LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

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-BF081517.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	4.969	485	490	506	rVB	555480	867250	17.79%	2.101%
2	5.381	554	560	563	rVB	3489152	4256059	87.30%	10.310%
3	6.404	727	734	737	rVB	3724154	4546887	93.26%	11.014%
4	6.533	751	756	759	rBV	3778531	4313077	88.47%	10.448%
5	6.763	791	795	798	rBV	1099341	920934	18.89%	2.231%
6	6.922	817	822	825	rBV	3371086	3274900	67.17%	7.933%
7	7.328	885	891	894	rBV	2671482	3022025	61.98%	7.321%
8	8.045	1008	1013	1016	rBV	1483624	1310608	26.88%	3.175%
9	9.122	1190	1196	1199	rBV	4282577	4875440	100.00%	11.810%
10	9.198	1205	1209	1211	rBV3	38629	52704	1.08%	0.128%
11	9.510	1259	1262	1266	rBV	643405	571062	11.71%	1.383%
12	9.792	1305	1310	1314	rBV	1429471	1399694	28.71%	3.391%
13	10.586	1439	1445	1448	rBV	2564597	2690721	55.19%	6.518%
14	10.704	1462	1465	1466	rBV	113714	96825	1.99%	0.235%
15	11.151	1539	1541	1544	rBV	74664	61693	1.27%	0.149%
16	11.180	1544	1546	1549	rVB	79378	73646	1.51%	0.178%
17	11.274	1559	1562	1565	rBV	1386446	1273273	26.12%	3.084%
18	11.810	1651	1653	1657	rVB3	78042	71255	1.46%	0.173%
19	11.892	1665	1667	1671	rVB4	89862	79662	1.63%	0.193%
20	12.327	1739	1741	1744	rVB2	59869	53451	1.10%	0.129%
21	12.404	1752	1754	1759	rVB2	153364	135349	2.78%	0.328%
22	12.480	1765	1767	1771	rVB	140417	124935	2.56%	0.303%
23	12.580	1781	1784	1789	rVV	245237	265806	5.45%	0.644%
24	12.621	1789	1791	1794	rVB3	59562	58262	1.20%	0.141%
25	12.680	1799	1801	1803	rBV2	106184	103456	2.12%	0.251%
26	12.751	1810	1813	1815	rBV2	47838	50635	1.04%	0.123%
27	12.798	1819	1821	1824	rVB2	84605	77068	1.58%	0.187%
28	12.868	1828	1833	1838	rVB	3303200	3541907	72.65%	8.580%
29	13.045	1860	1863	1866	rVB	110049	93965	1.93%	0.228%
30	13.080	1866	1869	1871	rBV	137270	120910	2.48%	0.293%
31	13.233	1891	1895	1898	rVB2	136264	132749	2.72%	0.322%
32	13.445	1926	1931	1938	rVB3	137735	191765	3.93%	0.465%
33	13.757	1981	1984	1992	rVB	353073	376062	7.71%	0.911%
34	13.904	2005	2009	2012	rBV	885904	850885	17.45%	2.061%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.933	2012	2014	2020	rVB	56471	66882	1.37%	0.162%
36	14.392	2089	2092	2096	rBV2	63213	61812	1.27%	0.150%
37	14.756	2151	2154	2159	rVB	58907	66183	1.36%	0.160%
38	14.915	2178	2181	2185	rBV	47831	69304	1.42%	0.168%
39	15.015	2194	2198	2200	rBV2	49105	71911	1.47%	0.174%
40	15.327	2246	2251	2257	rBV	591005	744953	15.28%	1.805%
41	15.792	2326	2330	2334	rBV	48625	63527	1.30%	0.154%
42	15.839	2334	2338	2347	rVB4	49807	85286	1.75%	0.207%
43	16.268	2407	2411	2417	rBV3	28876	52023	1.07%	0.126%
44	16.839	2502	2508	2511	rBV5	32406	64300	1.32%	0.156%

Sum of corrected areas: 41281101

LSC Report - Integrated Chromatogram

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Data File : BF097880.D
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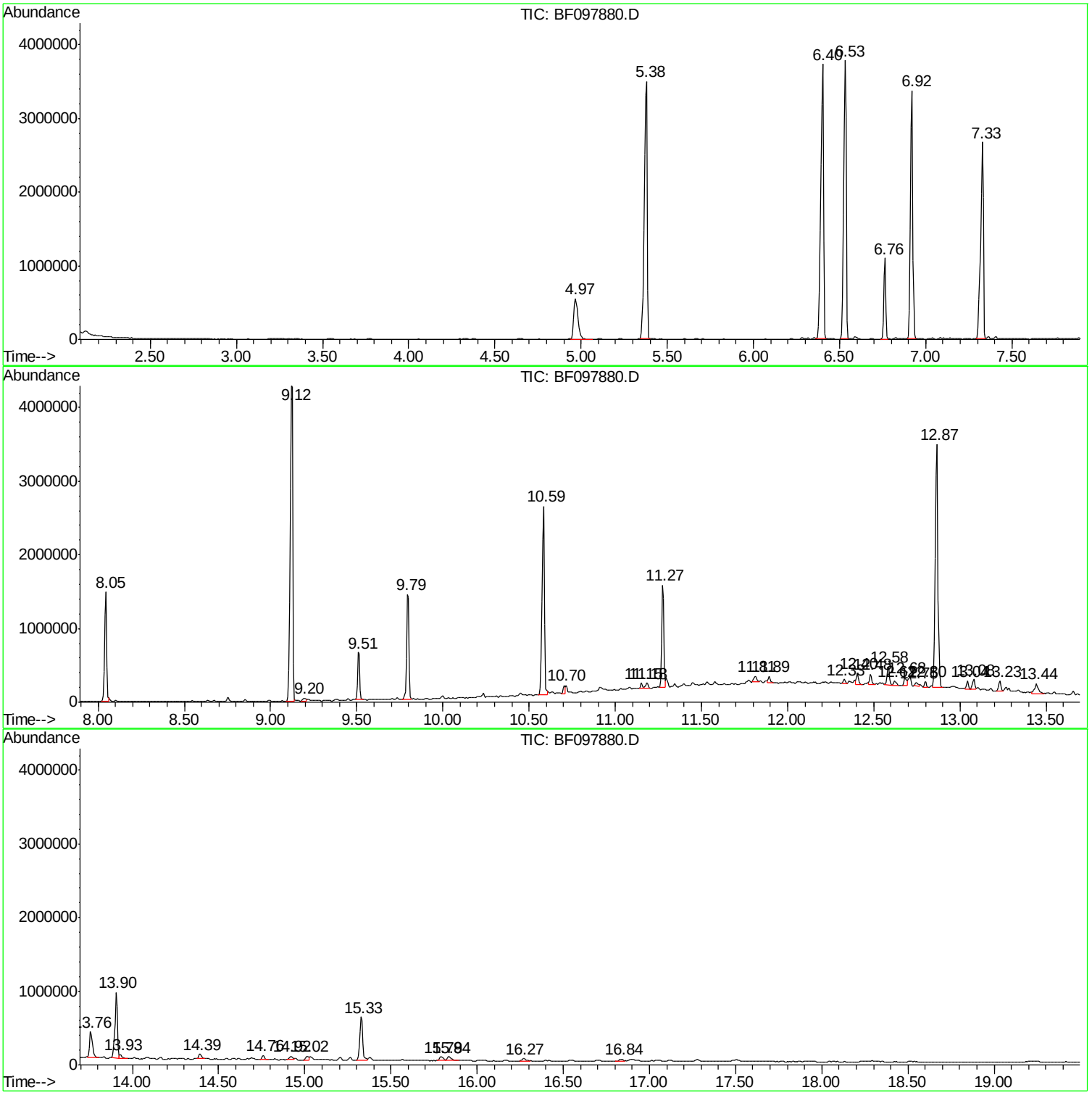
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

