LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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-BP090519MA.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	2.140	5	9	17	rVB	85175	96704	2.77%	0.235%
2	2.211	17	21	29	rVB2	161904	216912	6.22%	0.528%
3	2.328	37	41	49	rBV	835565	1380874	39.62%	3.361%
4	2.399	49	53	58	rVV	238331	334032	9.58%	0.813%
5	2.446	58	61	71	rVB	30560	40865	1.17%	0.099%
6	2.593	80	86	99	rVB	428739	603072	17.30%	1.468%
7	3.134	172	178	185	rVB	30464	50566	1.45%	0.123%
8	3.664	261	268	276	rVB	13036	21161	0.61%	0.052%
9	4.011	321	327	333	rVB	29915	40298	1.16%	0.098%
10	4.505	407	411	420	rBV	373517	387693	11.12%	0.944%
11	4.805	455	462	466	rBV	111417	123687	3.55%	0.301%
12	5.064	503	506	510	rBV	31672	31733	0.91%	0.077%
13	5.105	510	513	517	rVV	237783	217136	6.23%	0.529%
14	6.181	693	696	699	rBV	37374	28255	0.81%	0.069%
15	6.528	752	755	759	rBV	40370	33940	0.97%	0.083%
16	6.887	813	816	820	rBV	2105435	1858621	53.32%	4.524%
17	8.175	1031	1035	1038	rBV	3173137	2508033	71.95%	6.105%
18	8.775	1134	1137	1140	rBV	32732	23297	0.67%	0.057%
19	9.346	1230	1234	1240	rBV2	45324	45589	1.31%	0.111%
20	9.499	1257	1260	1263	rBV	21404	19814	0.57%	0.048%
21	9.669	1284	1289	1291	rBV2	17542	18736	0.54%	0.046%
22	9.881	1322	1325	1328	rVB	46050	34124	0.98%	0.083%
23	9.940	1332	1335	1339	rVB	3440031	3071148	88.11%	7.476%
24	10.387	1408	1411	1413	rVB	36070	26624	0.76%	0.065%
25	10.863	1490	1492	1494	rBV	19156	18820	0.54%	0.046%
26	11.057	1521	1525	1528	rBV2	18369	19976	0.57%	0.049%
27	11.246	1554	1557	1563	rBV2	26271	28995	0.83%	0.071%
28	11.322	1567	1570	1572	rVV	23533	18361	0.53%	0.045%
29	11.446	1587	1591	1594	rBV	4296090	3483184	99.93%	8.479%
30	11.469	1594	1595	1598	rVB	118248	65104	1.87%	0.158%
31	11.552	1606	1609	1614	rVB2	30577	27791	0.80%	0.068%
32	11.763	1641	1645	1647	rBV4	10388	17097	0.49%	0.042%
33	11.799	1647	1651	1655	rVB	128994	154356	4.43%	0.376%
34	11.869	1660	1663	1668	rVB2	34996	38333	1.10%	0.093%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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-BP090519MA.M
Title : SVOA CALIBRATION

35	11.946	1673	1676	1679	rVV2	53505	53053	1.52%	0.129%
36	11.981	1679	1682	1687	rVB3	34566	45428	1.30%	0.111%
37	12.075	1695	1698	1702	rBV	957274	852531	24.46%	2.075%
38	12.116	1702	1705	1707	rVV	226966	203129	5.83%	0.494%
39	12.140	1707	1709	1712	rVB	69696	52364	1.50%	0.127%
40	12.246	1724	1727	1730	rBV	418030	382382	10.97%	0.931%
41	12.275	1730	1732	1736	rVV2	51359	42427	1.22%	0.103%
42	12.334	1740	1742	1744	rVV	51927	48608	1.39%	0.118%
43	12.357	1744	1746	1749	rVB	179041	136106	3.90%	0.331%
44	12.393	1750	1752	1754	rBV2	21351	19861	0.57%	0.048%
45	12.416	1754	1756	1759	rVB2	33617	28686	0.82%	0.070%
46	12.516	1771	1773	1776	rBV3	18953	19312	0.55%	0.047%
47	12.551	1776	1779	1781	rVV	204679	162585	4.66%	0.396%
48	12.604	1785	1788	1792	rVB	1333376	1381442	39.63%	3.363%
49	12.657	1793	1797	1799	rBV	190989	194310	5.57%	0.473%
50	12.681	1799	1801	1804	rVB	197918	159981	4.59%	0.389%
51	12.740	1807	1811	1815	rBV2	347726	401576	11.52%	0.978%
52	12.787	1815	1819	1823	rVV	1966714	1910688	54.82%	4.651%
53	12.828	1823	1826	1830	rVB	780048	646833	18.56%	1.575%
54	12.869	1831	1833	1835	rBV	23467	26732	0.77%	0.065%
55	12.910	1837	1840	1844	rVB	121043	107594	3.09%	0.262%
56	12.957	1844	1848	1851	rBV	561677	495360	14.21%	1.206%
57	13.004	1851	1856	1859	rBV	942220	881248	25.28%	2.145%
58	13.040	1859	1862	1864	rVV	331129	282094	8.09%	0.687%
59	13.081	1864	1869	1872	rVV	1870811	1835307	52.65%	4.468%
60	13.104	1872	1873	1876	rVB3	29159	20338	0.58%	0.050%
61	13.169	1880	1884	1886	rBV2	255605	318273	9.13%	0.775%
62	13.193	1886	1888	1891	rVV2	131377	155879	4.47%	0.379%
63	13.228	1891	1894	1895	rVV2	91278	86184	2.47%	0.210%
64	13.257	1895	1899	1902	rVV2	924317	851111	24.42%	2.072%
65	13.293	1902	1905	1908	rVV	1676754	1410789	40.47%	3.434%
66	13.322	1908	1910	1912	rVV3	26588	29190	0.84%	0.071%
67	13.346	1912	1914	1917	rVB2	104737	87968	2.52%	0.214%
68	13.381	1917	1920	1921	rBV2	107648	93423	2.68%	0.227%
69	13.398	1921	1923	1928	rVB	168536	145911	4.19%	0.355%
70	13.451	1929	1932	1935	rBV	981952	886251	25.43%	2.157%
71	13.487	1935	1938	1939	rVV	491551	486393	13.95%	1.184%

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Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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-BP090519MA.M
Title : SVOA CALIBRATION

72	13.504	1939	1941	1944	rVB	657502	536244	15.38%	1.305%
73	13.557	1947	1950	1955	rVB2	265903	260421	7.47%	0.634%
74	13.604	1955	1958	1960	rBV	101297	116818	3.35%	0.284%
75	13.622	1960	1961	1964	rVB3	102539	66572	1.91%	0.162%
76	13.675	1964	1970	1975	rBV2	1149144	1667673	47.84%	4.059%
77	13.728	1977	1979	1982	rVB3	76148	67201	1.93%	0.164%
78	13.781	1985	1988	1992	rVB	111475	112720	3.23%	0.274%
79	13.822	1993	1995	2001	rVB6	73426	77865	2.23%	0.190%
80	13.887	2003	2006	2009	rBV2	389088	359119	10.30%	0.874%
81	13.969	2017	2020	2023	rBV2	117589	113231	3.25%	0.276%
82	14.010	2025	2027	2032	rVV3	96851	143697	4.12%	0.350%
83	14.069	2035	2037	2041	rVV	173300	166456	4.78%	0.405%
84	14.140	2044	2049	2054	rVV	3533084	3485635	100.00%	8.485%
85	14.181	2054	2056	2060	rVB	241410	227361	6.52%	0.553%
86	14.363	2084	2087	2090	rVB	188099	194065	5.57%	0.472%
87	14.404	2091	2094	2098	rVB2	130898	138433	3.97%	0.337%
88	14.669	2136	2139	2146	rBV4	73939	145350	4.17%	0.354%
89	15.681	2305	2311	2316	rBV	2326317	3175636	91.11%	7.730%

Sum of corrected areas: 41080775

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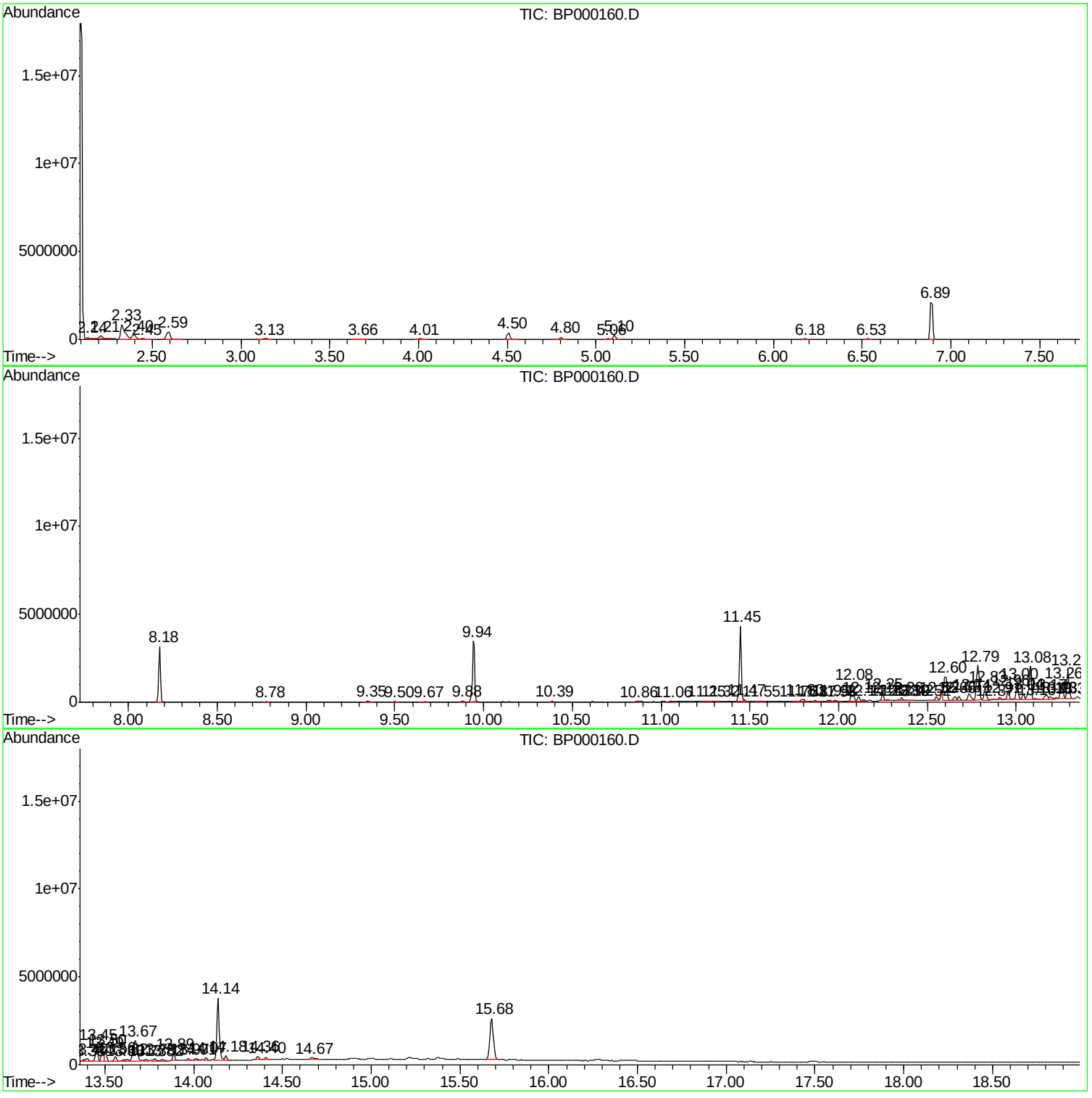
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

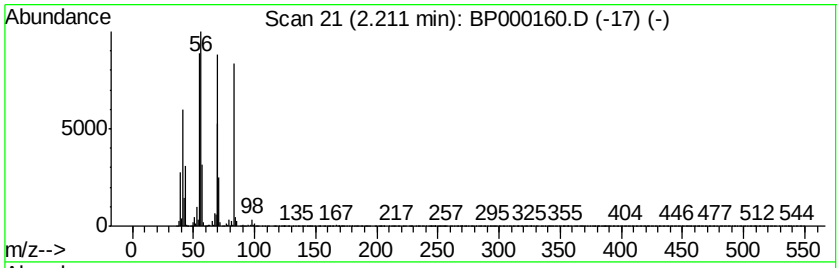
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

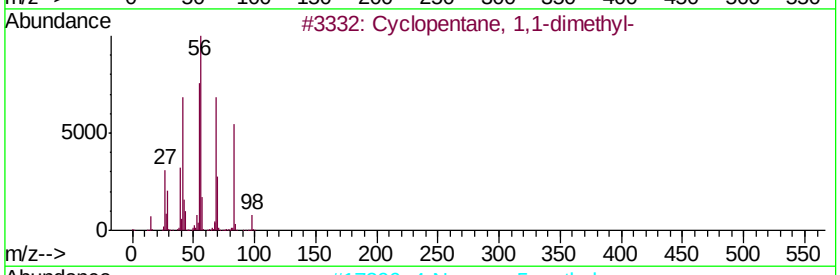
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

