

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017556.D
 Acq On : 9 Jun 2015 3:08
 Operator : TP/IZ
 Sample : G2450-36
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-NBS13.3(2)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.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	2.747	6	10	14	rBV	28084	35192	2.43%	0.329%
2	4.709	340	344	349	rBV2	12776	16998	1.17%	0.159%
3	5.197	421	427	436	rBV	290227	427300	29.45%	3.997%
4	6.813	696	702	711	rBV	368112	581027	40.04%	5.435%
5	7.147	752	759	767	rBV	359366	553841	38.17%	5.181%
6	7.600	830	836	845	rVB	106385	163767	11.29%	1.532%
7	7.923	884	891	899	rVB	226392	355716	24.51%	3.328%
8	8.769	1028	1035	1043	rBV	215391	360391	24.84%	3.371%
9	10.397	1303	1312	1317	rBV	132649	220883	15.22%	2.066%
10	12.071	1590	1597	1603	rBV2	9488	16864	1.16%	0.158%
11	12.882	1729	1735	1743	rBV	602883	889254	61.28%	8.319%
12	13.734	1874	1880	1887	rBV2	39651	62632	4.32%	0.586%
13	14.268	1961	1971	1978	rBV2	186212	296257	20.42%	2.771%
14	14.333	1978	1982	1985	rVV	15260	19902	1.37%	0.186%
15	14.668	2034	2039	2046	rBV3	17105	27054	1.86%	0.253%
16	15.126	2114	2117	2122	rVB2	15032	19551	1.35%	0.183%
17	15.320	2145	2150	2155	rBV3	19776	28470	1.96%	0.266%
18	15.773	2220	2227	2235	rBV	620536	906673	62.48%	8.482%
19	15.996	2260	2265	2274	rBV6	17332	40711	2.81%	0.381%
20	16.677	2376	2381	2385	rBV3	13779	21717	1.50%	0.203%
21	16.783	2396	2399	2402	rVB3	13532	16291	1.12%	0.152%
22	16.842	2405	2409	2411	rBV4	14531	17701	1.22%	0.166%
23	17.024	2433	2440	2443	rBV	242761	343655	23.68%	3.215%
24	17.065	2443	2447	2452	rVB	198847	267965	18.47%	2.507%
25	17.153	2458	2462	2468	rVB2	38406	57649	3.97%	0.539%
26	17.218	2468	2473	2477	rBV6	8327	14867	1.02%	0.139%
27	17.435	2502	2510	2513	rBV	21854	34791	2.40%	0.325%
28	17.900	2584	2589	2591	rBV2	22391	32365	2.23%	0.303%
29	17.929	2591	2594	2603	rVV4	90838	168558	11.62%	1.577%
30	18.023	2607	2610	2617	rVV4	11037	20627	1.42%	0.193%
31	18.093	2617	2622	2625	rVV3	36510	64071	4.42%	0.599%
32	18.129	2625	2628	2634	rVB3	16704	26923	1.86%	0.252%
33	18.211	2639	2642	2647	rBV7	8542	14585	1.01%	0.136%
34	18.405	2670	2675	2679	rBV	26299	40706	2.81%	0.381%

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AVE-E-NBS13.3(2)

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Sampling : 1
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Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	18.446	2679	2682	2687	rVB3	26260	36287	2.50%	0.339%
36	18.828	2743	2747	2749	rBV4	14591	23866	1.64%	0.223%
37	18.969	2766	2771	2778	rVB8	17412	30155	2.08%	0.282%
38	19.086	2786	2791	2796	rBV	301331	404876	27.90%	3.787%
39	19.216	2811	2813	2820	rVB7	24255	38275	2.64%	0.358%
40	19.363	2834	2838	2842	rVB	57038	72634	5.01%	0.679%
41	19.451	2849	2853	2862	rVB	232729	355760	24.52%	3.328%
42	19.521	2862	2865	2870	rBV6	16581	27498	1.90%	0.257%
43	19.662	2881	2889	2894	rBV	1259800	1451048	100.00%	13.574%
44	19.697	2894	2895	2900	rVB5	18238	15508	1.07%	0.145%
45	19.774	2904	2908	2911	rBV5	21858	34085	2.35%	0.319%
46	19.909	2928	2931	2934	rBV5	14527	28288	1.95%	0.265%
47	19.950	2935	2938	2944	rVB2	35726	51712	3.56%	0.484%
48	20.050	2952	2955	2959	rBV2	25420	36318	2.50%	0.340%
49	20.109	2963	2965	2969	rVB	22657	25116	1.73%	0.235%
50	20.256	2986	2990	2992	rBV2	14510	18260	1.26%	0.171%
51	20.408	3013	3016	3022	rVB3	50752	58889	4.06%	0.551%
52	20.467	3024	3026	3029	rVB4	16786	15873	1.09%	0.148%
53	20.702	3063	3066	3069	rBV2	25179	33427	2.30%	0.313%
54	20.931	3101	3105	3111	rVB3	104463	145264	10.01%	1.359%
55	21.219	3147	3154	3157	rBV2	365692	602390	41.51%	5.635%
56	21.254	3157	3160	3164	rVB	124587	140314	9.67%	1.313%
57	21.372	3177	3180	3184	rVB3	39208	37968	2.62%	0.355%
58	22.776	3415	3419	3423	rBV	88431	167159	11.52%	1.564%
59	23.252	3497	3500	3507	rVB2	54062	91550	6.31%	0.856%
60	23.346	3512	3516	3523	rVB	96669	183813	12.67%	1.719%
61	23.446	3527	3533	3539	rBV	206287	398637	27.47%	3.729%

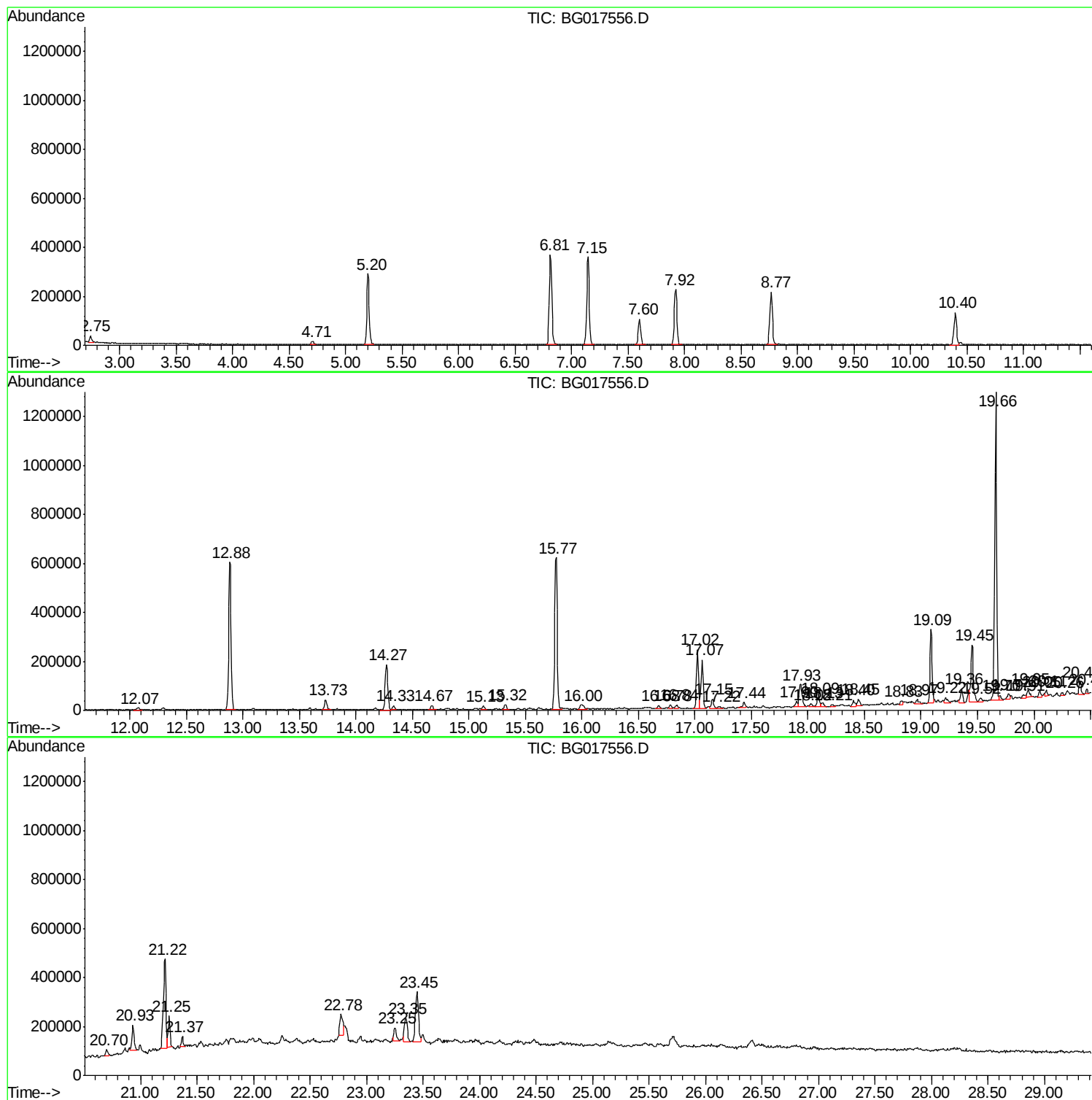
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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ClientSampleId :
AVE-E-NBS13.3(2)