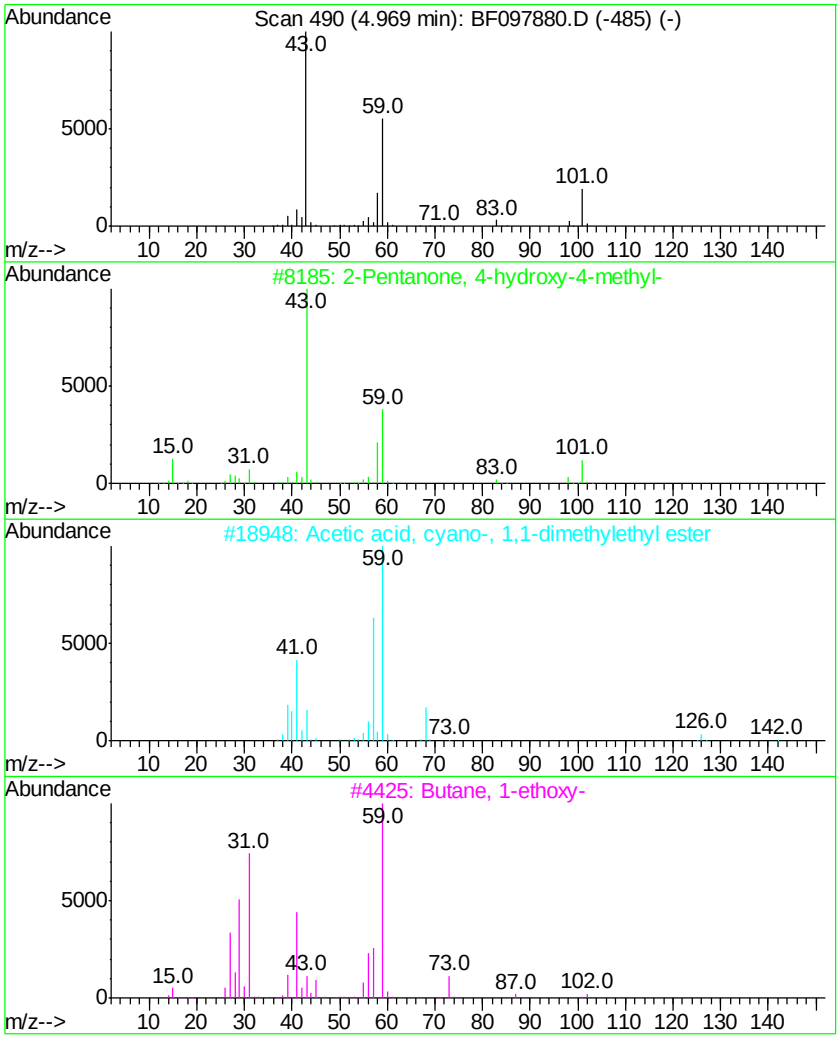
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

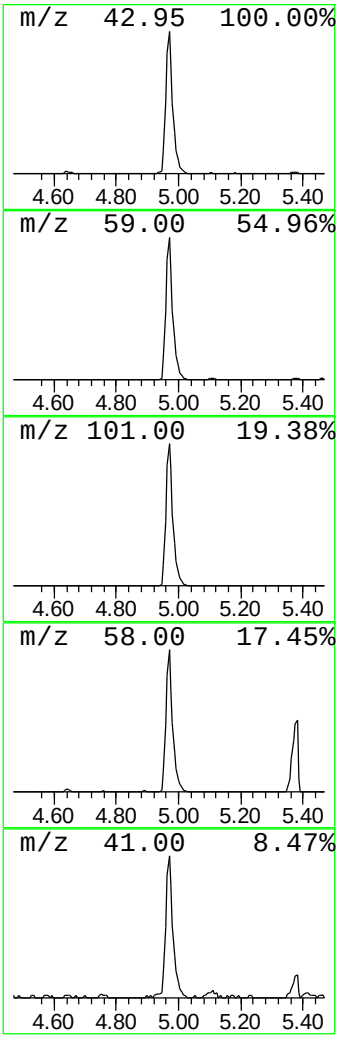
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	18.83 ng	867250	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

