LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

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_M\METHODS\8270-BM072617.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	5.028	357	364	372	rBV	3191084	4269564	9.90%	0.690%
2	6.587	620	629	643	rVB2	3287160	6654576	15.43%	1.076%
3	6.934	680	688	697	rBV	3132028	4807015	11.15%	0.777%
4	7.392	759	766	774	rVB	1165773	1809256	4.20%	0.292%
5	7.704	813	819	828	rVB	2558131	3891947	9.02%	0.629%
6	7.845	835	843	850	rBV	4085575	6334115	14.69%	1.024%
7	7.928	850	857	863	rVB3	834261	2023261	4.69%	0.327%
8	8.210	896	905	915	rBV	4767919	7711691	17.88%	1.246%
9	8.451	938	946	954	rVB	2912470	4573400	10.60%	0.739%
10	8.539	954	961	965	rBV	2114075	3692147	8.56%	0.597%
11	8.586	965	969	977	rVB	3653018	5497827	12.75%	0.889%
12	9.110	1048	1058	1066	rBV	6374198	10217305	23.69%	1.651%
13	9.280	1079	1087	1097	rBV	2049225	3252057	7.54%	0.526%
14	9.810	1170	1177	1185	rBV	980468	1572806	3.65%	0.254%
15	10.151	1227	1235	1239	rBV	1493732	2529892	5.87%	0.409%
16	10.204	1239	1244	1251	rVB	2501918	4000969	9.28%	0.647%
17	10.492	1285	1293	1300	rVB	4729840	7271485	16.86%	1.175%
18	11.463	1446	1458	1470	rBV	9521968	15175900	35.19%	2.453%
19	11.833	1511	1521	1527	rBV	10751167	17015238	39.46%	2.750%
20	12.463	1620	1628	1639	rBV	11104343	16299502	37.80%	2.634%
21	12.657	1654	1661	1668	rVB	6211549	8996905	20.86%	1.454%
22	12.904	1695	1703	1710	rBV	1228491	1895550	4.40%	0.306%
23	13.539	1801	1811	1818	rBV	17137011	28061035	65.07%	4.535%
24	13.657	1823	1831	1836	rBV	13297994	18838750	43.68%	3.045%
25	13.768	1843	1850	1857	rVB	4955760	7122900	16.52%	1.151%
26	14.051	1891	1898	1904	rBV2	2235045	3385247	7.85%	0.547%
27	14.121	1904	1910	1916	rVB	12542178	17412562	40.38%	2.814%
28	14.298	1932	1940	1948	rBV	3071617	4518184	10.48%	0.730%
29	14.457	1958	1967	1974	rBV2	23586343	43125639	100.00%	6.970%
30	14.910	2036	2044	2048	rBV	4521740	5856487	13.58%	0.947%
31	15.115	2072	2079	2085	rBV	20174973	27511529	63.79%	4.447%
32	15.357	2111	2120	2126	rBV2	338472	581321	1.35%	0.094%
33	15.551	2146	2153	2160	rBV	7919477	10708149	24.83%	1.731%
34	15.804	2185	2196	2211	rBV3	312164	837937	1.94%	0.135%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

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_M\METHODS\8270-BM072617.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	16.121	2241	2250	2256	rBV	22293623	30302420	70.27%	4.898%
36	16.462	2305	2308	2315	rVB	619514	864808	2.01%	0.140%
37	16.809	2361	2367	2370	rBV	2719088	4112988	9.54%	0.665%
38	16.856	2370	2375	2383	rVV2	29139260	40310583	93.47%	6.515%
39	16.951	2383	2391	2398	rVV	26865808	37028639	85.86%	5.985%
40	17.739	2519	2525	2534	rBV	1286877	1764576	4.09%	0.285%
41	18.233	2602	2609	2614	rBV	1067456	1490046	3.46%	0.241%
42	18.892	2713	2721	2738	rBV	28923888	40318240	93.49%	6.516%
43	19.033	2740	2745	2751	rBV	485062	592760	1.37%	0.096%
44	19.250	2773	2782	2788	rBV	19956764	27379927	63.49%	4.425%
45	19.468	2813	2819	2828	rVB	15923650	20122772	46.66%	3.252%
46	20.186	2936	2941	2946	rBV	7065834	7951152	18.44%	1.285%
47	20.774	3036	3041	3048	rBV2	641619	971385	2.25%	0.157%
48	20.974	3070	3075	3078	rBV	5562292	6027184	13.98%	0.974%
49	21.015	3078	3082	3087	rVV2	7093888	12488998	28.96%	2.019%
50	21.062	3087	3090	3100	rVB	7988884	9403656	21.81%	1.520%
51	22.527	3331	3339	3343	rBV	17356527	30840197	71.51%	4.985%
52	22.574	3343	3347	3354	rVB	21544887	30449866	70.61%	4.921%
53	23.138	3437	3443	3450	rVB	2095296	3574200	8.29%	0.578%
54	25.844	3895	3903	3915	rVB2	1892211	5264952	12.21%	0.851%

