

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021786.D
 Acq On : 20 Apr 2016 15:44
 Operator : UM/SJ
 Sample : H2413-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-D-4(0-2)

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-BG041316.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	3.094	38	43	63	rVB	2512536	3948442	100.00%	18.643%
2	5.291	410	417	424	rBV	60572	94921	2.40%	0.448%
3	5.767	491	498	507	rBV	669937	1093251	27.69%	5.162%
4	7.371	762	771	782	rBV	700868	1240934	31.43%	5.859%
5	7.747	827	835	844	rVB	694409	1211712	30.69%	5.721%
6	8.217	908	915	922	rBV	152854	269384	6.82%	1.272%
7	8.540	962	970	981	rVB	499696	887222	22.47%	4.189%
8	9.386	1105	1114	1124	rBV	426441	792480	20.07%	3.742%
9	11.032	1387	1394	1402	rBV	217560	403324	10.21%	1.904%
10	13.452	1798	1806	1814	rBV	958827	1513475	38.33%	7.146%
11	14.263	1937	1944	1951	rBV	99482	146302	3.71%	0.691%
12	14.827	2033	2040	2046	rBV2	316619	514547	13.03%	2.429%
13	15.638	2173	2178	2184	rVB	39991	51606	1.31%	0.244%
14	15.867	2212	2217	2223	rVB2	24856	39750	1.01%	0.188%
15	16.308	2285	2292	2301	rVB	722983	1110306	28.12%	5.242%
16	16.496	2319	2324	2336	rBV2	49668	97386	2.47%	0.460%
17	17.283	2452	2458	2463	rBV	34241	48353	1.22%	0.228%
18	17.559	2497	2505	2509	rBV2	351953	575342	14.57%	2.717%
19	17.600	2509	2512	2519	rVV	275724	421112	10.67%	1.988%
20	17.694	2523	2528	2533	rVB	67053	101240	2.56%	0.478%
21	18.435	2649	2654	2657	rBV	40862	59899	1.52%	0.283%
22	18.482	2657	2662	2668	rVB	59911	97673	2.47%	0.461%
23	18.629	2680	2687	2690	rBV3	79136	149875	3.80%	0.708%
24	18.922	2732	2737	2740	rBV	36367	55239	1.40%	0.261%
25	18.963	2740	2744	2748	rVB2	42253	60221	1.53%	0.284%
26	19.334	2802	2807	2812	rBV2	40412	69503	1.76%	0.328%
27	19.598	2846	2852	2857	rBV	652430	939867	23.80%	4.438%
28	19.821	2886	2890	2899	rVB2	123372	181311	4.59%	0.856%
29	19.962	2903	2914	2920	rVV	528768	988219	25.03%	4.666%
30	20.021	2921	2924	2930	rVB2	25984	40964	1.04%	0.193%
31	20.144	2939	2945	2950	rBV	1253149	1679885	42.55%	7.932%
32	20.544	3009	3013	3016	rBV	75463	103744	2.63%	0.490%
33	20.855	3063	3066	3073	rBV2	94395	129566	3.28%	0.612%
34	21.437	3162	3165	3171	rVB3	154490	236329	5.99%	1.116%

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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

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35	21.831	3225	3232	3238	rBV2	435693	1128459	28.58%	5.328%
36	21.884	3238	3241	3249	rVB	220523	373902	9.47%	1.765%
37	24.110	3615	3620	3628	rBV	97154	323716	8.20%	1.528%

