LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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_P\METHODS\SOM-EPA-BP100919MA.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	2.123	3	6	9	rBV	24150	25738	0.18%	0.013%
2	2.164	9	13	14	rVV2	16515	19597	0.14%	0.010%
3	2.187	14	17	34	rVB	113853	227234	1.58%	0.116%
4	2.334	37	42	50	rVB	254088	321168	2.23%	0.163%
5	2.834	121	127	135	rVB	18443	28928	0.20%	0.015%
6	3.770	279	286	293	rBV2	14029	25590	0.18%	0.013%
7	4.622	427	431	435	rVB	12978	15308	0.11%	0.008%
8	6.387	728	731	735	rBV	120442	104376	0.73%	0.053%
9	6.746	789	792	796	rBV	1783393	1386852	9.64%	0.706%
10	6.828	803	806	811	rVB	26709	23810	0.17%	0.012%
11	8.028	1007	1010	1014	rBV	2048261	1840491	12.79%	0.937%
12	9.799	1307	1311	1314	rBV	2530594	2287645	15.90%	1.164%
13	9.957	1335	1338	1343	rBV	17046	15832	0.11%	0.008%
14	10.716	1465	1467	1475	rVB4	26636	33442	0.23%	0.017%
15	10.857	1489	1491	1495	rBV	21710	16532	0.11%	0.008%
16	10.899	1495	1498	1502	rBV	150368	120832	0.84%	0.061%
17	10.987	1510	1513	1517	rBV	47319	38743	0.27%	0.020%
18	11.028	1517	1520	1522	rBV	63019	62136	0.43%	0.032%
19	11.052	1522	1524	1530	rVB	305464	298103	2.07%	0.152%
20	11.163	1540	1543	1546	rBV2	30442	40964	0.28%	0.021%
21	11.222	1550	1553	1556	rBV	161919	156079	1.08%	0.079%
22	11.246	1556	1557	1560	rVB	82988	44500	0.31%	0.023%
23	11.293	1561	1565	1568	rBV	2856529	2559693	17.79%	1.303%
24	11.404	1579	1584	1588	rBV2	368967	500369	3.48%	0.255%
25	11.557	1607	1610	1612	rBV	94192	82067	0.57%	0.042%
26	11.599	1615	1617	1619	rVV2	56554	45304	0.31%	0.023%
27	11.646	1619	1625	1628	rVB	859043	955435	6.64%	0.486%
28	11.710	1633	1636	1640	rVB2	313537	329407	2.29%	0.168%
29	11.757	1641	1644	1646	rBV2	51028	44964	0.31%	0.023%
30	11.793	1646	1650	1653	rVV2	498940	576096	4.00%	0.293%
31	11.816	1653	1654	1659	rVV2	155517	133078	0.92%	0.068%
32	11.899	1663	1668	1669	rVV2	141894	177471	1.23%	0.090%
33	11.928	1669	1673	1675	rVV	7072516	6839966	47.53%	3.481%
34	11.957	1675	1678	1681	rVV	2508505	2001446	13.91%	1.019%

LSC Area Percent Report

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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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_P\METHODS\SOM-EPA-BP100919MA.M
Title : SVOA CALIBRATION

35	11.981	1681	1682	1685	rVV	599309	483016	3.36%	0.246%
36	12.016	1685	1688	1691	rVB	250497	228931	1.59%	0.117%
37	12.093	1697	1701	1704	rBV	4336633	3700297	25.71%	1.883%
38	12.122	1704	1706	1709	rVV2	427208	348220	2.42%	0.177%
39	12.175	1709	1715	1717	rVV3	512909	835930	5.81%	0.425%
40	12.199	1717	1719	1722	rVB	1730345	1295663	9.00%	0.659%
41	12.240	1722	1726	1728	rBV	745664	679120	4.72%	0.346%
42	12.257	1728	1729	1733	rVB	365082	232559	1.62%	0.118%
43	12.293	1733	1735	1737	rBV2	37749	45105	0.31%	0.023%
44	12.351	1742	1745	1748	rBV2	155936	160390	1.11%	0.082%
45	12.393	1748	1752	1755	rBV2	1924899	2100072	14.59%	1.069%
46	12.451	1755	1762	1766	rVV2	8470944	14391744	100.00%	7.324%
47	12.499	1766	1770	1773	rVB	2329073	1865573	12.96%	0.949%
48	12.528	1773	1775	1778	rVB	110932	103314	0.72%	0.053%
49	12.581	1780	1784	1788	rBV2	3785377	4160062	28.91%	2.117%
50	12.634	1788	1793	1796	rVV2	8801330	13842745	96.19%	7.045%
51	12.675	1796	1800	1803	rVV	6430608	5561901	38.65%	2.830%
52	12.716	1804	1807	1809	rVV	266431	219223	1.52%	0.112%
53	12.746	1809	1812	1816	rVB	1014063	935113	6.50%	0.476%
54	12.799	1817	1821	1824	rBV	5654850	4977754	34.59%	2.533%
55	12.851	1824	1830	1833	rVV	7338088	7717863	53.63%	3.928%
56	12.881	1833	1835	1837	rVV	3324322	2865281	19.91%	1.458%
57	12.928	1837	1843	1846	rVV2	9249481	13158556	91.43%	6.696%
58	12.951	1846	1847	1852	rVB	527869	404827	2.81%	0.206%
59	13.010	1852	1857	1859	rBV2	2605420	3747073	26.04%	1.907%
60	13.028	1859	1860	1864	rVV	1601410	1730773	12.03%	0.881%
61	13.063	1864	1866	1868	rVV	1116427	993717	6.90%	0.506%
62	13.099	1868	1872	1875	rVV	6962019	7557179	52.51%	3.846%
63	13.146	1875	1880	1883	rVV	8975829	10889782	75.67%	5.542%
64	13.181	1883	1886	1889	rVB	1181563	1002142	6.96%	0.510%
65	13.234	1889	1895	1899	rVB2	1896344	2476426	17.21%	1.260%
66	13.298	1901	1906	1908	rBV	7050697	7942882	55.19%	4.042%
67	13.322	1908	1910	1912	rVV	4619379	4591906	31.91%	2.337%
68	13.346	1912	1914	1917	rVB	6543374	5730243	39.82%	2.916%
69	13.393	1917	1922	1926	rVB	2875250	2417177	16.80%	1.230%
70	13.440	1926	1930	1931	rBV	1370371	1136265	7.90%	0.578%
71	13.457	1931	1933	1936	rVV	1405987	1106693	7.69%	0.563%

LSC Area Percent Report

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Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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_P\METHODS\SOM-EPA-BP100919MA.M
Title : SVOA CALIBRATION

72	13.516	1936	1943	1947	rVV	7737188	13091981	90.97%	6.662%
73	13.563	1949	1951	1954	rVV	1213987	928003	6.45%	0.472%
74	13.610	1956	1959	1963	rVB2	890373	797788	5.54%	0.406%
75	13.651	1963	1966	1969	rBV	544663	480020	3.34%	0.244%
76	13.722	1973	1978	1981	rBV	4208112	4054380	28.17%	2.063%
77	13.746	1981	1982	1987	rVB3	83254	65635	0.46%	0.033%
78	13.798	1987	1991	1994	rBV	970774	908692	6.31%	0.462%
79	13.834	1994	1997	2001	rVV2	570738	576367	4.00%	0.293%
80	13.875	2001	2004	2006	rVV	424924	405527	2.82%	0.206%
81	13.898	2006	2008	2011	rVV	2344664	1944574	13.51%	0.990%
82	13.934	2011	2014	2018	rVV2	599593	693126	4.82%	0.353%
83	13.975	2018	2021	2024	rVV	2841985	2532715	17.60%	1.289%
84	14.004	2024	2026	2031	rVB	1962681	1807021	12.56%	0.920%
85	14.181	2052	2056	2061	rBV	3937260	3560891	24.74%	1.812%
86	14.228	2061	2064	2068	rVV	1514716	1392662	9.68%	0.709%
87	14.269	2069	2071	2076	rBV4	179294	161235	1.12%	0.082%
88	14.316	2077	2079	2080	rBV2	180911	137225	0.95%	0.070%
89	14.340	2080	2083	2089	rVB	930464	858919	5.97%	0.437%
90	14.693	2140	2143	2147	rVB3	134787	131994	0.92%	0.067%
91	15.410	2262	2265	2268	rBV	229151	266964	1.85%	0.136%
92	15.451	2268	2272	2283	rVB	2009769	2662171	18.50%	1.355%
93	15.592	2293	2296	2302	rVB2	302955	433525	3.01%	0.221%
94	16.157	2388	2392	2399	rVB	612480	1102050	7.66%	0.561%
95	16.592	2461	2466	2477	rVB	1090287	1924710	13.37%	0.979%
96	17.175	2561	2565	2571	rVB	292761	525192	3.65%	0.267%
97	17.245	2573	2577	2586	rVB	251845	515449	3.58%	0.262%
98	17.957	2691	2698	2708	rVB	629019	1530440	10.63%	0.779%

Sum of corrected areas: 196503969

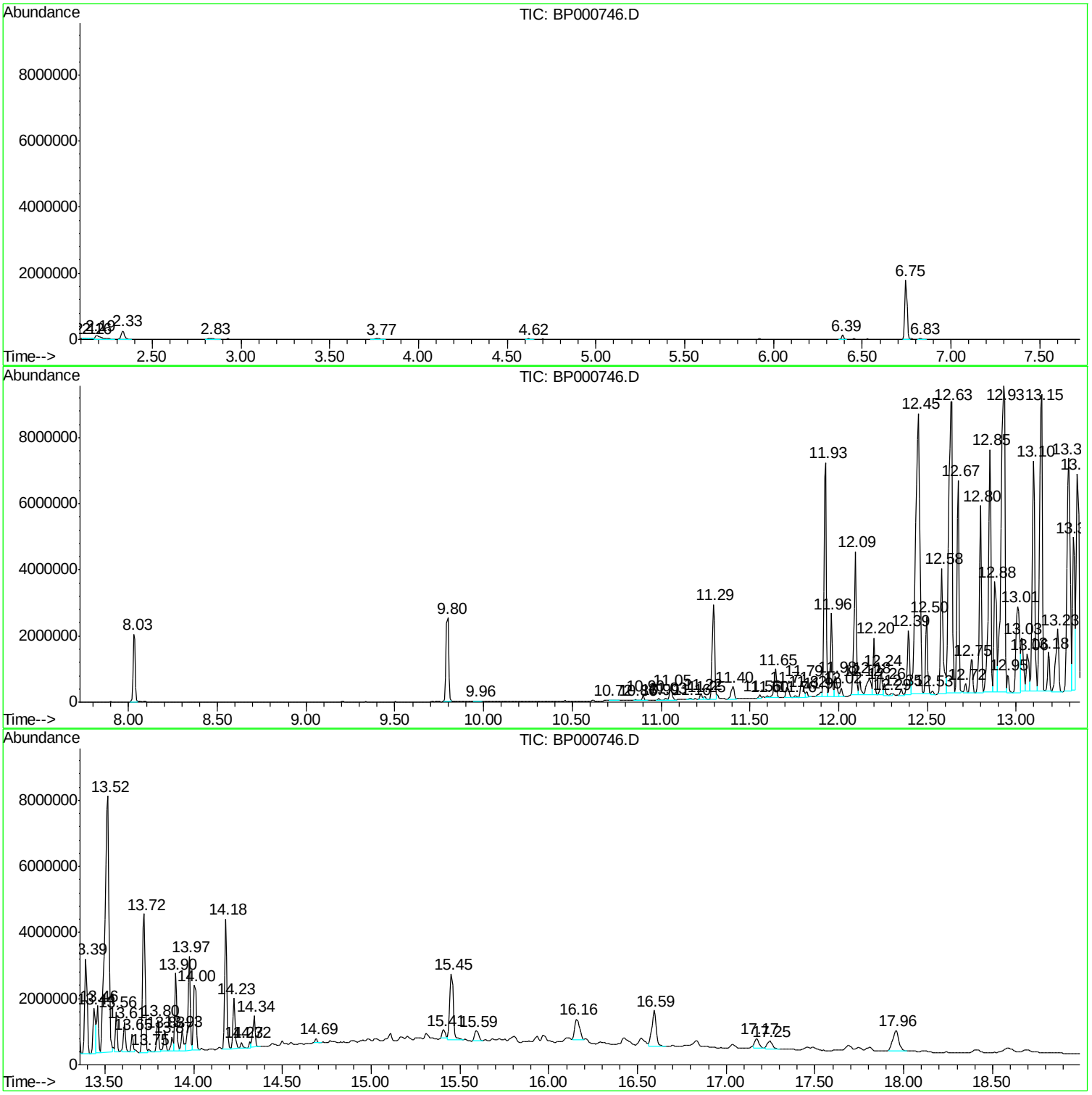
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

