LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085494.D
Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

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-BF031516.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	3.156	73	76	79	rBV3	18932	40964	3.88%	0.354%
2	3.304	88	89	90	rVV3	200491	139883	13.27%	1.210%
3	4.173	160	165	166	rBV	23533	50191	4.76%	0.434%
4	4.310	174	177	180	rVV3	57369	125840	11.93%	1.088%
5	4.413	180	186	189	rVV4	56884	175916	16.68%	1.522%
6	4.470	189	191	194	rVV	23007	44474	4.22%	0.385%
7	4.561	196	199	203	rVB4	16601	41010	3.89%	0.355%
8	4.744	212	215	217	rBV3	18368	35103	3.33%	0.304%
9	4.870	223	226	229	rVV4	16603	43409	4.12%	0.375%
10	5.076	243	244	247	rVV2	49655	79631	7.55%	0.689%
11	5.259	257	260	261	rVV2	41562	53926	5.11%	0.466%
12	5.316	263	265	269	rVV2	36040	72634	6.89%	0.628%
13	5.419	273	274	276	rVV2	30307	40018	3.80%	0.346%
14	5.453	276	277	278	rVV	43761	35870	3.40%	0.310%
15	5.476	278	279	282	rVV	44287	68781	6.52%	0.595%
16	5.533	282	284	285	rVV	39357	51713	4.90%	0.447%
17	5.716	297	300	302	rVV2	17235	37026	3.51%	0.320%
18	5.784	305	306	308	rVV2	18731	34501	3.27%	0.298%
19	5.979	320	323	326	rBV2	30238	63110	5.99%	0.546%
20	6.036	326	328	334	rVV3	27083	73109	6.93%	0.632%
21	6.127	334	336	338	rVV	51947	59278	5.62%	0.513%
22	6.184	338	341	342	rVV	18324	36195	3.43%	0.313%
23	6.219	342	344	347	rVV3	35470	49287	4.67%	0.426%
24	6.287	347	350	353	rVV3	58660	122324	11.60%	1.058%
25	6.367	355	357	360	rVV	21740	55247	5.24%	0.478%
26	6.516	369	370	372	rBV	36190	53344	5.06%	0.461%
27	6.596	374	377	378	rVV2	45138	72039	6.83%	0.623%
28	6.619	378	379	381	rVV2	44311	80170	7.60%	0.693%
29	6.665	381	383	384	rVV	52839	72820	6.91%	0.630%
30	6.699	384	386	388	rVV2	31035	50230	4.76%	0.434%
31	6.756	388	391	392	rVV	30467	49715	4.71%	0.430%
32	6.813	392	396	400	rVV2	36443	114723	10.88%	0.992%
33	6.893	402	403	405	rVV	555168	766987	72.74%	6.634%
34	6.950	405	408	411	rVV2	32022	85219	8.08%	0.737%

LSC Area Percent Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

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-BF031516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.030	413	415	416	rVV	167484	139924	13.27%	1.210%
36	7.053	416	417	419	rVV	39991	48091	4.56%	0.416%
37	7.087	419	420	422	rVV	36404	58854	5.58%	0.509%
38	7.179	425	428	431	rVV	53610	146807	13.92%	1.270%
39	7.236	431	433	435	rVV	20958	43819	4.16%	0.379%
40	7.407	445	448	450	rBV3	56465	57620	5.46%	0.498%
41	7.453	450	452	455	rBV	39531	37888	3.59%	0.328%
42	7.499	455	456	458	rBV	60954	47661	4.52%	0.412%
43	7.739	476	477	481	rBV	31553	48064	4.56%	0.416%
44	7.830	483	485	487	rVV	25804	46518	4.41%	0.402%
45	8.082	505	507	510	rVB2	17292	34545	3.28%	0.299%
46	8.185	514	516	519	rVV	1229447	1054448	100.00%	9.121%
47	8.322	524	528	529	rVV	38348	67204	6.37%	0.581%
48	8.459	538	540	544	rBV2	48028	61929	5.87%	0.536%
49	8.539	546	547	549	rBV2	52760	49886	4.73%	0.431%
50	8.893	576	578	580	rVV	48007	52694	5.00%	0.456%
51	8.928	580	581	582	rVB	250379	171760	16.29%	1.486%
52	9.030	589	590	593	rVV2	46443	78636	7.46%	0.680%
53	9.133	596	599	600	rBV	40455	54717	5.19%	0.473%
54	9.190	600	604	608	rVB	26096	77758	7.37%	0.673%
55	9.259	608	610	617	rBV	73715	123803	11.74%	1.071%
56	9.453	625	627	631	rVB2	62082	85807	8.14%	0.742%
57	9.545	631	635	636	rBV	65484	119867	11.37%	1.037%
58	9.636	640	643	646	rBV2	33130	77723	7.37%	0.672%
59	9.693	646	648	651	rVB2	59699	83268	7.90%	0.720%
60	9.739	651	652	655	rBV3	29240	53023	5.03%	0.459%
61	9.831	659	660	662	rBV	32146	40440	3.84%	0.350%
62	9.865	662	663	668	rVB3	26428	44565	4.23%	0.385%
63	9.945	668	670	672	rBV	979233	1012252	96.00%	8.756%
64	10.093	680	683	684	rBV2	42822	52156	4.95%	0.451%
65	10.276	698	699	701	rVV2	25154	41454	3.93%	0.359%
66	10.311	701	702	705	rVV3	23704	43769	4.15%	0.379%
67	10.356	705	706	708	rVV2	35414	44071	4.18%	0.381%
68	10.448	711	714	716	rVV3	16313	38306	3.63%	0.331%
69	10.505	716	719	723	rVB4	23948	52931	5.02%	0.458%
70	10.676	731	734	737	rVB4	32011	59184	5.61%	0.512%
71	11.019	761	764	767	rVV2	19006	52116	4.94%	0.451%

