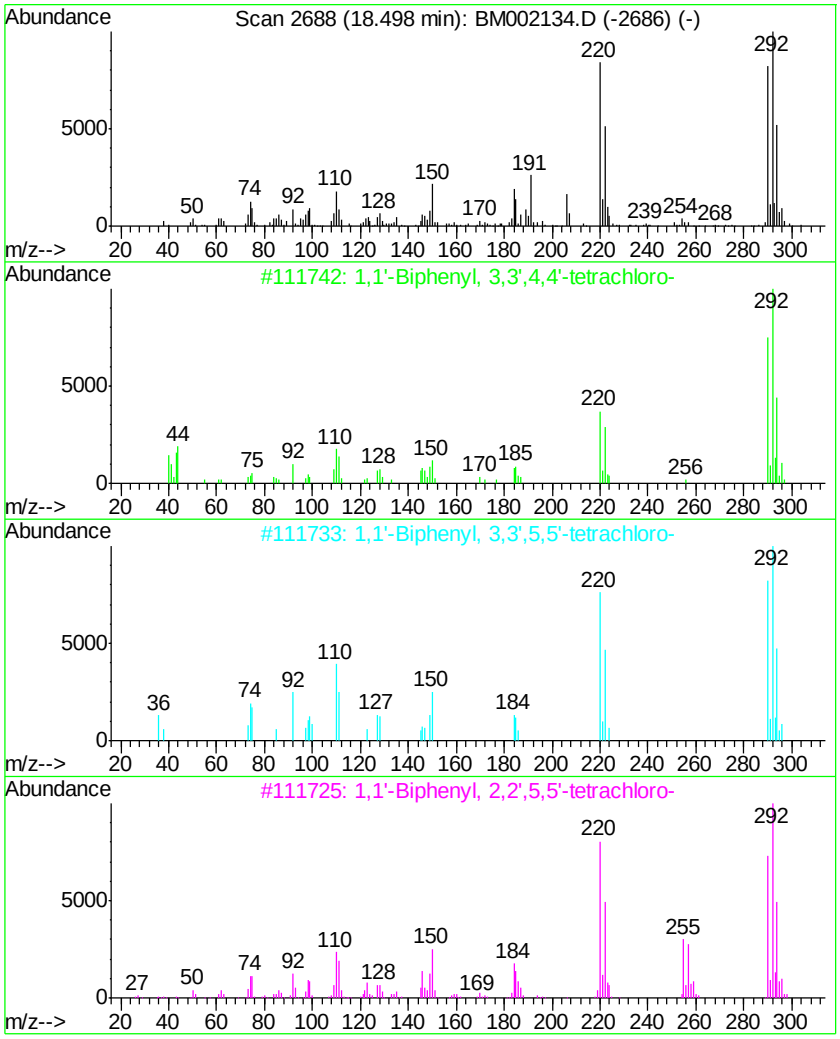
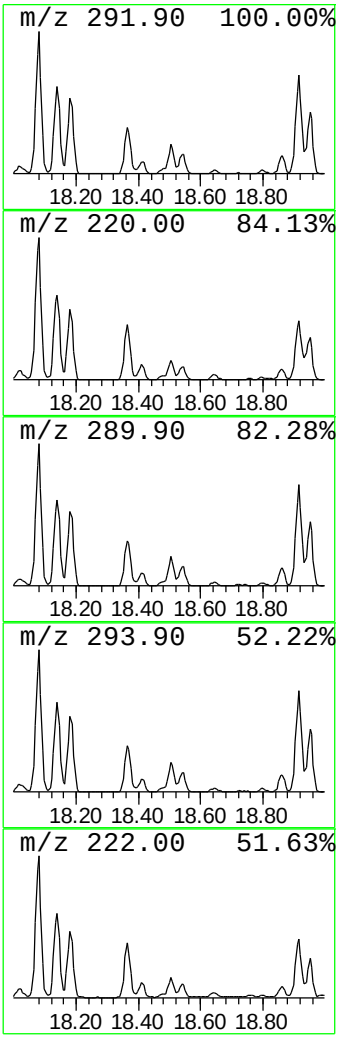
Peak Number 15 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.75 ng/ul	371847	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	95
2	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	95
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	95
5	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	95





Library Search Compound Report

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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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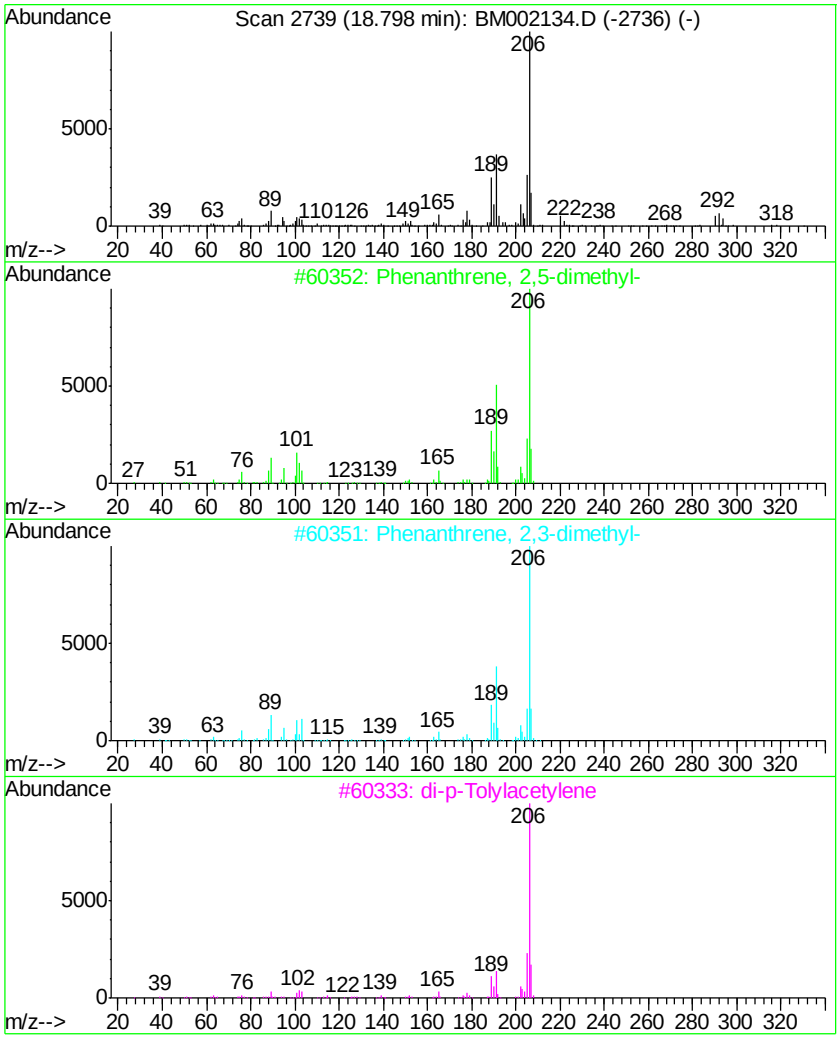
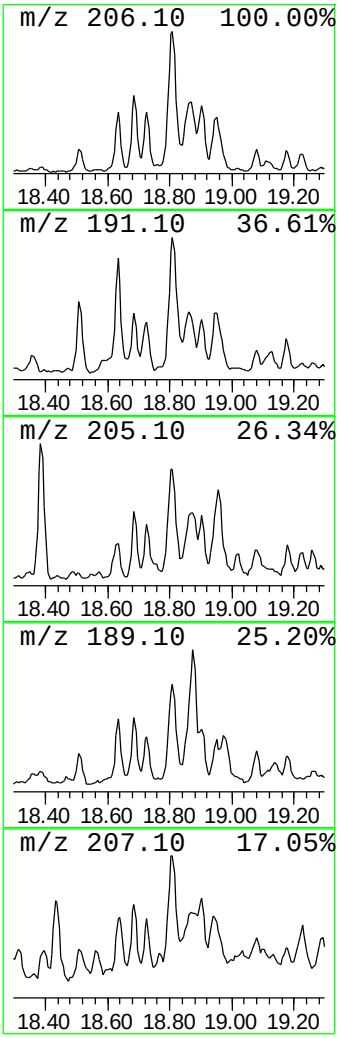
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	4.66 ng/ul	462707	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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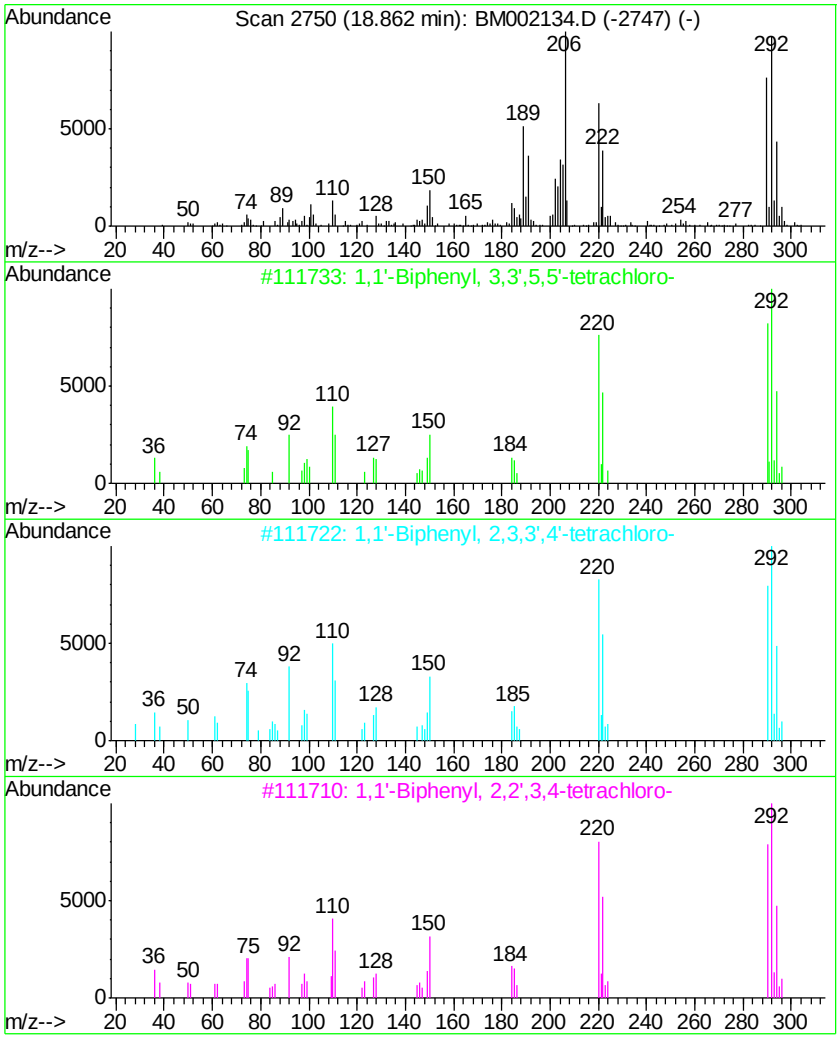
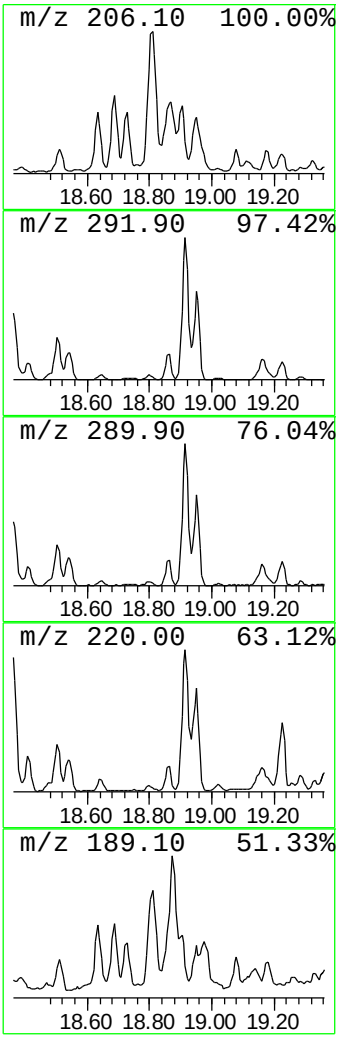
Peak Number 17 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.32 ng/ul	428557	Phenanthrene-d10	17.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
2	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	98
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	98
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	98
5	1,1'-Biphenyl, 2,3',4,4'-tetrach...	290	C12H6Cl4	032598-10-0	94