Sum of corrected areas: 618711497

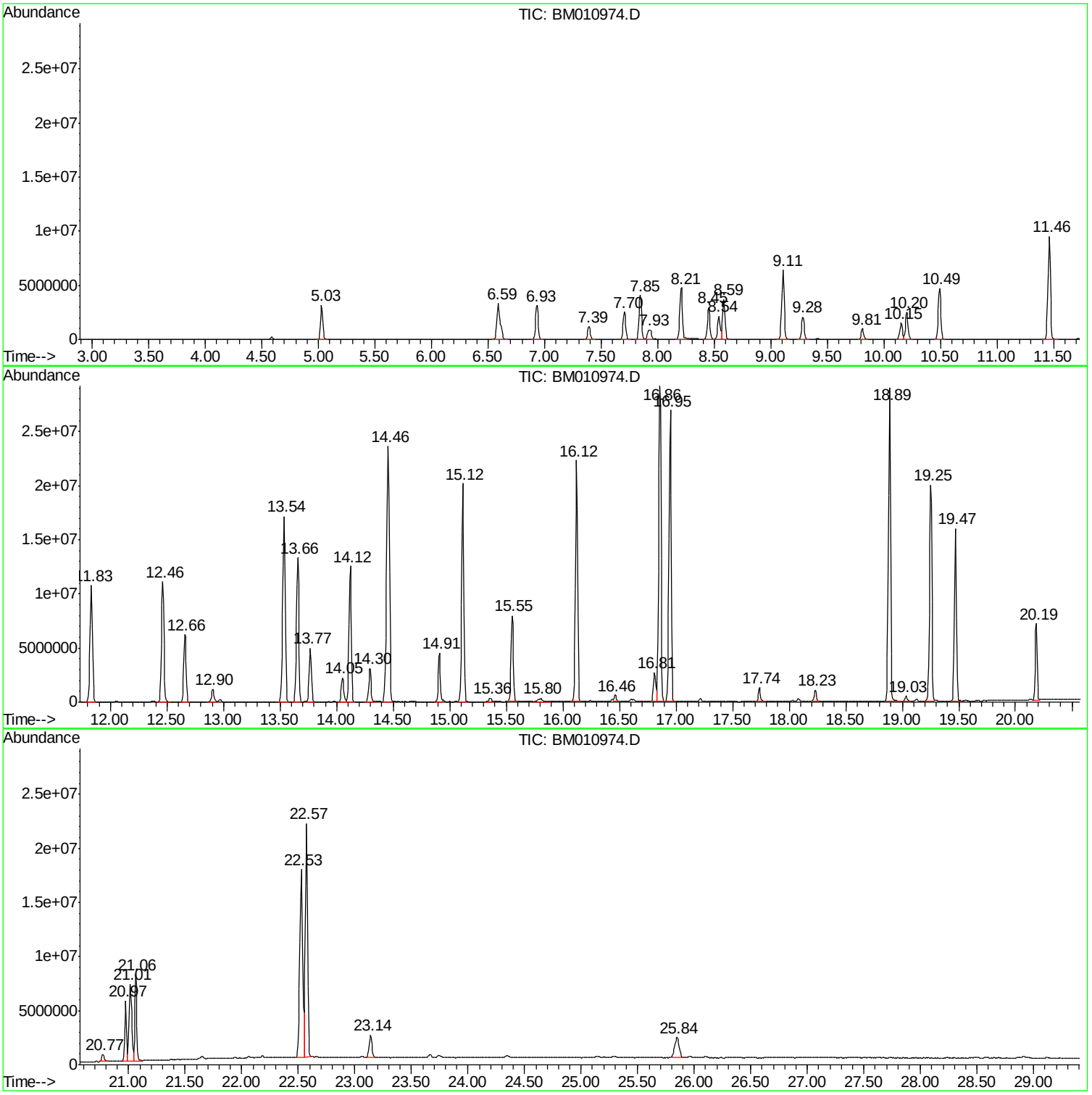
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