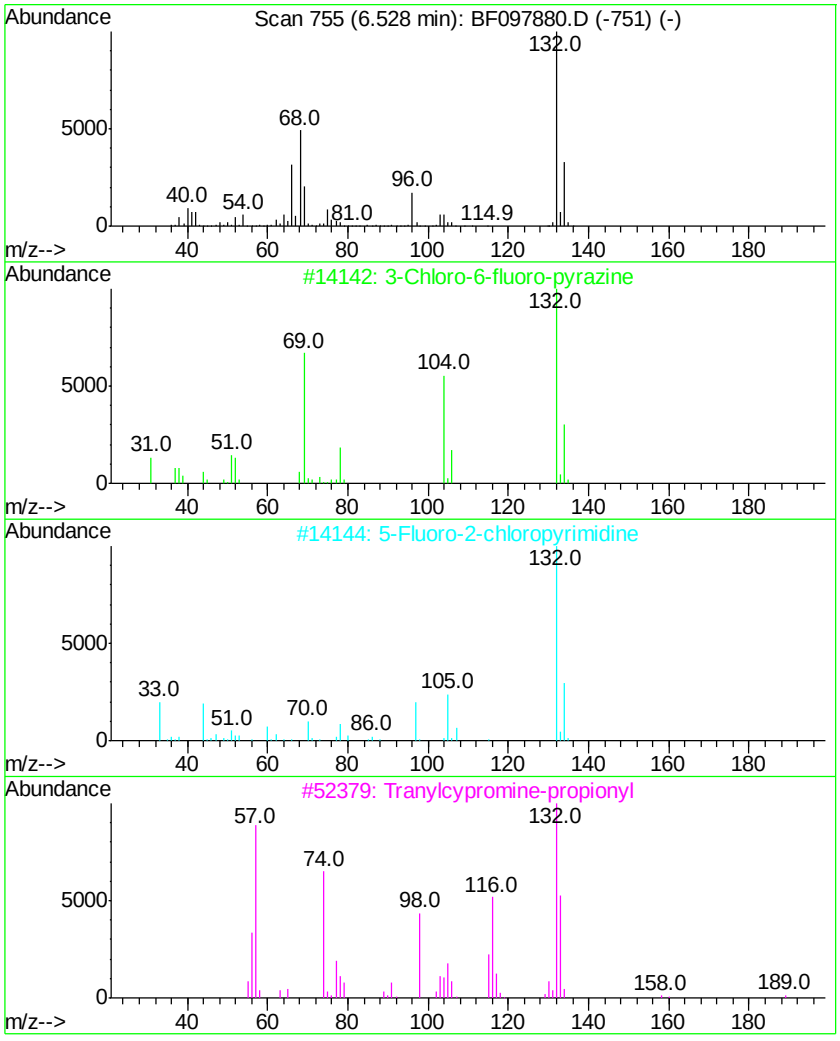
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

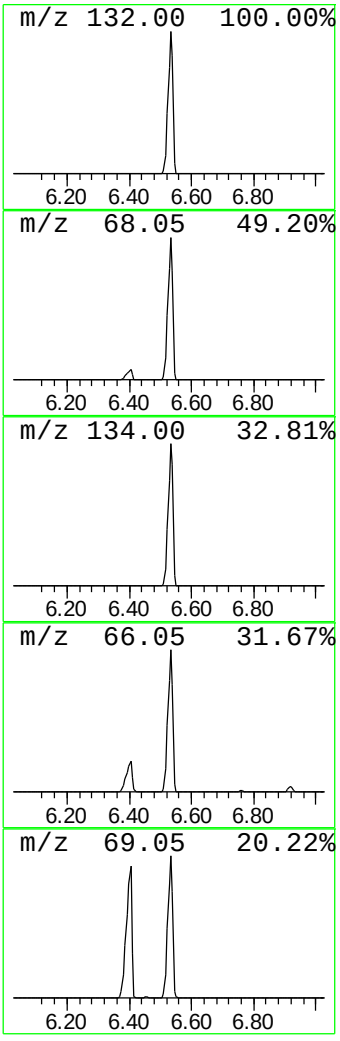
****

Peak Number 2 unknown6.53 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	93.67 ng	4313080	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

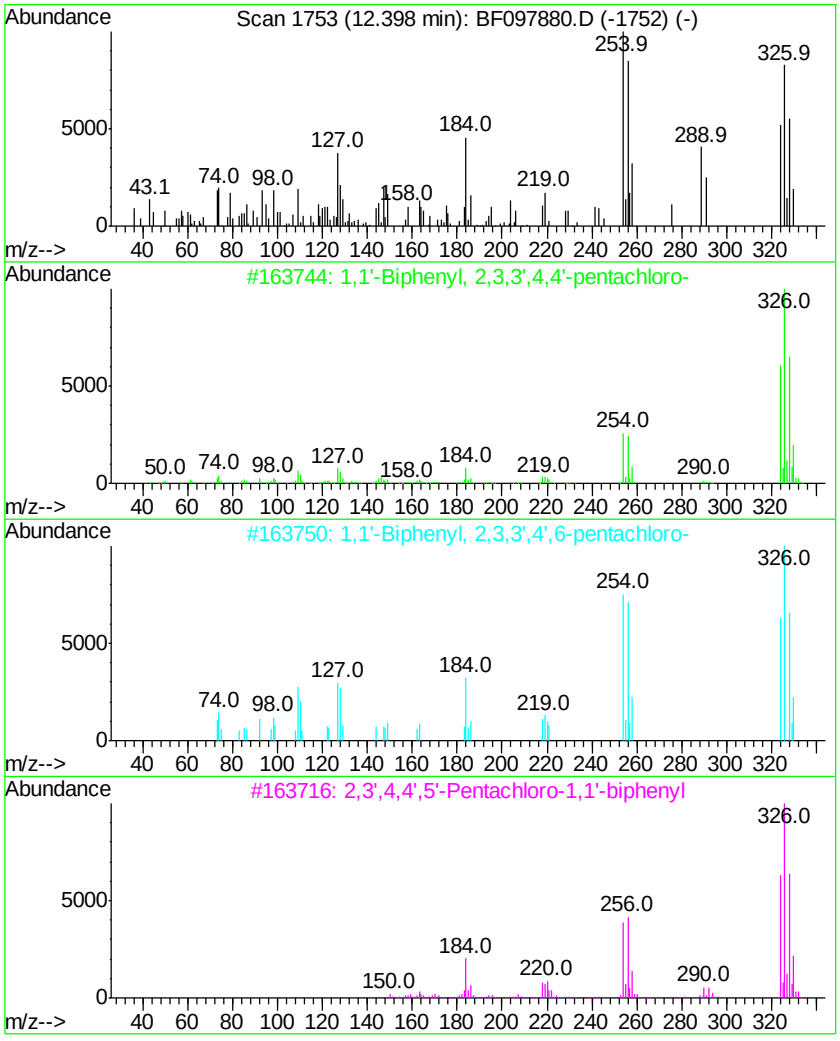
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