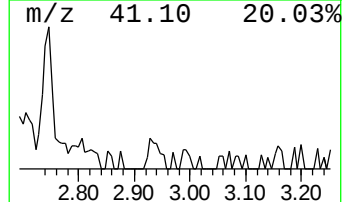
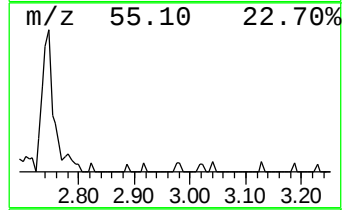
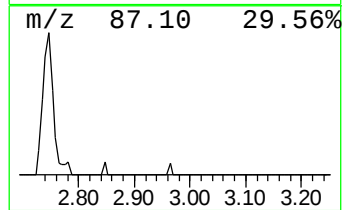
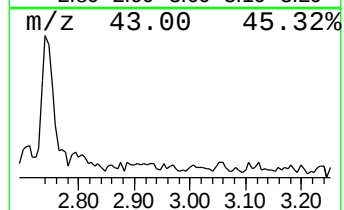
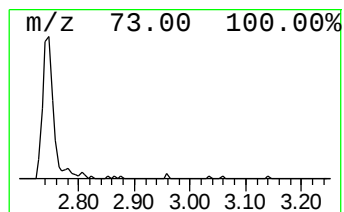
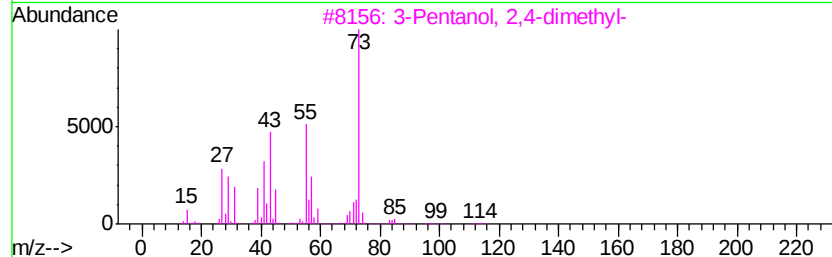
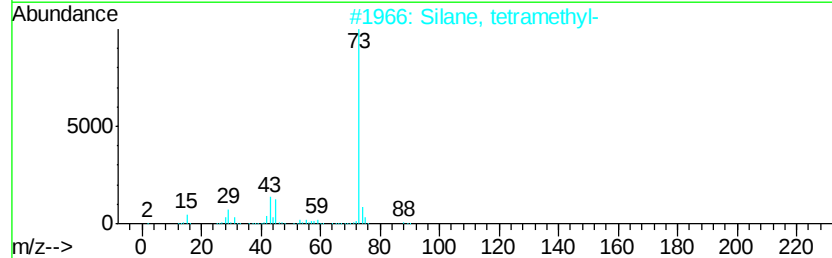
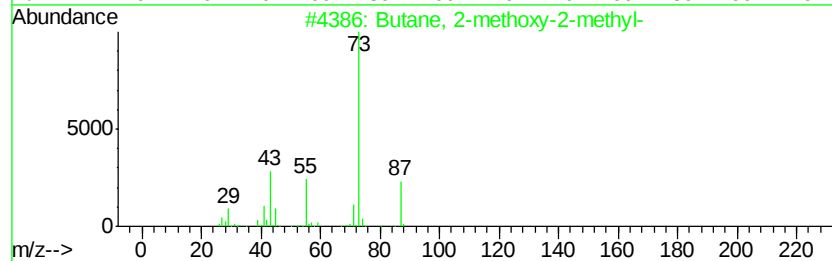
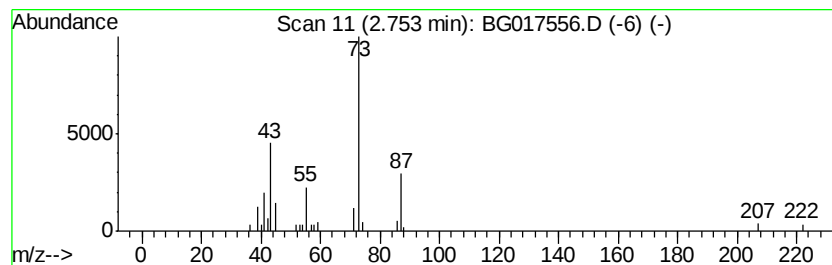
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.75	4.30 ng	35192	1,4-Dichlorobenzene-d4	7.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2			Silane, tetramethyl-	88	C4H12Si	000075-76-3	27
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
4			Butanoic acid, 2-hydroxy-2-methyl-	132	C6H12O3	032793-34-3	16
5			2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	10