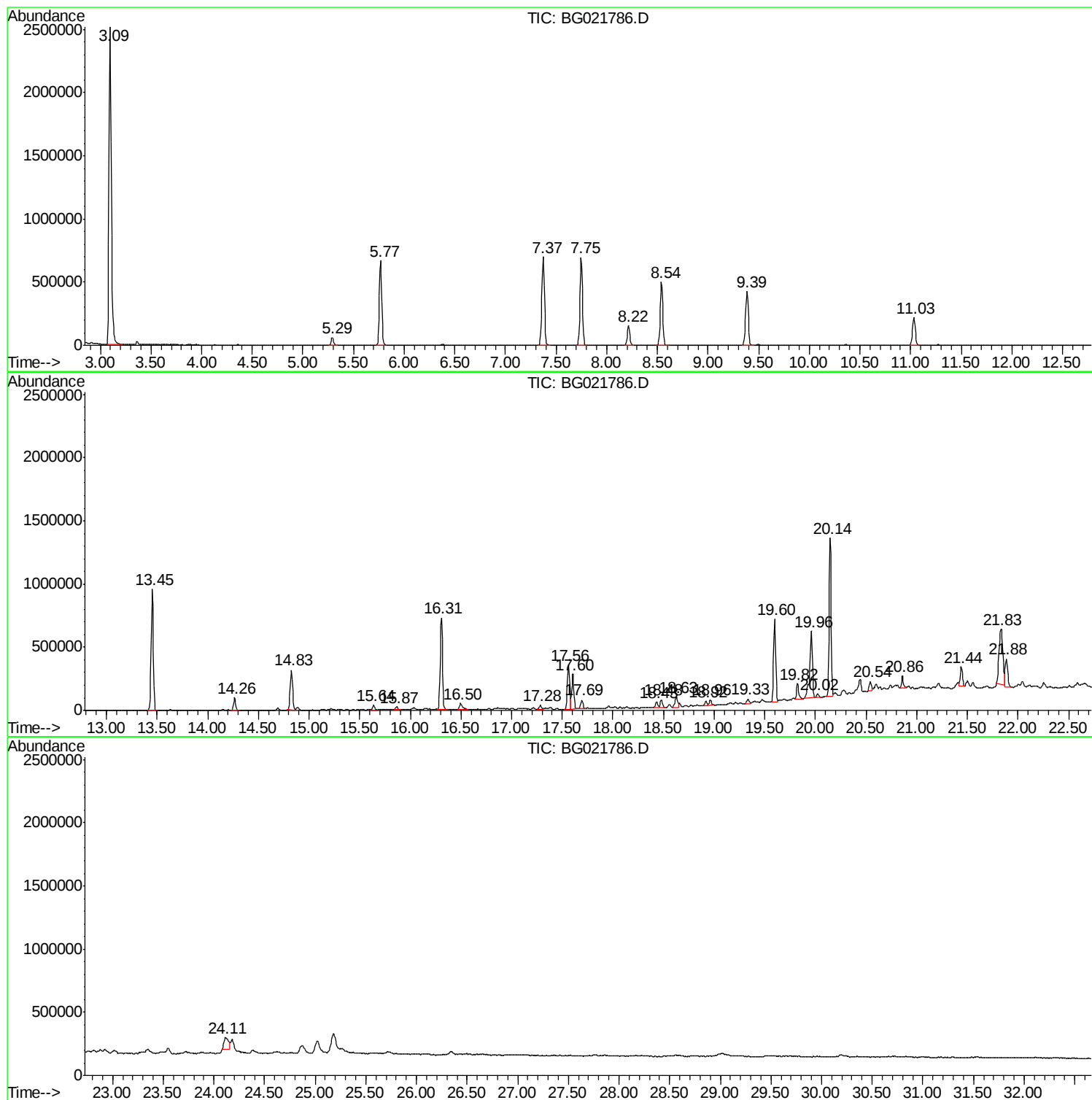
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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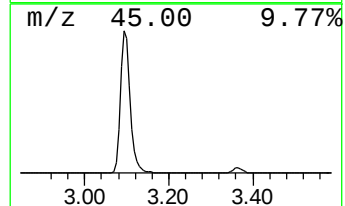
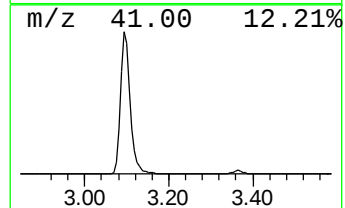
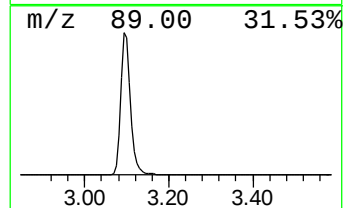
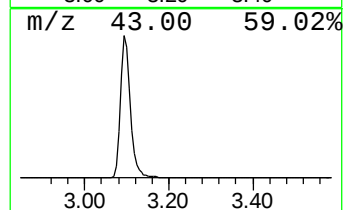
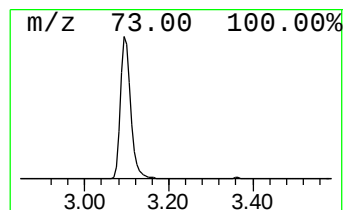
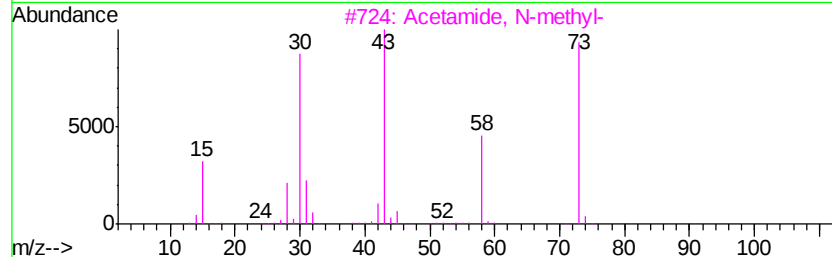
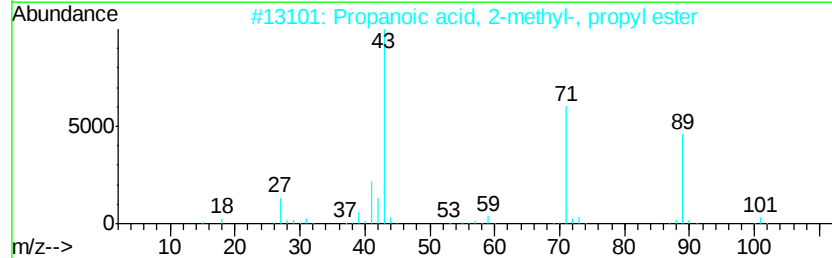
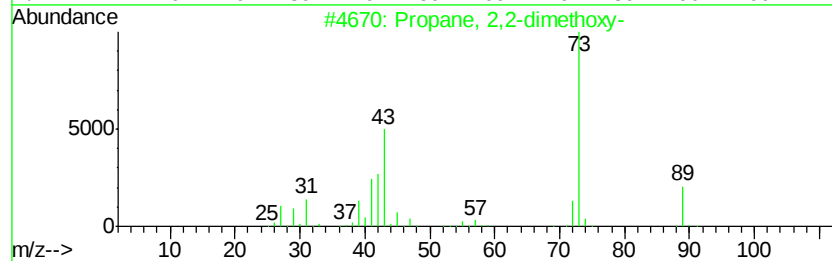
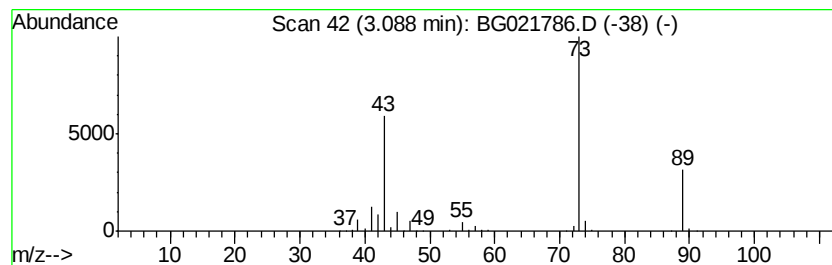
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown3.09 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.09	293.15 ng	3948440	1,4-Dichlorobenzene-d4	8.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2			Propanoic acid, 2-methyl-, propyl ester	130	C7H14O2	000644-49-5	16
3			Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9
4			N-Ethylformamide	73	C3H7NO	000627-45-2	9
5			2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	9