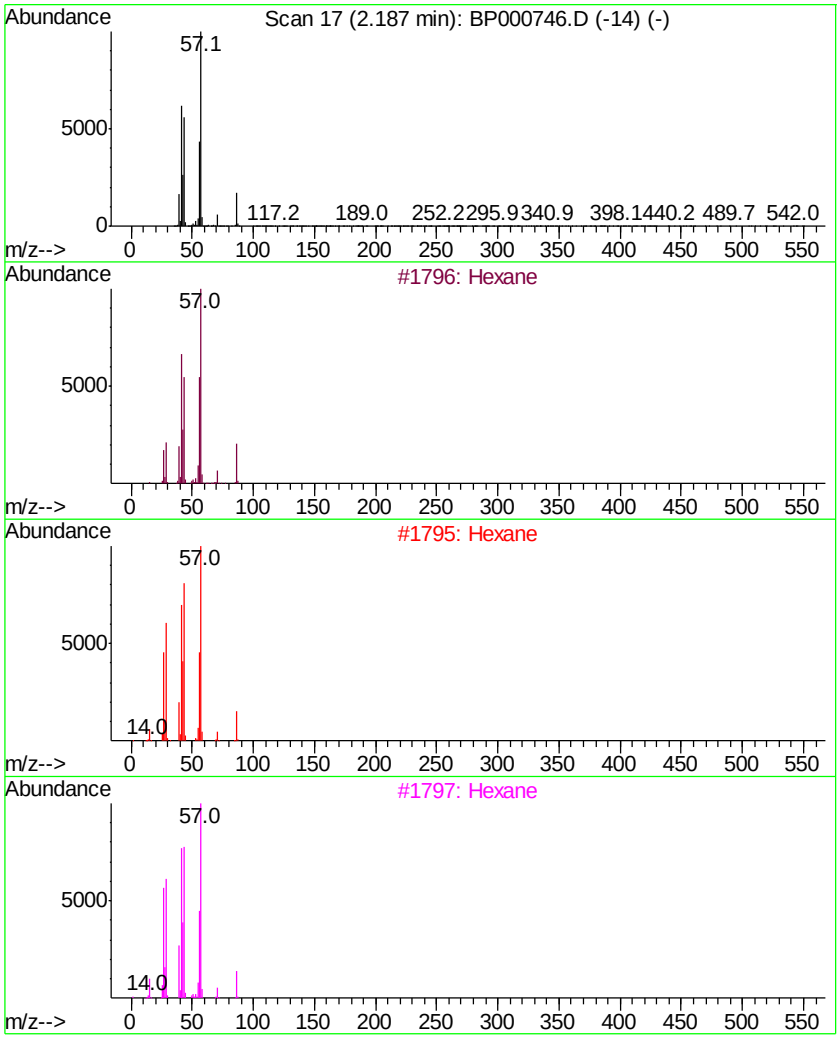
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

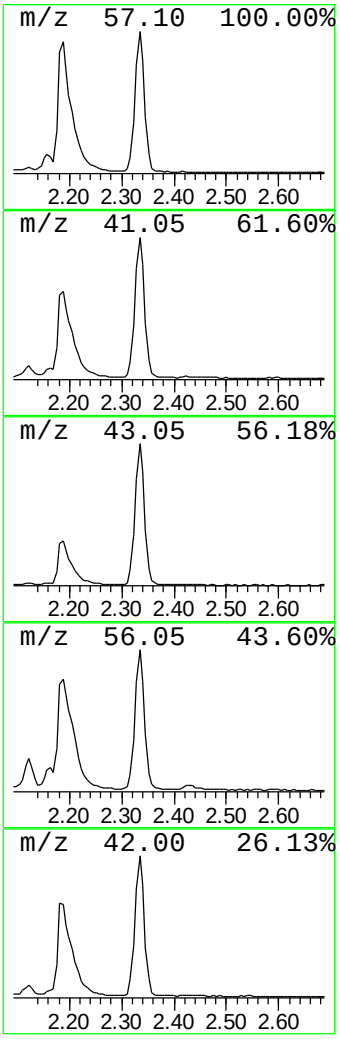
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	3.28 ng/ul	227234	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	91
2	Hexane	86	C6H14	000110-54-3	74
3	Hexane	86	C6H14	000110-54-3	47
4	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	38
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

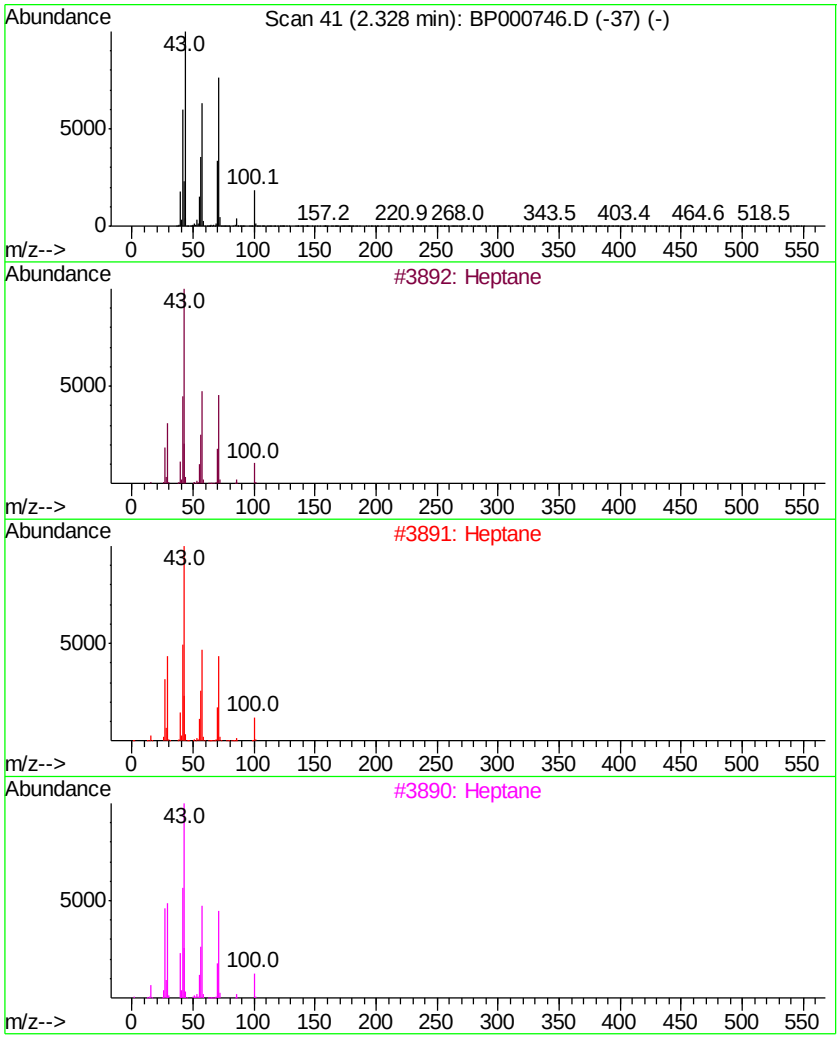
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

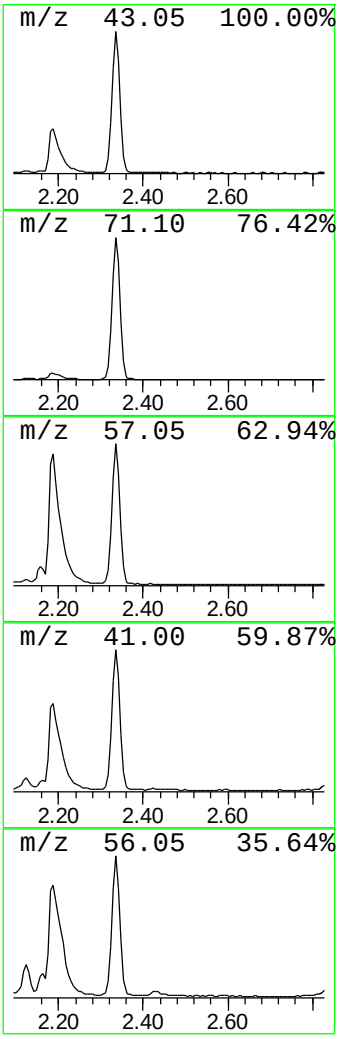
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	4.63 ng/ul	321168	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
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Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

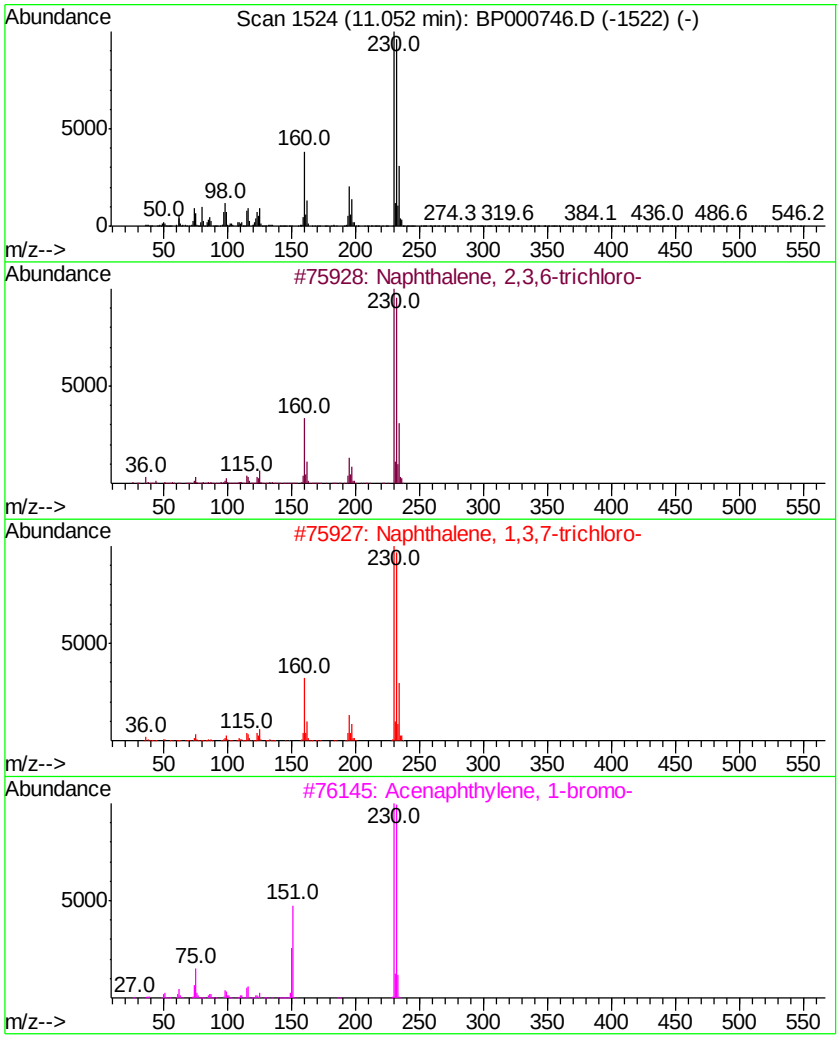
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