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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Quant Title : SVOA CALIBRATION

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

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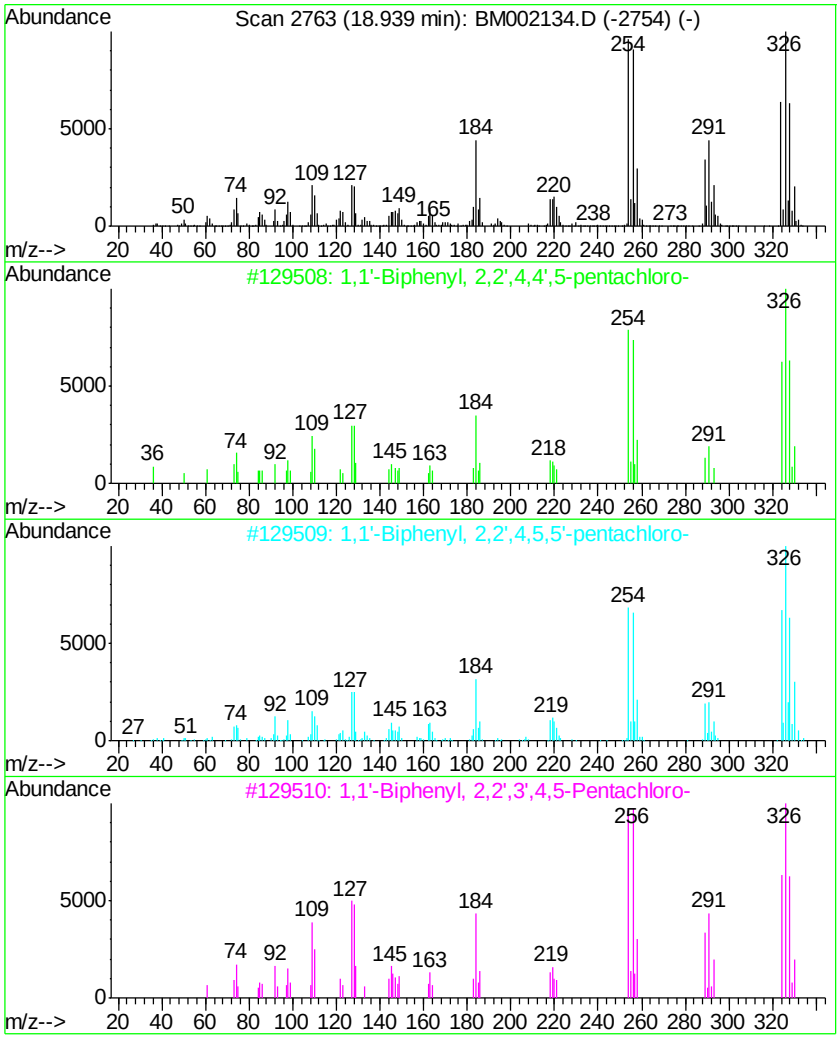
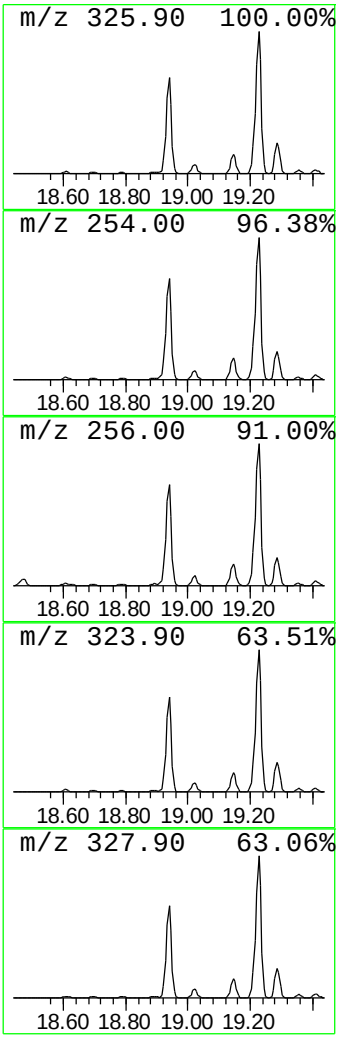
Peak Number 18 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	63.18 ng/ul	6267330	Phenanthrene-d10	17.01

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, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





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Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

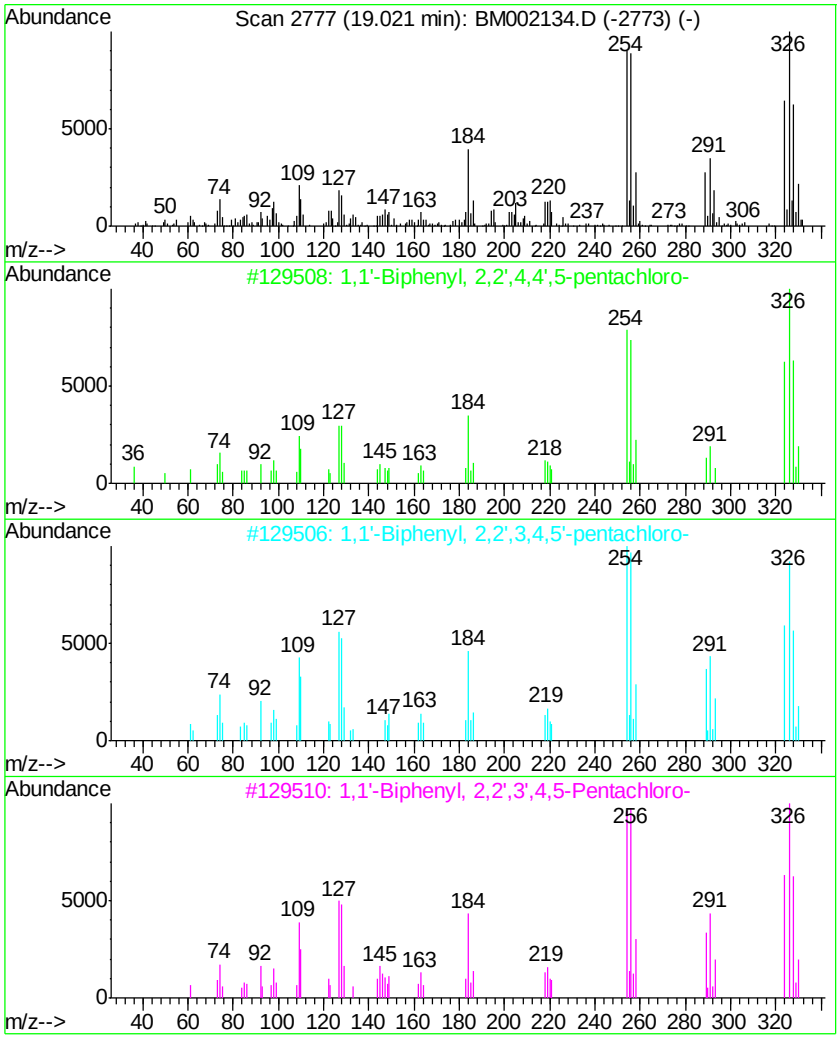
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

