LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.175	28	32	37	rVB	771024	833186	6.32%	0.590%
2	4.675	284	287	293	rVB4	114673	151439	1.15%	0.107%
3	4.763	298	302	310	rVB	295648	394816	2.99%	0.279%
4	7.687	793	799	808	rVB	741838	1167197	8.85%	0.826%
5	10.328	1241	1248	1259	rBV	1850842	2970737	22.52%	2.103%
6	10.463	1264	1271	1278	rVB	1097691	1799757	13.64%	1.274%
7	10.592	1288	1293	1300	rVB9	9208	20647	0.16%	0.015%
8	10.722	1309	1315	1318	rBV4	8389	13277	0.10%	0.009%
9	10.845	1325	1336	1345	rBV	346555	584876	4.43%	0.414%
10	10.927	1345	1350	1355	rVB5	11322	19895	0.15%	0.014%
11	12.498	1606	1617	1628	rBV	310841	525466	3.98%	0.372%
12	12.916	1683	1688	1693	rBV7	8145	14842	0.11%	0.011%
13	13.116	1715	1722	1728	rBV	667615	1030236	7.81%	0.729%
14	13.592	1798	1803	1807	rBV7	8106	18473	0.14%	0.013%
15	13.645	1808	1812	1816	rBV7	12819	21574	0.16%	0.015%
16	13.739	1824	1828	1833	rBV	71885	102348	0.78%	0.072%
17	13.816	1838	1841	1844	rVV3	25754	35776	0.27%	0.025%
18	13.857	1846	1848	1856	rVB8	25880	52261	0.40%	0.037%
19	13.933	1858	1861	1864	rVV4	10756	13907	0.11%	0.010%
20	13.968	1865	1867	1873	rVB7	13676	22688	0.17%	0.016%
21	14.068	1878	1884	1887	rBV5	42367	84697	0.64%	0.060%
22	14.151	1894	1898	1906	rVB	110196	174239	1.32%	0.123%
23	14.227	1907	1911	1916	rBV3	33790	58770	0.45%	0.042%
24	14.327	1917	1928	1936	rBV2	1674910	2639396	20.01%	1.868%
25	14.545	1963	1965	1967	rBV3	19219	20587	0.16%	0.015%
26	14.657	1980	1984	1986	rBV5	30320	45125	0.34%	0.032%
27	14.863	2015	2019	2024	rBV7	44878	68083	0.52%	0.048%
28	15.045	2047	2050	2056	rVB7	53806	88920	0.67%	0.063%
29	15.115	2057	2062	2070	rBV3	173000	301163	2.28%	0.213%
30	16.074	2219	2225	2233	rBV2	208202	431202	3.27%	0.305%
31	17.080	2391	2396	2401	rBV2	1931371	2911051	22.07%	2.060%
32	19.003	2718	2723	2728	rVB	2948022	3825280	29.00%	2.707%
33	19.209	2755	2758	2762	rVB	503916	587773	4.46%	0.416%
34	19.292	2767	2772	2777	rVB	4169996	5151731	39.05%	3.646%

LSC Area Percent Report

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Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Title : SVOA CALIBRATION

35	19.627	2826	2829	2833	rVB2	642149	761725	5.77%	0.539%
36	19.715	2840	2844	2846	rBV	1750911	2425102	18.38%	1.716%
37	19.862	2864	2869	2872	rBV	3532945	4369598	33.12%	3.093%
38	19.903	2872	2876	2883	rVB	1509521	2588800	19.62%	1.832%
39	20.003	2888	2893	2897	rBV	9693227	11610927	88.01%	8.218%
40	20.050	2897	2901	2905	rVB2	721342	939174	7.12%	0.665%
41	20.127	2911	2914	2920	rVB3	493813	608944	4.62%	0.431%
42	20.203	2923	2927	2935	rVV2	1371478	1935759	14.67%	1.370%
43	20.280	2935	2940	2945	rVB	10561784	13192412	100.00%	9.337%
44	20.333	2945	2949	2958	rBV	2852099	3583272	27.16%	2.536%
45	20.439	2962	2967	2972	rVB2	4059052	6169993	46.77%	4.367%
46	20.527	2979	2982	2986	rBV2	922402	1130414	8.57%	0.800%
47	20.597	2986	2994	3000	rVV	6228080	12165761	92.22%	8.610%
48	20.645	3000	3002	3006	rVB	900014	902275	6.84%	0.639%
49	20.744	3015	3019	3024	rVB	5637684	6655072	50.45%	4.710%
50	20.809	3025	3030	3037	rVB	2772505	3461909	26.24%	2.450%
51	20.903	3042	3046	3049	rBV	646320	746722	5.66%	0.528%
52	20.939	3049	3052	3056	rBV	612278	783757	5.94%	0.555%
53	21.015	3060	3065	3070	rVB	4619674	5877190	44.55%	4.160%
54	21.068	3070	3074	3080	rVB2	2616063	3340576	25.32%	2.364%
55	21.121	3080	3083	3086	rBV	1107213	1401719	10.63%	0.992%
56	21.221	3097	3100	3103	rVB2	719219	752349	5.70%	0.532%
57	21.274	3104	3109	3110	rVV	2038613	2636201	19.98%	1.866%
58	21.303	3110	3114	3119	rVB	10207033	12061429	91.43%	8.537%
59	21.609	3162	3166	3171	rBV	3856909	4942762	37.47%	3.498%
60	21.668	3172	3176	3182	rVB	1840835	2340508	17.74%	1.657%
61	21.733	3183	3187	3192	rVB	2026200	2582270	19.57%	1.828%
62	22.080	3242	3246	3251	rVB3	633709	827893	6.28%	0.586%
63	22.297	3279	3283	3290	rVB2	1409420	1907287	14.46%	1.350%
64	23.491	3481	3486	3496	rVB2	1285030	2408535	18.26%	1.705%

Sum of corrected areas: 141291750

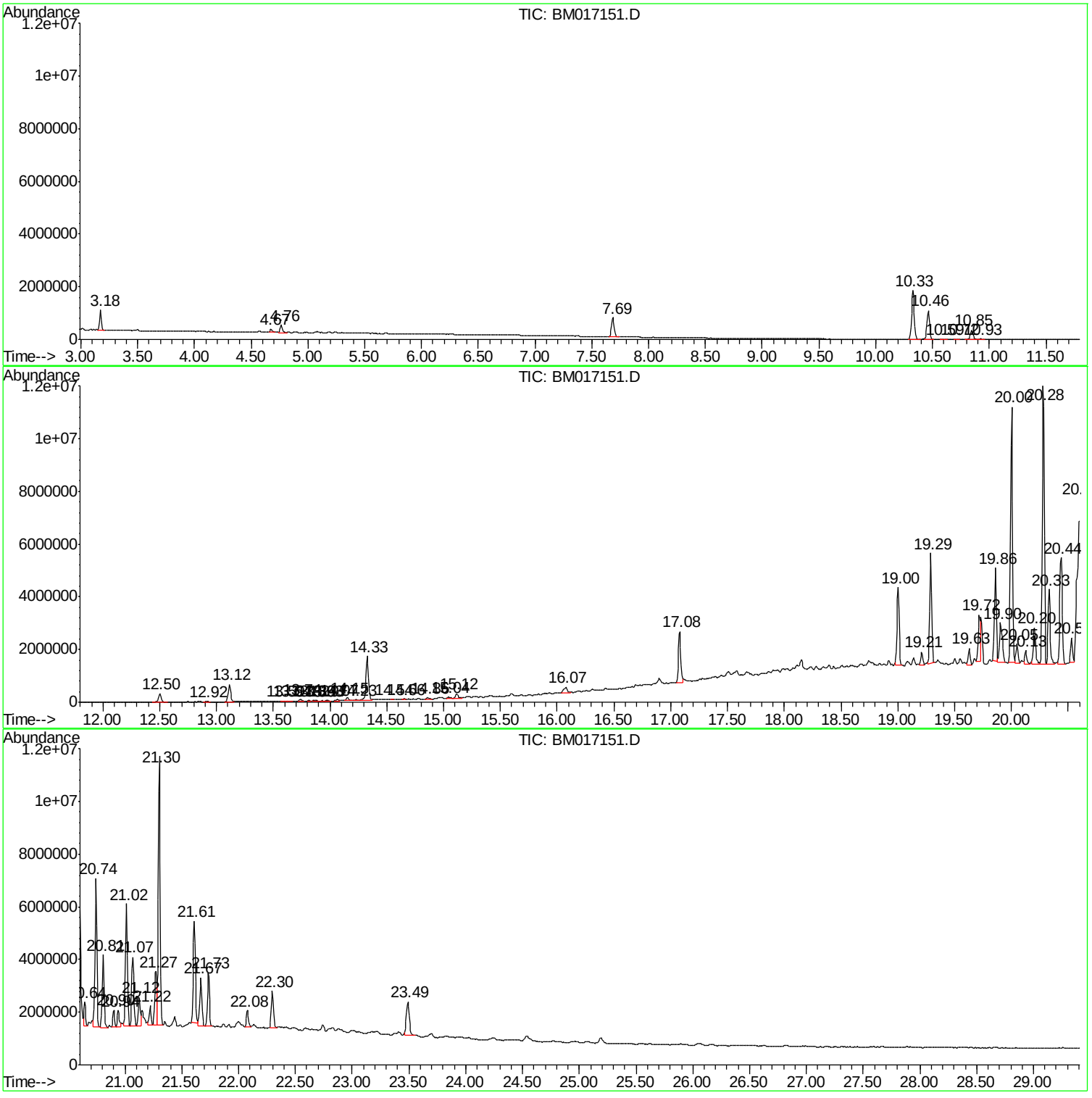
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

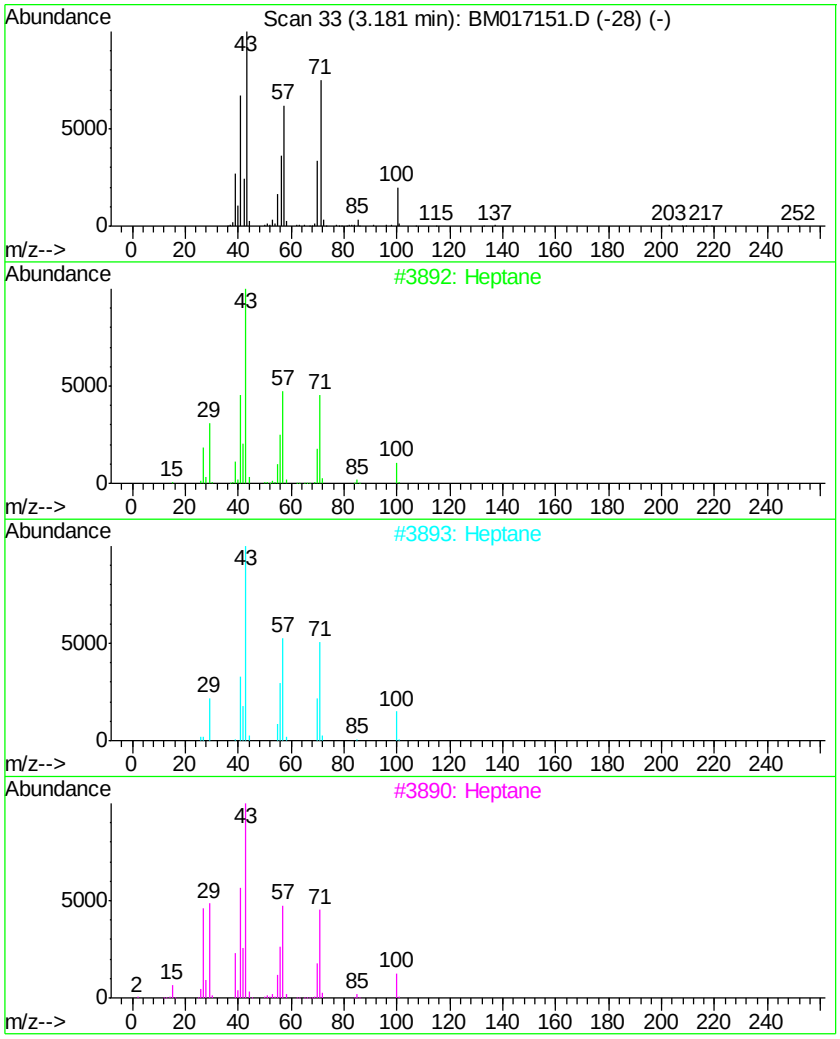
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

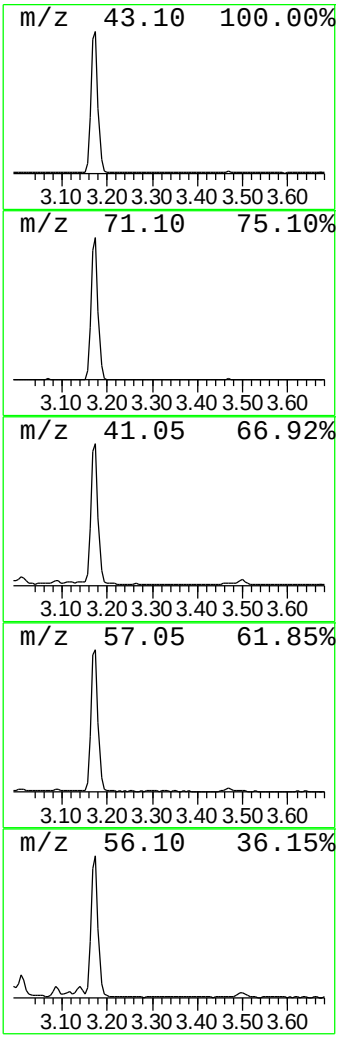
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	14.28 ng/ul	833186	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	83
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
5	Heptane	100	C7H16	000142-82-5	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