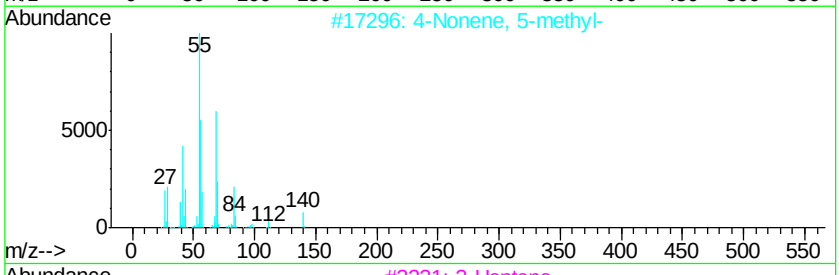
****
Peak Number 1 (DEL) Alkane: Cyclic2.21 Concentration Rank 19

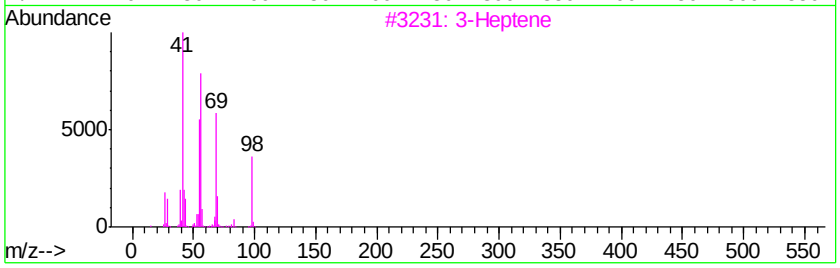
R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	2.33 ng/ul	216912	1,4-Dichlorobenzene-d4	6.89

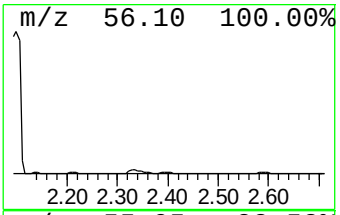
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	72
2	4-Nonene, 5-methyl-	140	C10H20	015918-07-7	53
3	3-Heptene	98	C7H14	000592-78-9	47
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	47
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43

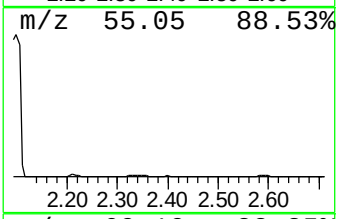


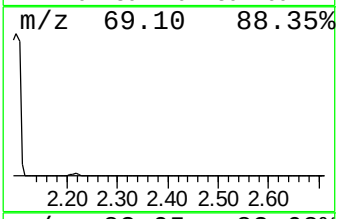


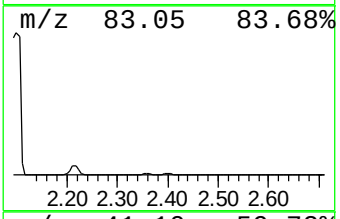


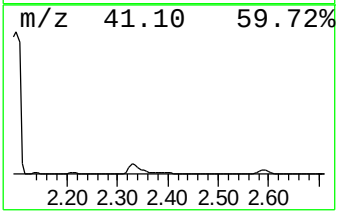












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
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Acq On : 10 Sep 2019 10:09
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Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
C0AR9

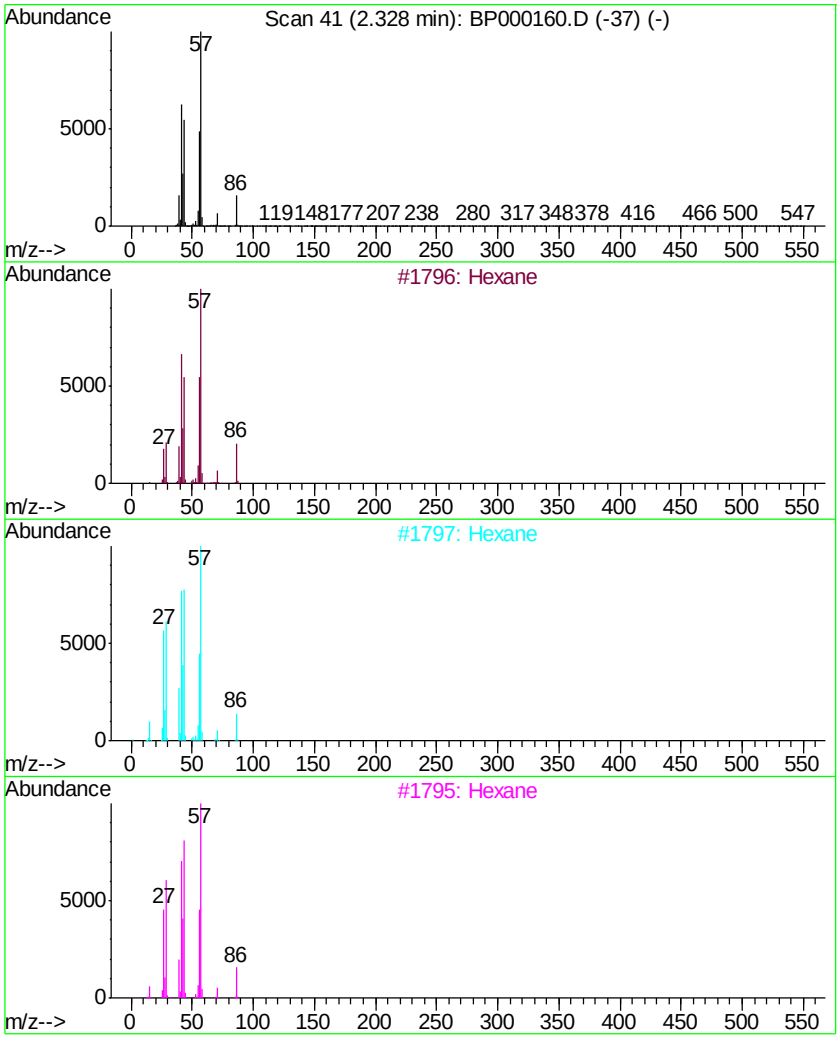
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

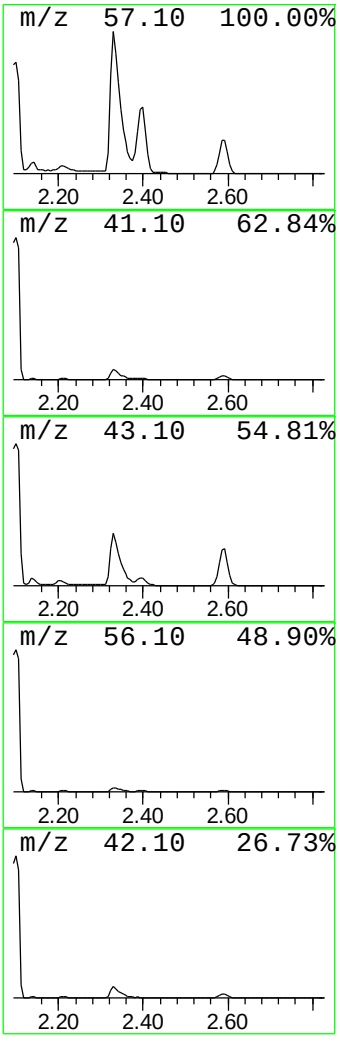
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.33	14.86 ng/ul	1380870	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	94
2	Hexane	86	C6H14	000110-54-3	83
3	Hexane	86	C6H14	000110-54-3	59
4	1-Propanol, 2,2-dimethyl-	88	C5H12O	000075-84-3	47
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40





Library Search Compound Report

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Acq On : 10 Sep 2019 10:09
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Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

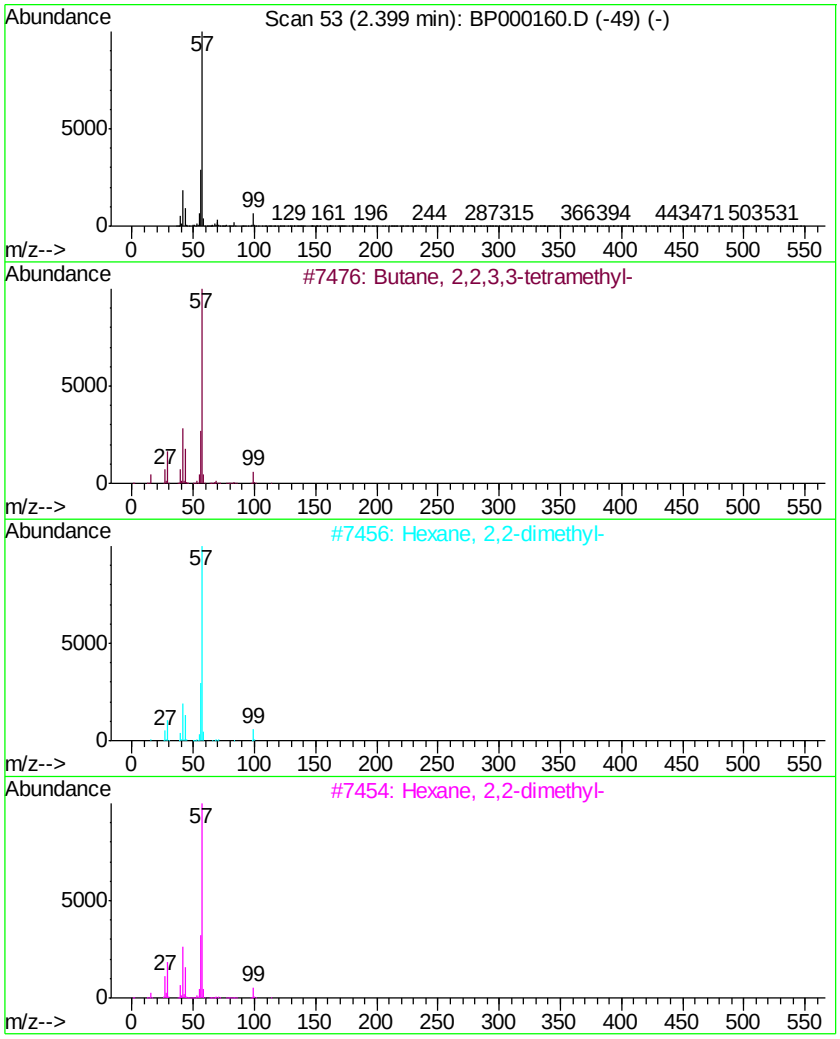
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

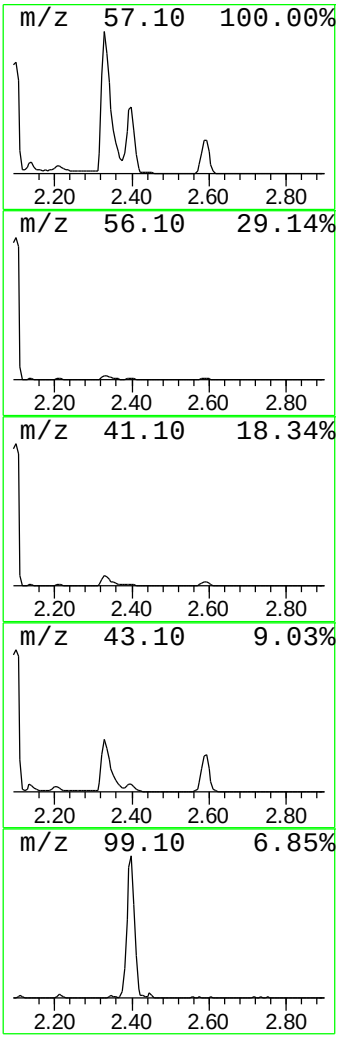
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	3.59 ng/ul	334032	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	53





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Acq On : 10 Sep 2019 10:09
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Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

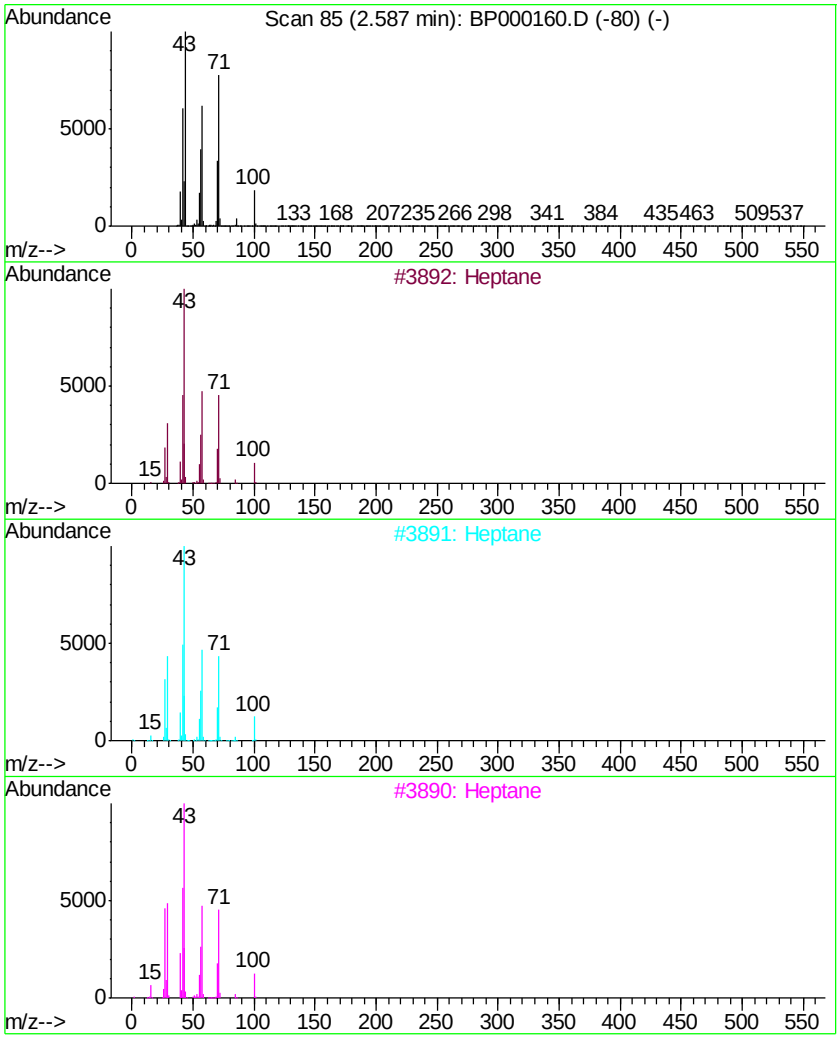
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