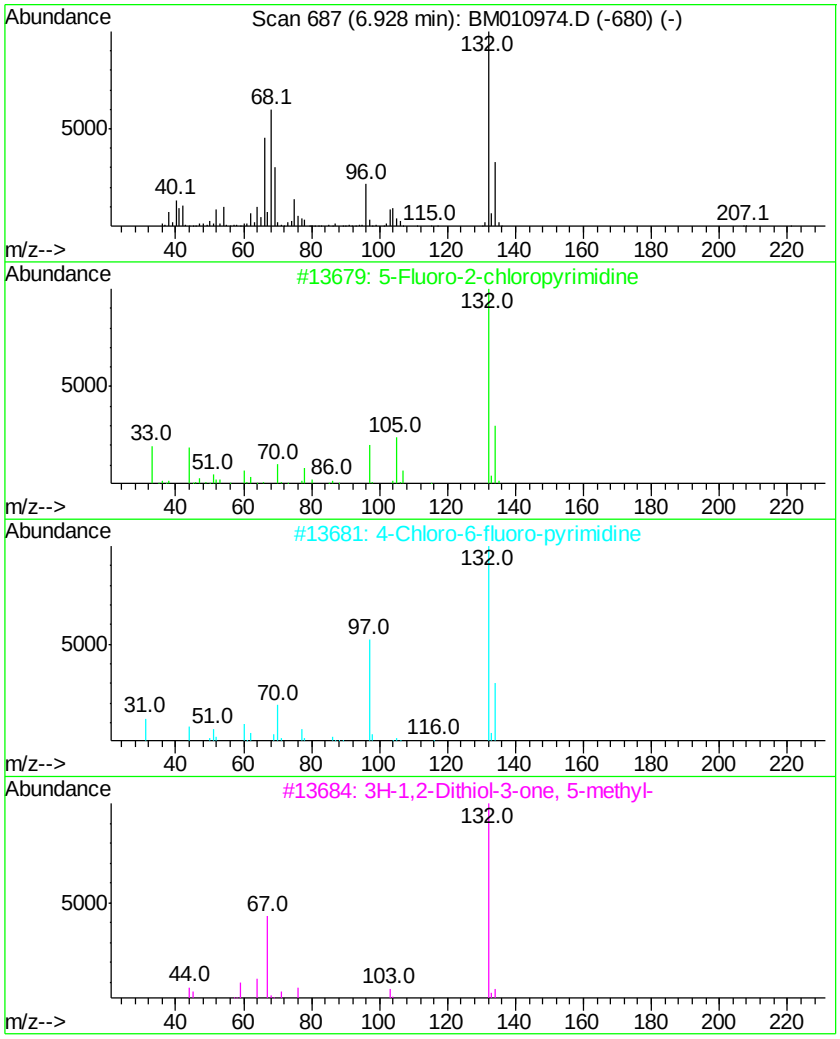
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

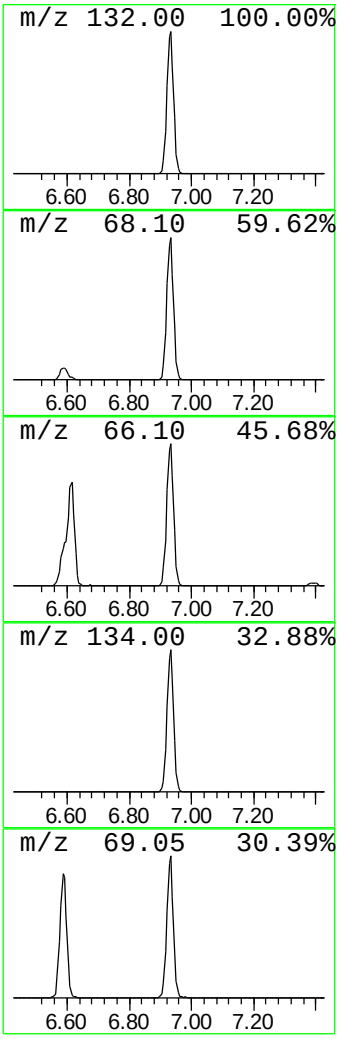
****

Peak Number 1 unknown6.93 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	53.14 ng	4807020	1,4-Dichlorobenzene-d4	7.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
3	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	14
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