LSC Area Percent Report

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Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
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Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.076	767	769	770	rVB	34295	41581	3.94%	0.360%
73	11.294	785	788	790	rVV3	20907	44973	4.27%	0.389%
74	11.419	797	799	805	rVV2	730004	976241	92.58%	8.444%
75	11.511	805	807	810	rVV2	17341	35612	3.38%	0.308%
76	11.625	813	817	819	rBV4	20798	46266	4.39%	0.400%
77	11.854	835	837	839	rBV	97213	93489	8.87%	0.809%
78	12.036	849	853	858	rBV5	17032	47951	4.55%	0.415%
79	12.116	858	860	863	rBV4	30743	41481	3.93%	0.359%
80	12.631	903	905	907	rBV	57125	69999	6.64%	0.605%
81	12.859	921	925	928	rVV	53911	95838	9.09%	0.829%
82	13.008	936	938	939	rVV	46036	47962	4.55%	0.415%
83	13.054	939	942	946	rVV4	12962	49148	4.66%	0.425%
84	13.202	951	955	956	rVV2	16128	36934	3.50%	0.319%
85	13.317	962	965	967	rVB3	86144	102232	9.70%	0.884%
86	13.419	972	974	978	rVB2	16701	35747	3.39%	0.309%
87	13.602	985	990	991	rBV5	19066	43635	4.14%	0.377%
88	13.900	1014	1016	1022	rVB6	24690	62774	5.95%	0.543%
89	14.060	1027	1030	1032	rBV	748393	739736	70.15%	6.398%
90	14.300	1041	1051	1053	rBV2	47604	210697	19.98%	1.822%
91	14.620	1073	1079	1084	rBV	35456	137859	13.07%	1.192%
92	14.905	1102	1104	1110	rVB5	12909	49592	4.70%	0.429%
93	15.088	1118	1120	1123	rBV	17608	37890	3.59%	0.328%
94	15.260	1132	1135	1137	rBV4	24406	38168	3.62%	0.330%
95	15.443	1148	1151	1153	rBV	18139	35402	3.36%	0.306%
96	15.511	1153	1157	1159	rBV	482267	762239	72.29%	6.593%
97	17.500	1329	1331	1332	rVB	199817	140793	13.35%	1.218%
98	17.980	1372	1373	1374	rBV	58670	41432	3.93%	0.358%
99	18.220	1392	1394	1399	rVV2	26799	45189	4.29%	0.391%
100	19.100	1469	1471	1473	rBV2	51118	72159	6.84%	0.624%

