LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	26	30	37	rVB	96526	128939	3.21%	0.227%
2	5.163	519	523	538	rVB	566713	727930	18.10%	1.280%
3	5.551	583	589	592	rBV	3813635	3957180	98.41%	6.959%
4	6.551	752	759	762	rBV	3581116	4000431	99.48%	7.035%
5	6.698	779	784	787	rBV	4050832	4021187	100.00%	7.072%
6	6.928	819	823	826	rBV	1241459	961108	23.90%	1.690%
7	7.087	845	850	853	rVB	3022107	2760492	68.65%	4.855%
8	7.486	913	918	921	rBV	2394417	2466139	61.33%	4.337%
9	8.210	1036	1041	1044	rBV	1487184	1289505	32.07%	2.268%
10	9.286	1218	1224	1227	rBV	3869333	3954748	98.35%	6.955%
11	9.669	1286	1289	1293	rBV	569777	494995	12.31%	0.871%
12	9.963	1335	1339	1343	rBV	1535061	1285088	31.96%	2.260%
13	10.386	1408	1411	1414	rVB	73299	53084	1.32%	0.093%
14	10.616	1441	1450	1454	rBV2	131406	130247	3.24%	0.229%
15	10.751	1467	1473	1476	rBV	2404063	2150839	53.49%	3.783%
16	10.857	1488	1491	1499	rBV	85520	87012	2.16%	0.153%
17	11.180	1543	1546	1549	rBV	613127	498818	12.40%	0.877%
18	11.304	1563	1567	1572	rBV4	45141	52357	1.30%	0.092%
19	11.374	1577	1579	1581	rVV	137658	106527	2.65%	0.187%
20	11.398	1581	1583	1586	rVB	85139	62200	1.55%	0.109%
21	11.451	1588	1592	1599	rBV2	1297971	1551284	38.58%	2.728%
22	11.551	1605	1609	1612	rVB	1209215	1098505	27.32%	1.932%
23	11.674	1624	1630	1632	rBV2	25503	41428	1.03%	0.073%
24	11.704	1632	1635	1637	rVV	314643	272970	6.79%	0.480%
25	11.722	1637	1638	1643	rVV2	167877	100558	2.50%	0.177%
26	11.792	1645	1650	1654	rVV	1902019	2089273	51.96%	3.674%
27	11.857	1657	1661	1665	rVB2	560310	486907	12.11%	0.856%
28	11.904	1665	1669	1671	rBV	163558	139550	3.47%	0.245%
29	11.933	1671	1674	1677	rVV	1031222	881361	21.92%	1.550%
30	11.969	1677	1680	1684	rVV	644819	580609	14.44%	1.021%
31	12.027	1687	1690	1693	rVV	244899	208427	5.18%	0.367%
32	12.063	1693	1696	1700	rVV	1577190	1450321	36.07%	2.551%
33	12.098	1700	1702	1704	rVV	1234586	1032730	25.68%	1.816%
34	12.127	1704	1707	1710	rVB	854893	742819	18.47%	1.306%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.233	1721	1725	1728	rBV	1491688	1465598	36.45%	2.577%
36	12.263	1728	1730	1733	rVV	697051	539347	13.41%	0.949%
37	12.316	1736	1739	1741	rVV	674395	594326	14.78%	1.045%
38	12.339	1741	1743	1746	rVB	1360494	1002438	24.93%	1.763%
39	12.398	1750	1753	1757	rVB	374557	288574	7.18%	0.507%
40	12.445	1757	1761	1764	rBV	106669	85550	2.13%	0.150%
41	12.492	1766	1769	1772	rBV2	97959	87962	2.19%	0.155%
42	12.527	1772	1775	1778	rBV	1023518	872555	21.70%	1.534%
43	12.563	1778	1781	1783	rVV	1273516	1263809	31.43%	2.223%
44	12.586	1783	1785	1788	rVV	1836253	1391814	34.61%	2.448%
45	12.627	1789	1792	1794	rBV2	108753	89256	2.22%	0.157%
46	12.663	1794	1798	1803	rVB	187849	195077	4.85%	0.343%
47	12.716	1803	1807	1811	rBV	982702	1367567	34.01%	2.405%
48	12.751	1811	1813	1818	rVV	480961	488864	12.16%	0.860%
49	12.798	1818	1821	1824	rVB	212179	187841	4.67%	0.330%
50	12.892	1831	1837	1839	rBV	140440	165440	4.11%	0.291%
51	12.921	1839	1842	1846	rVV	213160	172658	4.29%	0.304%
52	12.974	1847	1851	1853	rVV	236143	204069	5.07%	0.359%
53	13.004	1853	1856	1858	rVV3	151392	157603	3.92%	0.277%
54	13.033	1858	1861	1866	rVV	3194309	3291160	81.85%	5.788%
55	13.074	1866	1868	1871	rVB	136665	95964	2.39%	0.169%
56	13.139	1876	1879	1882	rVB	119690	99845	2.48%	0.176%
57	13.216	1889	1892	1895	rVV3	53882	61072	1.52%	0.107%
58	13.251	1895	1898	1901	rVB	335716	262932	6.54%	0.462%
59	13.457	1928	1933	1936	rBV	243554	223499	5.56%	0.393%
60	13.915	2008	2011	2018	rBV2	154692	155673	3.87%	0.274%
61	14.086	2036	2040	2043	rBV	1110479	1009369	25.10%	1.775%
62	14.110	2043	2044	2049	rVB	71538	57708	1.44%	0.101%
63	15.133	2215	2218	2221	rBV2	57531	87854	2.18%	0.155%
64	15.580	2289	2294	2303	rVB	800888	1031900	25.66%	1.815%

Sum of corrected areas: 56862892

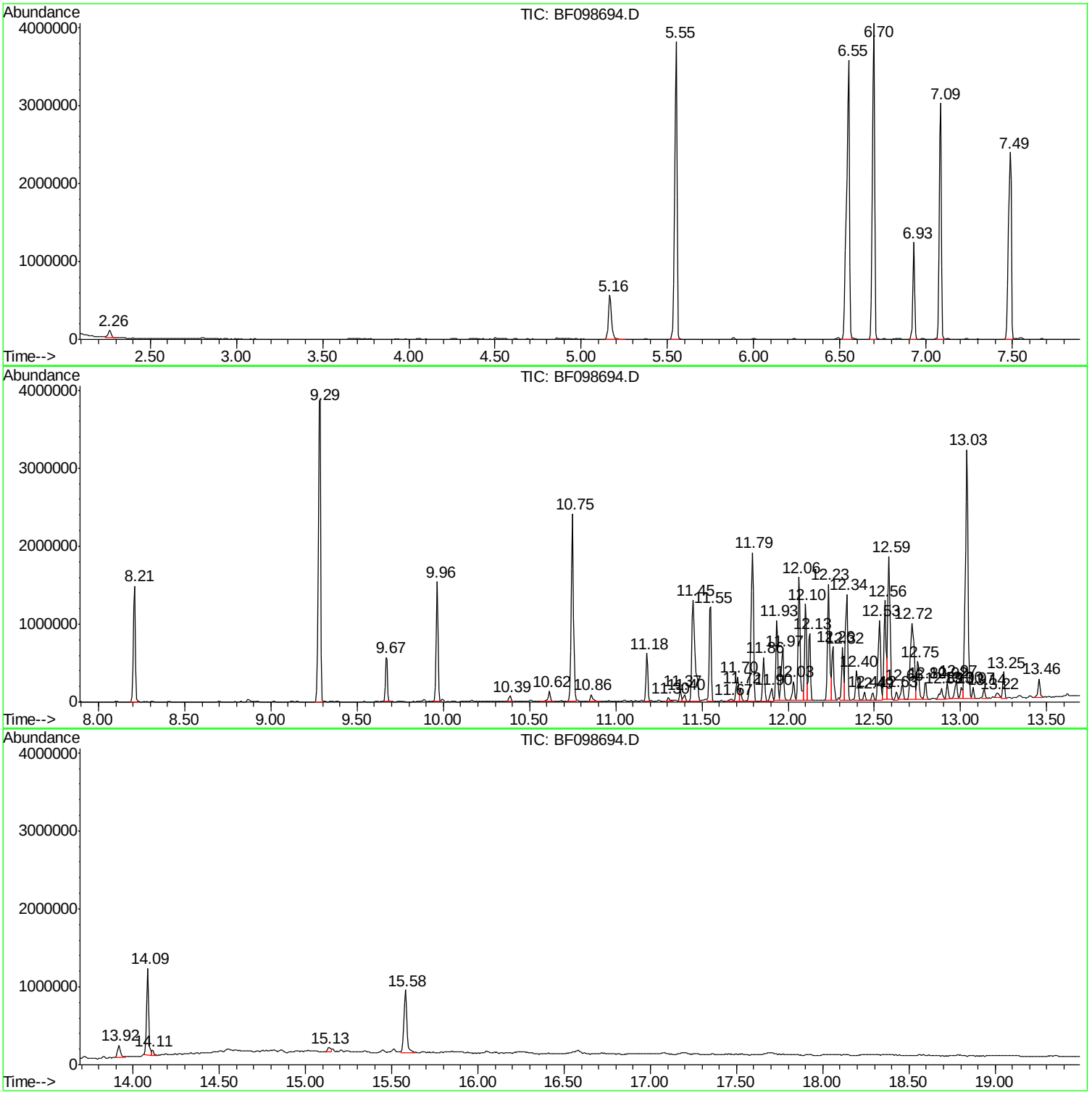
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
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Operator : SJ/JU
Sample : I5309-01
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Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
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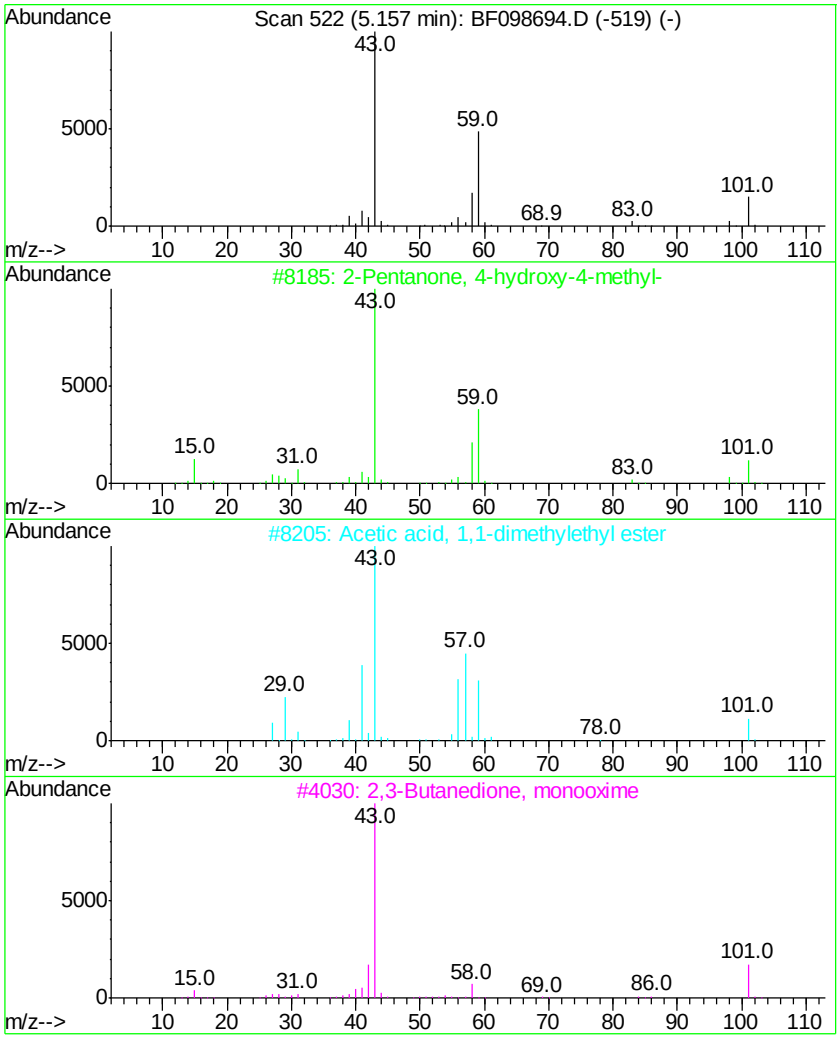
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