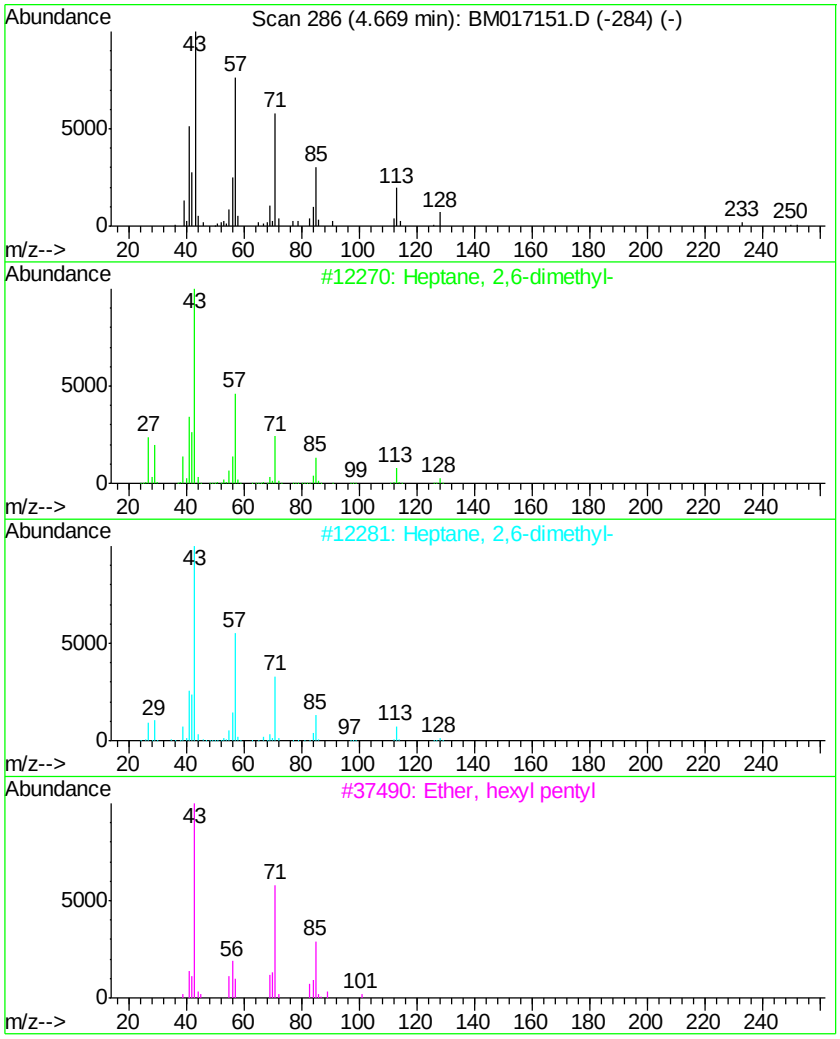
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

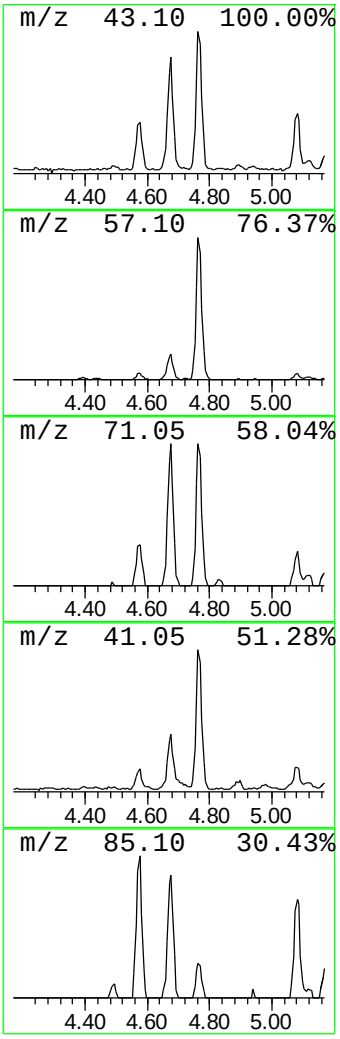
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	2.59 ng/ul	151439	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
3	Ether, hexyl pentyl	172	C11H24O	032357-83-8	53
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

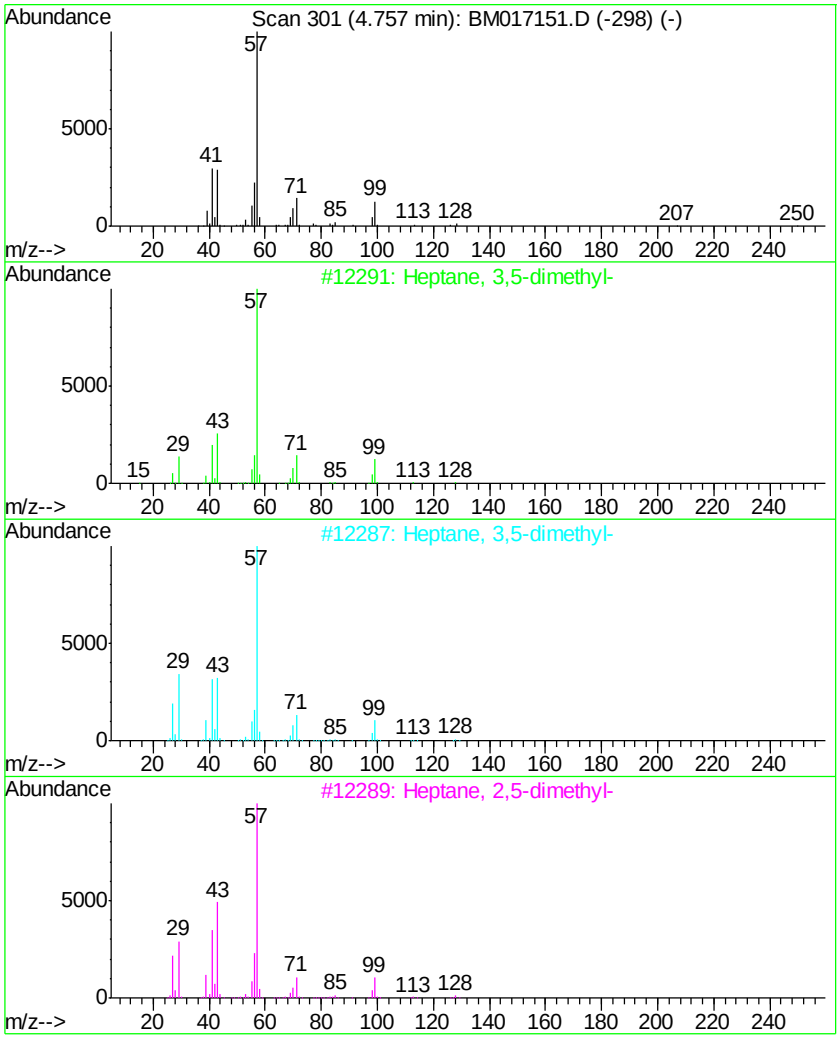
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

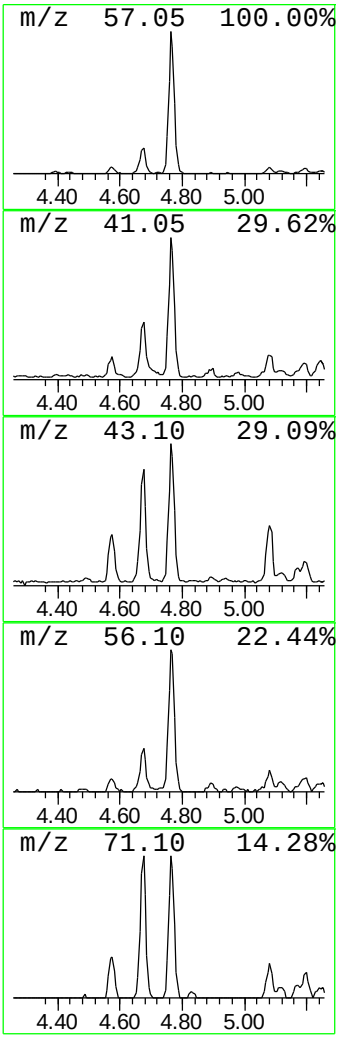
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	6.77 ng/ul	394816	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	91
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

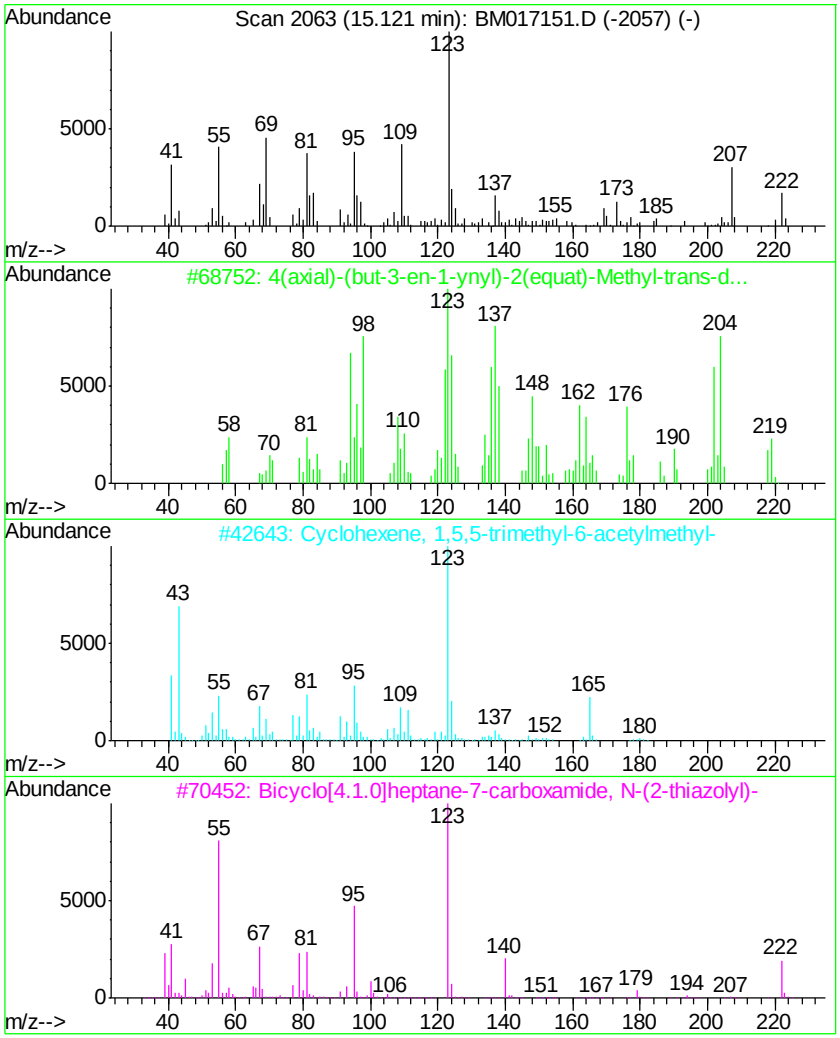
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

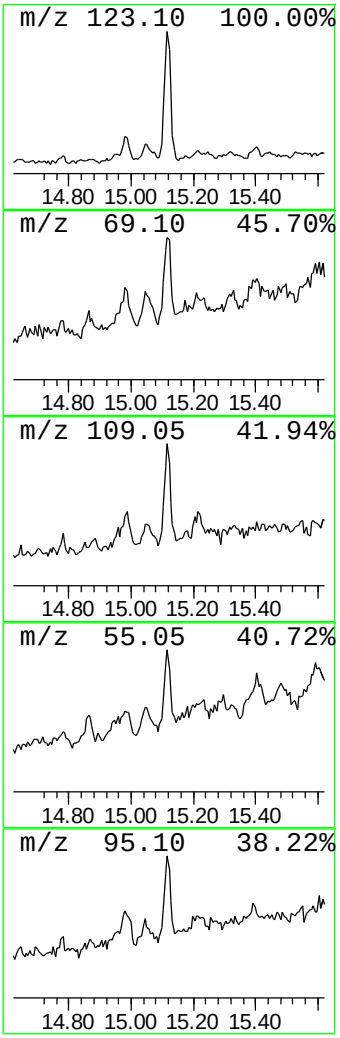
****

Peak Number 6 4(axial)-(but-3-en-1-ynyl)-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	2.28 ng/ul	301163	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(axial)-(but-3-en-1-ynyl)-2(equ...	219	C14H21NO	038569-29-8	53
2	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	47
3	Bicyclo[4.1.0]heptane-7-carboxam...	222	C11H14N2OS	329912-72-3	45
4	Methyl 2-fluorobenzoate	154	C8H7FO2	000394-35-4	43
5	Glyoxal monoxime, 2-(4-fluorophe...	167	C8H6FNO2	017628-74-9	43





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

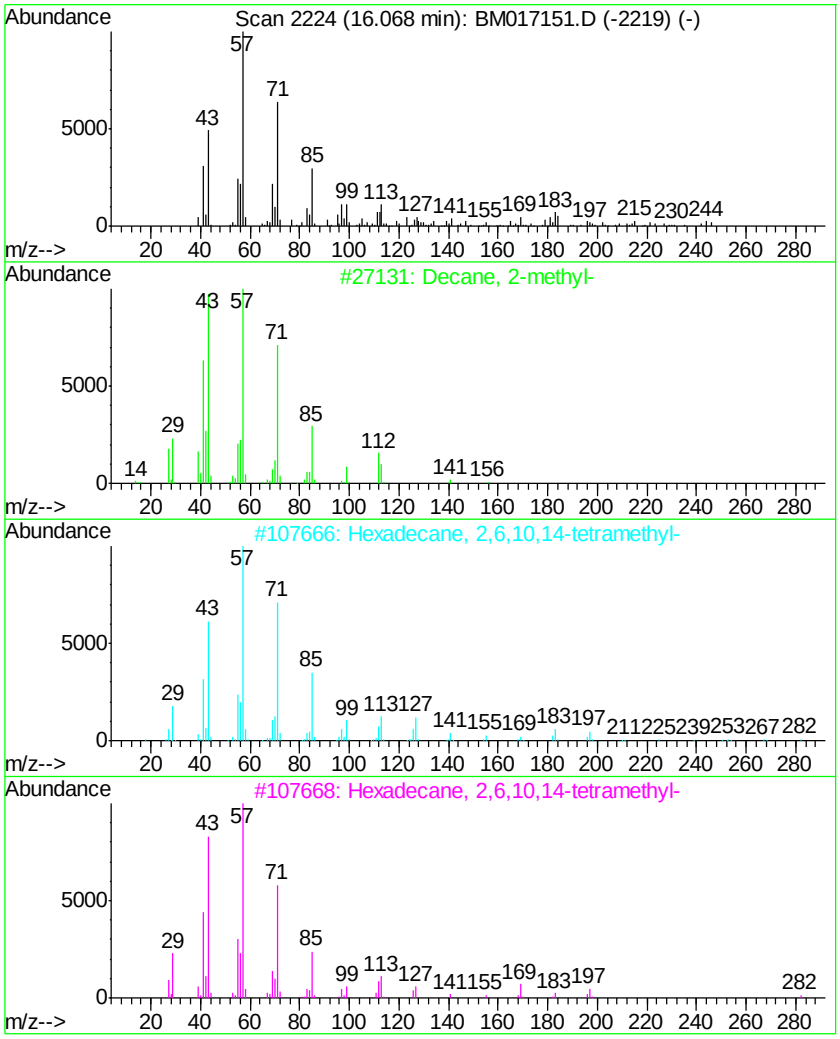
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