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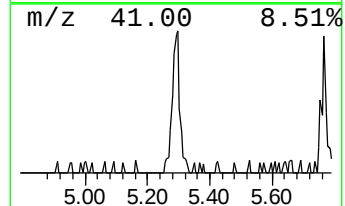
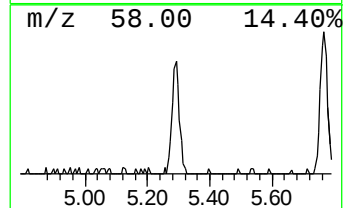
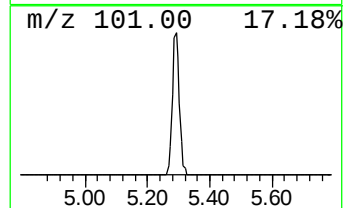
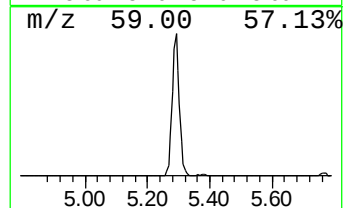
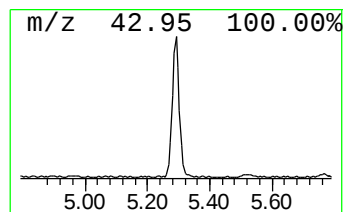
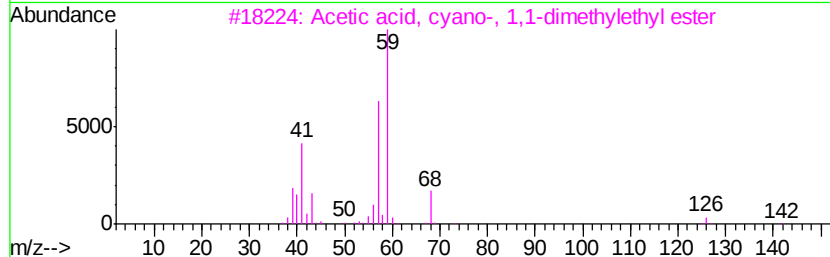
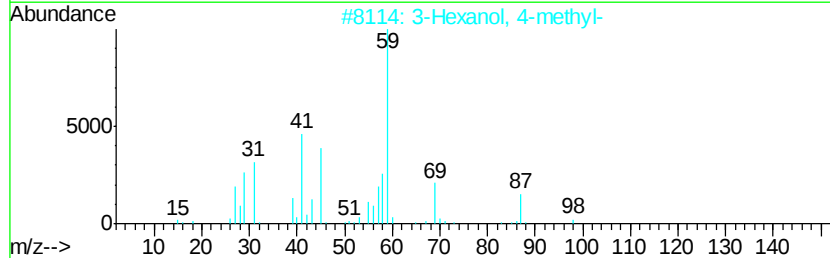
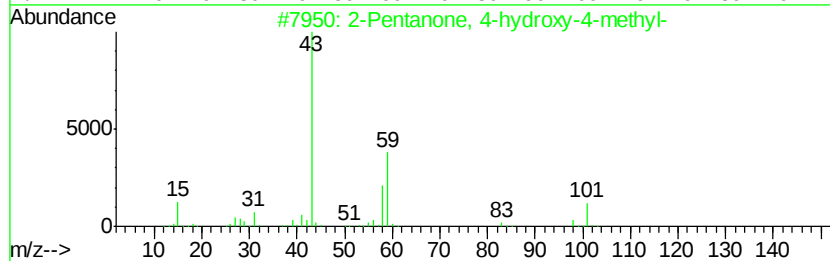
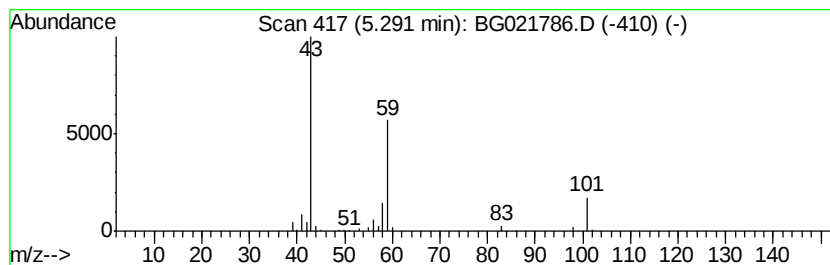
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	7.05 ng	94921	1,4-Dichlorobenzene-d4	8.21