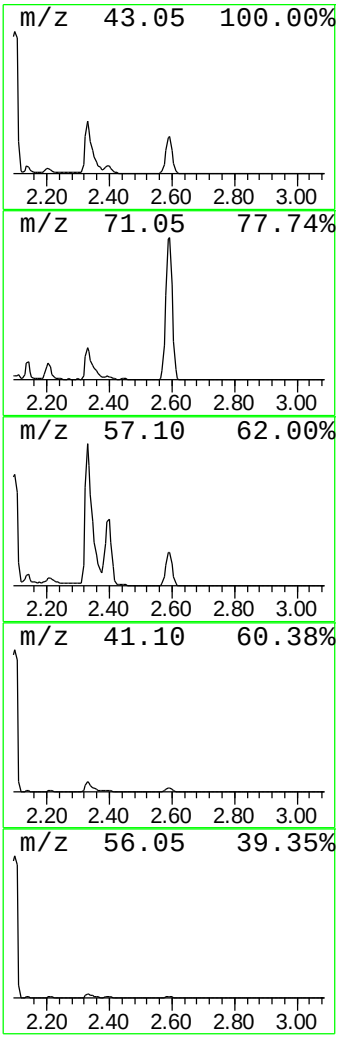
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.59	6.49 ng/ul	603072	1,4-Dichlorobenzene-d4	6.89

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	91
4	Heptane	100	C7H16	000142-82-5	90
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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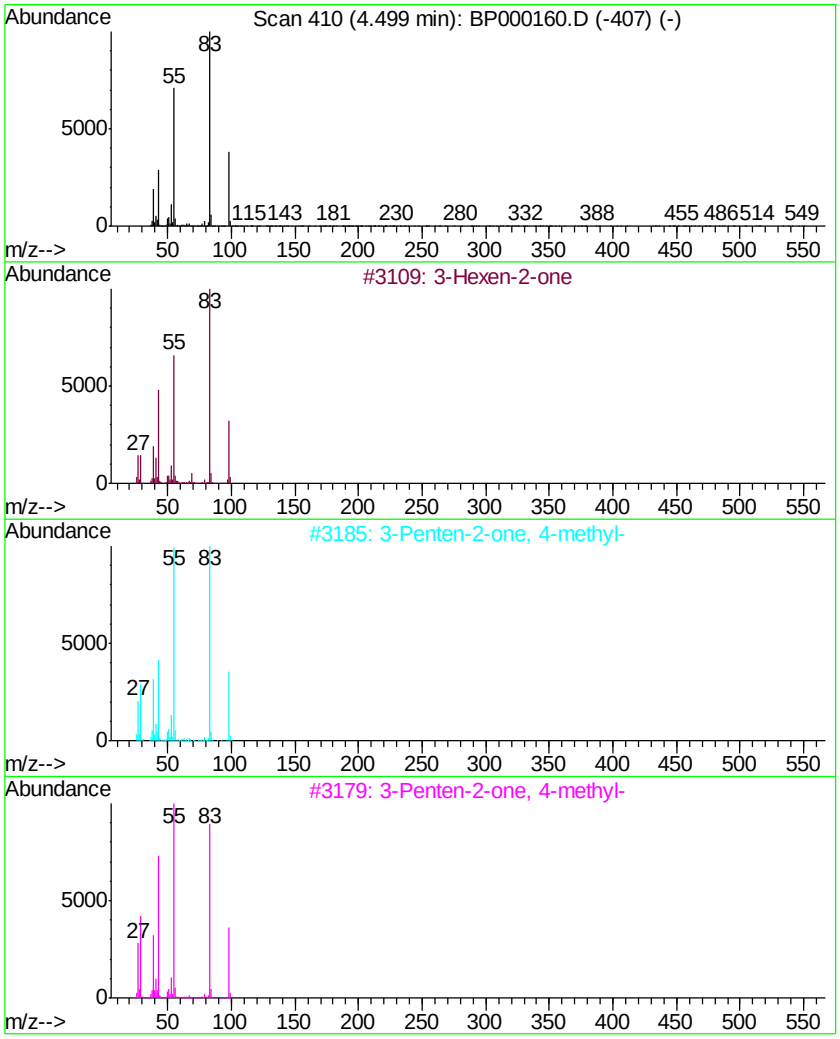
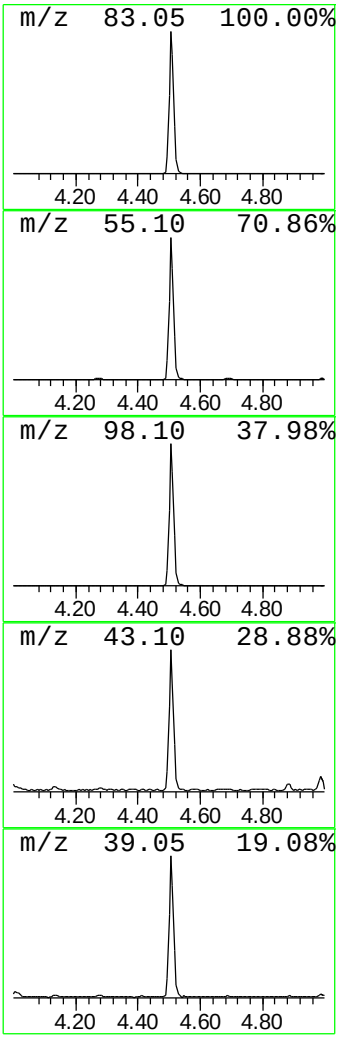
Peak Number 5 3-Hexen-2-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	4.17 ng/ul	387693	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	83





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Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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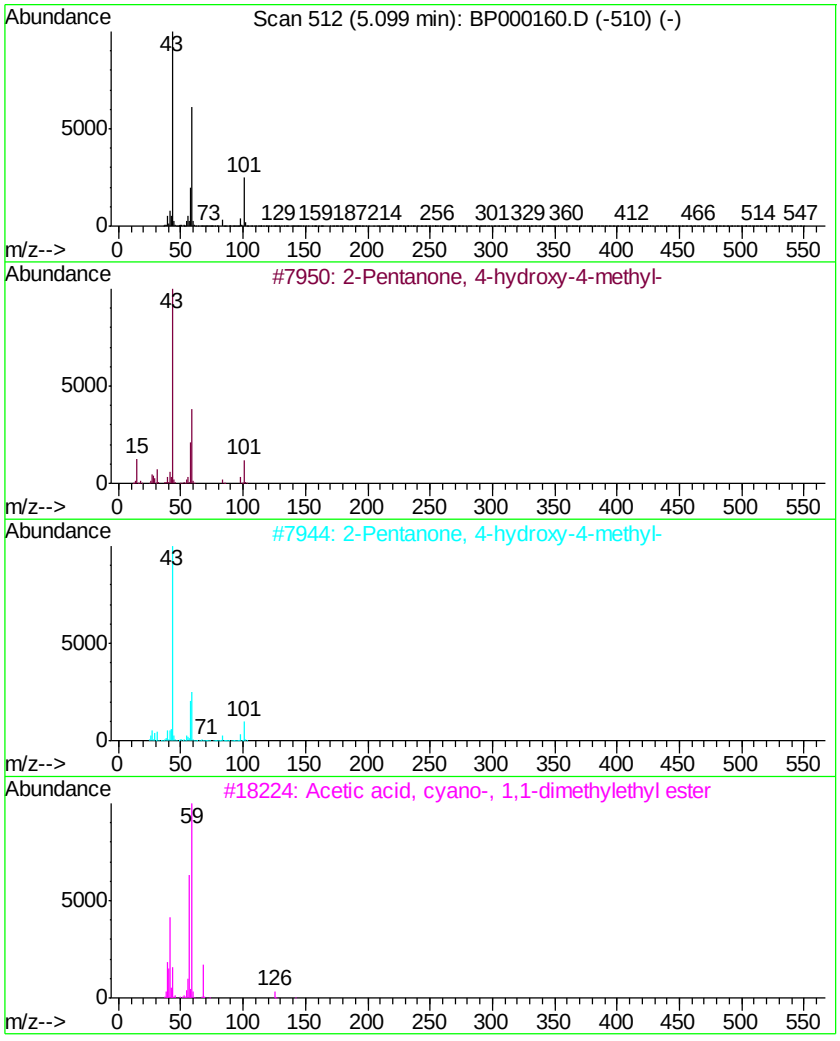
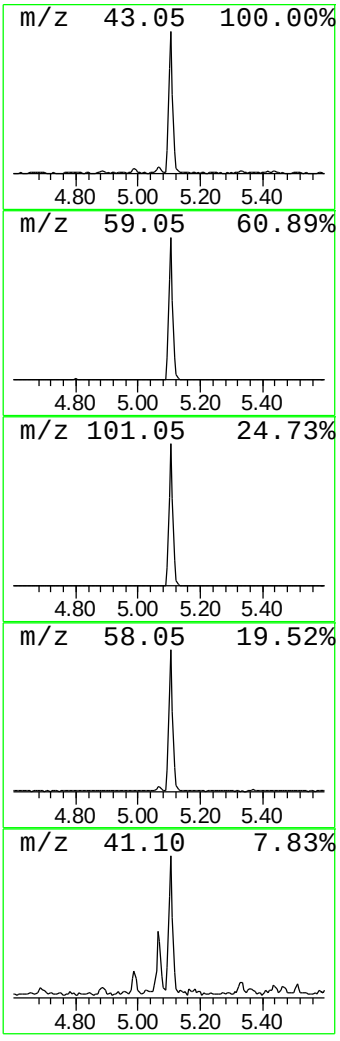
Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	2.34 ng/ul	217136	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	37
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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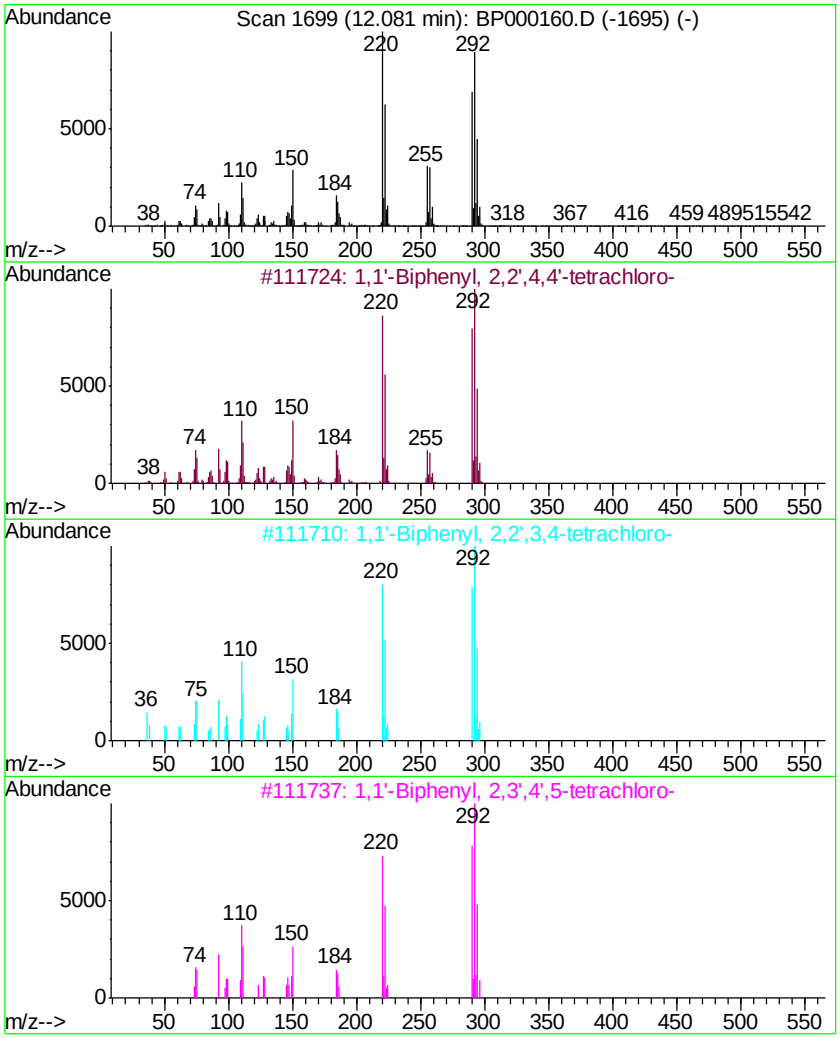
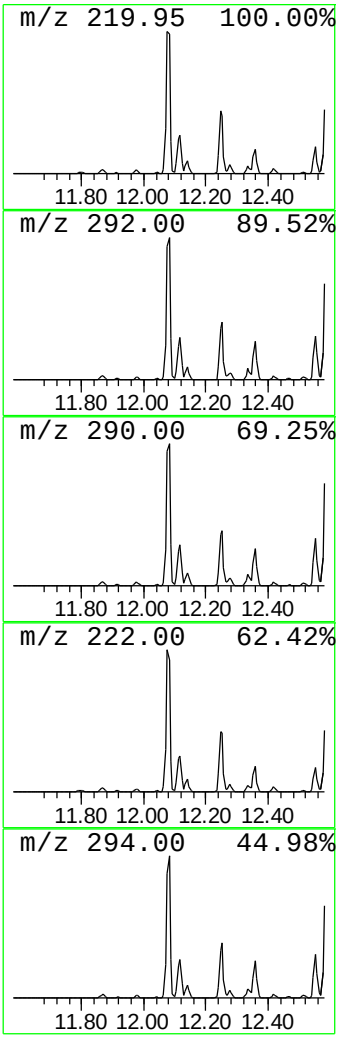
Peak Number 7 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	4.90 ng/ul	852531	Phenanthrene-d10	11.45