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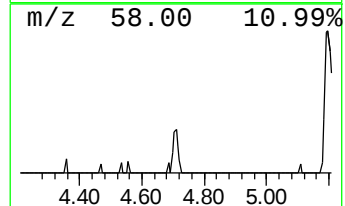
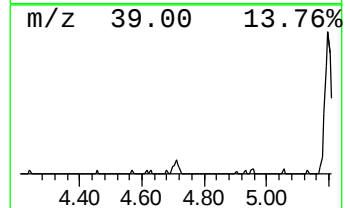
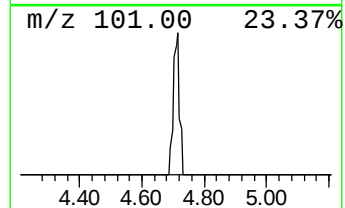
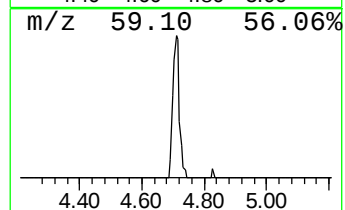
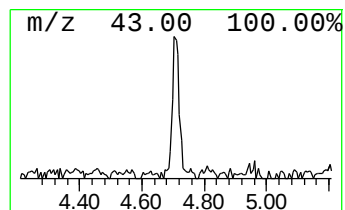
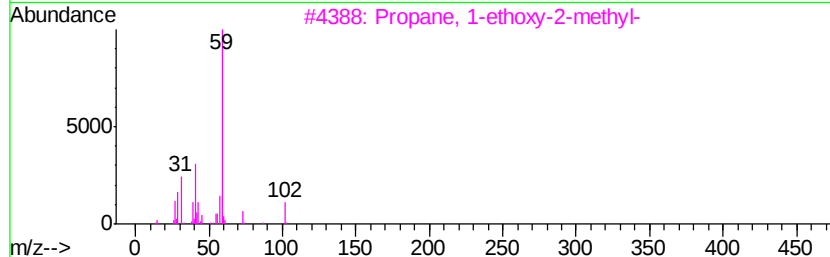
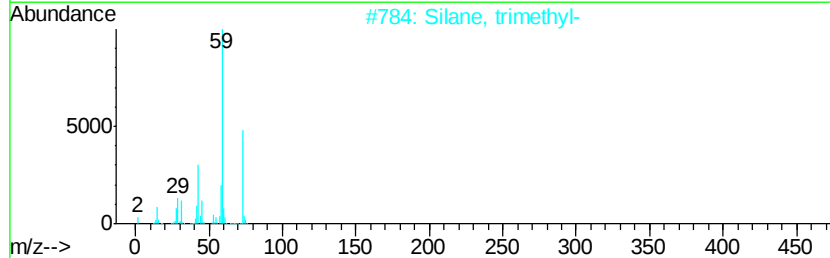
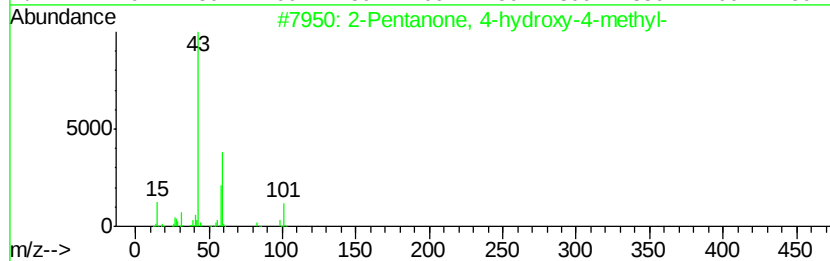
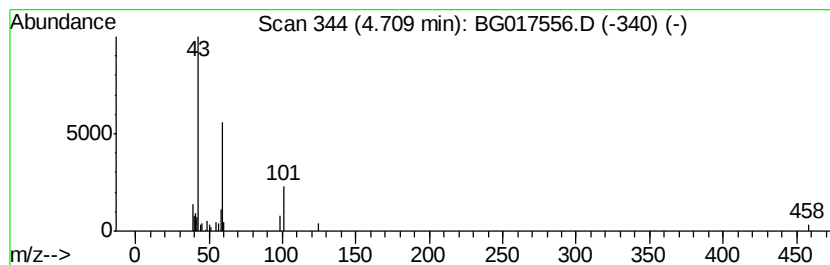
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	2.08 ng	16998	1,4-Dichlorobenzene-d4	7.60

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Silane, trimethyl-	74	C3H10Si	000993-07-7	17
3			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	10
4			4-Penten-2-one, 3-methyl-	98	C6H10O	000758-87-2	9
5			5-Hexen-2-one	98	C6H10O	000109-49-9	9



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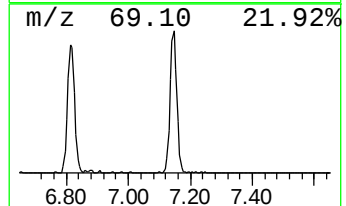
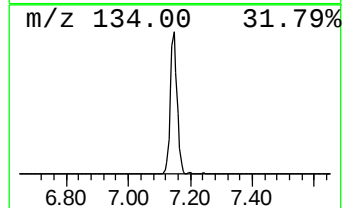
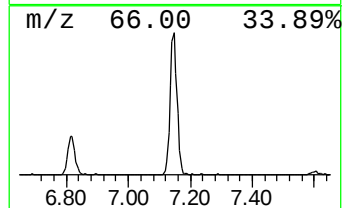
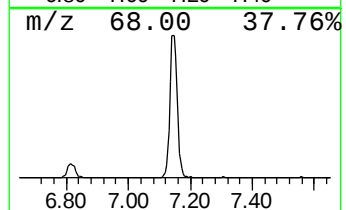
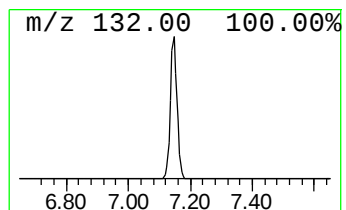
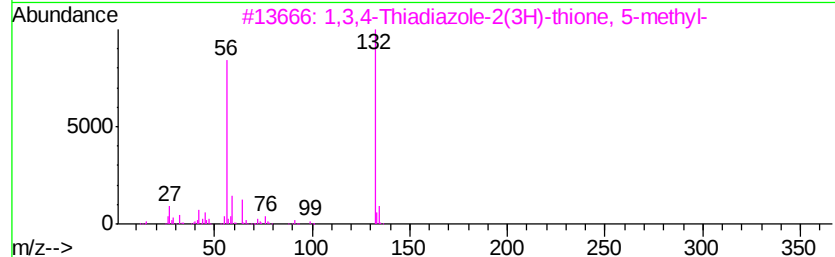
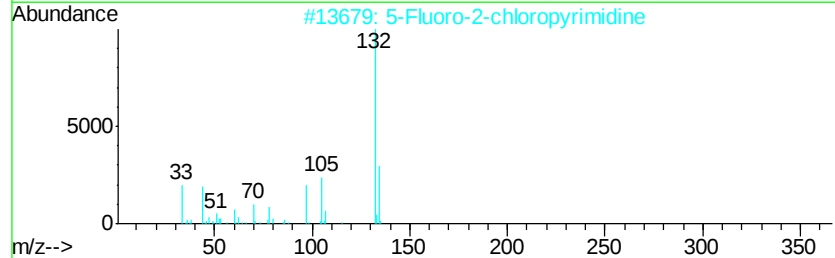
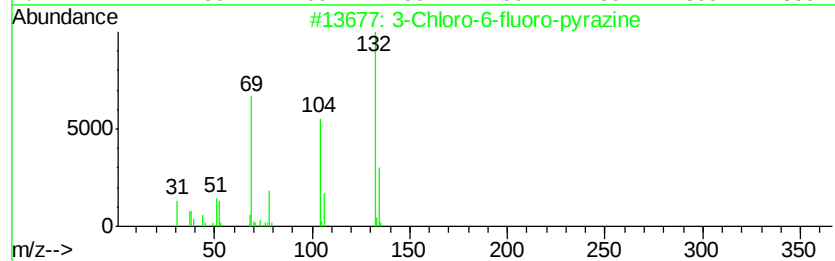
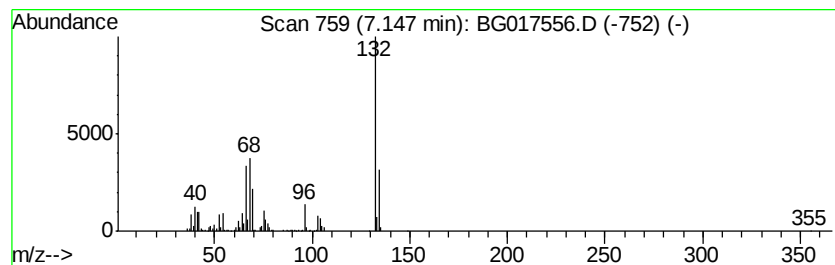
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown7.15 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	67.64 ng	553841	1,4-Dichlorobenzene-d4	7.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	35
3		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	27
5		3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	25