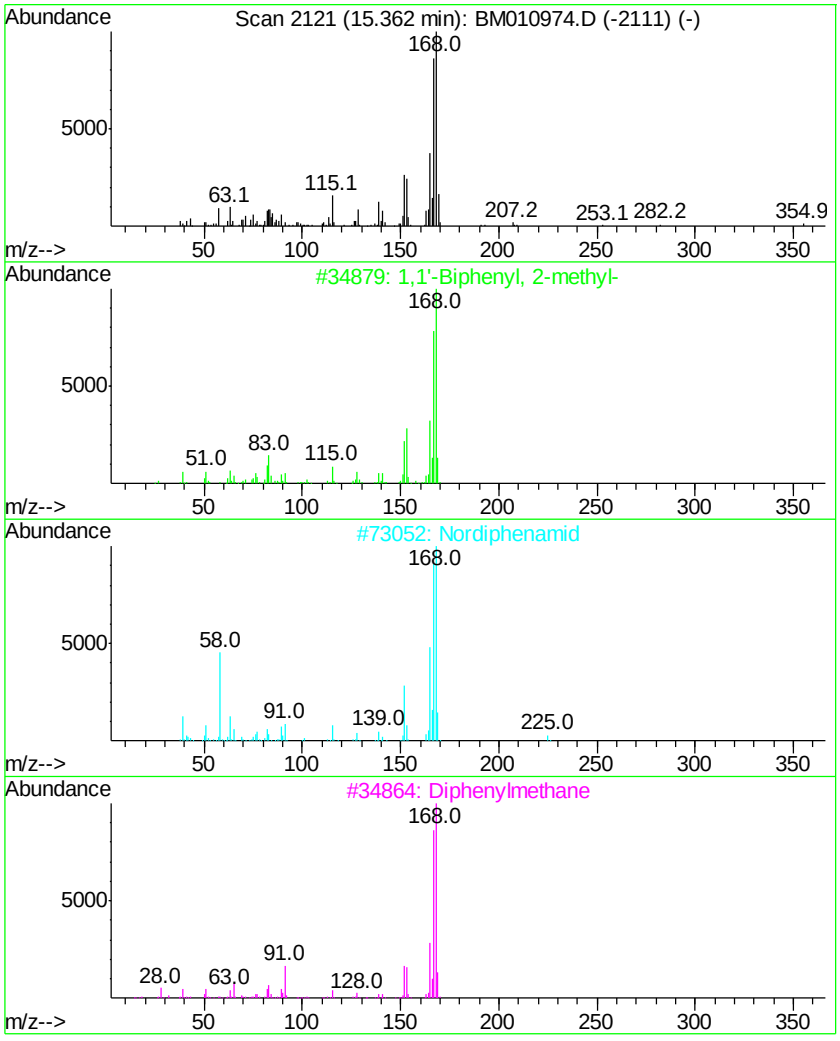
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

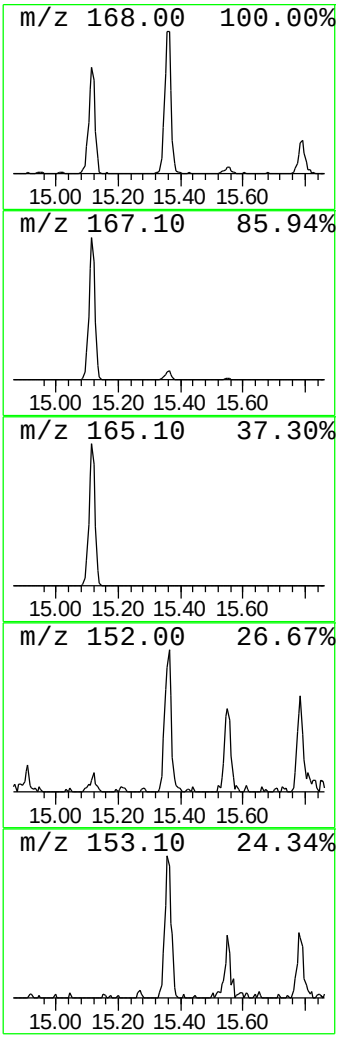
****

Peak Number 3 1,1'-Biphenyl, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	3.43 ng	581321	Acenaphthene-d10	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	95
2	Nordiphenamid	225	C15H15NO	000954-21-2	86
3	Diphenylmethane	168	C13H12	000101-81-5	81
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	76
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	76