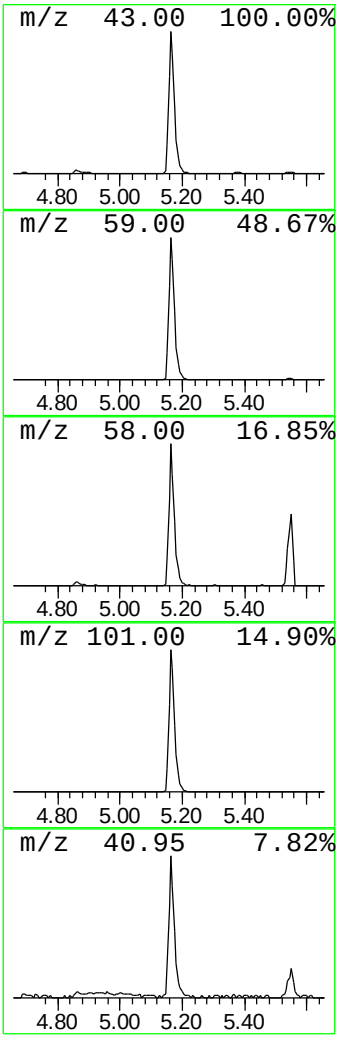
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	15.15 ng	727930	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

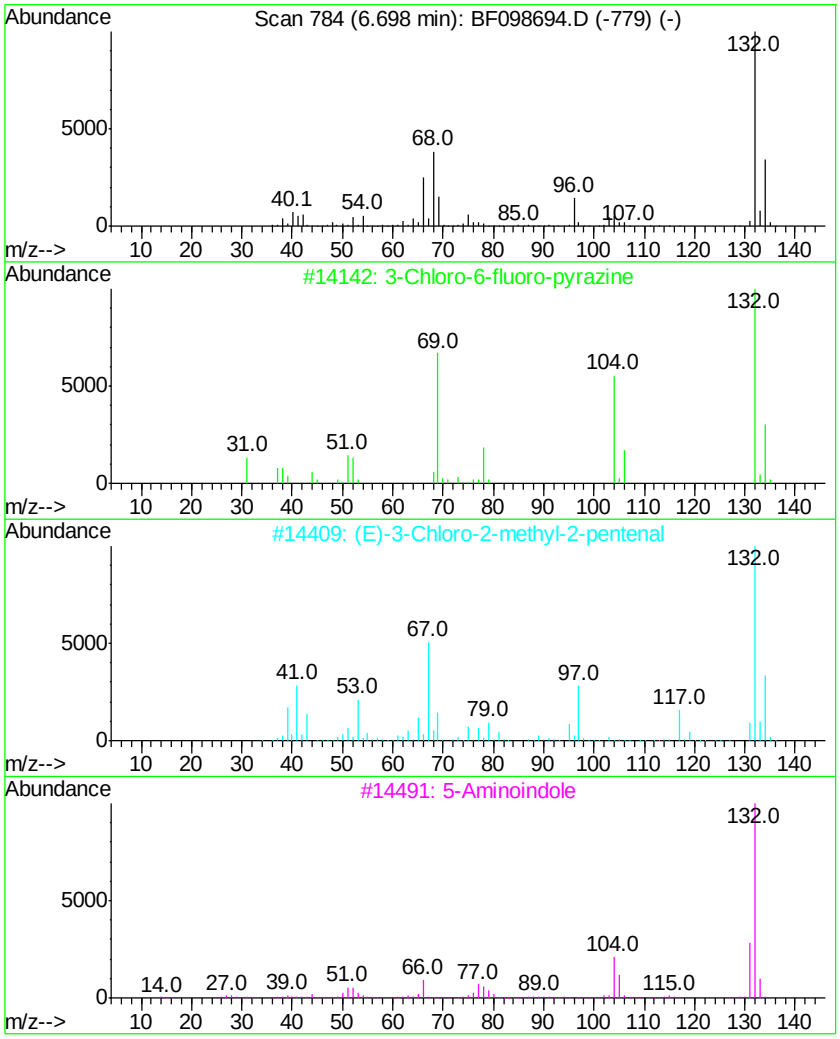
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

