LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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	4.893	369	375	384	rBB	154159	229811	1.41%	0.125%
2	6.757	686	692	702	rBB	313552	480743	2.94%	0.261%
3	6.910	712	718	726	rBB	230240	347447	2.13%	0.188%
4	7.104	745	751	760	rBV	352978	546640	3.35%	0.296%
5	7.457	804	811	818	rBB	550988	830292	5.08%	0.450%
6	7.569	823	830	833	rBV	254195	427511	2.62%	0.232%
7	7.604	833	836	844	rVB	593914	884424	5.41%	0.480%
8	7.916	884	889	895	rBB	27656	42079	0.26%	0.023%
9	8.292	946	953	965	rBB	390481	622203	3.81%	0.337%
10	8.734	1021	1028	1035	rBV	299943	473458	2.90%	0.257%
11	9.334	1126	1130	1137	rVB	16256	25851	0.16%	0.014%
12	9.451	1143	1150	1157	rBV	271459	440578	2.70%	0.239%
13	9.998	1236	1243	1251	rBV	407626	756962	4.63%	0.410%
14	10.063	1251	1254	1260	rVB	25374	37883	0.23%	0.021%
15	10.245	1275	1285	1291	rBV	8511886	15563613	95.28%	8.440%
16	10.369	1299	1306	1312	rBV	365030	569788	3.49%	0.309%
17	10.510	1323	1330	1341	rBV	351557	578154	3.54%	0.314%
18	10.745	1363	1370	1378	rBB	806081	1261899	7.73%	0.684%
19	11.939	1568	1573	1578	rBB	27298	38392	0.24%	0.021%
20	12.410	1644	1653	1661	rBB	552616	904410	5.54%	0.490%
21	12.739	1704	1709	1717	rVB2	68403	110674	0.68%	0.060%
22	12.827	1718	1724	1729	rBV	17017	25738	0.16%	0.014%
23	13.027	1751	1758	1762	rBV	389477	599028	3.67%	0.325%
24	13.069	1762	1765	1770	rVB	78294	106685	0.65%	0.058%
25	13.657	1858	1865	1869	rBV	668534	968465	5.93%	0.525%
26	13.704	1869	1873	1880	rVB	682419	907575	5.56%	0.492%
27	13.933	1905	1912	1920	rBV	786711	1126110	6.89%	0.611%
28	14.057	1928	1933	1940	rVB5	16998	33720	0.21%	0.018%
29	14.239	1958	1964	1971	rVB2	498977	766714	4.69%	0.416%
30	14.474	1997	2004	2013	rBV	284209	426682	2.61%	0.231%
31	15.068	2101	2105	2113	rVB	74614	108869	0.67%	0.059%
32	15.239	2128	2134	2139	rBV	999885	1398378	8.56%	0.758%
33	15.380	2153	2158	2167	rVB	241421	334443	2.05%	0.181%
34	15.498	2168	2178	2183	rBV5	31756	55121	0.34%	0.030%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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	15.974	2251	2259	2264	rBV2	51399	106101	0.65%	0.058%
36	16.221	2294	2301	2306	rBV4	14553	28172	0.17%	0.015%
37	16.521	2348	2352	2356	rBV3	21868	38629	0.24%	0.021%
38	16.562	2356	2359	2366	rVB	51861	68083	0.42%	0.037%
39	16.798	2393	2399	2407	rVB5	31189	59476	0.36%	0.032%
40	16.992	2426	2432	2437	rBV	643316	930967	5.70%	0.505%
41	17.092	2443	2449	2458	rVB2	1072908	1515623	9.28%	0.822%
42	17.168	2458	2462	2467	rBV7	16963	33914	0.21%	0.018%
43	17.386	2494	2499	2500	rBV4	19570	24951	0.15%	0.014%
44	17.545	2522	2526	2529	rBV	29379	38972	0.24%	0.021%
45	17.704	2550	2553	2560	rBV6	24726	42157	0.26%	0.023%
46	17.786	2563	2567	2571	rVV	36076	49153	0.30%	0.027%
47	17.851	2573	2578	2579	rBV4	29029	38295	0.23%	0.021%
48	17.892	2582	2585	2594	rVB3	76619	125419	0.77%	0.068%
49	18.062	2609	2614	2619	rBV	273237	352172	2.16%	0.191%
50	18.121	2622	2624	2628	rVB3	36858	40439	0.25%	0.022%
51	18.162	2628	2631	2637	rBV	57788	79343	0.49%	0.043%
52	18.274	2646	2650	2655	rVB2	69173	90621	0.55%	0.049%
53	18.462	2678	2682	2686	rBV2	63761	82634	0.51%	0.045%
54	18.609	2703	2707	2712	rVB	113428	149586	0.92%	0.081%
55	18.921	2753	2760	2768	rBV	3193705	4052845	24.81%	2.198%
56	19.062	2780	2784	2788	rBV	89728	118405	0.72%	0.064%
57	19.127	2789	2795	2800	rVV2	428242	613500	3.76%	0.333%
58	19.215	2803	2810	2816	rVB	4130807	5425564	33.22%	2.942%
59	19.274	2816	2820	2824	rBV4	53286	75696	0.46%	0.041%
60	19.403	2836	2842	2850	rBV	1353154	1900046	11.63%	1.030%
61	19.468	2850	2853	2858	rVV	104802	132258	0.81%	0.072%
62	19.551	2862	2867	2872	rVV	500708	620884	3.80%	0.337%
63	19.633	2876	2881	2883	rVV	1798800	2351104	14.39%	1.275%
64	19.656	2883	2885	2892	rVB	1765492	2008788	12.30%	1.089%
65	19.780	2901	2906	2910	rBV	3664208	4586595	28.08%	2.487%
66	19.827	2910	2914	2921	rVV	1532135	2692810	16.49%	1.460%
67	19.933	2925	2932	2936	rBV	10854170	13202390	80.83%	7.160%
68	19.974	2936	2939	2944	rVB	644057	770755	4.72%	0.418%
69	20.051	2947	2952	2956	rBV	543537	661276	4.05%	0.359%
70	20.127	2958	2965	2971	rVB	1476273	1877766	11.50%	1.018%
71	20.215	2973	2980	2984	rBV	11964506	15803421	96.75%	8.570%

LSC Area Percent Report

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Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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	20.262	2984	2988	2996	rVB	3338289	3886018	23.79%	2.107%
73	20.362	2999	3005	3011	rBV2	4959939	6595359	40.38%	3.577%
74	20.456	3016	3021	3024	rVV	979754	1200756	7.35%	0.651%
75	20.533	3024	3034	3039	rVV	8426284	15506848	94.93%	8.409%
76	20.574	3039	3041	3044	rVV	991165	964570	5.91%	0.523%
77	20.609	3044	3047	3049	rVV	170495	201505	1.23%	0.109%
78	20.639	3049	3052	3053	rVV	209036	248791	1.52%	0.135%
79	20.674	3053	3058	3063	rVV	6069369	7080724	43.35%	3.840%
80	20.733	3063	3068	3075	rVV	3047413	3598021	22.03%	1.951%
81	20.827	3080	3084	3087	rBV	886326	1068867	6.54%	0.580%
82	20.868	3087	3091	3095	rVV	581284	721827	4.42%	0.391%
83	20.939	3095	3103	3108	rVV	5144971	6716180	41.12%	3.642%
84	20.997	3108	3113	3118	rVV	3196747	3895674	23.85%	2.113%
85	21.050	3118	3122	3125	rVV	1395036	1658611	10.15%	0.899%
86	21.080	3125	3127	3132	rVV2	702027	1035501	6.34%	0.562%
87	21.150	3135	3139	3143	rVV	790722	974866	5.97%	0.529%
88	21.239	3143	3154	3158	rVV2	11834763	16334303	100.00%	8.858%
89	21.286	3158	3162	3166	rVB	202305	228079	1.40%	0.124%
90	21.362	3172	3175	3181	rVB	277646	320157	1.96%	0.174%
91	21.539	3199	3205	3210	rBV	5182336	7161764	43.84%	3.884%
92	21.592	3210	3214	3219	rVB	1948447	2213666	13.55%	1.200%
93	21.662	3220	3226	3231	rVV	2319266	2783881	17.04%	1.510%
94	21.839	3252	3256	3261	rVB	157944	202265	1.24%	0.110%
95	21.992	3278	3282	3288	rVB	753643	997384	6.11%	0.541%
96	22.209	3314	3319	3324	rVV	1766460	2377638	14.56%	1.289%
97	22.262	3325	3328	3333	rVB2	92557	115024	0.70%	0.062%
98	22.644	3389	3393	3398	rBV2	212212	299120	1.83%	0.162%
99	23.262	3491	3498	3509	rVB	1034166	1984766	12.15%	1.076%
100	23.403	3516	3522	3535	rVB	645589	1210822	7.41%	0.657%

Sum of corrected areas: 184402137

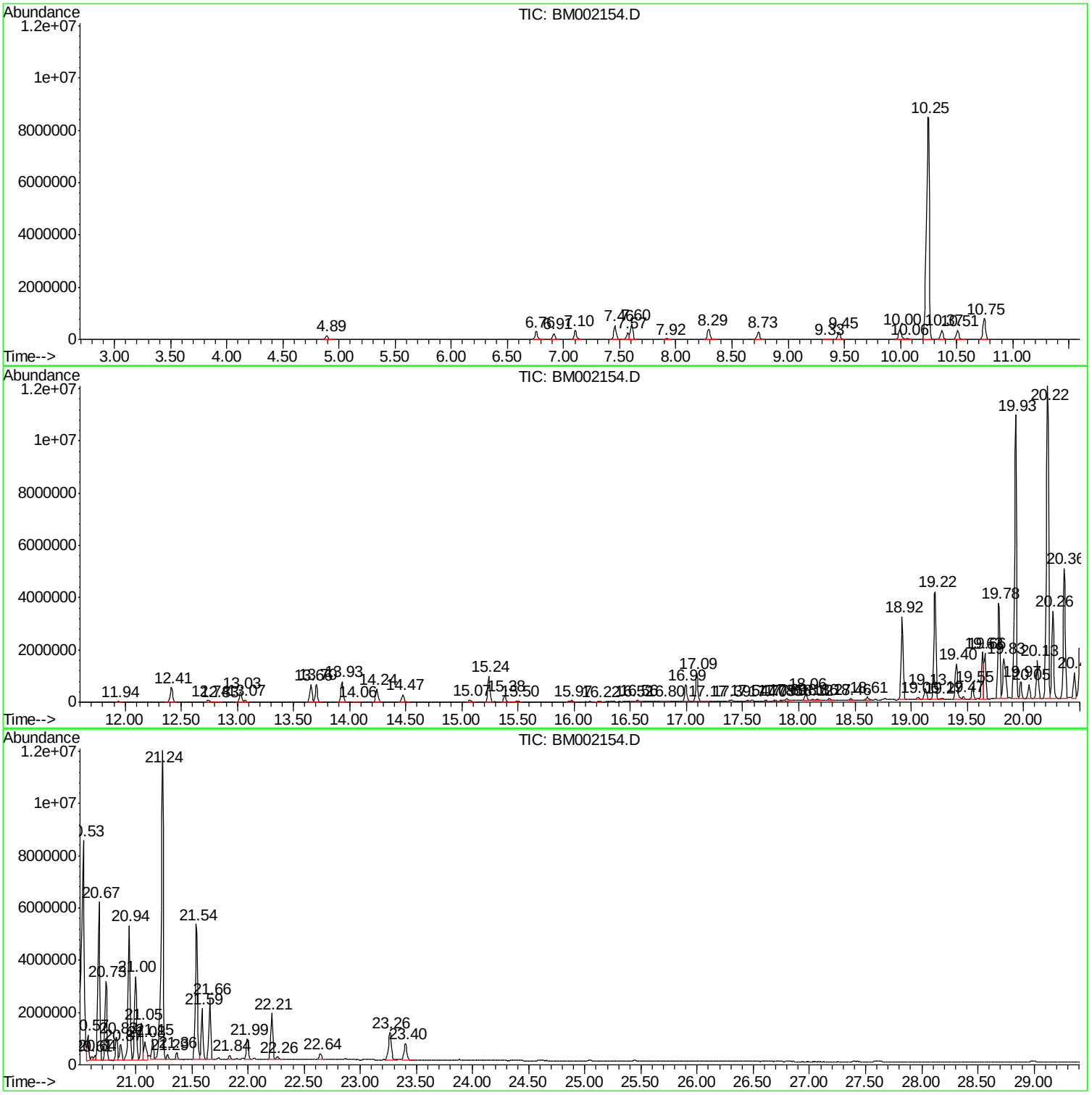
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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