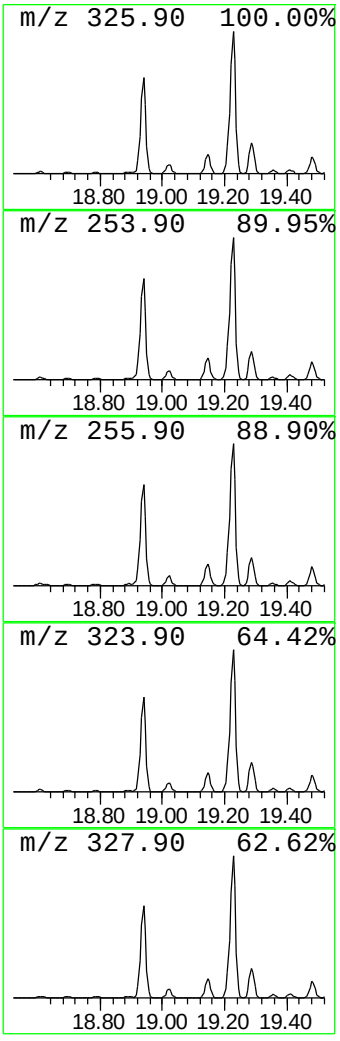
****

Peak Number 19 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	4.07 ng/ul	403431	Phenanthrene-d10	17.01

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, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99





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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

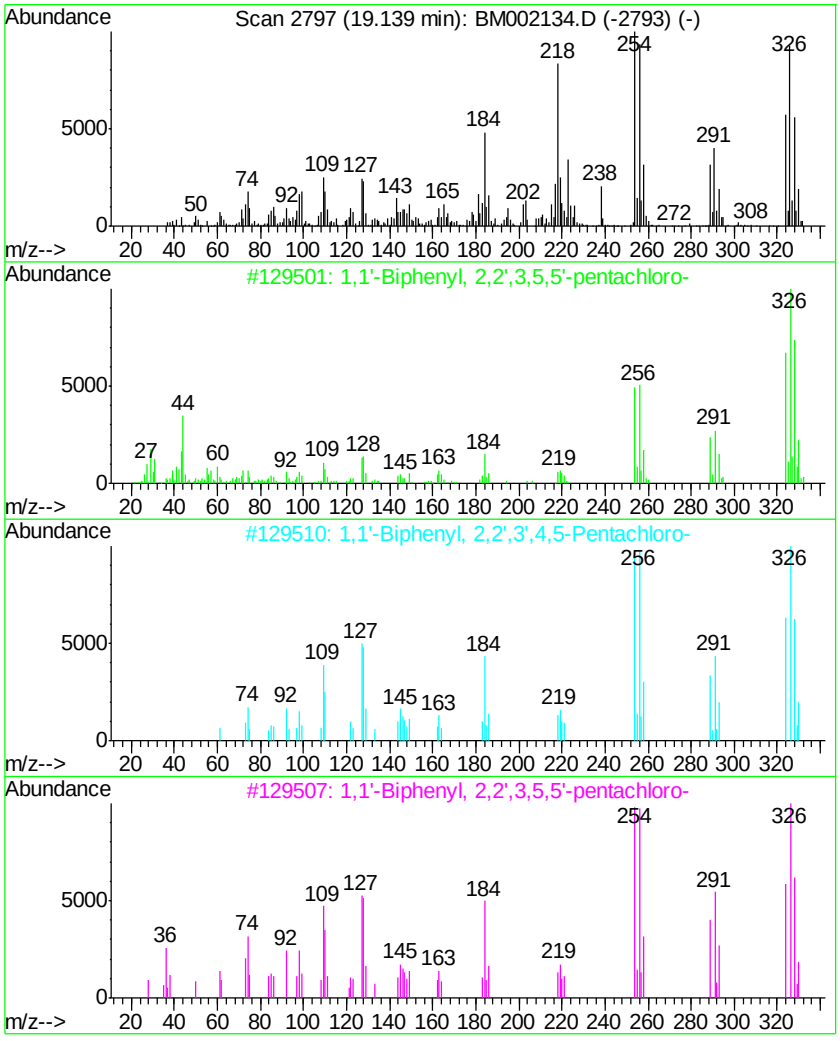
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

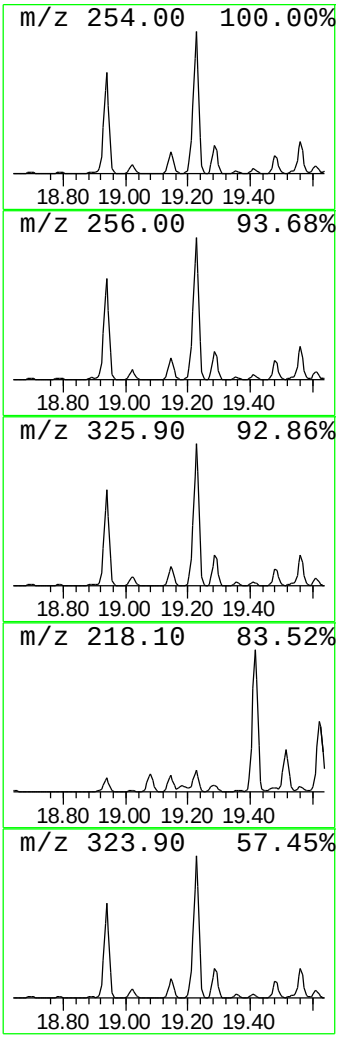
****

Peak Number 20 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	3.89 ng/ul	1300640	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
4	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	98





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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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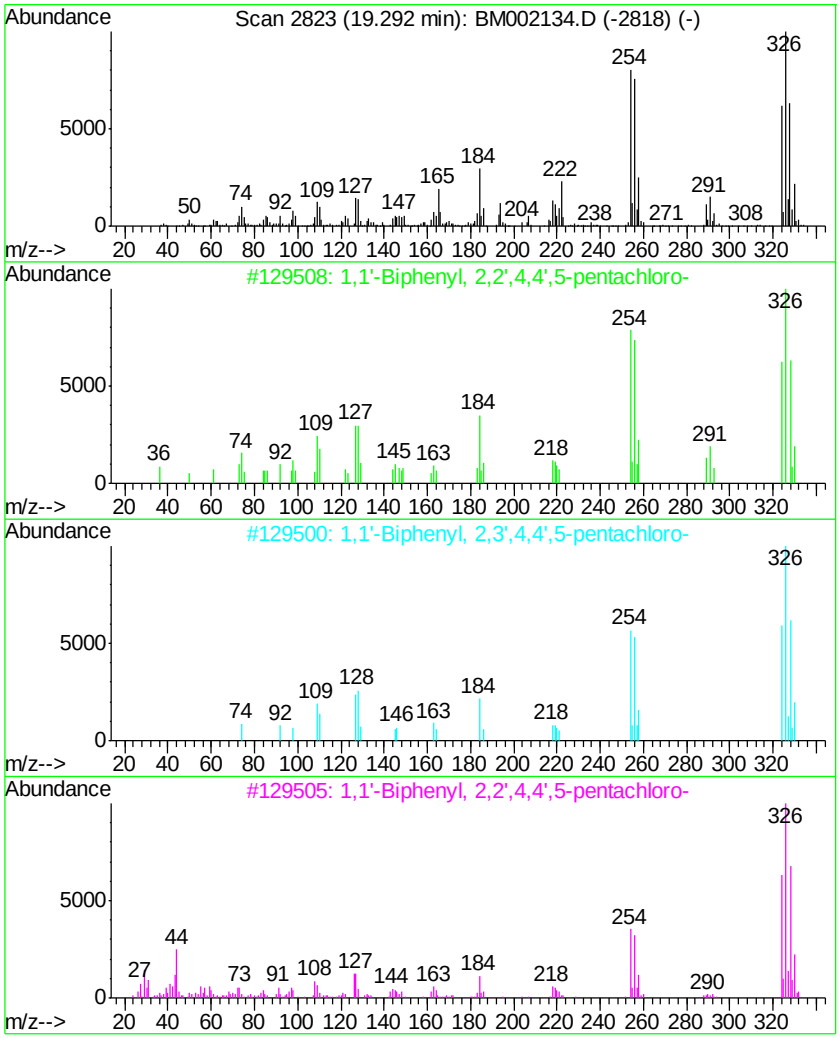
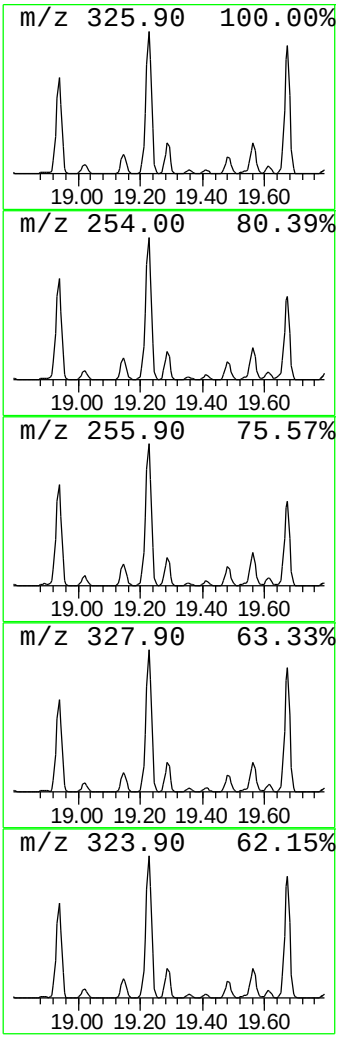
Peak Number 22 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	3.35 ng/ul	1119420	Chrysene-d12	21.22

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',4,4',5-penta...	324	C12H5Cl5	031508-00-6	98
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	97
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	96
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96