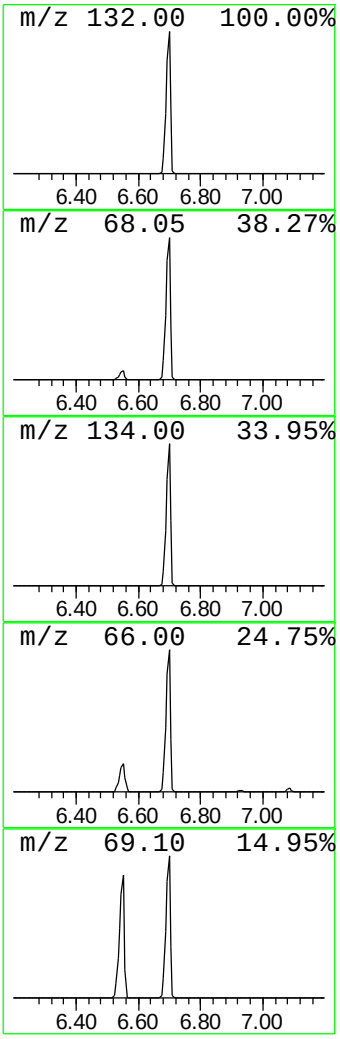
****

Peak Number 2 unknown6.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	83.68 ng	4021190	1,4-Dichlorobenzene-d4	6.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
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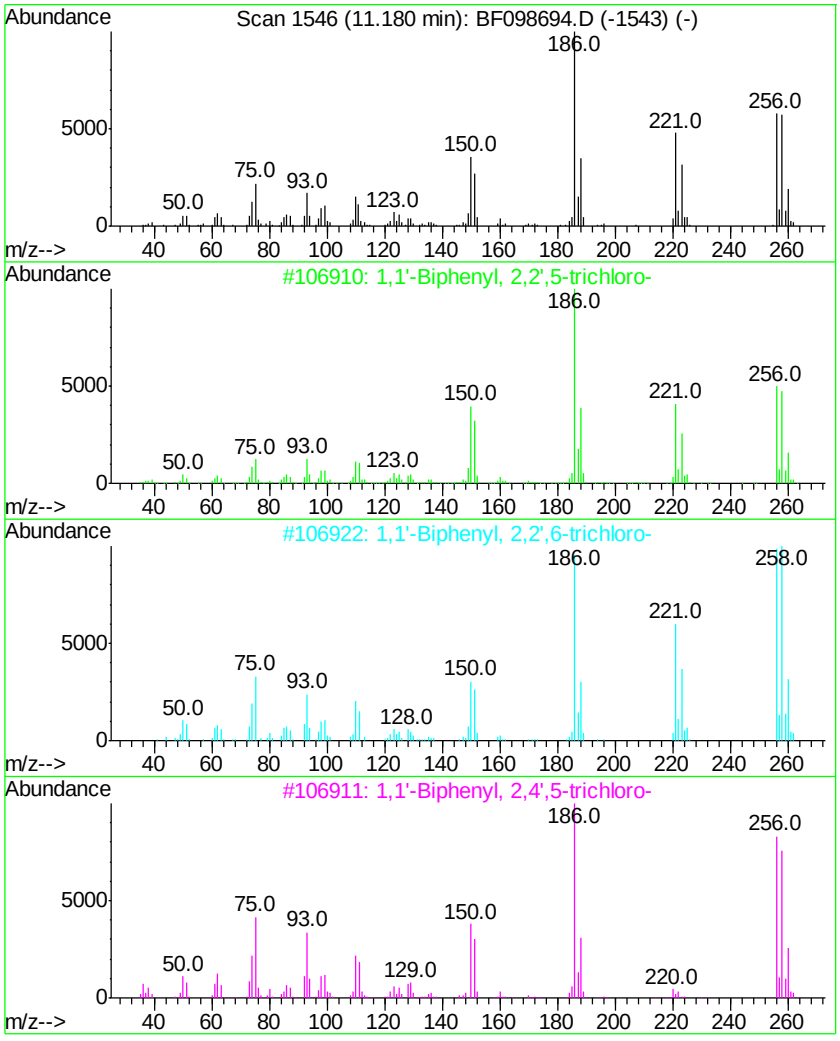
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

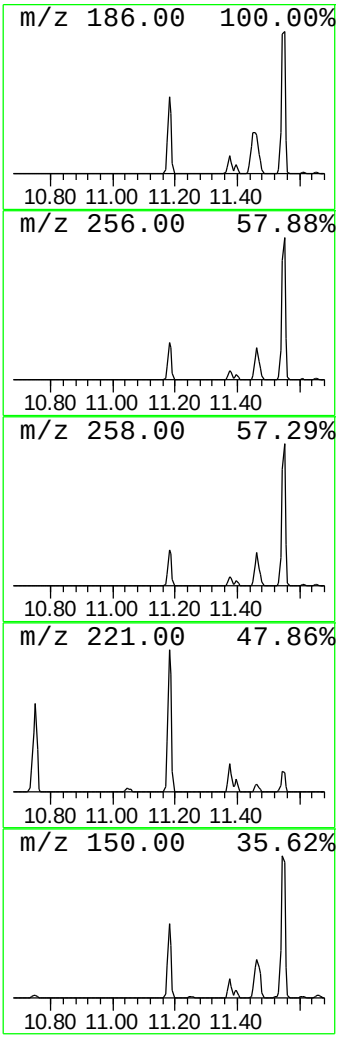
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	6.43 ng	498818	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
4	2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	98
5	1,1'-Biphenyl, 2,3',4-trichloro-	256	C12H7Cl3	055712-37-3	98





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

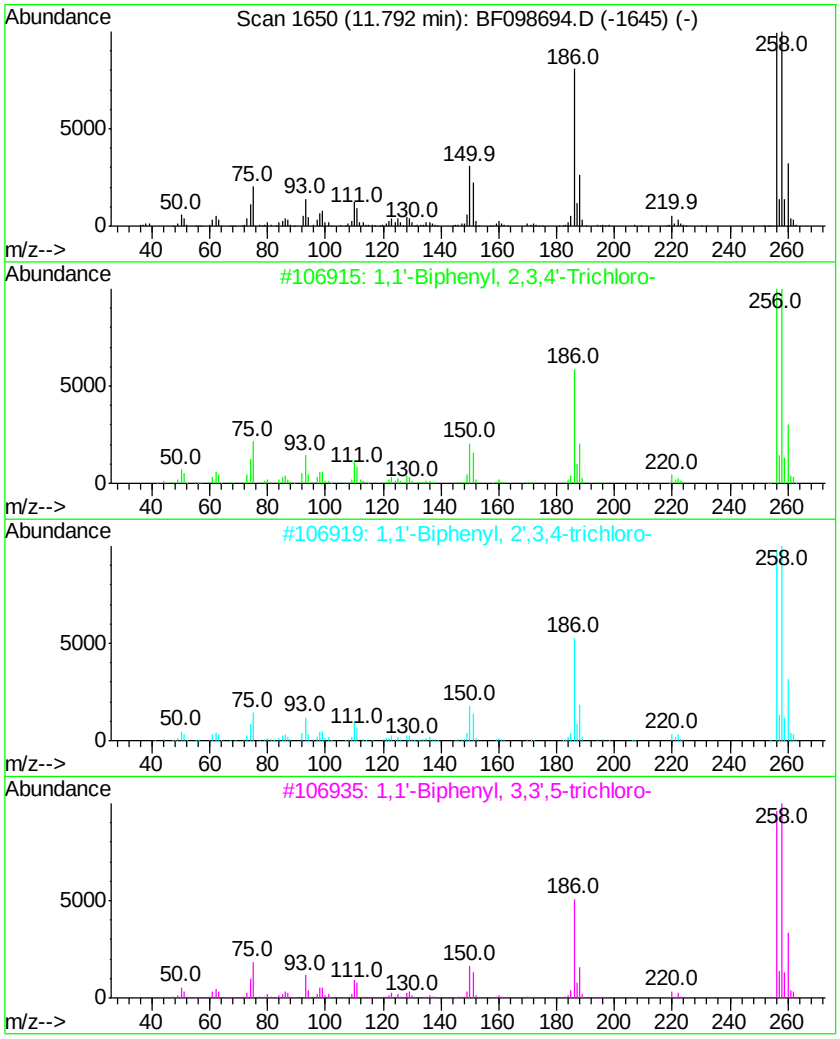
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

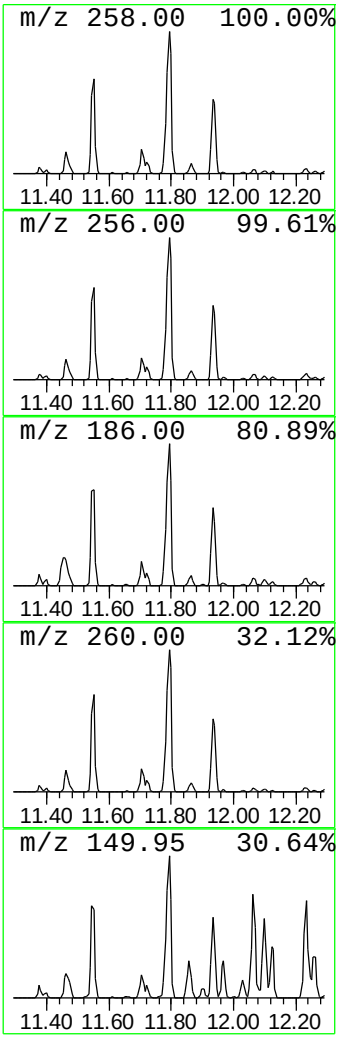
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	26.94 ng	2089270	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99





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Data File : BF098694.D
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Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