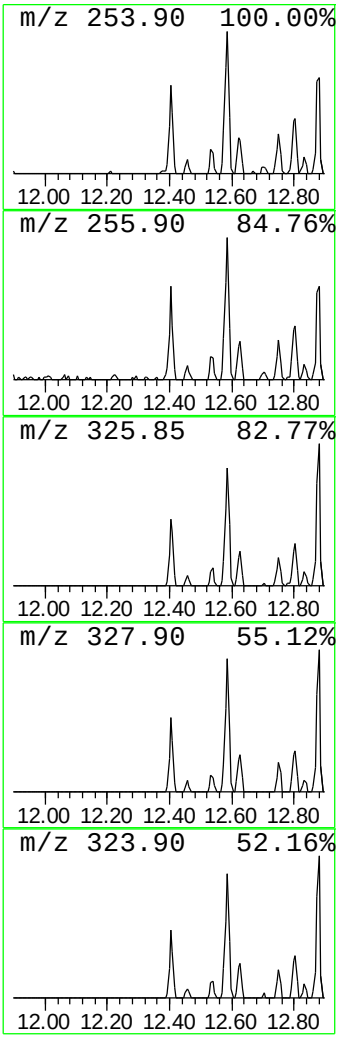
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.13 ng	135349	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	98
3	2,3',4,4',5'-Pentachloro-1,1'-bi...	324	C12H5Cl5	065510-44-3	98
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	97
5	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	97





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Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

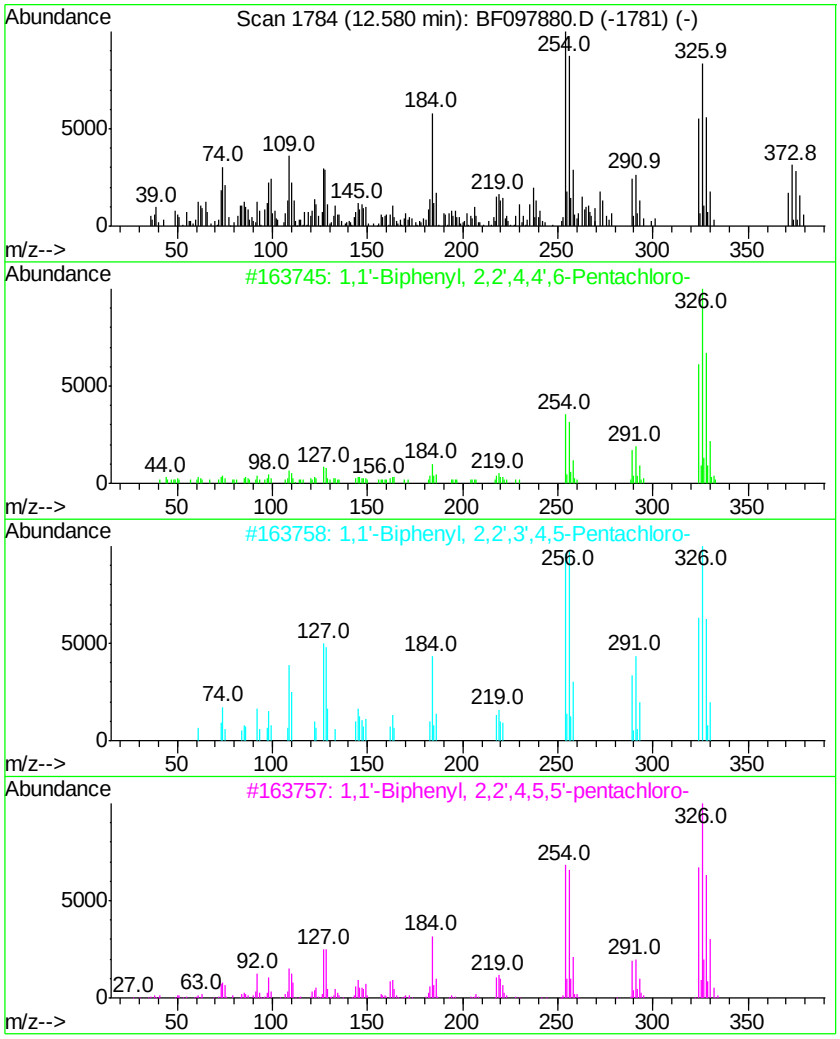
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

