LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

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-BF031816.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	5.419	271	274	275	rBV	13912	21073	1.54%	0.138%
2	5.442	275	276	281	rVB	39083	59062	4.32%	0.388%
3	6.493	365	368	376	rVB2	81704	140571	10.29%	0.923%
4	6.619	376	379	381	rBV	86703	75595	5.53%	0.496%
5	6.847	397	399	402	rBV	693857	782036	57.25%	5.136%
6	7.007	411	413	415	rVB	67577	53372	3.91%	0.351%
7	7.110	420	422	427	rVB	80754	77861	5.70%	0.511%
8	7.270	434	436	443	rVB	47583	73672	5.39%	0.484%
9	7.419	446	449	451	rBV	25923	35312	2.58%	0.232%
10	7.796	480	482	486	rVB	17747	23961	1.75%	0.157%
11	8.139	509	512	513	rBV	1360493	1166005	85.35%	7.658%
12	8.848	572	574	577	rVB	59009	55027	4.03%	0.361%
13	8.950	581	583	585	rVB	37156	31959	2.34%	0.210%
14	9.213	603	606	608	rVB	108467	89496	6.55%	0.588%
15	9.293	611	613	618	rBV2	14191	23831	1.74%	0.157%
16	9.476	627	629	631	rBV	24007	30159	2.21%	0.198%
17	9.545	633	635	637	rVV	32804	43730	3.20%	0.287%
18	9.671	643	646	648	rVB	14679	21776	1.59%	0.143%
19	9.751	651	653	655	rVB	43201	34517	2.53%	0.227%
20	9.888	663	665	667	rVV	1064096	1043188	76.36%	6.851%
21	9.991	672	674	677	rVB	16865	21258	1.56%	0.140%
22	10.093	681	683	685	rBV	94051	86669	6.34%	0.569%
23	10.128	685	686	690	rVB2	14633	21108	1.55%	0.139%
24	10.299	699	701	702	rBV	15523	24372	1.78%	0.160%
25	10.322	702	703	704	rVB	32758	22585	1.65%	0.148%
26	10.436	711	713	715	rBV	233853	195267	14.29%	1.282%
27	10.551	716	723	725	rBV5	13034	35485	2.60%	0.233%
28	10.596	725	727	729	rVV	34720	33283	2.44%	0.219%
29	10.676	731	734	736	rBV2	75625	95911	7.02%	0.630%
30	10.802	743	745	749	rBV	37377	60822	4.45%	0.399%
31	10.985	758	761	762	rBV	45965	55318	4.05%	0.363%
32	11.008	762	763	766	rVV	18648	22610	1.66%	0.148%
33	11.134	770	774	777	rVV3	18383	35425	2.59%	0.233%
34	11.248	780	784	785	rVV2	30773	56946	4.17%	0.374%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
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Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.271	785	786	789	rVB	71730	59153	4.33%	0.388%
36	11.374	793	795	796	rBV	1060719	963952	70.56%	6.331%
37	11.396	796	797	799	rVV	1275721	1049890	76.85%	6.895%
38	11.454	799	802	803	rVV	336988	437537	32.03%	2.874%
39	11.602	812	815	819	rBV	178167	185421	13.57%	1.218%
40	11.671	819	821	823	rVV	44879	42924	3.14%	0.282%
41	11.876	836	839	840	rBV	115889	108652	7.95%	0.714%
42	11.899	840	841	843	rVV	145012	135599	9.93%	0.891%
43	11.945	843	845	847	rVV	59563	66038	4.83%	0.434%
44	11.991	847	849	853	rVB	179804	274318	20.08%	1.802%
45	12.082	853	857	860	rBV3	26286	63275	4.63%	0.416%
46	12.174	862	865	866	rVB	54326	60248	4.41%	0.396%
47	12.345	879	880	884	rBV4	11746	20898	1.53%	0.137%
48	12.425	884	887	888	rBV	25489	30616	2.24%	0.201%
49	12.459	888	890	893	rVB2	31527	46060	3.37%	0.303%
50	12.505	893	894	898	rVB3	15674	23692	1.73%	0.156%
51	12.585	898	901	903	rBV	890281	771094	56.44%	5.064%
52	12.677	908	909	911	rVV	82487	63469	4.65%	0.417%
53	12.734	911	914	917	rVV3	14732	27753	2.03%	0.182%
54	12.779	917	918	919	rVV	196713	219716	16.08%	1.443%
55	12.814	919	921	923	rVV	588083	577897	42.30%	3.795%
56	12.859	923	925	929	rVV	65281	66951	4.90%	0.440%
57	12.951	929	933	937	rVB3	77235	147461	10.79%	0.968%
58	13.031	937	940	942	rBV2	36906	69429	5.08%	0.456%
59	13.134	944	949	951	rBV	102986	174824	12.80%	1.148%
60	13.202	953	955	957	rVV	144570	151849	11.12%	0.997%
61	13.237	957	958	962	rVB	49425	71025	5.20%	0.466%
62	13.339	962	967	968	rBV2	20544	44991	3.29%	0.295%
63	13.362	968	969	972	rBV2	23249	32612	2.39%	0.214%
64	13.488	977	980	982	rBV	119463	111181	8.14%	0.730%
65	13.557	982	986	990	rVB2	33316	77357	5.66%	0.508%
66	13.625	990	992	993	rBV	20004	32744	2.40%	0.215%
67	13.762	1000	1004	1005	rBV2	26464	58528	4.28%	0.384%
68	13.785	1005	1006	1007	rVV	54431	48671	3.56%	0.320%
69	13.808	1007	1008	1011	rVV2	41422	62293	4.56%	0.409%
70	13.854	1011	1012	1015	rVB	22148	26905	1.97%	0.177%
71	14.002	1022	1025	1031	rBV2	814408	1366102	100.00%	8.972%