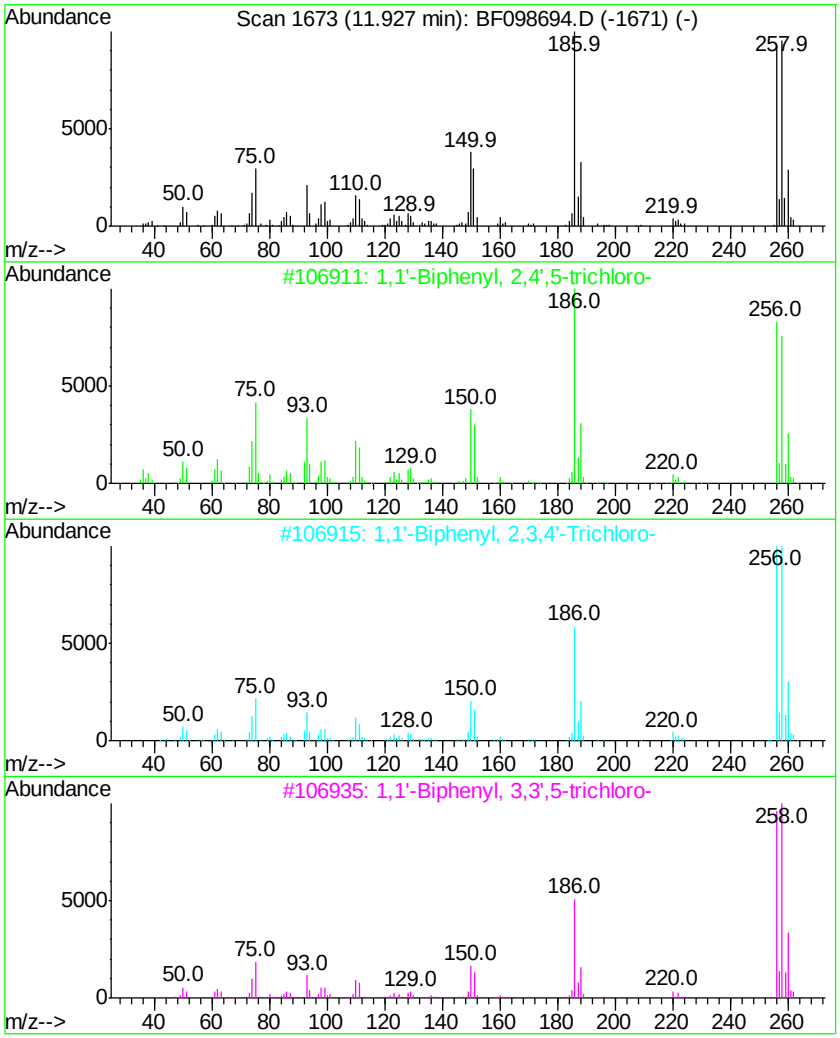
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

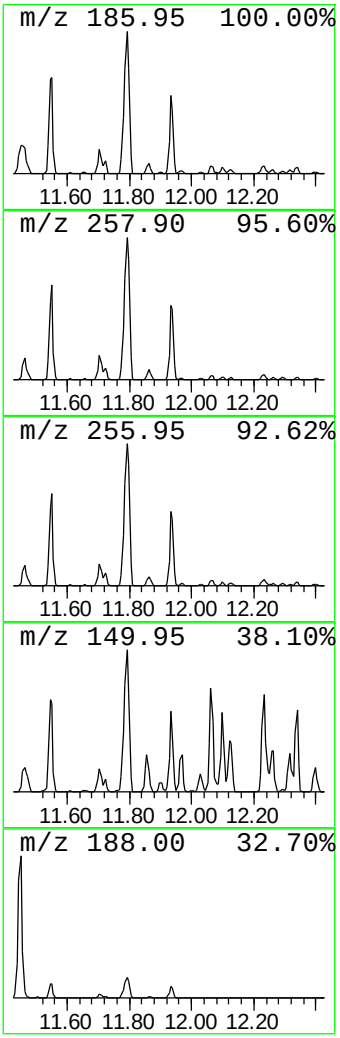
****

Peak Number 7 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	11.36 ng	881361	Phenanthrene-d10	11.45

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	038444-85-8	99
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99





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Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

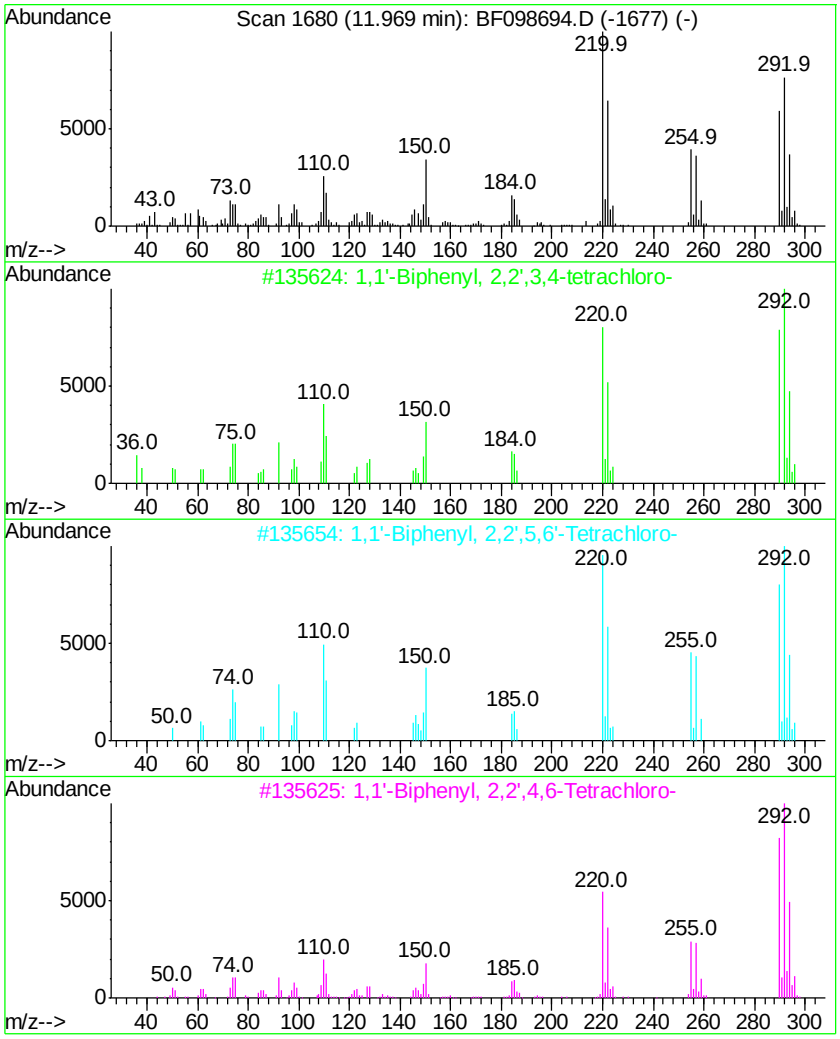
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

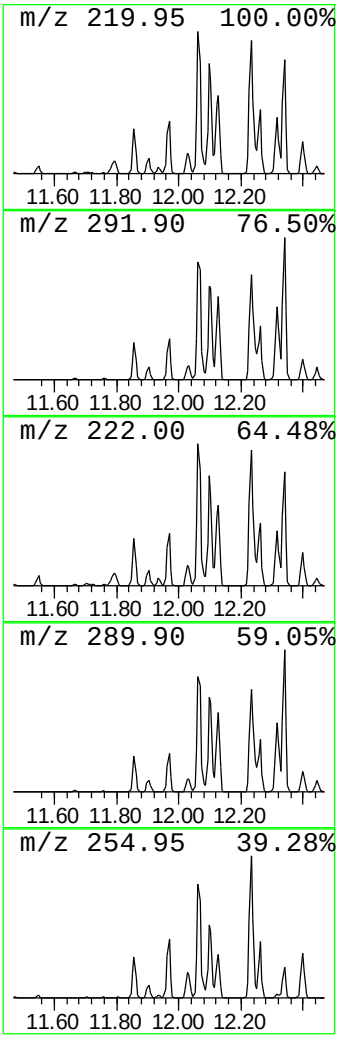
****

Peak Number 8 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	7.49 ng	580609	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
2	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

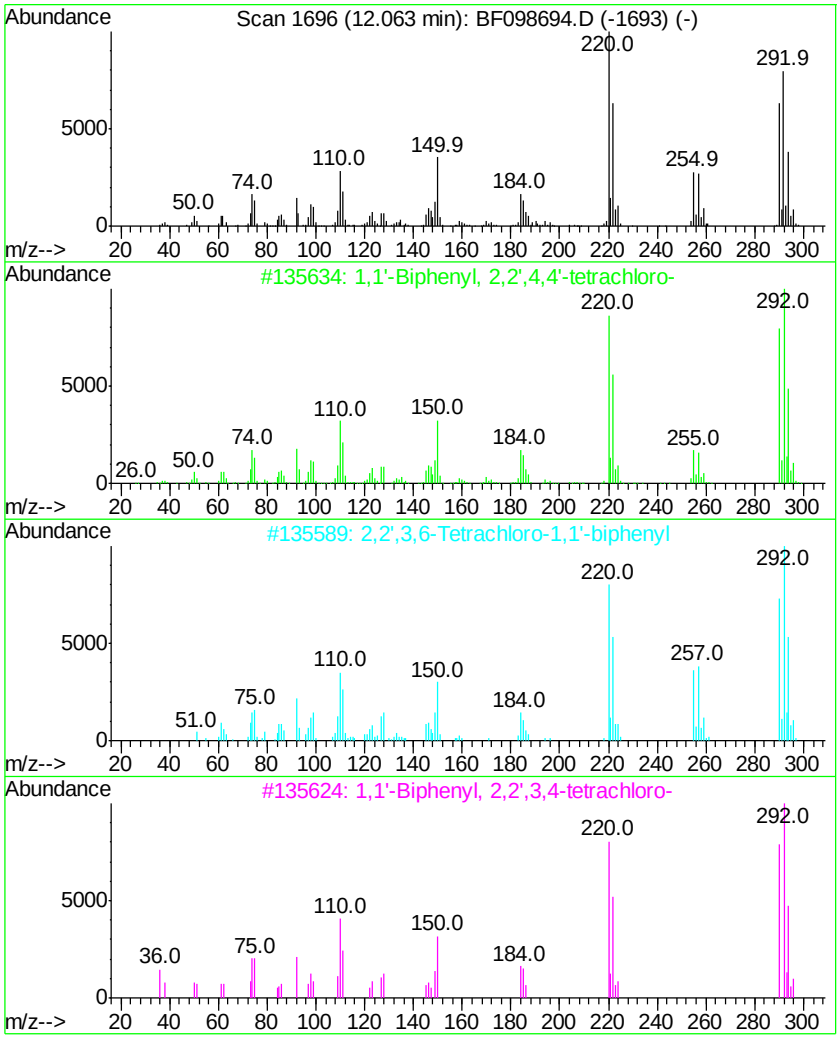
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