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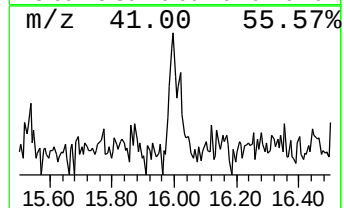
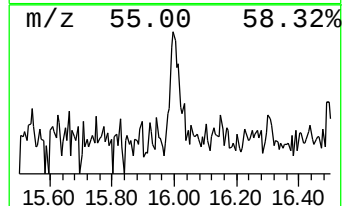
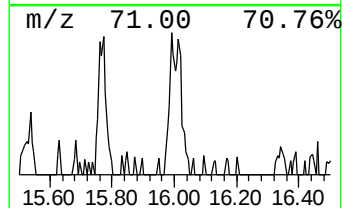
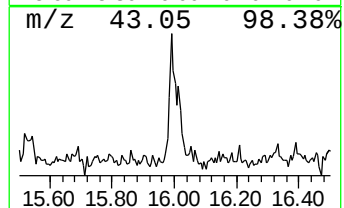
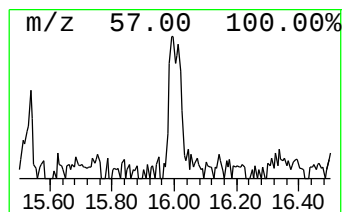
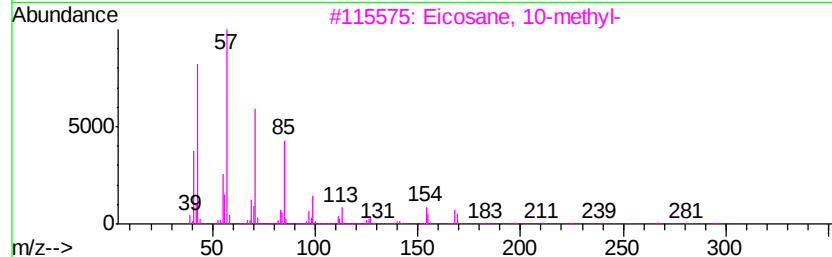
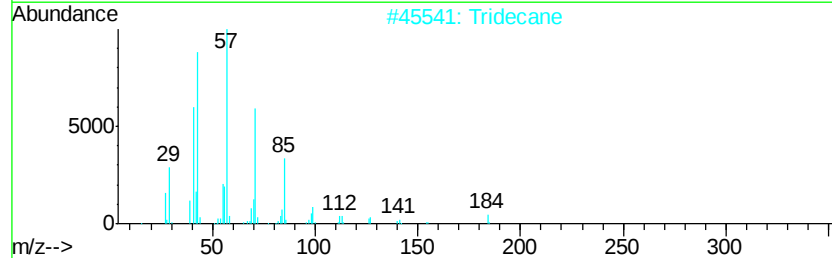
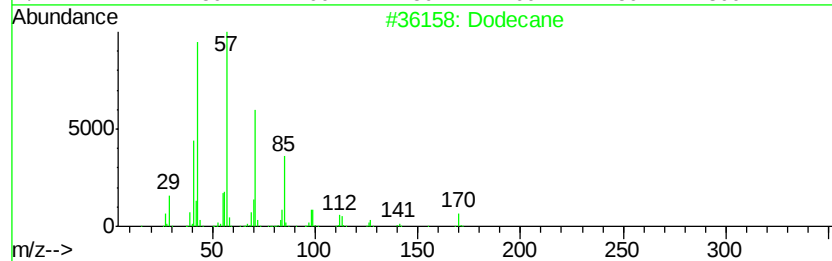
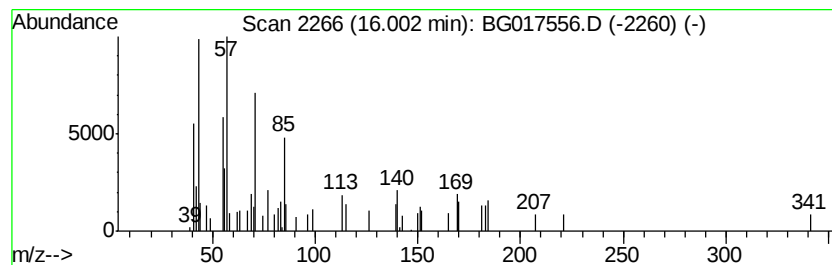
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.37 ng	40711	Phenanthrene-d10	17.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane		170	C12H26	000112-40-3	55
2	Tridecane		184	C13H28	000629-50-5	55
3	Eicosane, 10-methyl-		296	C21H44	054833-23-7	50
4	Nonadecane		268	C19H40	000629-92-5	46
5	Hexadecane		226	C16H34	000544-76-3	46



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AVE-E-NBS13.3(2)

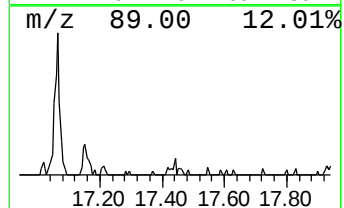
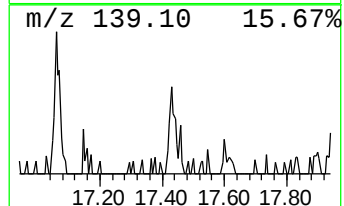
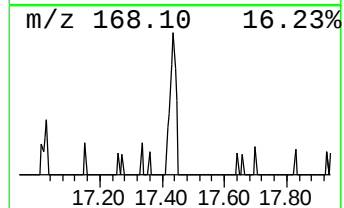
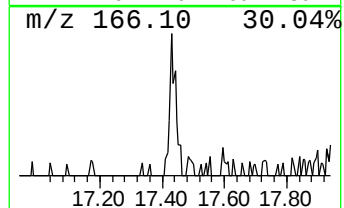
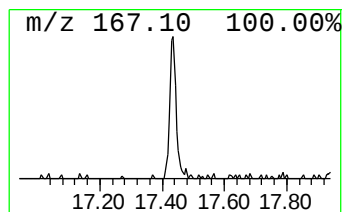
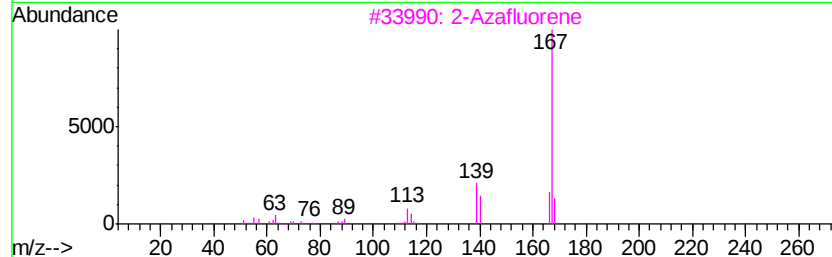
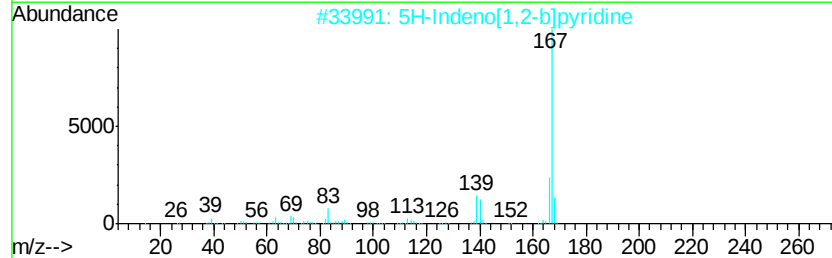
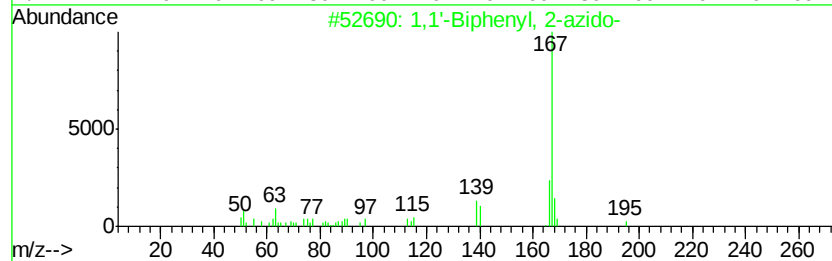
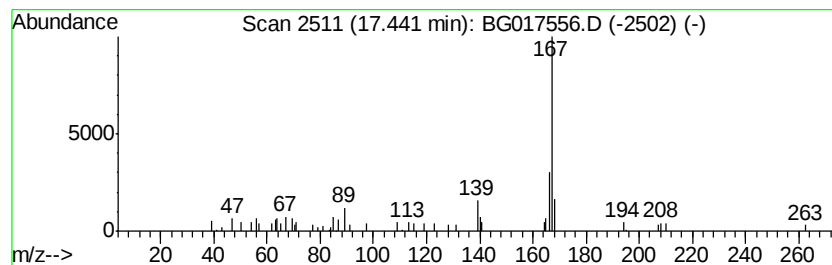
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2-azido- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	2.02 ng	34791	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	93
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	86
3	2-Azafluorene	167	C12H9N	000244-40-6	78
4	Carbazole	167	C12H9N	000086-74-8	78
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	78