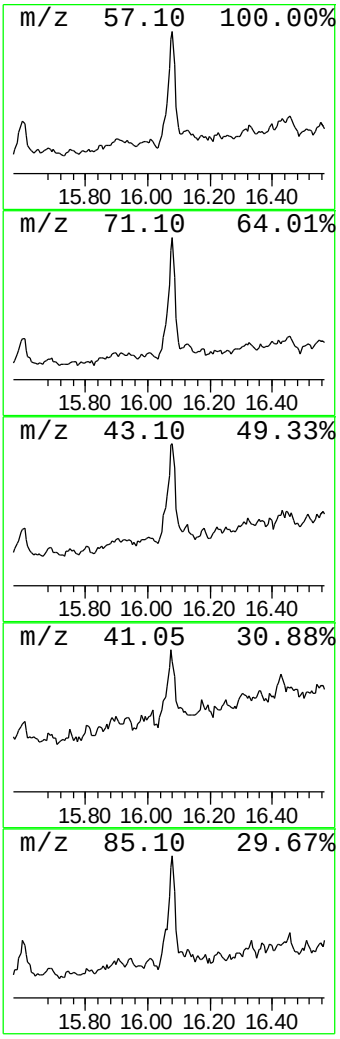
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	2.96 ng/ul	431202	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	87
5	Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	86





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

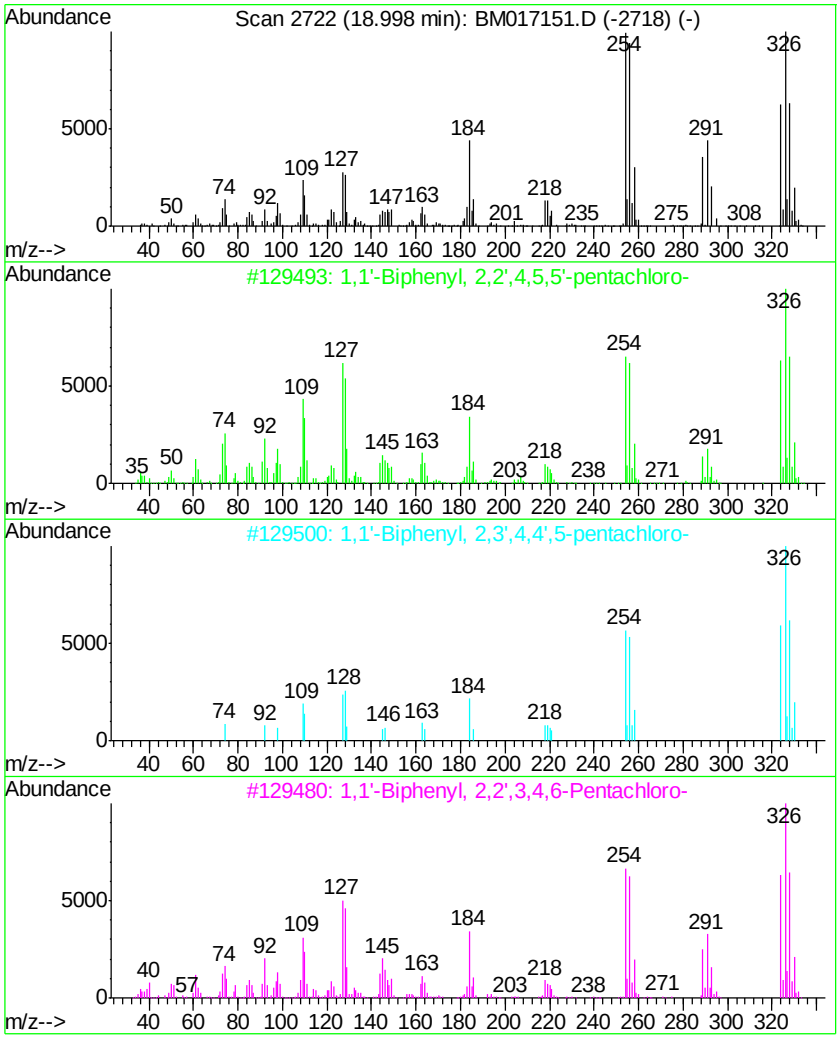
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

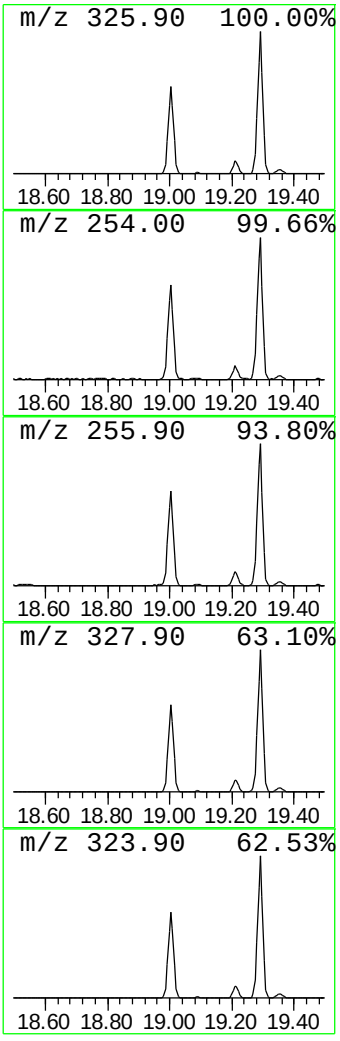
****

Peak Number 8 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	26.28 ng/ul	3825280	Phenanthrene-d10	17.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	97
3	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

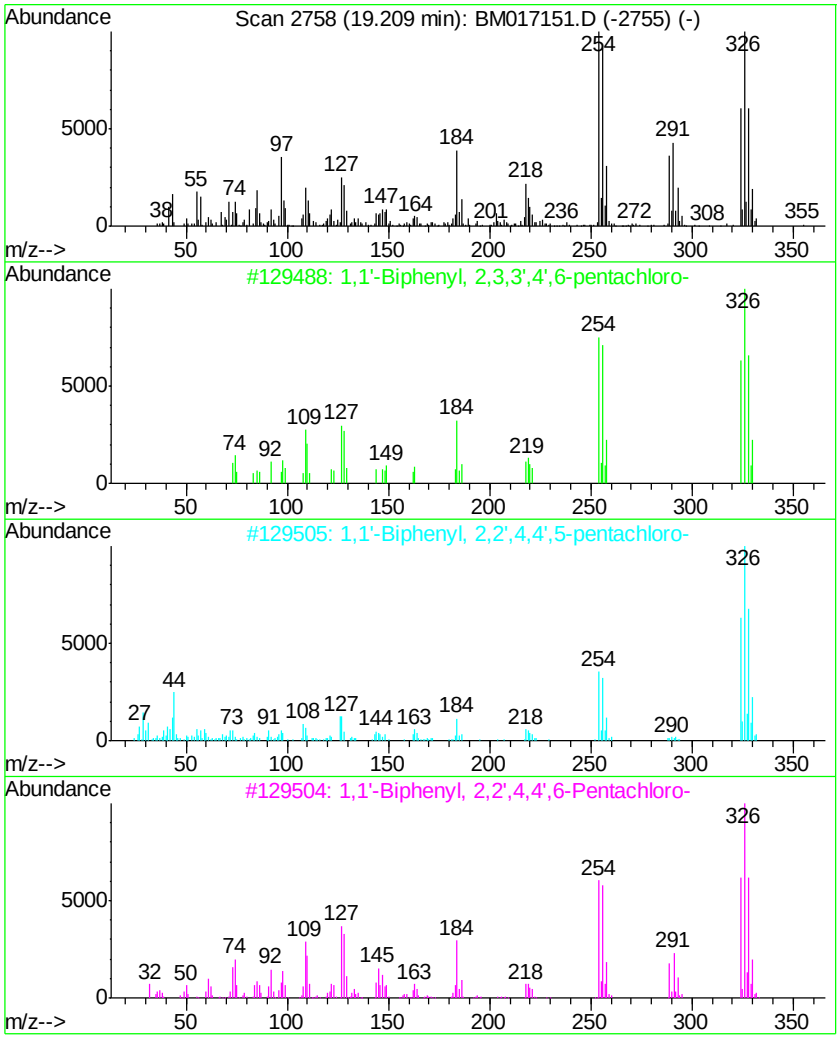
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

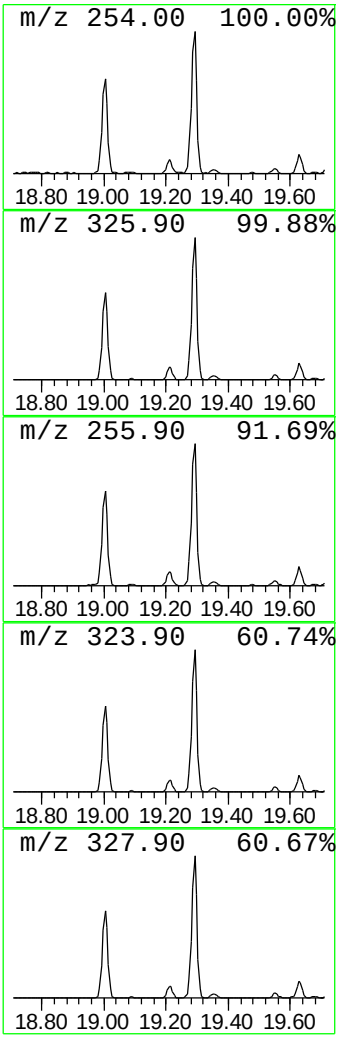
****

Peak Number 9 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	4.46 ng/ul	587773	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	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 : MJ/SJ
Sample : J5400-03
Misc :
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Instrument : BNA_M
ClientSampleId : C0BE1

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Quant Title : SVOA CALIBRATION

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

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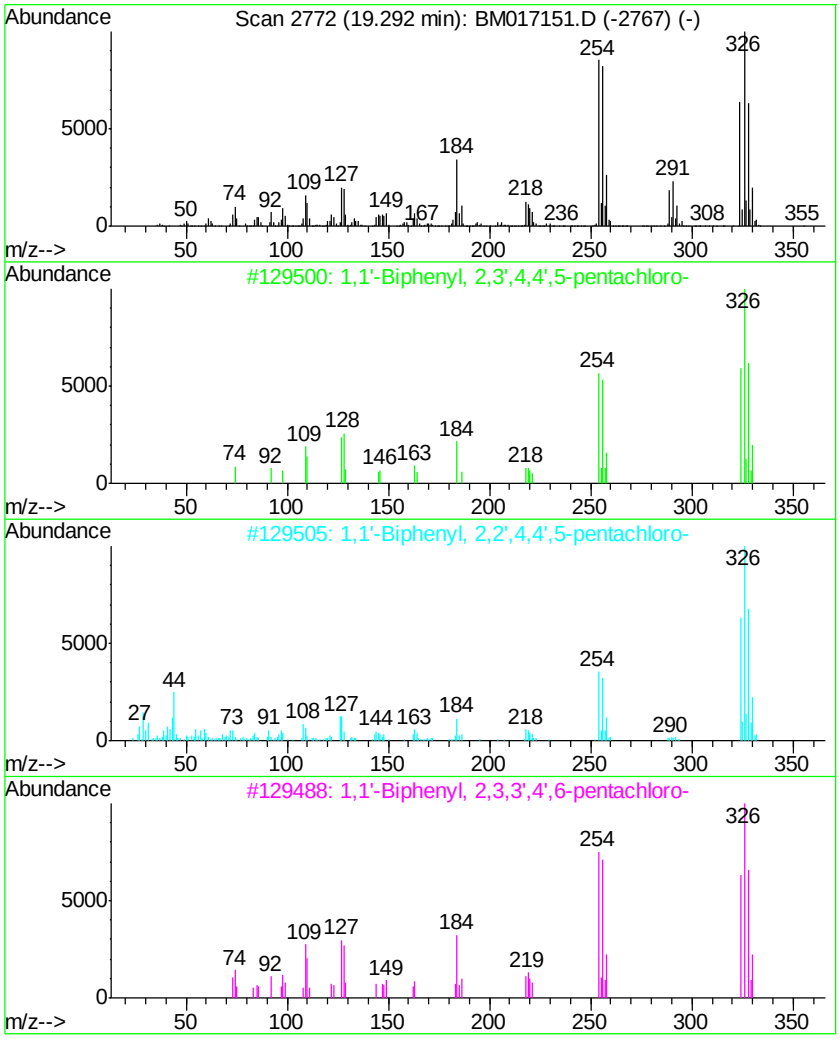
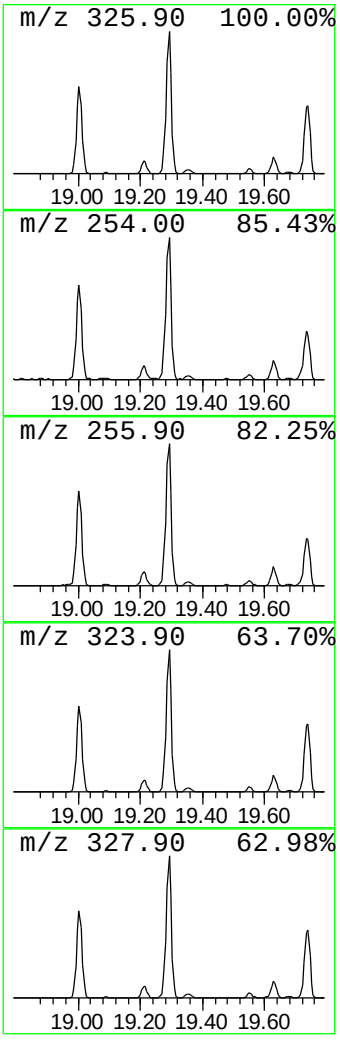
Peak Number 10 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	39.08 ng/ul	5151730	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	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',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99





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Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

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Quant Title : SVOA CALIBRATION