LSC Area Percent Report

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Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.174	1039	1040	1043	rVB3	28118	40580	2.97%	0.267%
73	14.231	1043	1045	1049	rVB2	28651	47445	3.47%	0.312%
74	14.357	1052	1056	1057	rBV3	22609	55026	4.03%	0.361%
75	14.391	1057	1059	1061	rVV	57280	61280	4.49%	0.402%
76	14.482	1064	1067	1069	rBV2	56215	88524	6.48%	0.581%
77	14.540	1069	1072	1074	rVV2	48840	81599	5.97%	0.536%
78	14.585	1074	1076	1079	rVB3	14187	22725	1.66%	0.149%
79	14.780	1091	1093	1094	rBV	38014	46793	3.43%	0.307%
80	14.871	1097	1101	1105	rBV2	17057	48055	3.52%	0.316%
81	14.940	1105	1107	1108	rBV2	16298	25091	1.84%	0.165%
82	14.974	1108	1110	1112	rVB	18087	25688	1.88%	0.169%
83	15.031	1112	1115	1119	rBV	170611	370784	27.14%	2.435%
84	15.100	1119	1121	1122	rBV2	31392	29113	2.13%	0.191%
85	15.134	1122	1124	1126	rVB	46121	61192	4.48%	0.402%
86	15.214	1129	1131	1137	rBV3	14714	50334	3.68%	0.331%
87	15.317	1137	1140	1143	rVB	96224	124536	9.12%	0.818%
88	15.374	1143	1145	1148	rBV	174318	207589	15.20%	1.363%
89	15.431	1148	1150	1152	rBV	551472	821306	60.12%	5.394%
90	15.637	1163	1168	1172	rBV3	23161	97581	7.14%	0.641%
91	15.877	1187	1189	1195	rVB2	25370	41700	3.05%	0.274%
92	15.968	1195	1197	1200	rBV	16876	24793	1.81%	0.163%
93	16.105	1207	1209	1213	rBV3	11941	26014	1.90%	0.171%
94	16.357	1228	1231	1234	rVB2	27179	50307	3.68%	0.330%
95	16.826	1269	1272	1277	rVB2	56163	118453	8.67%	0.778%
96	16.917	1277	1280	1284	rVB2	20774	41287	3.02%	0.271%
97	16.997	1284	1287	1290	rBV	14173	35045	2.57%	0.230%
98	17.248	1306	1309	1313	rBV	34463	76084	5.57%	0.500%
99	17.408	1319	1323	1326	rBV4	15320	48422	3.54%	0.318%
100	17.466	1326	1328	1334	rVB	14322	38685	2.83%	0.254%