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
Sample : G2450-36
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.3(2)

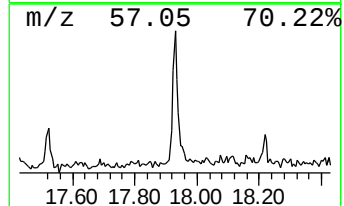
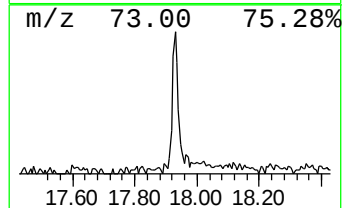
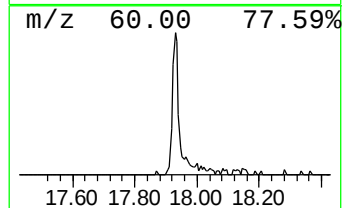
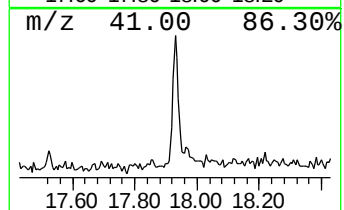
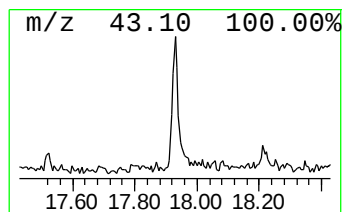
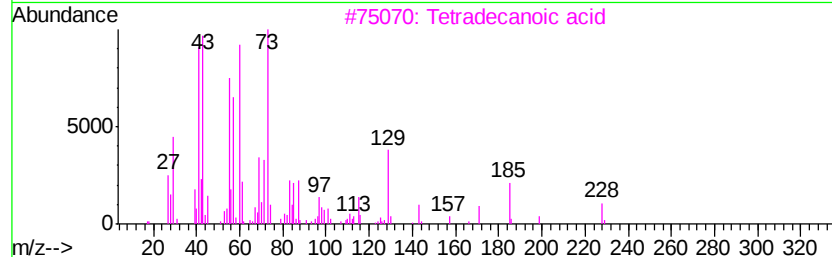
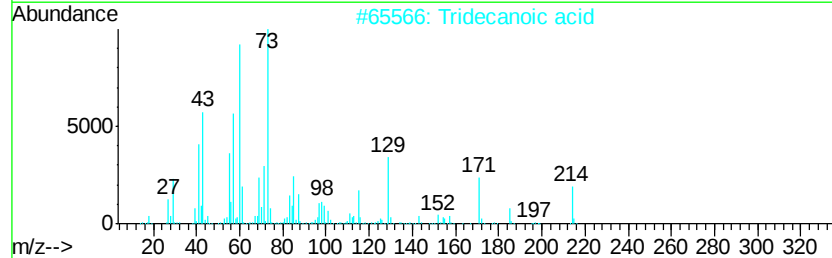
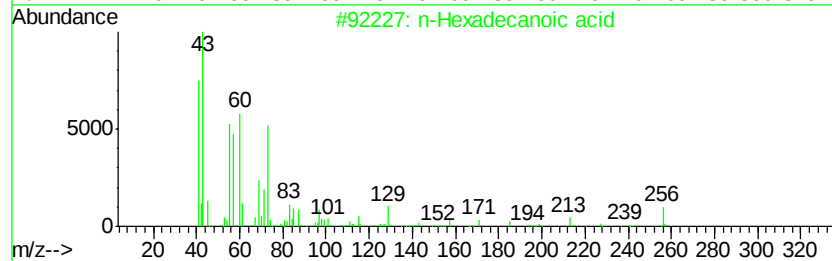
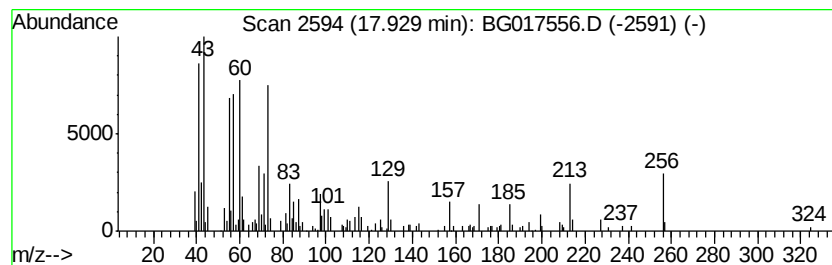
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	9.81 ng	168558	Phenanthrene-d10	17.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Tridecanoic acid	214	C13H26O2	000638-53-9	64
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	62
4		Undecanoic acid	186	C11H22O2	000112-37-8	60
5		1-Phenazinecarboxylic acid, 6-[1...	506	C31H42N2O4	120464-92-8	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
Sample : G2450-36
Misc :
ALS Vial : 16 Sample Multiplier: 1