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

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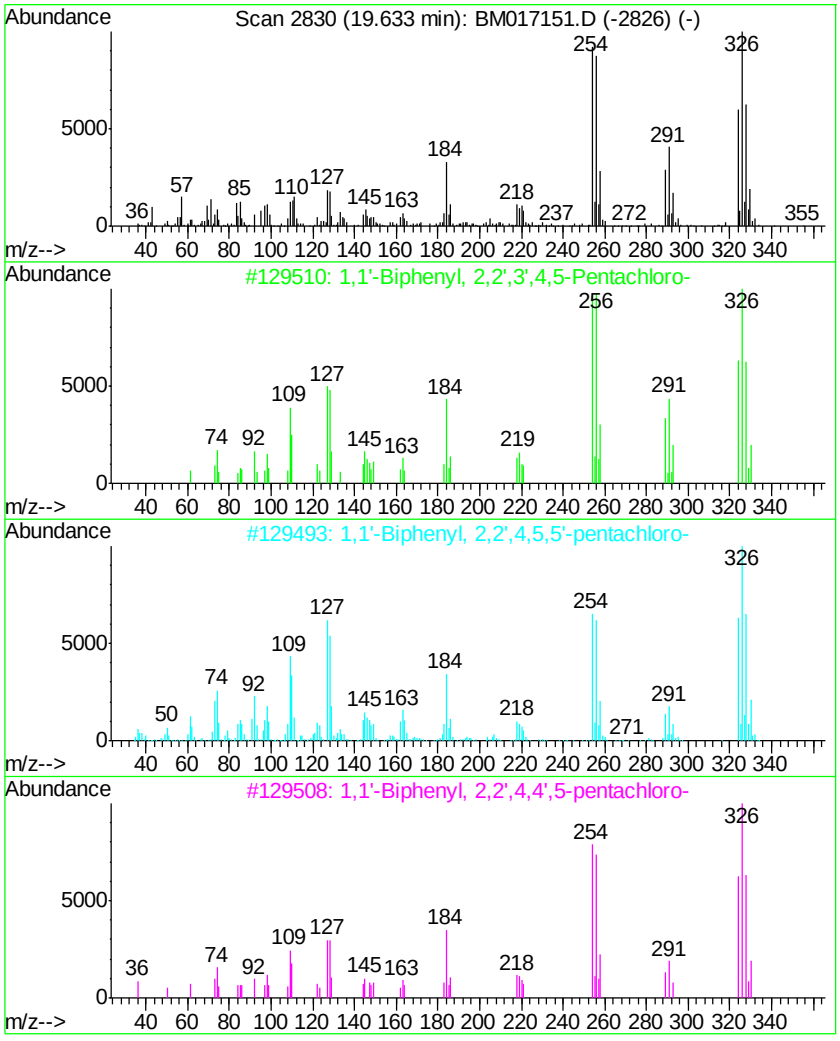
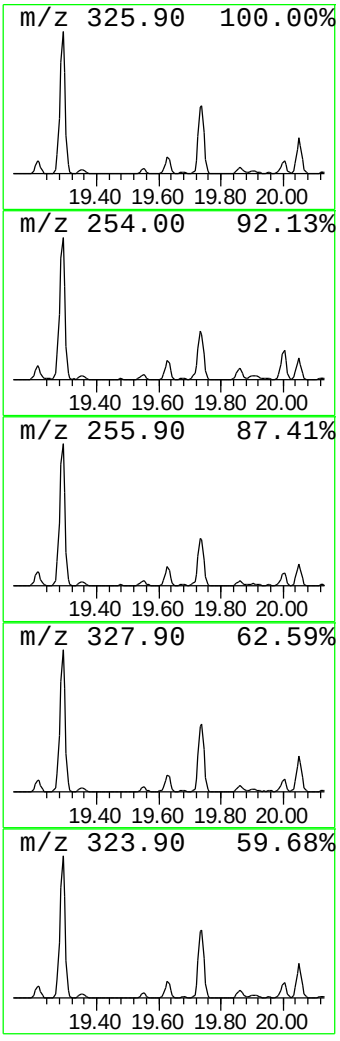
Peak Number 11 1,1'-Biphenyl, 2,2',3',4,5-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	5.78 ng/ul	761725	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	97
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	96
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95





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Instrument : BNA_M
ClientSampleId : C0BE1

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Quant Title : SVOA CALIBRATION

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

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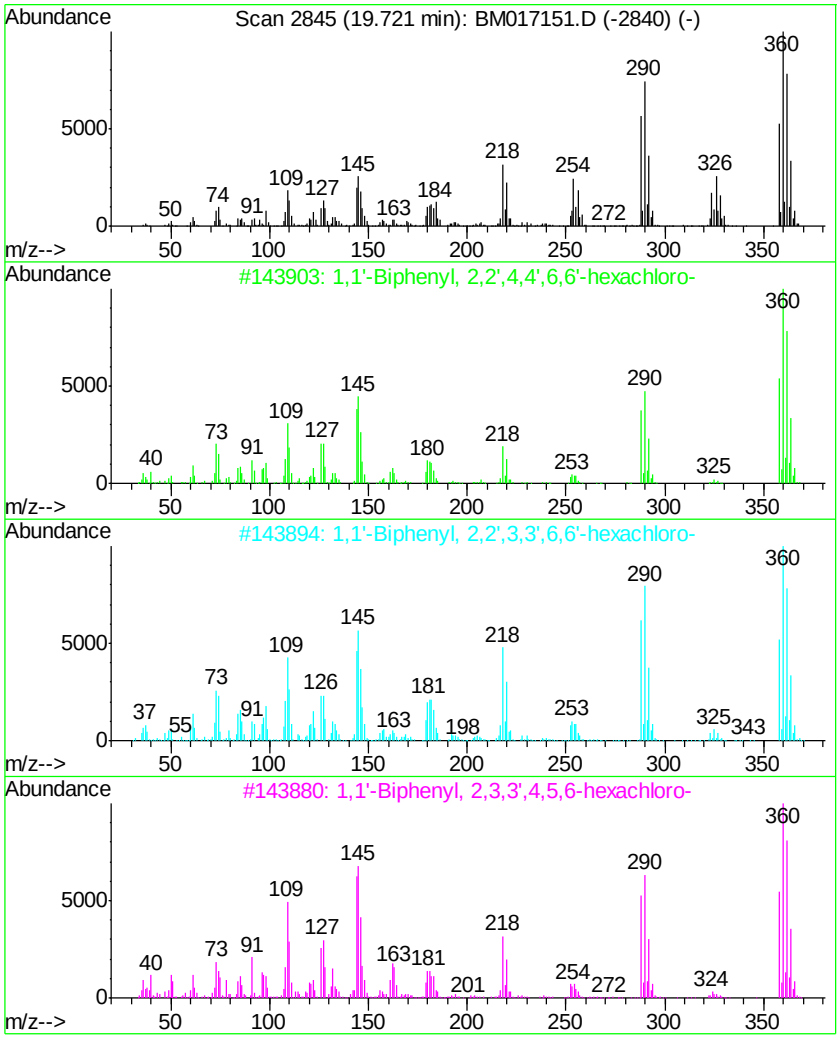
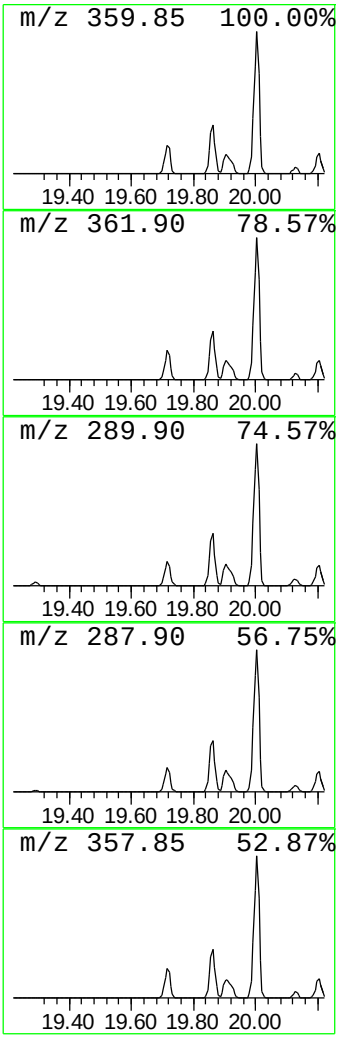
Peak Number 12 1,1'-Biphenyl, 2,2',4,4',6,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	18.40 ng/ul	2425100	Chrysene-d12	21.27

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',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	97
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	96





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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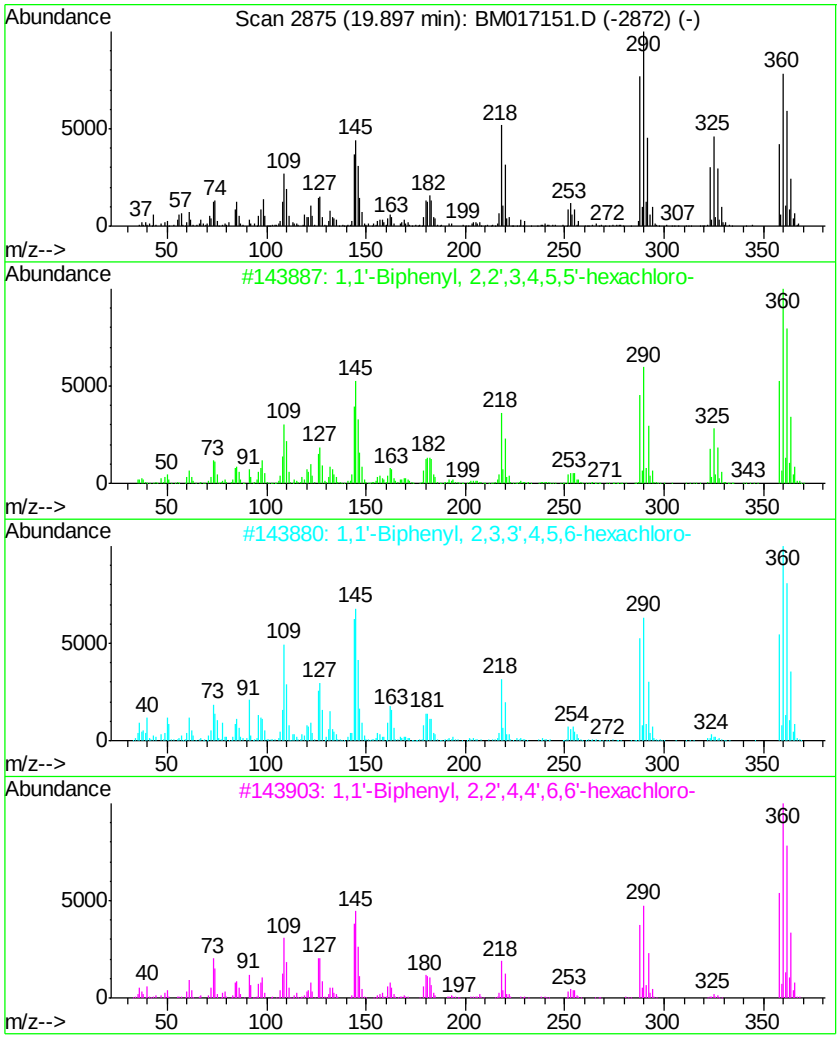
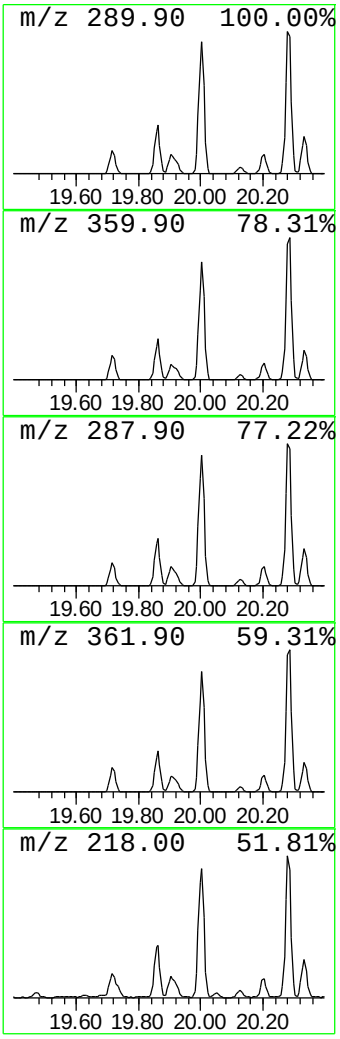
Peak Number 14 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	19.64 ng/ul	2588800	Chrysene-d12	21.27

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, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
4	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99





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Instrument : BNA_M
ClientSampleId : C0BE1

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Quant Title : SVOA CALIBRATION

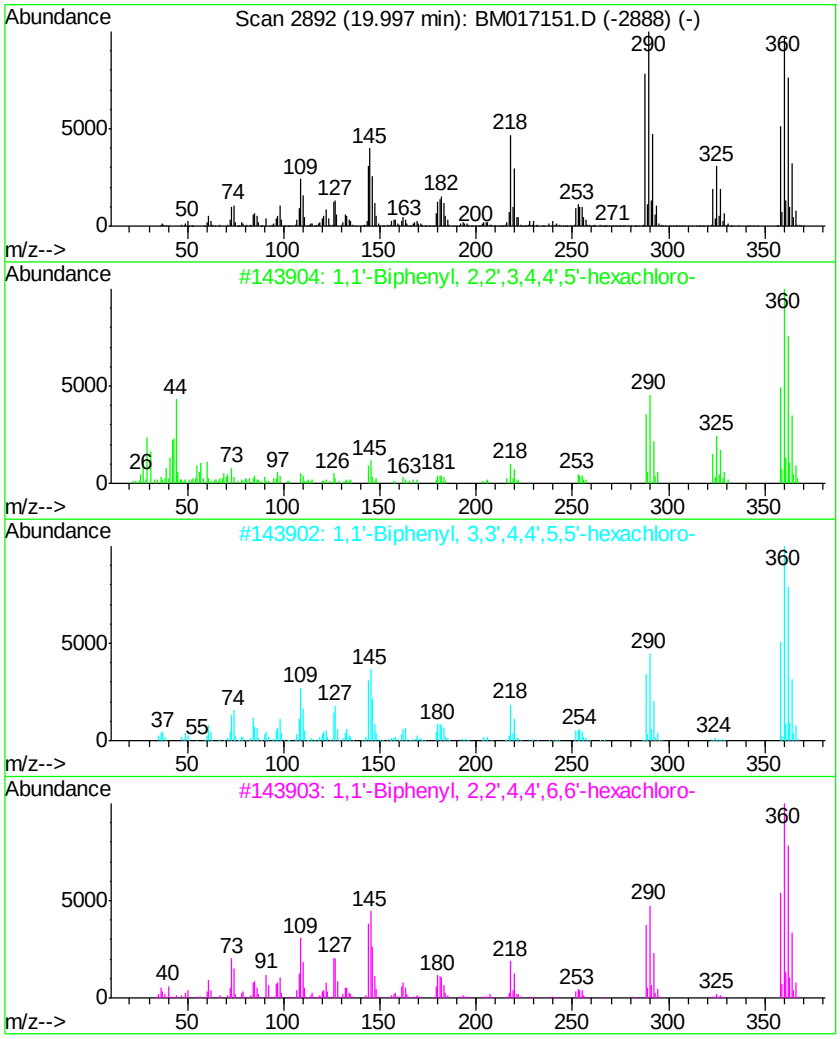
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