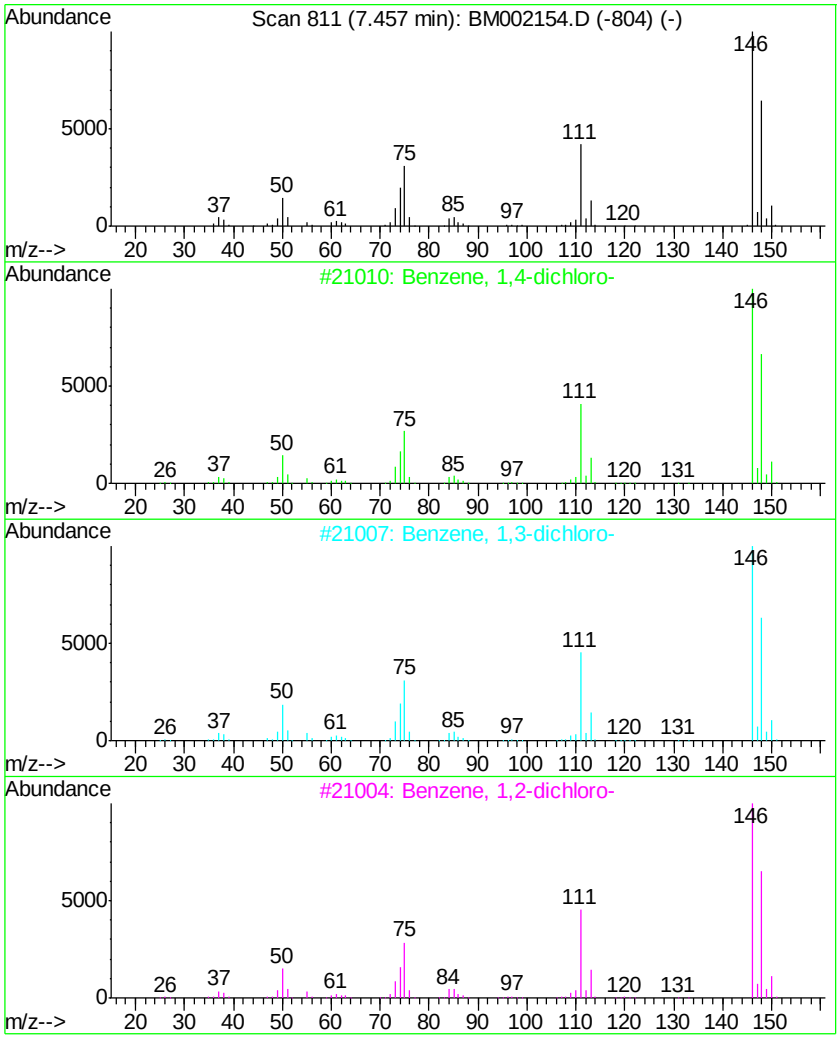
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

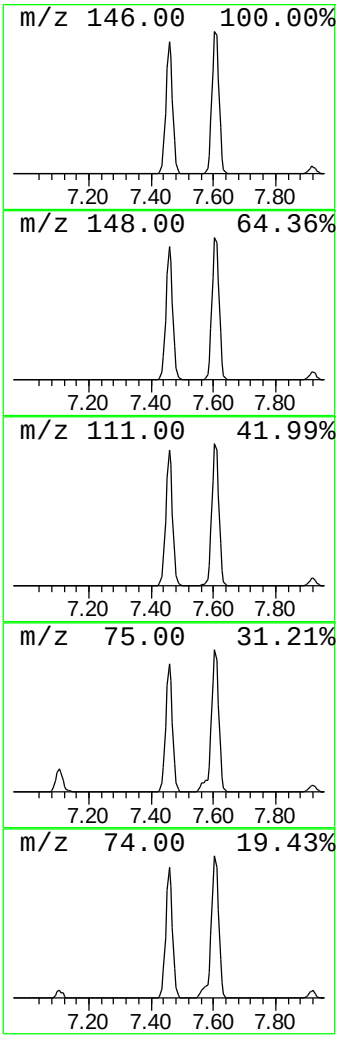
****

Peak Number 2 Benzene, 1,4-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	38.84 ng/ul	830292	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	98
2	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	98
3	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	98
4	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96
5	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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

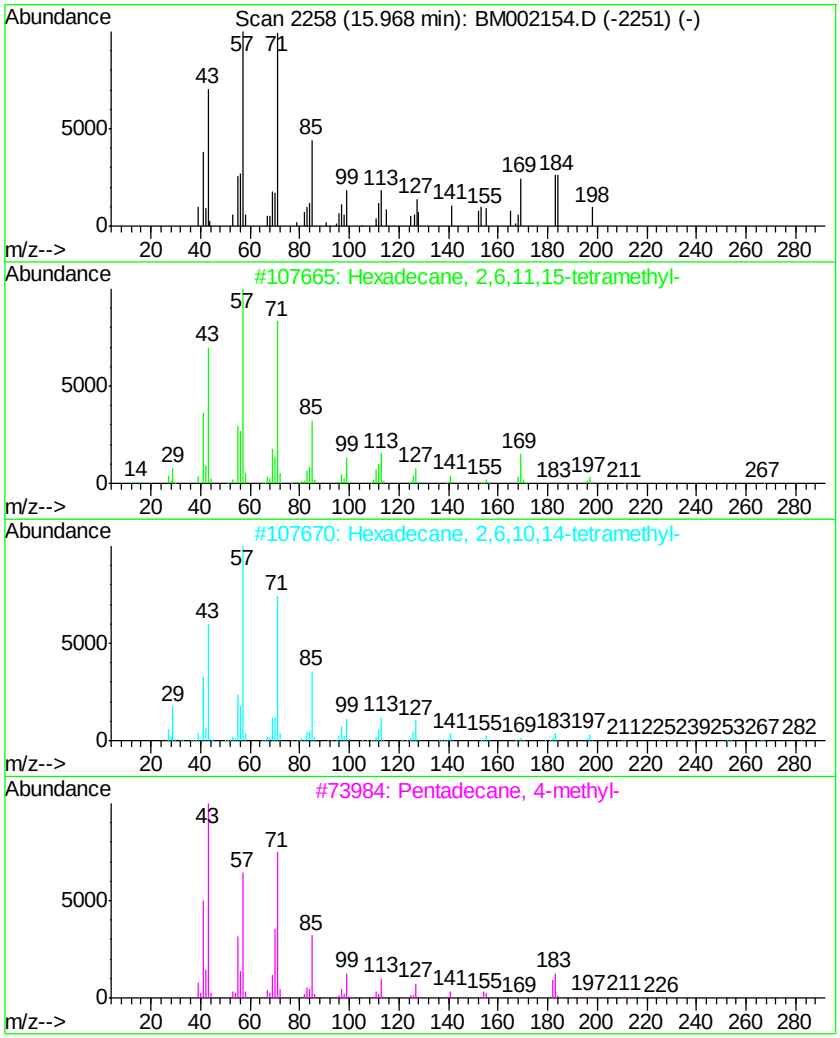
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

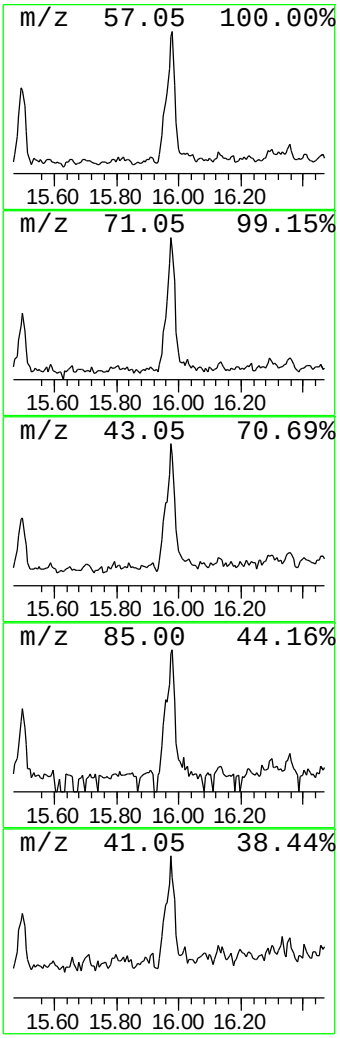
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	2.28 ng/ul	106101	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	81
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Pentadecane, 4-methyl-	226	C16H34	002801-87-8	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Triacontane	422	C30H62	000638-68-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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

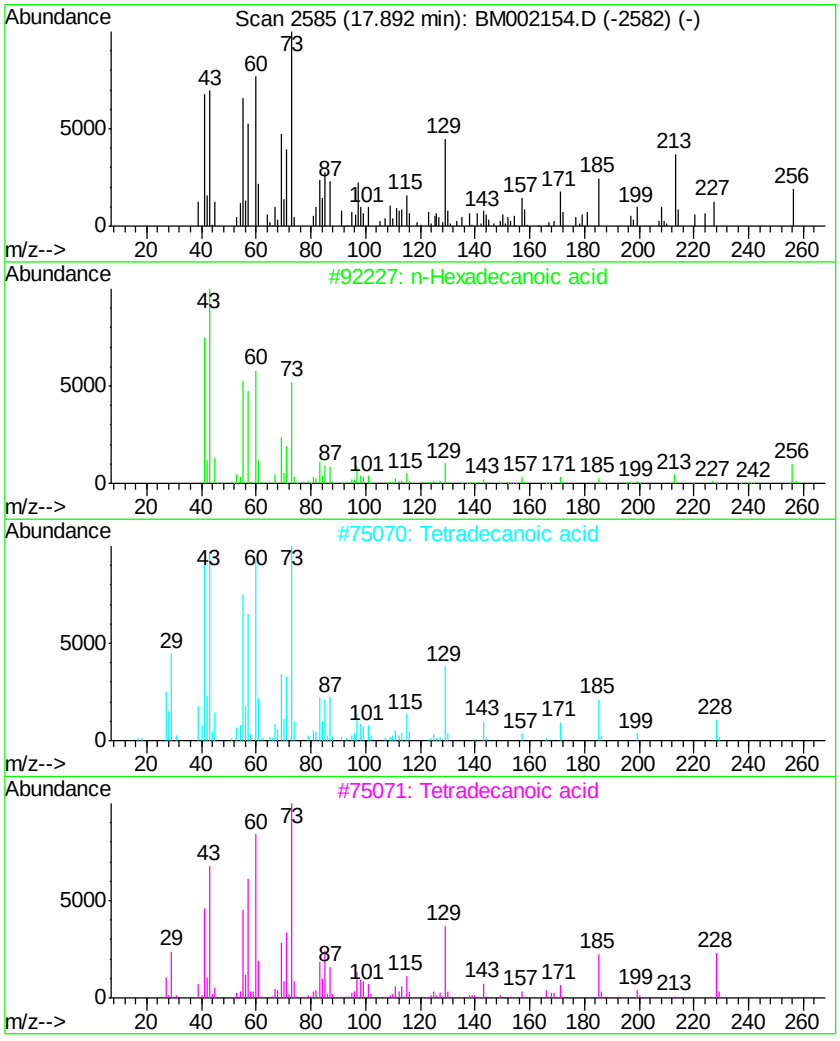
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

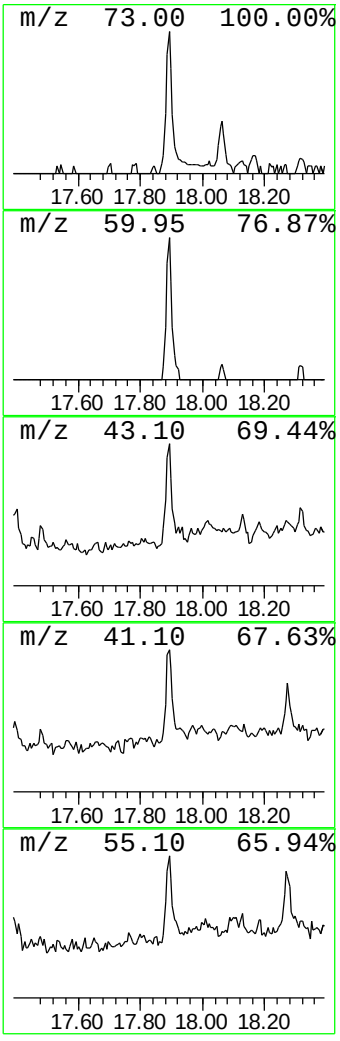
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.69 ng/ul	125419	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	60
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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

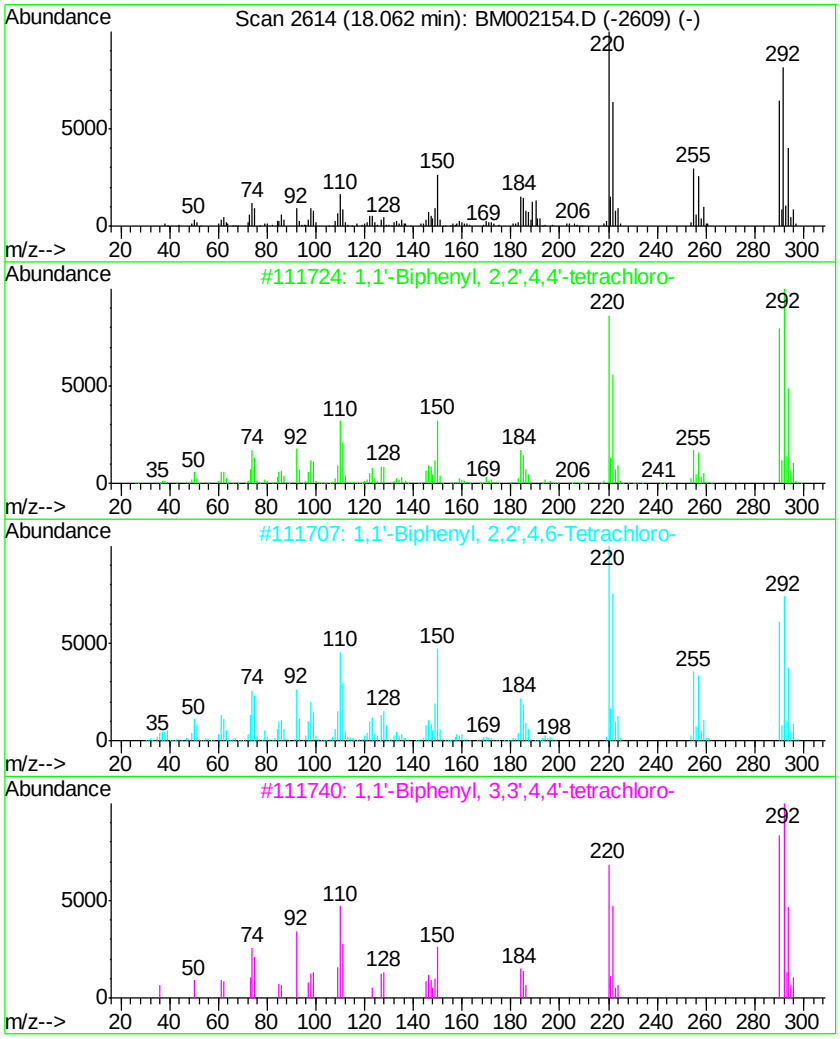
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