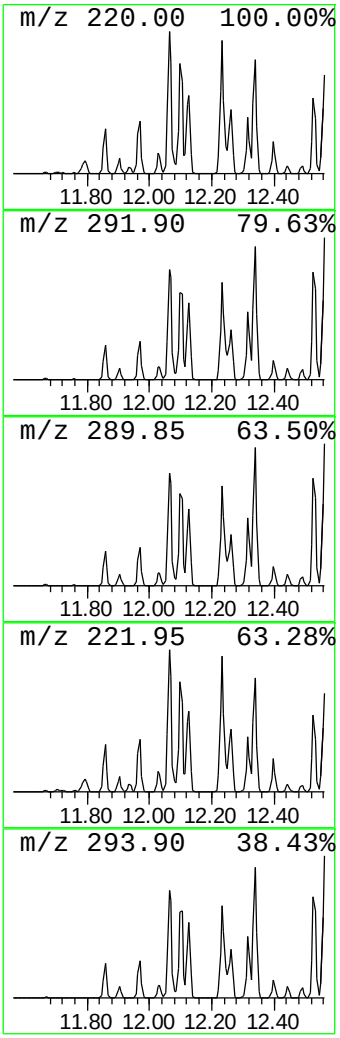
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	18.70 ng	1450320	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	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

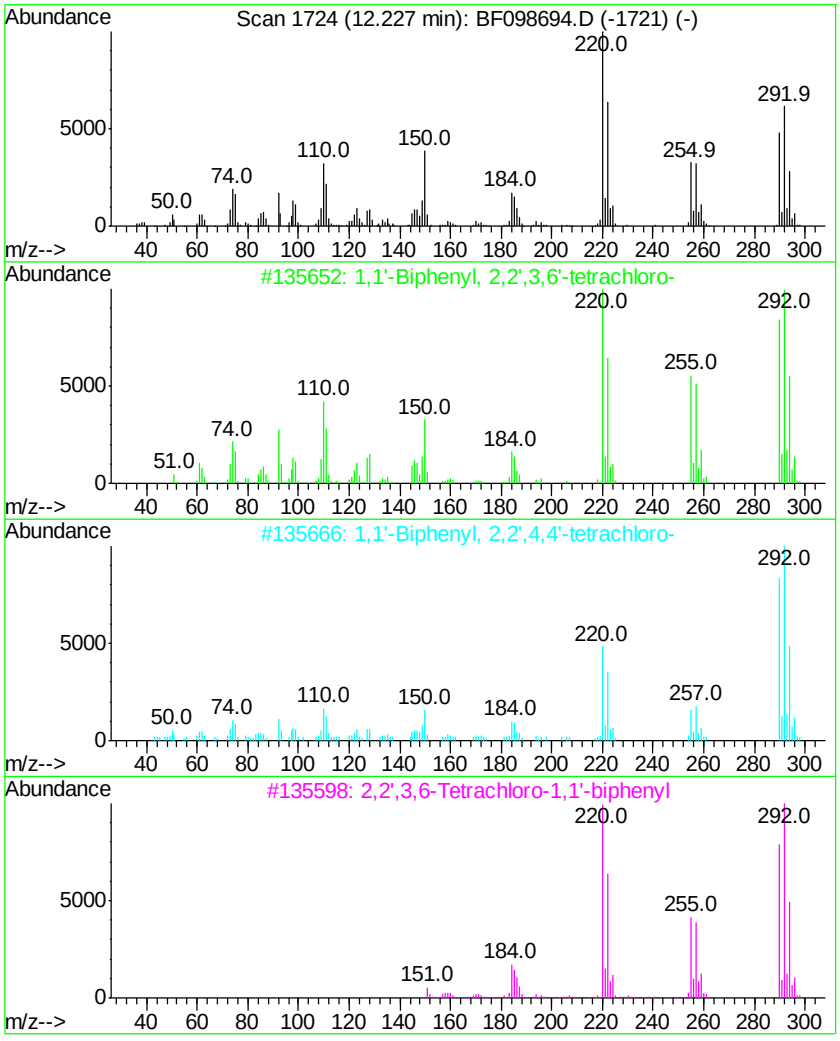
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

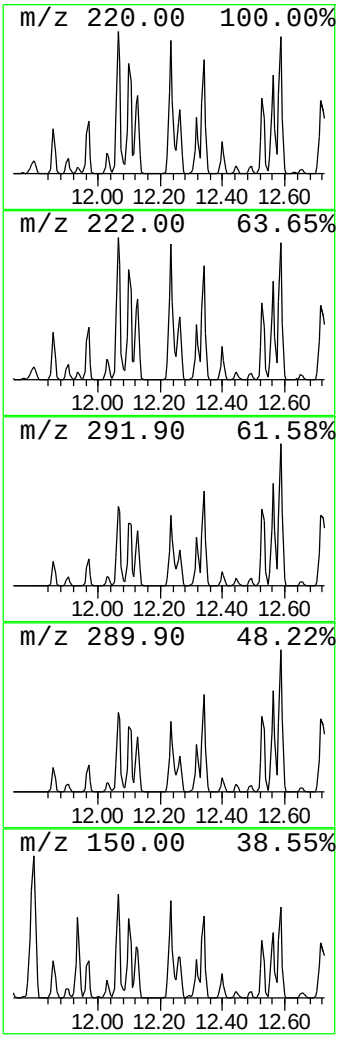
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	18.90 ng	1465600	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
4	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

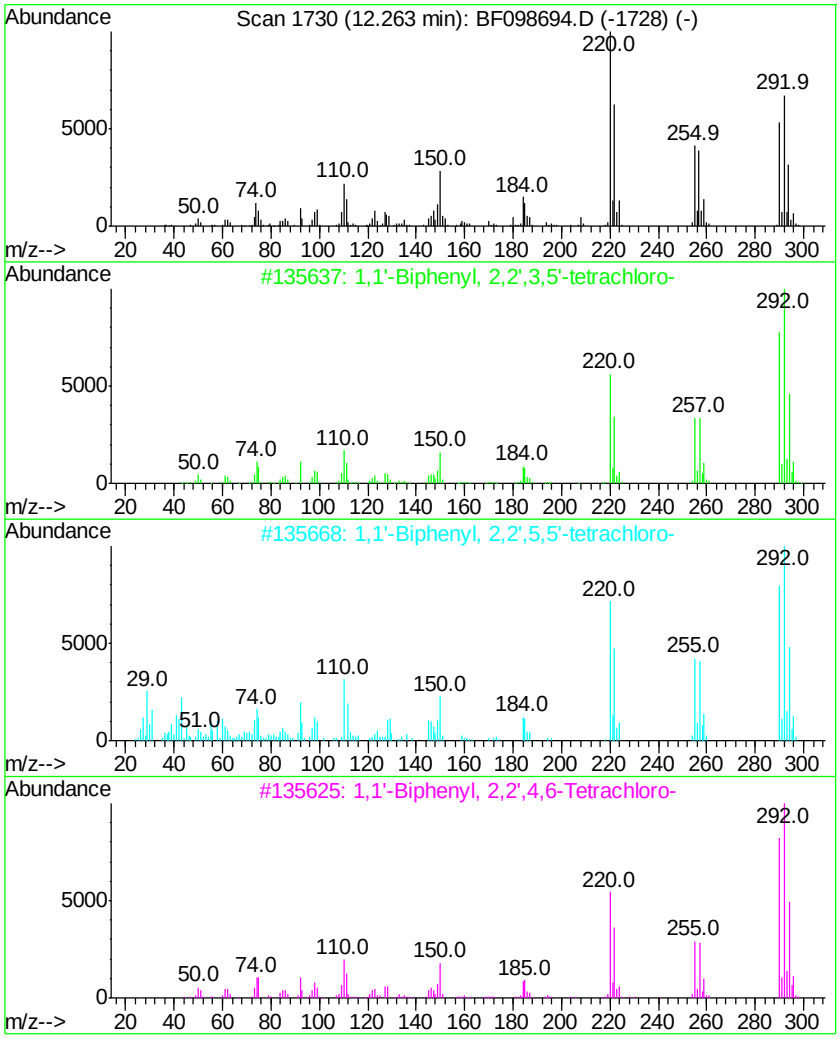
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