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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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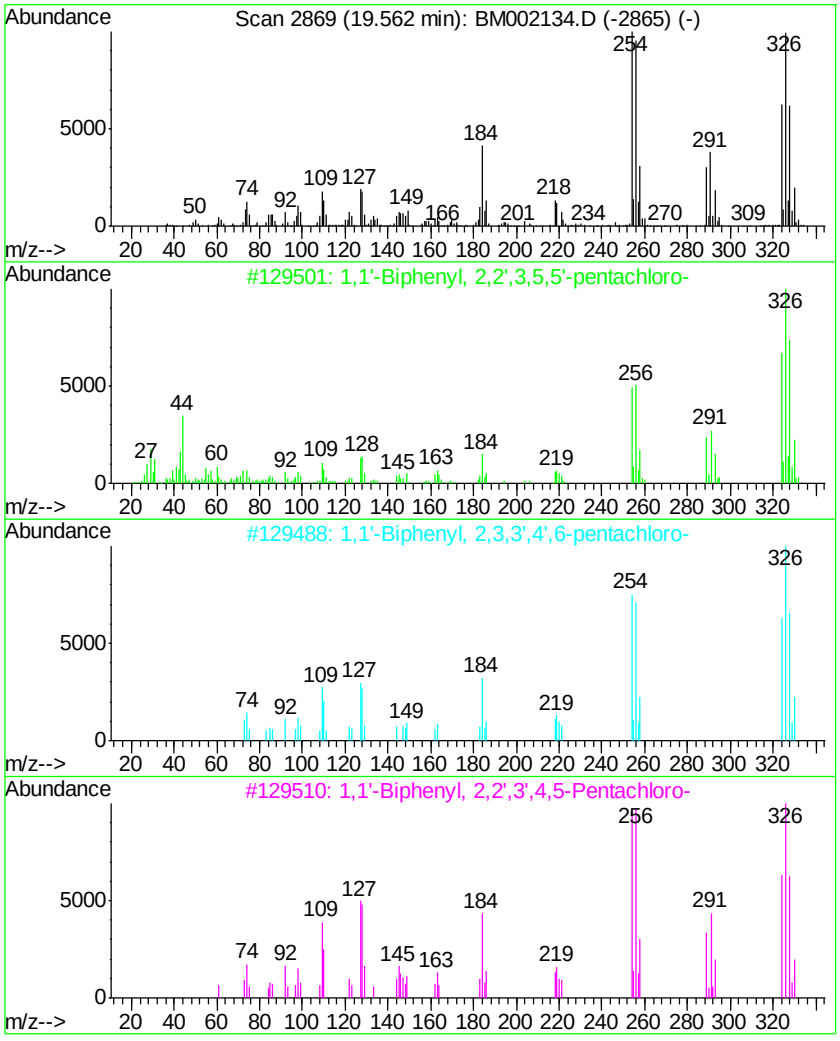
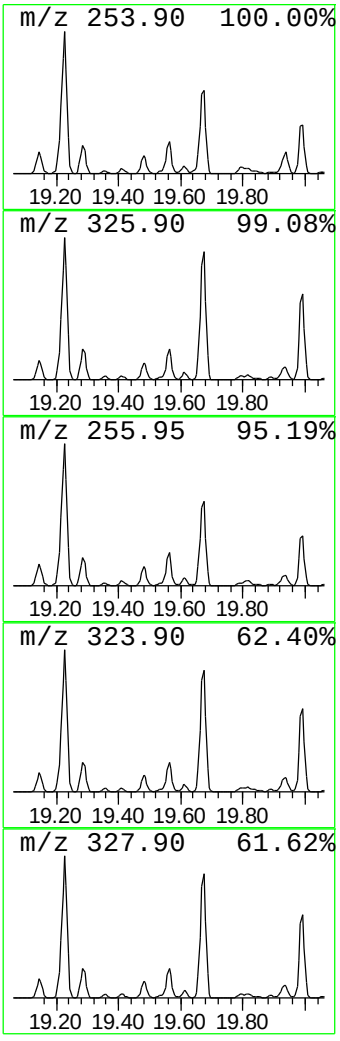
Peak Number 23 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	3.31 ng/ul	1104500	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98





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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

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Quant Title : SVOA CALIBRATION

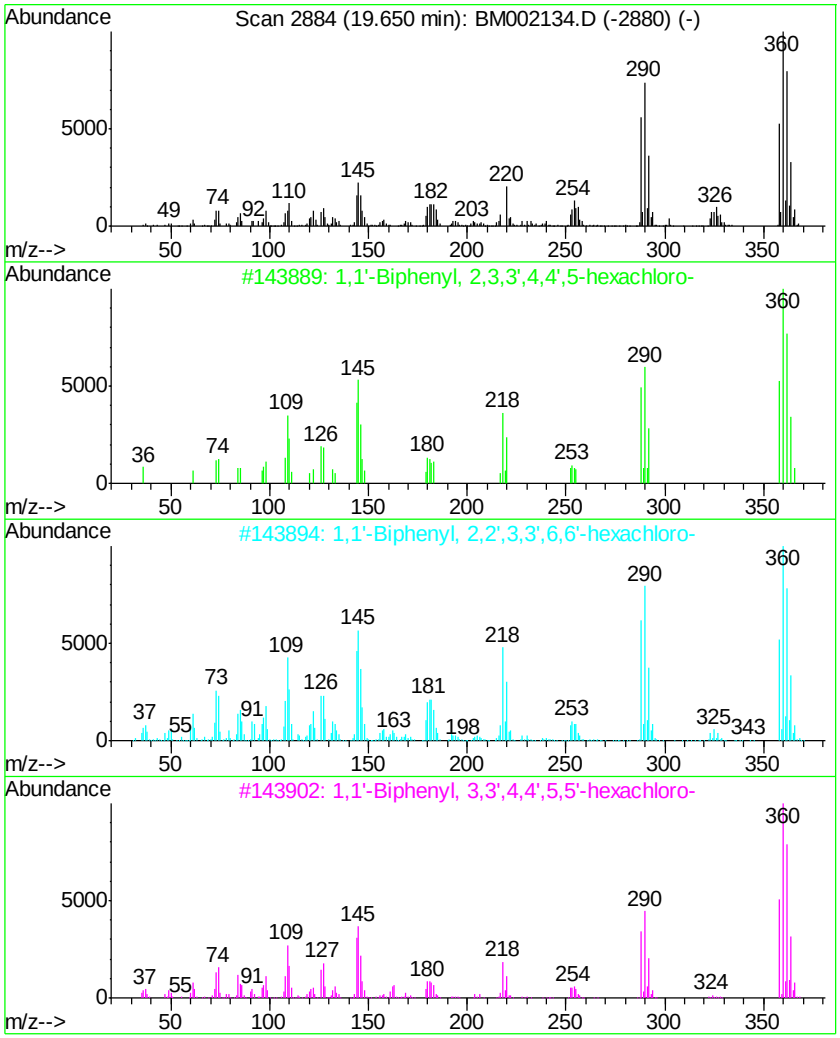
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

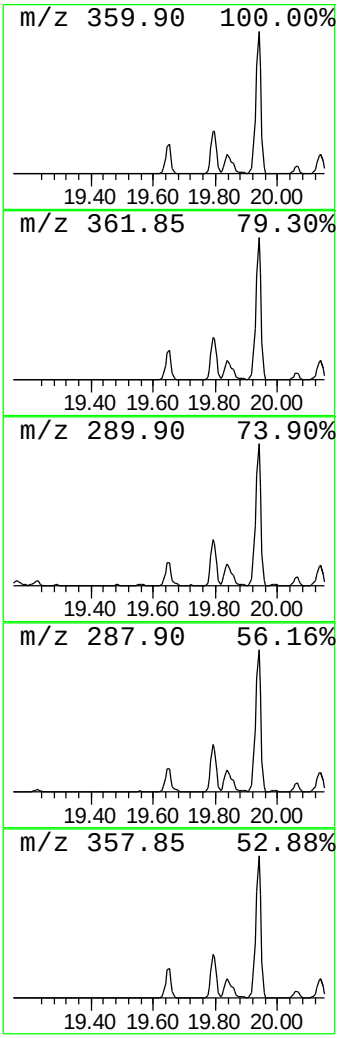
****

Peak Number 24 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	4.27 ng/ul	1427810	Chrysene-d12	21.22

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, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	97
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96





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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

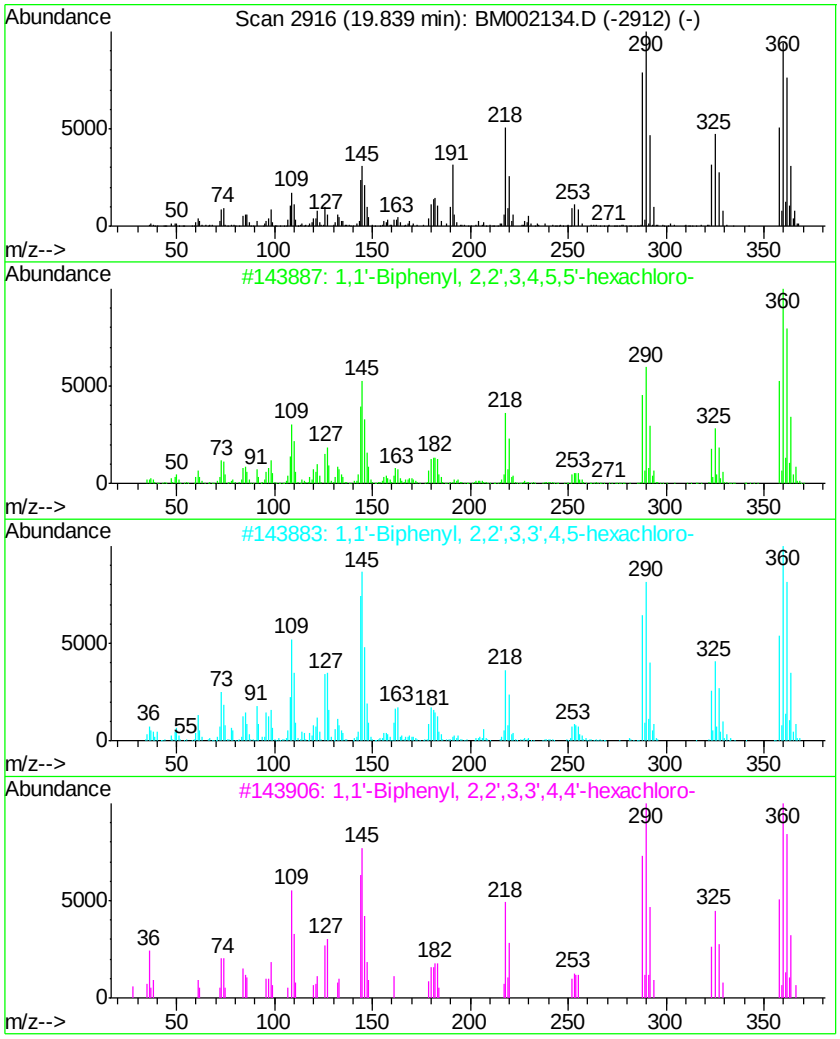
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