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9



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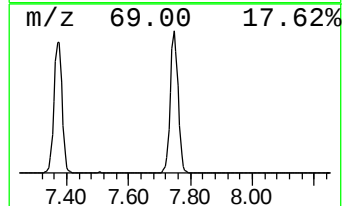
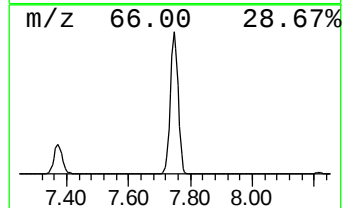
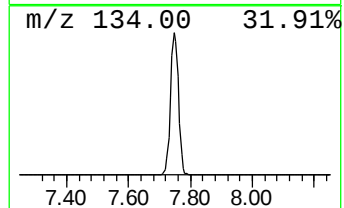
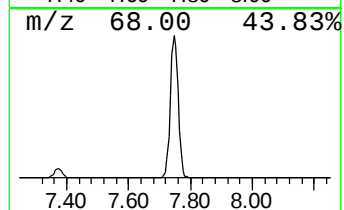
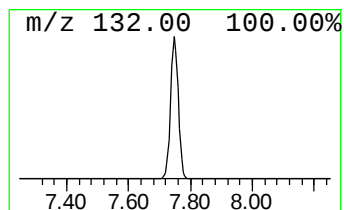
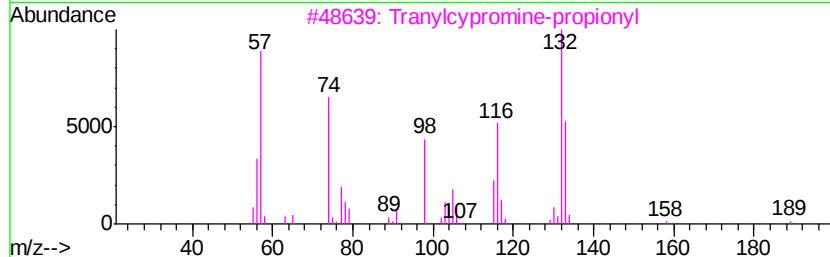
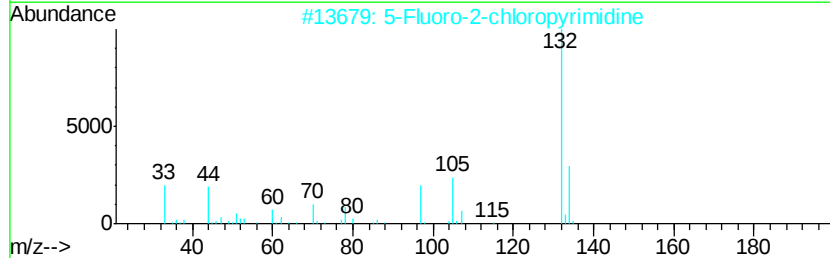
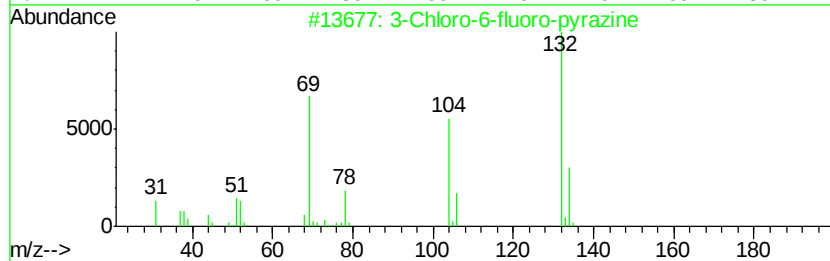
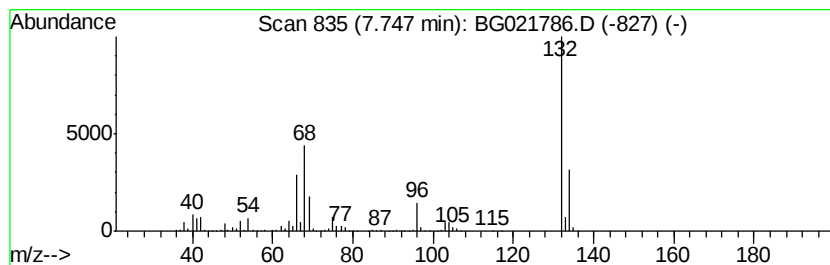
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	89.96 ng	1211710	1,4-Dichlorobenzene-d4	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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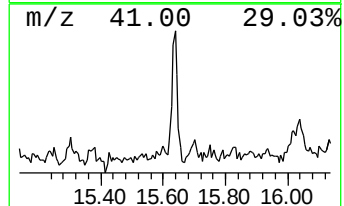
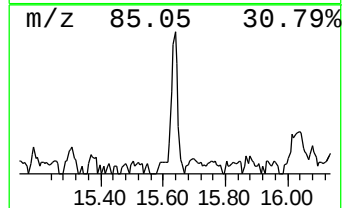
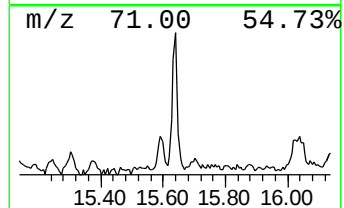
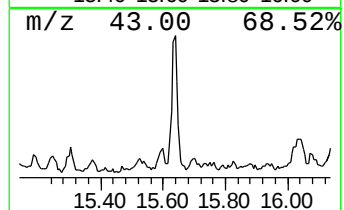
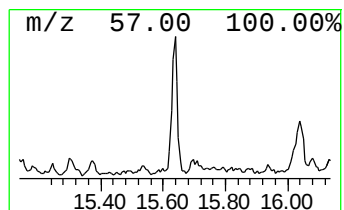
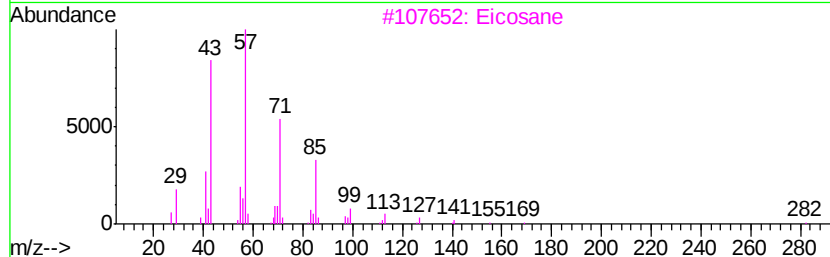
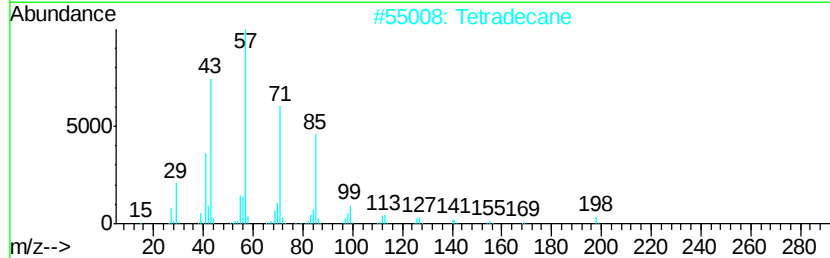
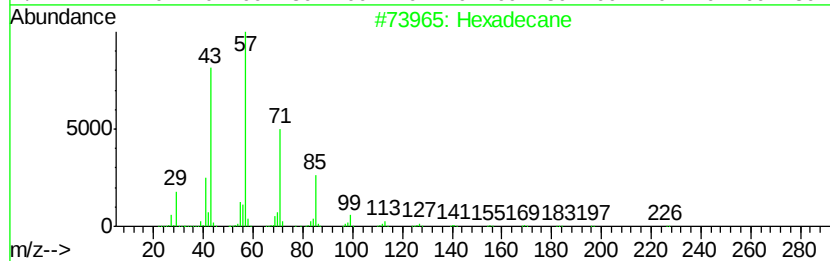
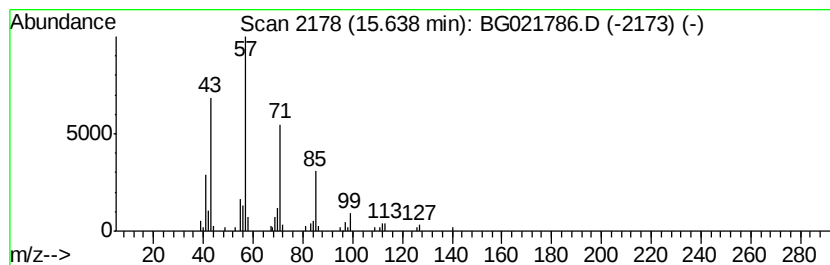
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.01 ng	51606	Acenaphthene-d10	14.83

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	90
2	Tetradecane		198	C14H30	000629-59-4	90
3	Eicosane		282	C20H42	000112-95-8	86
4	Tridecane		184	C13H28	000629-50-5	83
5	1-Iodo-2-methylundecane		296	C12H25I	073105-67-6	80