Sum of corrected areas: 15226418

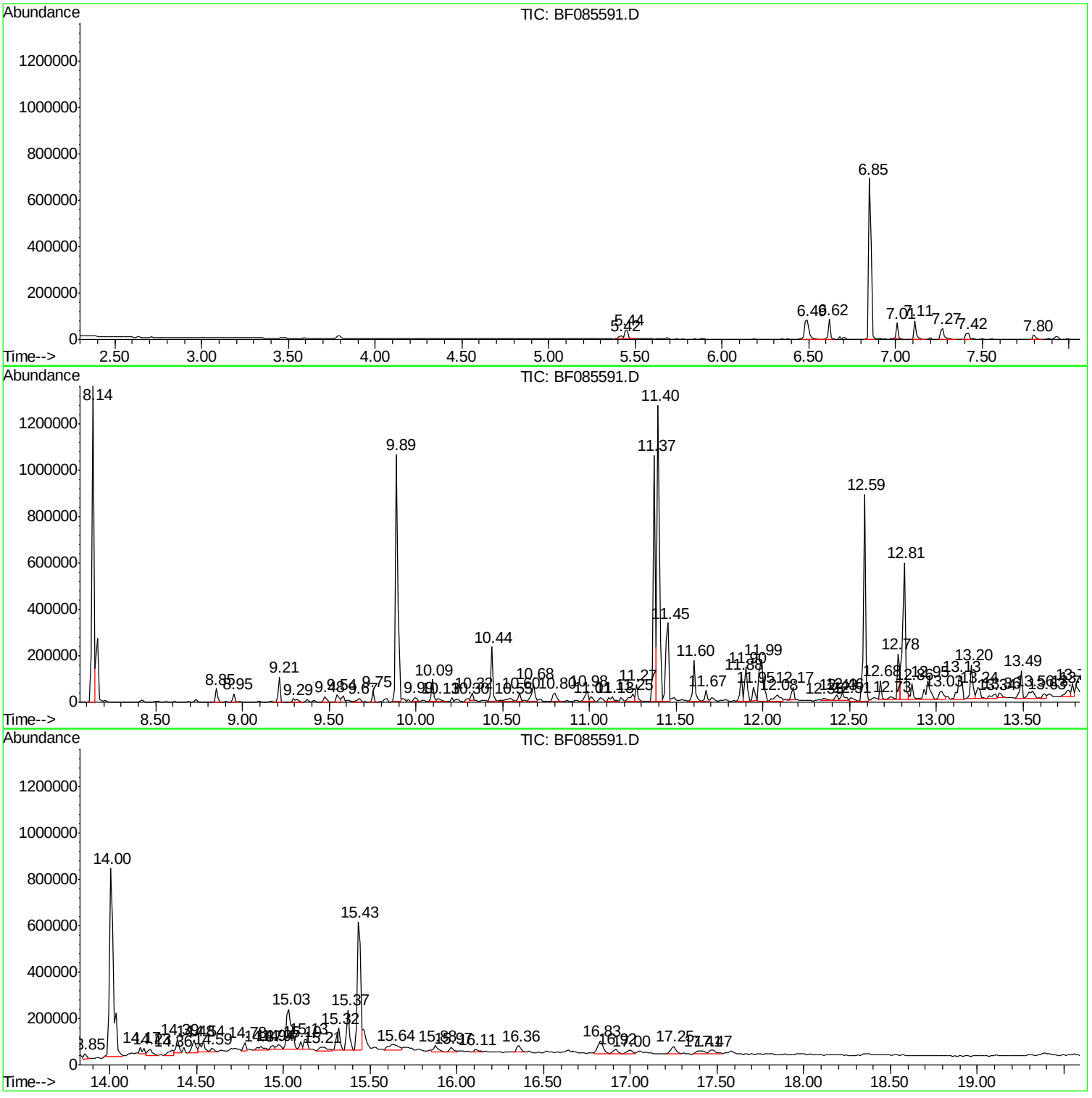
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

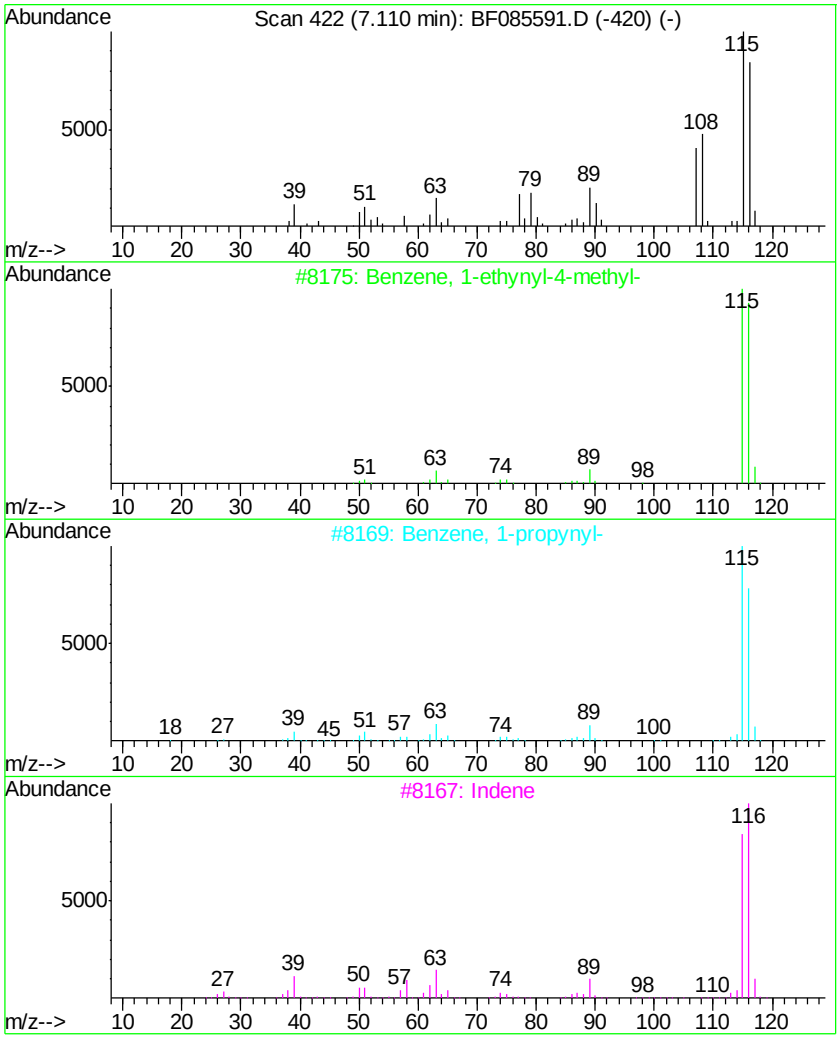
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