Sum of corrected areas: 11561264

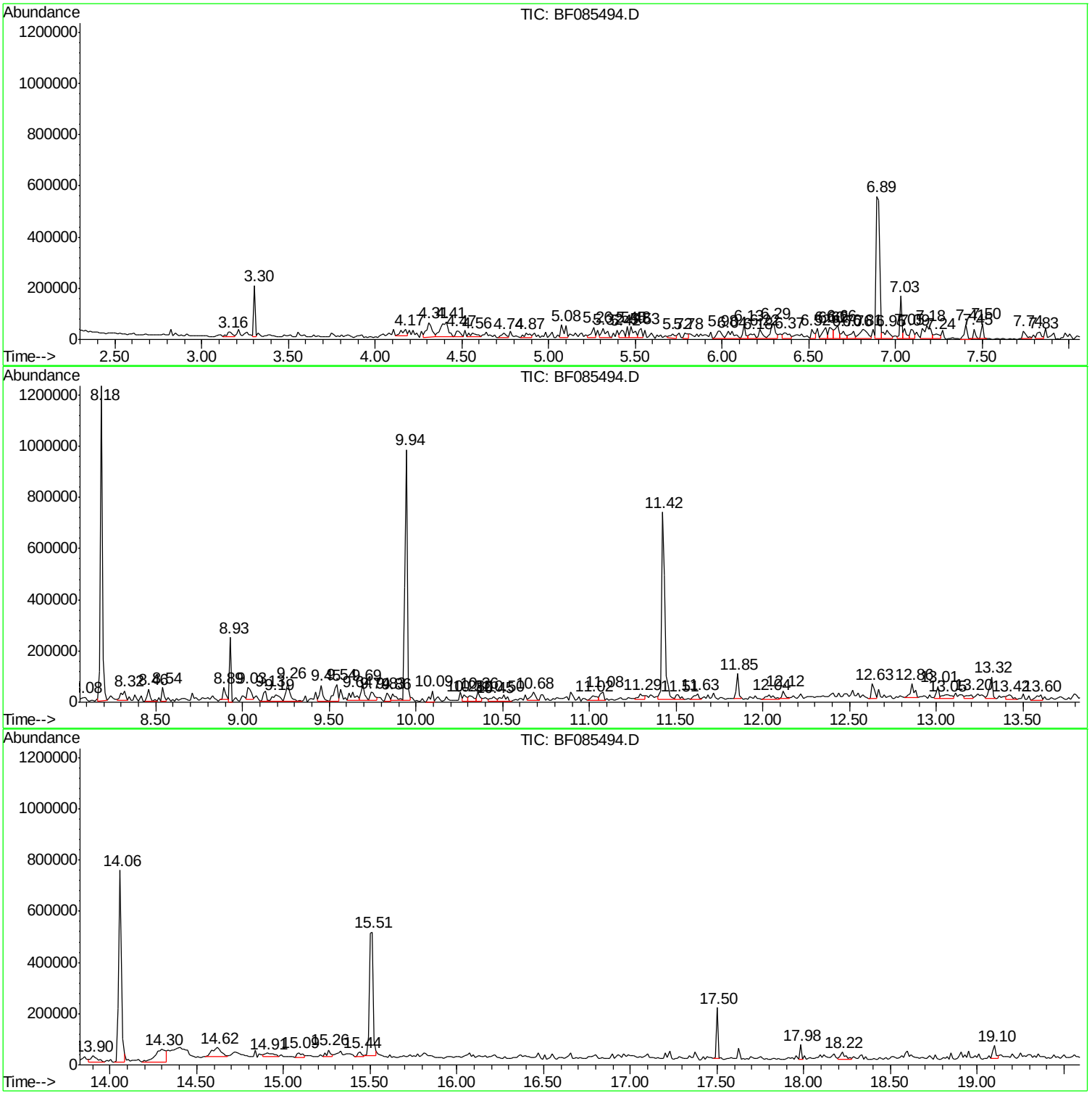
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085494.D
Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.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 F\DATA\BF031616\
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Operator : UM/SJ
Sample : H1796-22 5X
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
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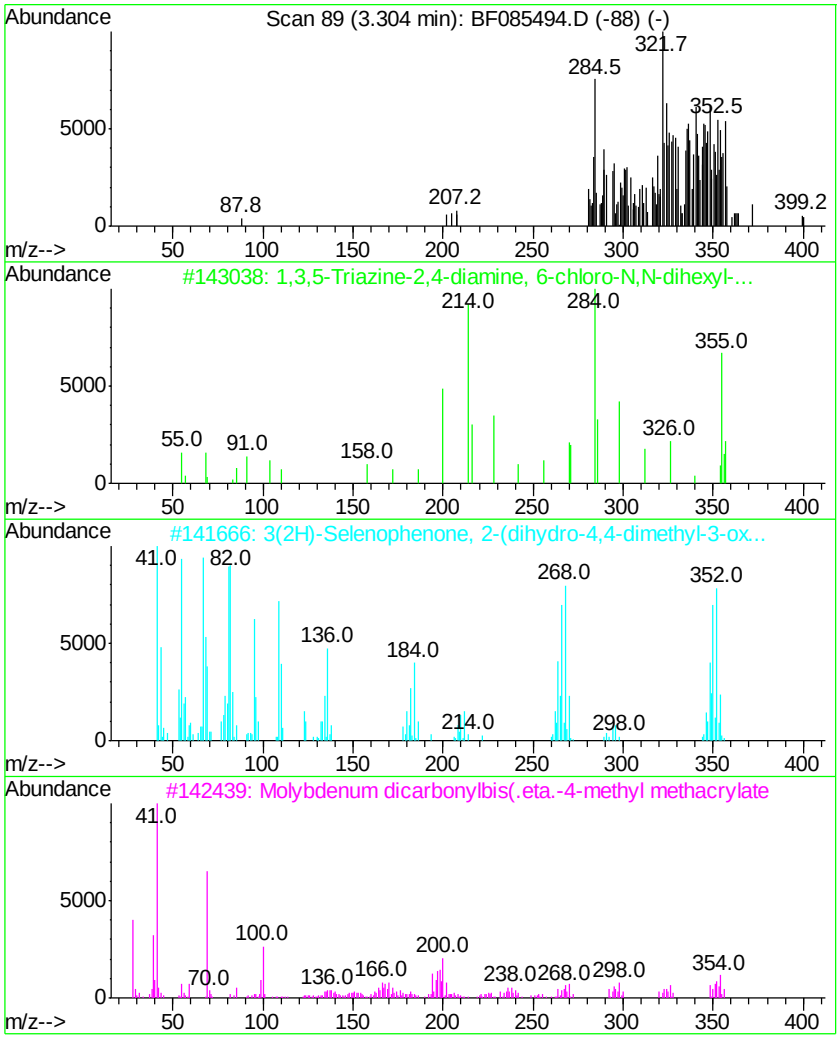
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