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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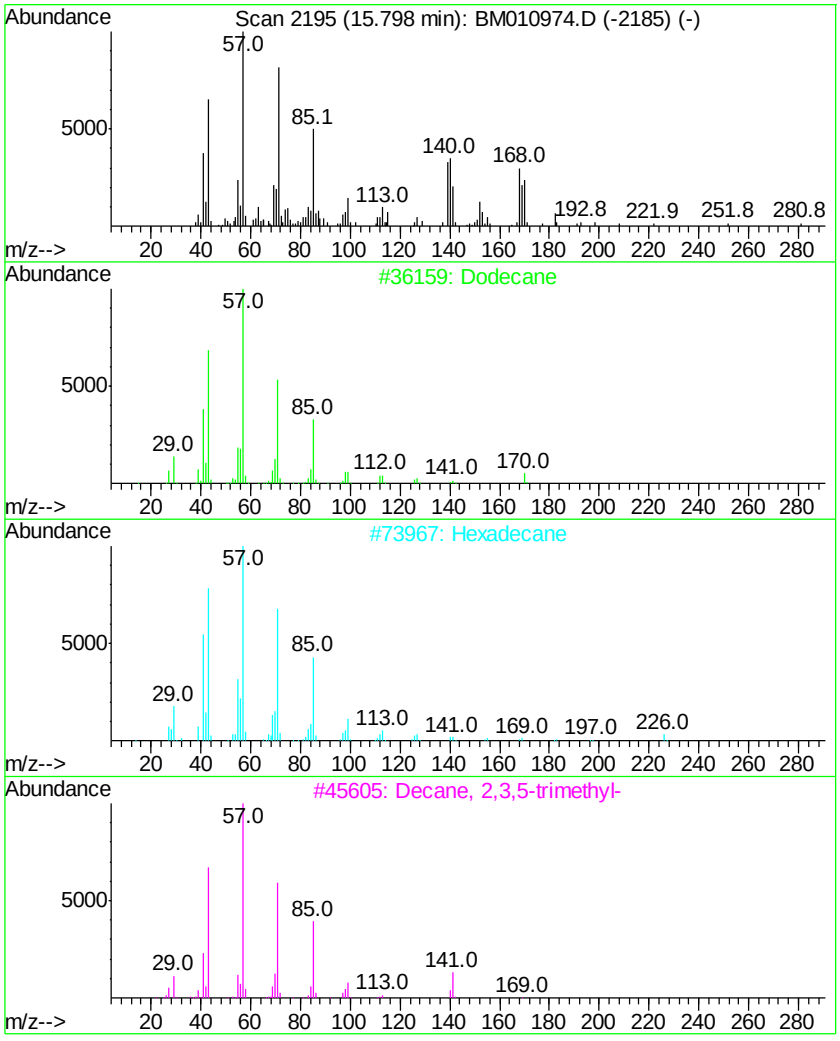
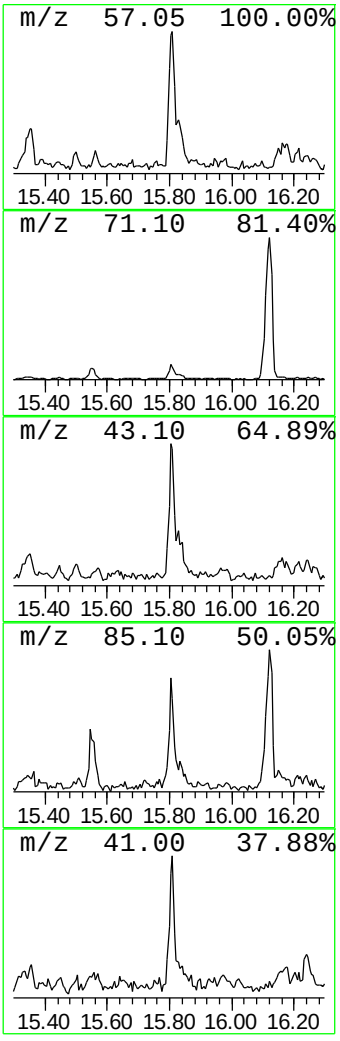
****

Peak Number 4 Dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	4.07 ng	837937	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	74
2	Hexadecane	226	C16H34	000544-76-3	72
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
5	Eicosane	282	C20H42	000112-95-8	68





Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
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Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