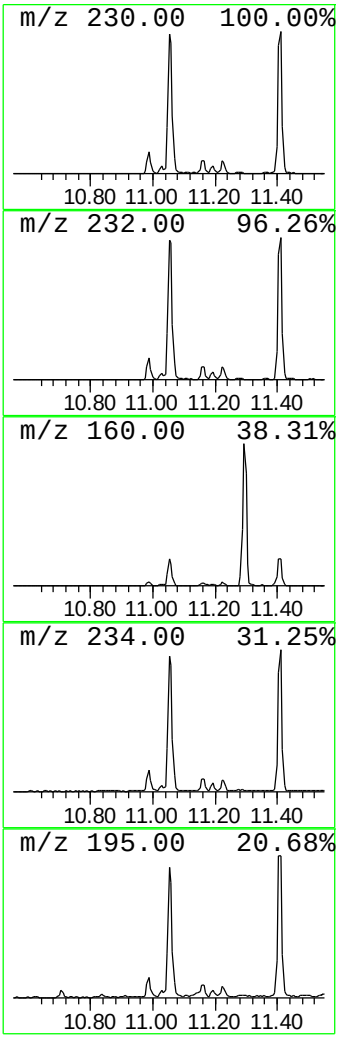
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3,6-trichloro- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	2.33 ng/ul	298103	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	99
2	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	99
3	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	64
4	1-Perchloroethenyl-4-ethynylbenzene	230	C10H5Cl3	1000283-76-9	62
5	Toluene, 2-bromo-3,5-dimethoxy-	230	C9H11BrO2	013321-73-8	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

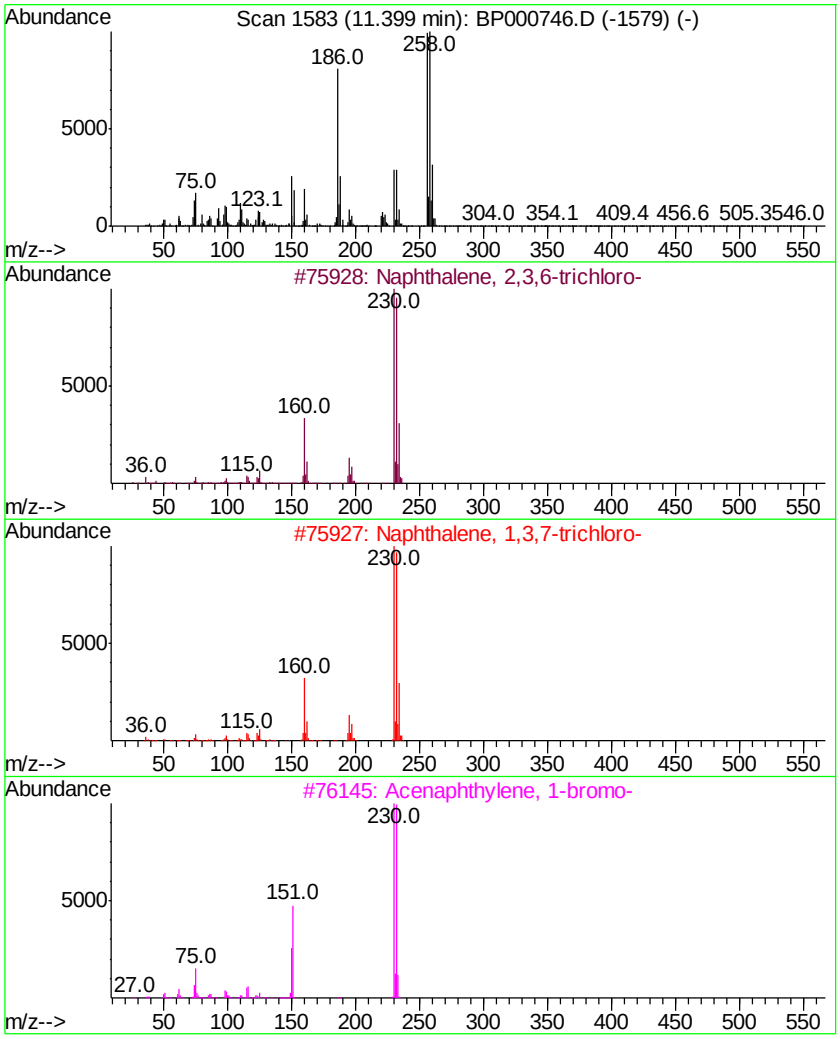
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

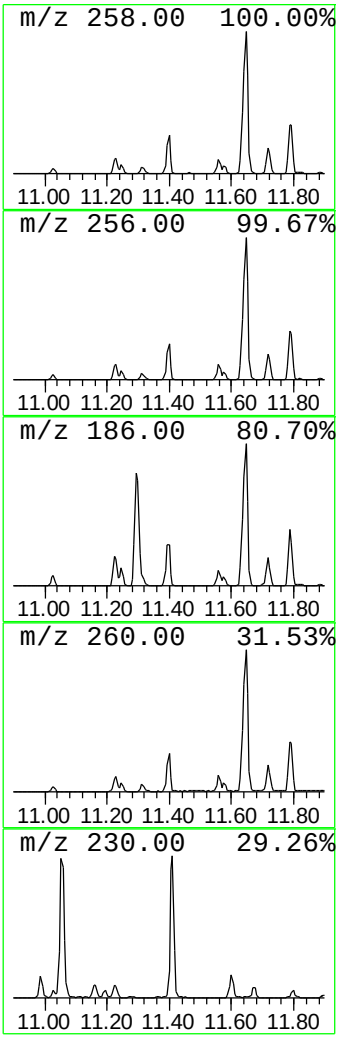
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 1,3,7-trichloro- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.91 ng/ul	500369	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trichloro-	230	C10H5Cl3	055720-40-6	98
2	Naphthalene, 1,3,7-trichloro-	230	C10H5Cl3	055720-37-1	98
3	Acenaphthylene, 1-bromo-	230	C12H7Br	054736-49-1	46
4	4-Chloro-1,8-naphthalic anhydride	232	C12H5ClO3	004053-08-1	43
5	Benzaldehyde, 3-bromo-4-hydroxy-...	230	C8H7BrO3	002973-76-4	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

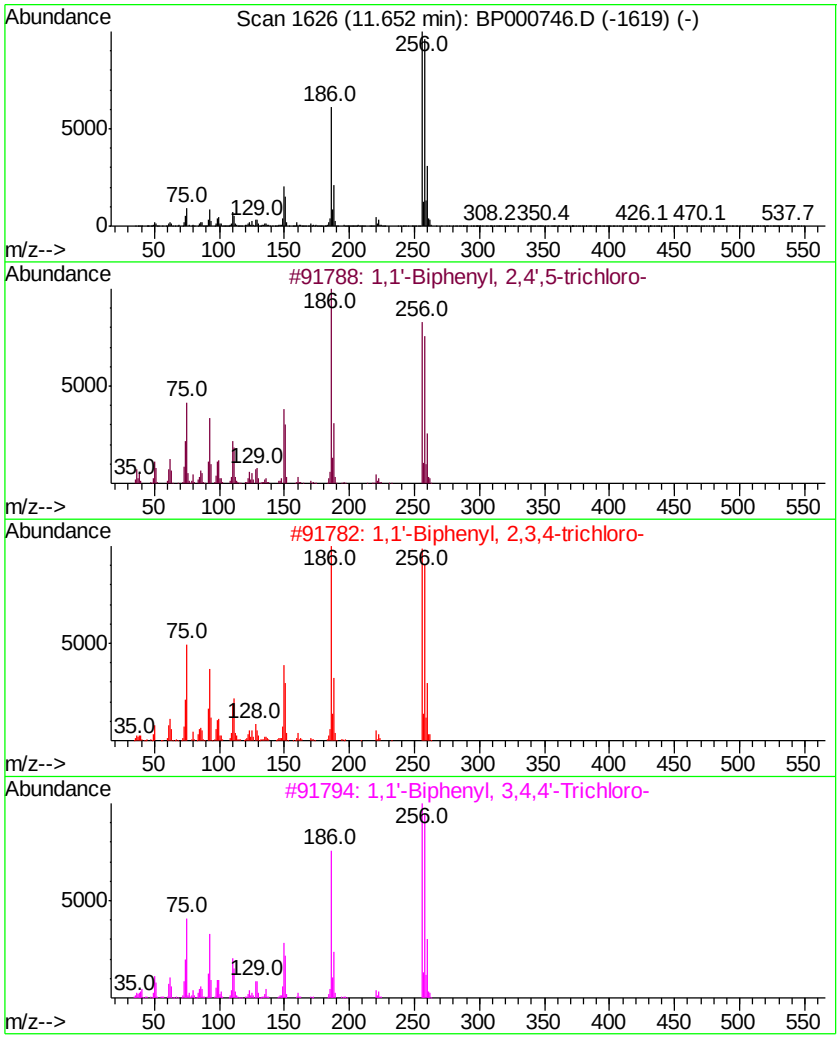
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

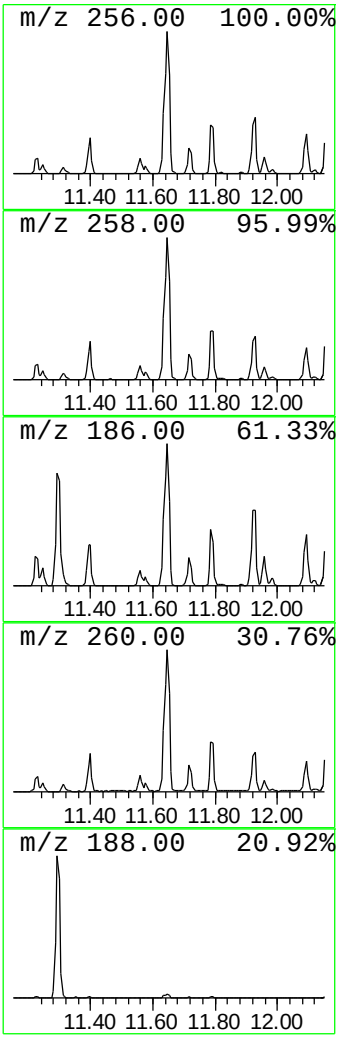
****

Peak Number 5 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	7.47 ng/ul	955435	Phenanthrene-d10	11.29