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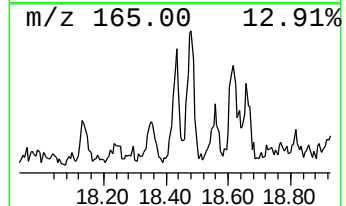
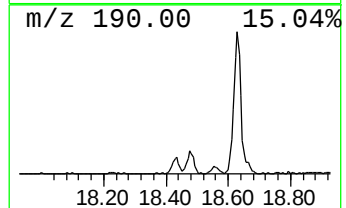
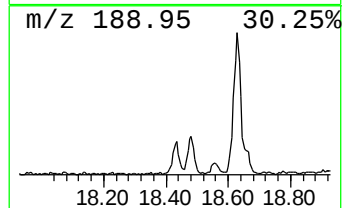
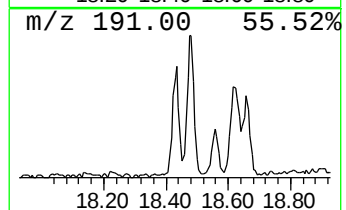
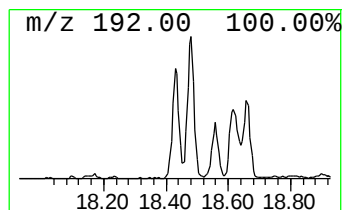
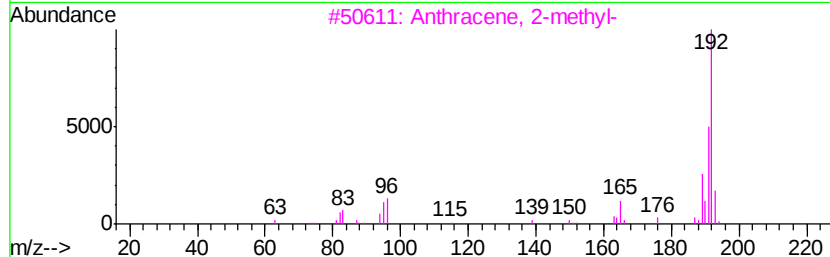
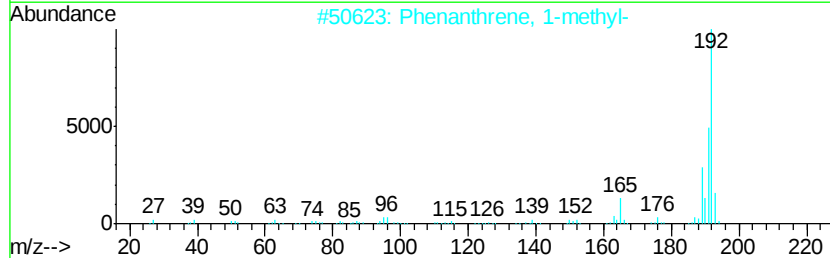
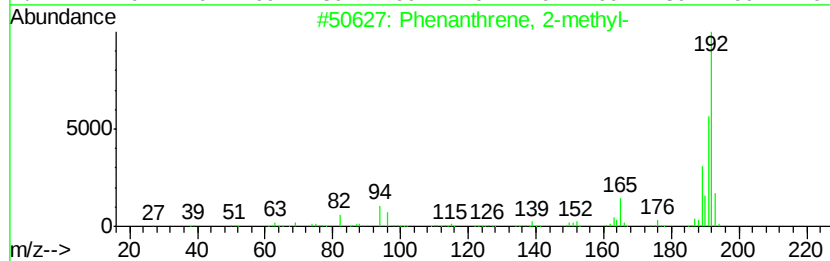
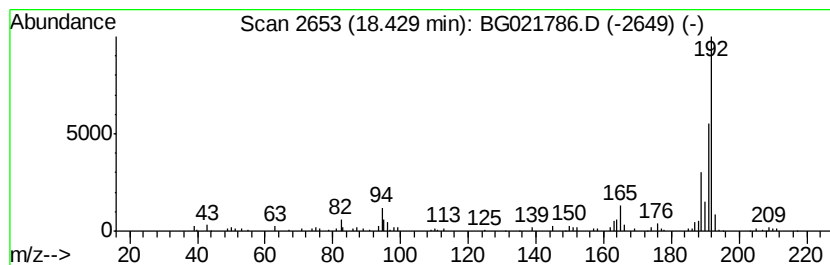
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.08 ng	59899	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5		Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	68



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
Sample : H2413-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SP-2-D-4(0-2)

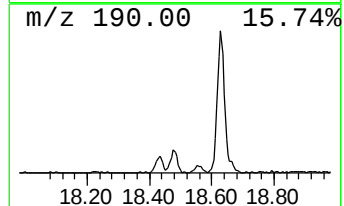
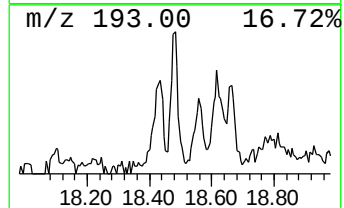
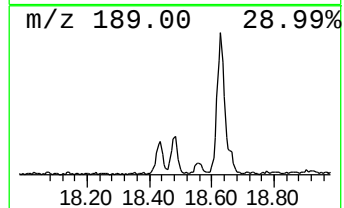
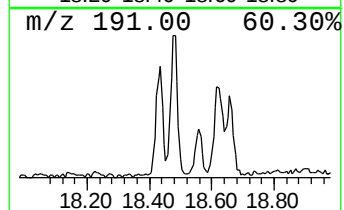
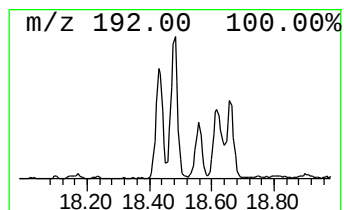
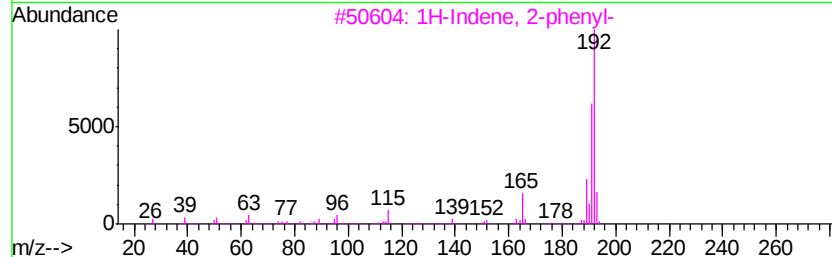
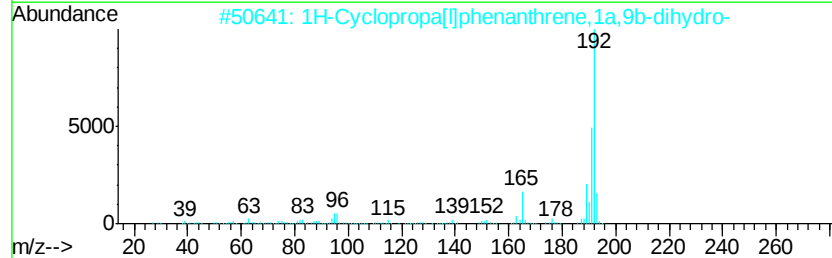
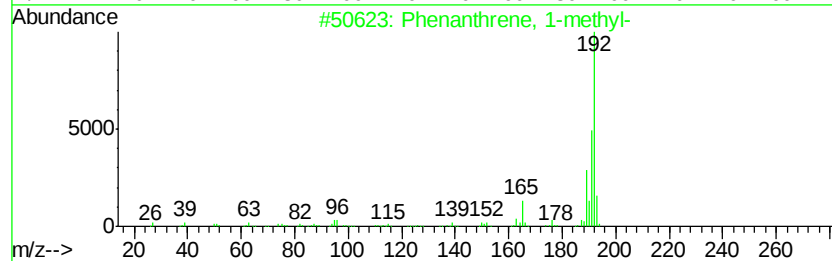
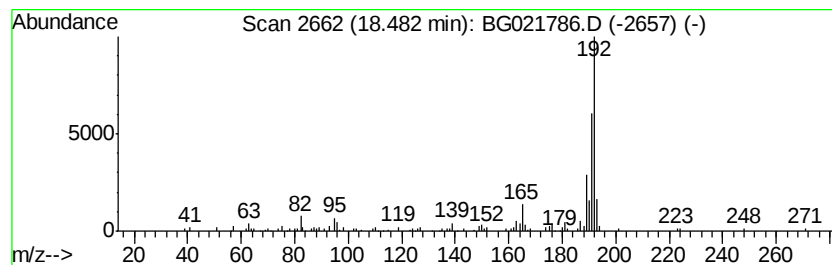
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.40 ng	97673	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
Sample : H2413-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