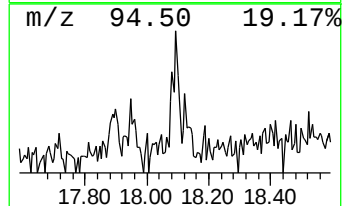
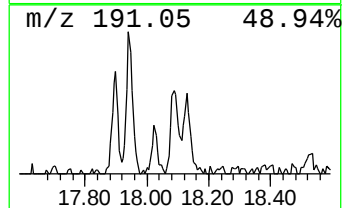
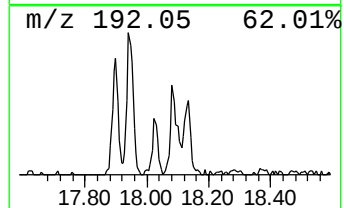
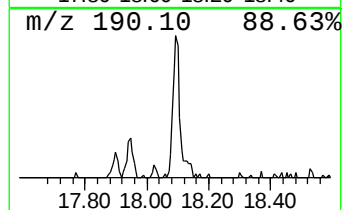
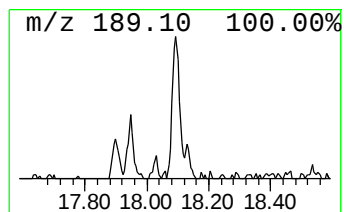
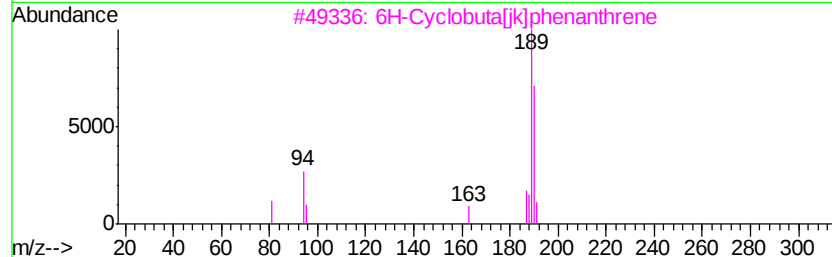
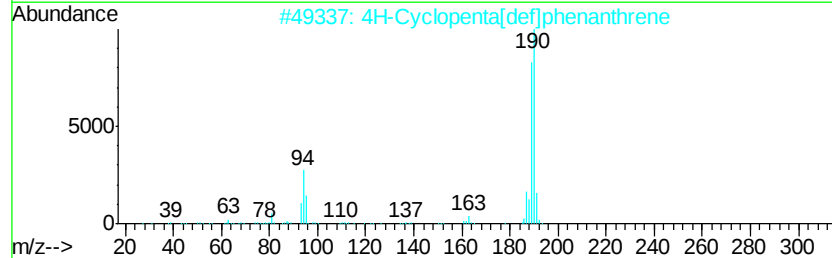
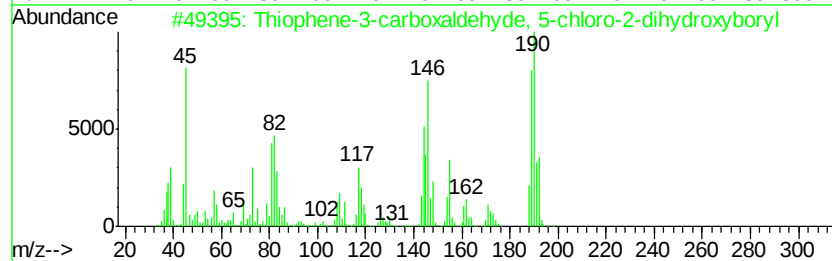
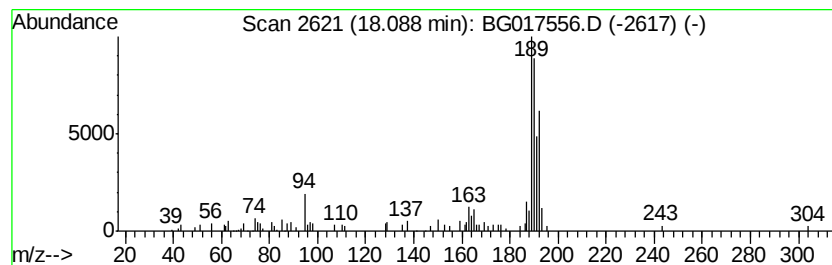
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AVE-E-NBS13.3(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Thiophene-3-carboxaldehyde,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
18.09	3.73 ng	64071	Phenanthrene-d10		17.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	38
5	Pyrimidine, 2-chloro-5-phenyl-	190	C10H7ClN2	022536-62-5	30