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',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Library Search Compound Report

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Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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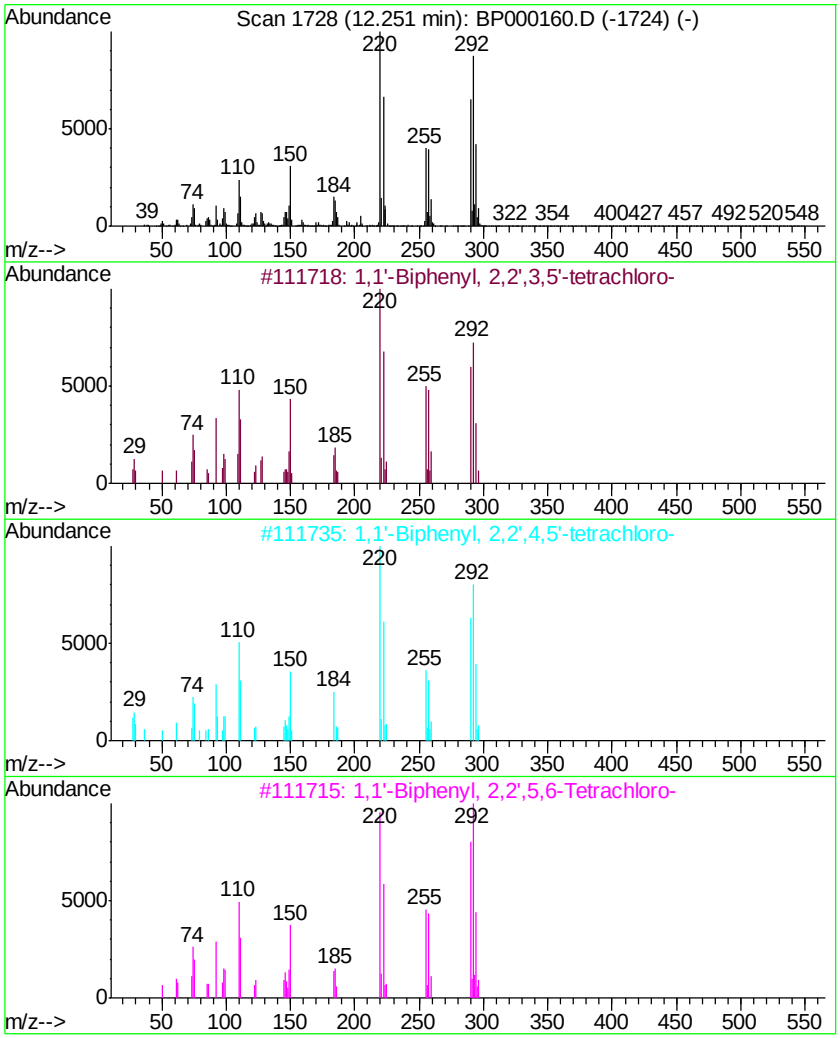
Quant Title : SVOA CALIBRATION

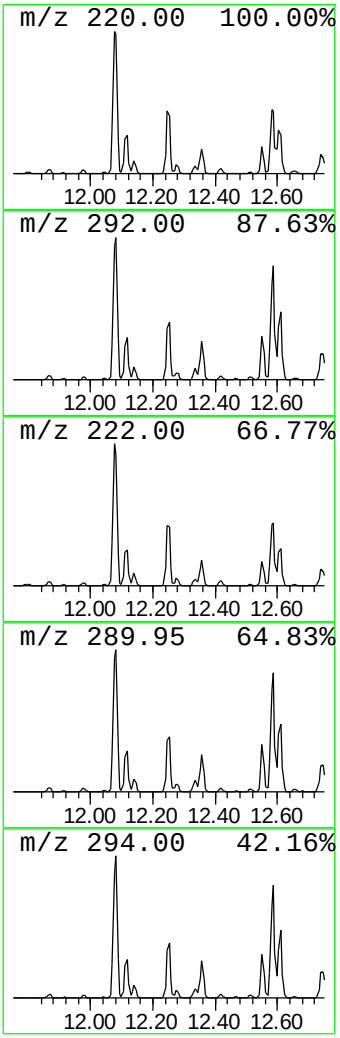
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 2,2',3,5'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.20 ng/ul	382382	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Library Search Compound Report

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Sample : K4727-01
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
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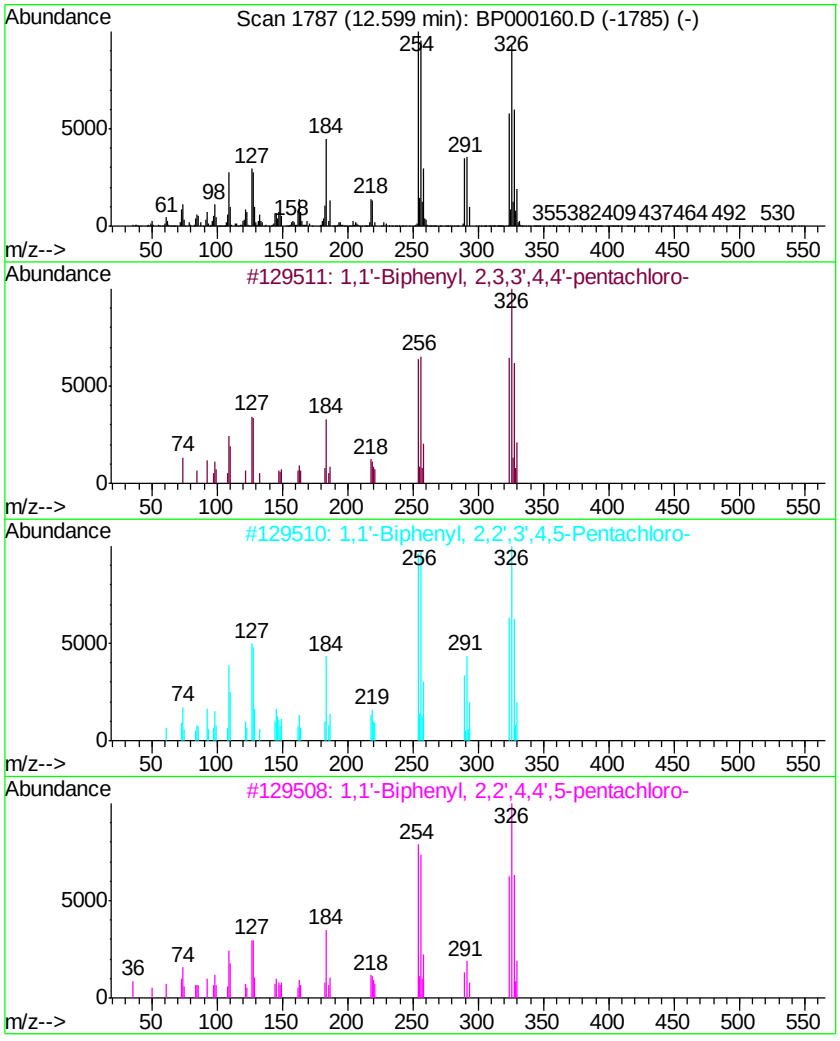
Quant Title : SVOA CALIBRATION

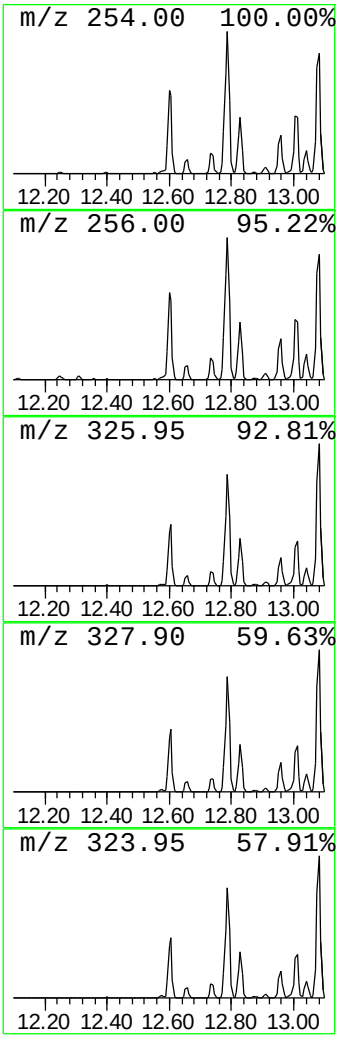
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	7.93 ng/ul	1381440	Phenanthrene-d10	11.45

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',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96





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Sample : K4727-01
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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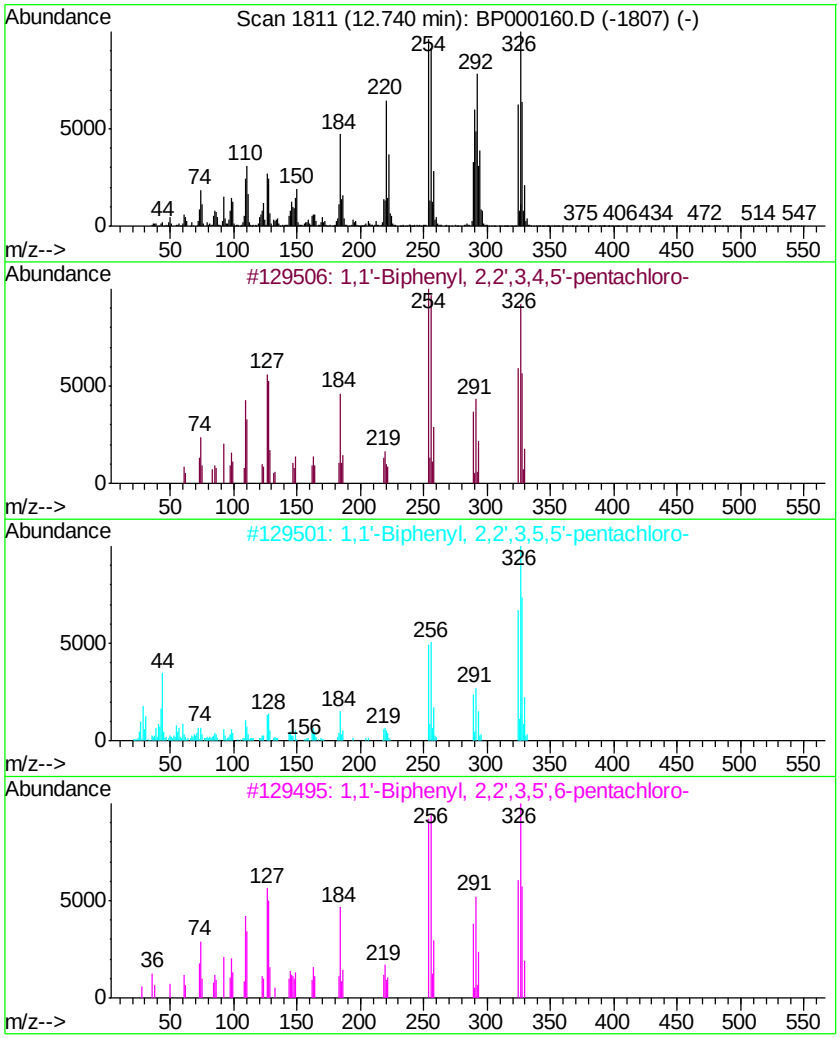
Quant Title : SVOA CALIBRATION

