LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085608.D
Acq On : 20 Mar 2016 9:53
Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-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-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	5.053	240	242	249	rVB	273074	438040	11.25%	1.237%
2	5.464	274	278	280	rBV	2732377	3727512	95.71%	10.530%
3	6.493	364	368	370	rBV	2929960	3668042	94.18%	10.362%
4	6.619	376	379	382	rBV	2857453	3503746	89.96%	9.898%
5	6.847	397	399	402	rBV	703886	755496	19.40%	2.134%
6	7.007	410	413	416	rBV	2695095	2705248	69.46%	7.642%
7	7.419	446	449	451	rBV	2156454	2265384	58.17%	6.400%
8	7.510	455	457	464	rVB	28253	39773	1.02%	0.112%
9	8.139	509	512	514	rBV	1126947	1035783	26.59%	2.926%
10	9.213	603	606	609	rBV	3598254	3894675	100.00%	11.002%
11	9.602	638	640	642	rBV	360096	416974	10.71%	1.178%
12	9.819	657	659	661	rBV	49930	59799	1.54%	0.169%
13	9.887	663	665	667	rVB	1118627	1045418	26.84%	2.953%
14	10.322	701	703	705	rVB	132389	111630	2.87%	0.315%
15	10.539	719	722	726	rBV	41707	76524	1.96%	0.216%
16	10.676	731	734	737	rBV2	1787369	2308133	59.26%	6.520%
17	10.790	743	744	751	rBV	113609	174193	4.47%	0.492%
18	11.248	782	784	785	rBV	56495	74535	1.91%	0.211%
19	11.373	793	795	796	rBV	1183666	1008045	25.88%	2.848%
20	11.396	796	797	798	rVV	79526	59715	1.53%	0.169%
21	11.442	798	801	804	rVB3	31213	52419	1.35%	0.148%
22	11.899	840	841	843	rBV	66455	70017	1.80%	0.198%
23	12.585	898	901	903	rBV	96951	101150	2.60%	0.286%
24	12.688	908	910	913	rBV3	24079	40128	1.03%	0.113%
25	12.779	916	918	920	rBV	257188	256801	6.59%	0.725%
26	12.813	920	921	922	rVB	56824	40078	1.03%	0.113%
27	12.962	931	934	936	rBV	3443179	3430773	88.09%	9.692%
28	13.191	951	954	956	rBV	81494	76632	1.97%	0.216%
29	13.488	977	980	981	rBV	133483	145863	3.75%	0.412%
30	13.534	981	984	985	rVV	97291	108019	2.77%	0.305%
31	13.865	1010	1013	1019	rBV	106097	214770	5.51%	0.607%
32	14.002	1023	1025	1027	rVV	752460	860369	22.09%	2.431%
33	14.036	1027	1028	1032	rVV4	72406	197263	5.06%	0.557%
34	14.174	1036	1040	1050	rVV3	139063	444223	11.41%	1.255%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-12-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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.402	1054	1060	1065	rVV2	42840	206116	5.29%	0.582%
36	14.482	1065	1067	1068	rVV	55350	70967	1.82%	0.200%
37	14.528	1068	1071	1074	rVV2	35555	121428	3.12%	0.343%
38	14.631	1078	1080	1083	rVB	75370	83696	2.15%	0.236%
39	14.779	1091	1093	1098	rVB2	38401	54742	1.41%	0.155%
40	15.019	1112	1114	1119	rBV	45746	101842	2.61%	0.288%
41	15.099	1119	1121	1125	rVB2	39395	58878	1.51%	0.166%
42	15.317	1137	1140	1142	rVB	27117	49740	1.28%	0.141%
43	15.374	1142	1145	1147	rVB	36555	45473	1.17%	0.128%
44	15.431	1147	1150	1157	rBV	549339	743319	19.09%	2.100%
45	15.877	1186	1189	1192	rBV2	25073	51395	1.32%	0.145%
46	16.105	1206	1209	1219	rVB6	24652	73438	1.89%	0.207%
47	16.357	1228	1231	1234	rVB2	20628	39538	1.02%	0.112%
48	17.065	1289	1293	1296	rBV5	17228	48887	1.26%	0.138%
49	17.568	1332	1337	1344	rVB6	17470	72175	1.85%	0.204%
50	19.488	1497	1505	1510	rBV2	31801	169493	4.35%	0.479%