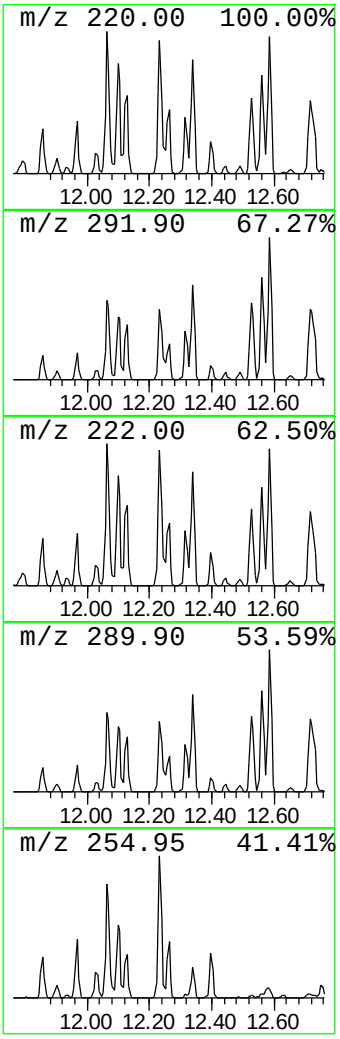
****

Peak Number 13 1,1'-Biphenyl, 2,2',3,5'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	6.95 ng	539347	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',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
4	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
5	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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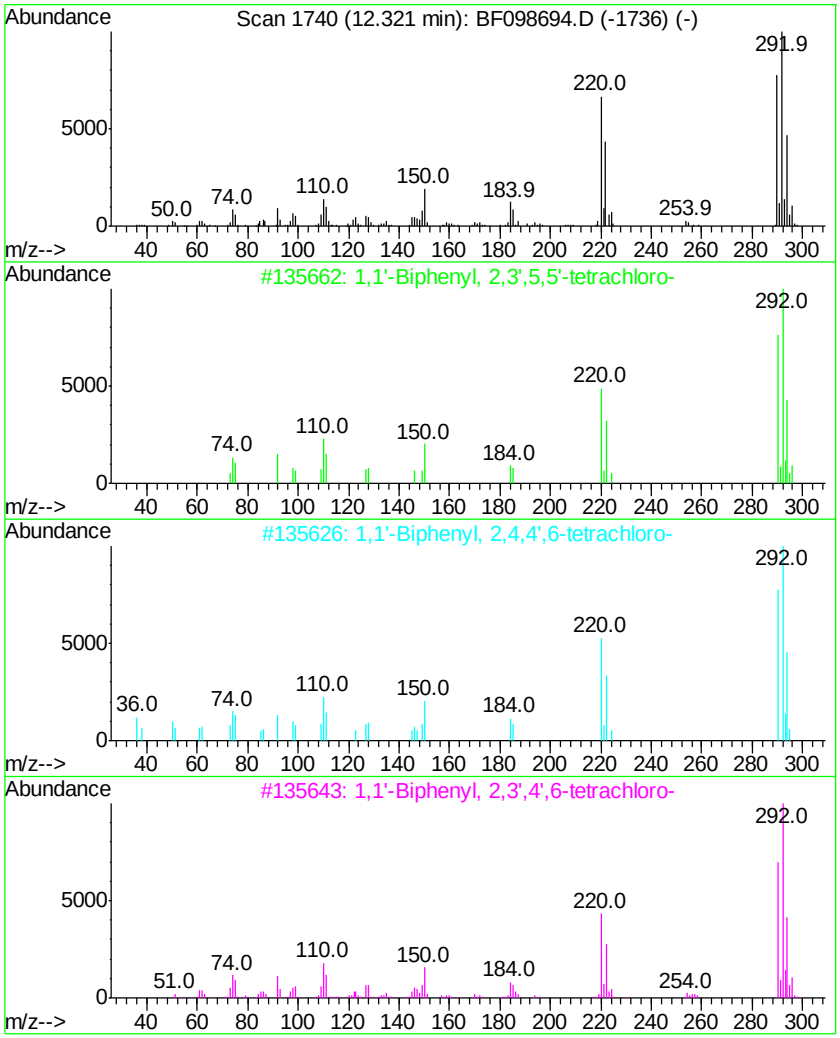
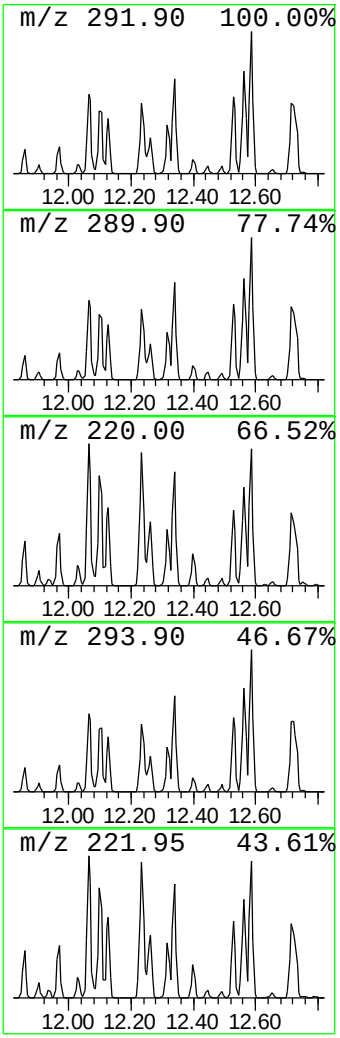
Peak Number 14 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	7.66 ng	594326	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
3	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

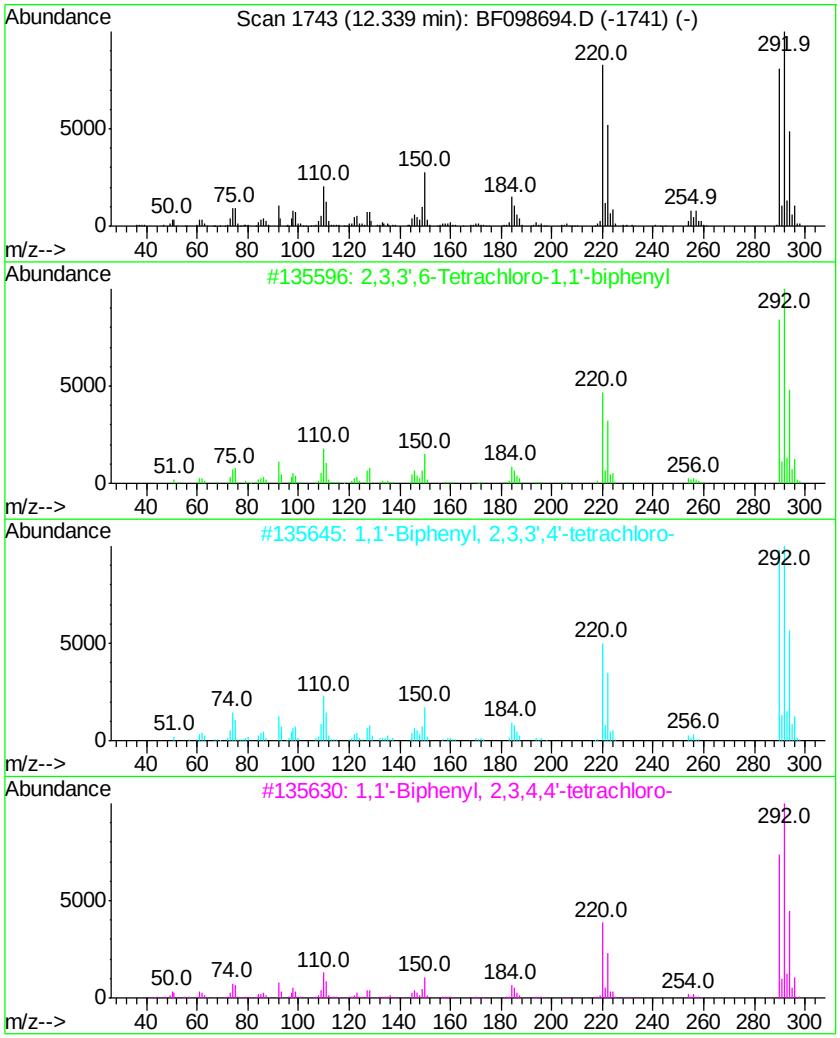
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