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, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
3	1,1'-Biphenyl, 3,4,4'-Trichloro-	256	C12H7Cl3	038444-90-5	99
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

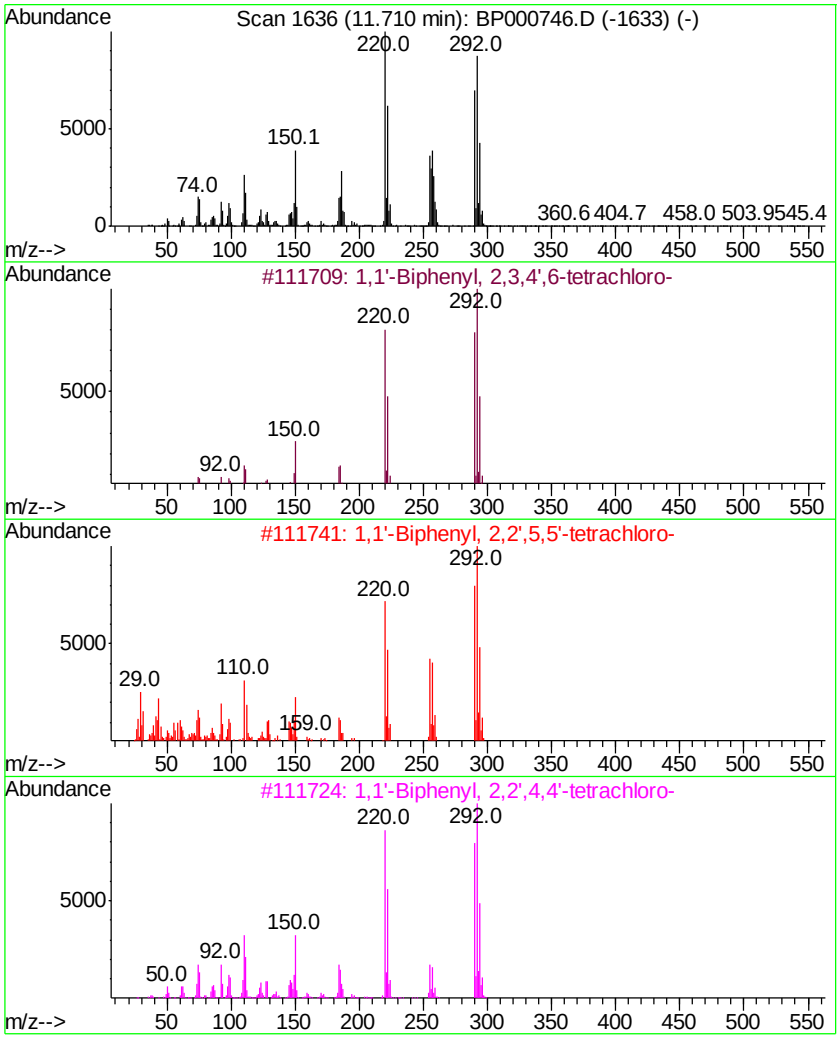
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

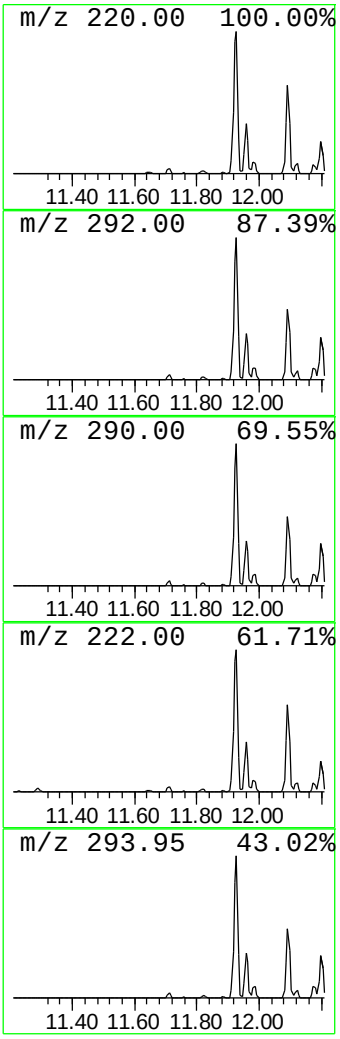
****

Peak Number 6 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.57 ng/ul	329407	Phenanthrene-d10	11.29

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',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





Library Search Compound Report

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Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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Quant Title : SVOA CALIBRATION

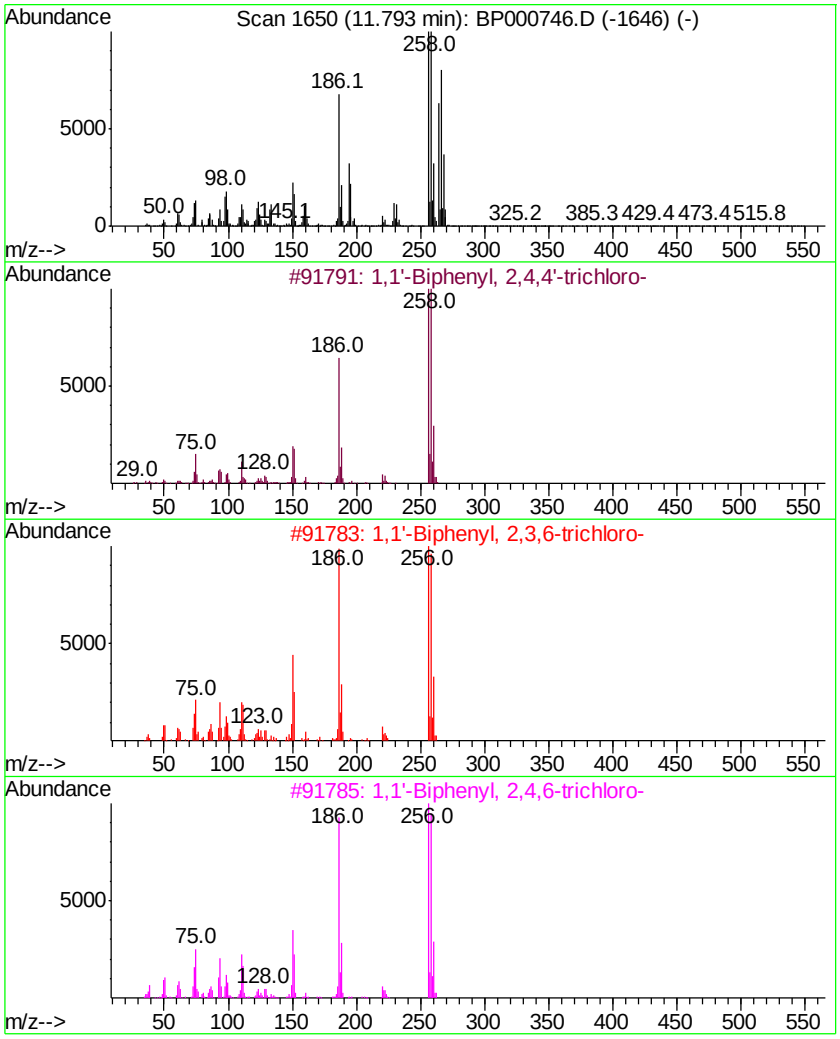
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

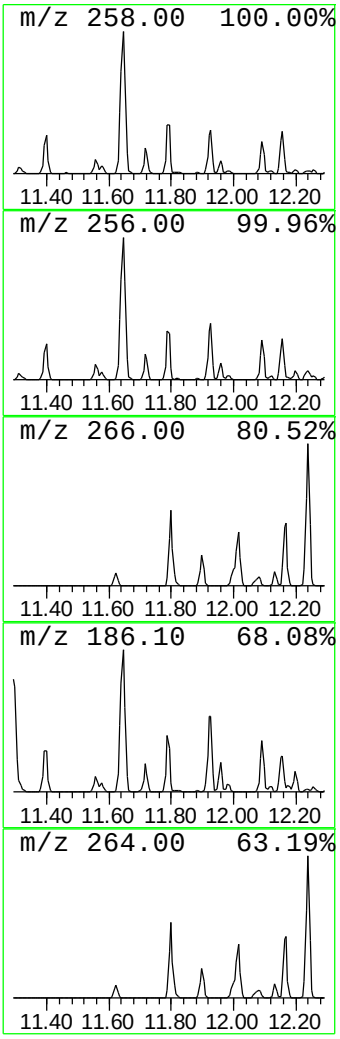
****

Peak Number 7 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.50 ng/ul	576096	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
2	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	97
3	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96
4	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	96
5	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	95





Library Search Compound Report

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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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Quant Title : SVOA CALIBRATION

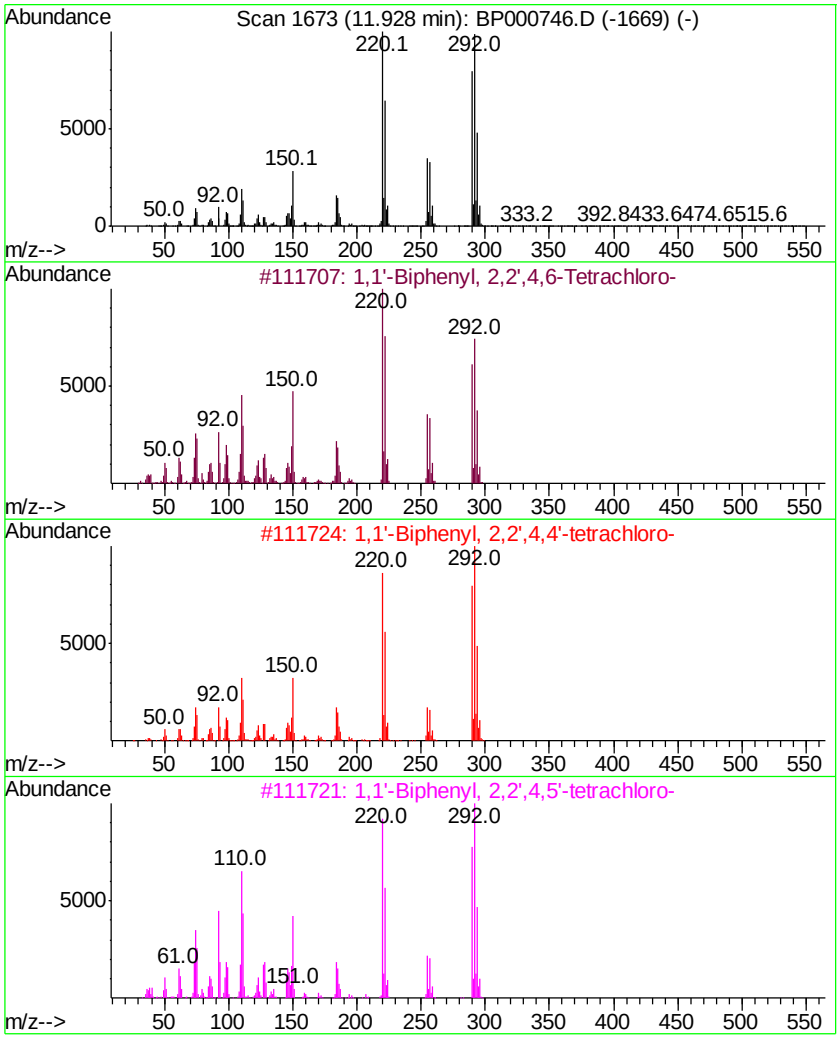
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