Sum of corrected areas: 35398297

LSC Report - Integrated Chromatogram

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Sample : H1815-04
Misc :
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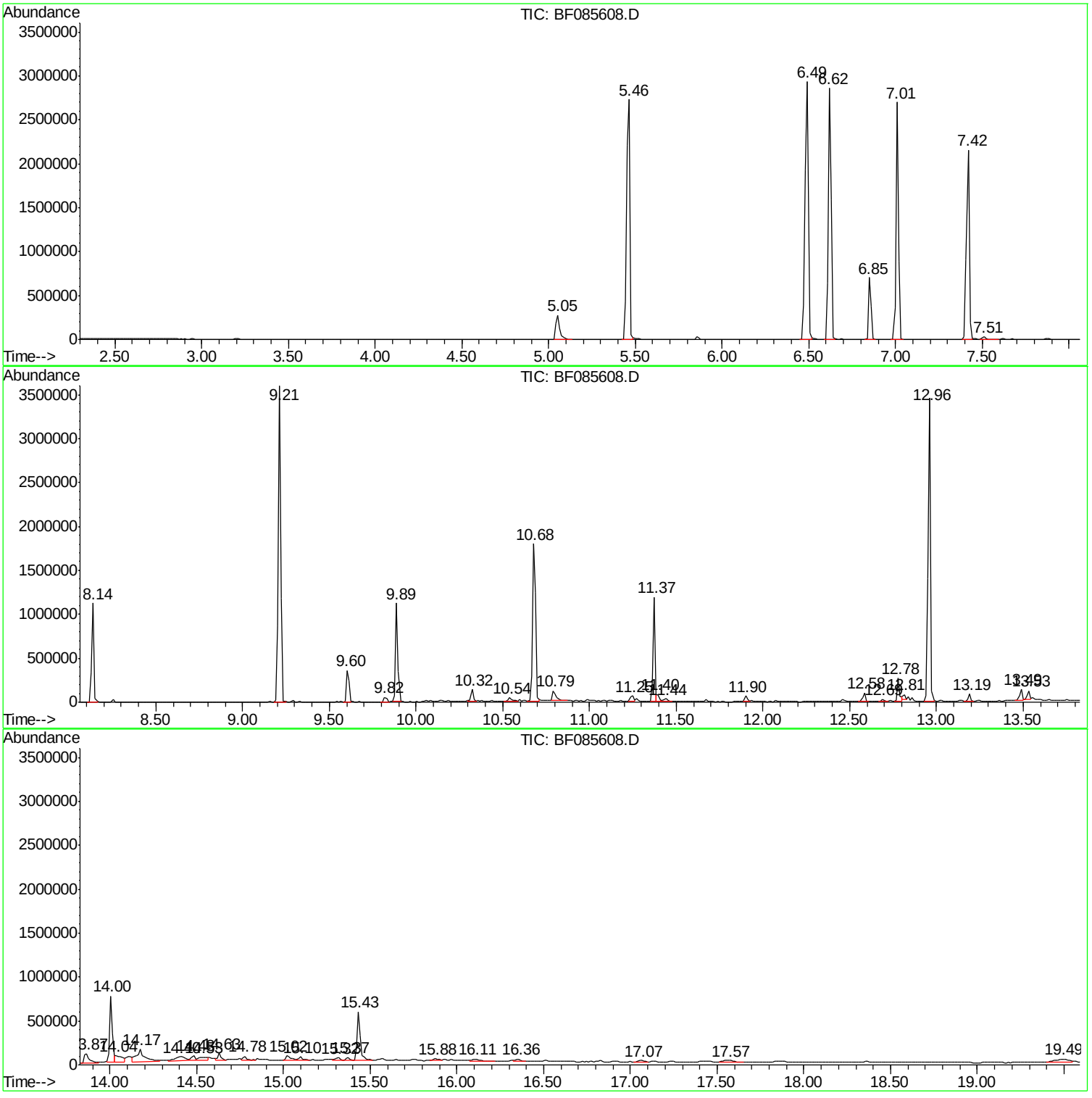
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

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\
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Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

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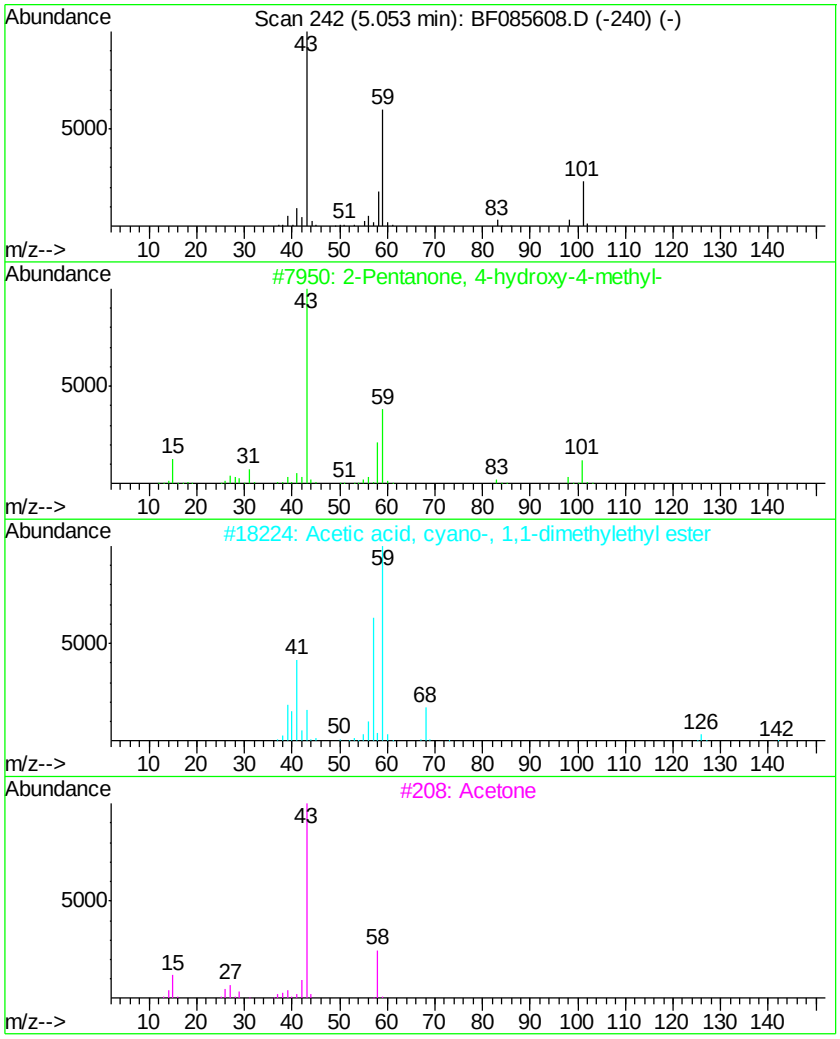
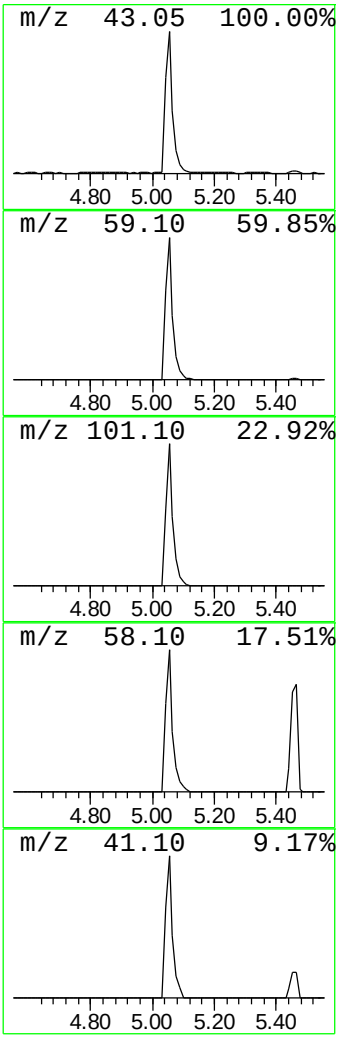
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	11.60 ng	438040	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Acetone	58	C3H6O	000067-64-1	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