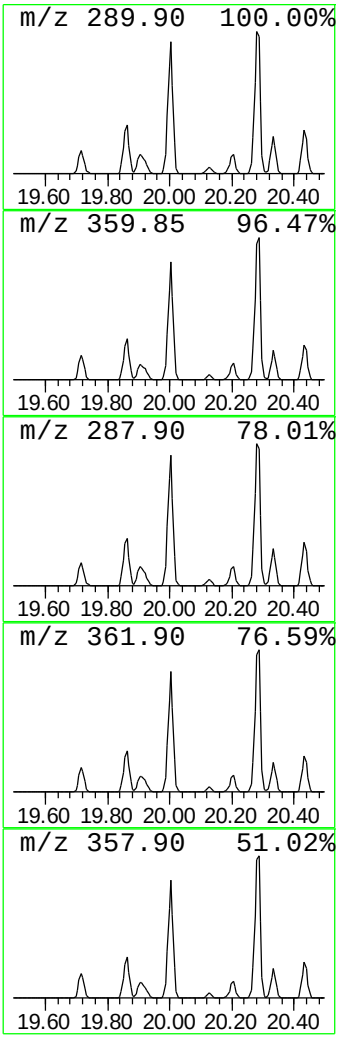
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	88.09 ng/ul	11610900	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
4	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

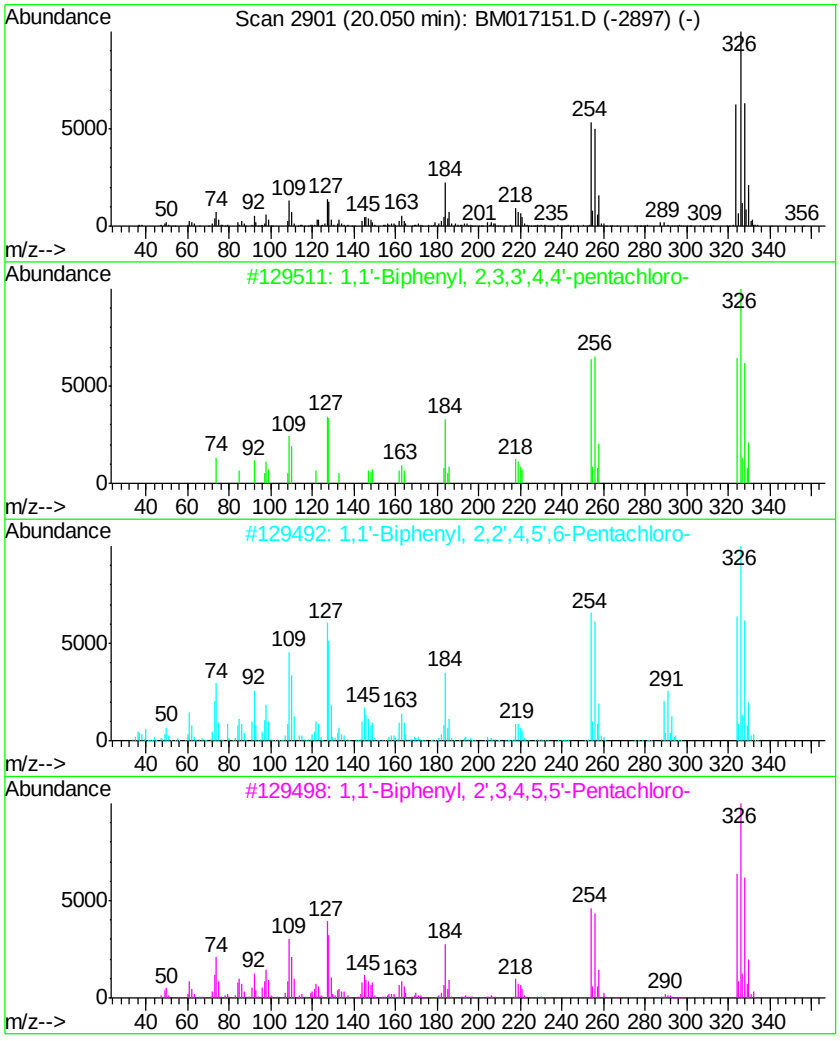
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

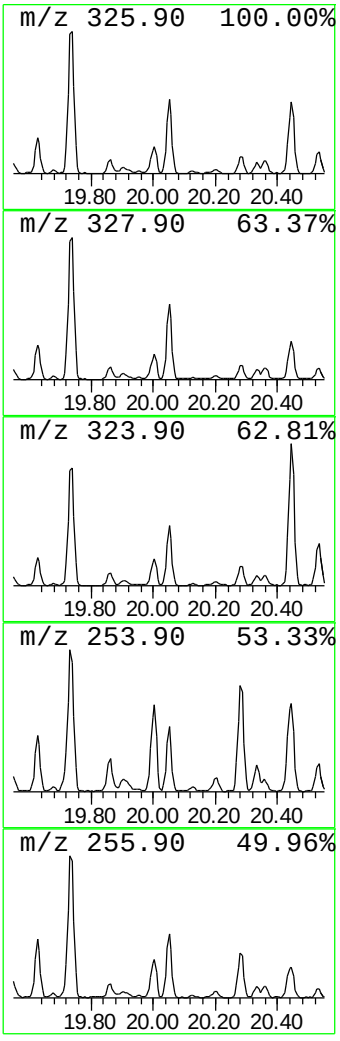
****

Peak Number 16 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	7.13 ng/ul	939174	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	98
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	98
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	97
5	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	96





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Misc :
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Instrument : BNA_M
ClientSampleId : C0BE1

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Quant Title : SVOA CALIBRATION

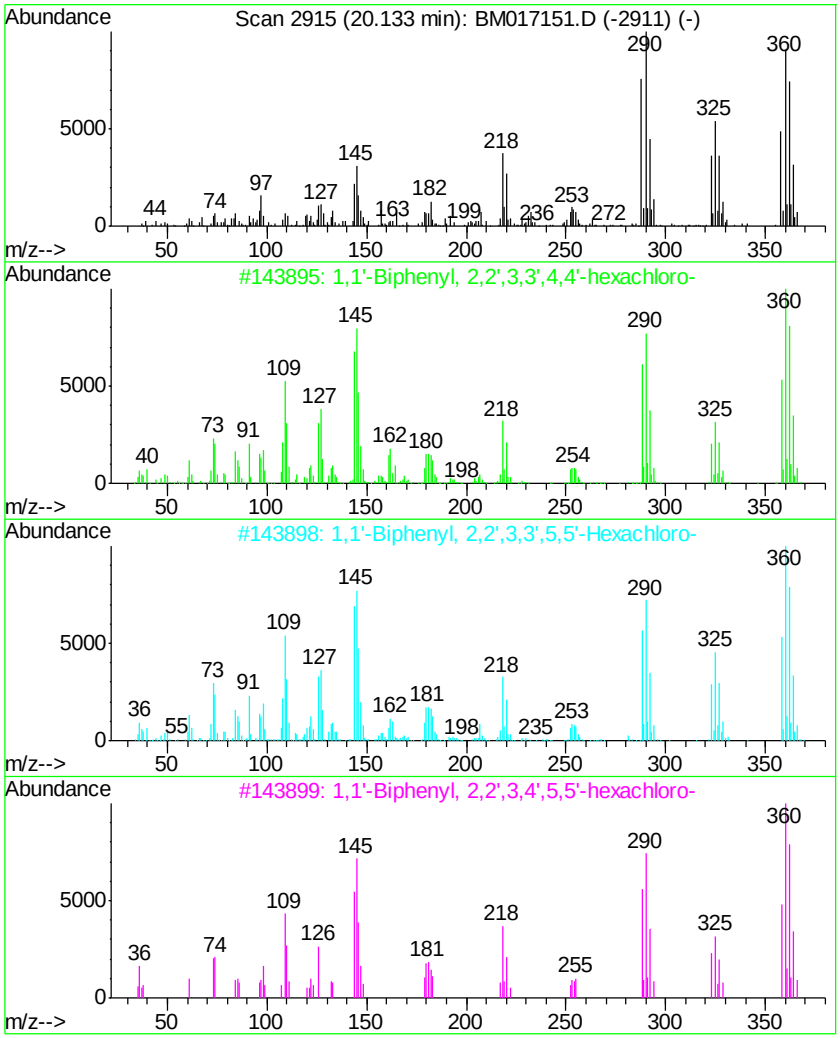
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

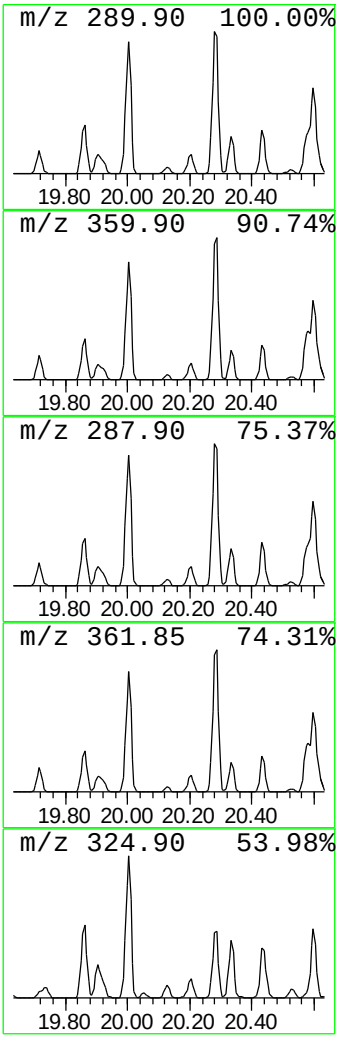
****

Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	4.62 ng/ul	608944	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
2	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99





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Quant Title : SVOA CALIBRATION

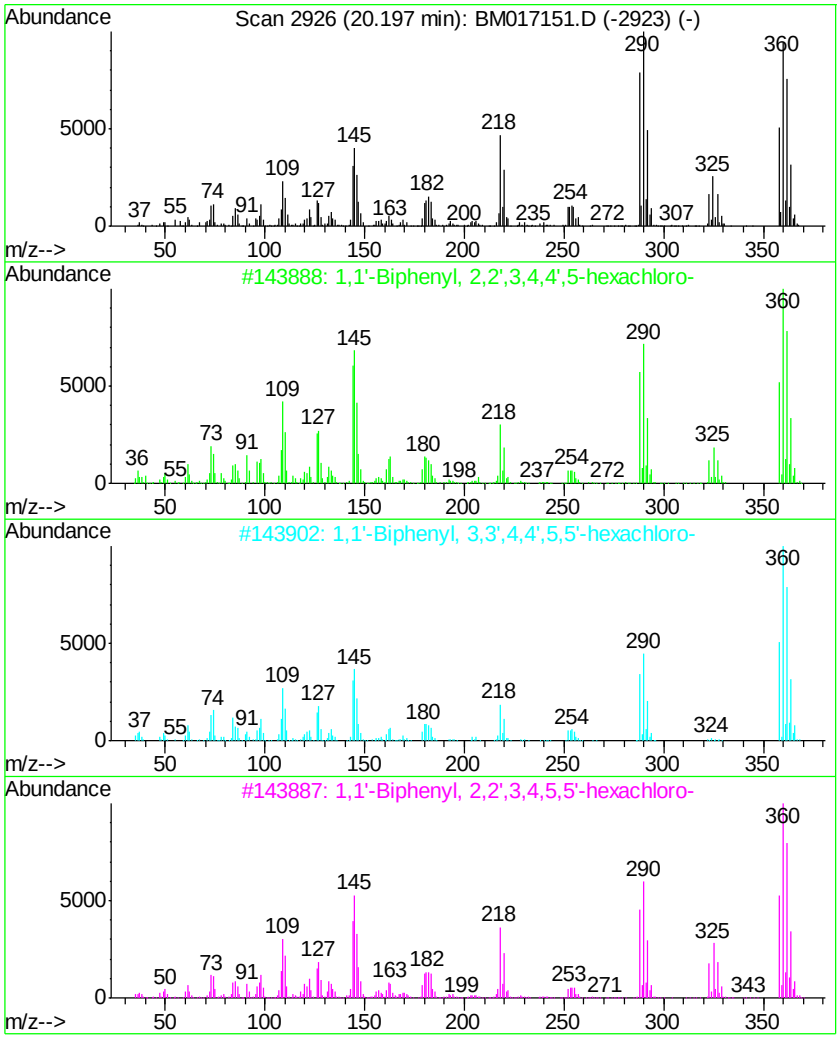
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

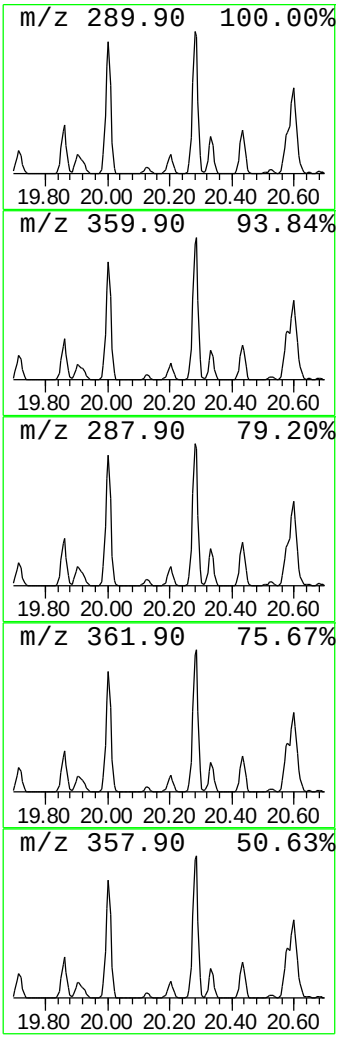
****

Peak Number 18 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	14.69 ng/ul	1935760	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





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Quant Title : SVOA CALIBRATION