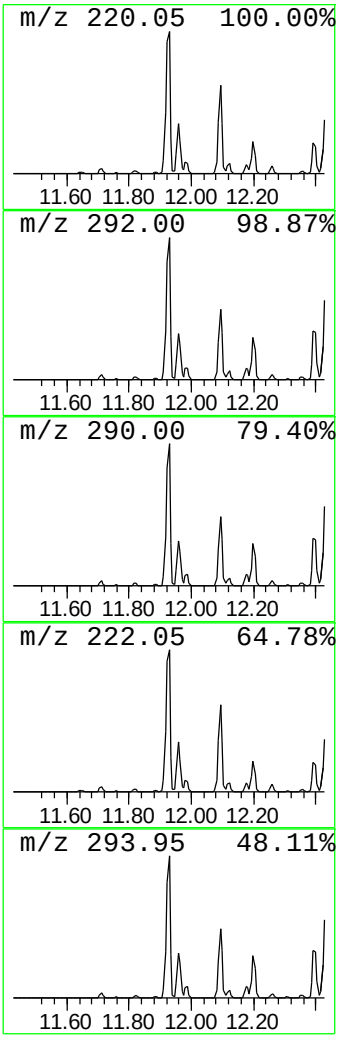
****

Peak Number 8 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	53.44 ng/ul	6839970	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
4	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





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Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

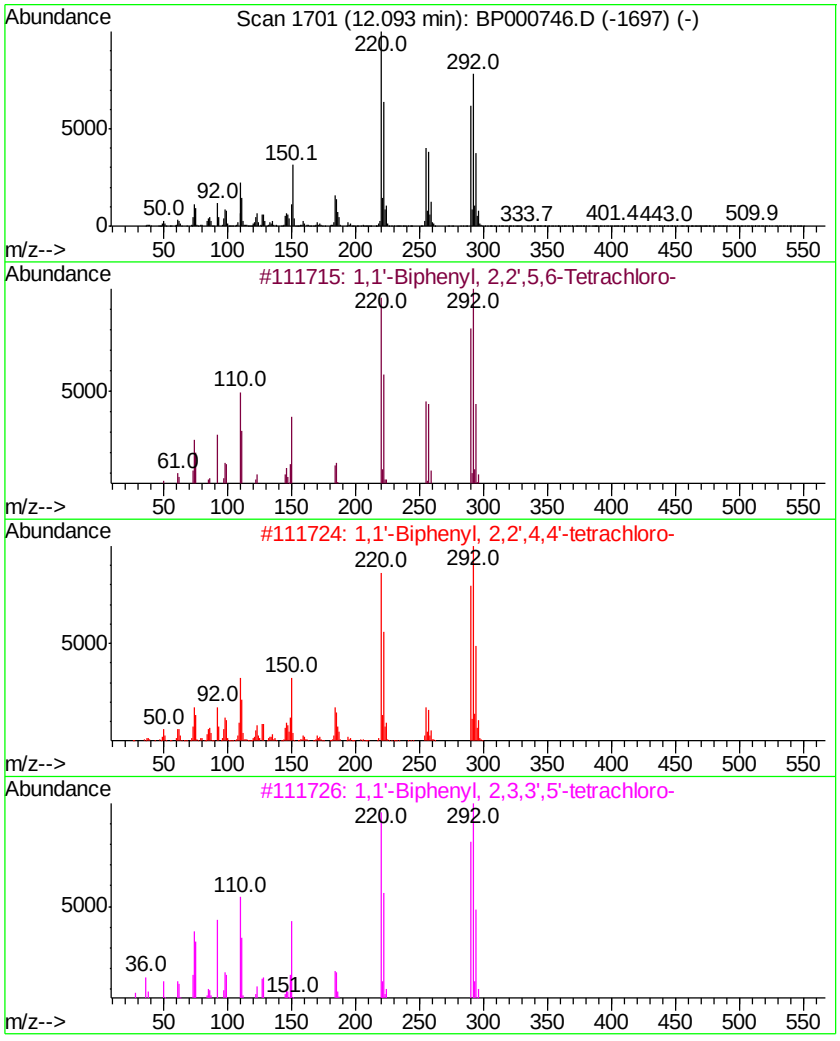
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

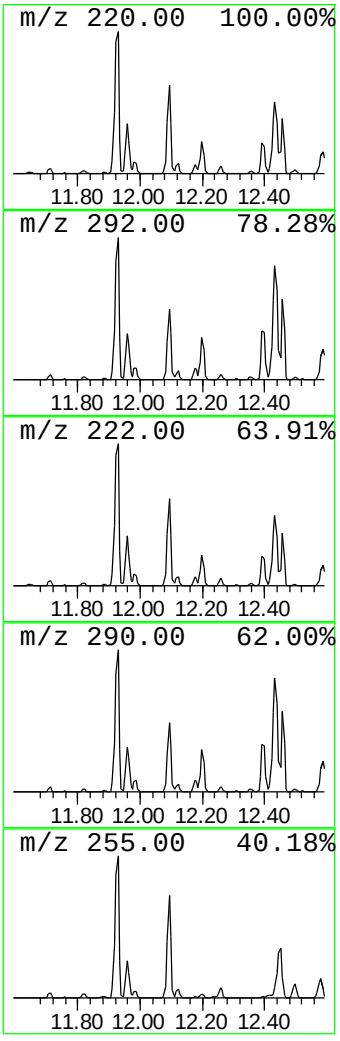
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	28.91 ng/ul	3700300	Phenanthrene-d10	11.29

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, 2,3,3',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',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





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Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

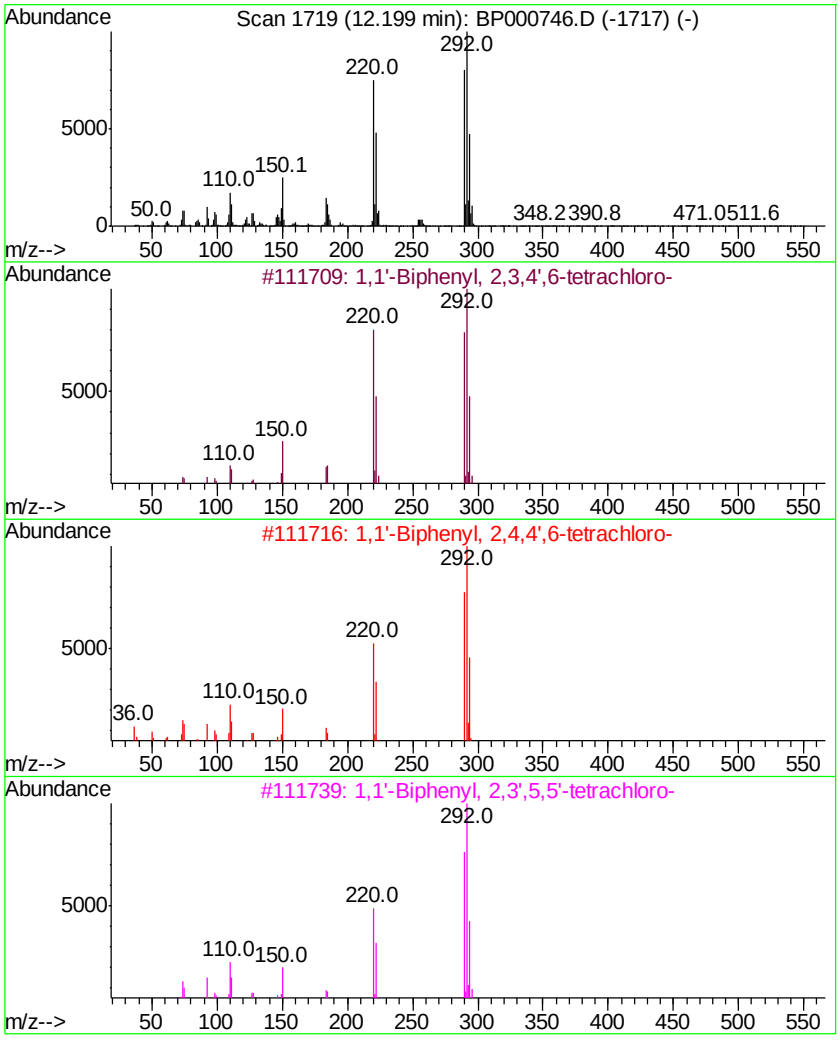
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

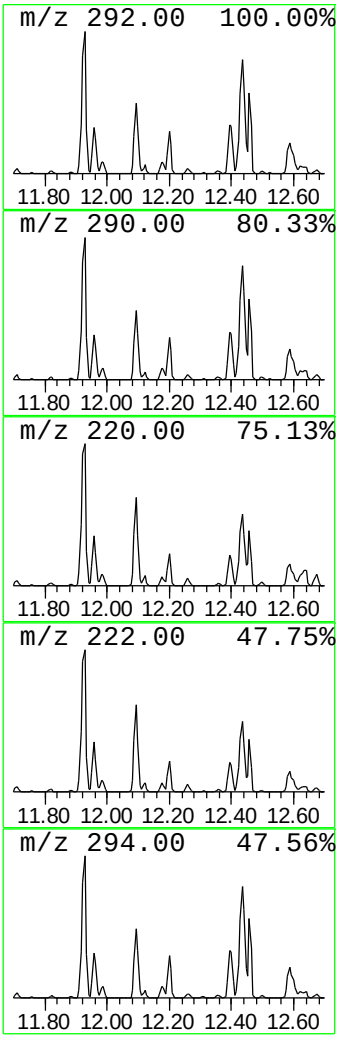
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	10.12 ng/ul	1295660	Phenanthrene-d10	11.29

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, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
5	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99





Library Search Compound Report

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Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