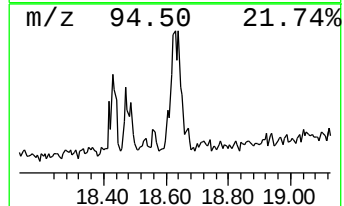
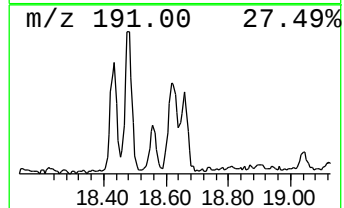
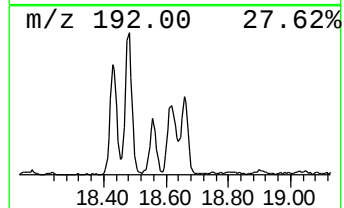
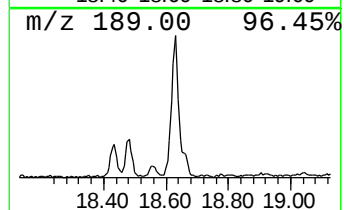
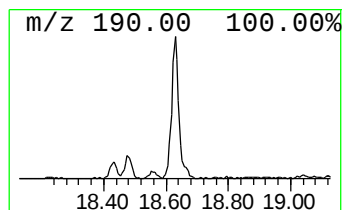
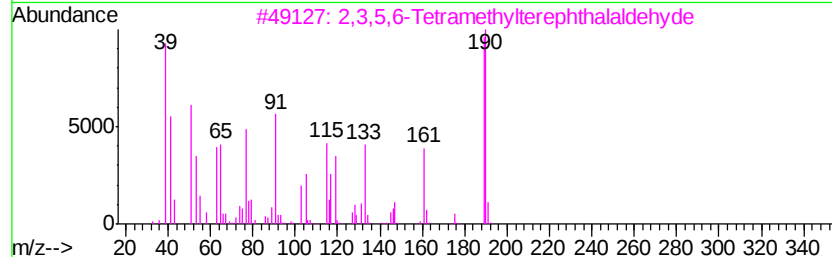
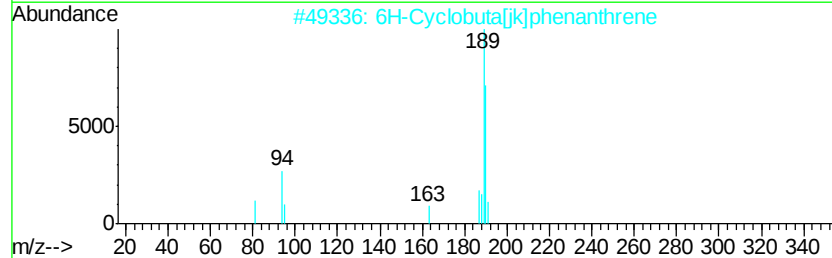
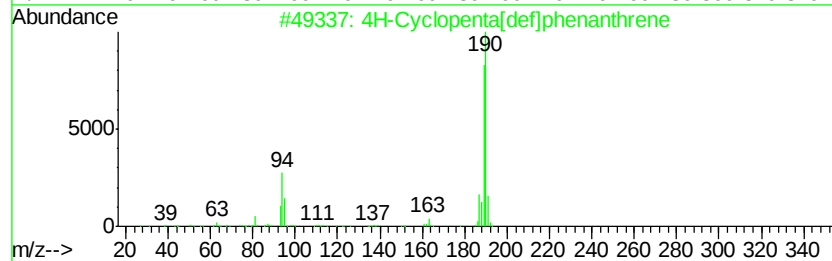
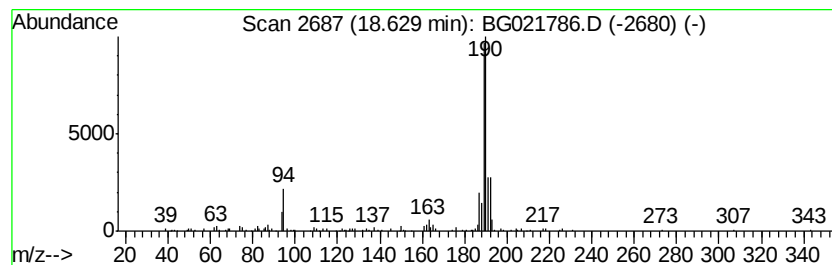
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.63	5.21 ng	149875	Phenanthrene-d10	17.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
Sample : H2413-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SP-2-D-4(0-2)