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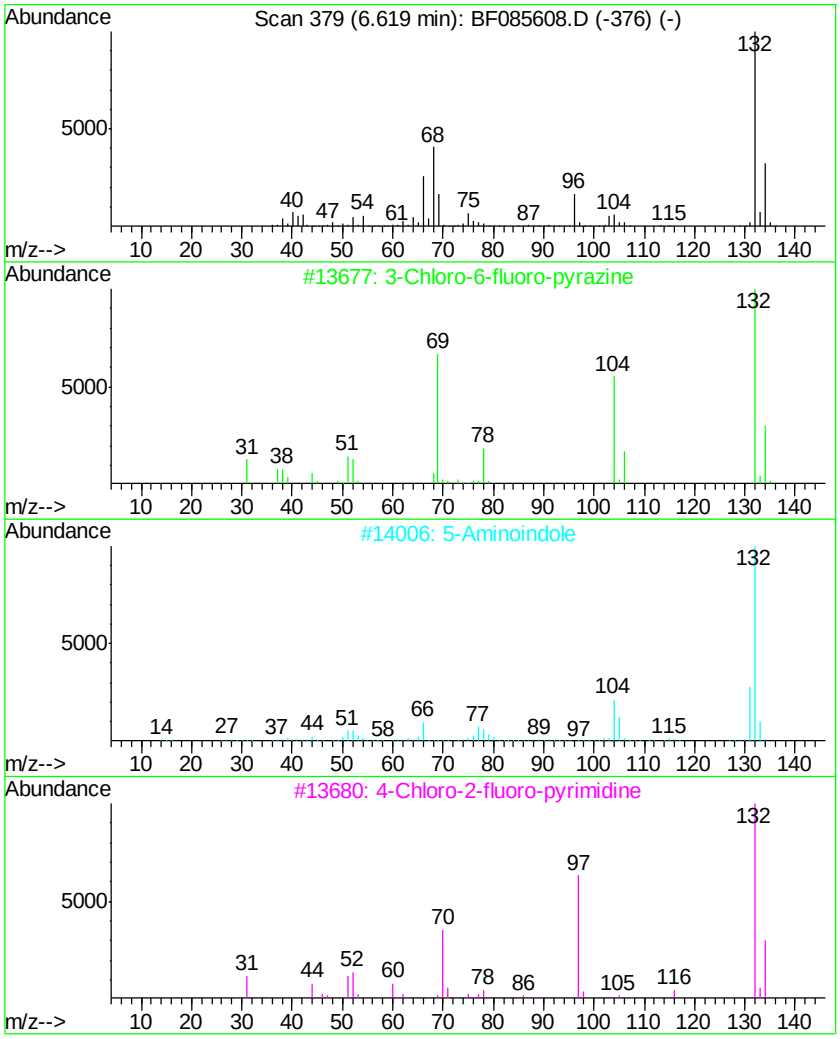
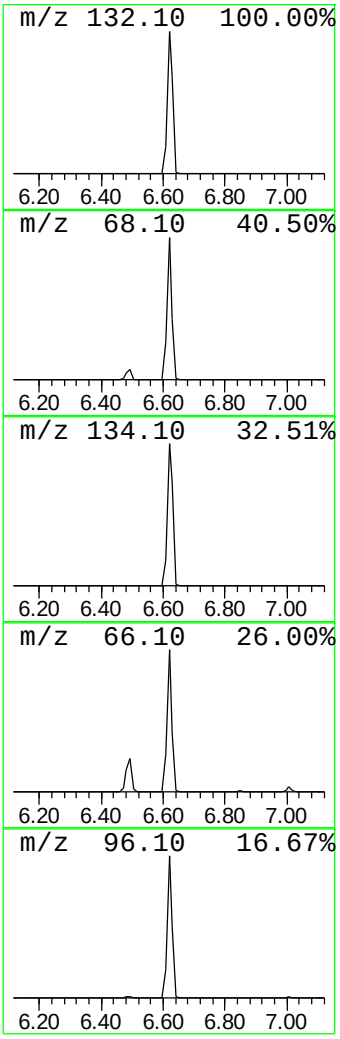
Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	92.75 ng	3503750	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Data File : BF085608.D
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Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