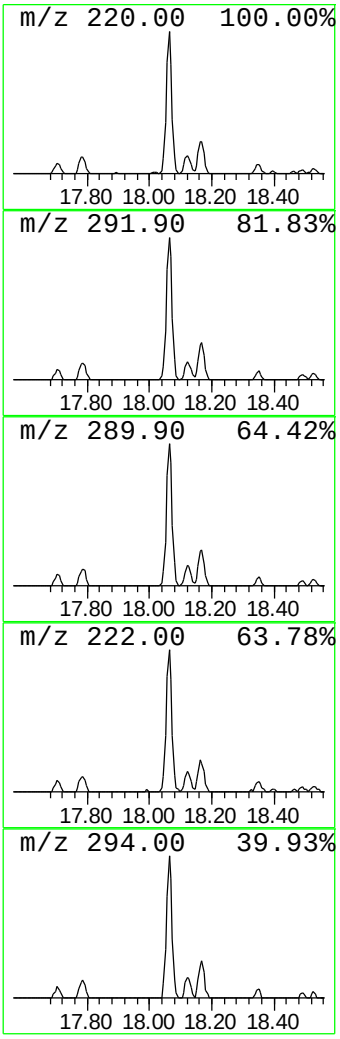
****

Peak Number 7 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.57 ng/ul	352172	Phenanthrene-d10	16.99

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',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	95
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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

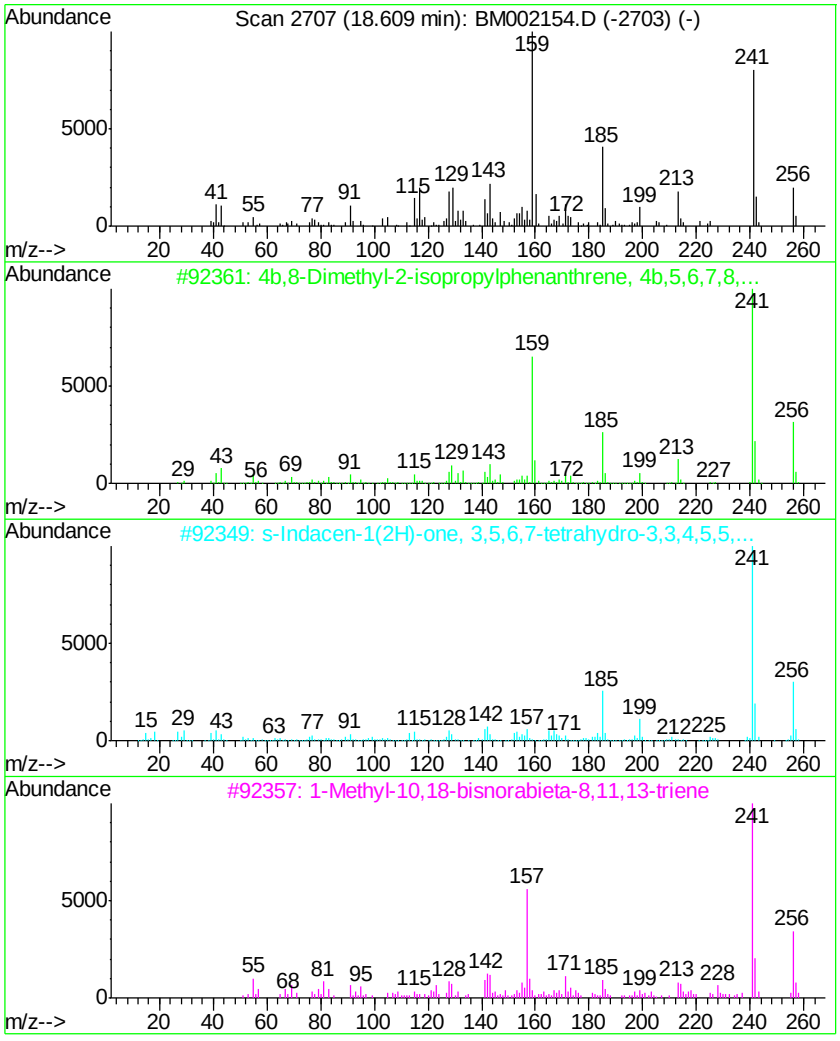
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

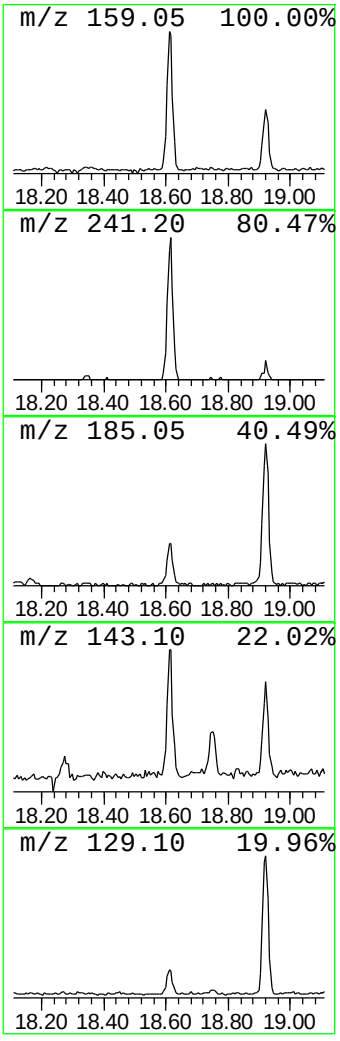
****

Peak Number 8 4b,8-Dimethyl-2-isopropylph... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	3.21 ng/ul	149586	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	94
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	59
3	1-Methyl-10,18-bisnorabieta-8,11...	256	C19H28	1000293-16-9	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
5	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	30





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Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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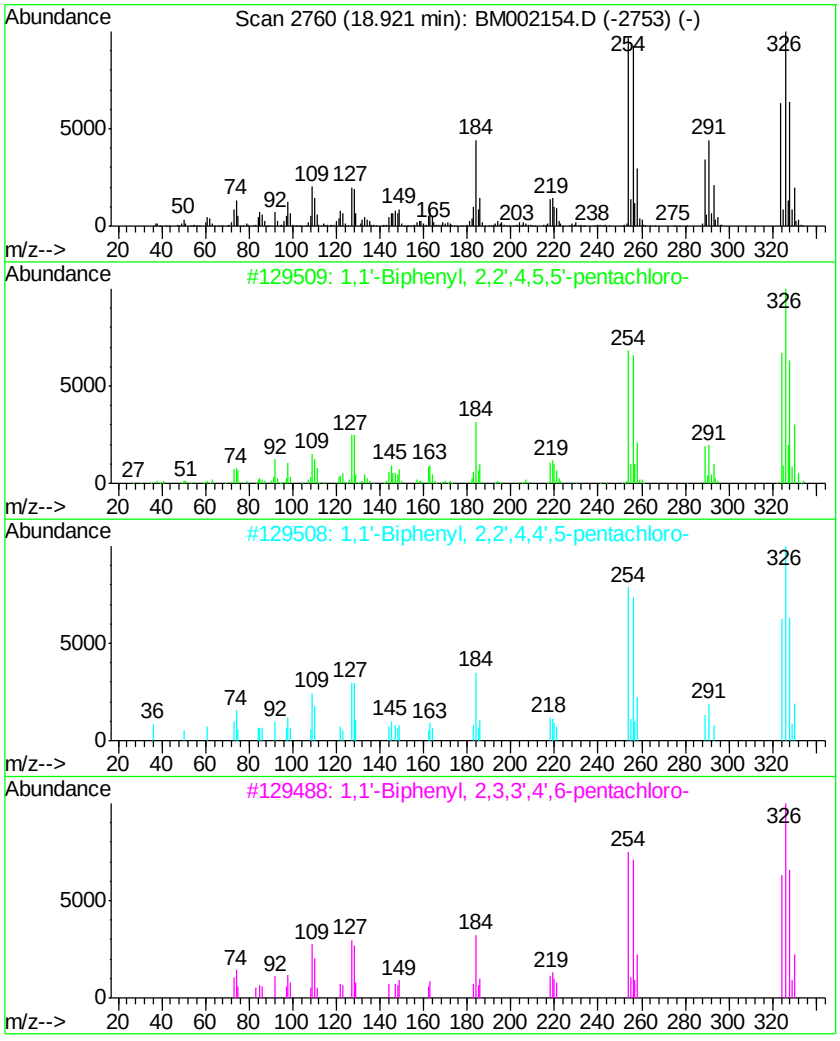
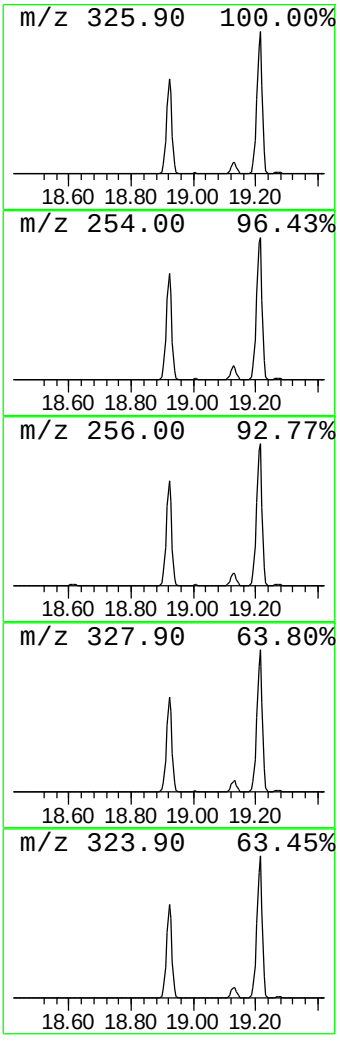
Peak Number 9 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	87.07 ng/ul	4052850	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	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',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
5	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99





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Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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Quant Title : SVOA CALIBRATION