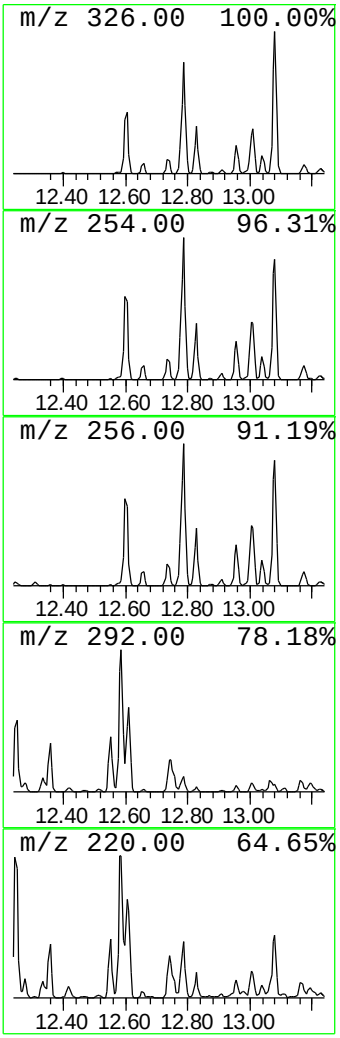
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	2.31 ng/ul	401576	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	98
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	98





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Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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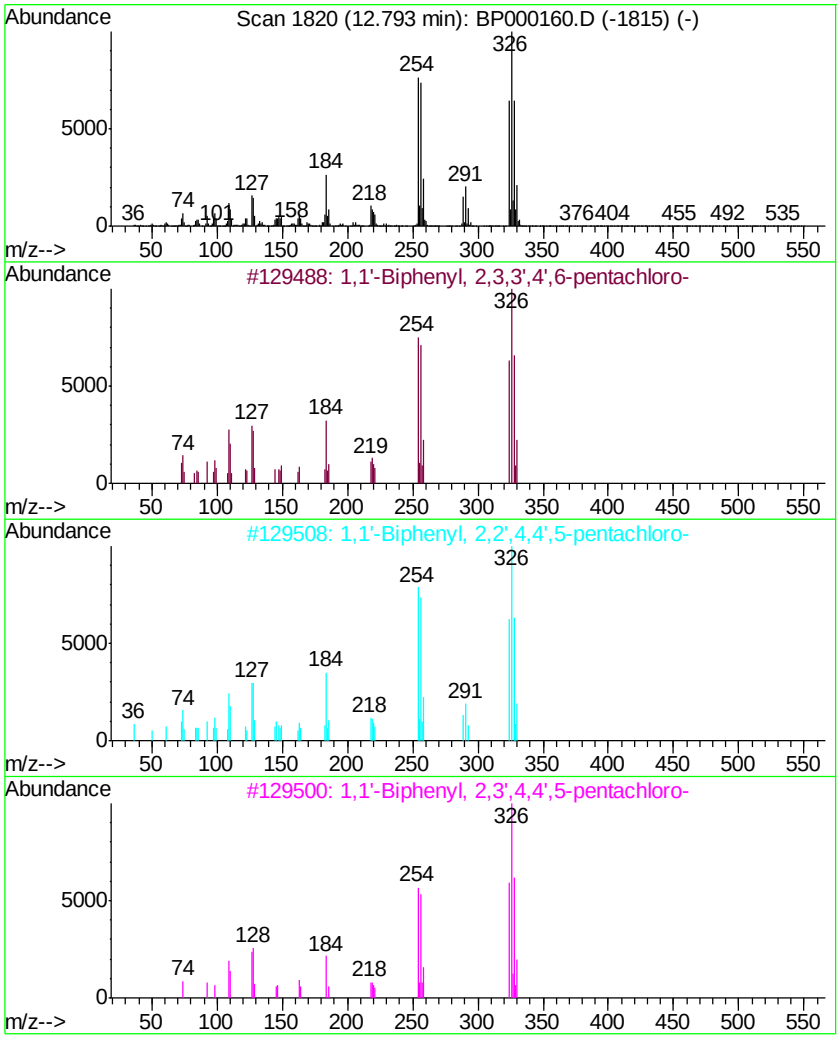
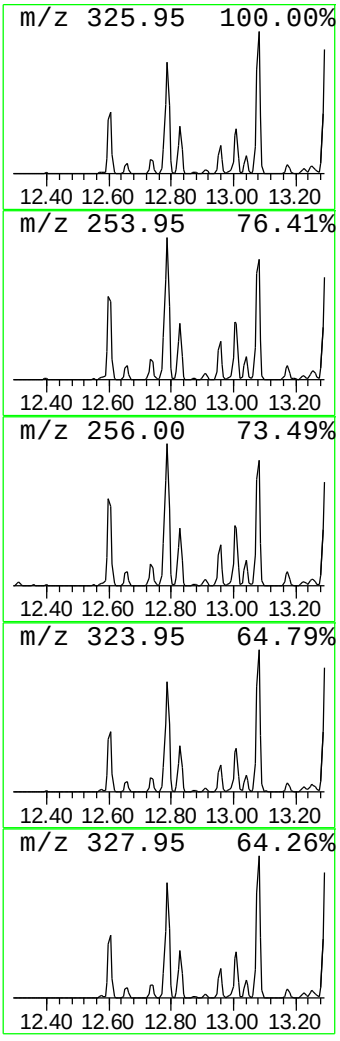
Peak Number 11 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	10.97 ng/ul	1910690	Phenanthrene-d10	11.45

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





Library Search Compound Report

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Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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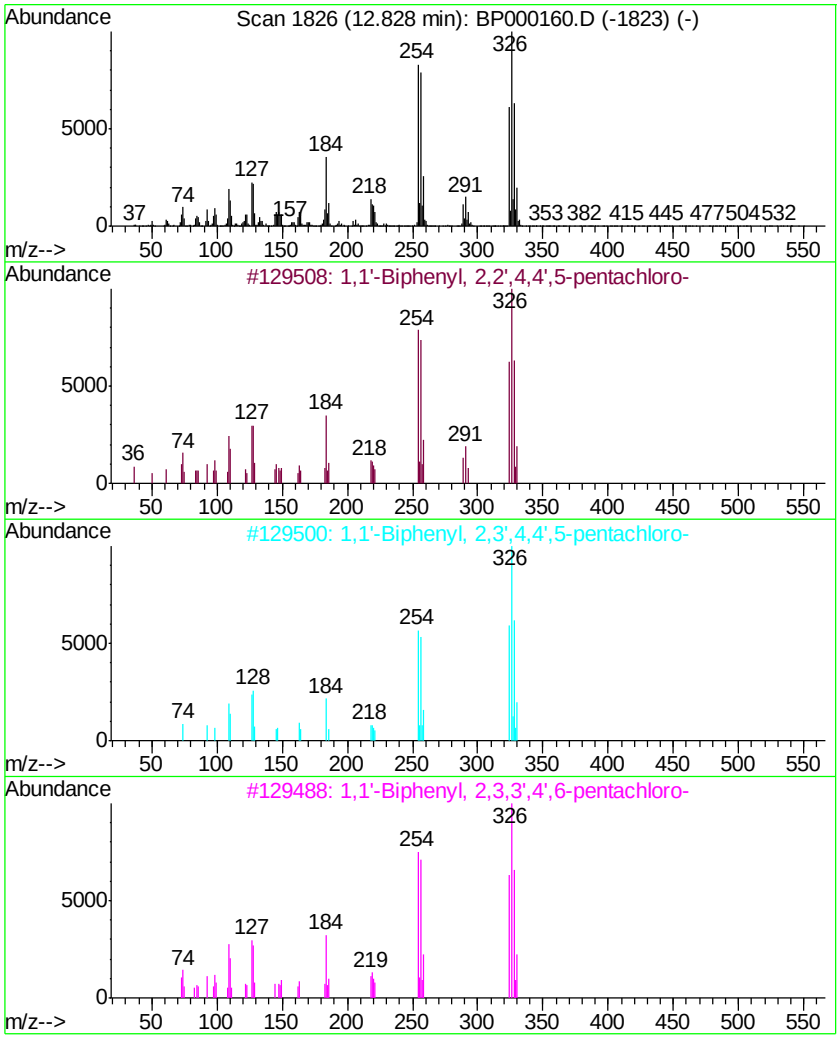
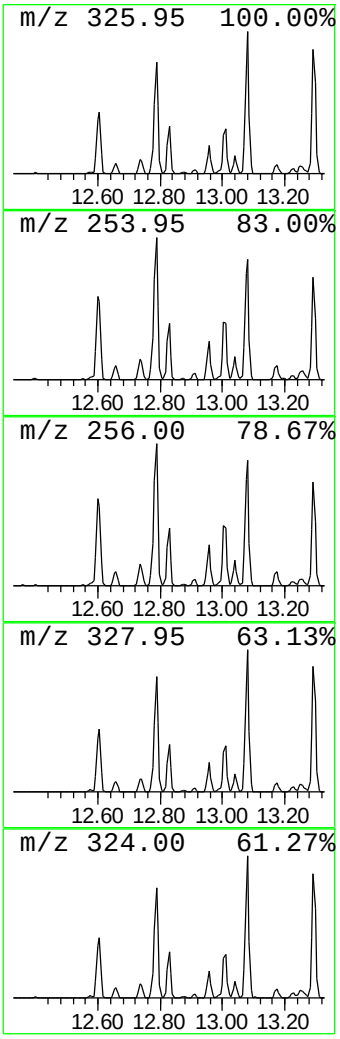
Peak Number 12 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	3.71 ng/ul	646833	Chrysene-d12	14.14

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





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Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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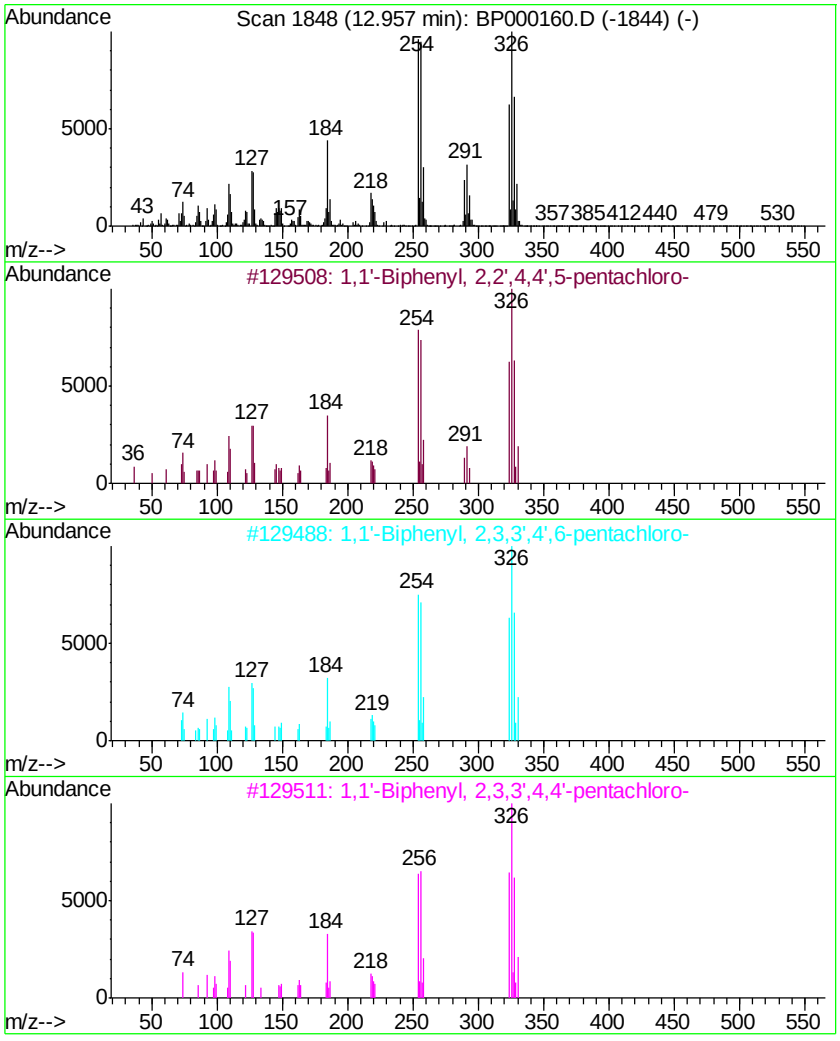
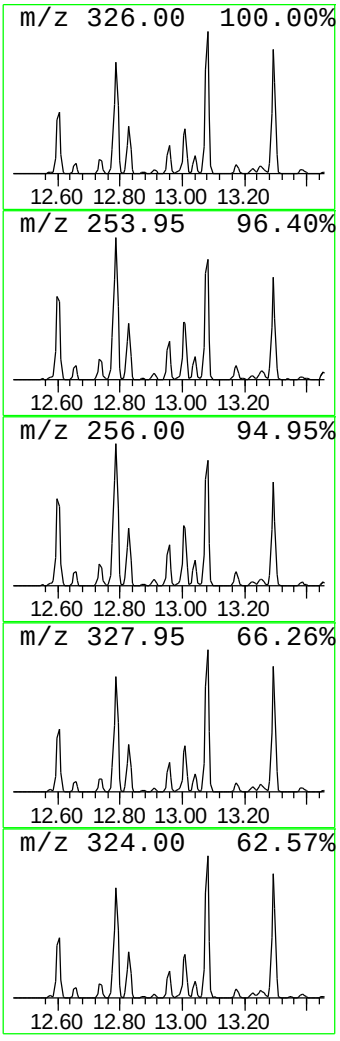
Peak Number 13 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.84 ng/ul	495360	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99