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
Sample : G2450-36
Misc :
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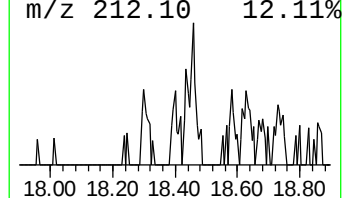
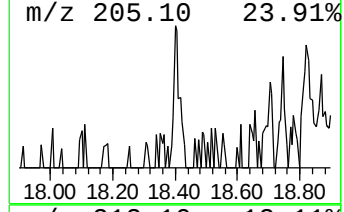
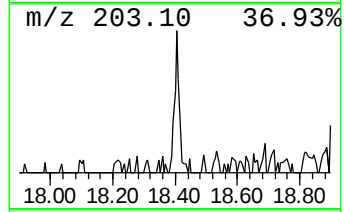
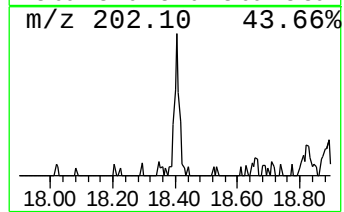
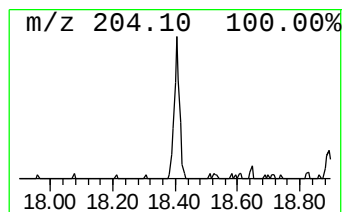
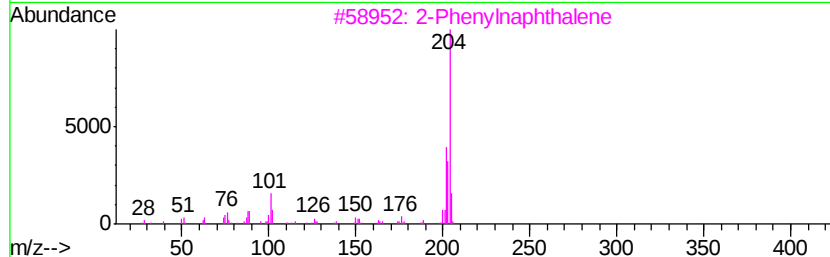
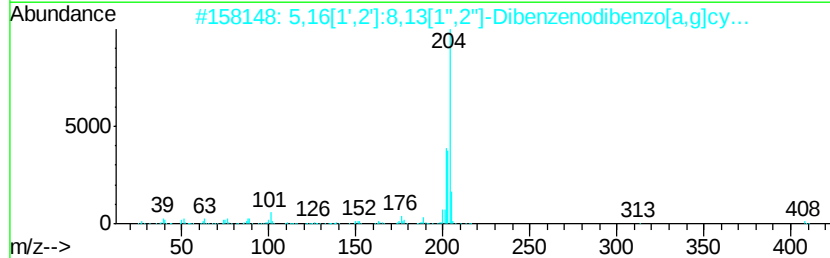
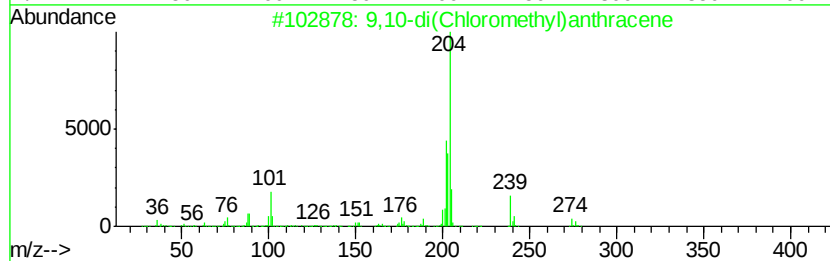
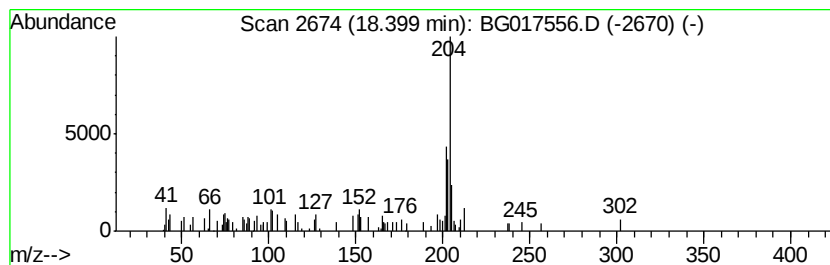
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-di(Chloromethyl)anthra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.40	2.37 ng	40706	Phenanthrene-d10	17.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	80	
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72	
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	58	
4	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	56	
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
Sample : G2450-36
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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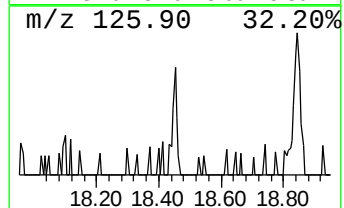
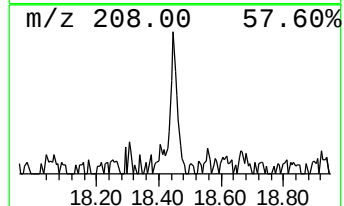
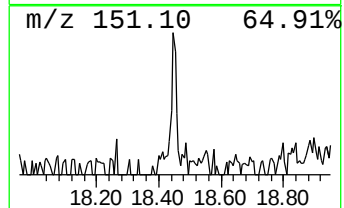
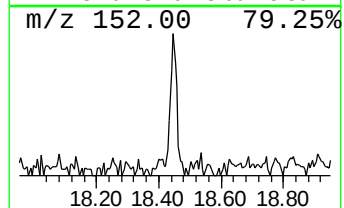
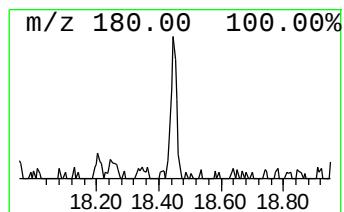
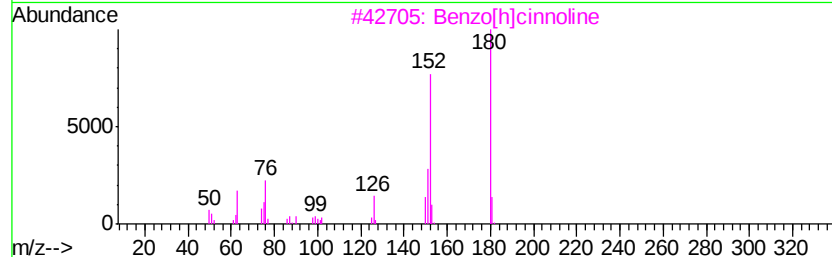
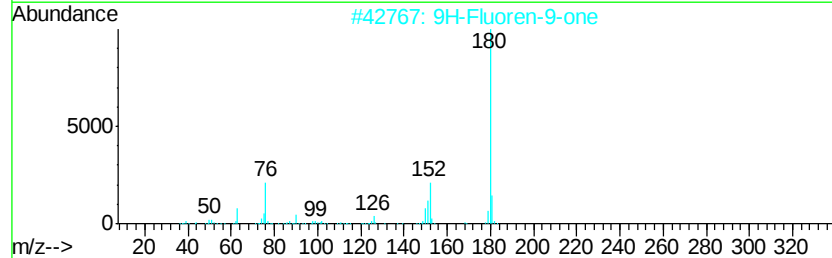
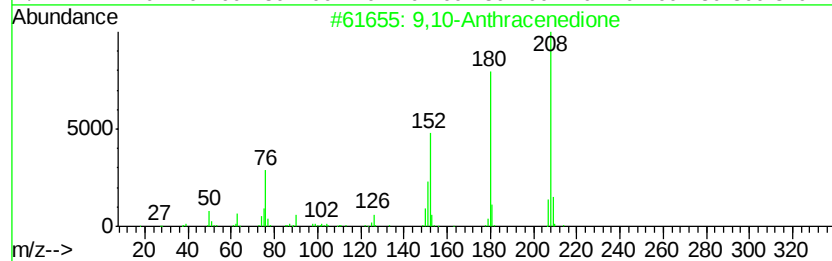
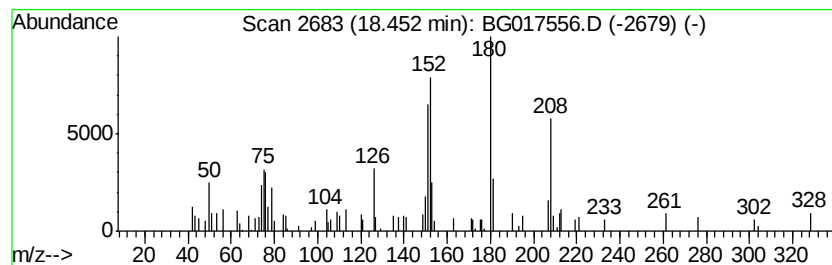
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.11 ng	36287	Phenanthrene-d10	17.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	52



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AVE-E-NBS13.3(2)

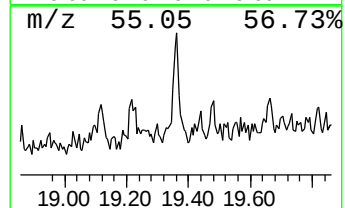
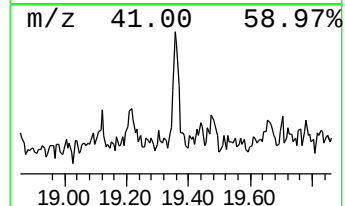
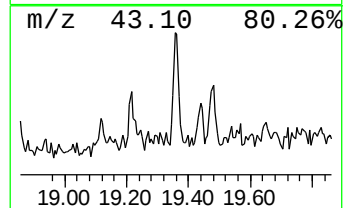
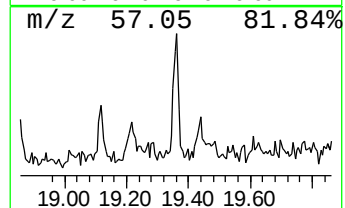
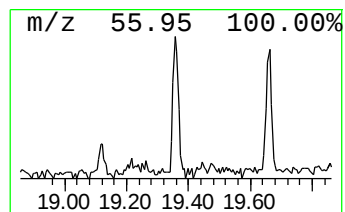
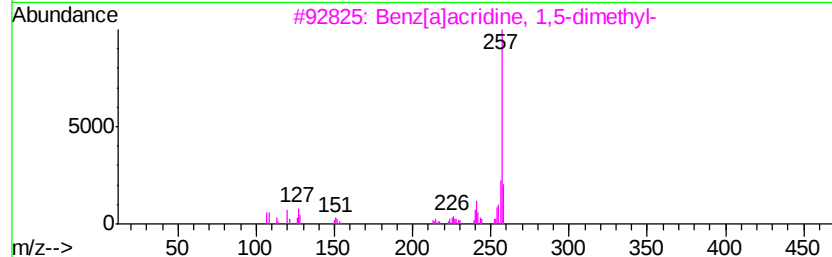
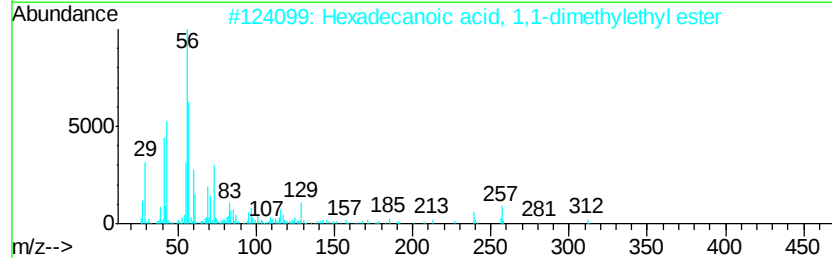
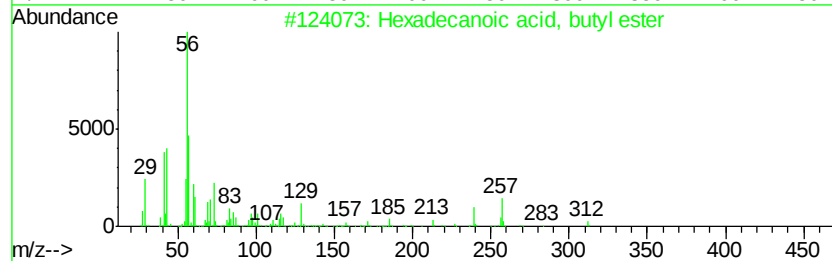
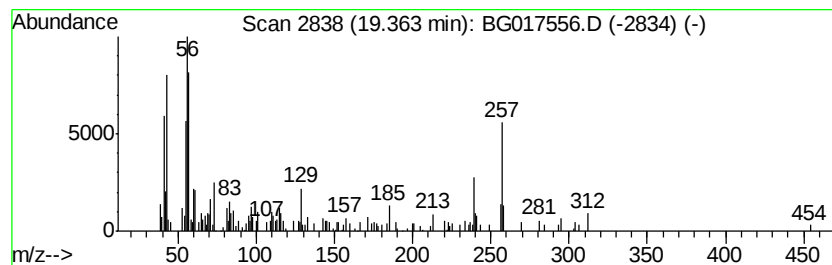
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecanoic acid, butyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	2.41 ng	72634	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	94
2		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	53
3		Benz[a]acridine, 1,5-dimethyl-	257	C19H15N	055030-47-2	50
4		Benz[c]acridine, 5,9-dimethyl-	257	C19H15N	003518-03-4	46
5		Benz[c]acridine, 5,10-dimethyl-	257	C19H15N	003518-04-5	43