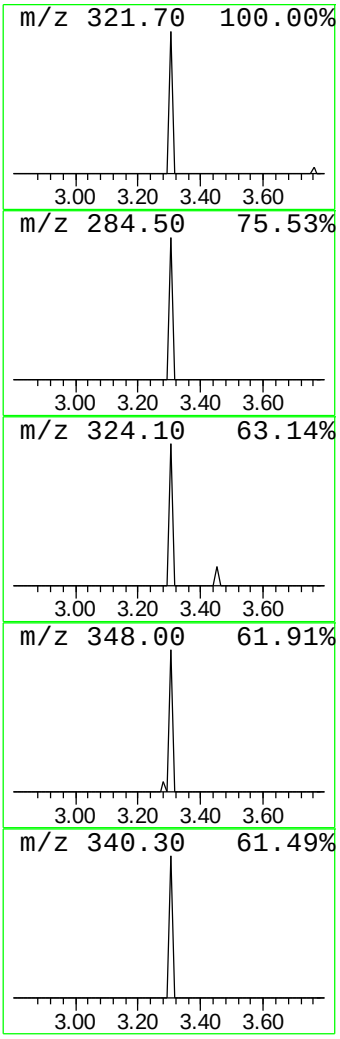
****

Peak Number 1 1,3,5-Triazine-2,4-diamine,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	3.65 ng	139883	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazine-2,4-diamine, 6-ch...	355	C18H34ClN5	094771-76-3	53
2	3(2H)-Selenophenone, 2-(dihydro-...	352	C12H16O2Se2	056009-21-3	35
3	Molybdenum dicarbonylbis(.eta.-4...	354	C12H16MoO6	1000160-94-3	22
4	1-Methyl-1-phenyltetrachlorocycl...	367	C7H8Cl4N3P3	084811-29-0	14
5	5-O-Methyllupiwighteone	352	C21H20O5	104703-98-2	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085494.D
Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
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Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

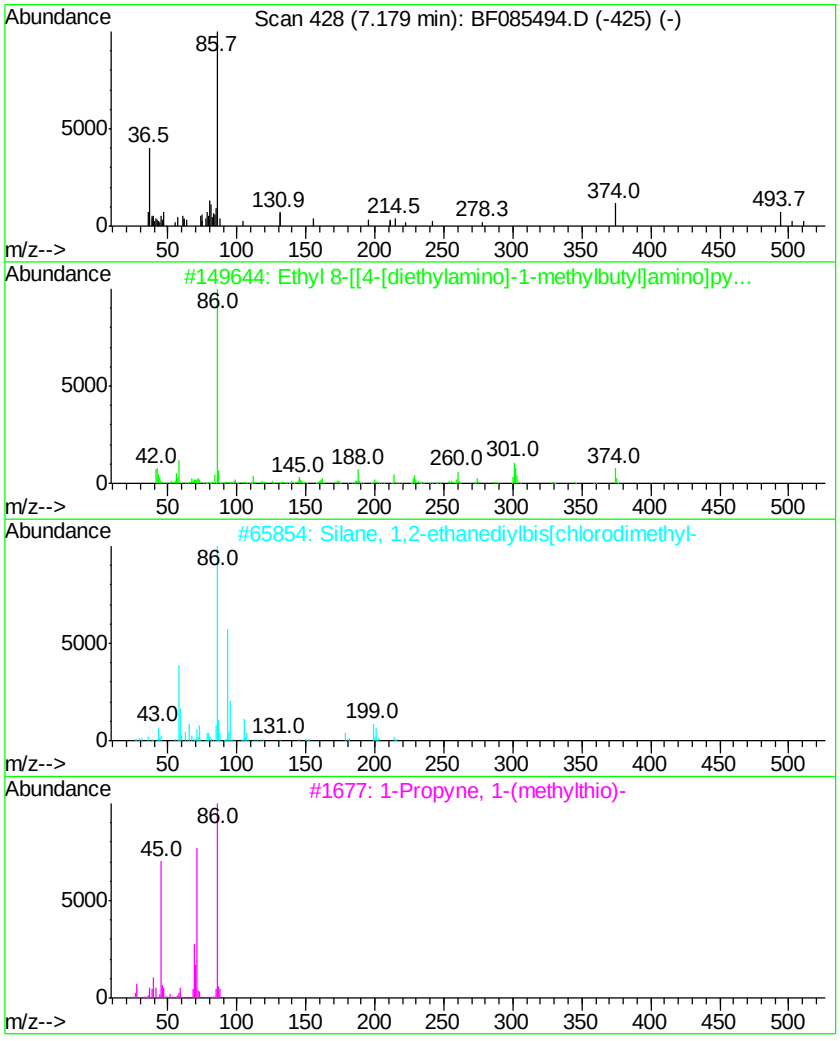
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