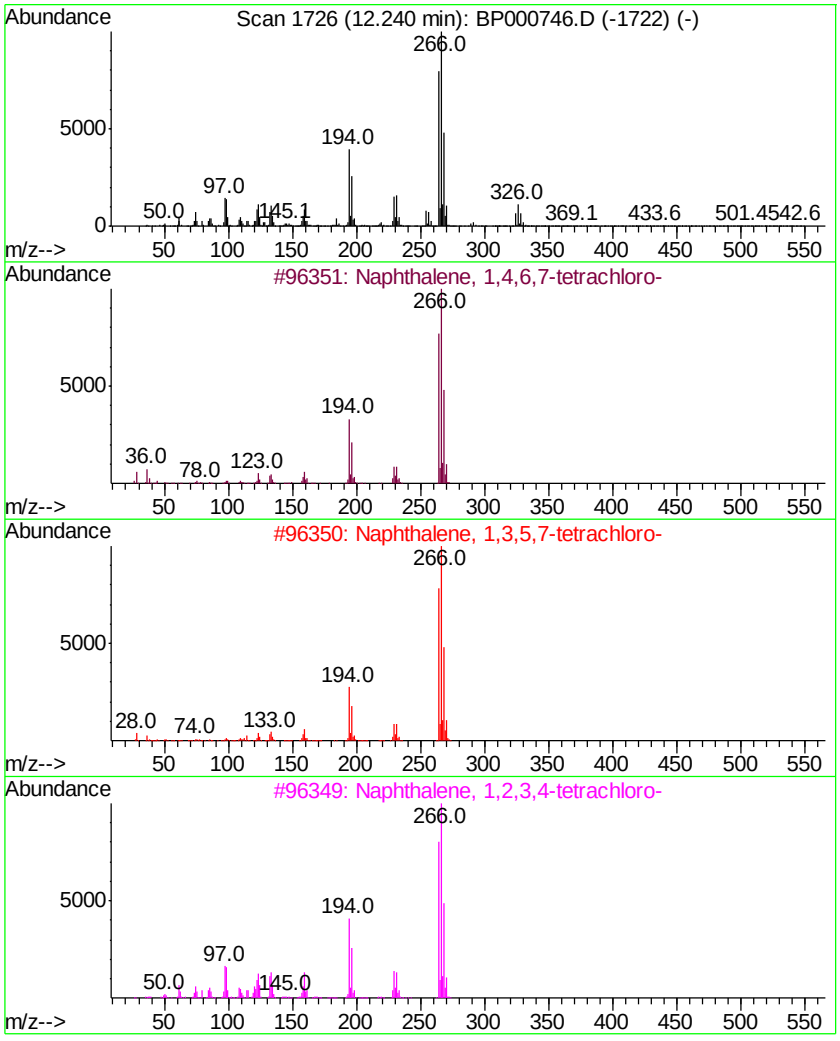
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

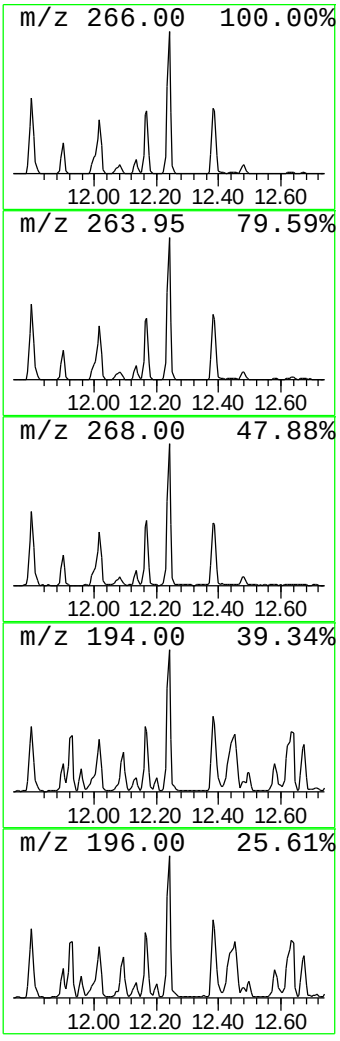
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 1,4,6,7-tetrac... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	5.31 ng/ul	679120	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6,7-tetrachloro-	264	C10H4Cl4	055720-43-9	99
2	Naphthalene, 1,3,5,7-tetrachloro-	264	C10H4Cl4	053555-64-9	99
3	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	99
4	Naphthalene, 1,2,3,4-tetrachloro-	264	C10H4Cl4	020020-02-4	98
5	Tetrachloroterephthalonitrile	264	C8Cl4N2	001897-41-2	93





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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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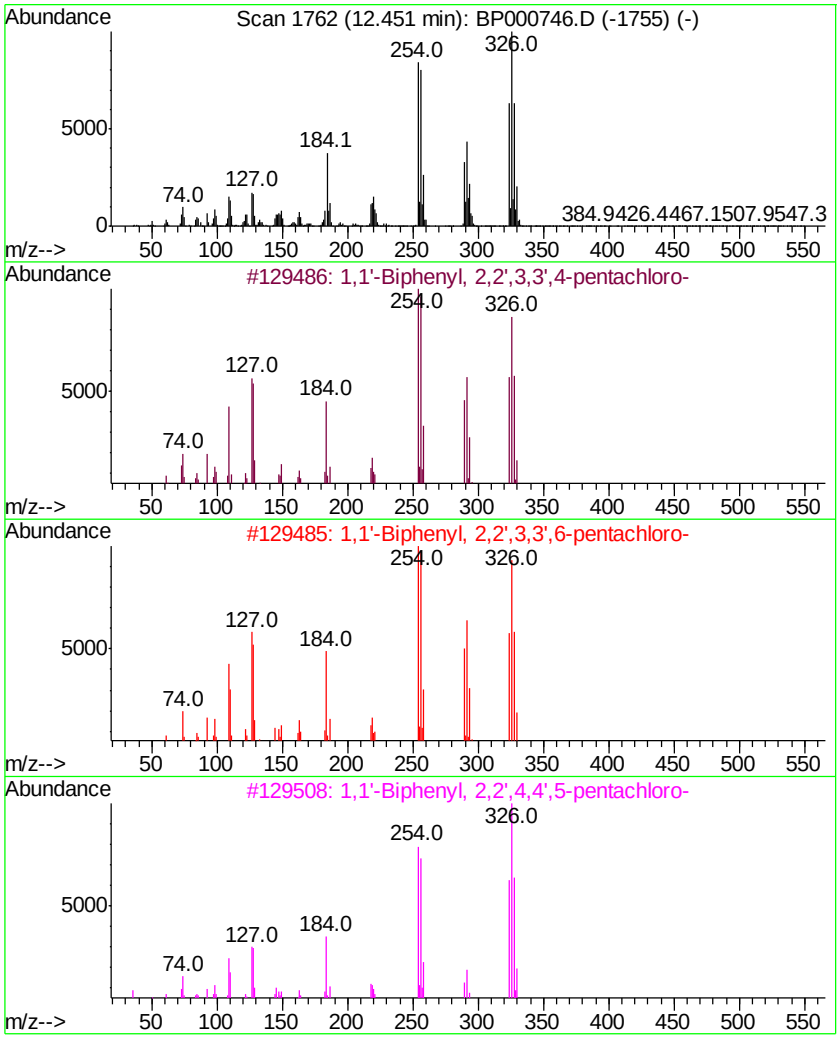
Quant Title : SVOA CALIBRATION

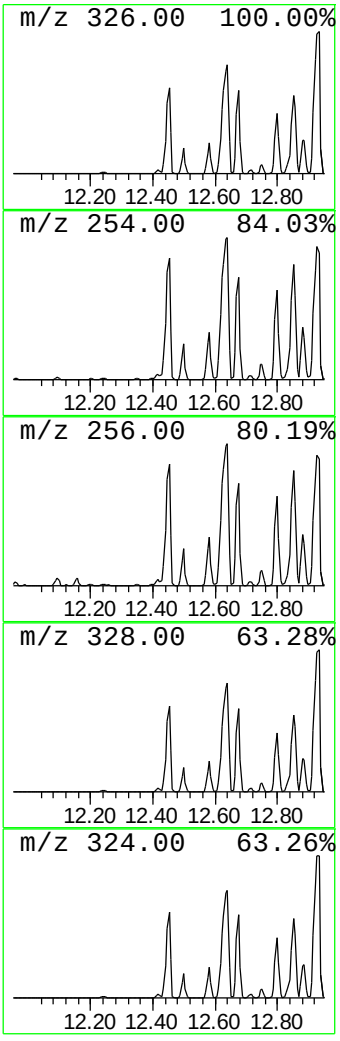
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	112.45 ng/ul	14391700	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
2	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	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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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

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Quant Title : SVOA CALIBRATION

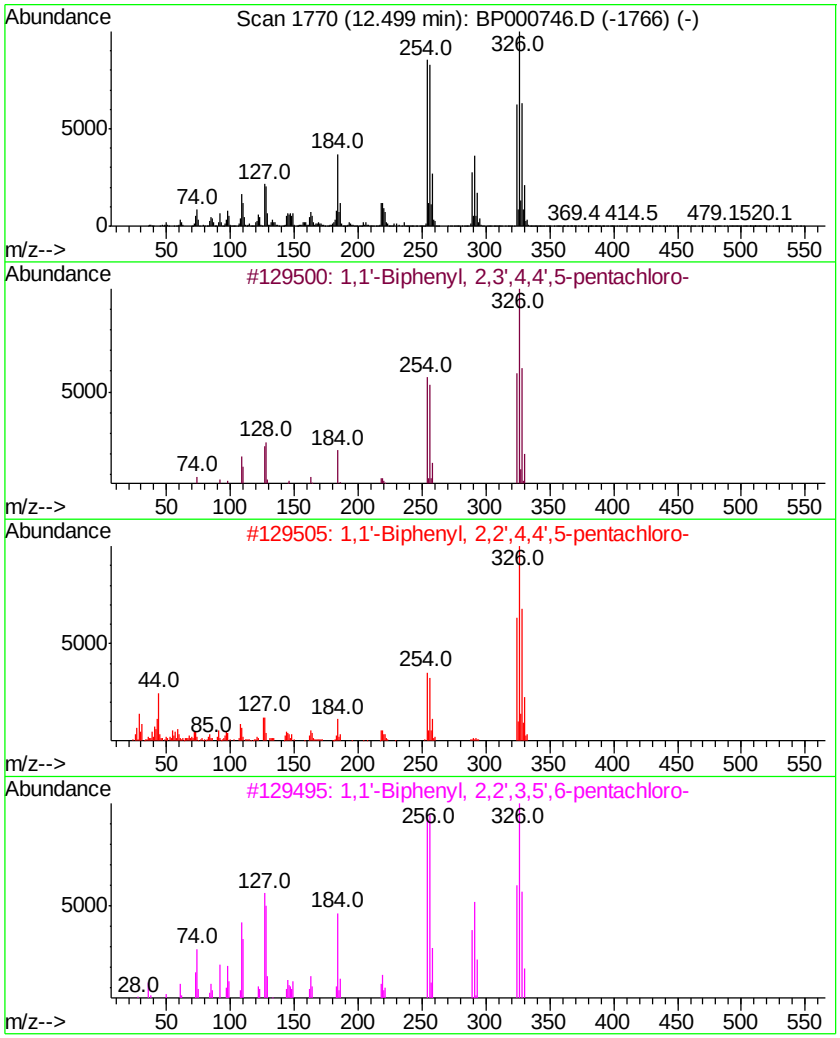
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

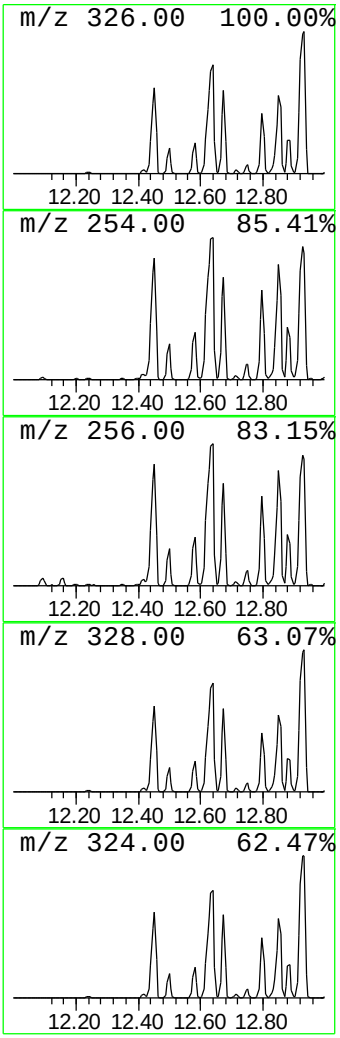
****

Peak Number 18 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	14.58 ng/ul	1865570	Phenanthrene-d10	11.29