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

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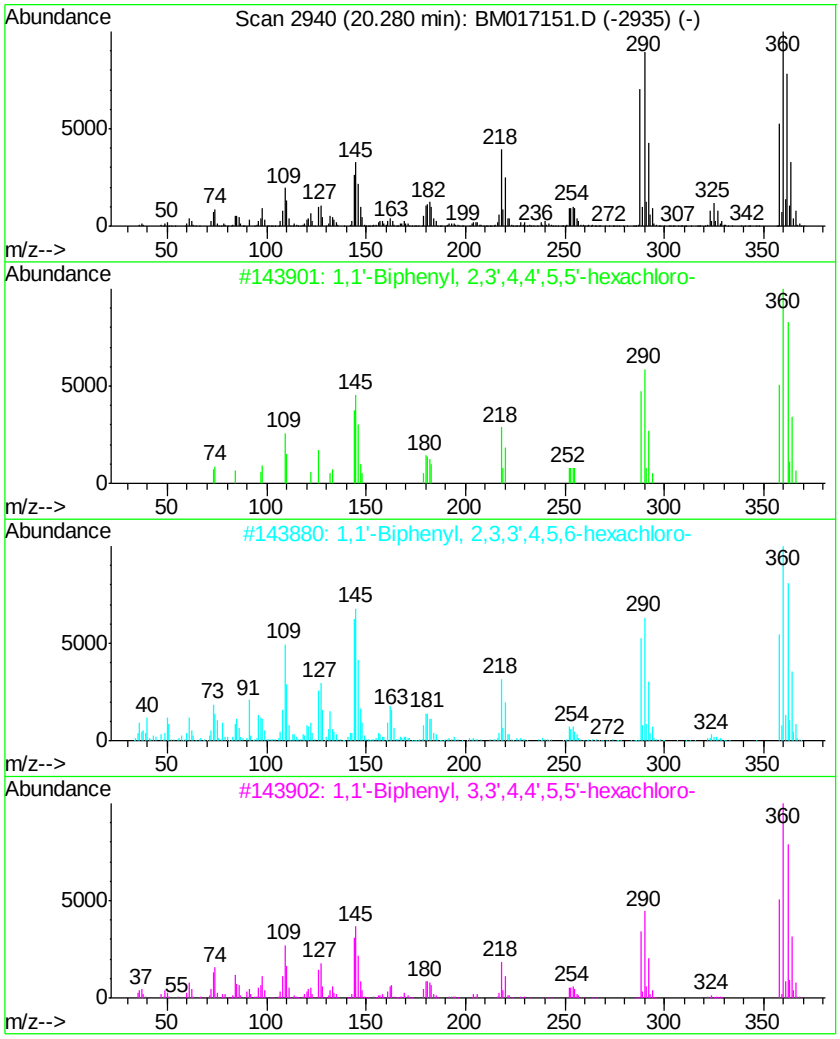
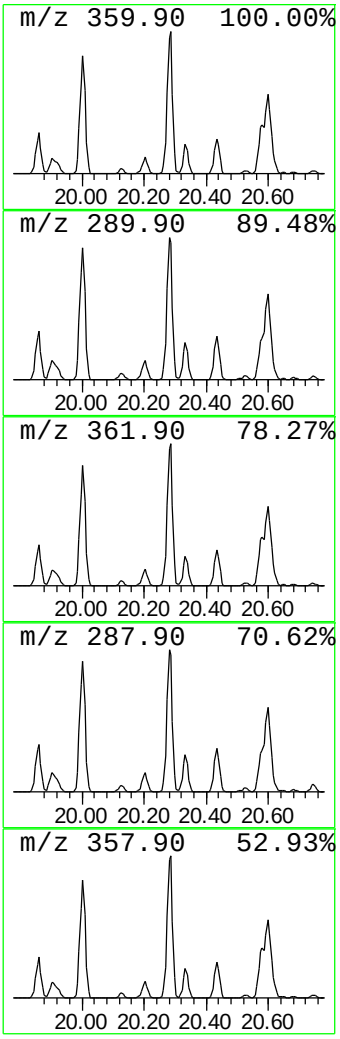
Peak Number 19 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.28	100.09 ng/ul	13192400	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
2	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
5	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99





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Quant Title : SVOA CALIBRATION

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

****
Peak Number 20 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	27.19 ng/ul	3583270	Chrysene-d12	21.27

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',4,4'-he...	358	C12H4Cl6	038380-07-3	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
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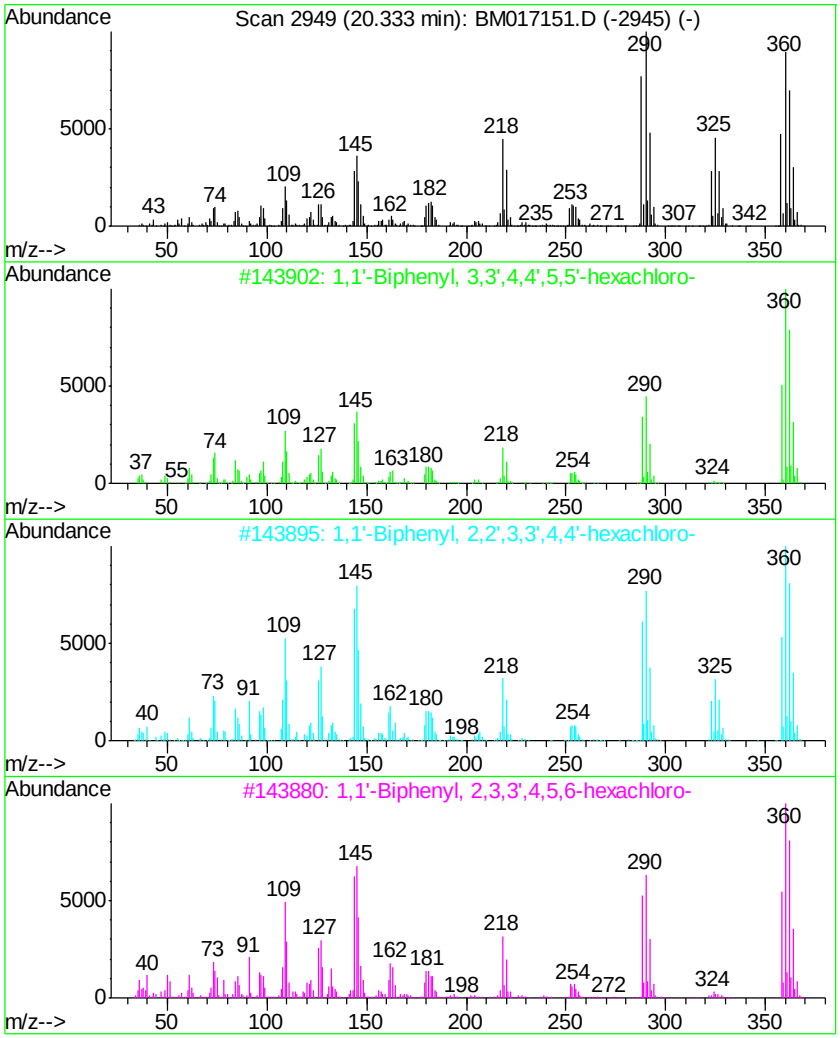

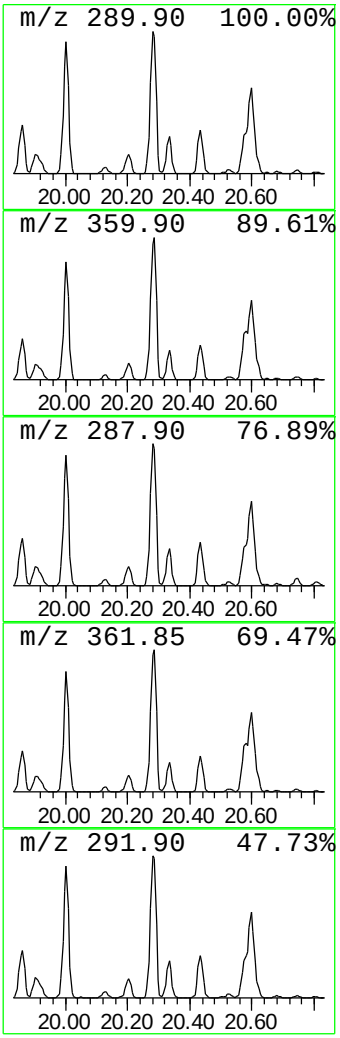

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Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

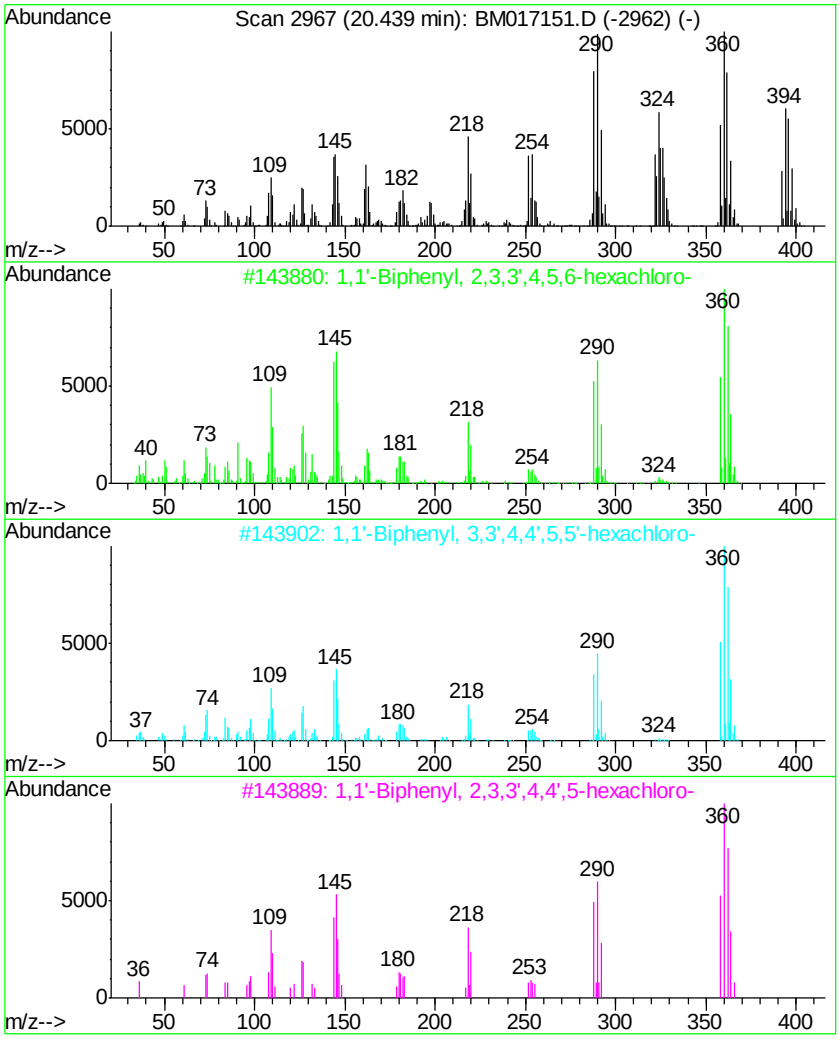
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

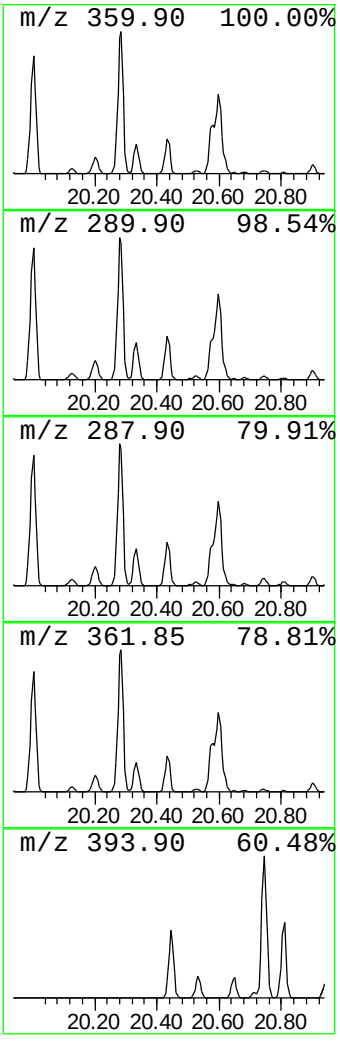
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	46.81 ng/ul	6169990	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	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',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99





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Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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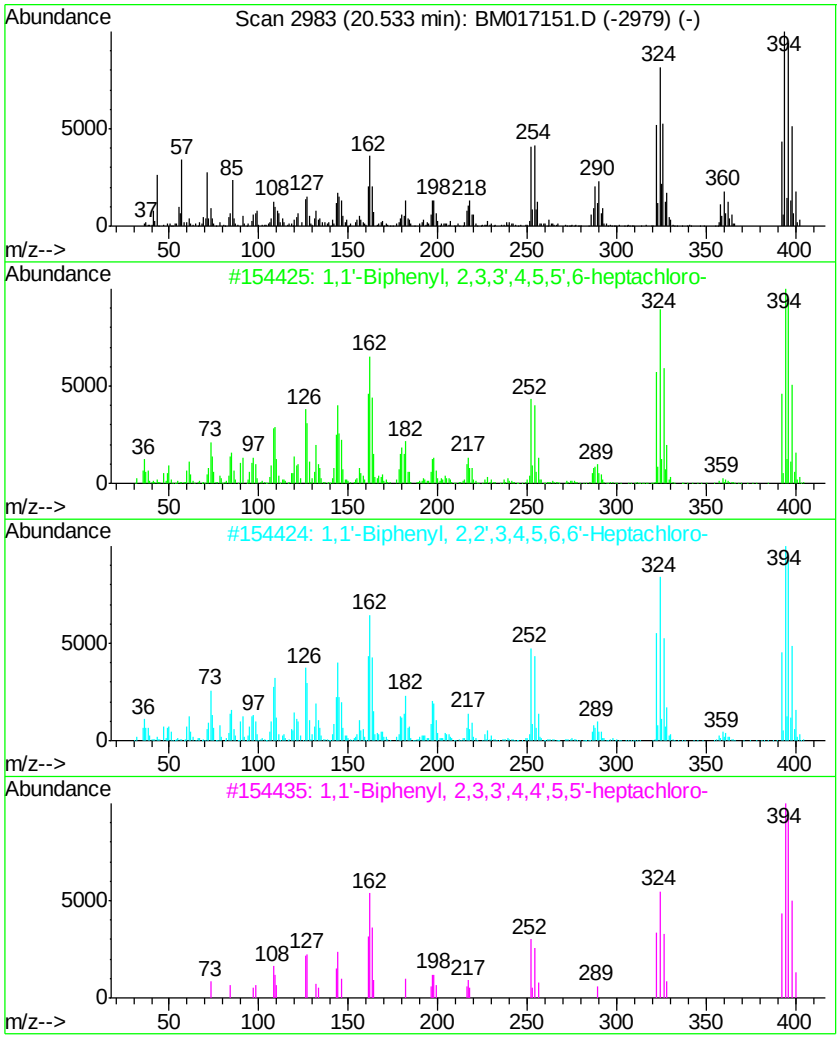
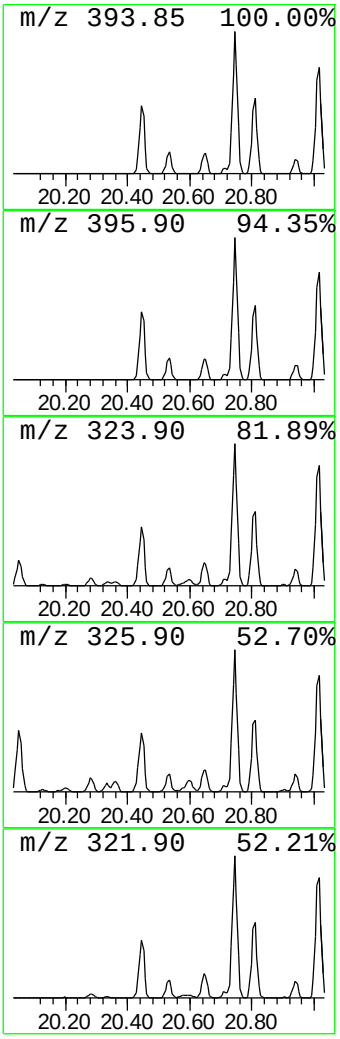
Peak Number 22 1,1'-Biphenyl, 2,3,3',4,5,5... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	8.58 ng/ul	1130410	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
2	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
3	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	98
4	1,1'-Biphenyl, 2,3,3',4',5,5',6-...	392	C12H3Cl7	069782-91-8	97
5	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	97