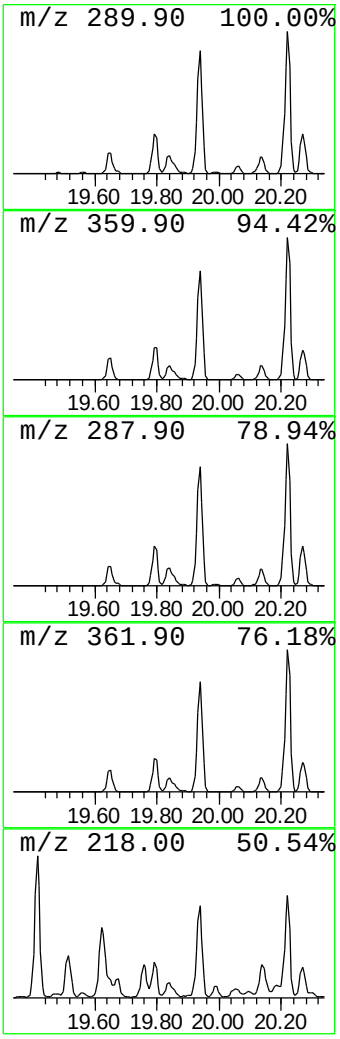
****

Peak Number 27 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.74 ng/ul	1249500	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	96
3	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	96
4	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	96
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95





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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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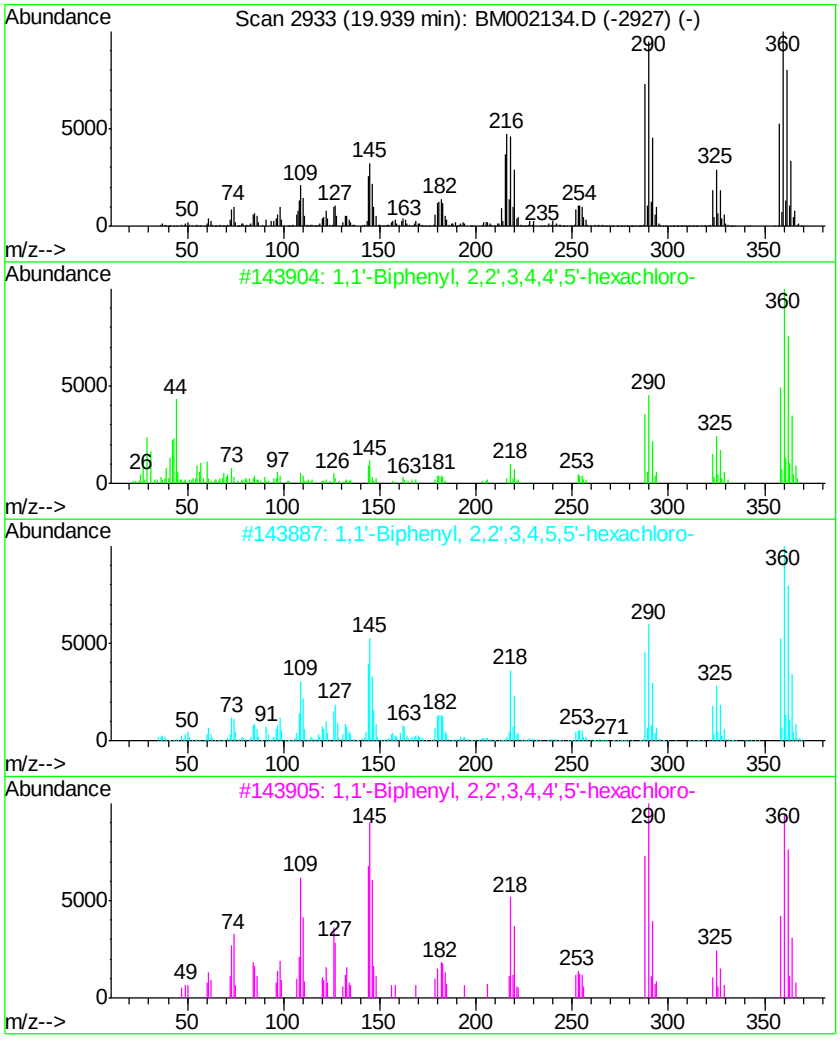
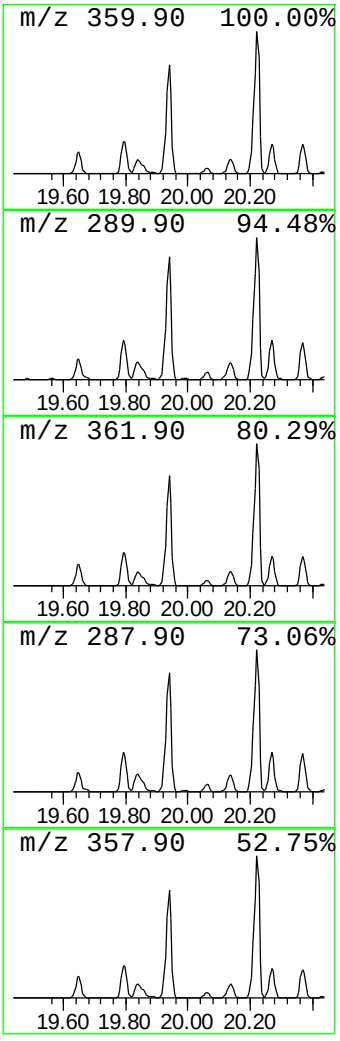
Peak Number 28 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	28.70 ng/ul	9592040	Chrysene-d12	21.22

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, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99