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

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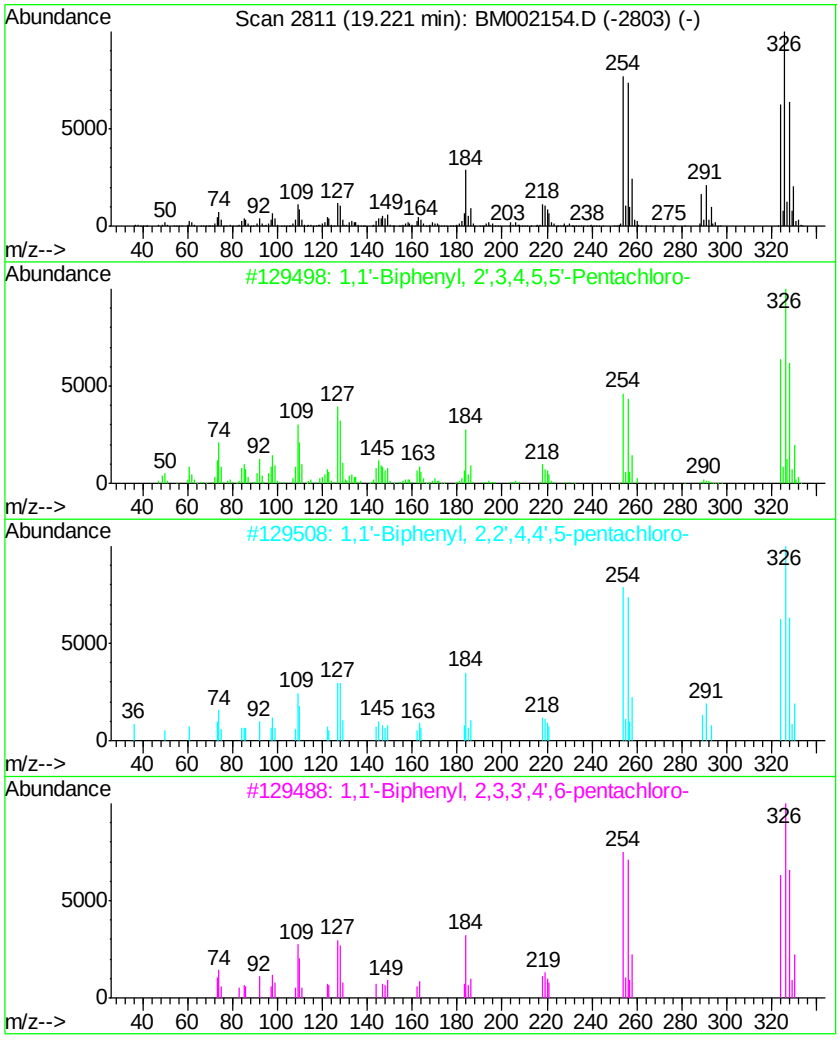
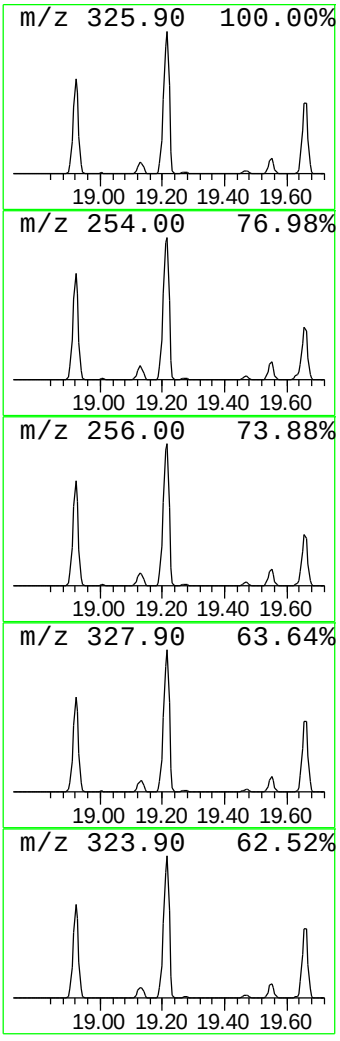
Peak Number 10 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	6.64 ng/ul	5425560	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	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',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	98
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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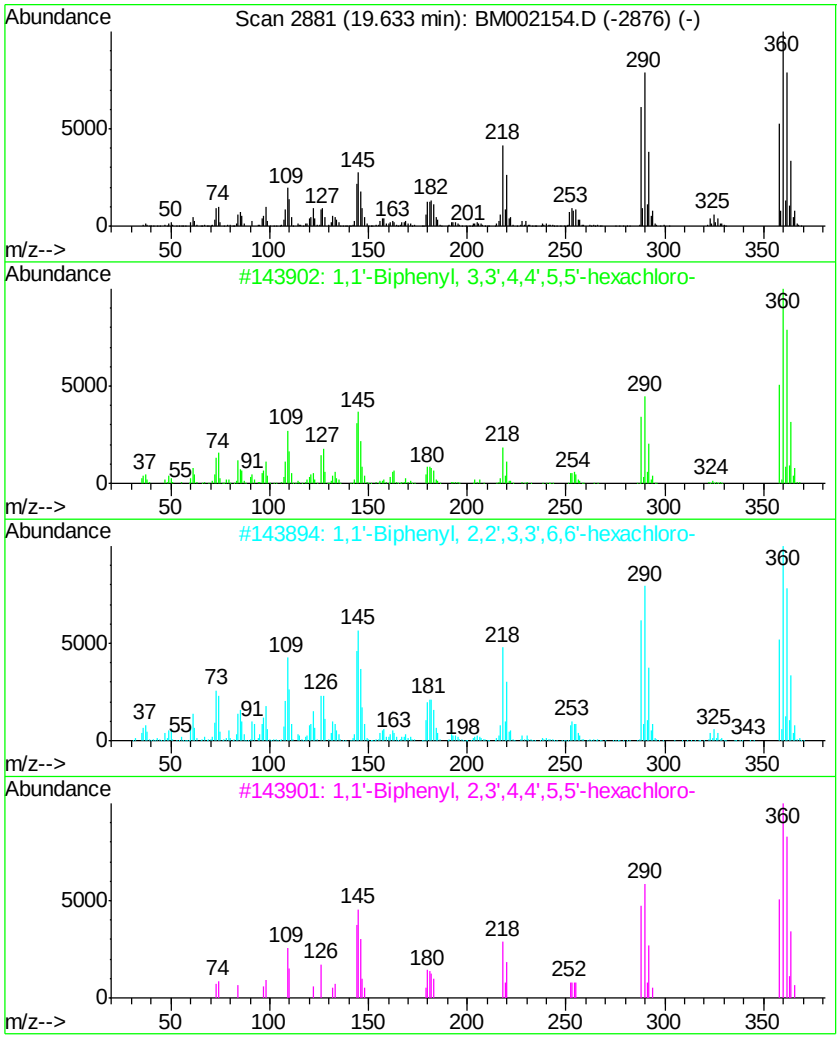
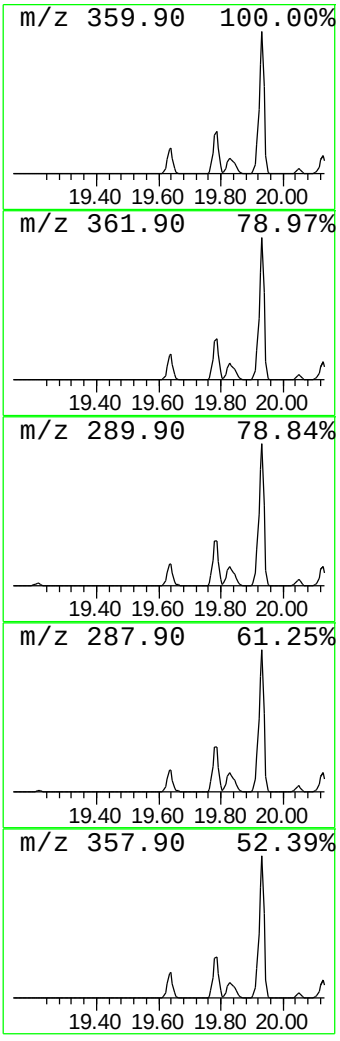
Peak Number 11 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	2.88 ng/ul	2351100	Chrysene-d12	21.21

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',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98





Library Search Compound Report

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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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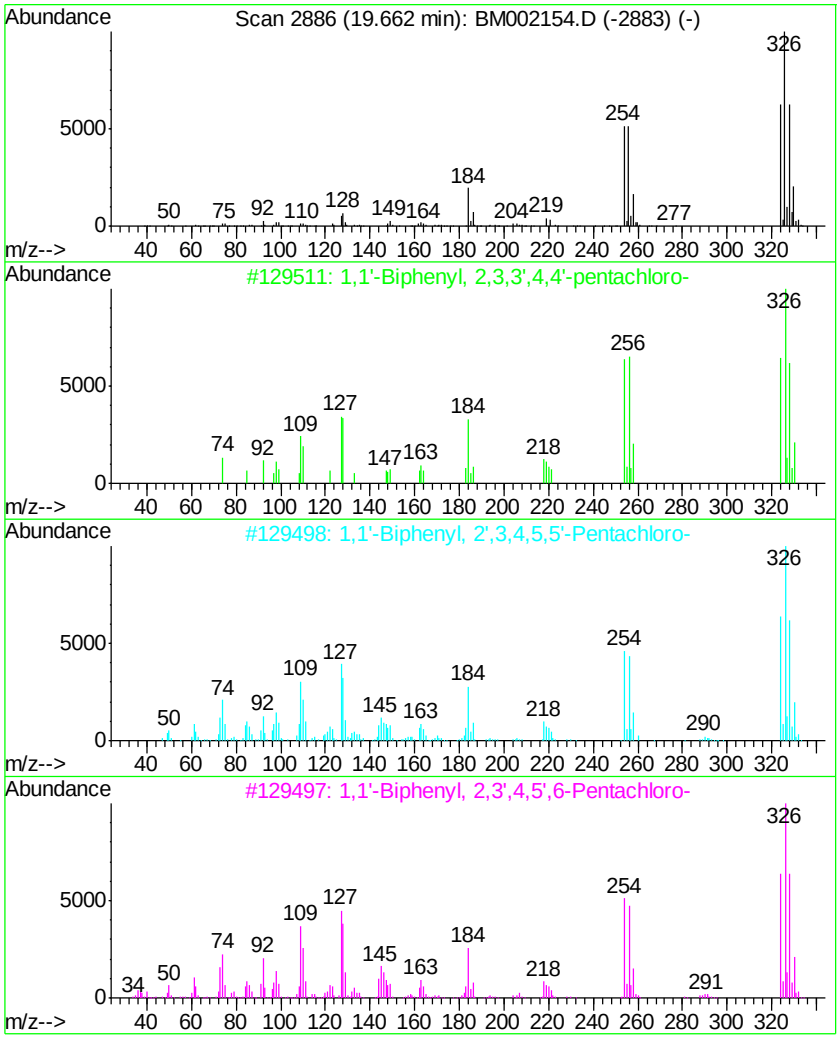
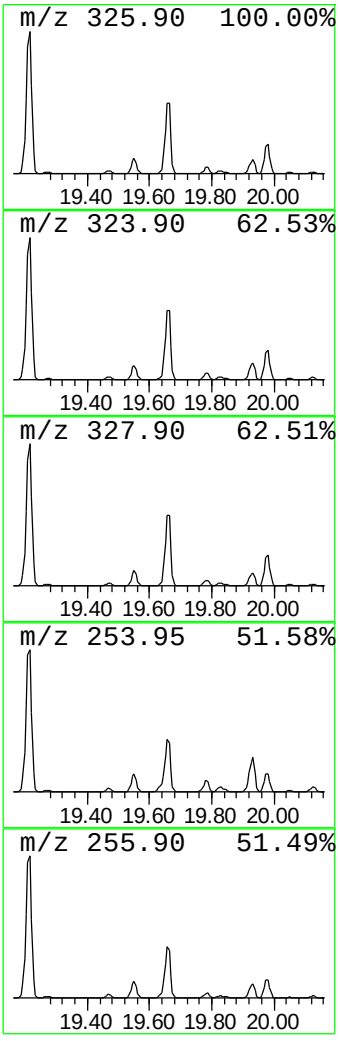
Peak Number 12 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	2.46 ng/ul	2008790	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
2	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	95





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Instrument : BNA_M
ClientSampleId : C02A0

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Quant Title : SVOA CALIBRATION

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

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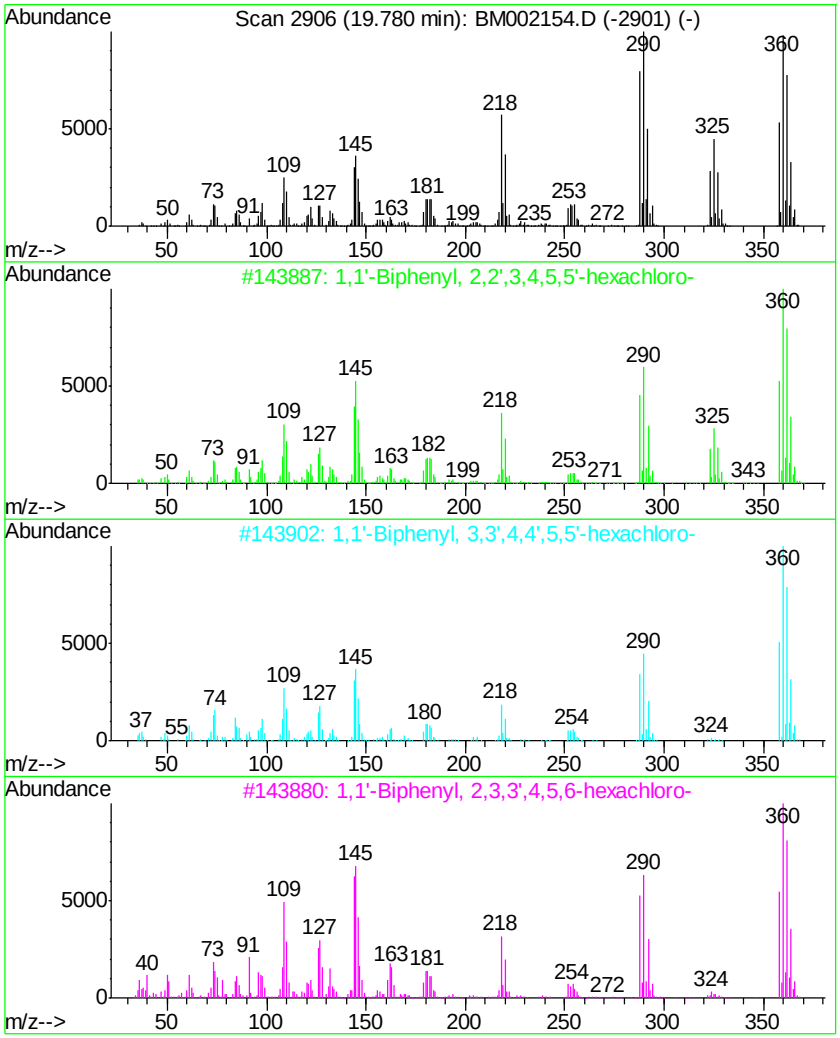
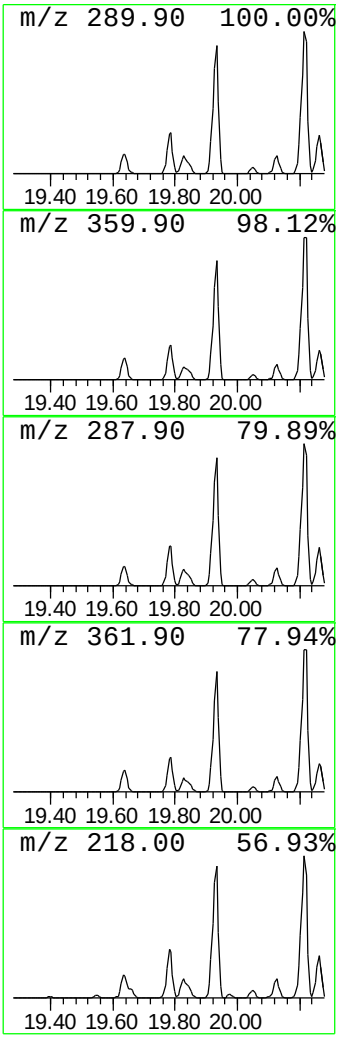
Peak Number 13 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	5.62 ng/ul	4586600	Chrysene-d12	21.21

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, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	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',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99





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Misc :
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Instrument : BNA_M
ClientSampleId : C02A0