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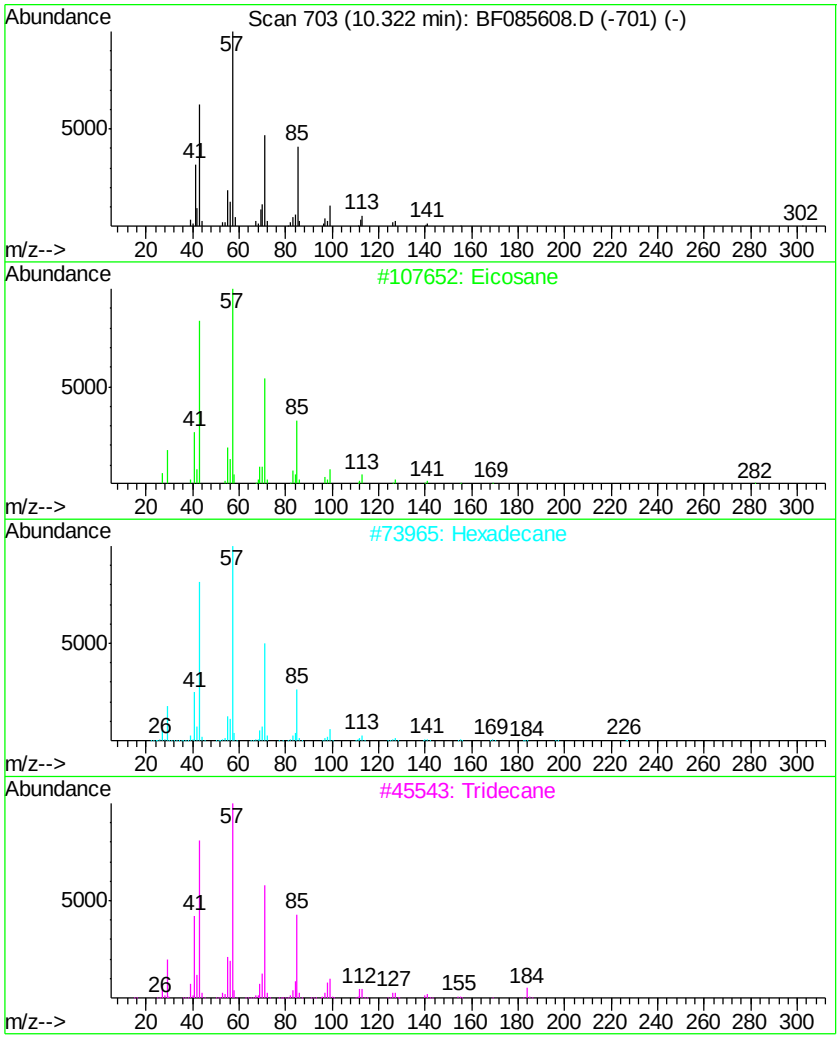
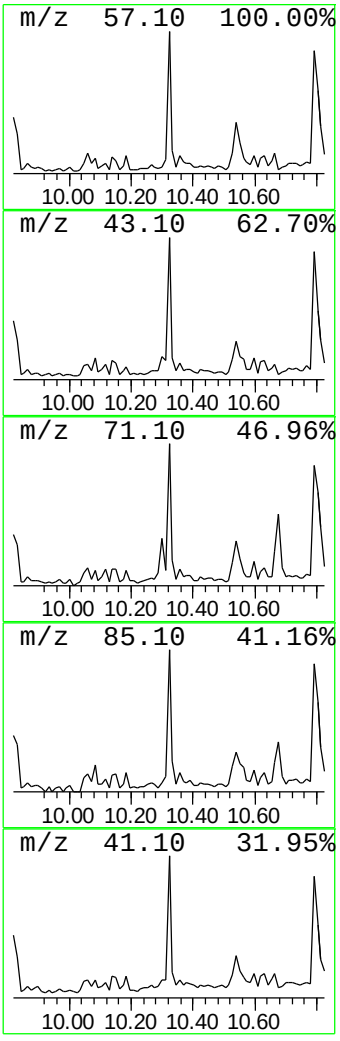
Peak Number 4 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.14 ng	111630	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86





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Acq On : 20 Mar 2016 9:53
Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

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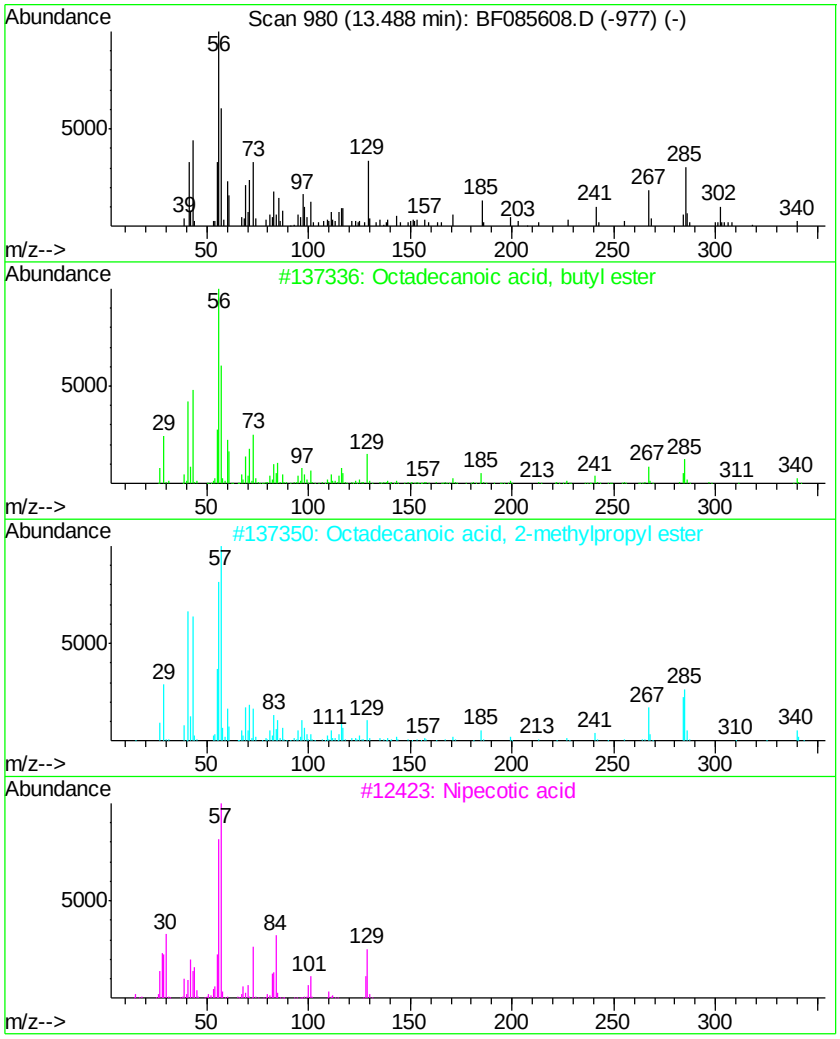
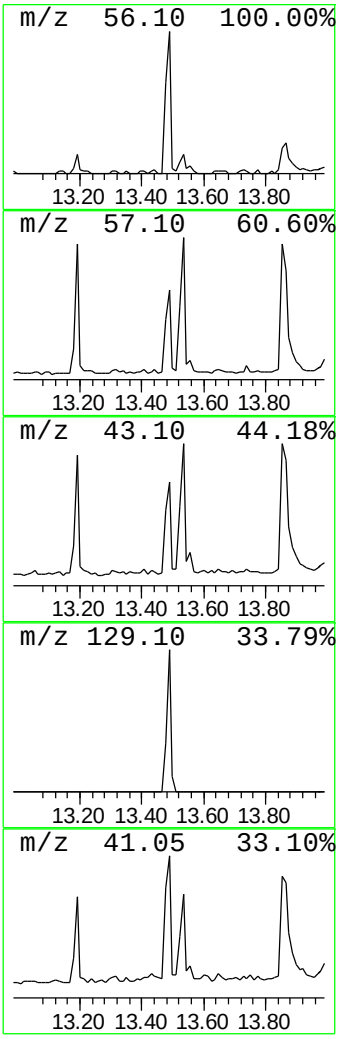
Peak Number 7 Octadecanoic acid, butyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	3.39 ng	145863	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	95
2	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	72
3	Nipecotic acid	129	C6H11NO2	000498-95-3	47
4	n-Butyl myristate	284	C18H36O2	000110-36-1	40
5	t-Butylpentafluorophenylmethylch...	302	C11H12ClF5Si	073000-03-0	35