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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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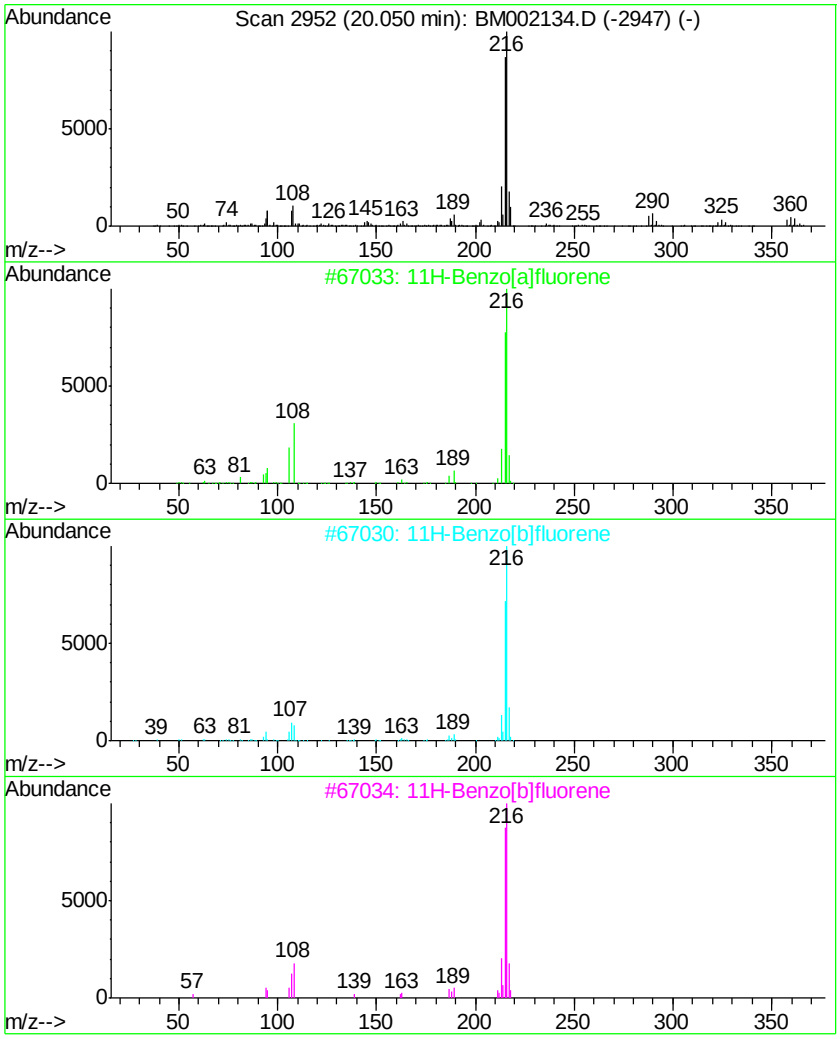
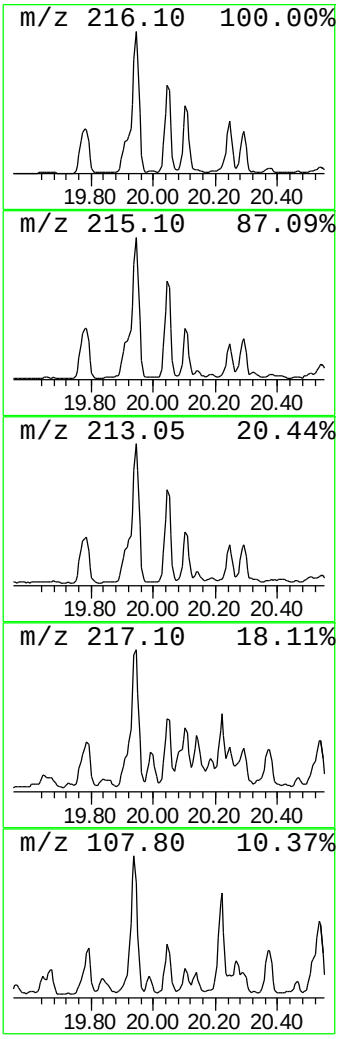
Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	4.28 ng/ul	1431760	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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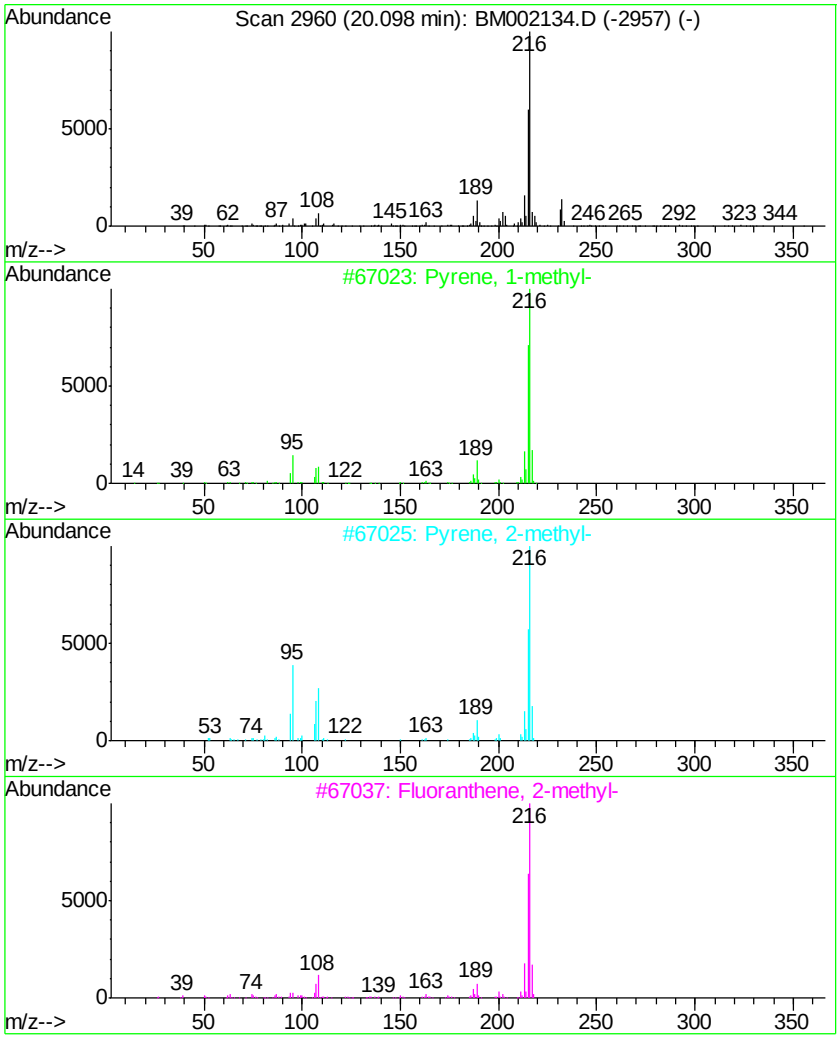
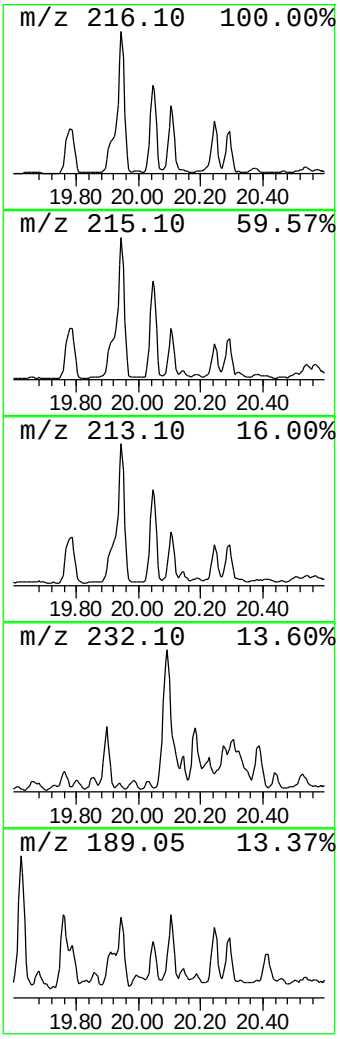
Peak Number 31 Pyrene, 1-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.68 ng/ul	895423	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Library Search Compound Report

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Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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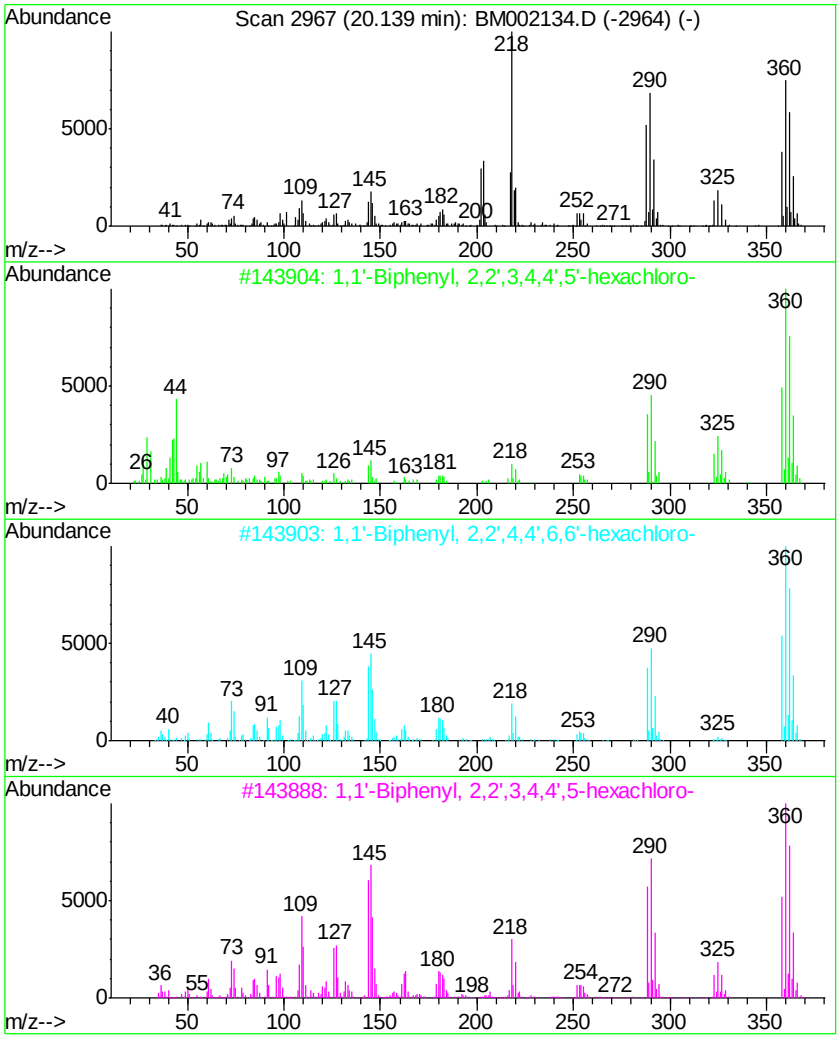
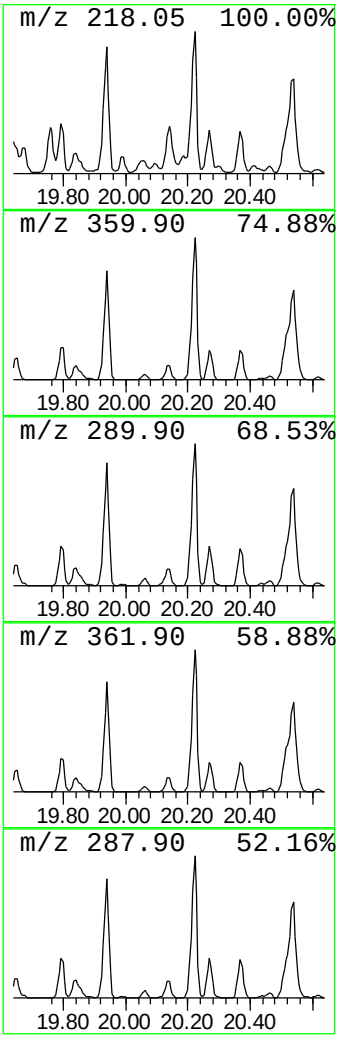
Peak Number 32 1,1'-Biphenyl, 2,2',3,3',6,... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	3.97 ng/ul	1325190	Chrysene-d12	21.22

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	98
2	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	95
3	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	95
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	94
5	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	94





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

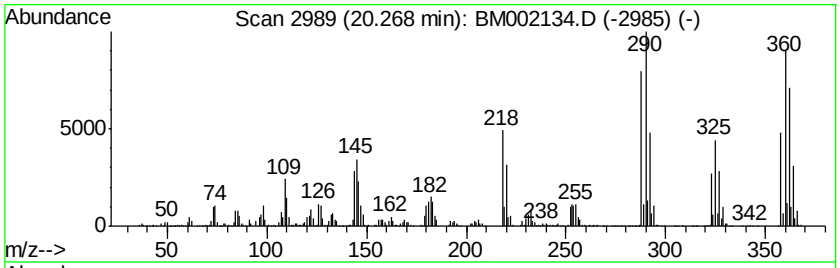
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