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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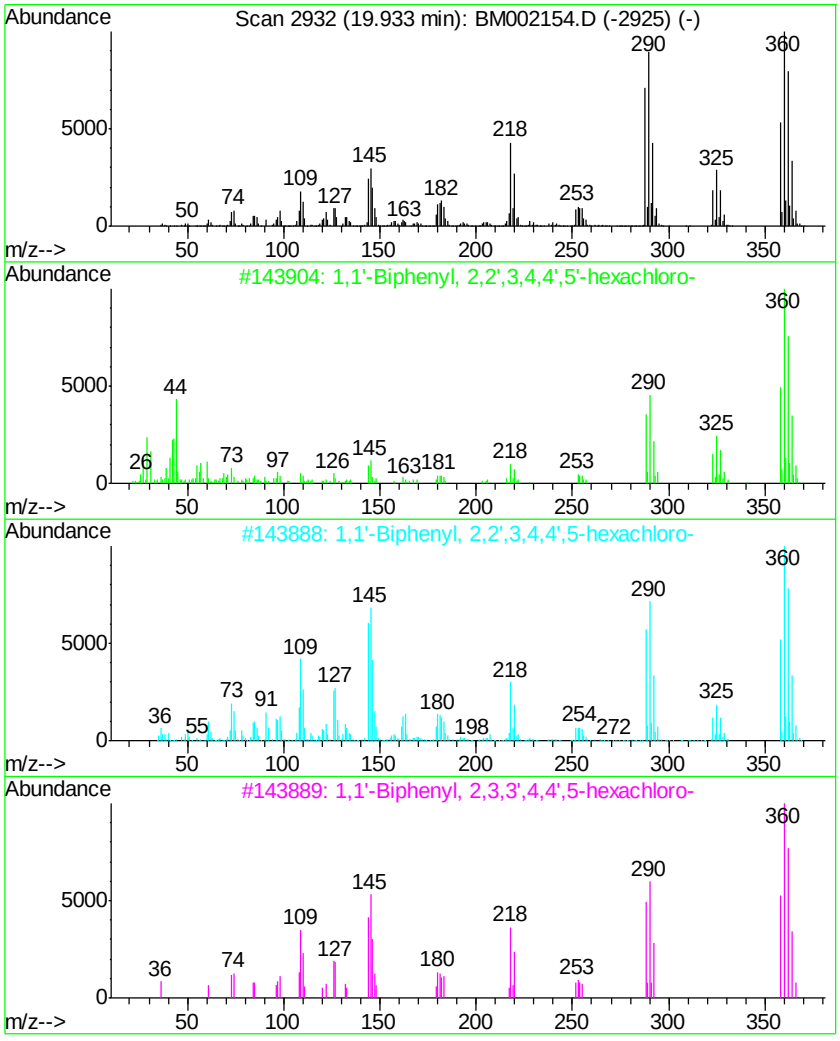
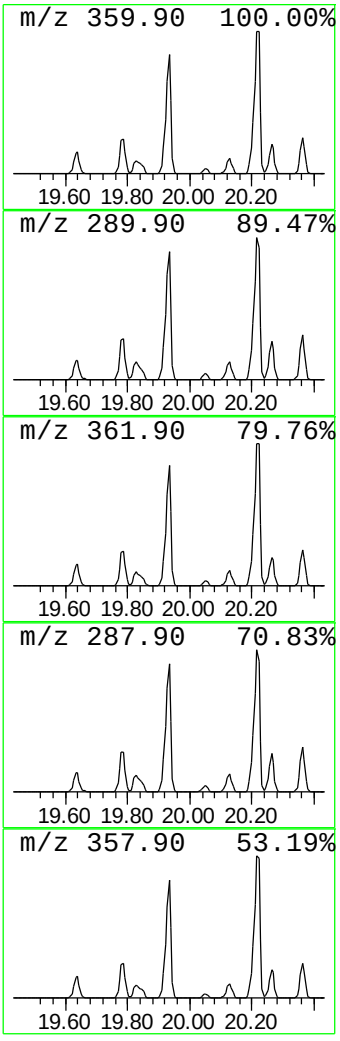
Peak Number 15 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	16.17 ng/ul	13202400	Chrysene-d12	21.21

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',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99





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Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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Quant Title : SVOA CALIBRATION

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

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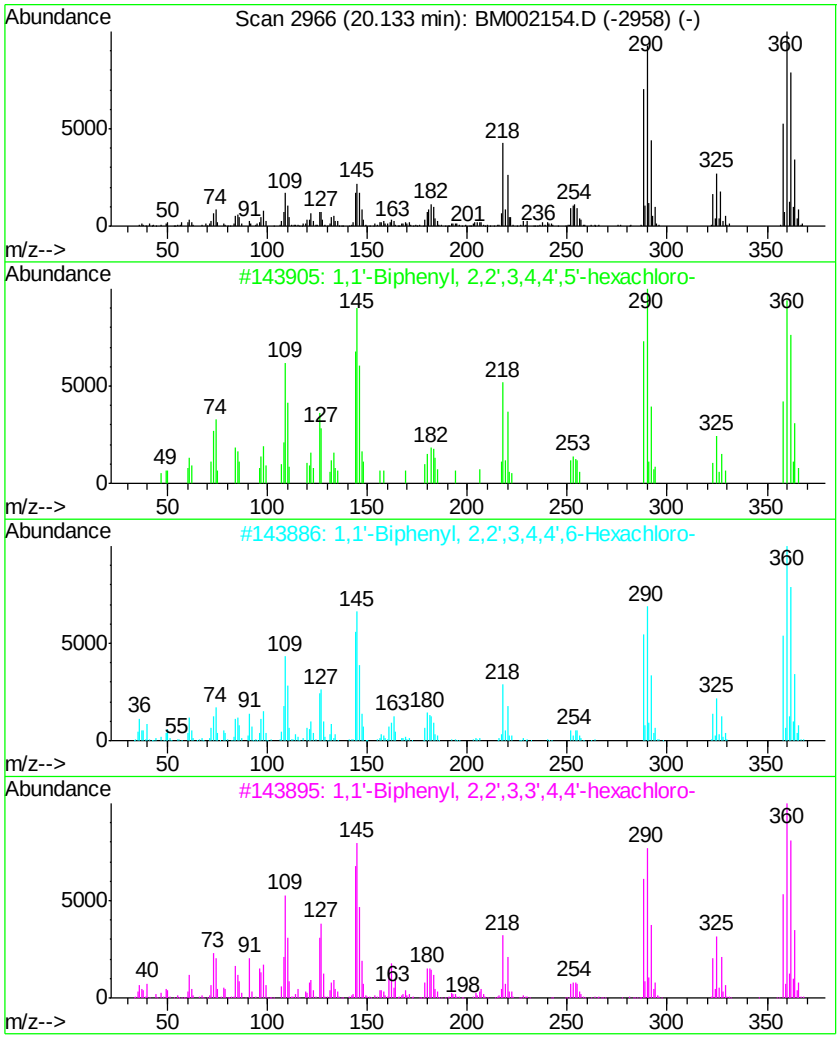
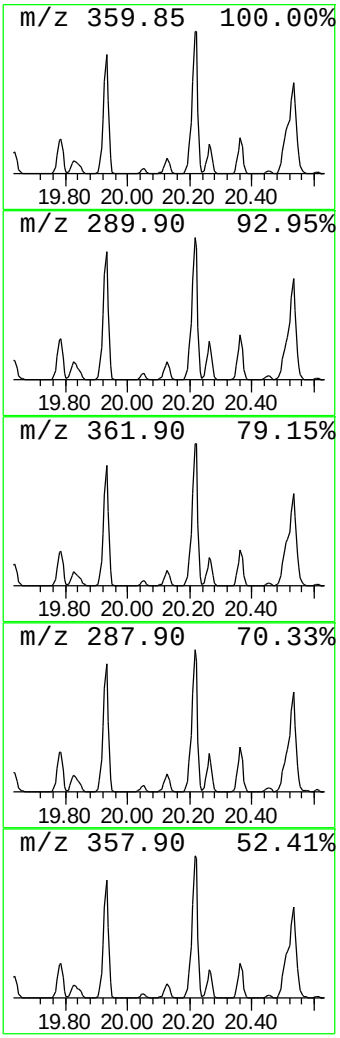
Peak Number 16 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	2.30 ng/ul	1877770	Chrysene-d12	21.21

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',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
4	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99





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Instrument : BNA_M
ClientSampleId : C02A0

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Quant Title : SVOA CALIBRATION

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

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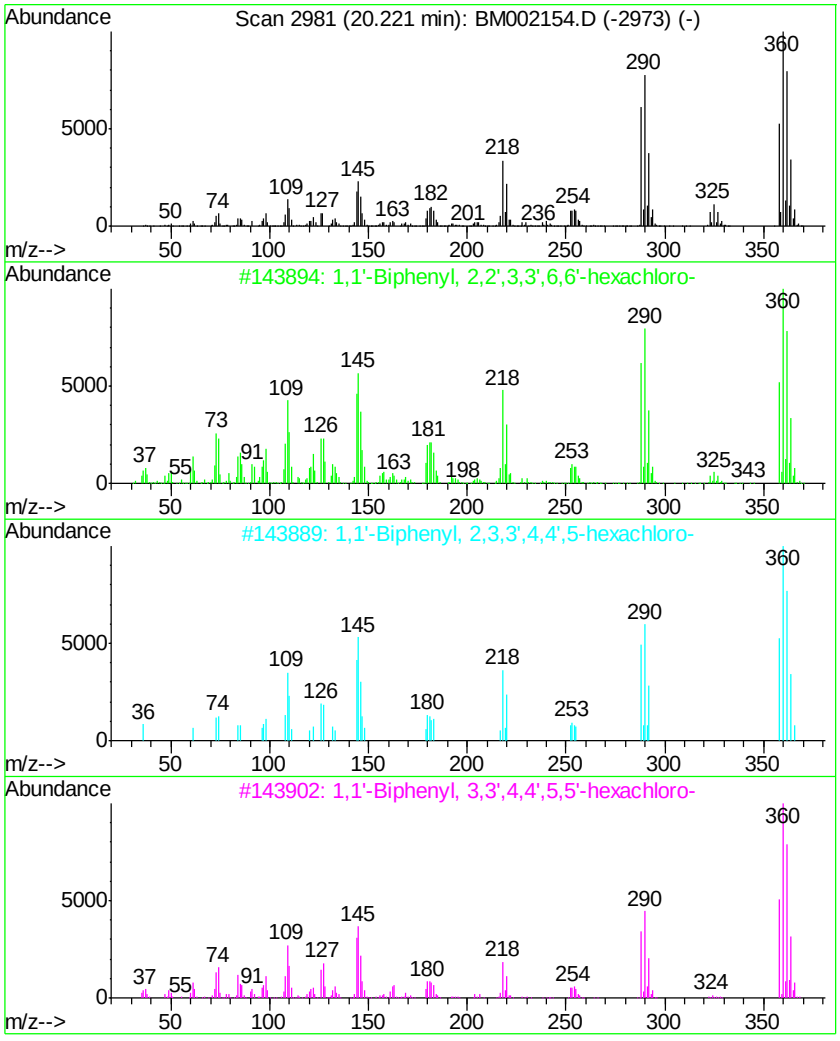
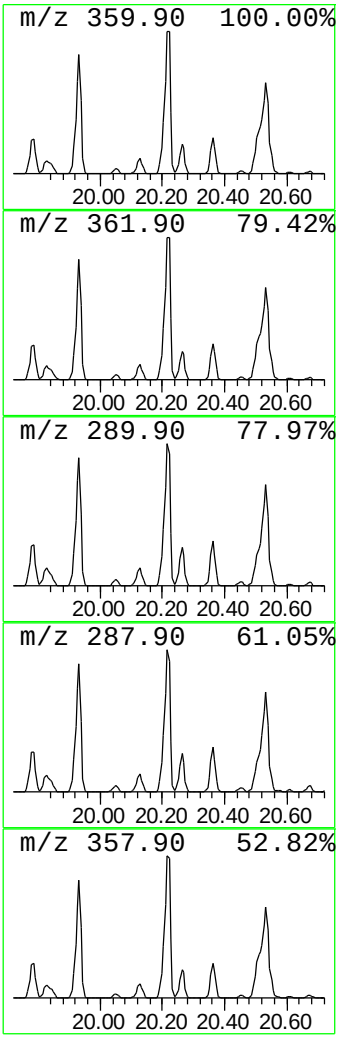
Peak Number 17 1,1'-Biphenyl, 2,2',3,3',6,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	19.35 ng/ul	15803400	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	97





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Instrument : BNA_M
ClientSampleId : C02A0

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Quant Title : SVOA CALIBRATION

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

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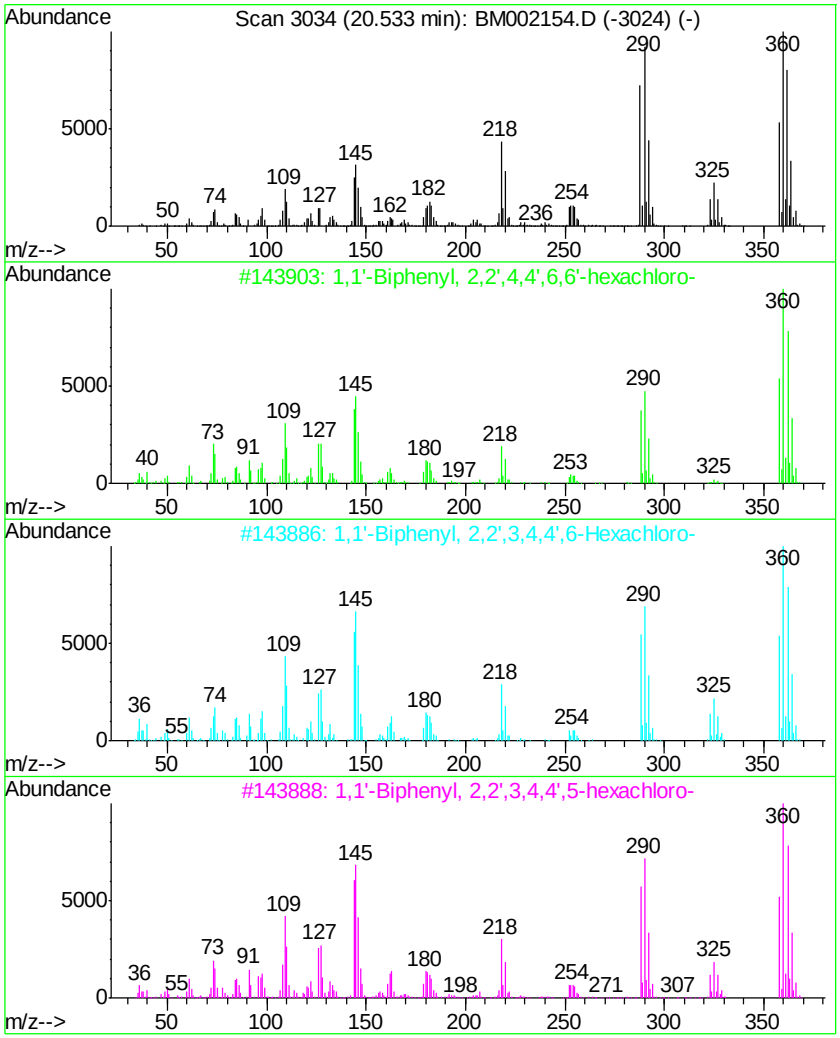
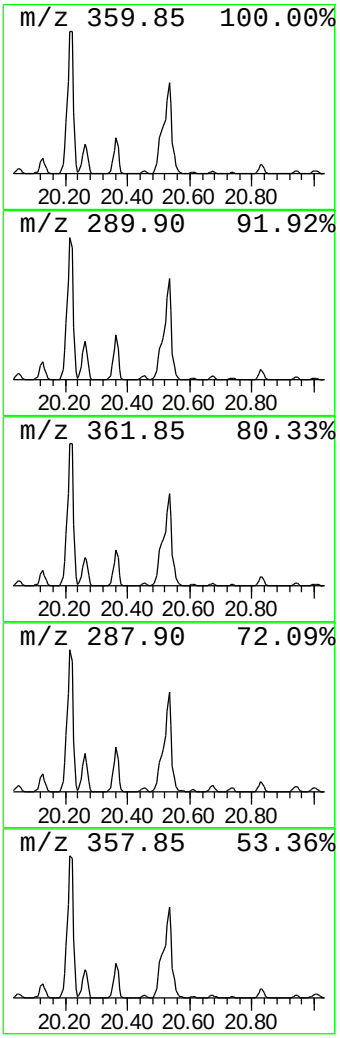
Peak Number 20 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	18.99 ng/ul	15506800	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
2	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
3	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99