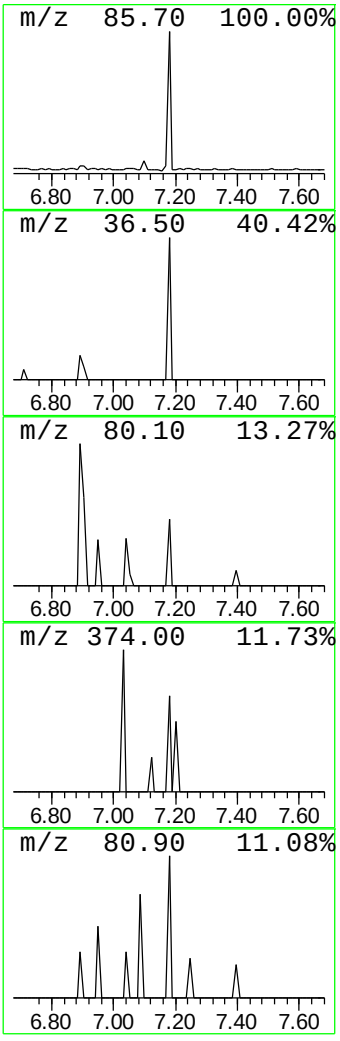
****

Peak Number 9 unknown7.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	3.83 ng	146807	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl 8-[[4-[diethylamino]-1-met...	374	C19H30N6O2	1000255-58-1	42
2	Silane, 1,2-ethanediylbis[chloro...	214	C6H16Cl2Si2	013528-93-3	9
3	1-Propyne, 1-(methylthio)-	86	C4H6S	022174-51-2	9
4	1-Propanol, 3-(diethylamino)-	131	C7H17NO	000622-93-5	9
5	L-Norleucine, N-acetyl-	173	C8H15NO3	015891-49-3	9





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Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

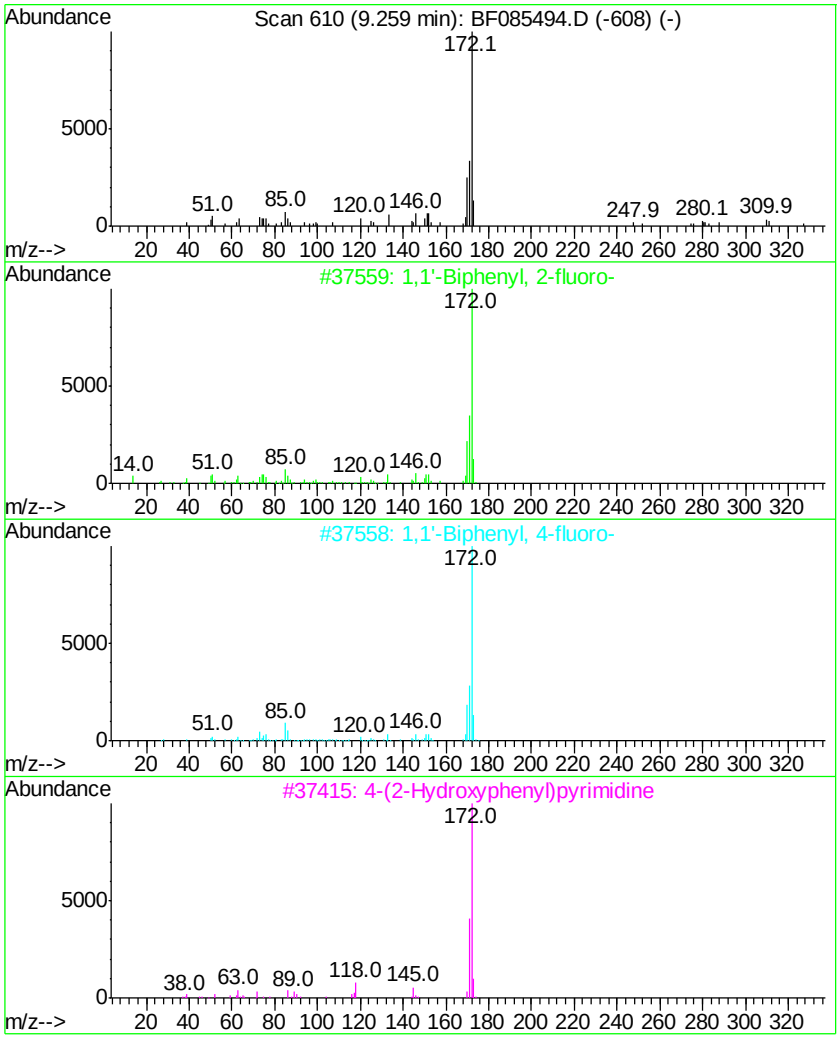
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