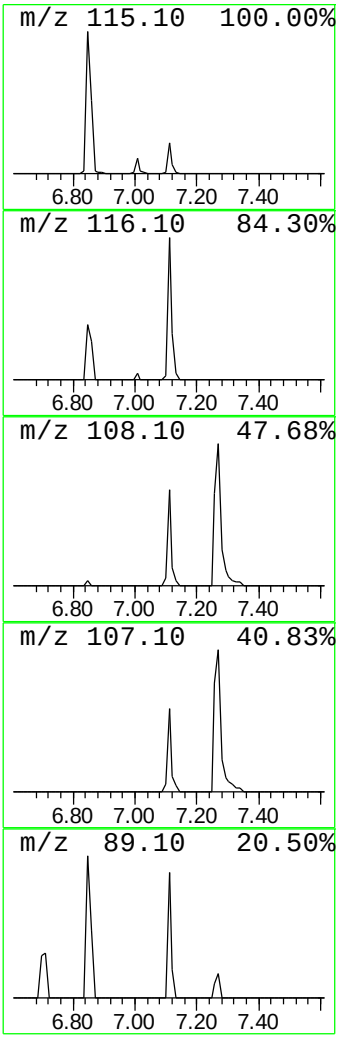
****

Peak Number 3 Benzene, 1-ethynyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	29.18 ng	77861	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	64
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	64
3	Indene	116	C9H8	000095-13-6	60
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	53
5	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

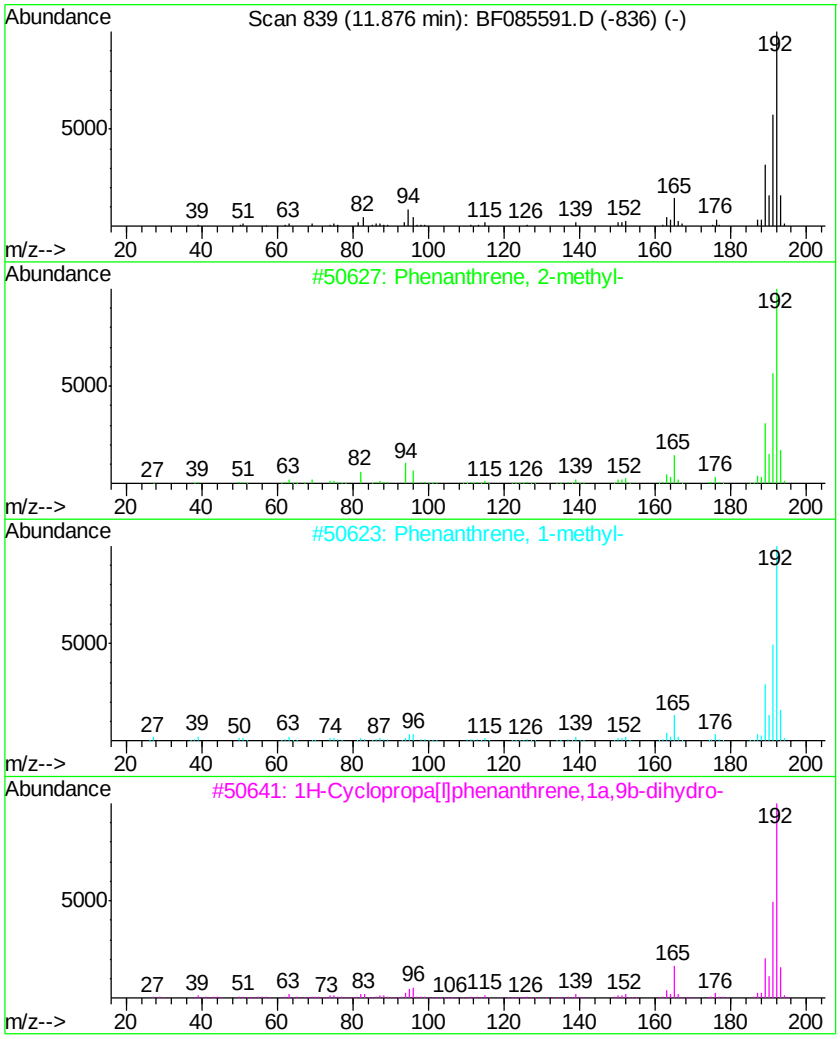
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