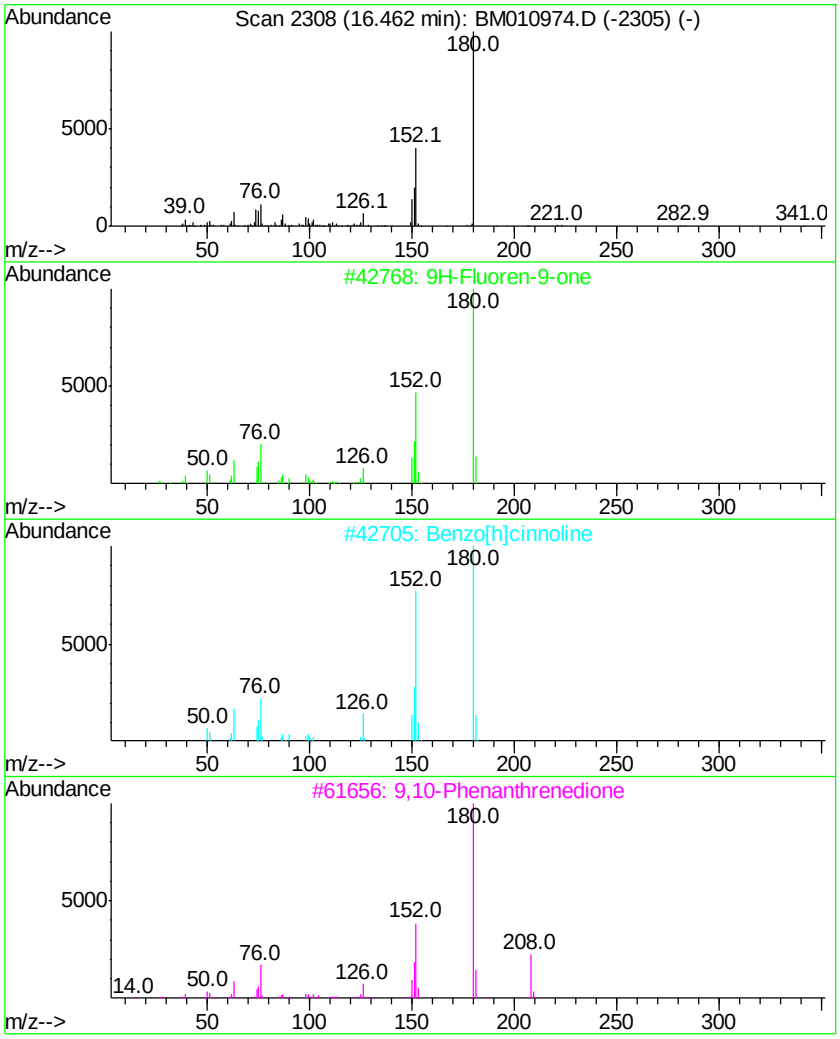
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

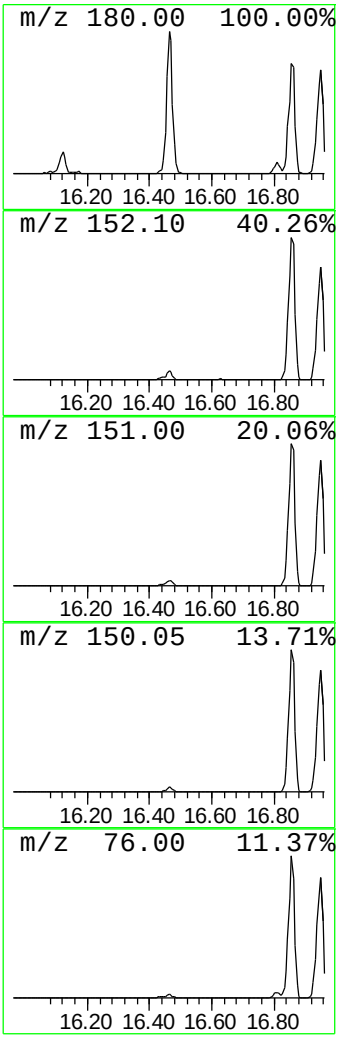
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.21 ng	864808	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	2,4-Diazaphenanthrene	180	C12H8N2	000230-28-4	25





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Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