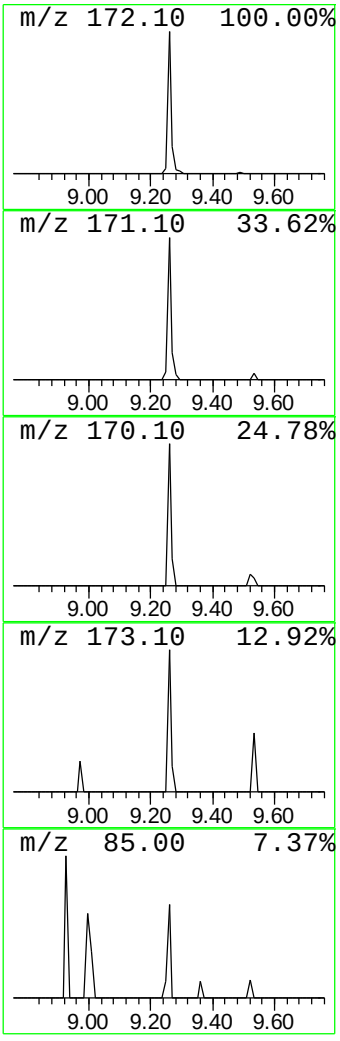
****

Peak Number 11 1,1'-Biphenyl, 2-fluoro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	2.45 ng	123803	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	93
3	4-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	068535-55-7	59
4	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	47
5	5-Hydroxy-2-phenylpyrimidine	172	C10H8N2O	066739-85-3	47





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Misc :
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Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

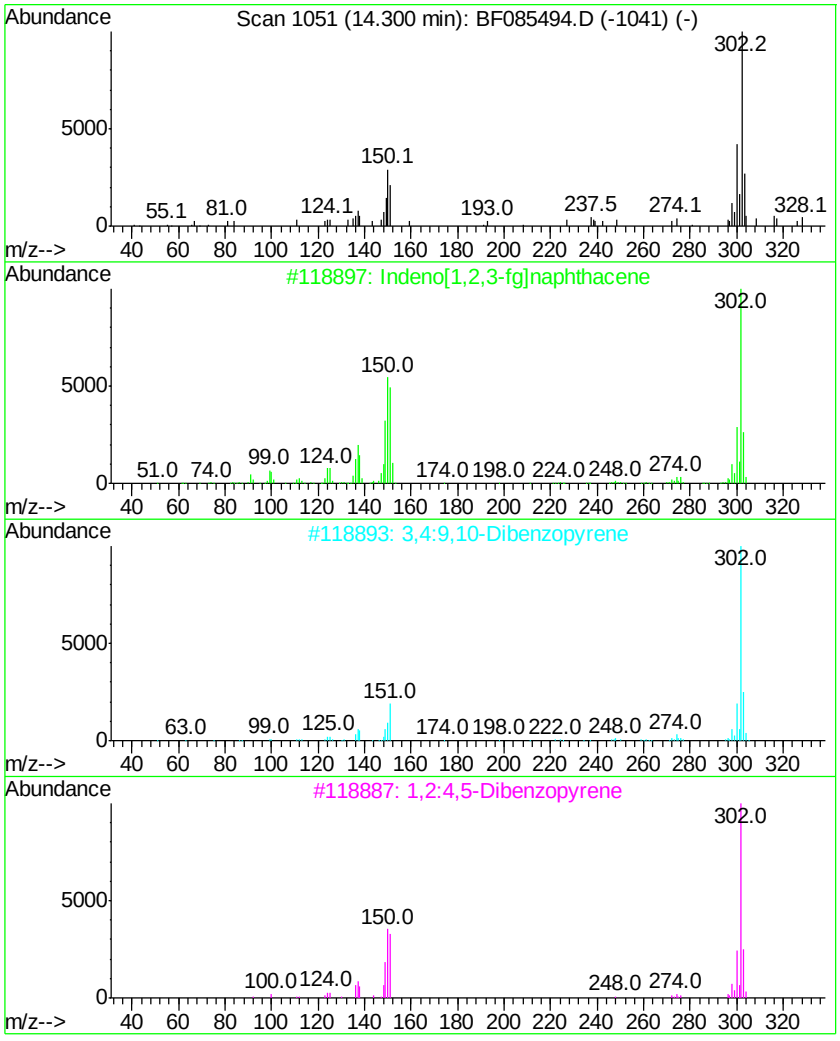
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

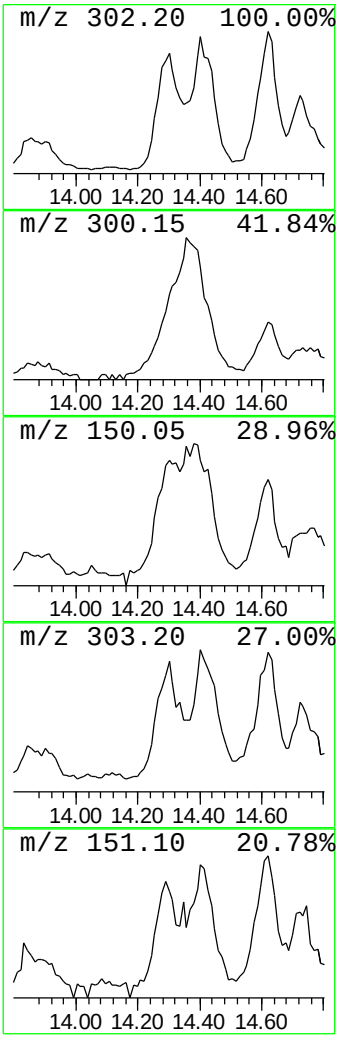
****

Peak Number 15 Indeno[1,2,3-fg]naphthacene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	5.70 ng	210697	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	83
4	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	83
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085494.D
Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