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Acq On : 20 Mar 2016 9:53
Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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
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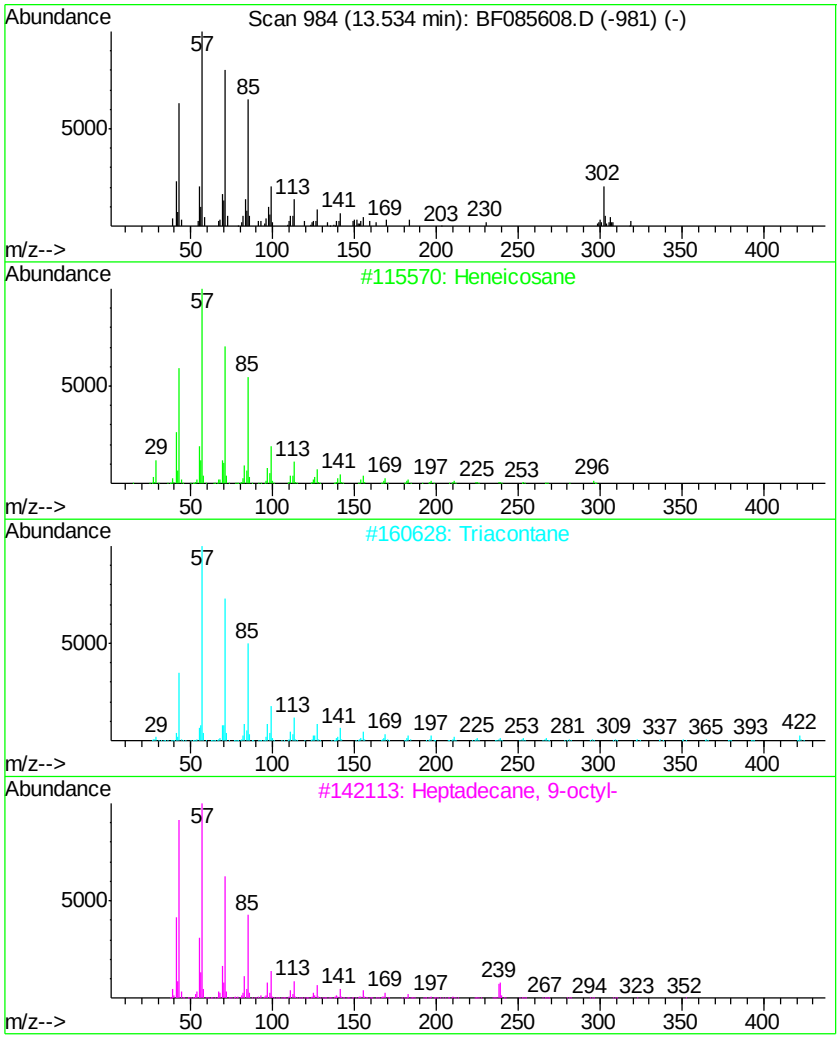
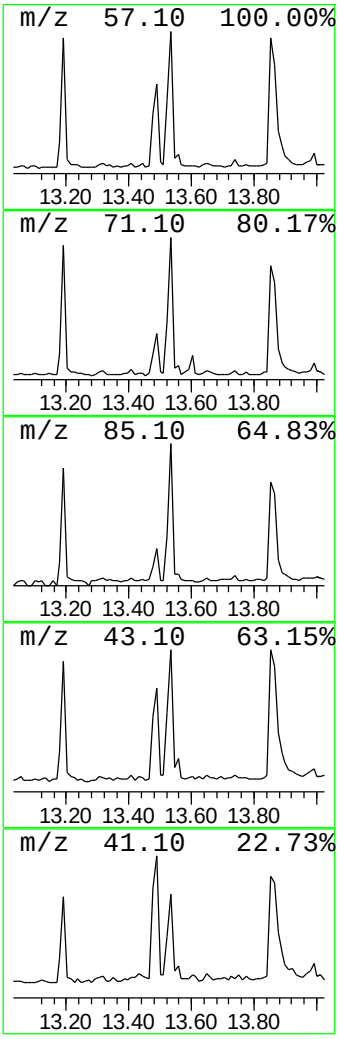
Peak Number 8 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.51 ng	108019	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	81
2	Triacontane	422	C30H62	000638-68-6	74
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	74
4	Nonacosane	408	C29H60	000630-03-5	72
5	Octadecane	254	C18H38	000593-45-3	72





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Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