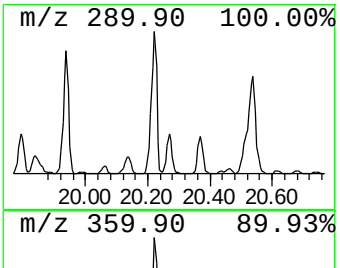
****

Peak Number 34 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	8.47 ng/ul	2828900	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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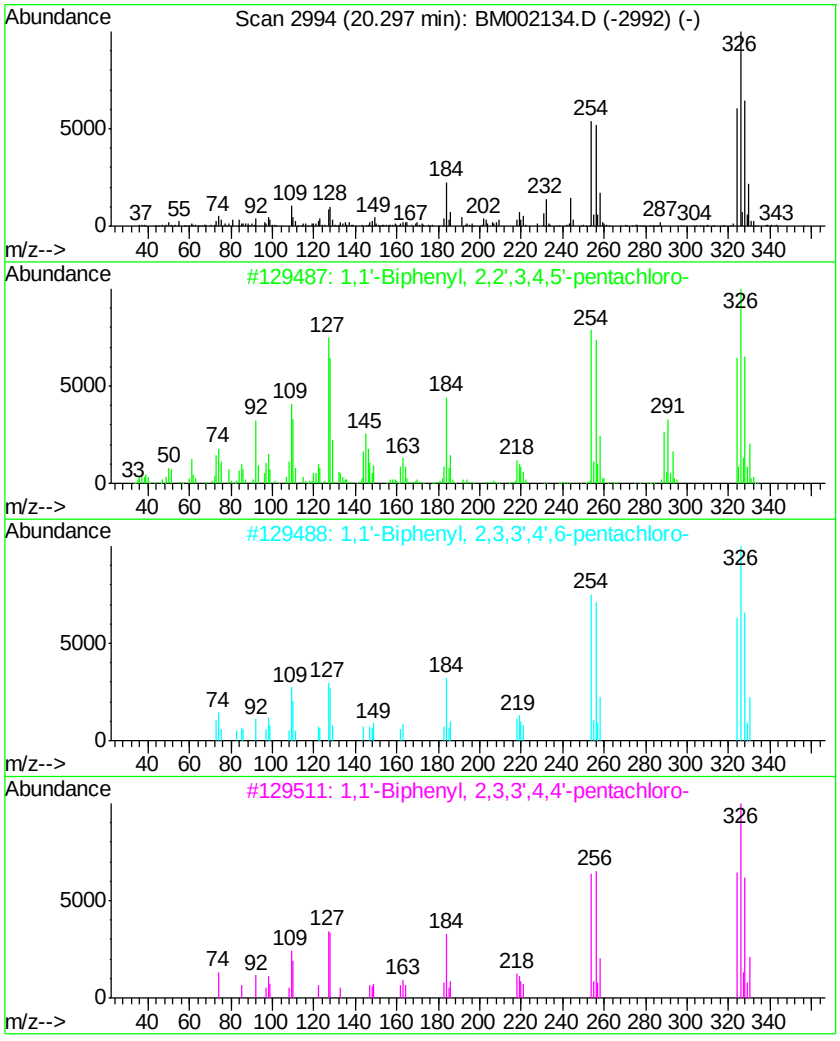
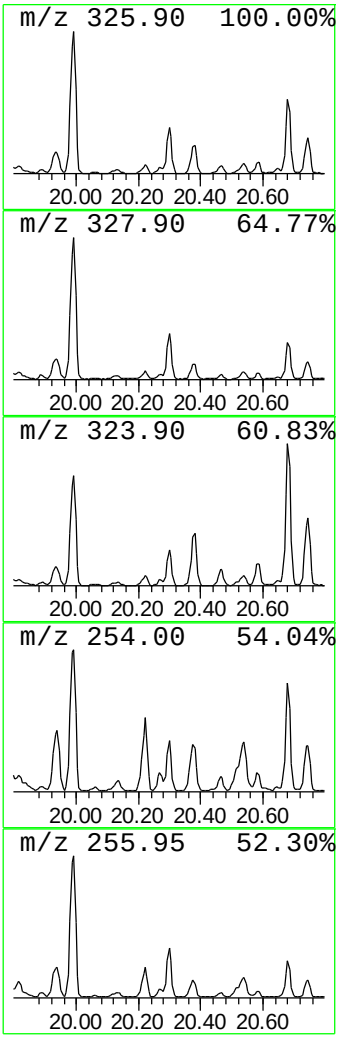
Peak Number 35 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.78 ng/ul	929722	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	93
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	93
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	93
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	93
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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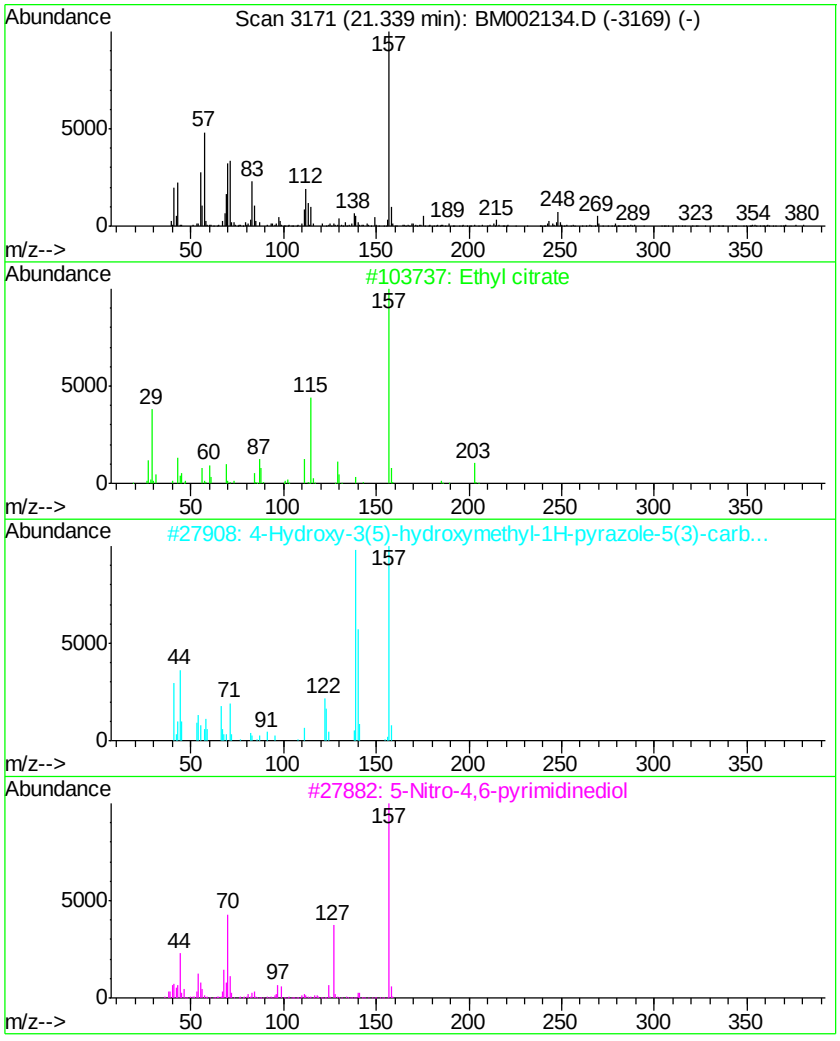
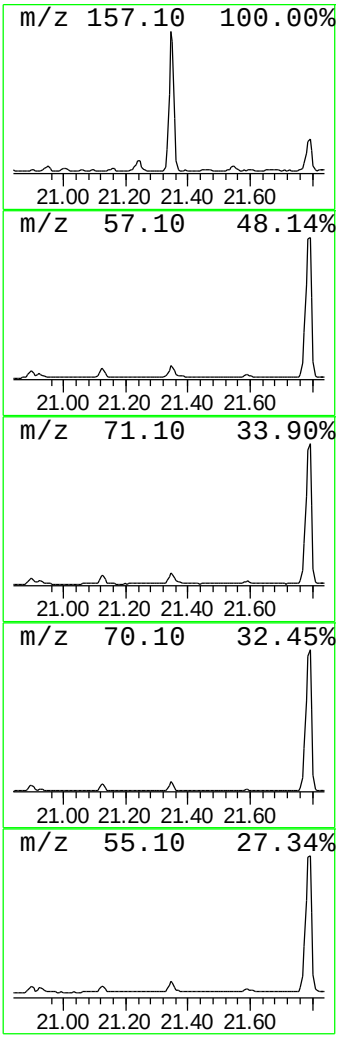
Peak Number 45 unknown-01 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.08 ng/ul	1030920	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl citrate	276	C12H20O7	000077-93-0	38
2	4-Hydroxy-3(5)-hydroxymethyl-1H-...	157	C5H7N3O3	1000211-62-6	37
3	5-Nitro-4,6-pyrimidinediol	157	C4H3N3O4	063447-42-7	25
4	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	25
5	2-Chlorobenzoic acid, pentadecyl...	366	C22H35ClO2	1000292-43-0	25