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Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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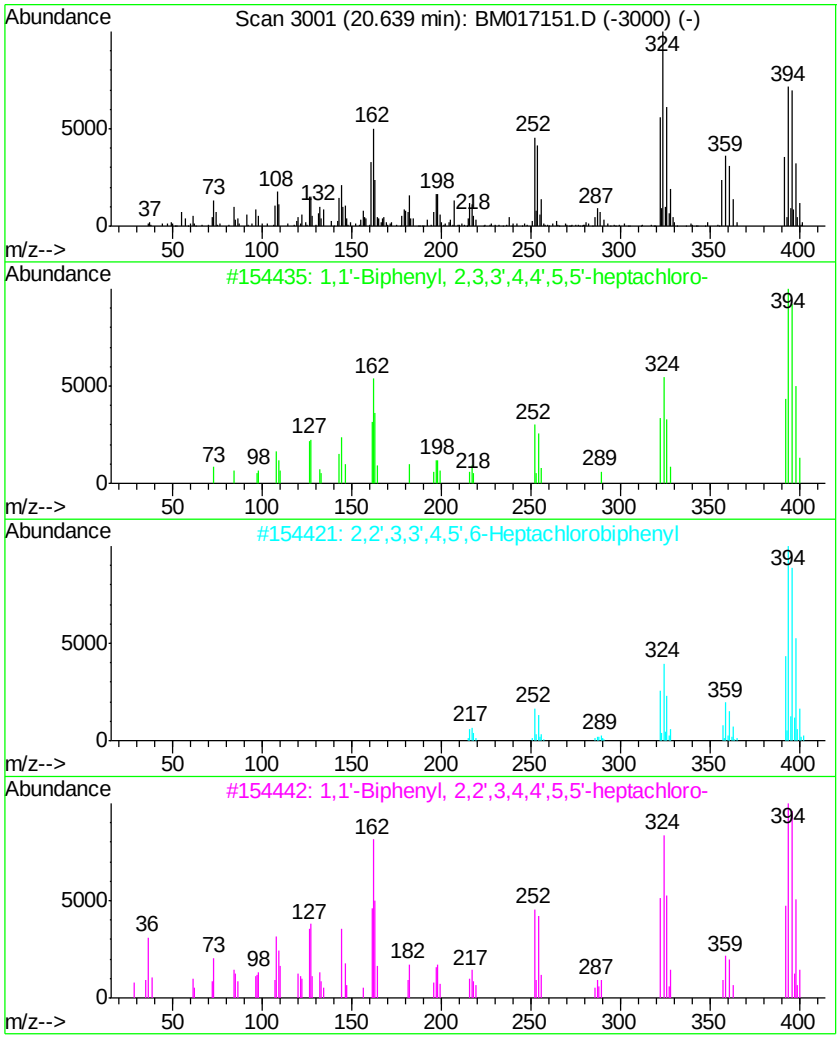
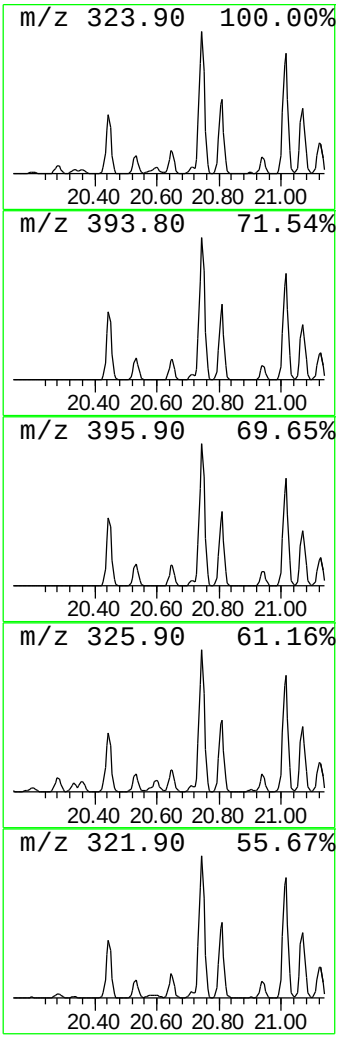
Peak Number 24 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	6.85 ng/ul	902275	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	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',5,5'-...	392	C12H3Cl7	035065-29-3	99
4	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
5	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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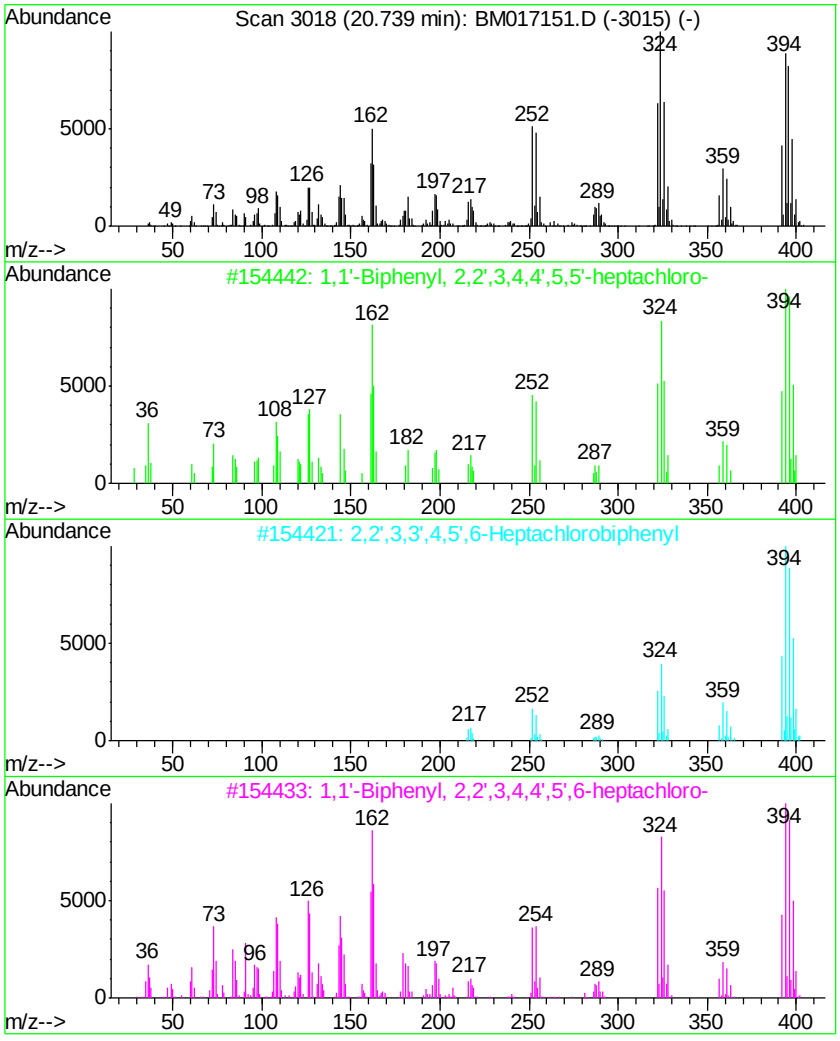
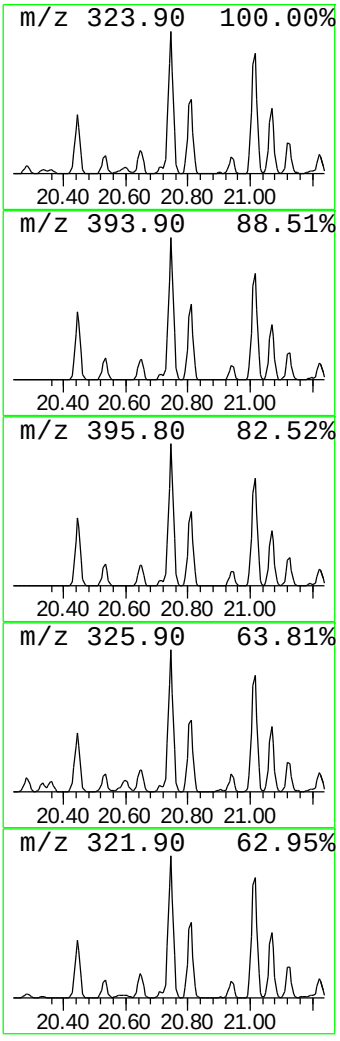
Peak Number 25 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	50.49 ng/ul	6655070	Chrysene-d12	21.27

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	052663-69-1	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
5	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99





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Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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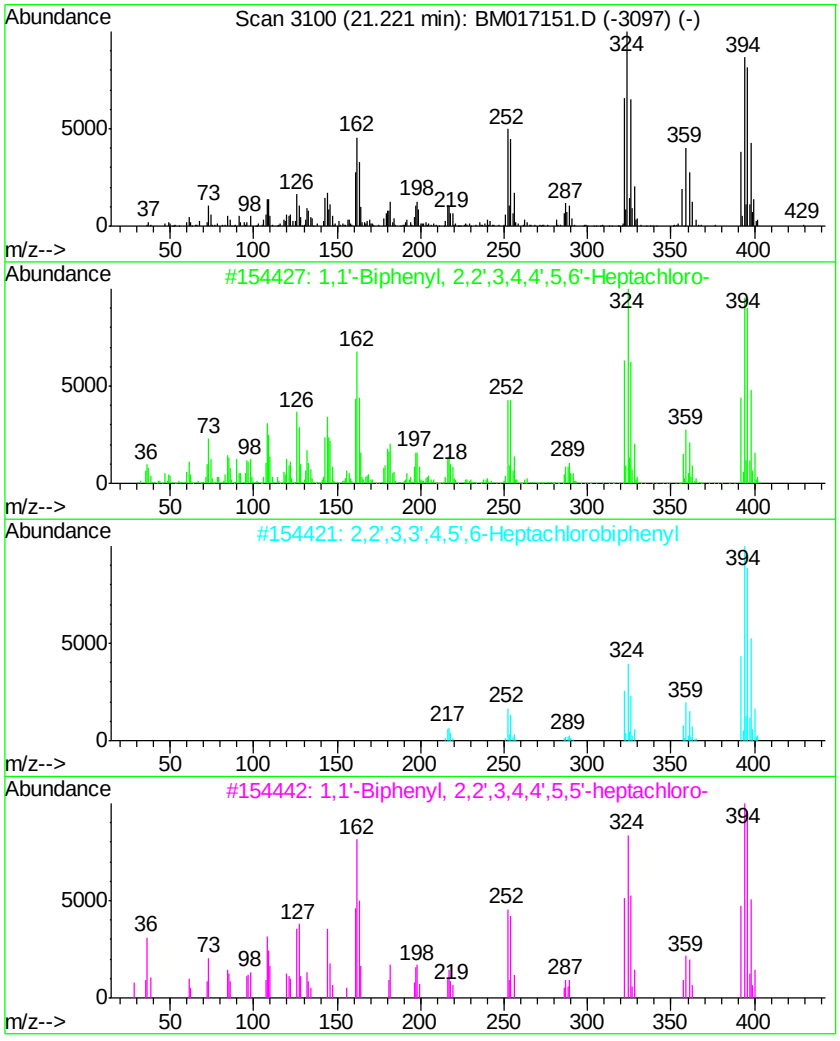
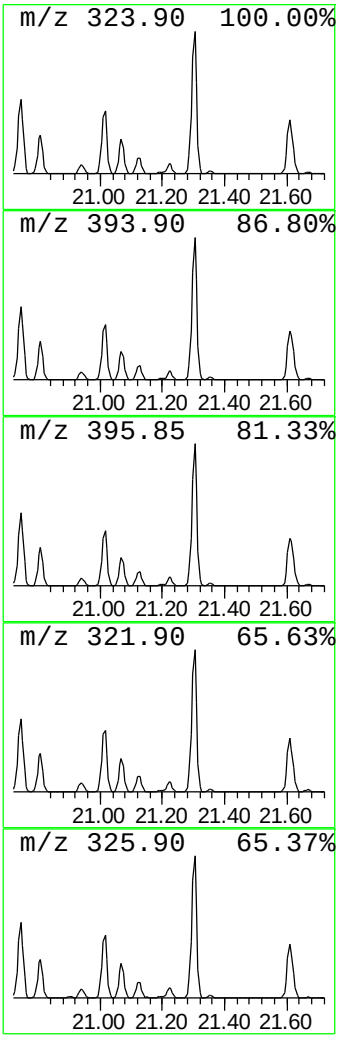
Peak Number 32 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.22	5.71 ng/ul	752349	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	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',5,5'-...	392	C12H3Cl7	035065-29-3	99
4	1,1'-Biphenyl, 2,2',3,3',4,5,5'-...	392	C12H3Cl7	052663-74-8	99
5	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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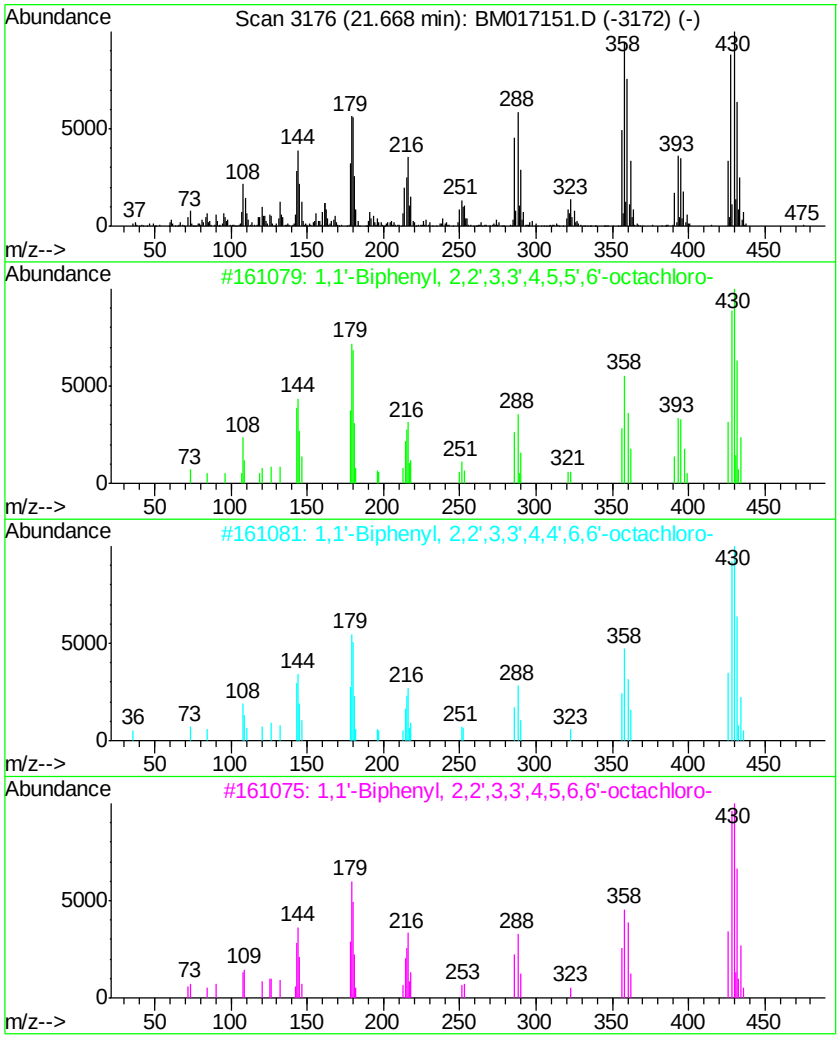
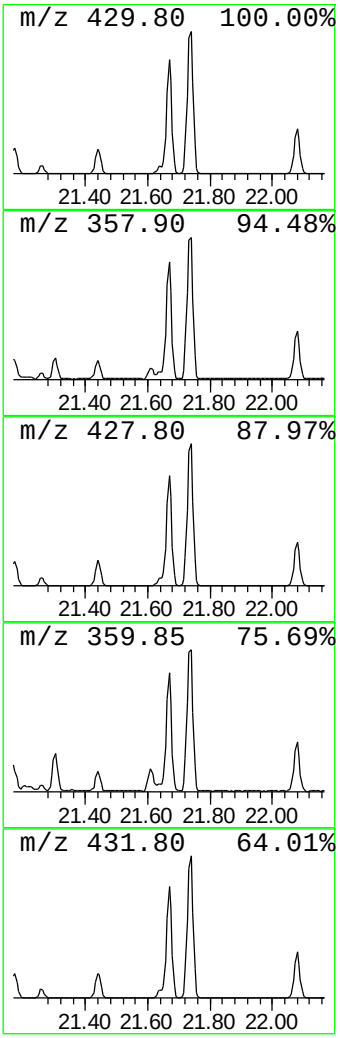
Peak Number 34 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	17.76 ng/ul	2340510	Chrysene-d12	21.27