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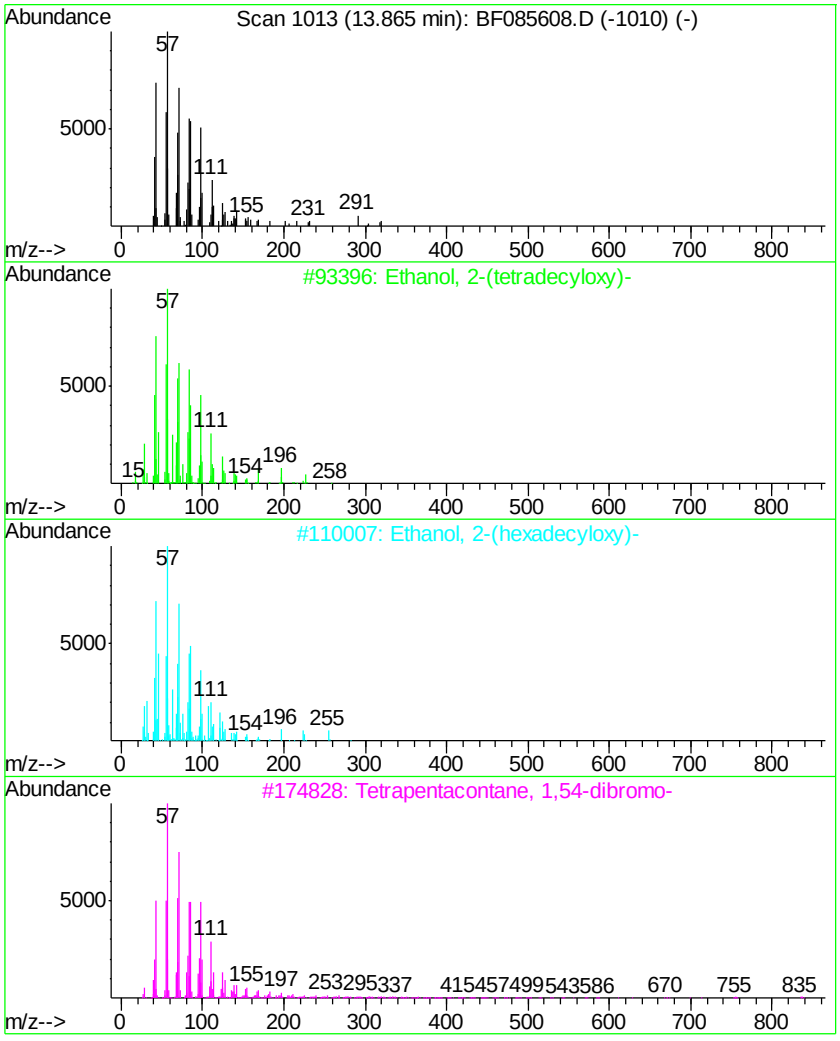
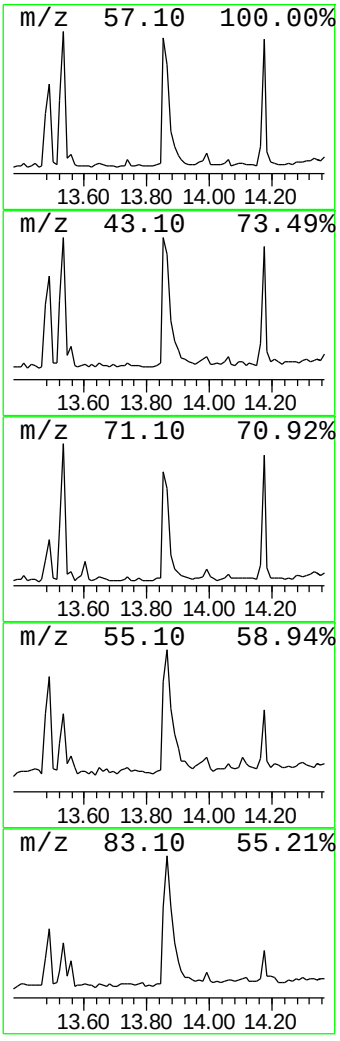
Peak Number 9 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	4.99 ng	214770	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
2	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	87
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	87
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	83
5	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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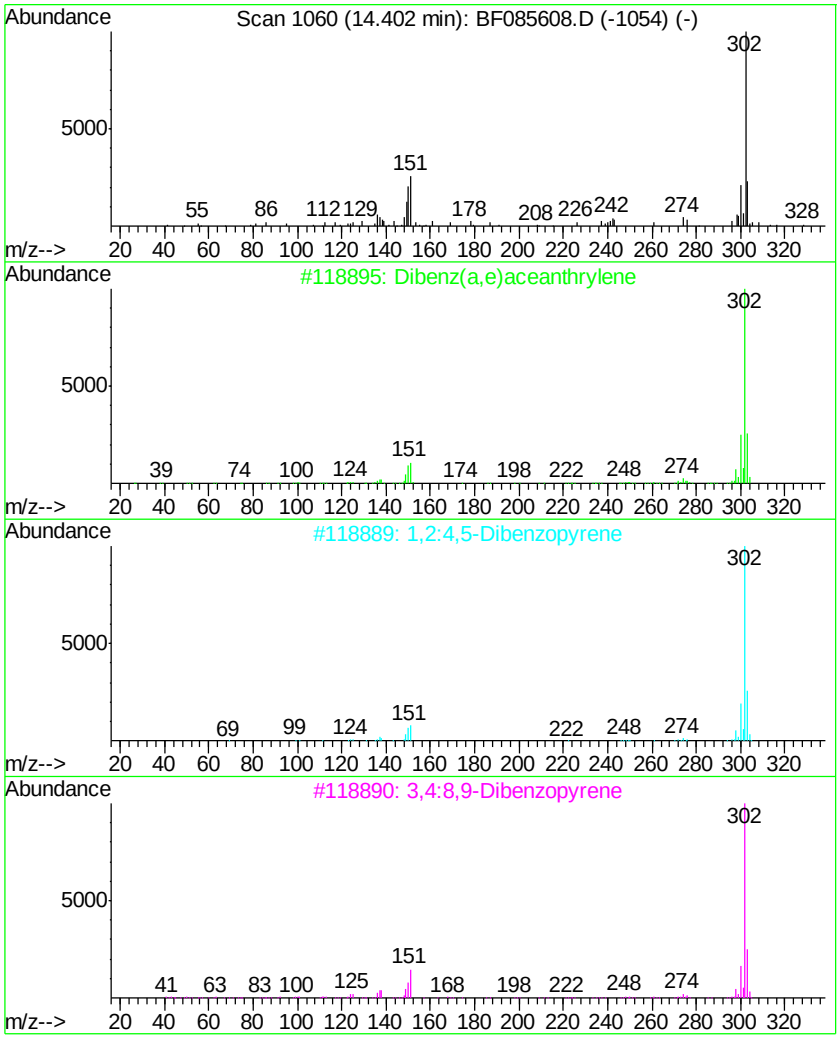
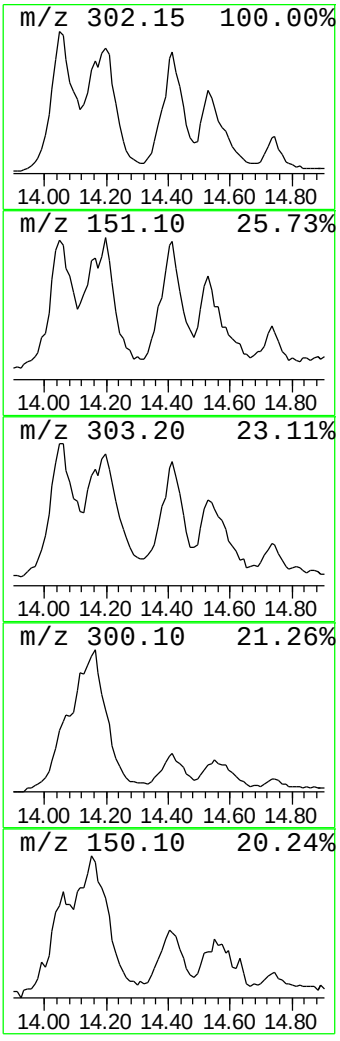
Peak Number 11 Dibenz(a,e)aceanthrylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	4.79 ng	206116	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	91
2	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	91
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	83
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76
5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	74