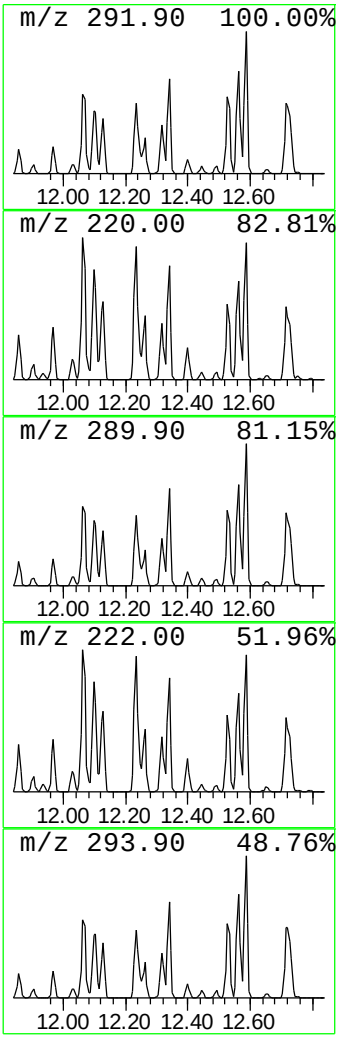
****

Peak Number 15 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	12.92 ng	1002440	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
2	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99
4	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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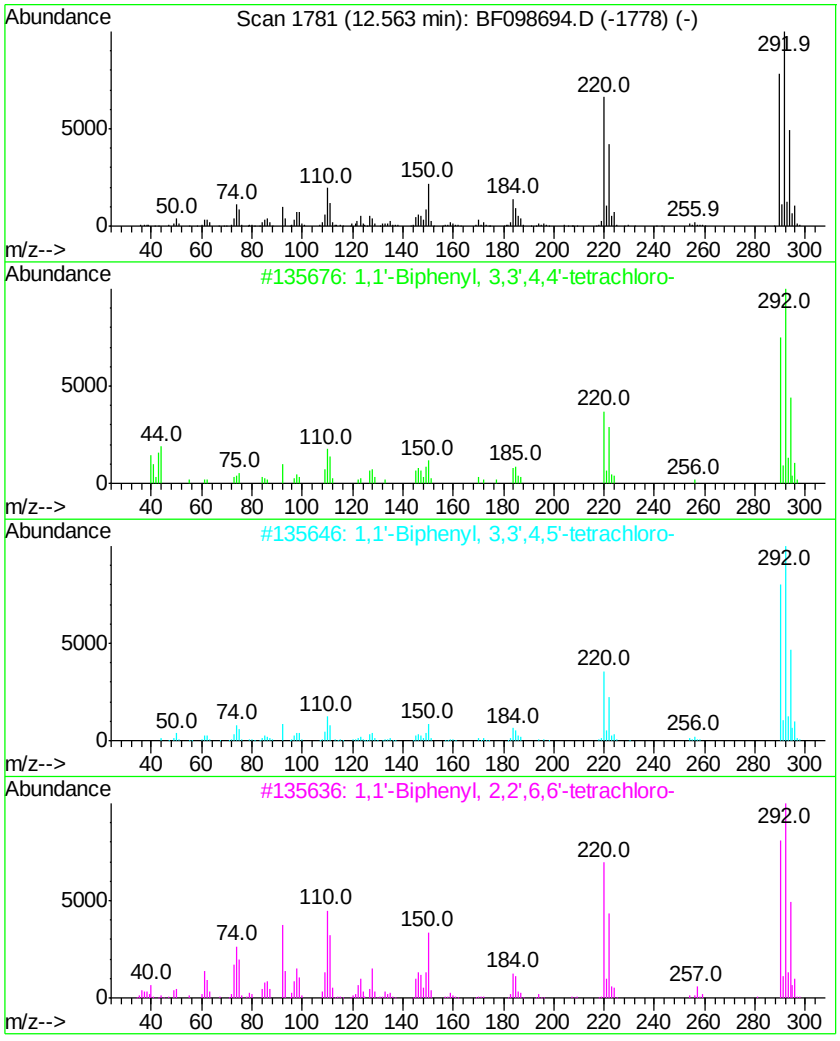
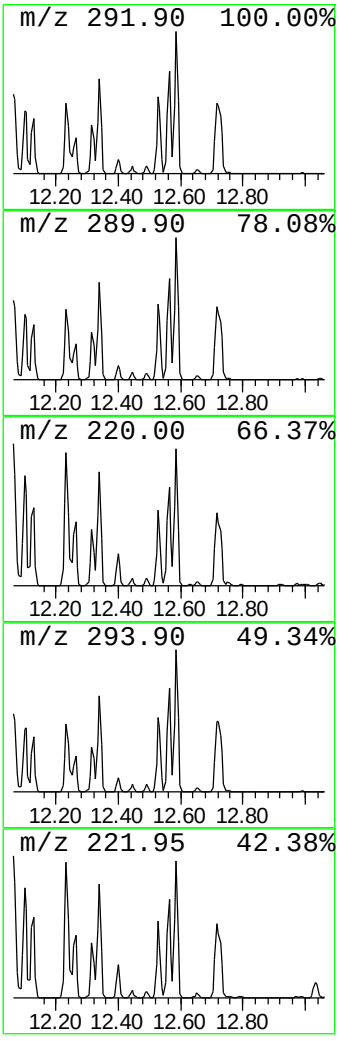
Peak Number 17 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	16.29 ng	1263810	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	98
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

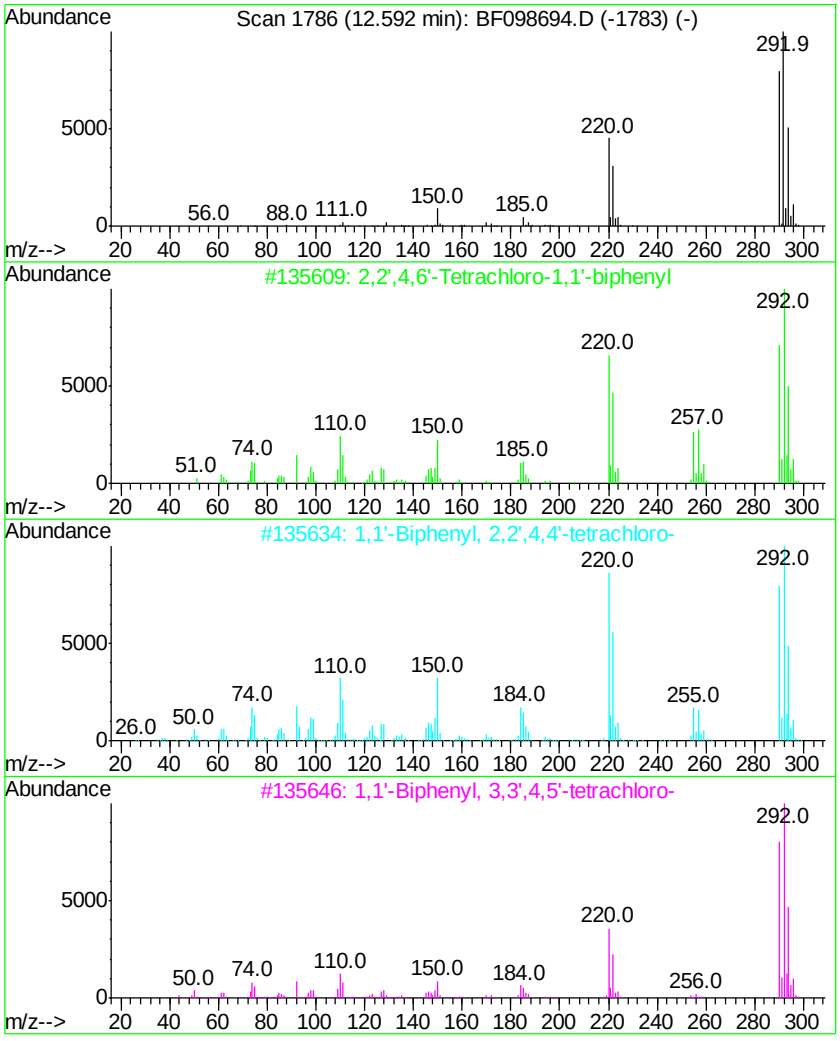
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