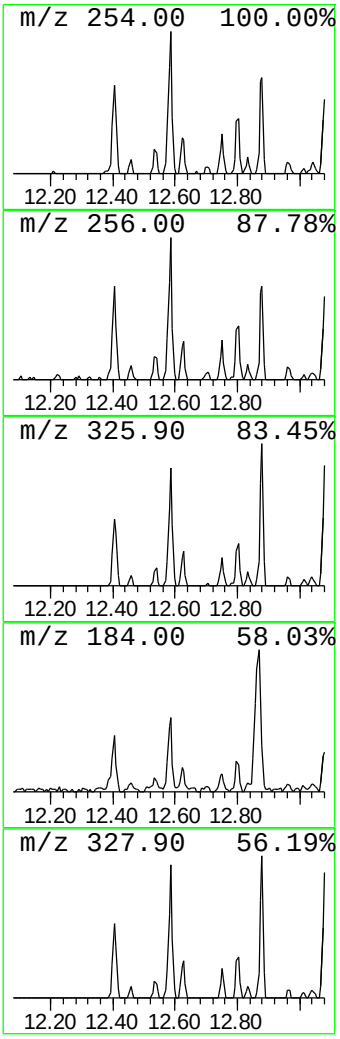
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	4.18 ng	265806	Phenanthrene-d10	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
4	2,2',3,4,4'-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	99
5	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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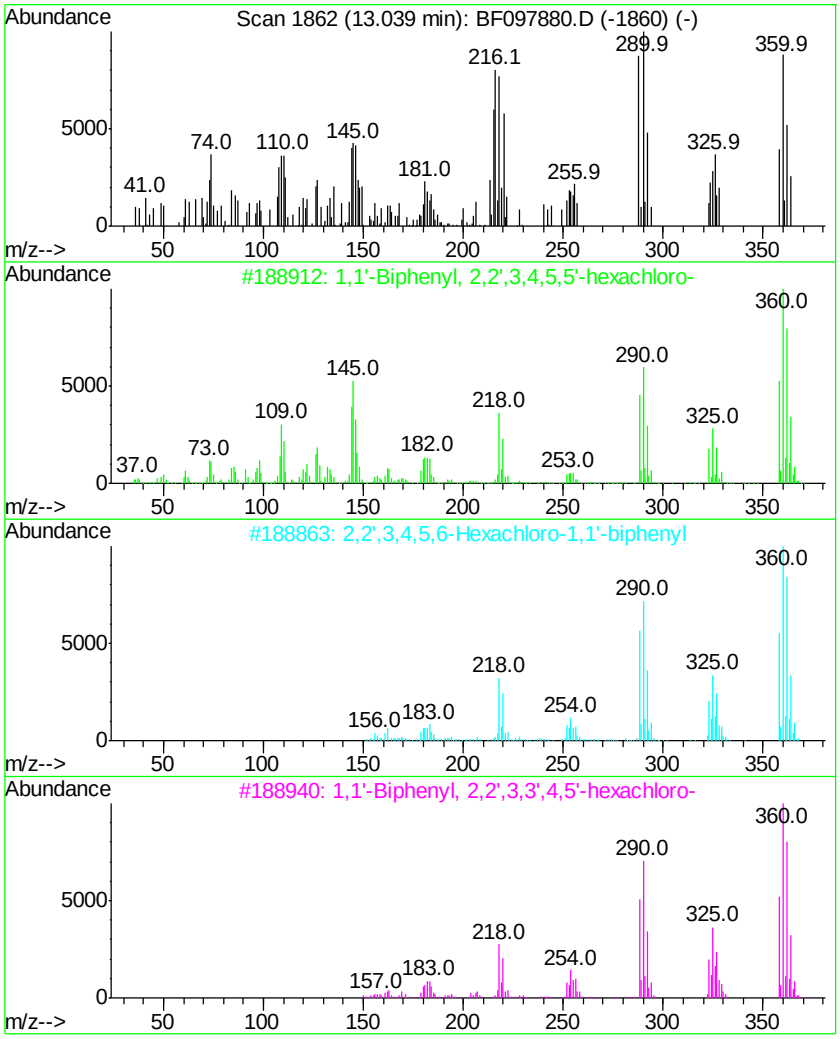
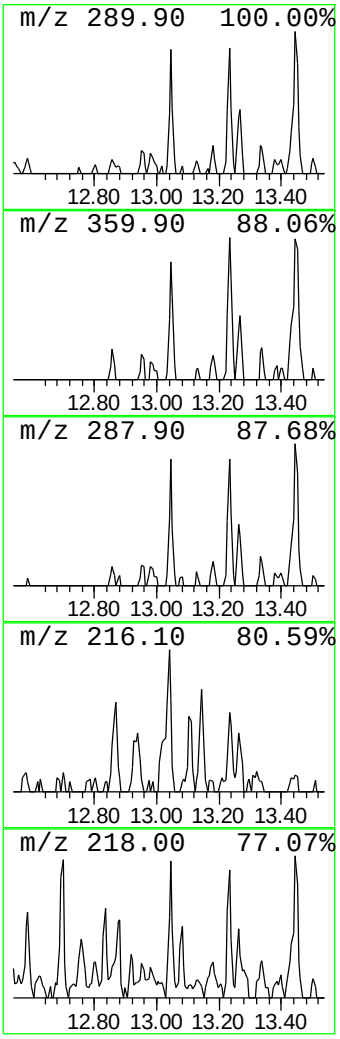
Peak Number 6 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.21 ng	93965	Chrysene-d12	13.90

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	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
3	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
4	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
5	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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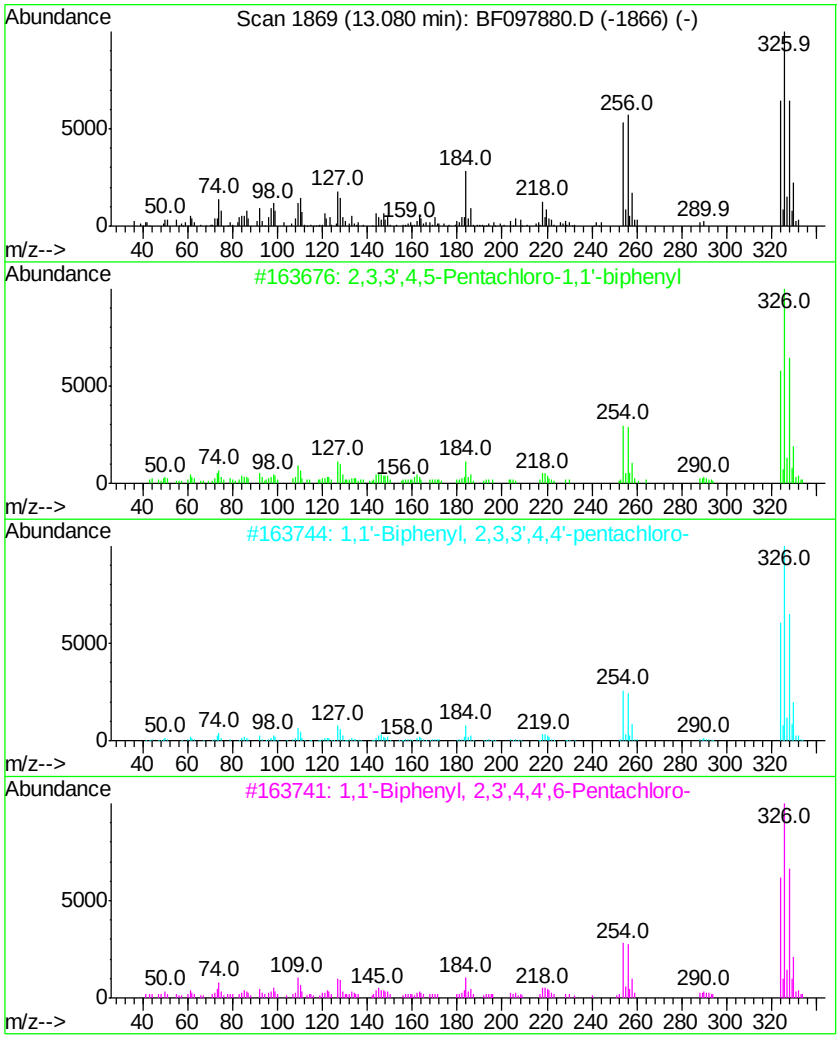
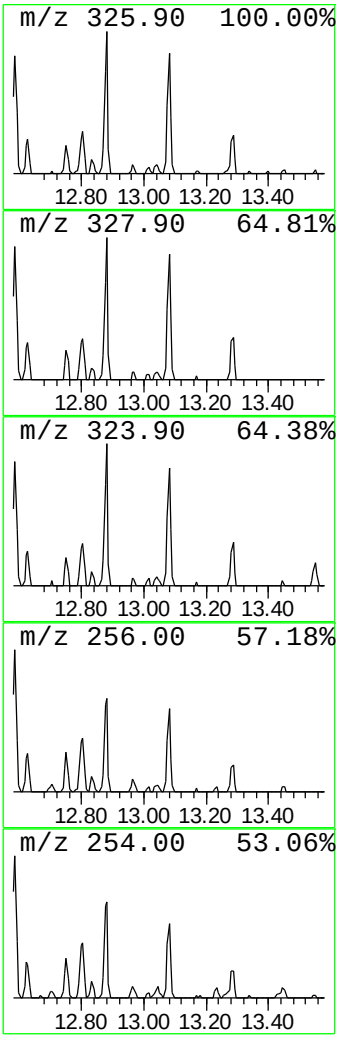
Peak Number 7 2,3,3',4,5-Pentachloro-1,1'... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.84 ng	120910	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	99
4	2,3,3',5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-32-0	99
5	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	99