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085608.D
Acq On : 20 Mar 2016 9:53
Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

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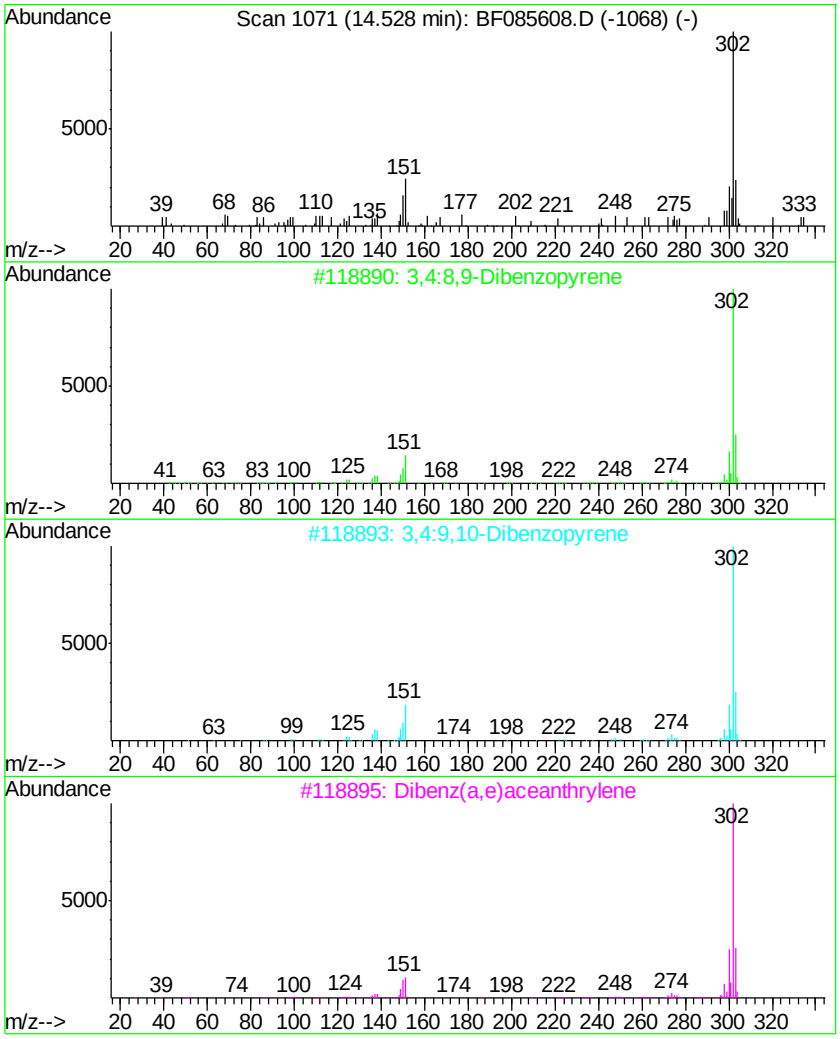
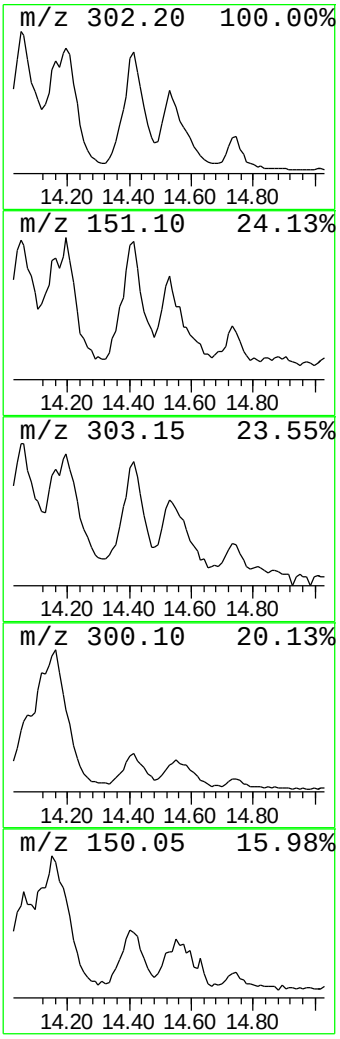
Peak Number 12 3,4:8,9-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	2.82 ng	121428	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	92
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	89
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	68
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	62
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	62