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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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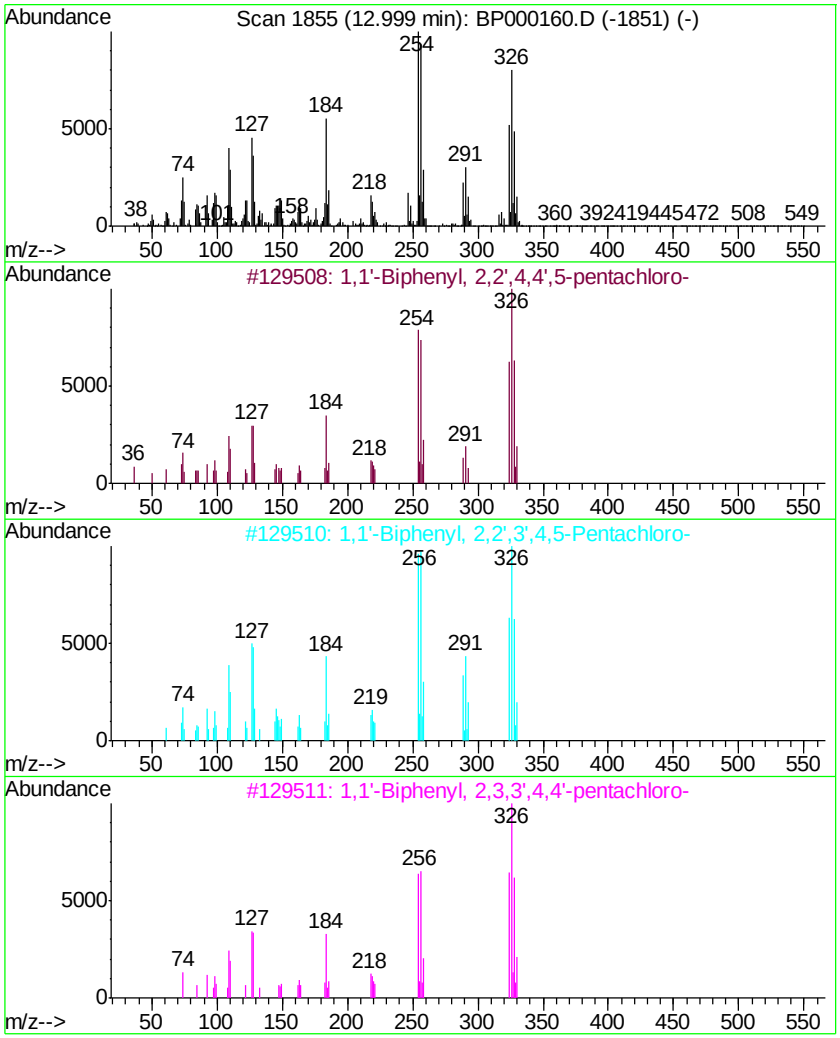
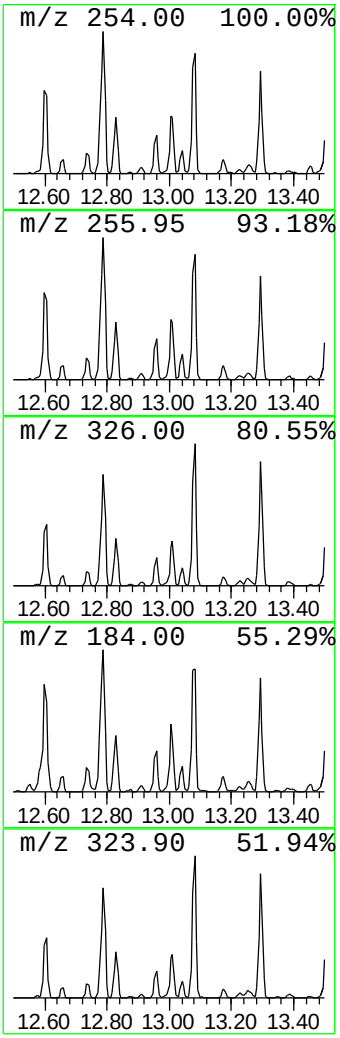
Peak Number 14 unknown-02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	5.06 ng/ul	881248	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	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	038380-02-8	99





Library Search Compound Report

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Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

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Quant Title : SVOA CALIBRATION

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

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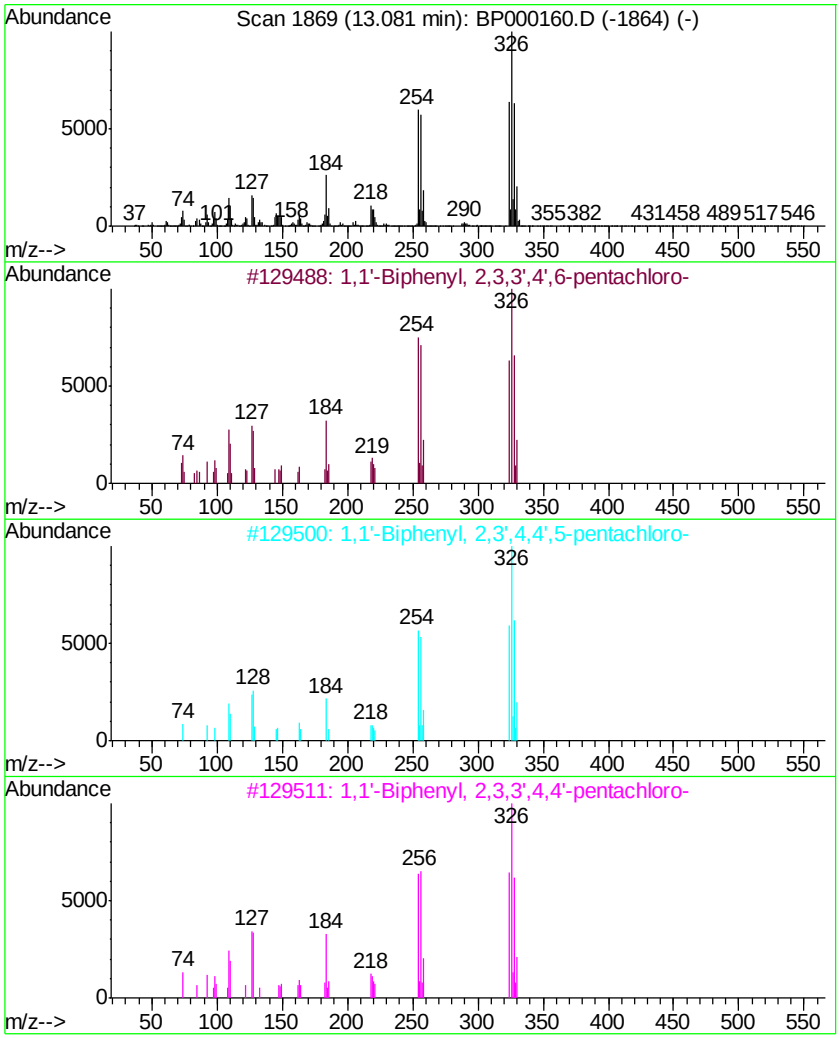
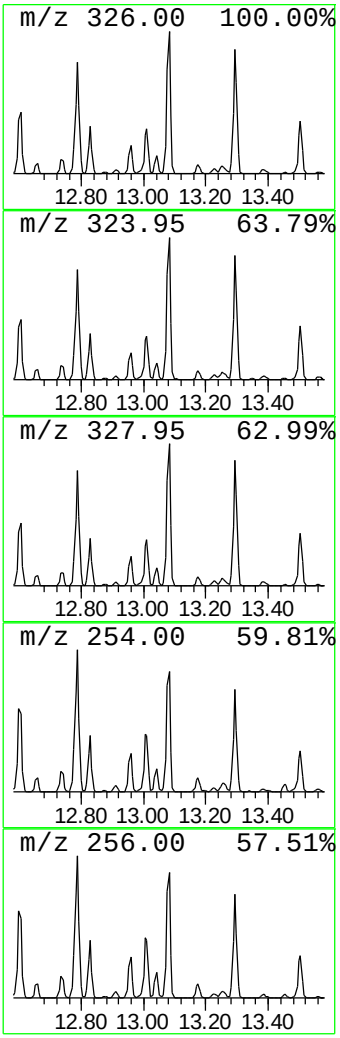
Peak Number 15 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	10.53 ng/ul	1835310	Chrysene-d12	14.14

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',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99





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Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

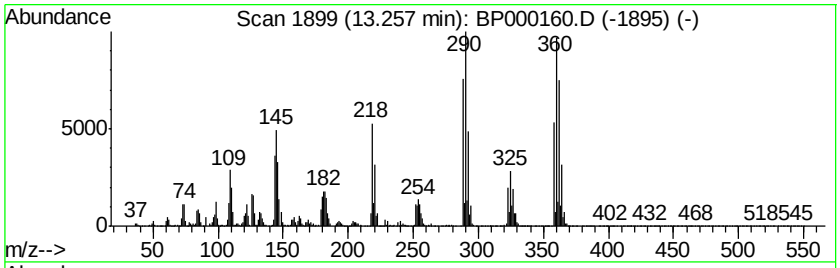
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

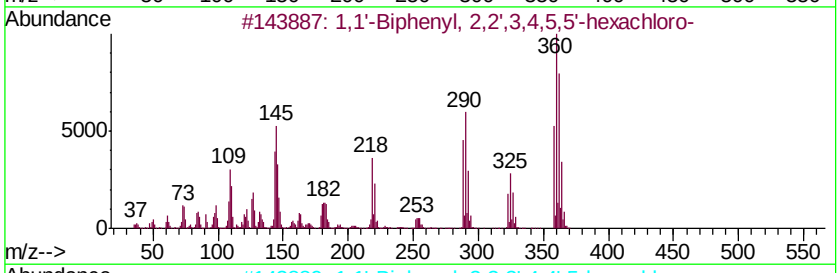
****

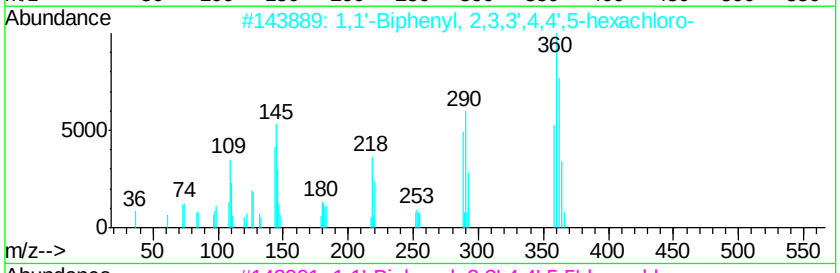
Peak Number 16 unknown-04 Concentration Rank 11

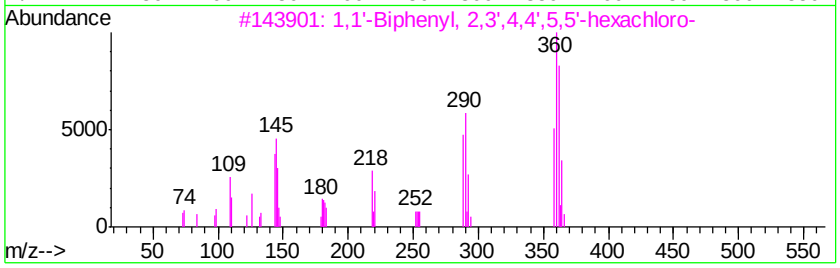
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	4.88 ng/ul	851111	Chrysene-d12	14.14

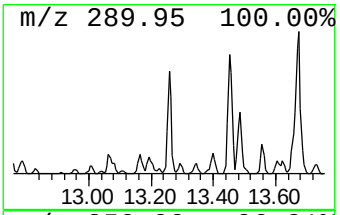
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99