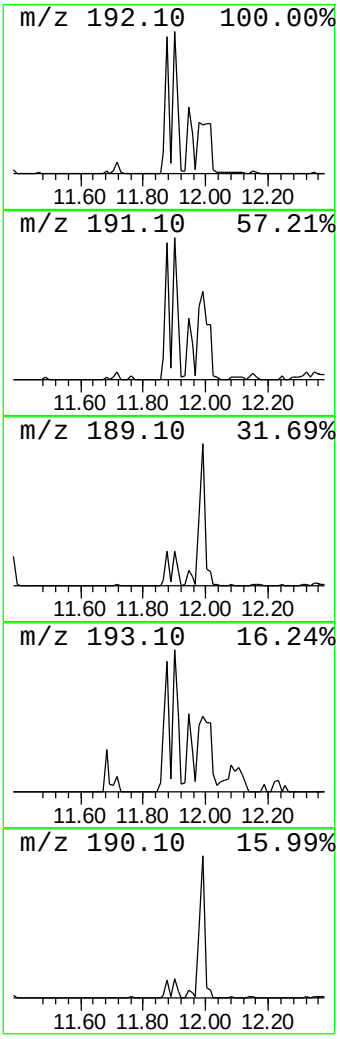
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.25 ng	108652	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : H1796-04 5X
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Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

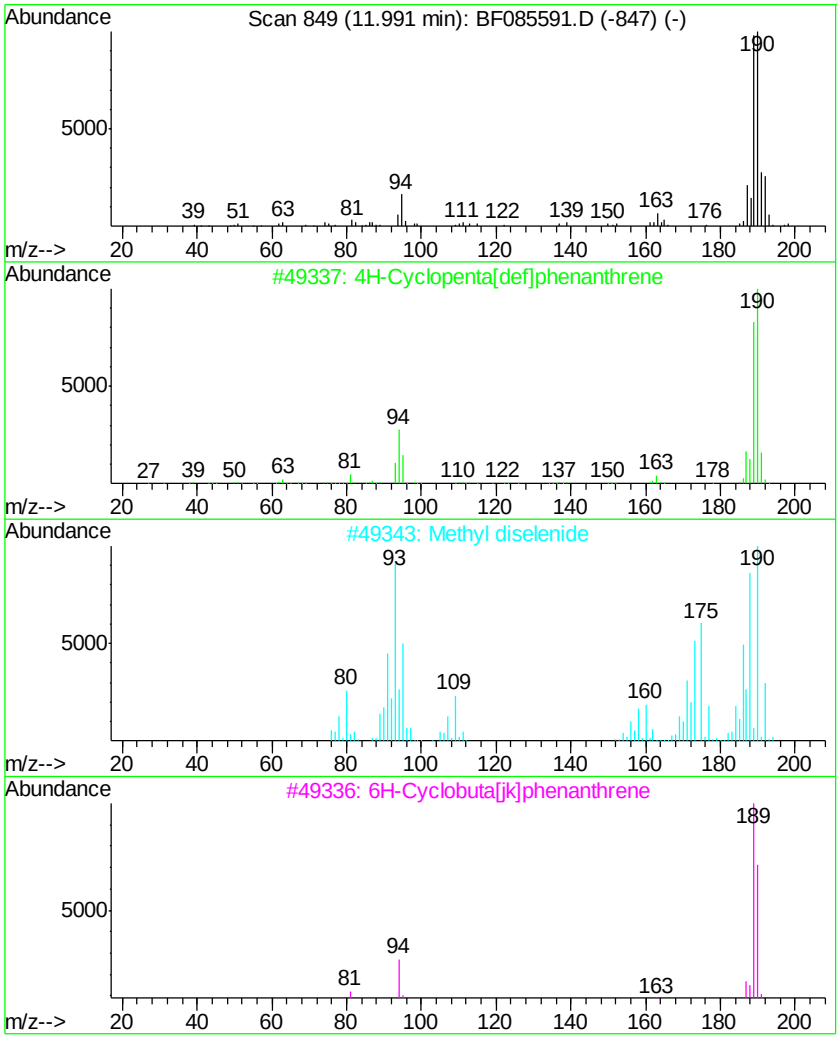
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