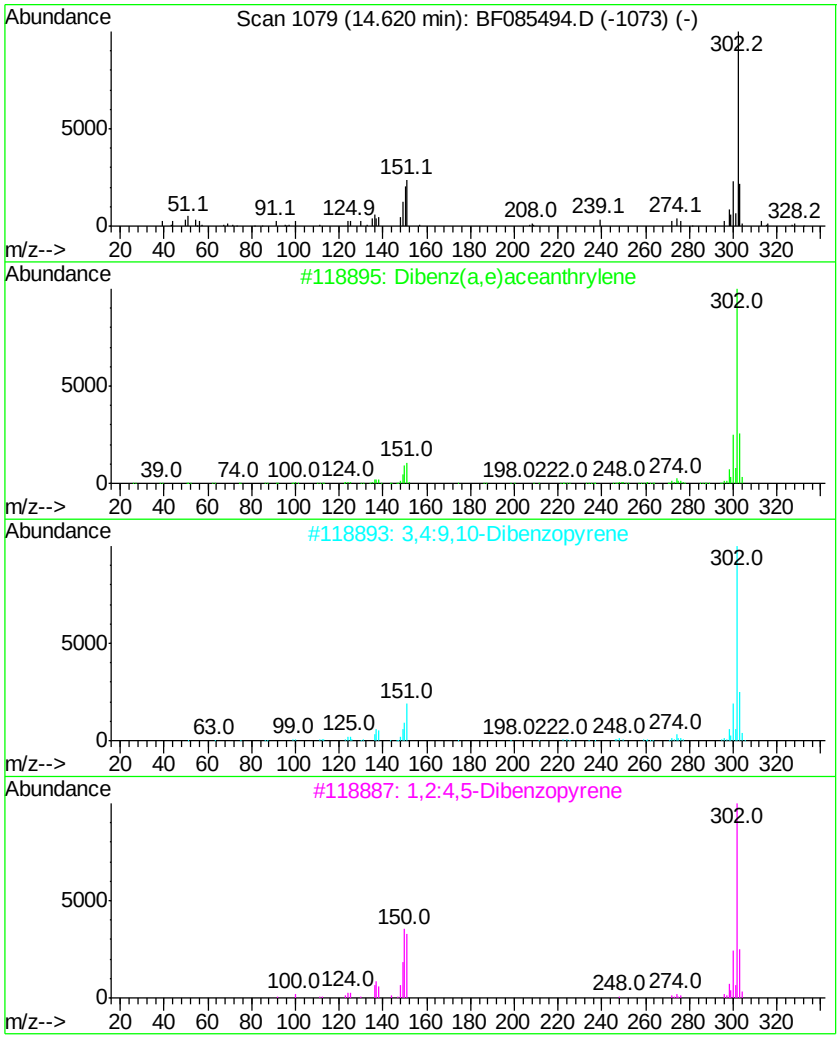
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

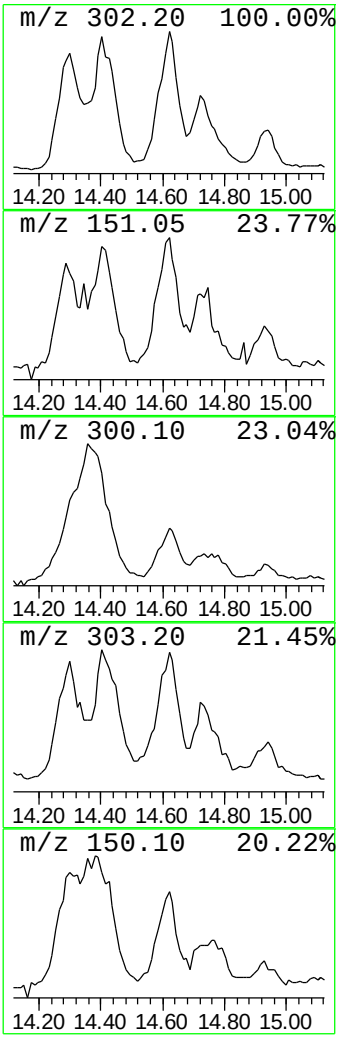
****

Peak Number 16 Dibenz(a,e)aceanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	3.73 ng	137859	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	91
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	81
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	81
4	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085494.D
Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