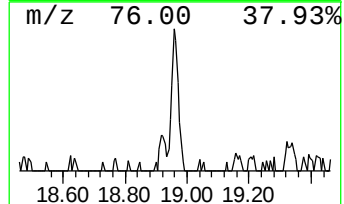
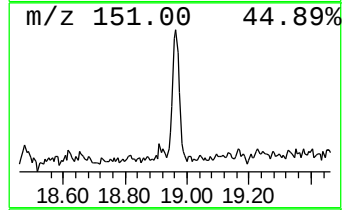
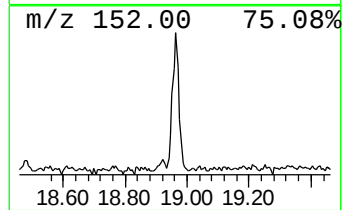
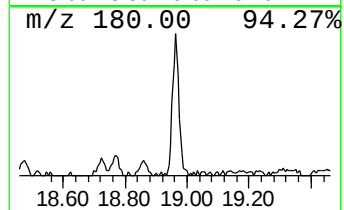
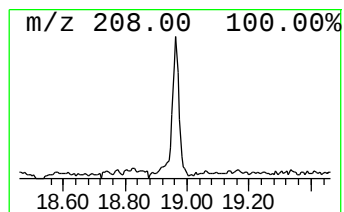
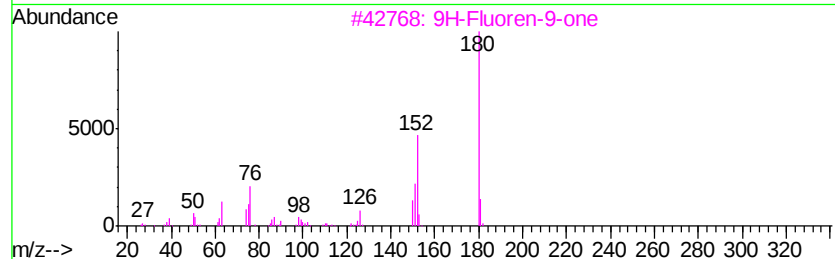
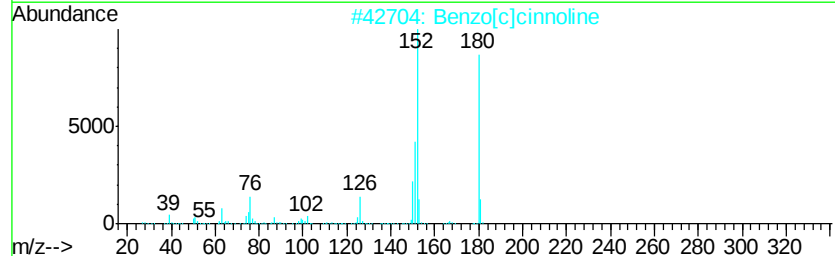
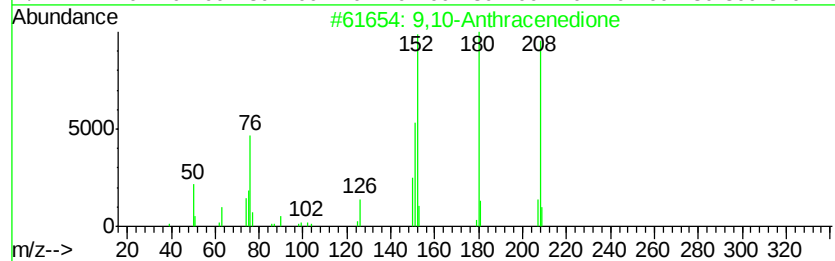
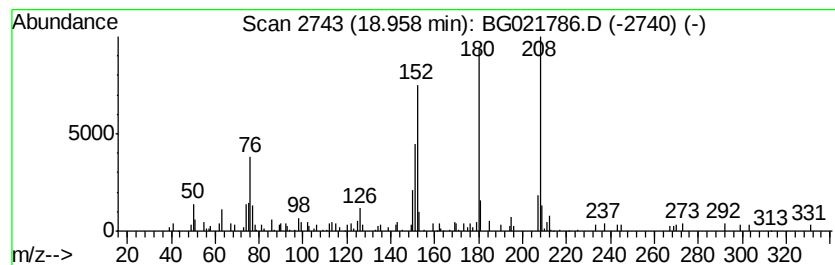
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.09 ng	60221	Phenanthrene-d10	17.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
Sample : H2413-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

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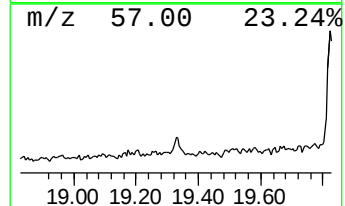
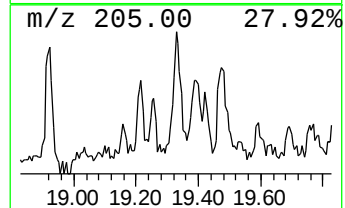
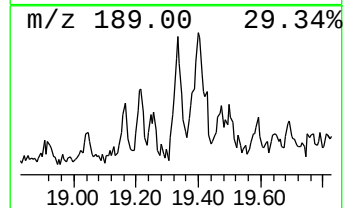
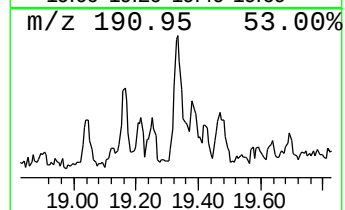
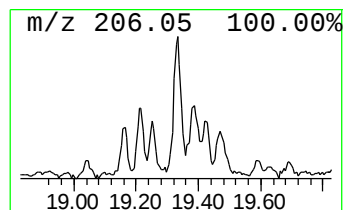
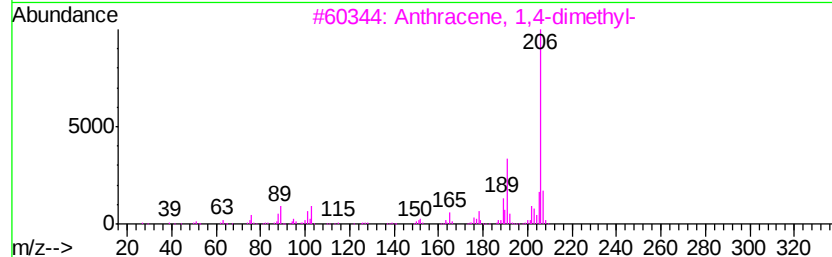
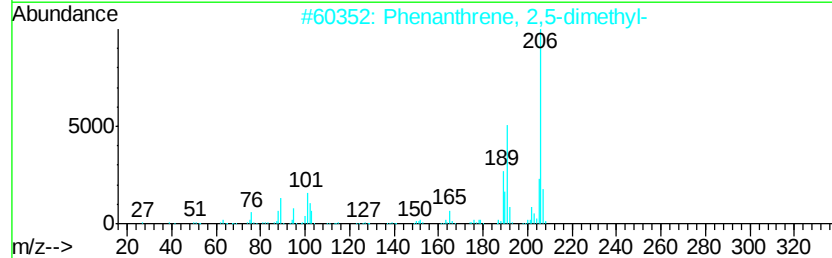
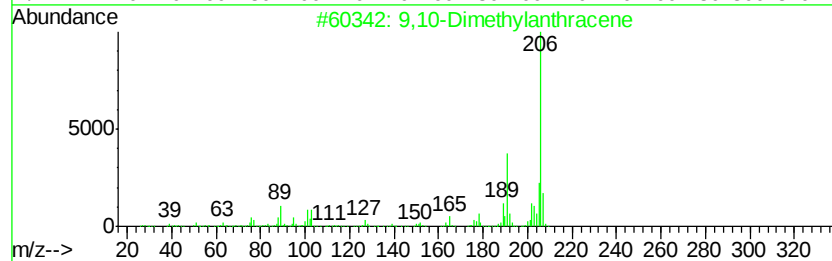
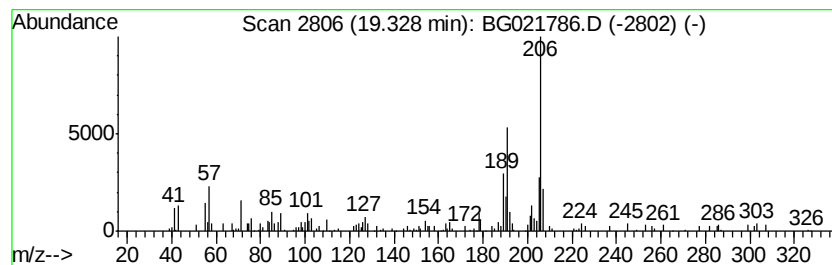
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	2.42 ng	69503	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	90