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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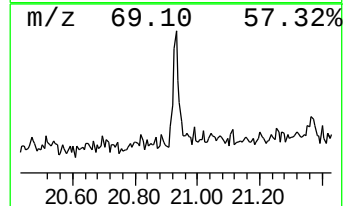
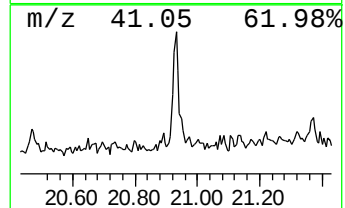
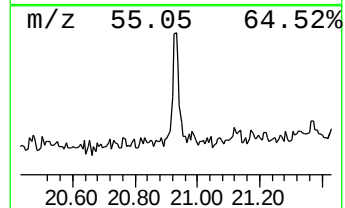
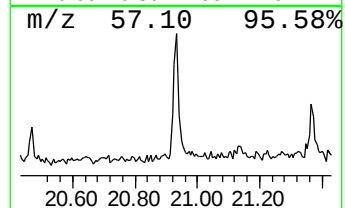
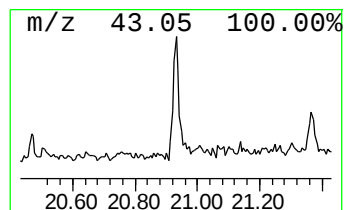
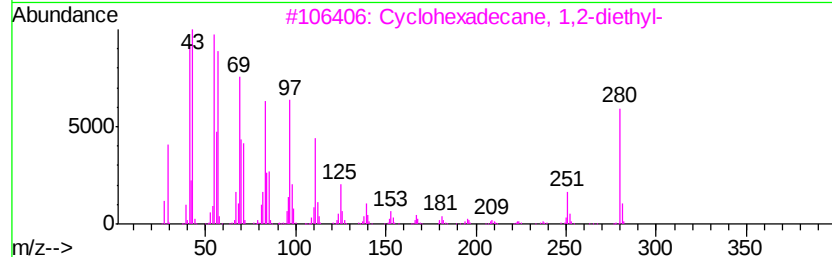
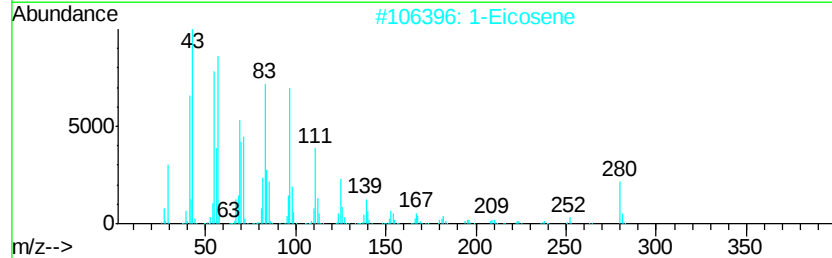
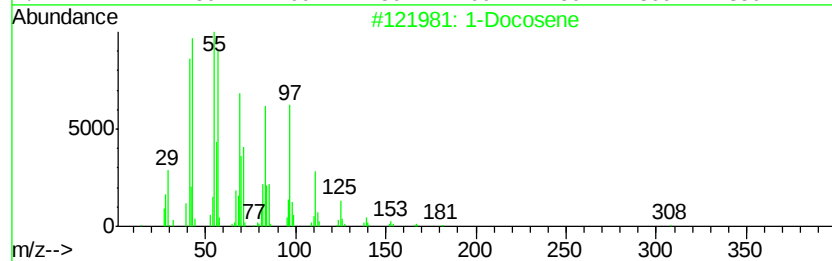
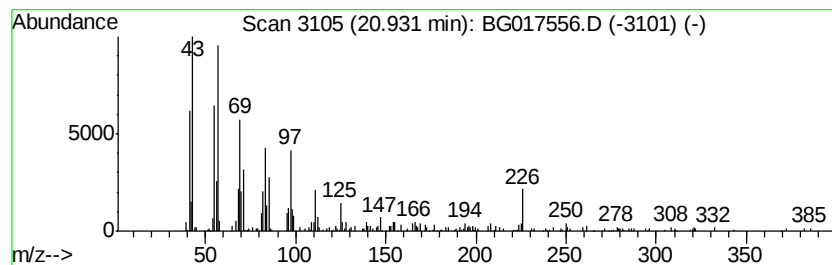
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ClientSampleId :
AVE-E-NBS13.3(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
20.93	4.82 ng	145264	Chrysene-d12		21.22	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Docosene	308	C22H44	001599-67-3	98
2		1-Eicosene	280	C20H40	003452-07-1	94
3		Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	94
4		3-Hexadecene, (Z)-	224	C16H32	034303-81-6	86
5		1-Eicosanol	298	C20H42O	000629-96-9	76



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017556.D
Acq On : 9 Jun 2015 3:08
Operator : TP/IZ
Sample : G2450-36
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
AVE-E-NBS13.3(2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.75	4.3	ng	35192	1	7.60	163767	20.0
2-Pentanone, 4-hy...	4.71	2.1	ng	16998	1	7.60	163767	20.0
unknown7.15	7.15	67.6	ng	553841	1	7.60	163767	20.0
Dodecane	16.00	2.4	ng	40711	4	17.02	343655	20.0
1,1'-Biphenyl, 2-...	17.44	2.0	ng	34791	4	17.02	343655	20.0
n-Hexadecanoic acid	17.93	9.8	ng	168558	4	17.02	343655	20.0
Thiophene-3-carbo...	18.09	3.7	ng	64071	4	17.02	343655	20.0
9,10-di(Chloromet...	18.40	2.4	ng	40706	4	17.02	343655	20.0
9,10-Anthracenedione	18.45	2.1	ng	36287	4	17.02	343655	20.0
Hexadecanoic acid...	19.36	2.4	ng	72634	5	21.22	602390	20.0
1-Docosene	20.93	4.8	ng	145264	5	21.22	602390	20.0