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Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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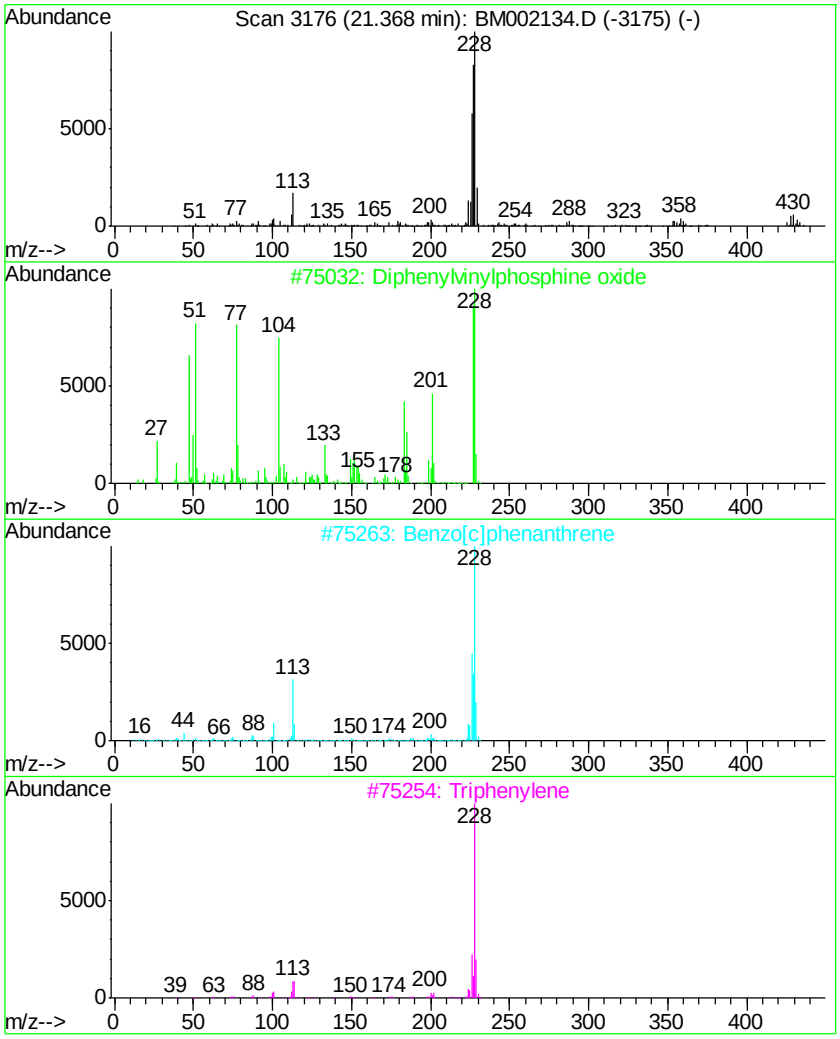
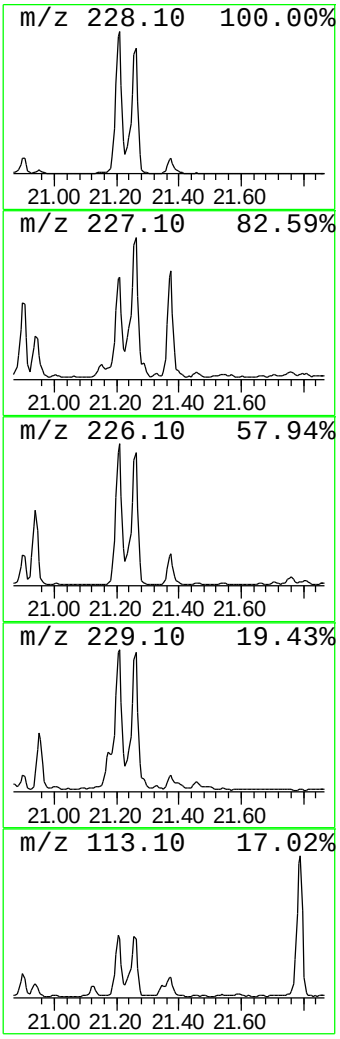
Peak Number 46 Diphenylvinylphosphine oxide Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.33 ng/ul	776989	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	52
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	50
3	Triphenylene	228	C18H12	000217-59-4	46
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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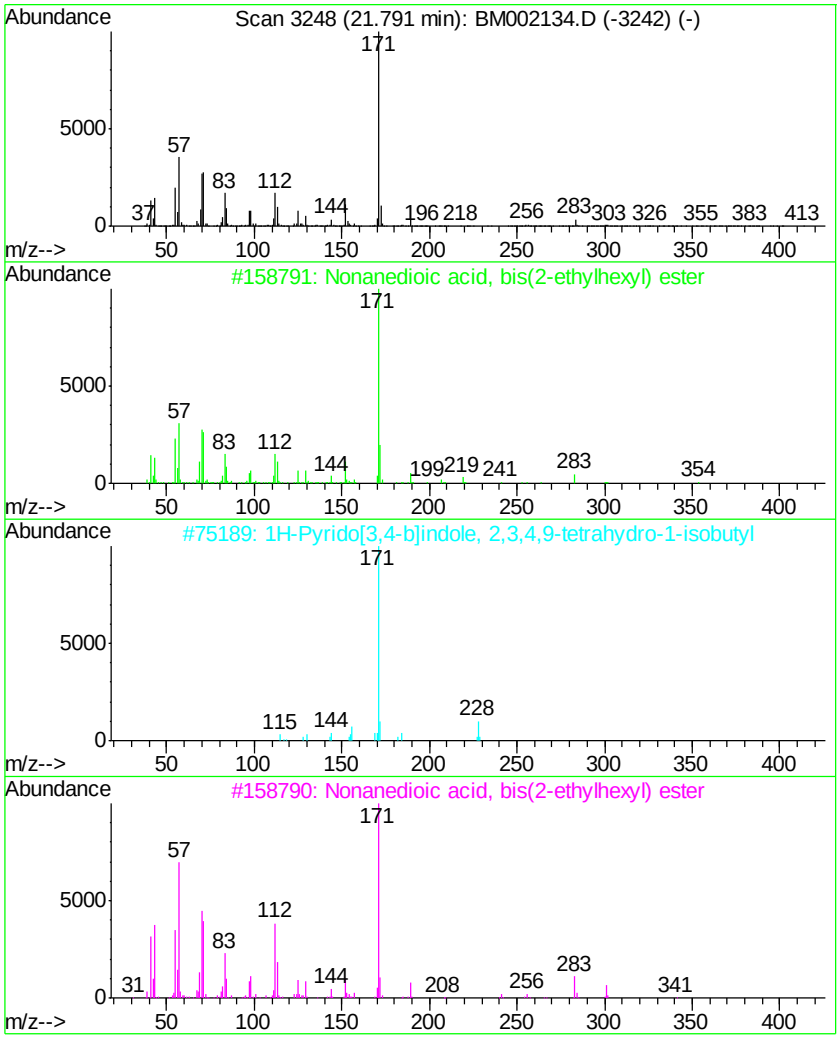
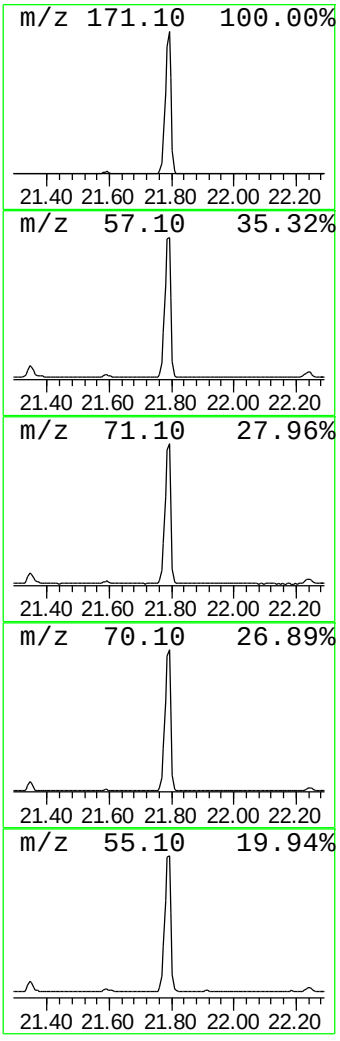
Peak Number 50 Nonanedioic acid, bis(2-eth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	50.14 ng/ul	16755700	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanedioic acid, bis(2-ethylhex...	412	C25H48O4	000103-24-2	52
2	1H-Pyrido[3,4-b]indole, 2,3,4,9-...	228	C15H20N2	006649-77-0	40
3	Nonanedioic acid, bis(2-ethylhex...	412	C25H48O4	000103-24-2	38
4	2-Methylamino-5-thiazolyl thiocy...	171	C5H5N3S2	088511-70-0	38
5	5-Amino-6-methyl-2-methylthiopyr...	171	C6H9N3OS	342402-52-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073015\
Data File : BM002134.D
Acq On : 30 Jul 2015 13:37
Operator : TP/UM
Sample : G3030-20RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02K6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
1,1'-Biphenyl, 2,...	15.52	8.9	ng/ul	780046	3	14.26	1760850	20.0
1,1'-Biphenyl, 2,...	16.54	7.0	ng/ul	690966	4	17.01	1984060	20.0
Dibenzothiophene	16.82	4.8	ng/ul	472066	4	17.01	1984060	20.0
1,1'-Biphenyl, 2'...	16.92	6.5	ng/ul	640105	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	17.60	10.3	ng/ul	1017730	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	17.72	8.0	ng/ul	798078	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	17.80	4.7	ng/ul	469229	4	17.01	1984060	20.0
1H-Cyclopropa[l]p...	17.88	10.8	ng/ul	1074990	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	18.08	42.2	ng/ul	4189980	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	18.18	13.1	ng/ul	1299710	4	17.01	1984060	20.0
9,10-Anthracenedione	18.43	3.6	ng/ul	354666	4	17.01	1984060	20.0
1,1'-Biphenyl, 3,...	18.50	3.8	ng/ul	371847	4	17.01	1984060	20.0
Phenanthrene, 2,5...	18.80	4.7	ng/ul	462707	4	17.01	1984060	20.0
1,1'-Biphenyl, 3,...	18.86	4.3	ng/ul	428557	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	18.94	63.2	ng/ul	6267330	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	19.02	4.1	ng/ul	403431	4	17.01	1984060	20.0
1,1'-Biphenyl, 2,...	19.14	3.9	ng/ul	1300640	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	19.29	3.4	ng/ul	1119420	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	19.56	3.3	ng/ul	1104500	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	19.65	4.3	ng/ul	1427810	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	19.84	3.7	ng/ul	1249500	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	19.94	28.7	ng/ul	9592040	5	21.22	6683550	20.0
11H-Benzo[a]fluorene	20.05	4.3	ng/ul	1431760	5	21.22	6683550	20.0
Pyrene, 1-methyl-	20.10	2.7	ng/ul	895423	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	20.14	4.0	ng/ul	1325190	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	20.27	8.5	ng/ul	2828900	5	21.22	6683550	20.0
1,1'-Biphenyl, 2,...	20.30	2.8	ng/ul	929722	5	21.22	6683550	20.0
unknown-01	21.34	3.1	ng/ul	1030920	5	21.22	6683550	20.0
Diphenylvinylphos...	21.37	2.3	ng/ul	776989	5	21.22	6683550	20.0
Nonanedioic acid,...	21.79	50.1	ng/ul	16755700	5	21.22	6683550	20.0