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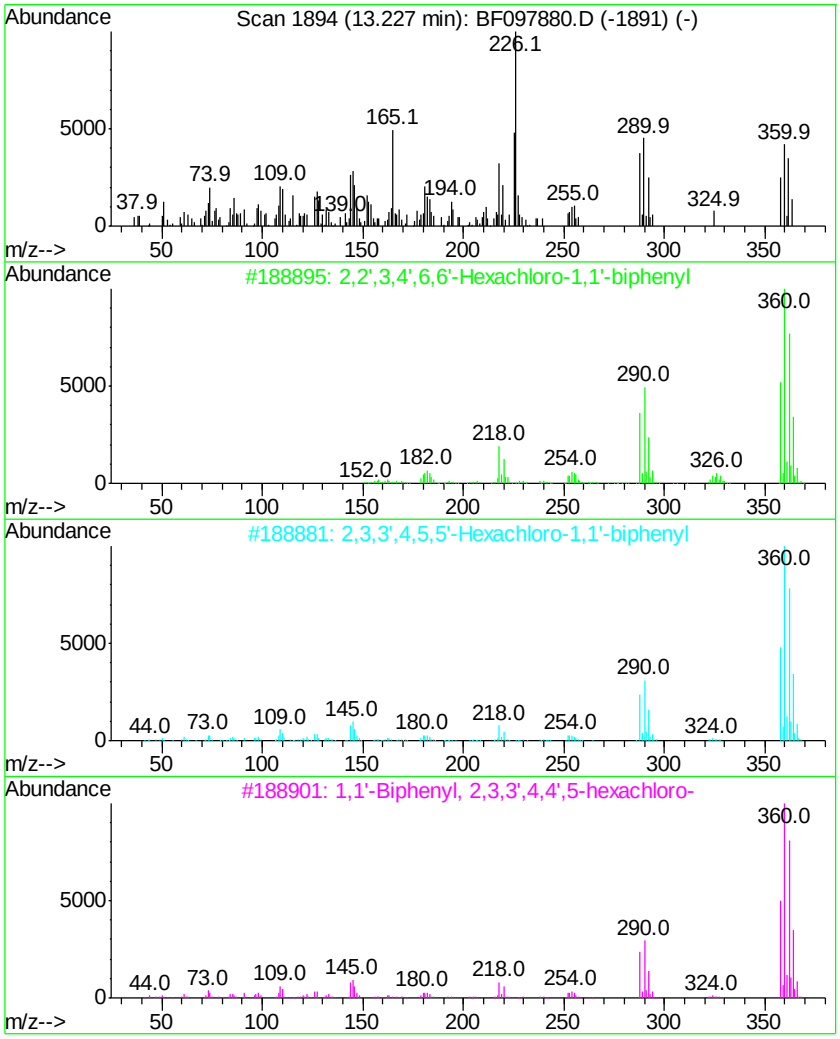
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

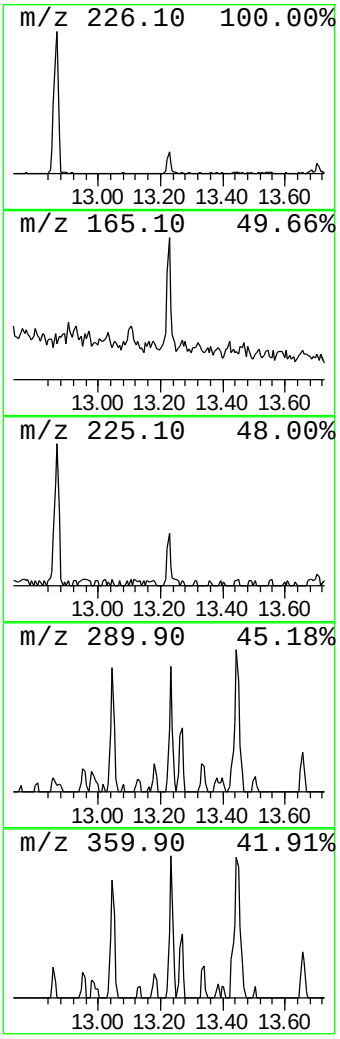
****

Peak Number 8 2,2',3,4',6,6'-Hexachloro-1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	3.12 ng	132749	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99
2	2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
3	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4	2,2',3,4,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-40-5	99
5	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99





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Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