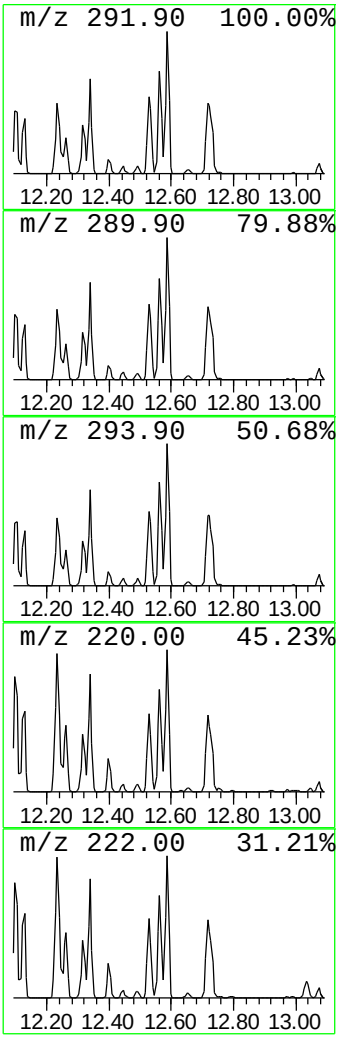
****

Peak Number 18 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	17.94 ng	1391810	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
4	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
5	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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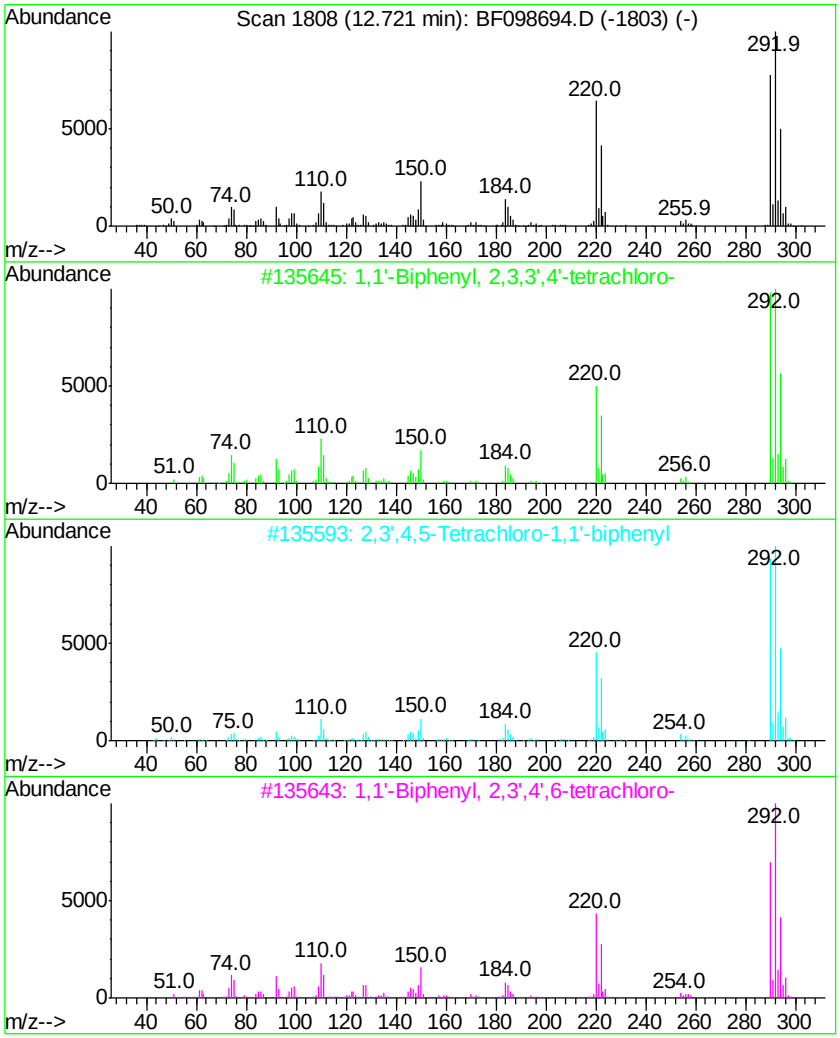
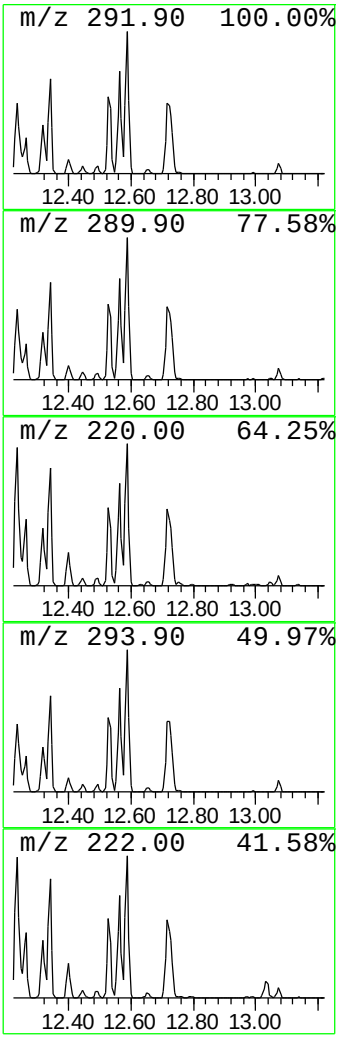
Peak Number 19 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	17.63 ng	1367570	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
2	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
3	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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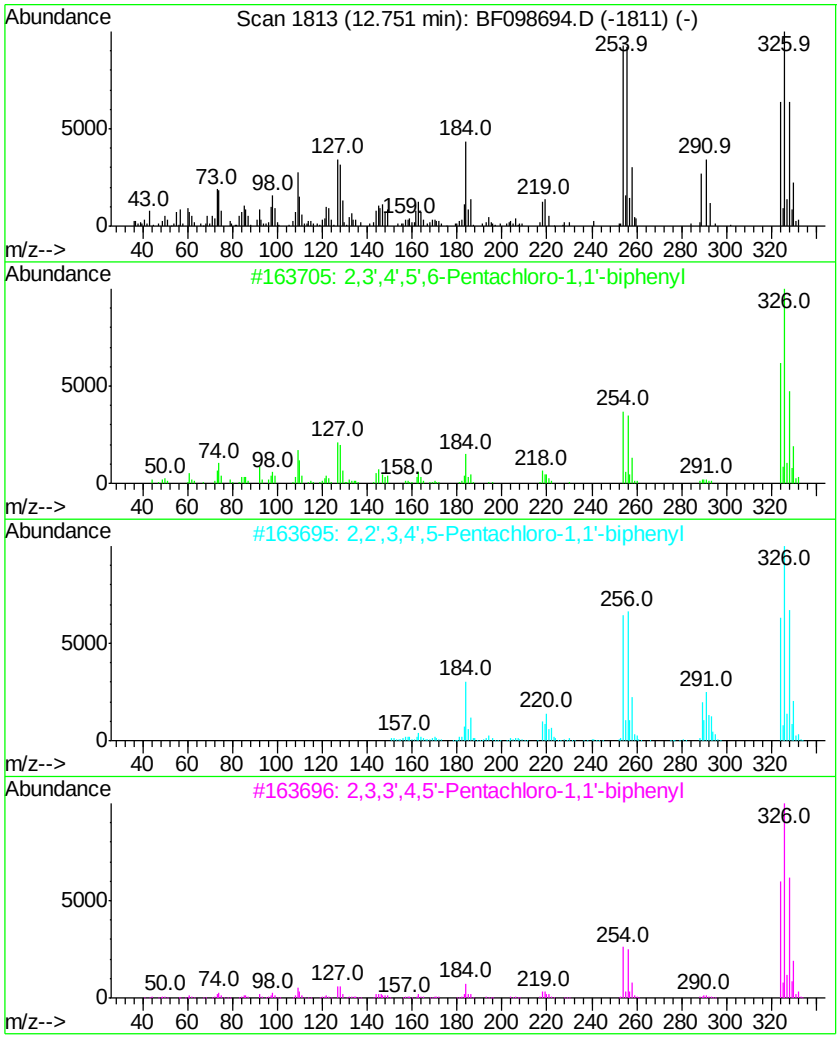
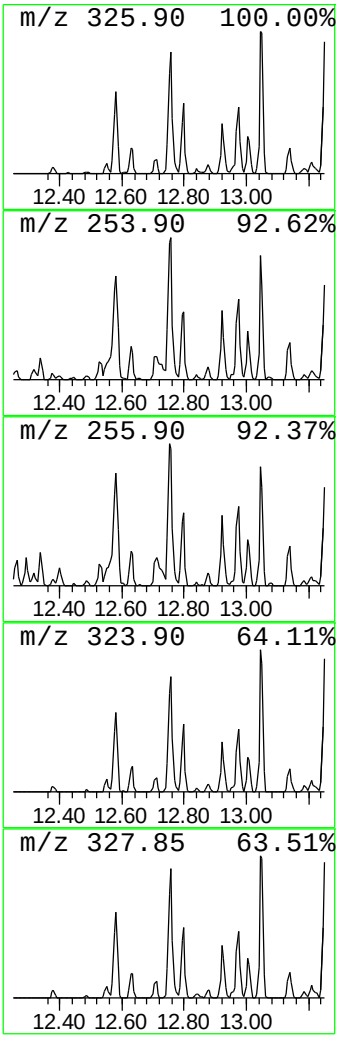
Peak Number 20 2,3',4',5',6-Pentachloro-1,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	6.30 ng	488864	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4',5',6-Pentachloro-1,1'-bi...	324	C12H5Cl5	074472-39-2	99
2	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
3	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
4	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99
5	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092217\
Data File : BF098694.D
Acq On : 22 Sep 2017 12:34
Operator : SJ/JU
Sample : I5309-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-1-4-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.16	15.2	ng	727930	1	6.93	961108	20.0
unknown6.70	6.70	83.7	ng	4021190	1	6.93	961108	20.0
1,1'-Biphenyl, 2,...	11.18	6.4	ng	498818	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	11.79	26.9	ng	2089270	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	11.93	11.4	ng	881361	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	11.97	7.5	ng	580609	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	12.06	18.7	ng	1450320	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	12.23	18.9	ng	1465600	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	12.26	7.0	ng	539347	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	12.32	7.7	ng	594326	4	11.45	1551280	20.0
2,3,3',6-Tetrachl...	12.34	12.9	ng	1002440	4	11.45	1551280	20.0
1,1'-Biphenyl, 3,...	12.56	16.3	ng	1263810	4	11.45	1551280	20.0
2,2',4,6'-Tetrach...	12.59	17.9	ng	1391810	4	11.45	1551280	20.0
1,1'-Biphenyl, 2,...	12.72	17.6	ng	1367570	4	11.45	1551280	20.0
2,3',4',5',6-Pent...	12.75	6.3	ng	488864	4	11.45	1551280	20.0