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





Library Search Compound Report

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Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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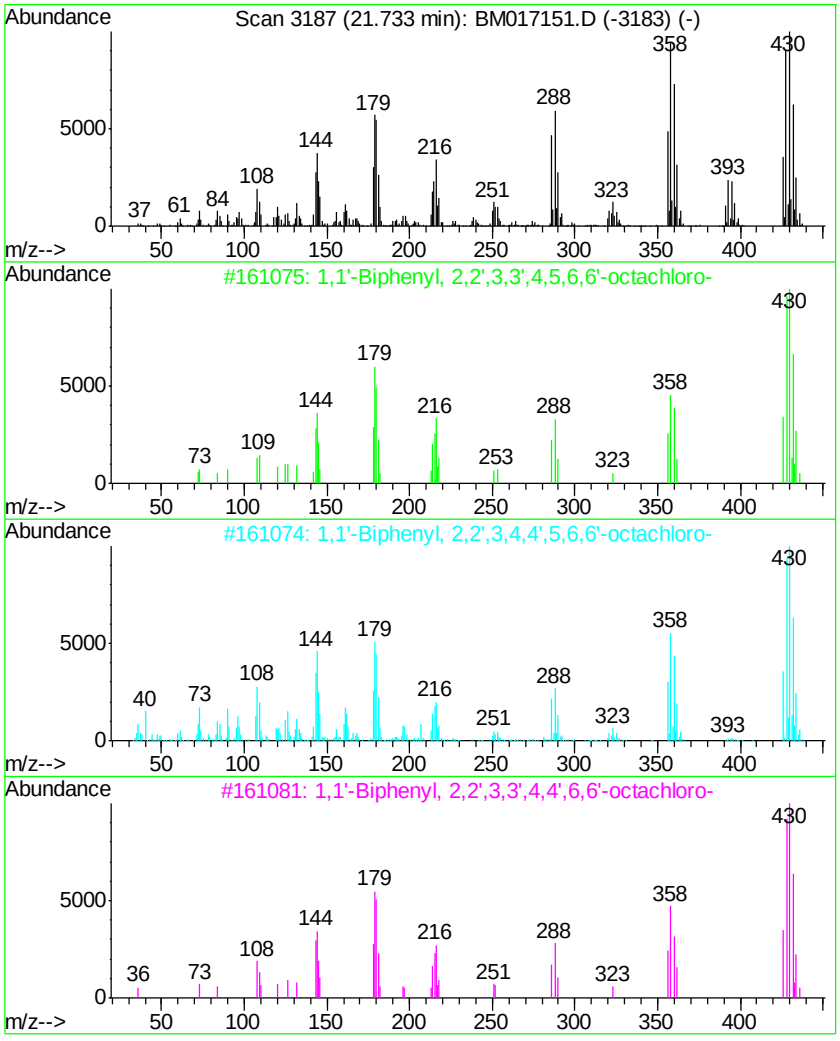
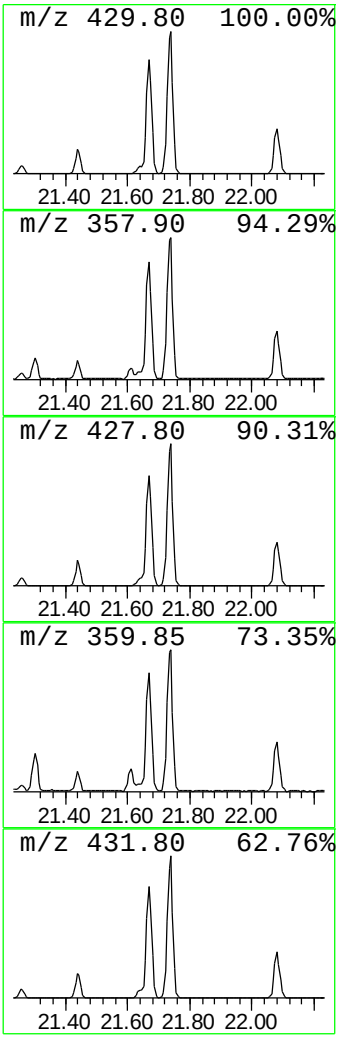
Peak Number 35 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	19.59 ng/ul	2582270	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	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',4,4',5,...	426	C12H2Cl8	052663-78-2	99
5	1,1'-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	99





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Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.M
Quant Title : SVOA CALIBRATION

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

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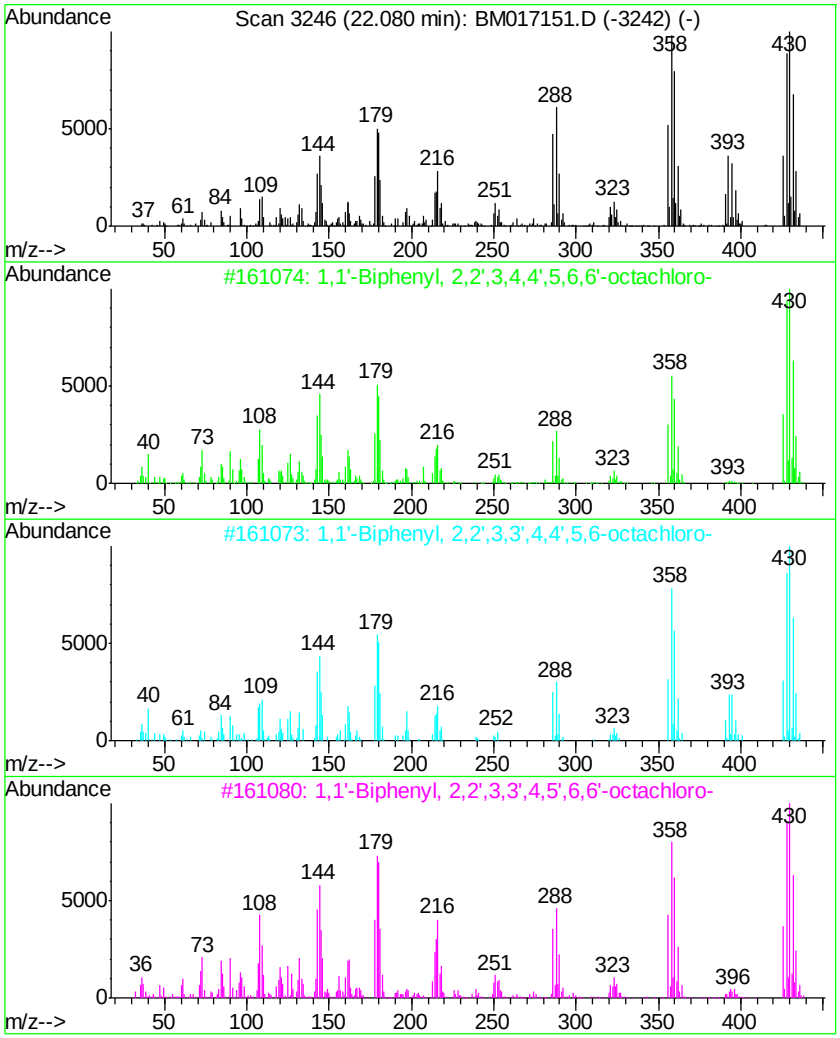
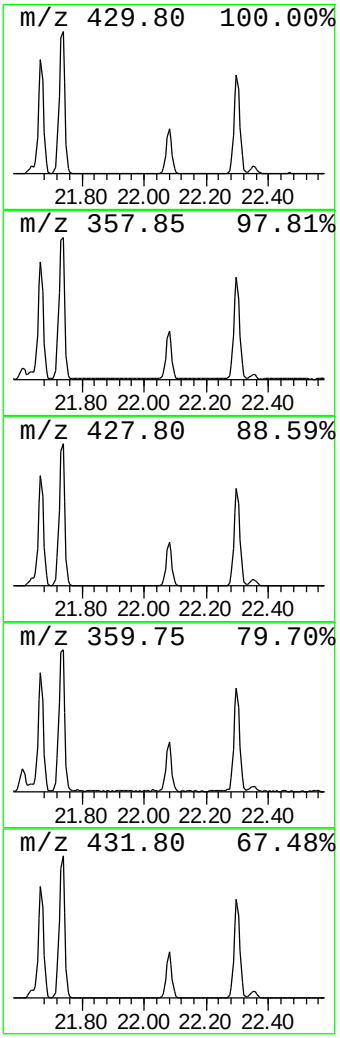
Peak Number 36 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.08	6.28 ng/ul	827893	Chrysene-d12	21.27

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',4,5',6,...	426	C12H2Cl8	040186-71-8	99
4	1,1'-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101318\
Data File : BM017151.D
Acq On : 13 Oct 2018 17:33
Operator : MJ/SJ
Sample : J5400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0BE1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100418MA.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
(DEL) Alkane: Str...	3.18	14.3	ng/ul	833186	1	7.69	1167200	20.0
(DEL) Alkane: Str...	4.67	2.6	ng/ul	151439	1	7.69	1167200	20.0
(DEL) Alkane: Str...	4.76	6.8	ng/ul	394816	1	7.69	1167200	20.0
4(axial)-(but-3-e...	15.12	2.3	ng/ul	301163	3	14.33	2639400	20.0
(DEL) Alkane: Str...	16.07	3.0	ng/ul	431202	4	17.08	2911050	20.0
1,1'-Biphenyl, 2,...	19.00	26.3	ng/ul	3825280	4	17.08	2911050	20.0
1,1'-Biphenyl, 2,...	19.21	4.5	ng/ul	587773	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	19.29	39.1	ng/ul	5151730	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	19.63	5.8	ng/ul	761725	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	19.72	18.4	ng/ul	2425100	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	19.90	19.6	ng/ul	2588800	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.00	88.1	ng/ul	11610900	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.05	7.1	ng/ul	939174	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.13	4.6	ng/ul	608944	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.20	14.7	ng/ul	1935760	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.28	100.1	ng/ul	13192400	5	21.27	2636200	20.0
1,1'-Biphenyl, 3,...	20.33	27.2	ng/ul	3583270	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.44	46.8	ng/ul	6169990	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.53	8.6	ng/ul	1130410	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.64	6.8	ng/ul	902275	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	20.74	50.5	ng/ul	6655070	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	21.22	5.7	ng/ul	752349	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	21.67	17.8	ng/ul	2340510	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	21.73	19.6	ng/ul	2582270	5	21.27	2636200	20.0
1,1'-Biphenyl, 2,...	22.08	6.3	ng/ul	827893	5	21.27	2636200	20.0