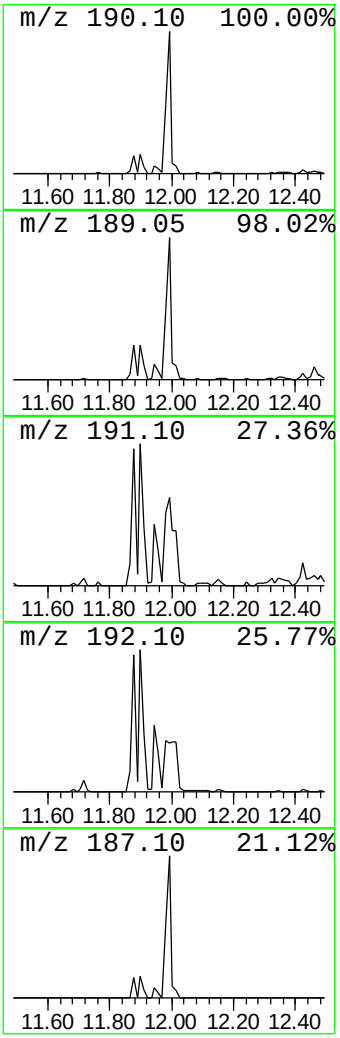
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	5.69 ng	274318	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
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Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

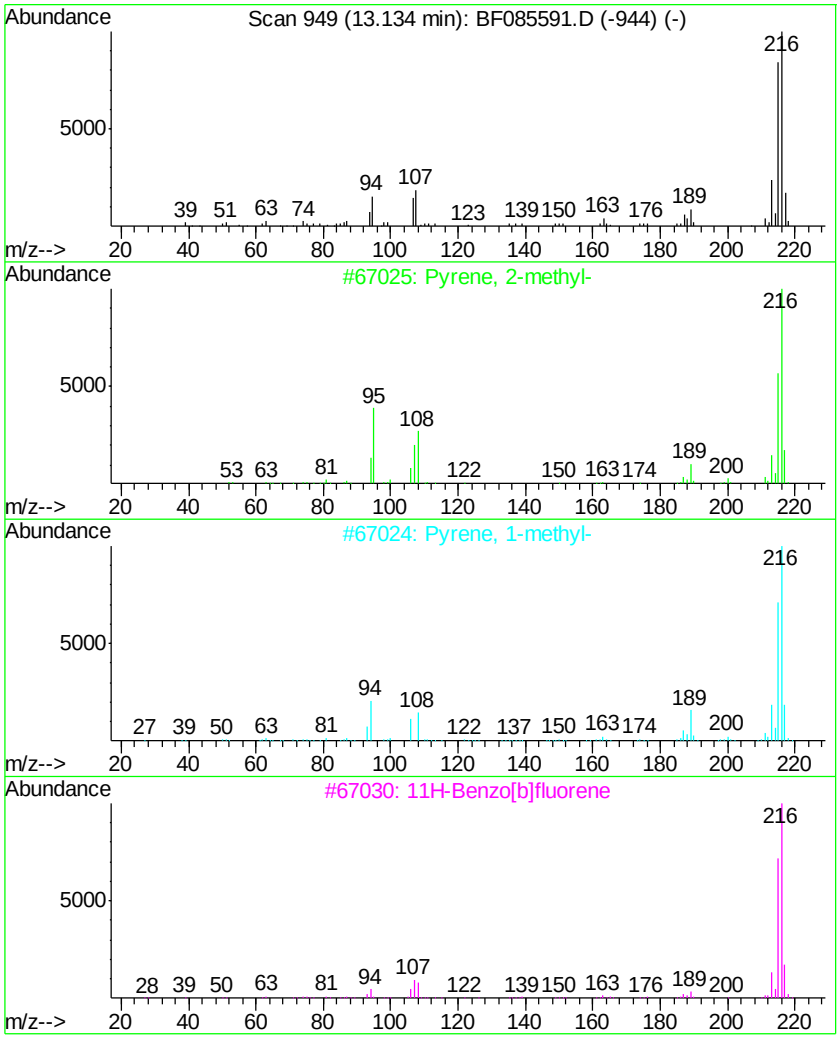
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

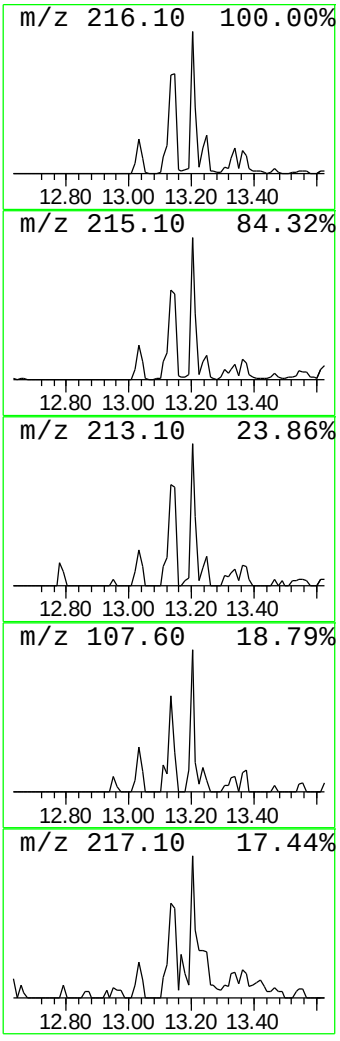
****

Peak Number 9 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.56 ng	174824	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