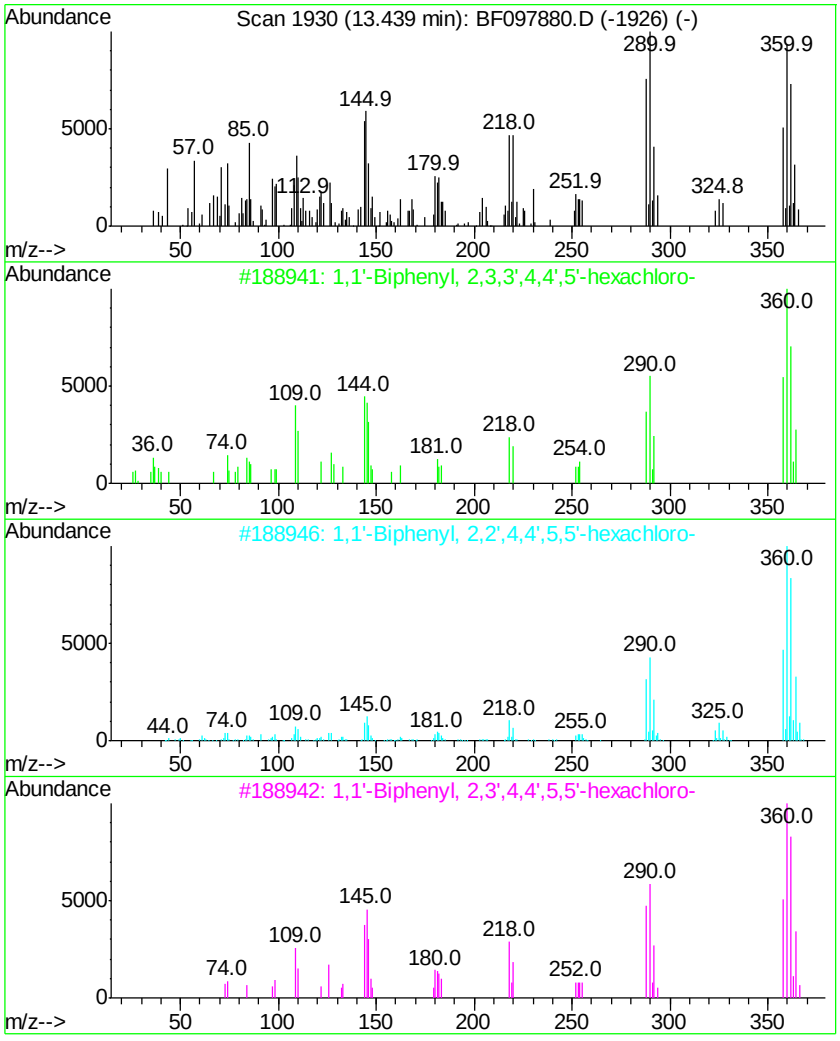
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

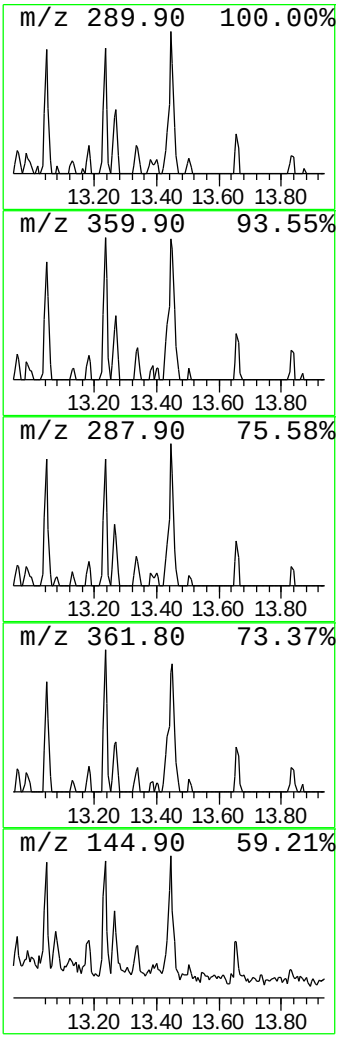
****

Peak Number 9 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	4.51 ng	191765	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
2	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
3	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

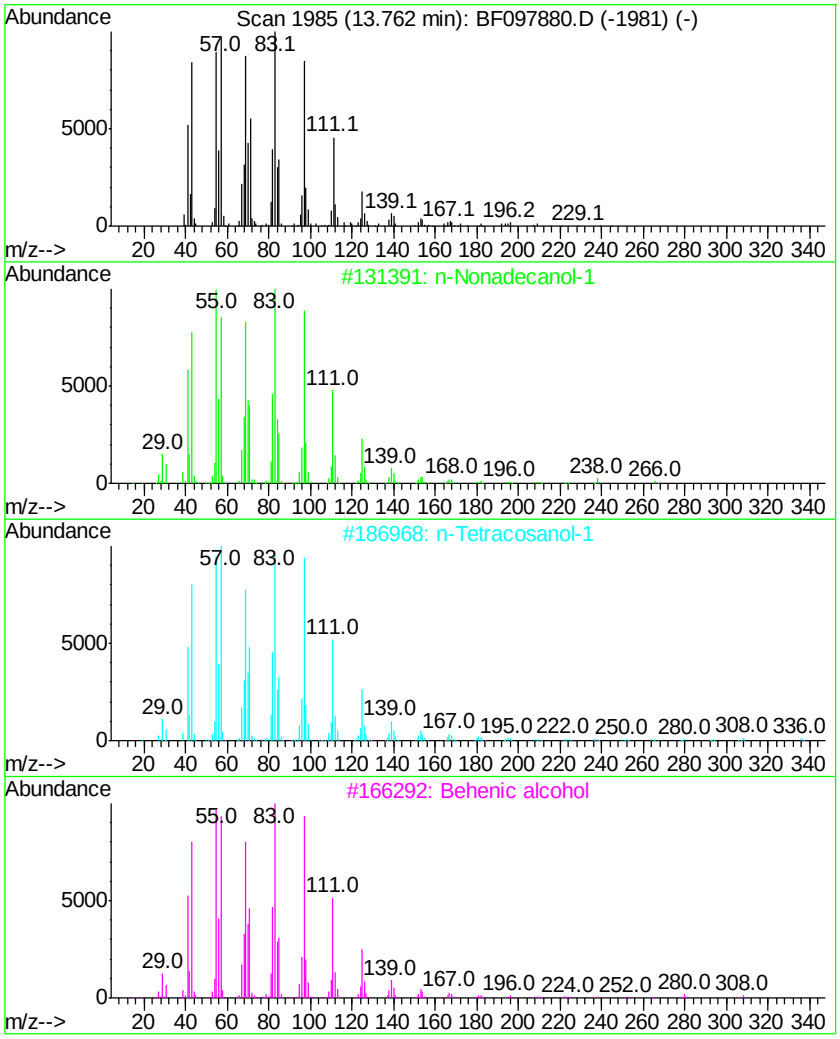
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