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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 22 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	4.41 ng/ul	3598020	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
4	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
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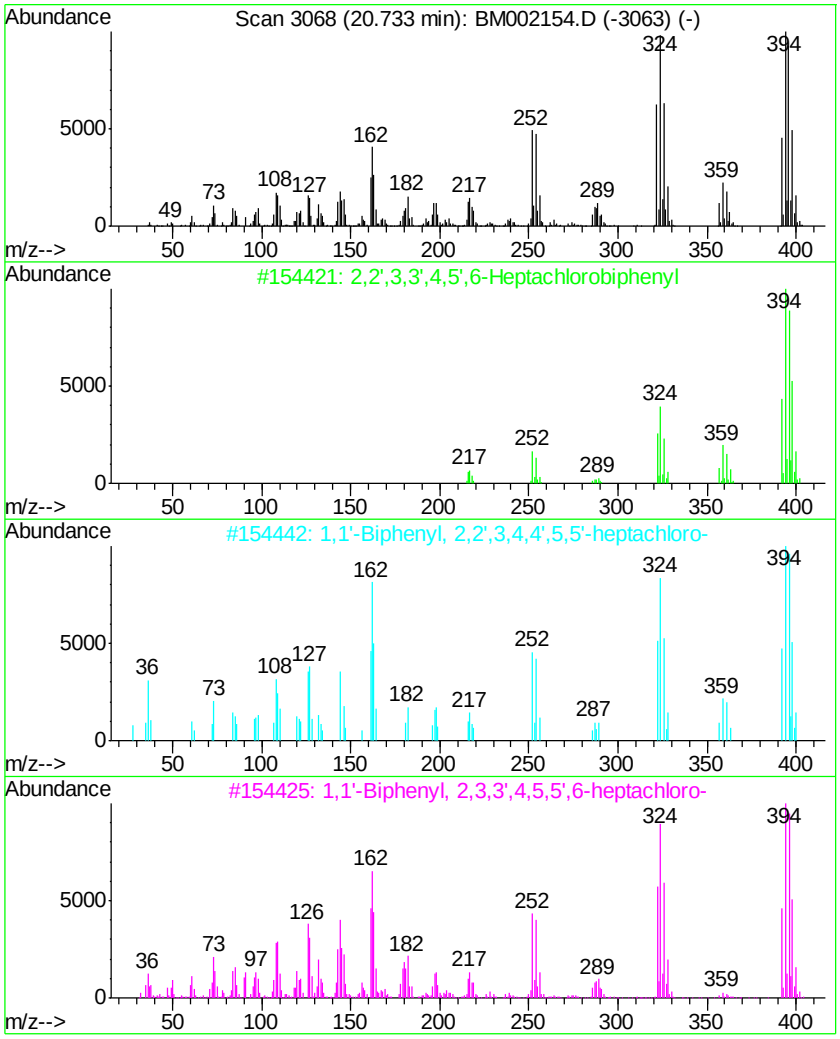

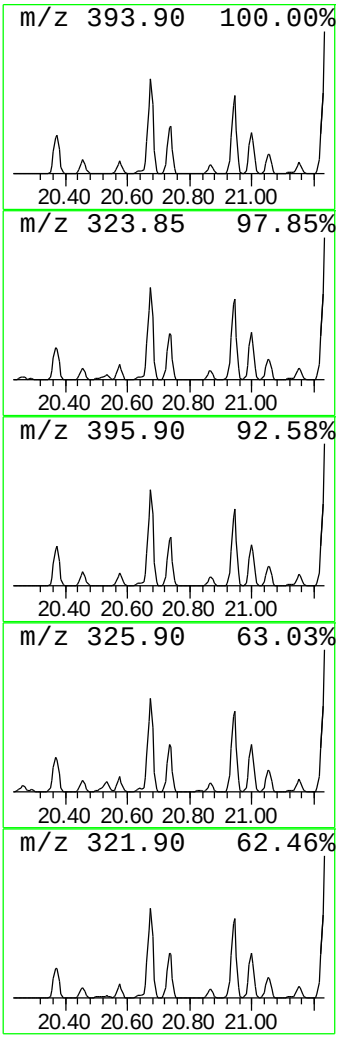

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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : C02A0

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TIC Integration Parameters: LSCINT.P

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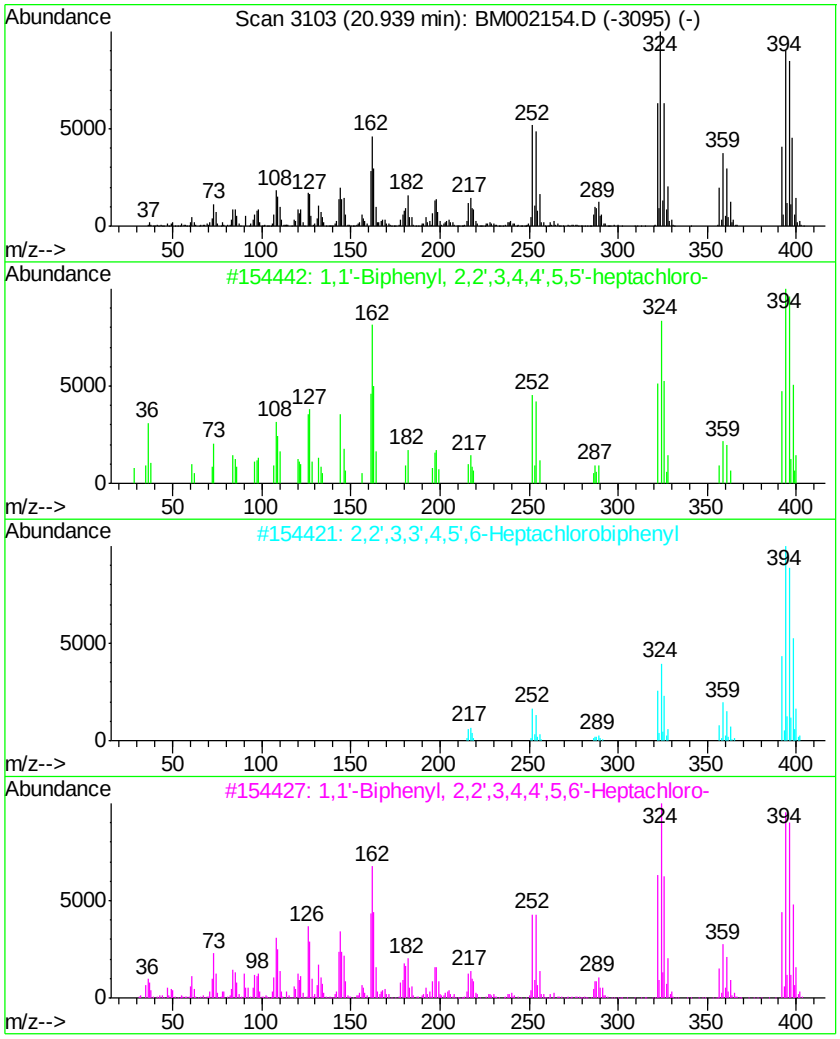
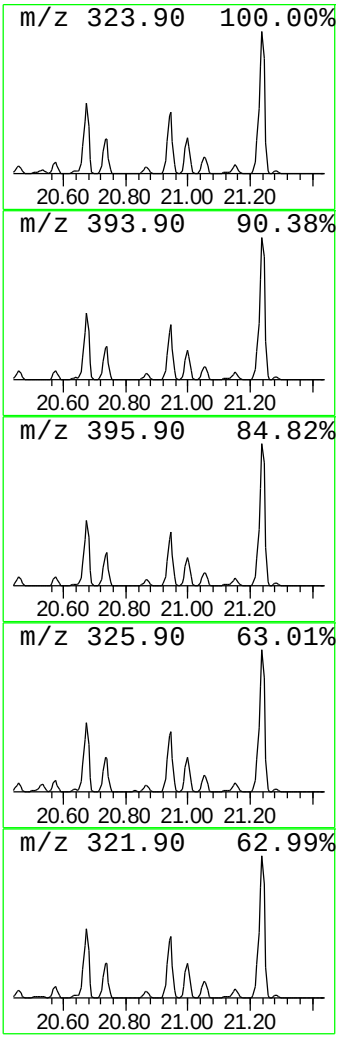
Peak Number 23 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	8.22 ng/ul	6716180	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
5	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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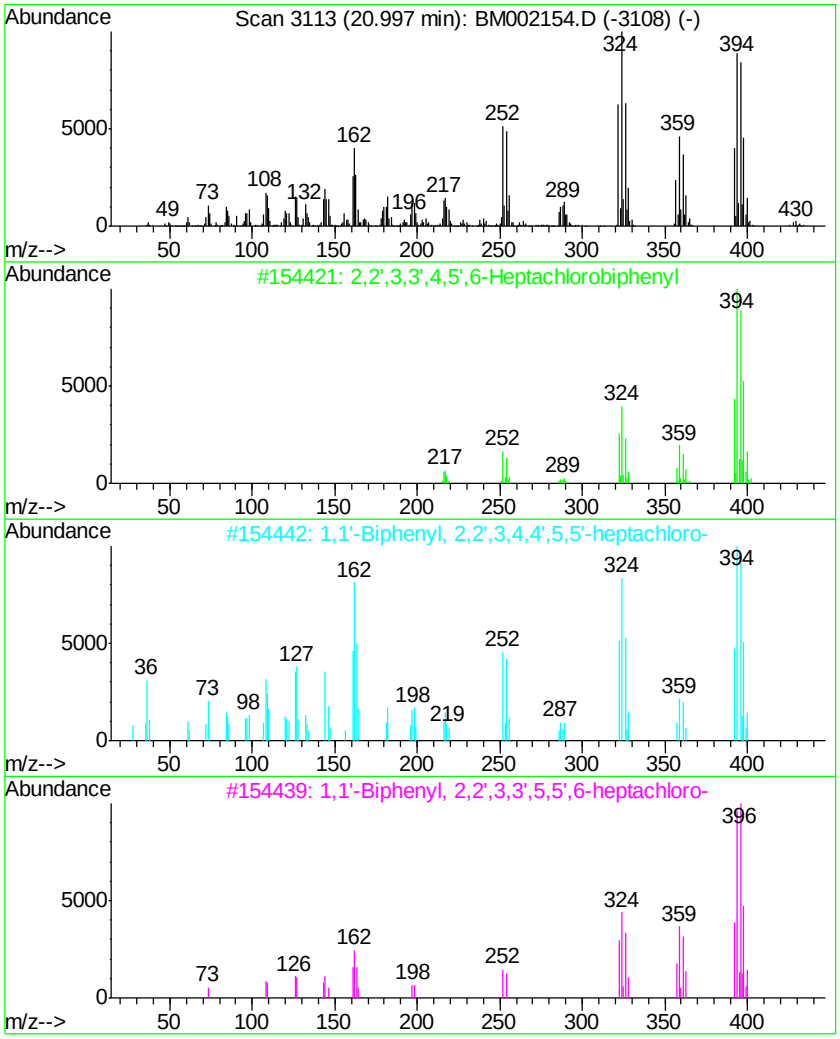
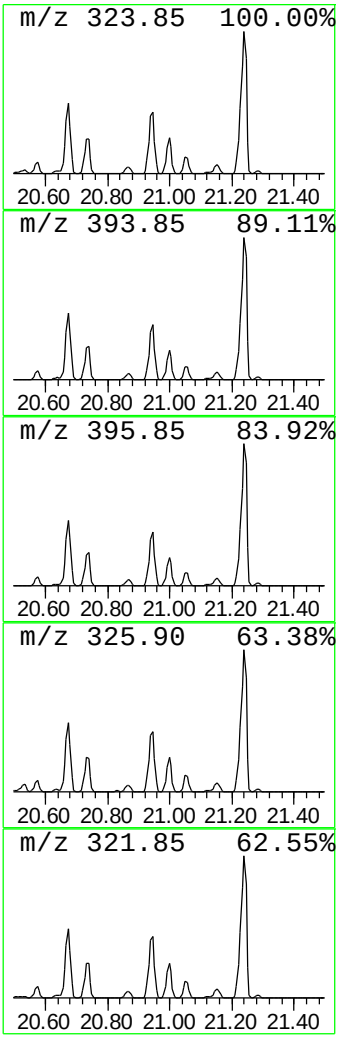
Peak Number 24 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.77 ng/ul	3895670	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
4	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
5	1,1'-Biphenyl, 2,2',3,3',4,5,5'-...	392	C12H3Cl7	052663-74-8	99