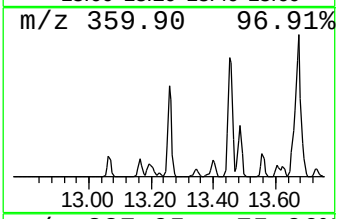


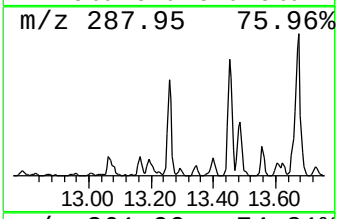


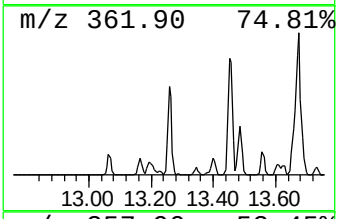


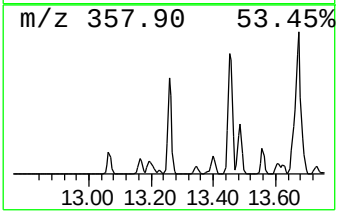












Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

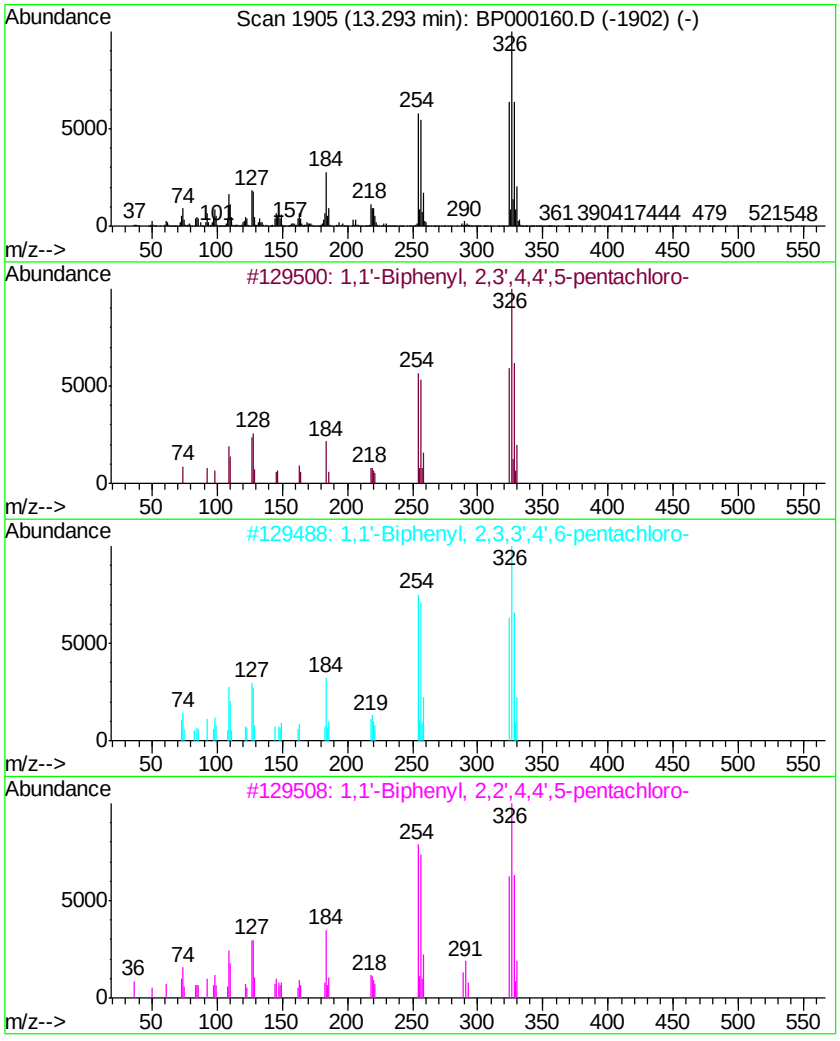
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

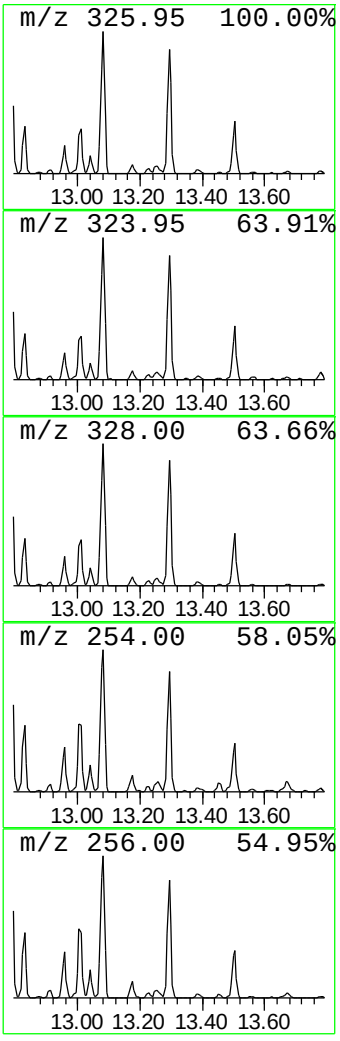
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	8.09 ng/ul	1410790	Chrysene-d12	14.14

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, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

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

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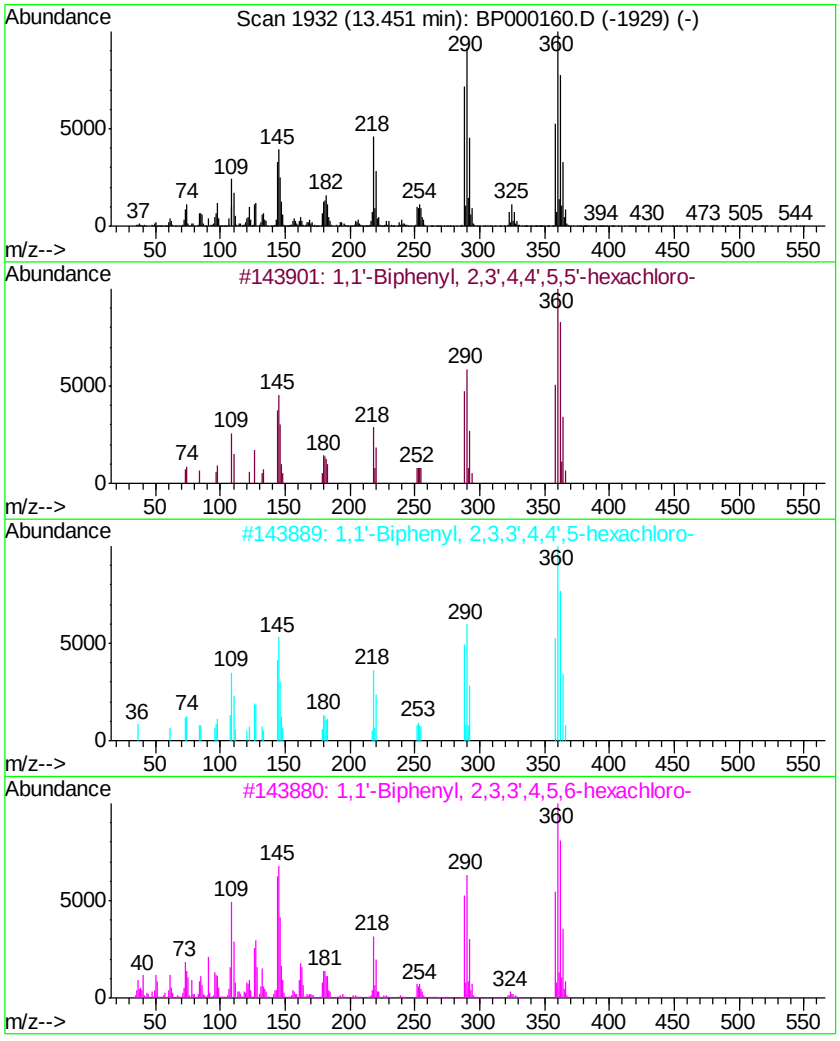
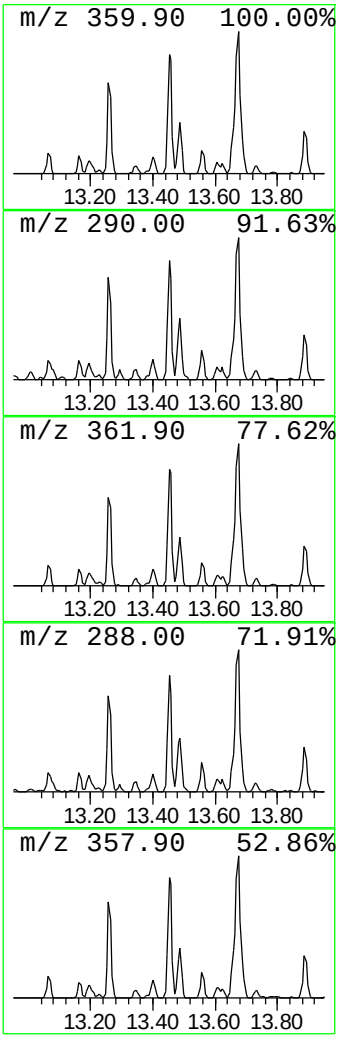
Peak Number 18 1,1'-Biphenyl, 2,3',4,4',5,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	5.09 ng/ul	886251	Chrysene-d12	14.14

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',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
5	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

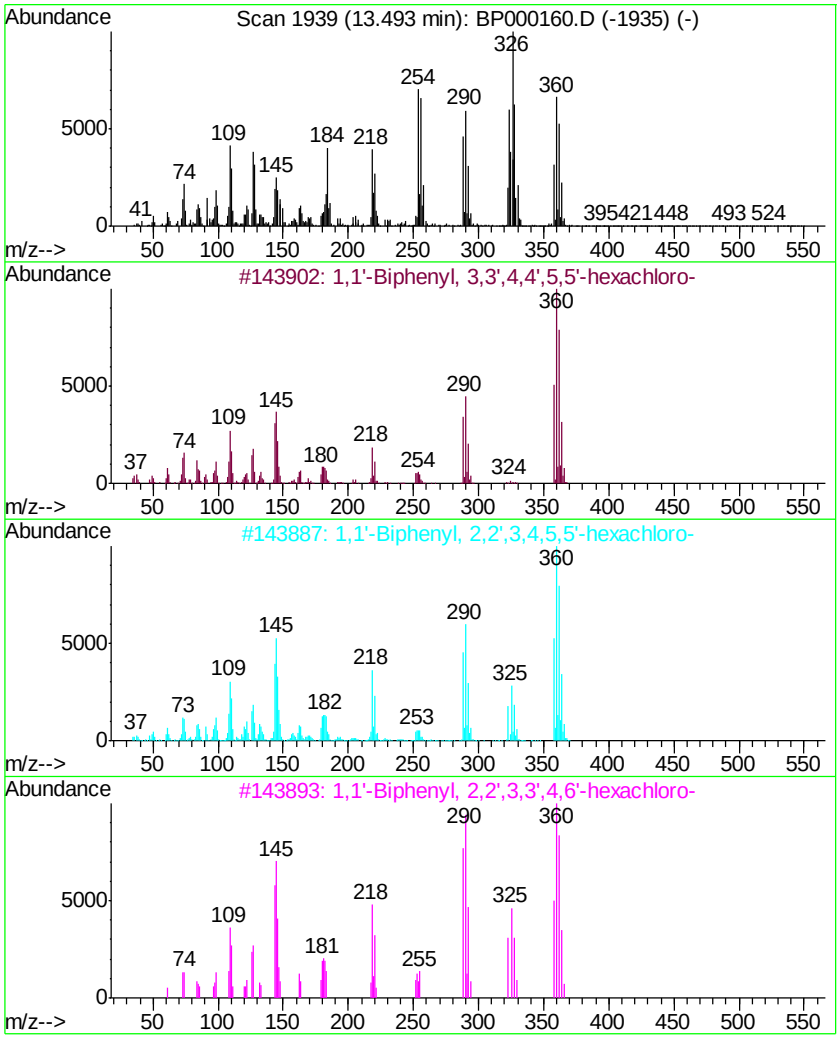
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

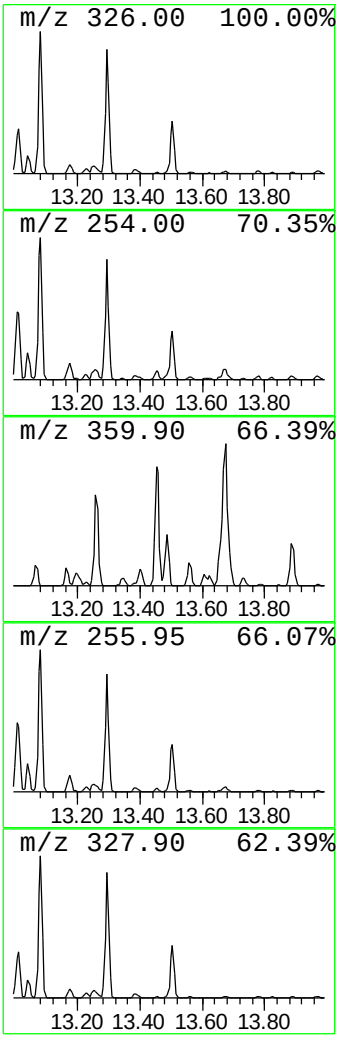
****

Peak Number 19 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.79 ng/ul	486393	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
4	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
5	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

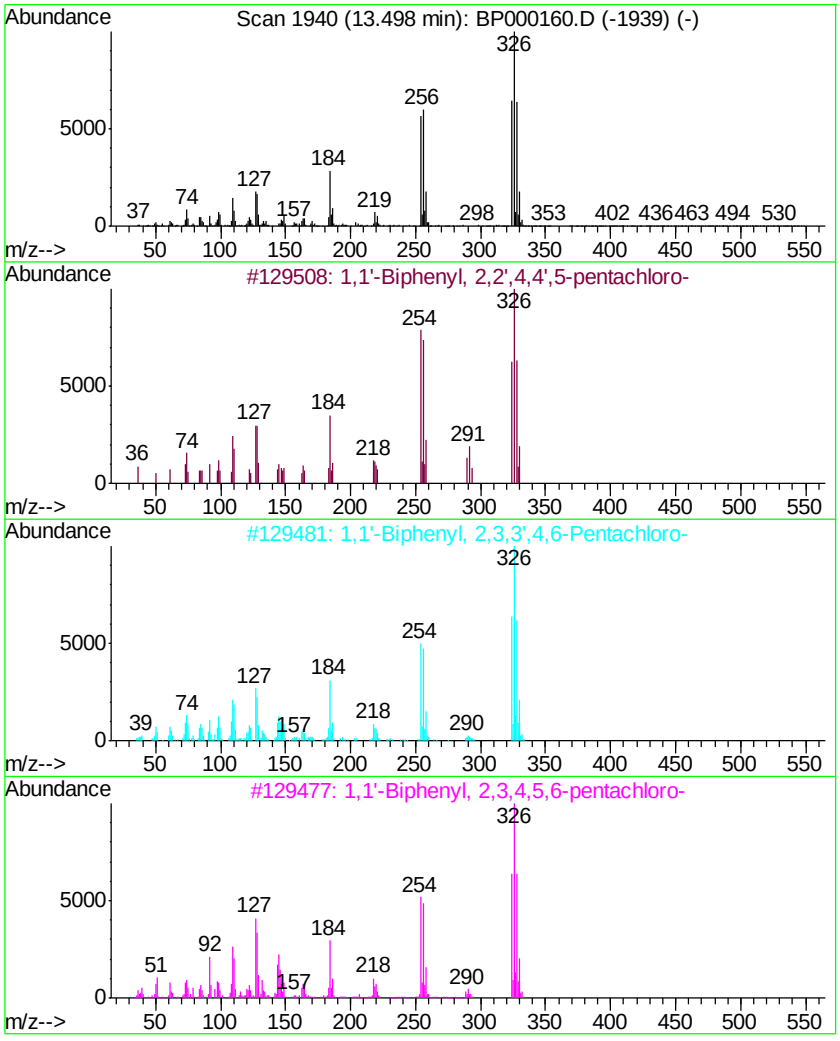
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