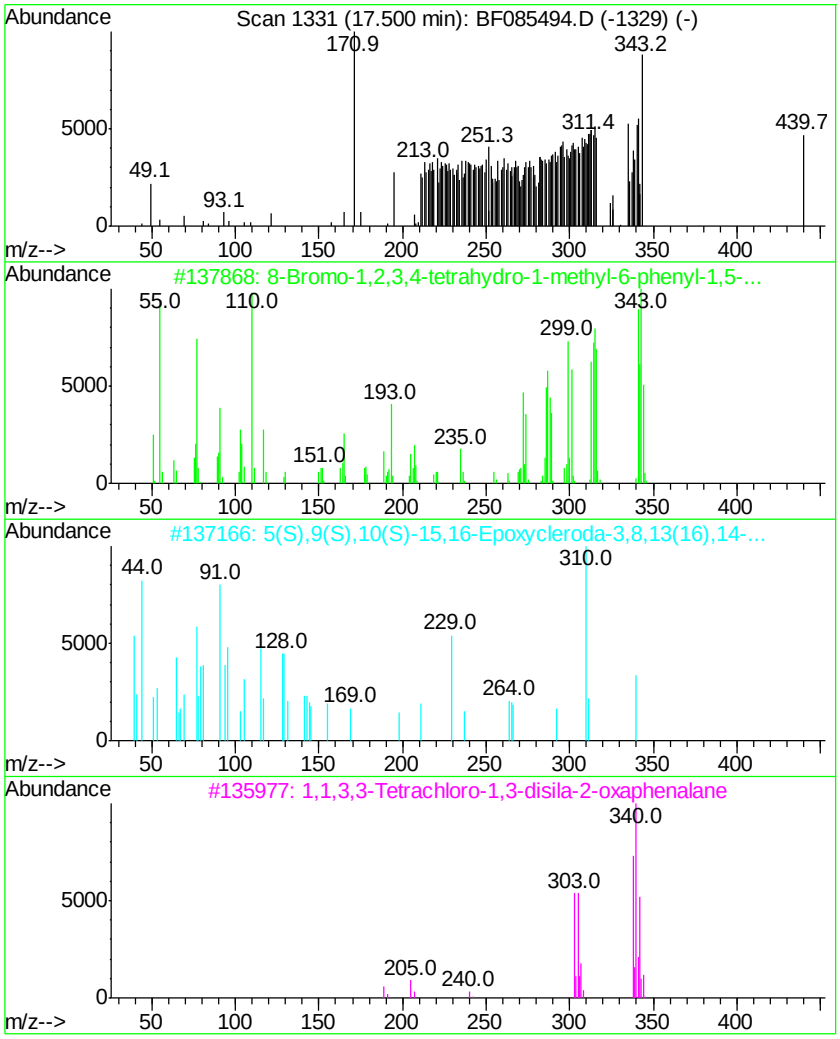
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

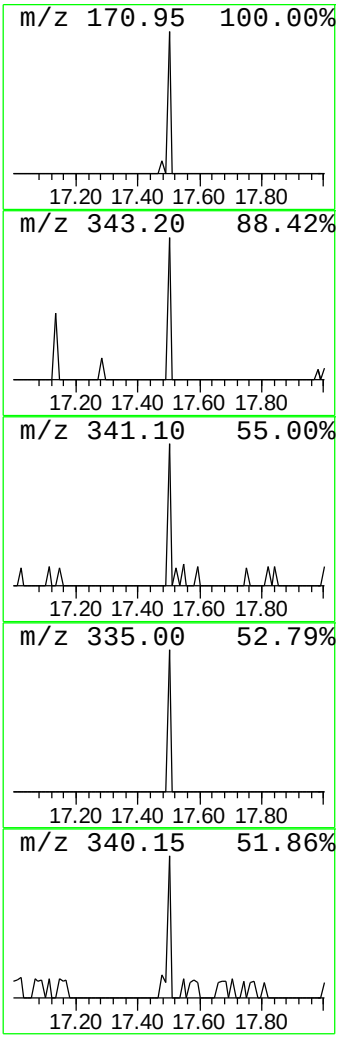
****

Peak Number 17 8-Bromo-1,2,3,4-tetrahydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	3.69 ng	140793	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	93
2	5(S),9(S),10(S)-15,16-Epoxyclero...	340	C20H20O5	069749-03-7	90
3	1,1,3,3-Tetrachloro-1,3-disila-2...	338	C10H6Cl4OSi2	054321-29-8	20
4	Tungsten,(4-tolyl)tricarbonyl-,p...	424	C15H12O3W	082615-26-7	9
5	1,3,5-Triazine, 2-(ethylthio)-4,...	373	C7H5Cl6N3S	005516-46-1	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
Data File : BF085494.D
Acq On : 17 Mar 2016 6:40
Operator : UM/SJ
Sample : H1796-22 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB23(10-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.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
1,3,5-Triazine-2,...	3.30	3.6	ng	139883	1	6.90	766987	20.0
unknown7.18	7.18	3.8	ng	146807	1	6.90	766987	20.0
1,1'-Biphenyl, 2-...	9.26	2.5	ng	123803	3	9.94	1012250	20.0
Indeno[1,2,3-fg]n...	14.30	5.7	ng	210697	5	14.06	739736	20.0
Dibenz(a,e)aceant...	14.62	3.7	ng	137859	5	14.06	739736	20.0
8-Bromo-1,2,3,4-t...	17.50	3.7	ng	140793	6	15.51	762239	20.0