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, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99





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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

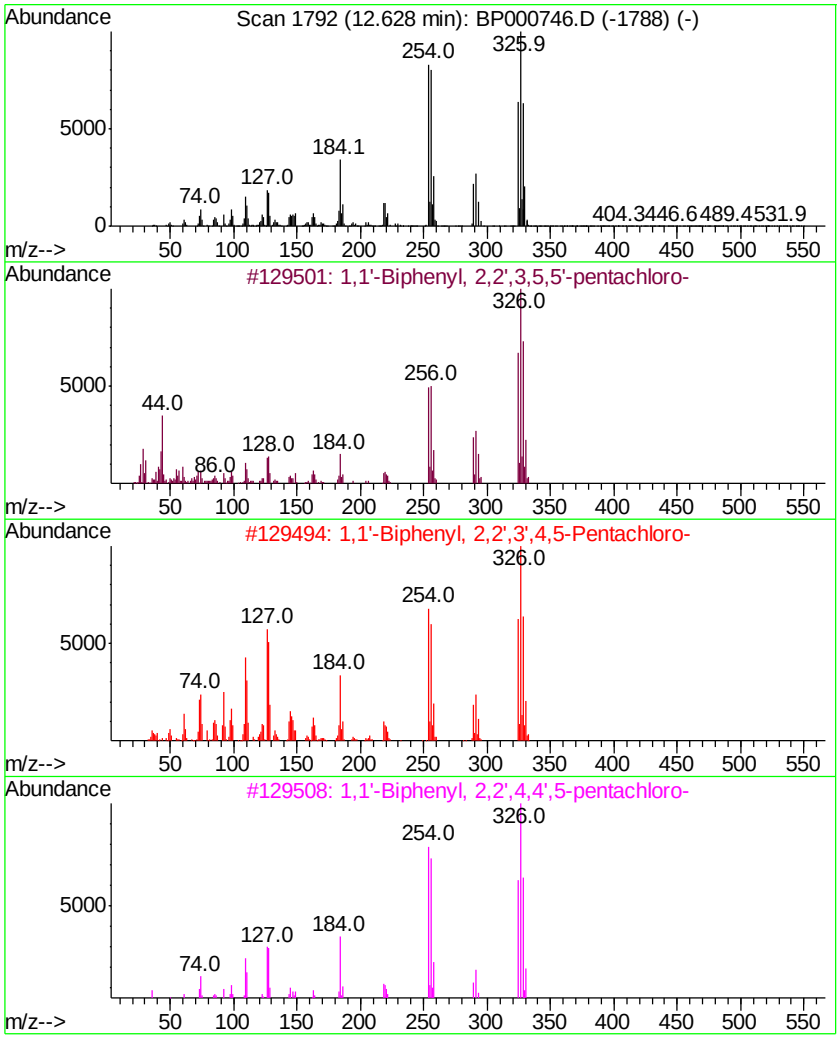
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

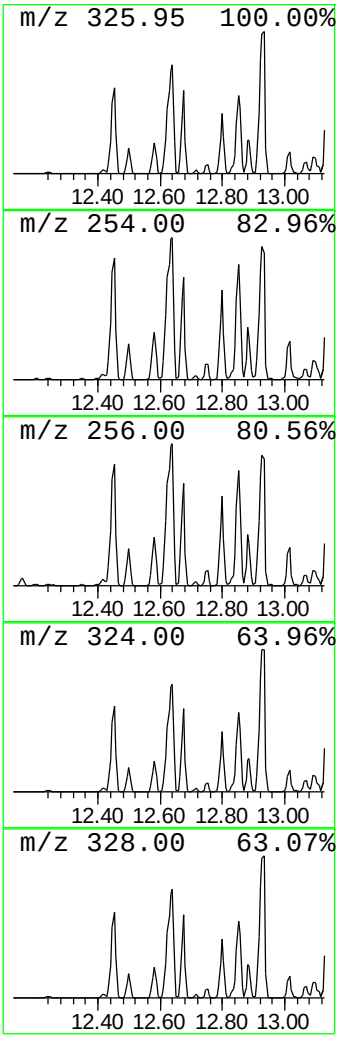
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	109.31 ng/ul	13842700	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	97
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95
5	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	95





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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

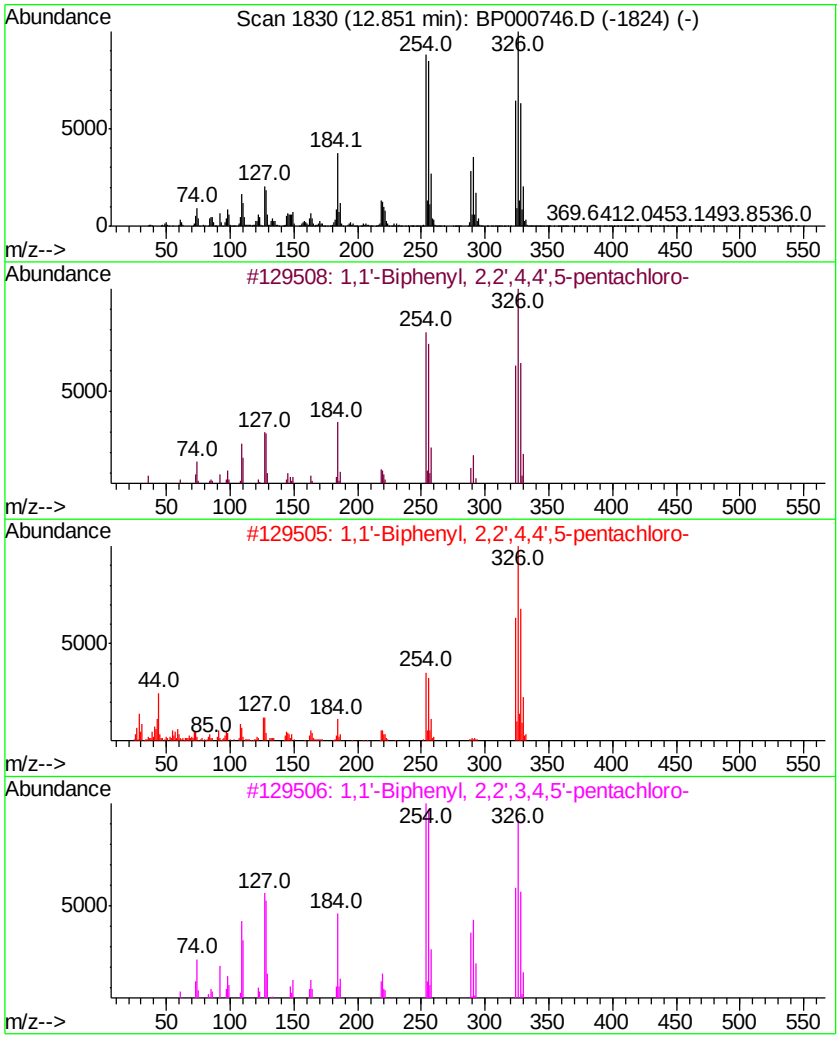
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

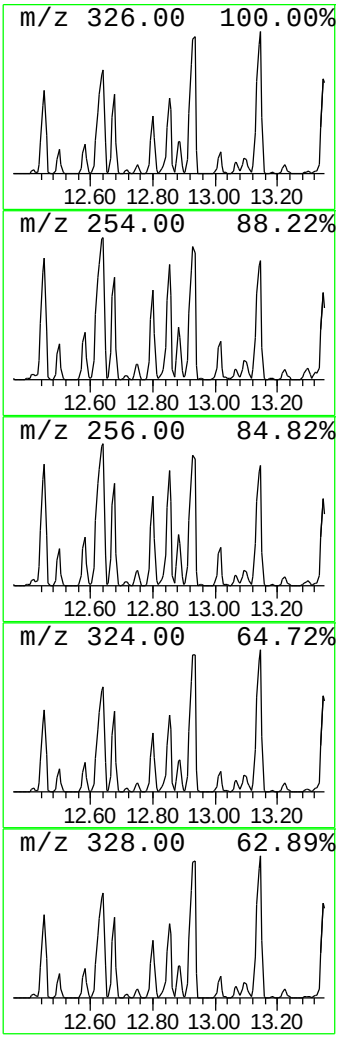
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	60.95 ng/ul	7717860	Chrysene-d12	13.97

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',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99





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Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

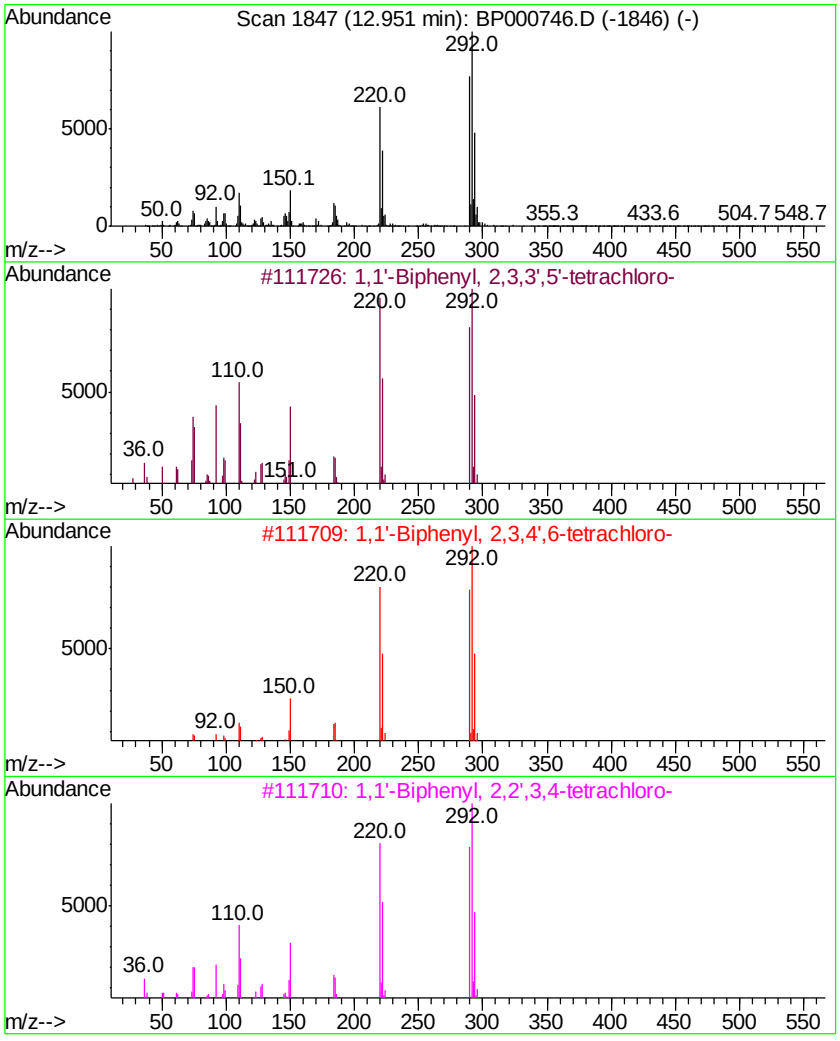
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