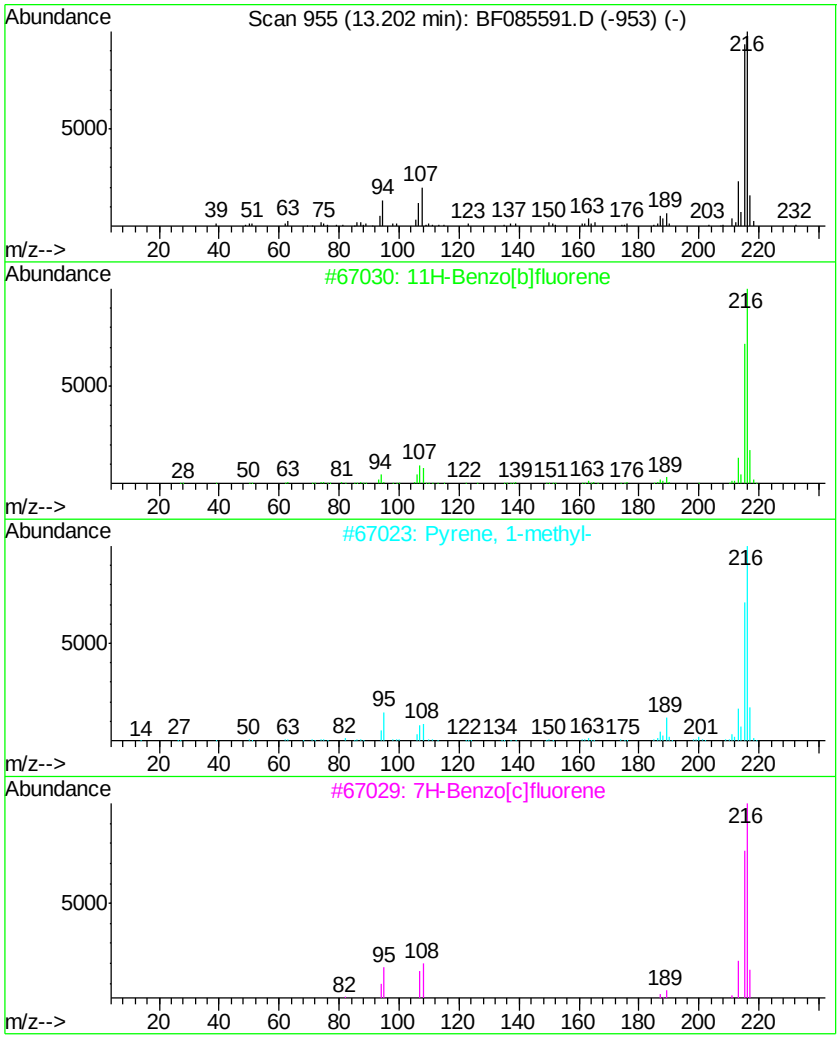
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

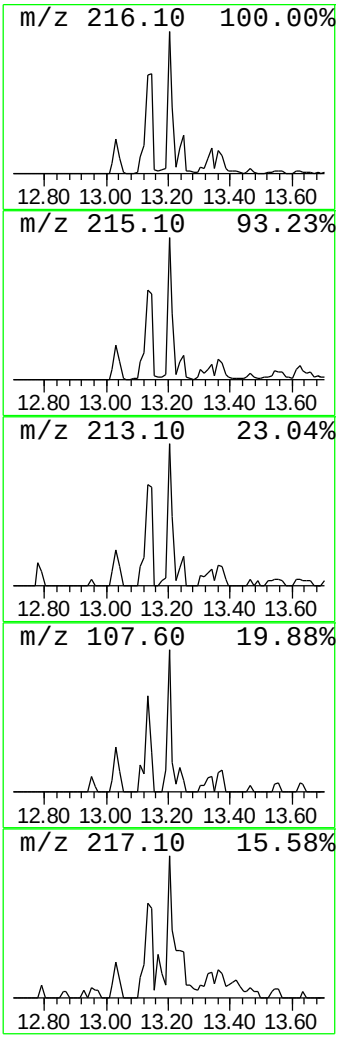
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.22 ng	151849	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