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Data File : BF085608.D
Acq On : 20 Mar 2016 9:53
Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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

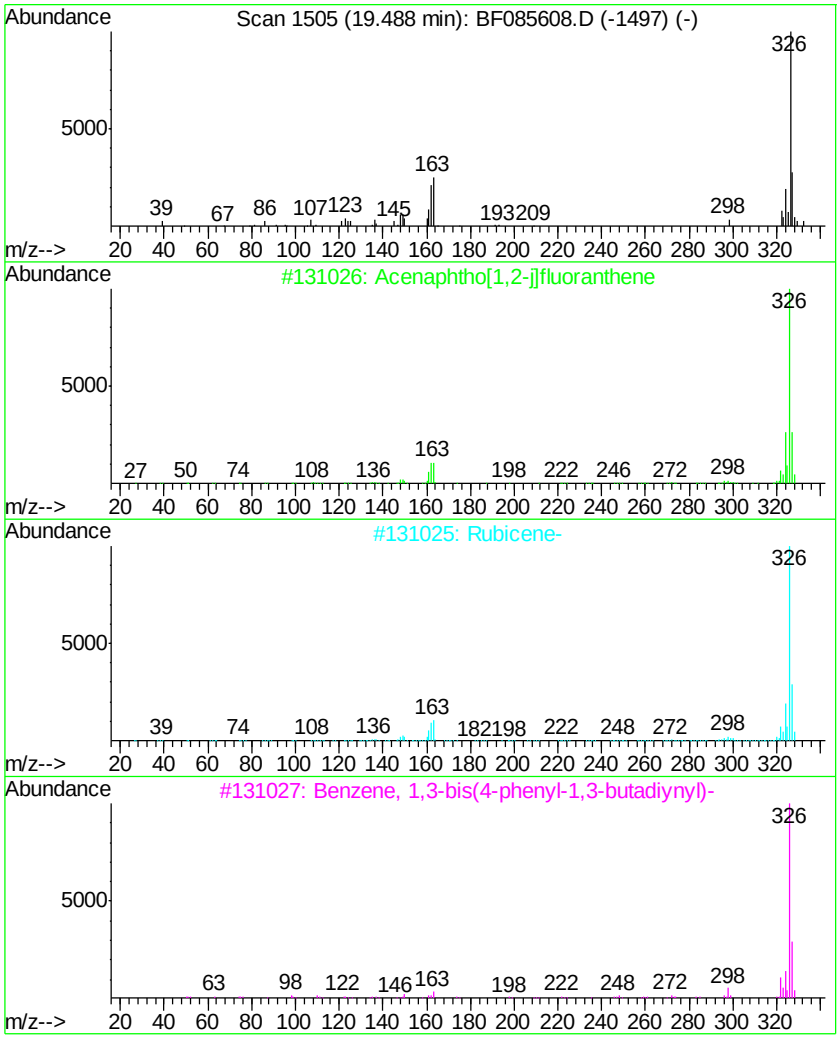
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

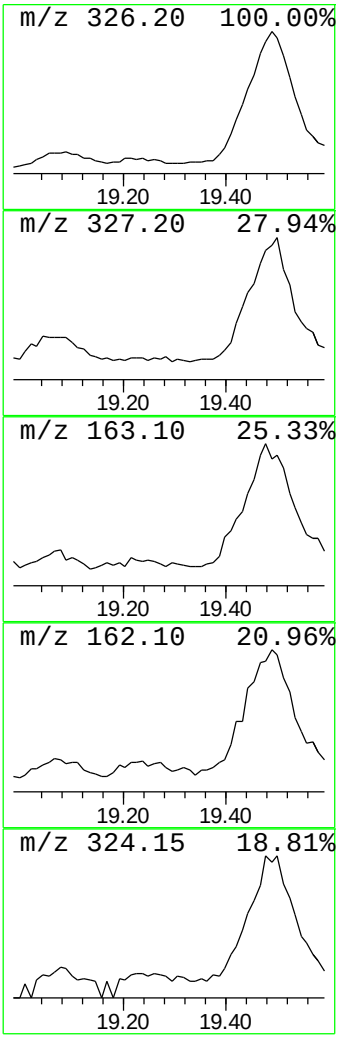
****

Peak Number 14 Acenaphtho[1,2-j]fluoranthene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	4.56 ng	169493	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphtho[1,2-j]fluoranthene	326	C26H14	000193-21-5	83
2	Rubicene-	326	C26H14	000197-61-5	76
3	Benzene, 1,3-bis(4-phenyl-1,3-bu...	326	C26H14	037902-13-9	59
4	2-(4-Biphenylyl)imidazo[2,1-b]be...	326	C21H14N2S	038956-29-5	53
5	4-(3-Nitroanilino)-5,6,7,8-tetra...	326	C16H14N4O2S	313952-58-8	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
Data File : BF085608.D
Acq On : 20 Mar 2016 9:53
Operator : UM/SJ
Sample : H1815-04
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-12-COMP

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
2-Pentanone, 4-hy...	5.05	11.6	ng	438040	1	6.85	755496	20.0
unknown6.62	6.62	92.8	ng	3503750	1	6.85	755496	20.0
Eicosane	10.32	2.1	ng	111630	3	9.89	1045420	20.0
Octadecanoic acid...	13.49	3.4	ng	145863	5	14.00	860369	20.0
Heneicosane	13.53	2.5	ng	108019	5	14.00	860369	20.0
Ethanol, 2-(tetra...	13.87	5.0	ng	214770	5	14.00	860369	20.0
Dibenz(a,e)aceant...	14.40	4.8	ng	206116	5	14.00	860369	20.0
3,4:8,9-Dibenzopy...	14.53	2.8	ng	121428	5	14.00	860369	20.0
Acenaphtho[1,2-j]...	19.49	4.6	ng	169493	6	15.43	743319	20.0