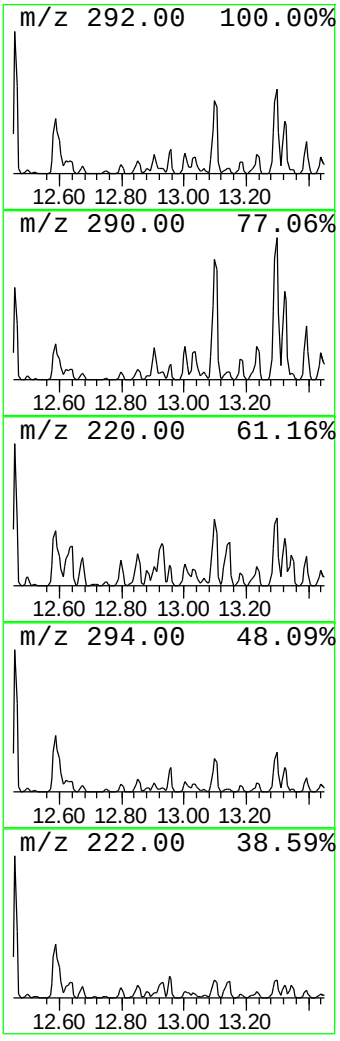
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	3.20 ng/ul	404827	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

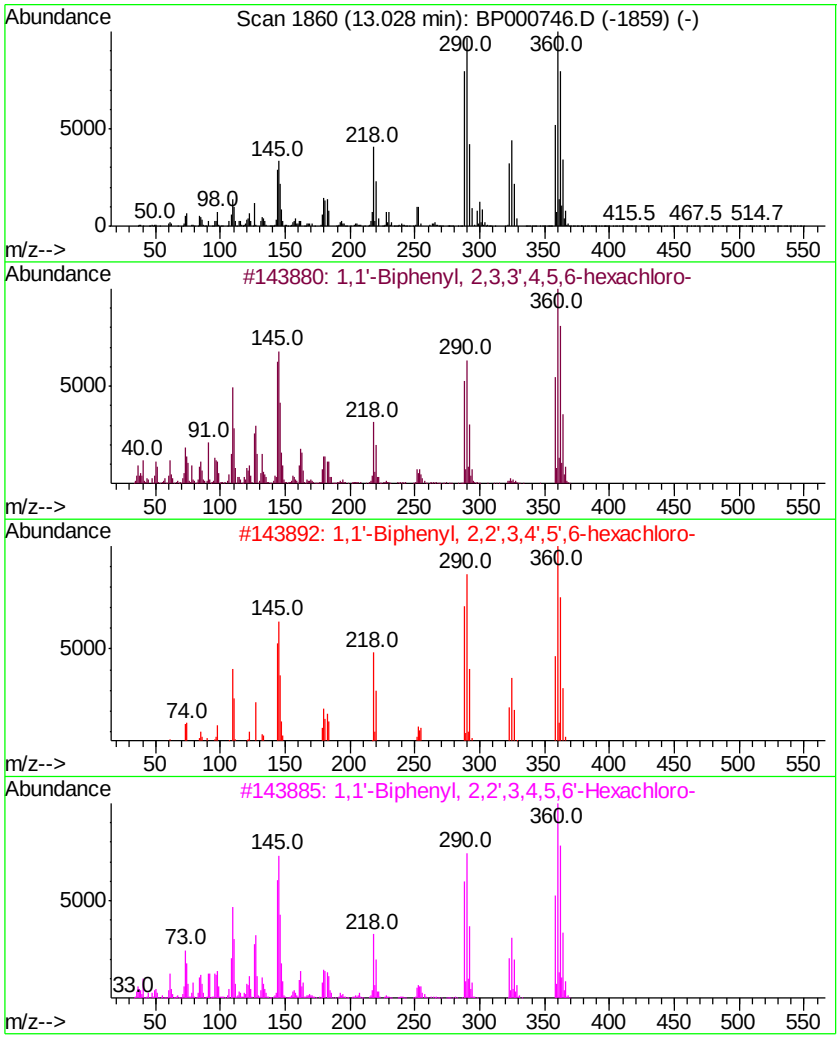
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

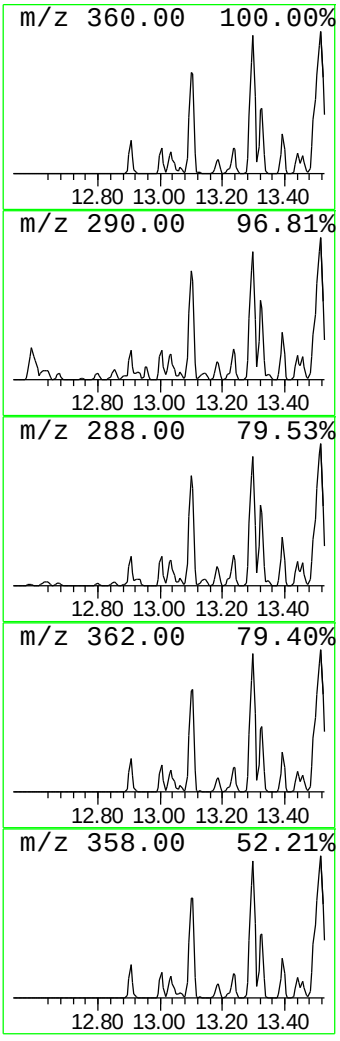
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	13.67 ng/ul	1730770	Chrysene-d12	13.97

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, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4	1,1'-Biphenyl, 2,2',3,3',6,6'-he...	358	C12H4Cl6	038411-22-2	99
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.M
Quant Title : SVOA CALIBRATION

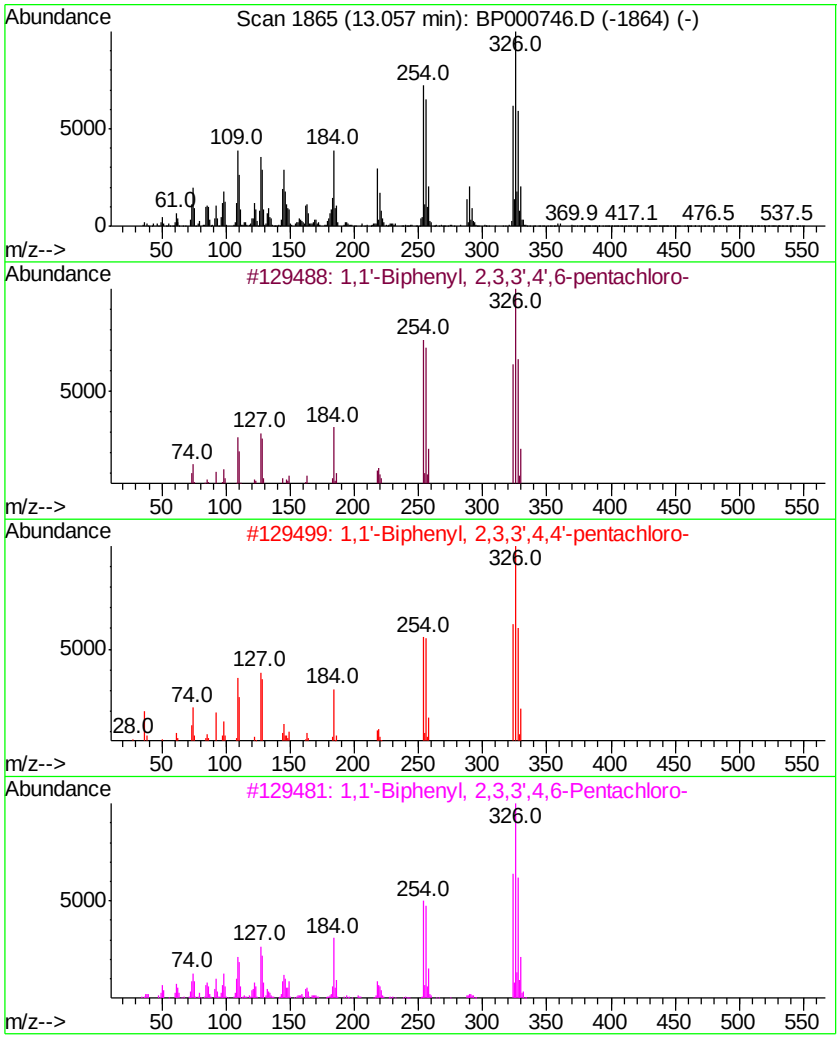
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

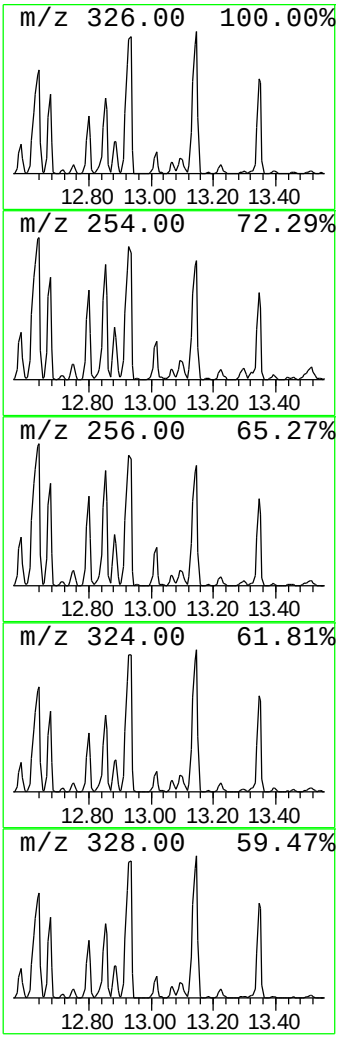
****

Peak Number 30 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	7.85 ng/ul	993717	Chrysene-d12	13.97

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, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP101519\
Data File : BP000746.D
Acq On : 15 Oct 2019 06:33
Operator : JU
Sample : K5343-05
Misc : GCMS CONFIRMATION
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AY5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP100919MA.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...	2.19	3.3	ng/ul	227234	1	6.75	1386850	20.0
(DEL) Alkane: Str...	2.33	4.6	ng/ul	321168	1	6.75	1386850	20.0
Naphthalene, 2,3,...	11.05	2.3	ng/ul	298103	4	11.29	2559690	20.0
Naphthalene, 1,3,...	11.40	3.9	ng/ul	500369	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	11.65	7.5	ng/ul	955435	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	11.71	2.6	ng/ul	329407	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	11.79	4.5	ng/ul	576096	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	11.93	53.4	ng/ul	6839970	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	12.09	28.9	ng/ul	3700300	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	12.20	10.1	ng/ul	1295660	4	11.29	2559690	20.0
Naphthalene, 1,4,...	12.24	5.3	ng/ul	679120	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	12.45	112.5	ng/ul	14391700	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	12.50	14.6	ng/ul	1865570	4	11.29	2559690	20.0
1,1'-Biphenyl, 2,...	12.63	109.3	ng/ul	13842700	5	13.97	2532720	20.0
1,1'-Biphenyl, 2,...	12.85	61.0	ng/ul	7717860	5	13.97	2532720	20.0
1,1'-Biphenyl, 2,...	12.95	3.2	ng/ul	404827	5	13.97	2532720	20.0
1,1'-Biphenyl, 2,...	13.03	13.7	ng/ul	1730770	5	13.97	2532720	20.0
1,1'-Biphenyl, 2,...	13.06	7.8	ng/ul	993717	5	13.97	2532720	20.0