Library Search Compound Report

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Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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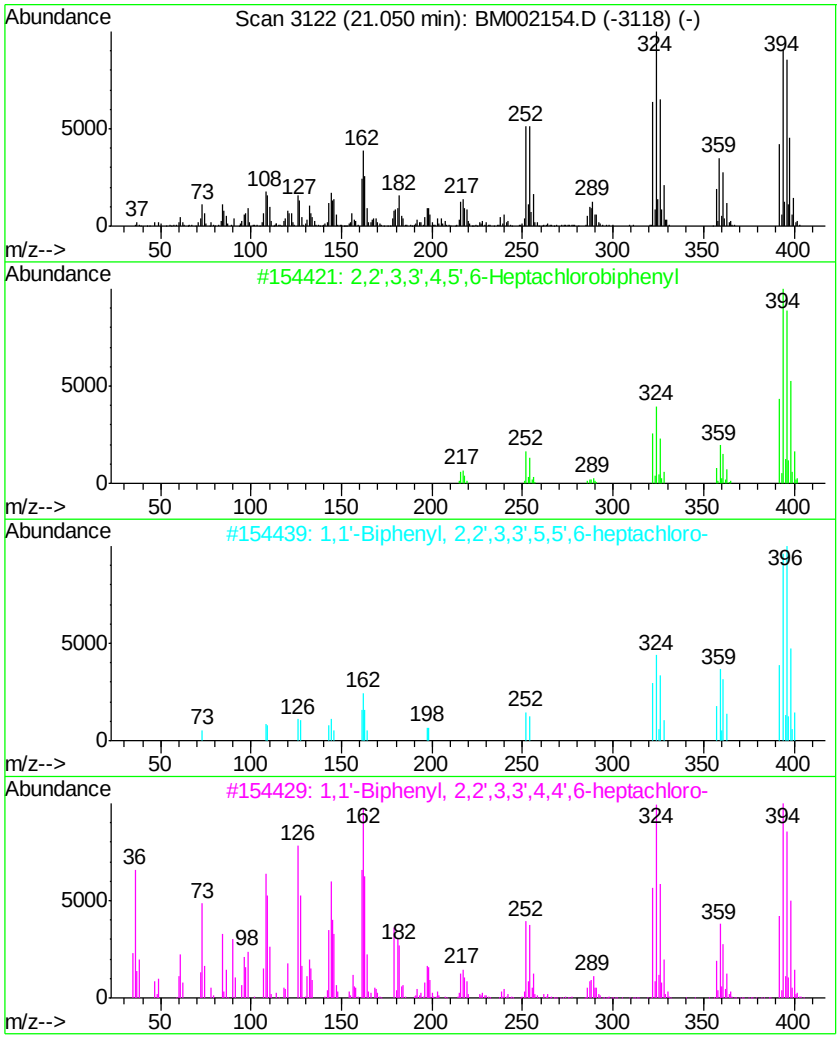
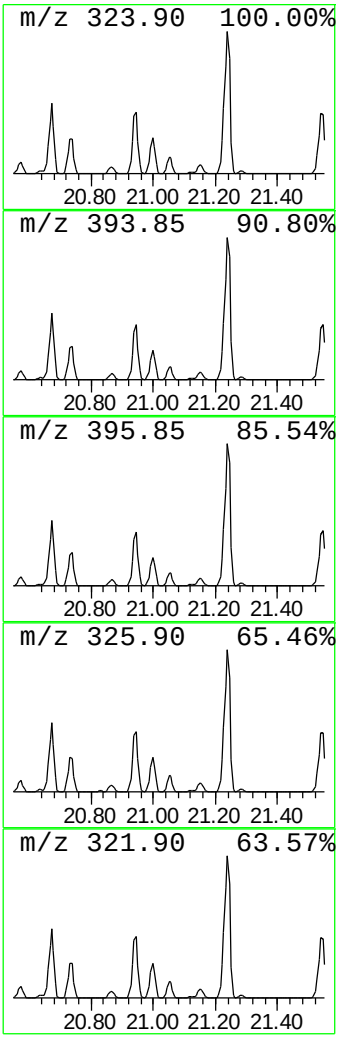
Peak Number 25 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.03 ng/ul	1658610	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
4	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99





Library Search Compound Report

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Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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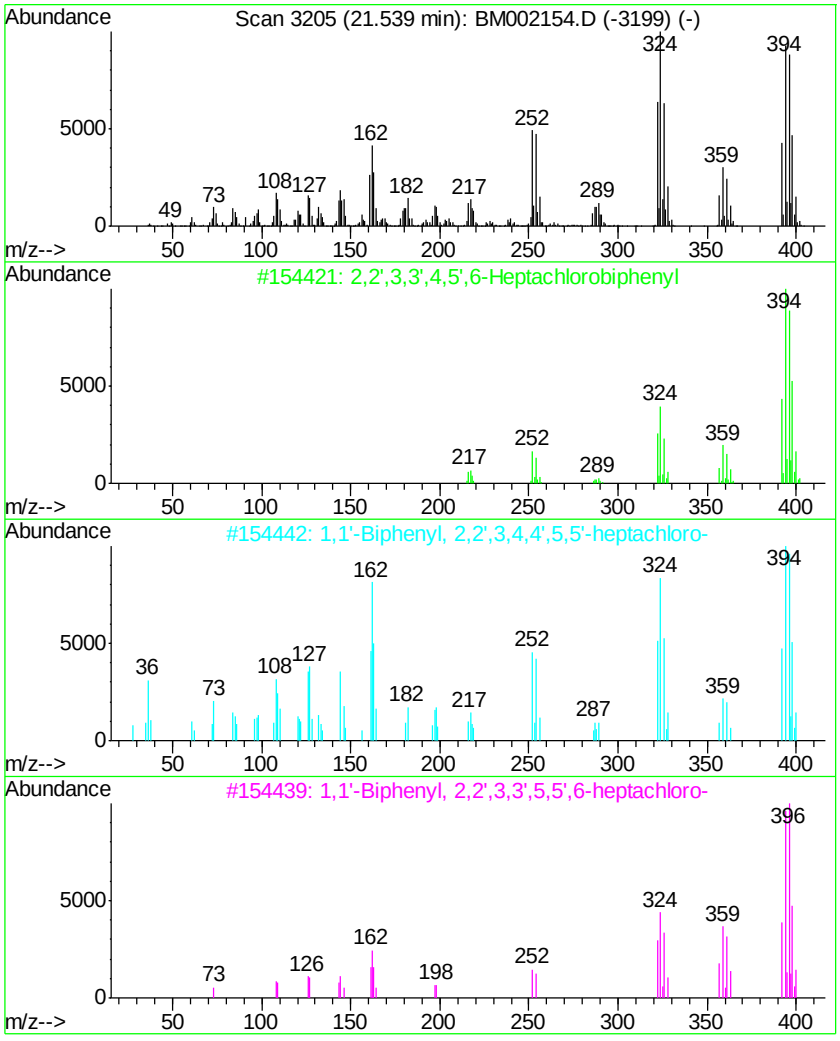
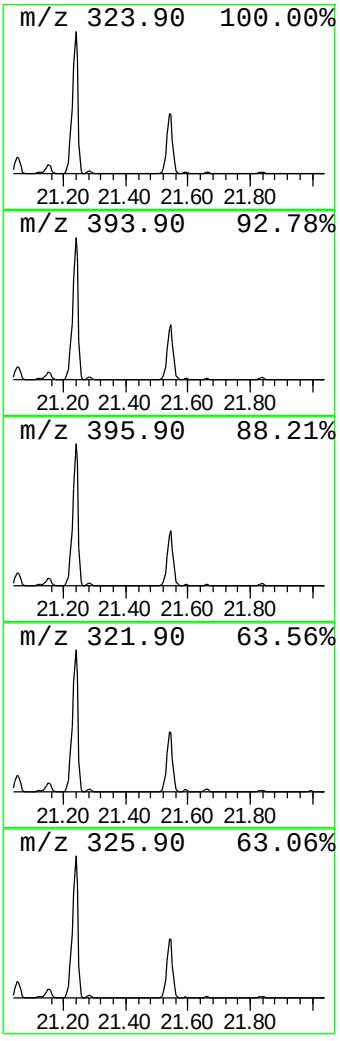
Peak Number 26 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	8.77 ng/ul	7161760	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99





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Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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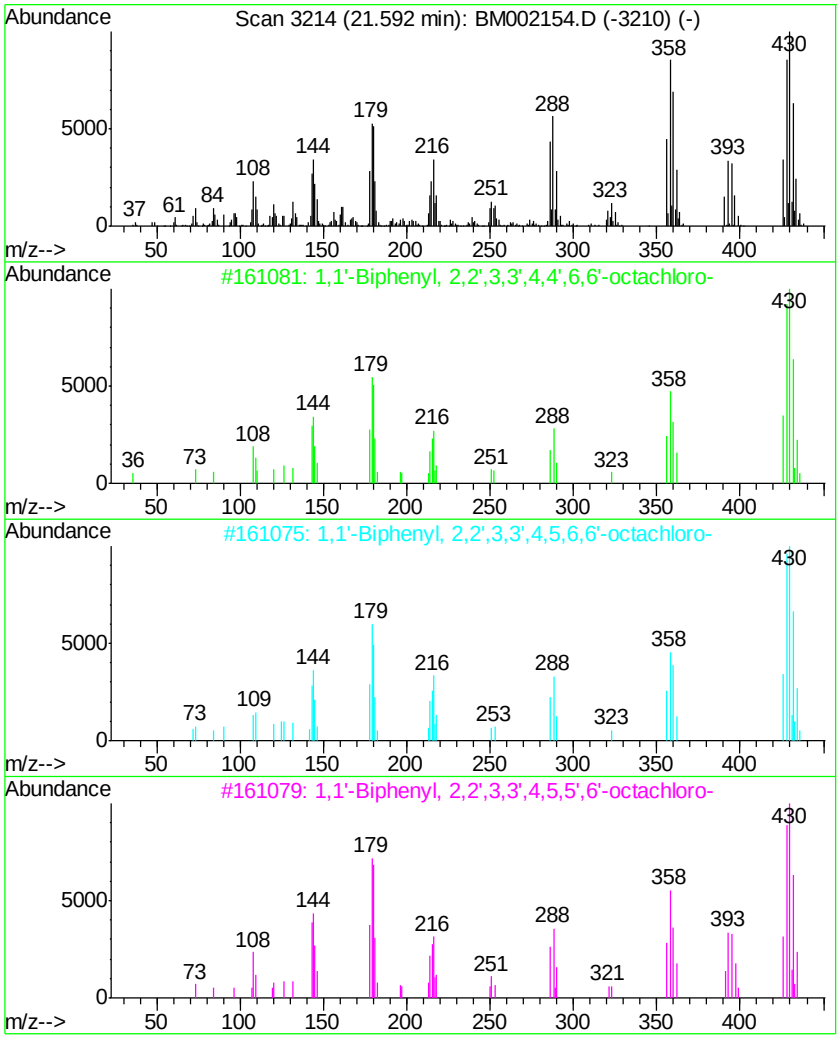
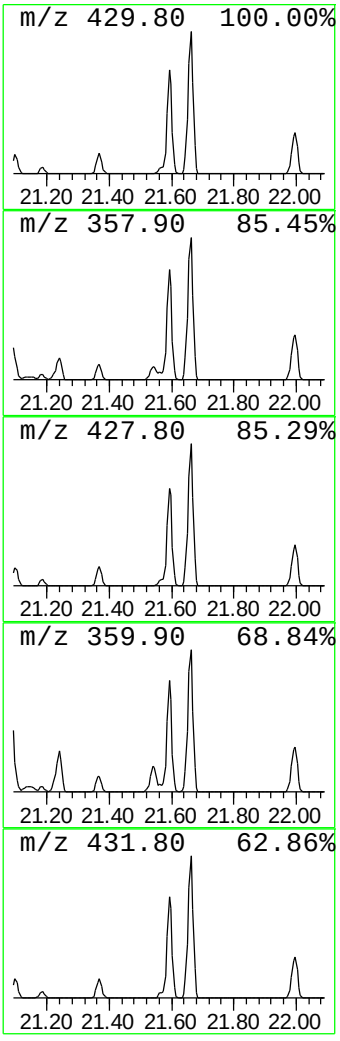
Peak Number 27 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.71 ng/ul	2213670	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
2	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
3	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	052663-75-9	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99