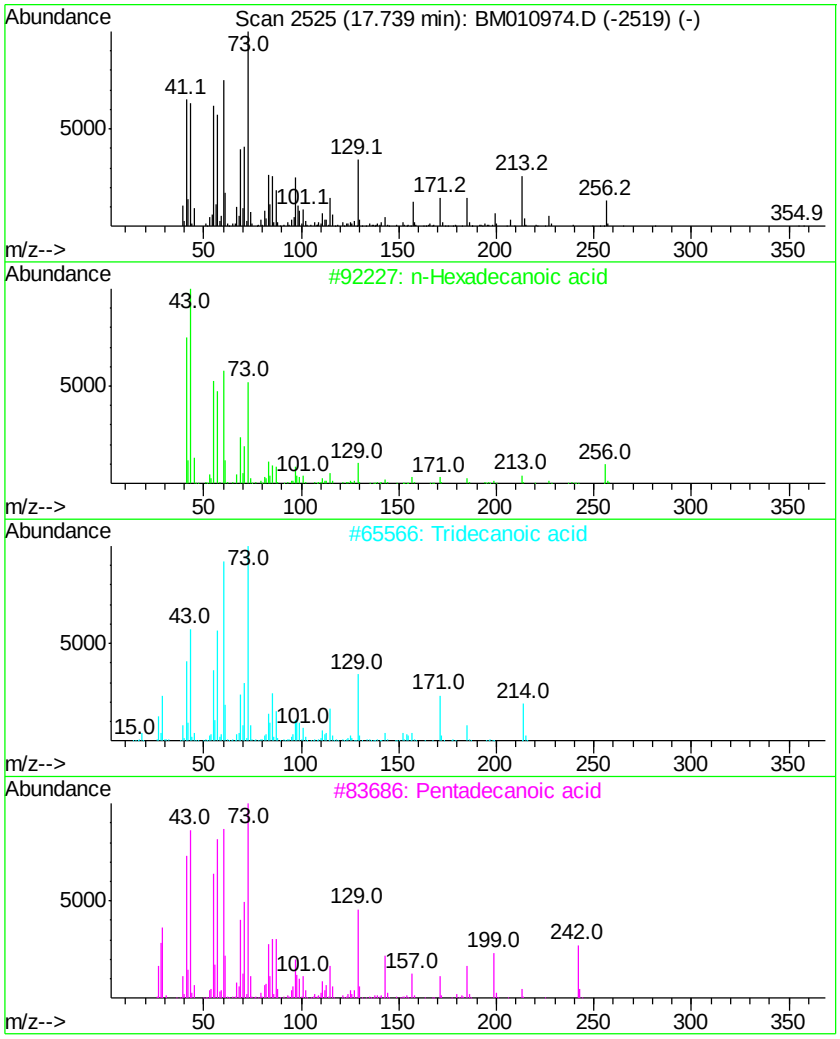
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

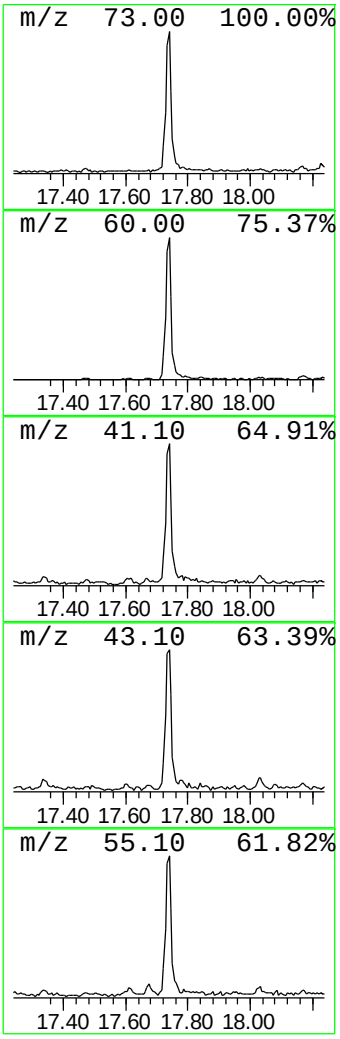
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	8.58 ng	1764580	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Nonanoic acid	158	C9H18O2	000112-05-0	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072617\
Data File : BM010974.D
Acq On : 26 Jul 2017 17:14
Operator : SJ/JU
Sample : I4351-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