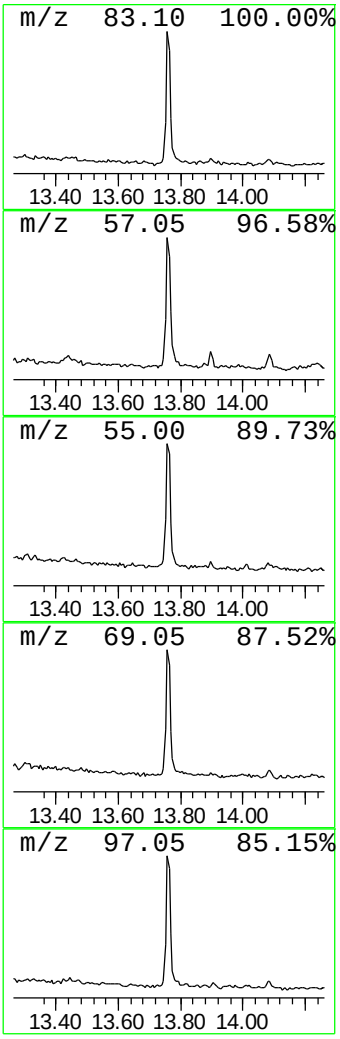
****

Peak Number 10 n-Nonadecanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.84 ng	376062	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	91
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91
5	1-Nonadecene	266	C19H38	018435-45-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

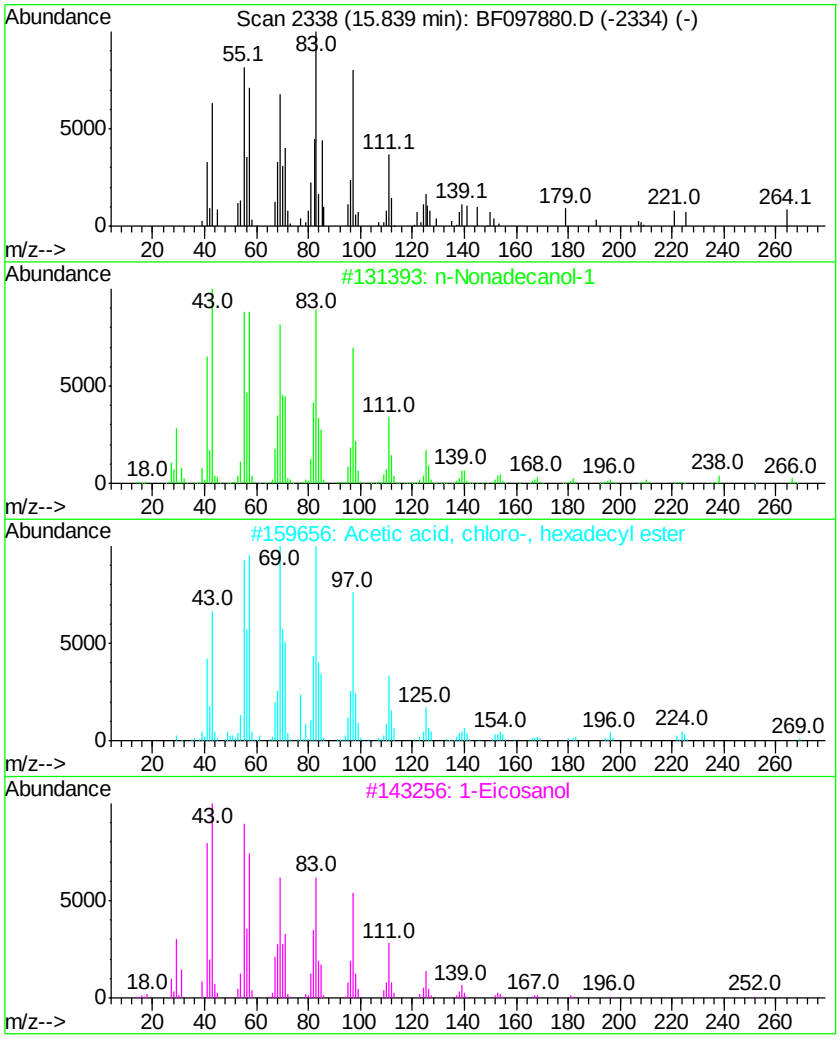
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

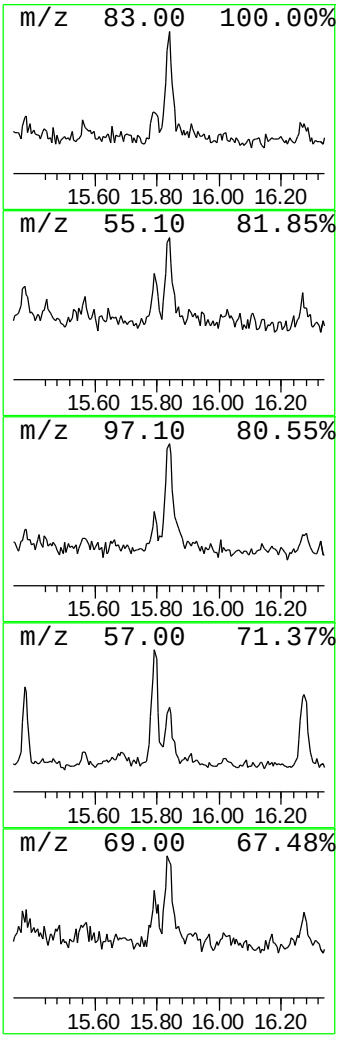
****

Peak Number 11 Acetic acid, chloro-, hexad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	2.29 ng	85286	Perylene-d12	15.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	80
2	Acetic acid, chloro-, hexadecyl ...	318	C18H35ClO2	052132-58-8	80
3	1-Eicosanol	298	C20H42O	000629-96-9	80
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	64
5	Isoheptadecanol	256	C17H36O	057289-07-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PI-1(3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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...	4.97	18.8	ng	867250	1	6.76	920934	20.0
unknown6.53	6.53	93.7	ng	4313080	1	6.76	920934	20.0
1,1'-Biphenyl, 2,...	12.40	2.1	ng	135349	4	11.27	1273270	20.0
1,1'-Biphenyl, 2,...	12.58	4.2	ng	265806	4	11.27	1273270	20.0
1,1'-Biphenyl, 2,...	13.04	2.2	ng	93965	5	13.90	850885	20.0
2,3,3',4,5-Pentac...	13.08	2.8	ng	120910	5	13.90	850885	20.0
2,2',3,4',6,6'-He...	13.23	3.1	ng	132749	5	13.90	850885	20.0
1,1'-Biphenyl, 2,...	13.44	4.5	ng	191765	5	13.90	850885	20.0
n-Nonadecanol-1	13.76	8.8	ng	376062	5	13.90	850885	20.0
Acetic acid, chlo...	15.84	2.3	ng	85286	6	15.33	744953	20.0