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Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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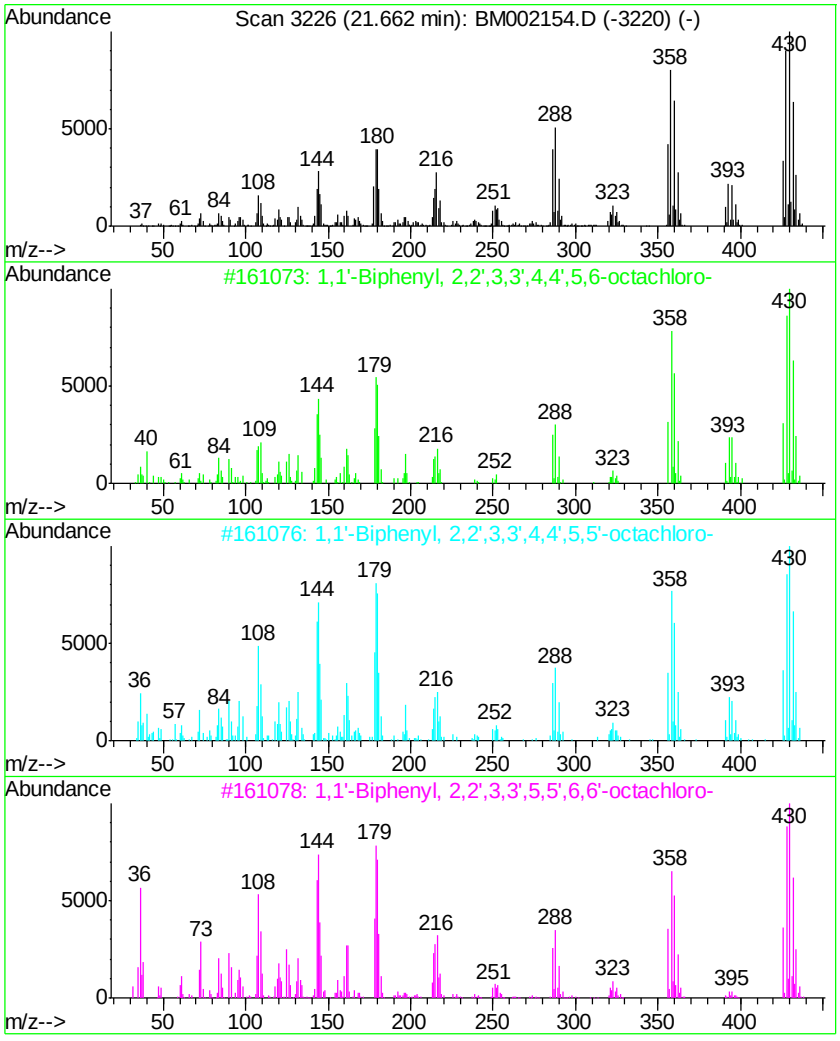
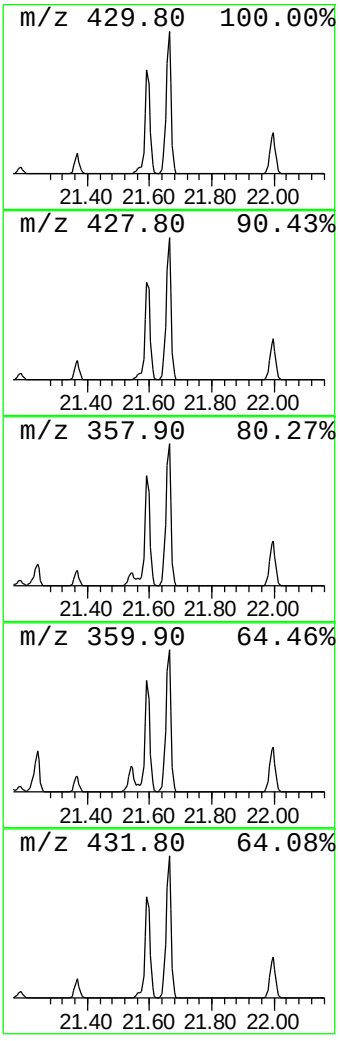
Peak Number 28 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	3.41 ng/ul	2783880	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99
3	1,1'-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	99
4	1,1'-Biphenyl, 2,2',3,3',4,5',6,...	426	C12H2Cl8	040186-71-8	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99





Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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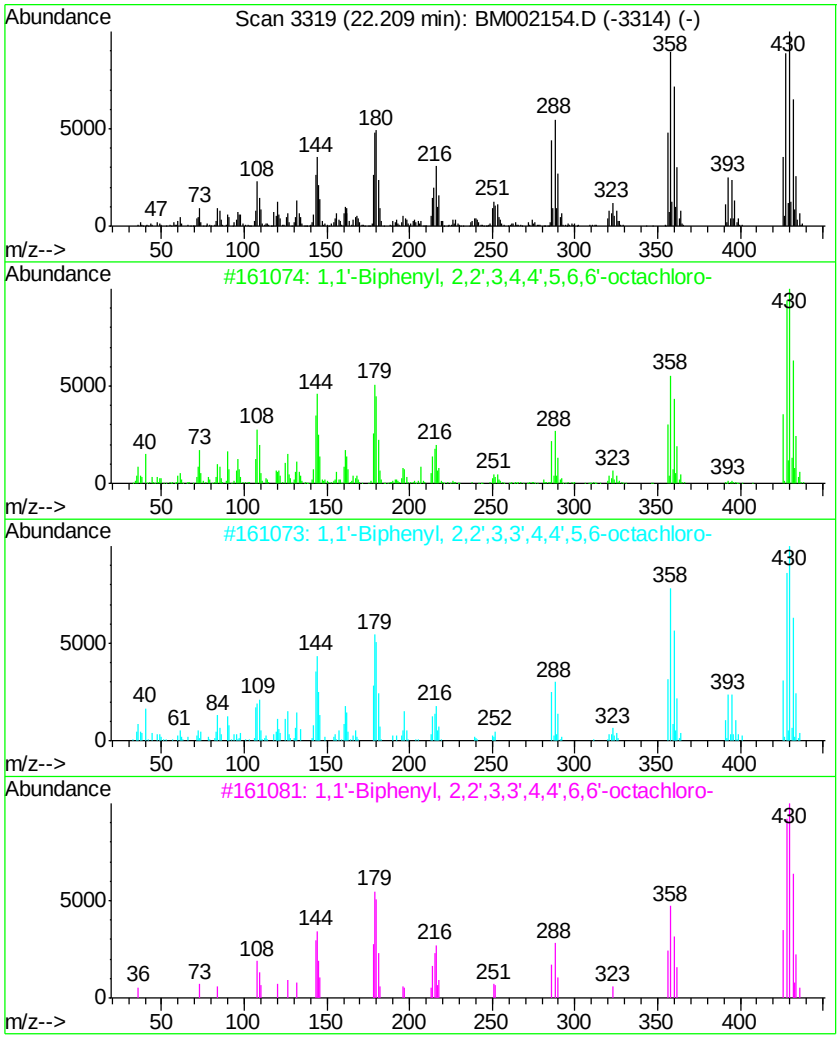
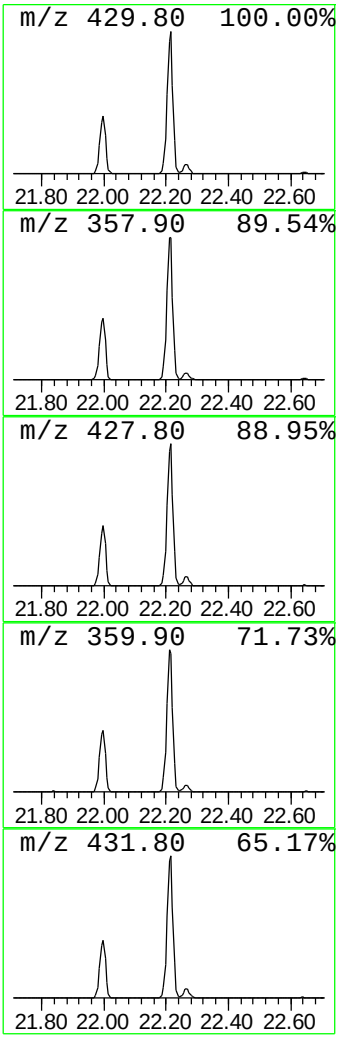
Peak Number 29 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.21	2.91 ng/ul	2377640	Chrysene-d12	21.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
4	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM073115\
Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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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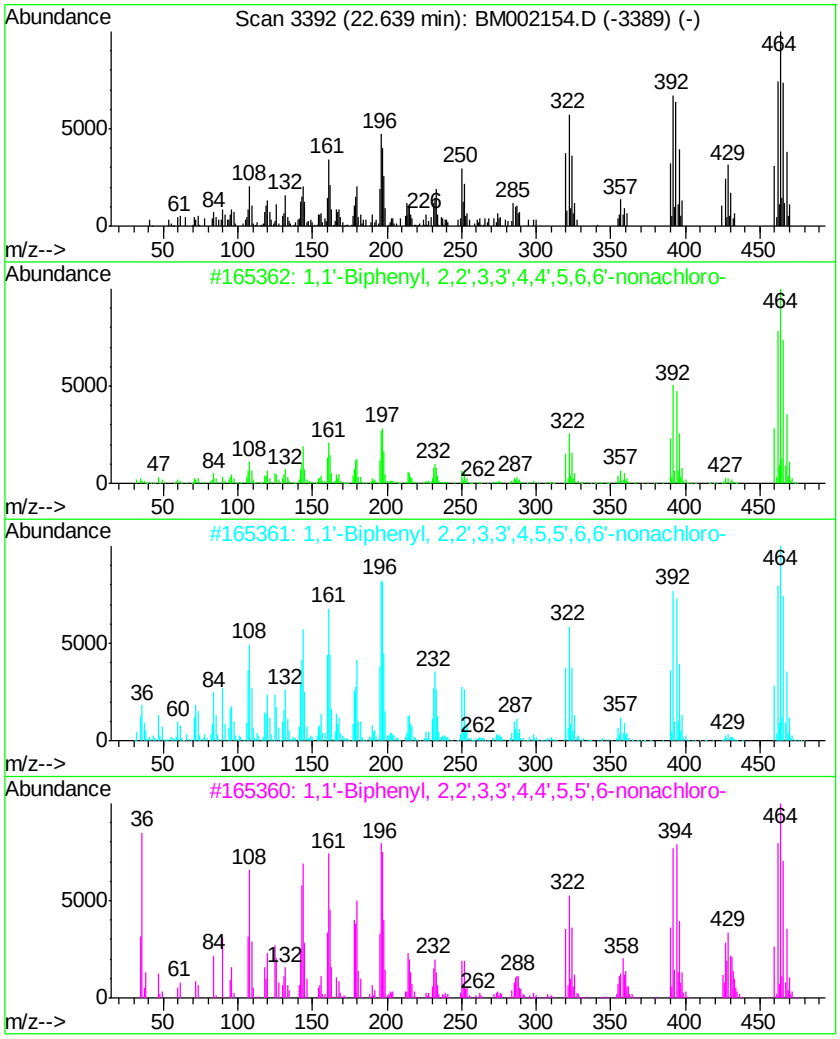
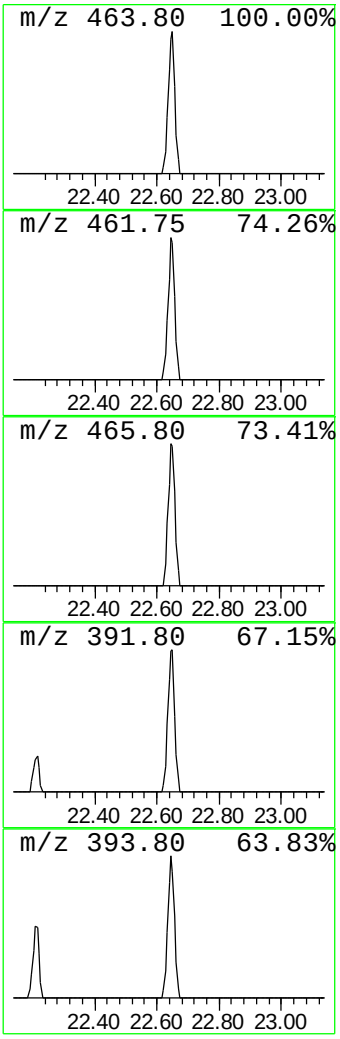
Peak Number 30 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	4.94 ng/ul	299120	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	460	C12HCl9	052663-79-3	99
2	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	460	C12HCl9	052663-77-1	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	460	C12HCl9	040186-72-9	91
4	Nickel, bis(dibutylcarbamodithio...	466	C18H36N2NiS4	013927-77-0	10
5	Bis(alpha,3-diisopropylsalicylid...	466	C26H36N2NiO2	025978-26-1	9





Tentatively Identified Compound (LSC) summary

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Data File : BM002154.D
Acq On : 31 Jul 2015 13:49
Operator : TP/UM
Sample : G3065-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C02A0

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
Benzene, 1,4-dich...	7.46	38.8	ng/ul	830292	1	7.57	427511	20.0
(DEL) Alkane: Str...	15.97	2.3	ng/ul	106101	4	16.99	930967	20.0
n-Hexadecanoic acid	17.89	2.7	ng/ul	125419	4	16.99	930967	20.0
1,1'-Biphenyl, 2,...	18.06	7.6	ng/ul	352172	4	16.99	930967	20.0
4b,8-Dimethyl-2-i...	18.61	3.2	ng/ul	149586	4	16.99	930967	20.0
1,1'-Biphenyl, 2,...	18.92	87.1	ng/ul	4052850	4	16.99	930967	20.0
1,1'-Biphenyl, 2'...	19.22	6.6	ng/ul	5425560	5	21.21	16334300	20.0
1,1'-Biphenyl, 3,...	19.63	2.9	ng/ul	2351100	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	19.66	2.5	ng/ul	2008790	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	19.78	5.6	ng/ul	4586600	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	19.93	16.2	ng/ul	13202400	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	20.13	2.3	ng/ul	1877770	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	20.22	19.4	ng/ul	15803400	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	20.53	19.0	ng/ul	15506800	5	21.21	16334300	20.0
2,2',3,3',4,5',6-...	20.73	4.4	ng/ul	3598020	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	20.94	8.2	ng/ul	6716180	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	21.00	4.8	ng/ul	3895670	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	21.05	2.0	ng/ul	1658610	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	21.54	8.8	ng/ul	7161760	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	21.59	2.7	ng/ul	2213670	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	21.66	3.4	ng/ul	2783880	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	22.21	2.9	ng/ul	2377640	5	21.21	16334300	20.0
1,1'-Biphenyl, 2,...	22.64	4.9	ng/ul	299120	6	23.40	1210820	20.0