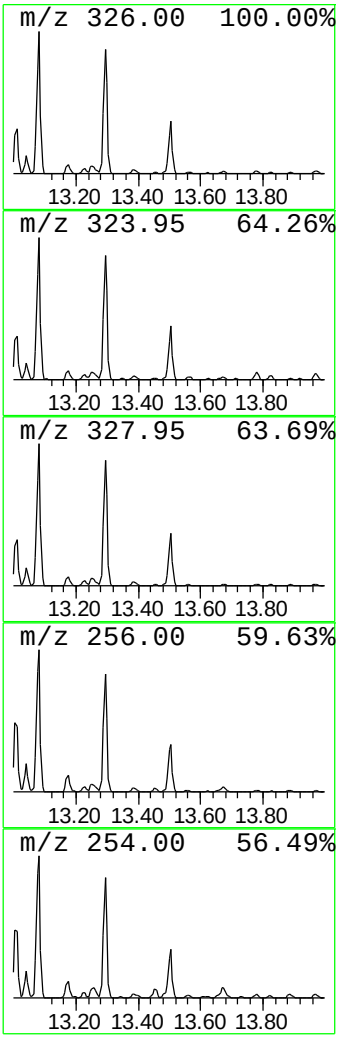
****

Peak Number 20 unknown-05 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.08 ng/ul	536244	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
2	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	94
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	94
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	94
5	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	94





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Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

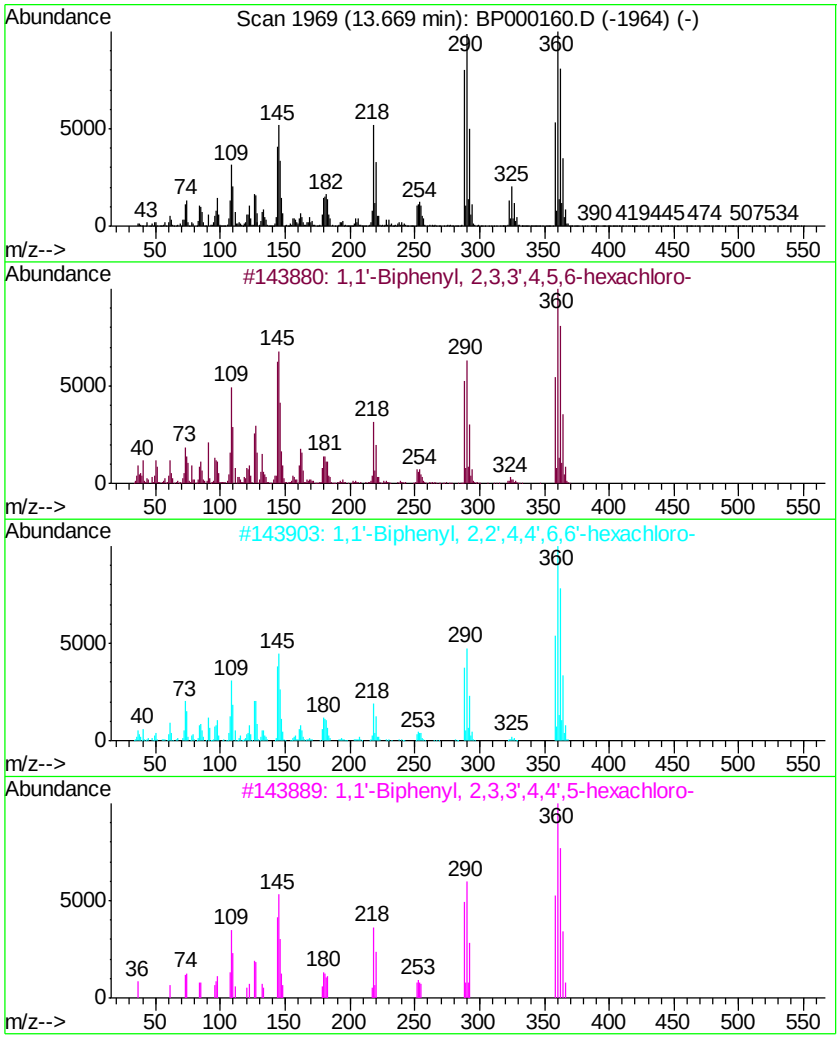
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

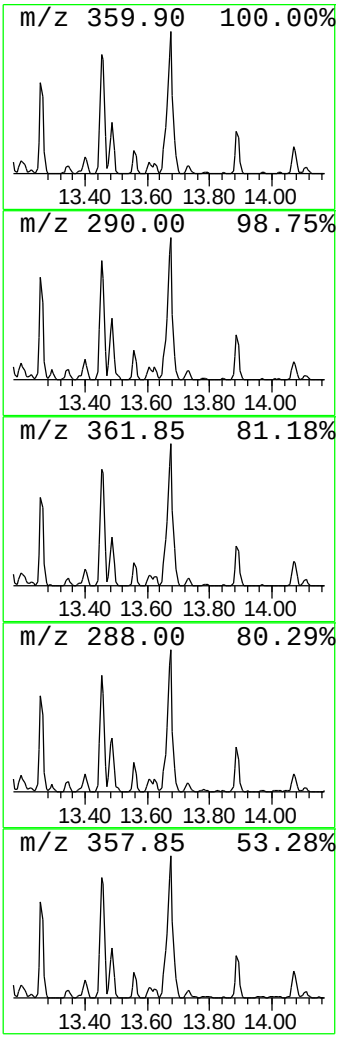
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	9.57 ng/ul	1667670	Chrysene-d12	14.14

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',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	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-hex...	358	C12H4Cl6	035694-06-5	99
5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

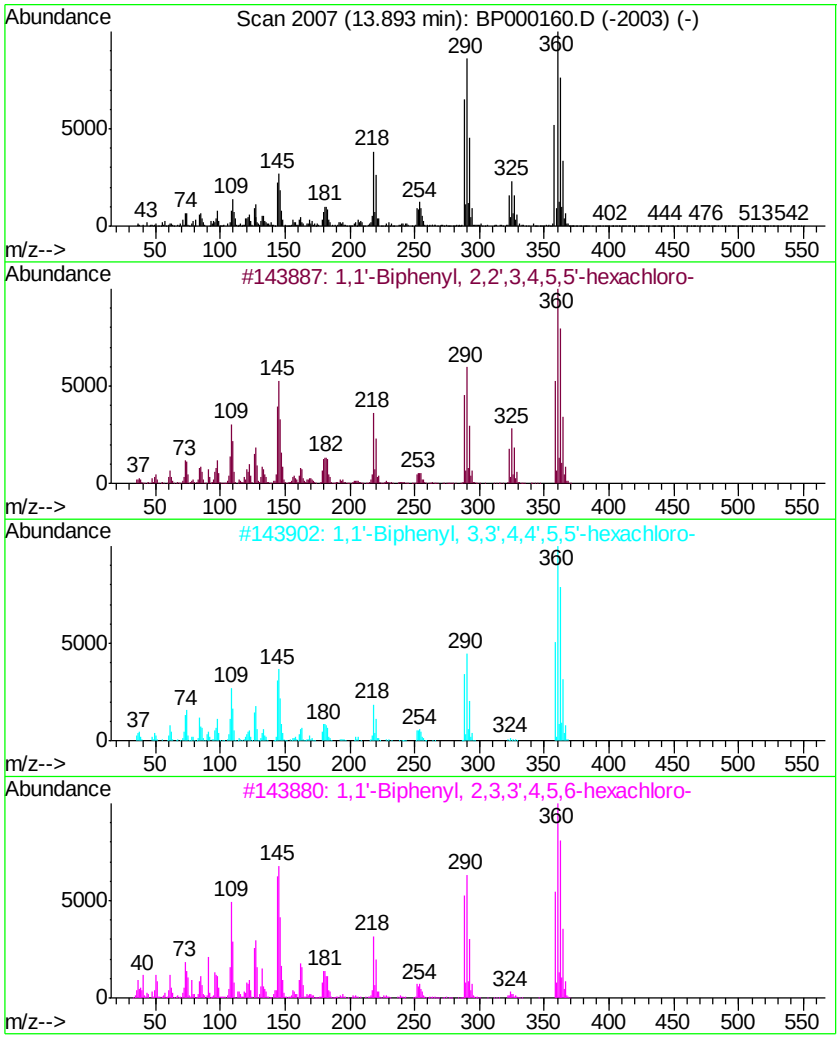
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION

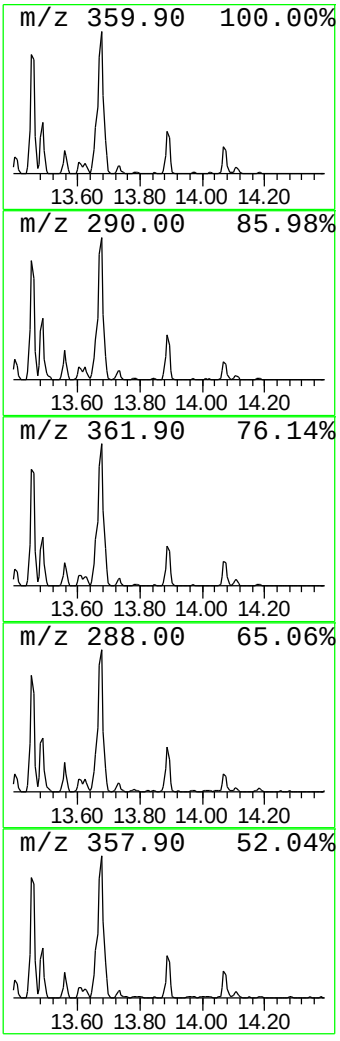
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.06 ng/ul	359119	Chrysene-d12	14.14

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',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP090919\
Data File : BP000160.D
Acq On : 10 Sep 2019 10:09
Operator : HP/JU
Sample : K4727-01
Misc : GCMS CONFIRMATION
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C0AR9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.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: Cyc...	2.21	2.3	ng/ul	216912	1	6.89	1858620	20.0
(DEL) Alkane: Str...	2.33	14.9	ng/ul	1380870	1	6.89	1858620	20.0
(DEL) Alkane: Str...	2.40	3.6	ng/ul	334032	1	6.89	1858620	20.0
(DEL) Alkane: Str...	2.59	6.5	ng/ul	603072	1	6.89	1858620	20.0
3-Hexen-2-one	4.50	4.2	ng/ul	387693	1	6.89	1858620	20.0
2-Pentanone, 4-hy...	5.10	2.3	ng/ul	217136	1	6.89	1858620	20.0
1,1'-Biphenyl, 2,...	12.08	4.9	ng/ul	852531	4	11.45	3483180	20.0
1,1'-Biphenyl, 2,...	12.25	2.2	ng/ul	382382	4	11.45	3483180	20.0
1,1'-Biphenyl, 2,...	12.60	7.9	ng/ul	1381440	4	11.45	3483180	20.0
1,1'-Biphenyl, 2,...	12.74	2.3	ng/ul	401576	4	11.45	3483180	20.0
1,1'-Biphenyl, 2,...	12.79	11.0	ng/ul	1910690	4	11.45	3483180	20.0
1,1'-Biphenyl, 2,...	12.83	3.7	ng/ul	646833	5	14.14	3485640	20.0
unknown-01	12.96	2.8	ng/ul	495360	5	14.14	3485640	20.0
unknown-02	13.00	5.1	ng/ul	881248	5	14.14	3485640	20.0
unknown-03	13.08	10.5	ng/ul	1835310	5	14.14	3485640	20.0
unknown-04	13.26	4.9	ng/ul	851111	5	14.14	3485640	20.0
1,1'-Biphenyl, 2,...	13.29	8.1	ng/ul	1410790	5	14.14	3485640	20.0
1,1'-Biphenyl, 2,...	13.45	5.1	ng/ul	886251	5	14.14	3485640	20.0
1,1'-Biphenyl, 3,...	13.49	2.8	ng/ul	486393	5	14.14	3485640	20.0
unknown-05	13.50	3.1	ng/ul	536244	5	14.14	3485640	20.0
1,1'-Biphenyl, 2,...	13.67	9.6	ng/ul	1667670	5	14.14	3485640	20.0
1,1'-Biphenyl, 2,...	13.89	2.1	ng/ul	359119	5	14.14	3485640	20.0