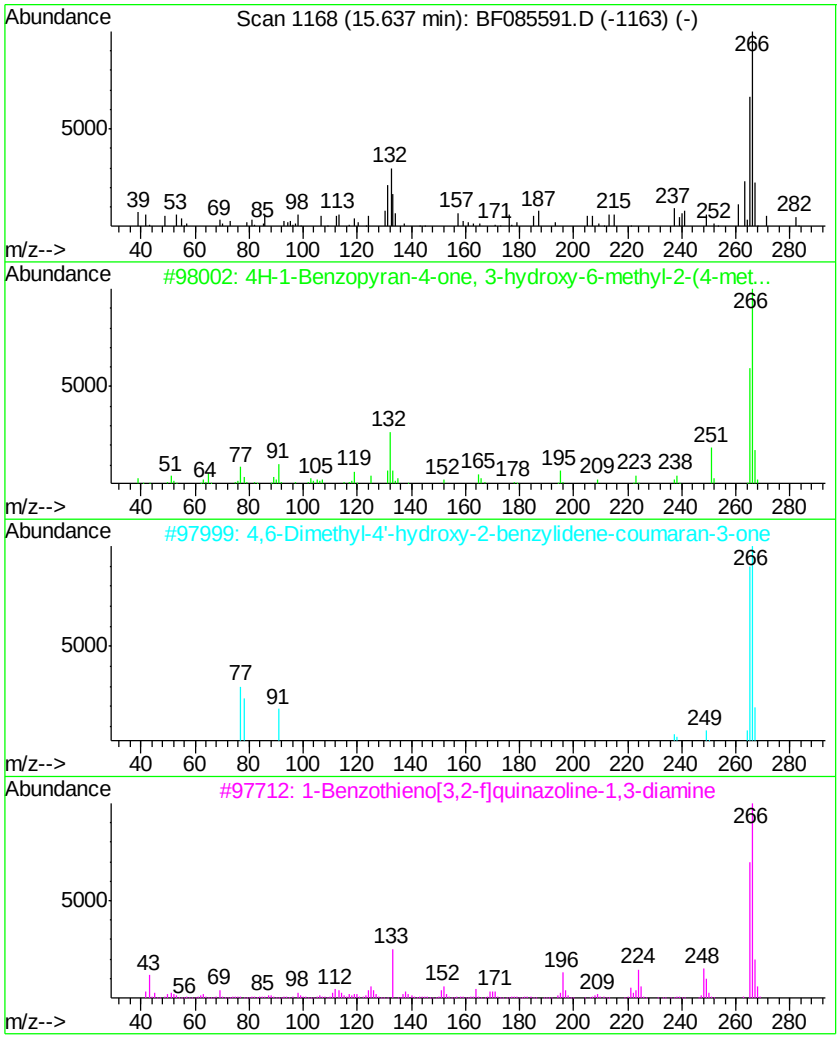
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

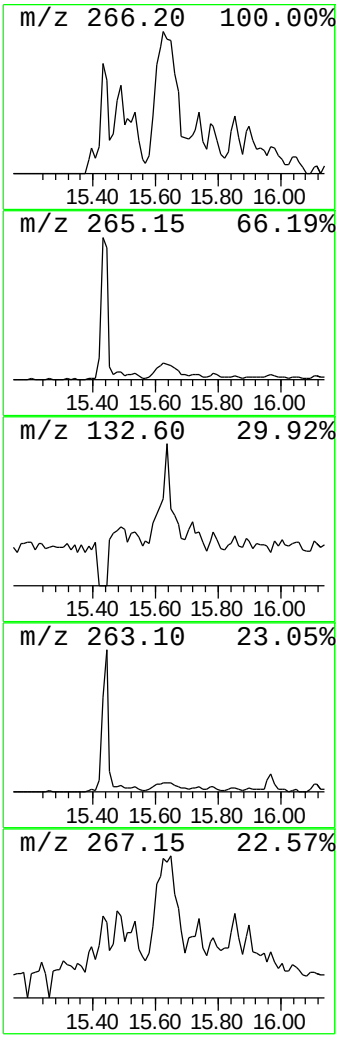
****

Peak Number 12 4H-1-Benzopyran-4-one, 3-hy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.38 ng	97581	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53
2	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	47
3	1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	47
4	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	43
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085591.D
Acq On : 19 Mar 2016 23:41
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOU2-SB04(5-8)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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
Benzene, 1-ethyny...	7.11	29.2	ng	77861	1	7.01	53372	20.0
Phenanthrene, 2-m...	11.88	2.3	ng	108652	4	11.37	963952	20.0
4H-Cyclopenta[def...	11.99	5.7	ng	274318	4	11.37	963952	20.0
Pyrene, 2-methyl-	13.13	2.6	ng	174824	5	14.01	1366100	20.0
11H-Benzo[b]fluorene	13.20	2.2	ng	151849	5	14.01	1366100	20.0
4H-1-Benzopyran-4...	15.64	2.4	ng	97581	6	15.43	821306	20.0