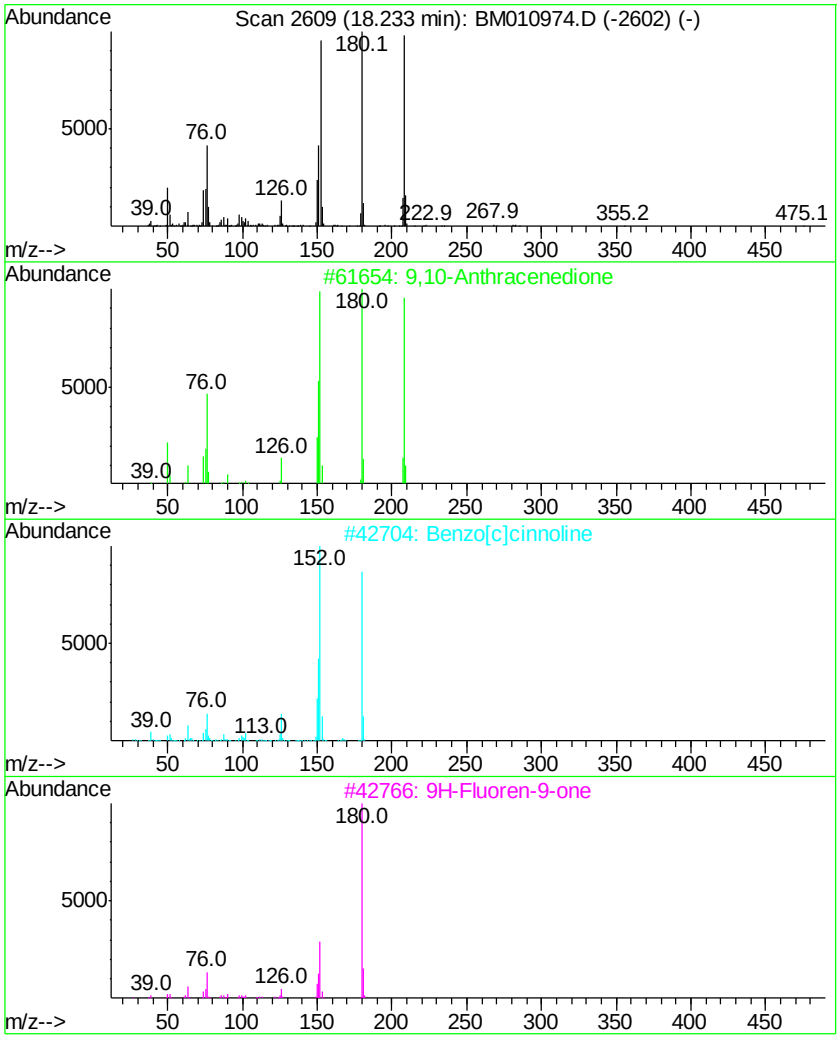
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

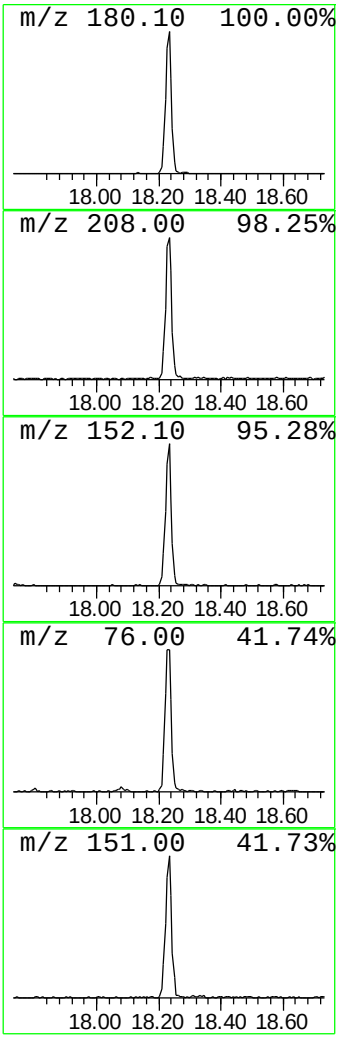
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	7.25 ng	1490050	Phenanthrene-d10	16.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072617\
Data File : BM010974.D
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Sample : I4351-01
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Instrument : BNA_M
ClientSampleId : 0524

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown6.93	6.93	53.1	ng	4807020	1	7.39	1809260	20.0
1,1'-Biphenyl, 2-...	15.36	3.4	ng	581321	3	14.05	3385250	20.0
Dodecane	15.80	4.1	ng	837937	4	16.81	4112990	20.0
9H-Fluoren-9-one	16.46	4.2	ng	864808	4	16.81	4112990	20.0
n-Hexadecanoic acid	17.74	8.6	ng	1764580	4	16.81	4112990	20.0
9,10-Anthracenedione	18.23	7.3	ng	1490050	4	16.81	4112990	20.0