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
Sample : H2413-04
Misc :
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Instrument :
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ClientSampleId :
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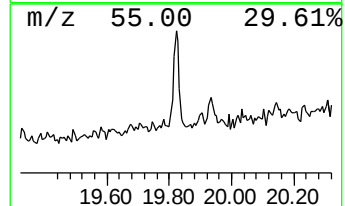
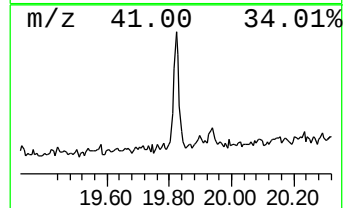
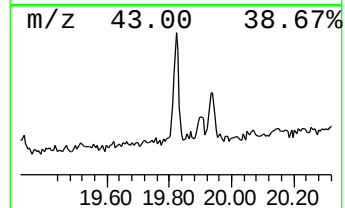
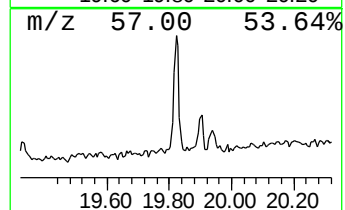
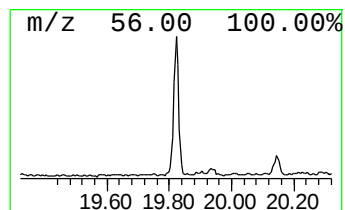
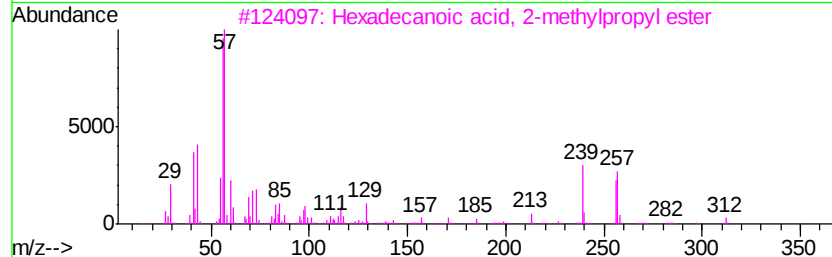
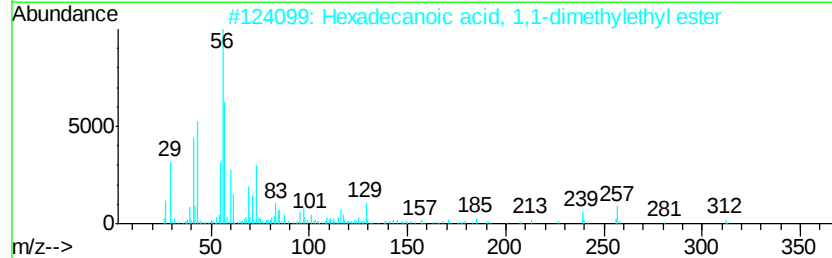
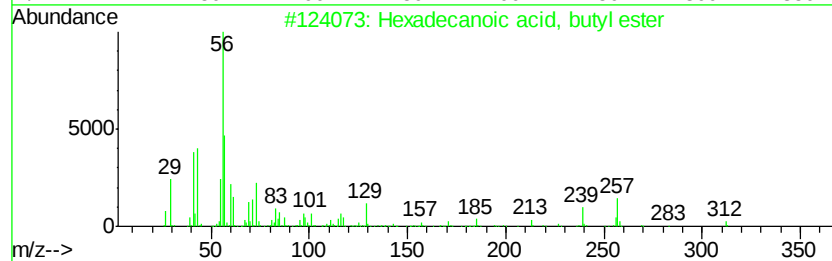
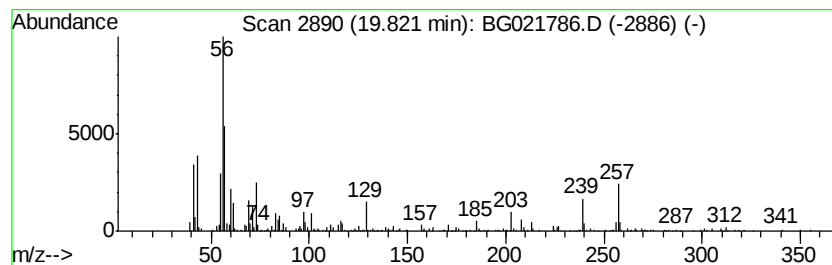
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecanoic acid, butyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	3.21 ng	181311	Chrysene-d12	21.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	98
2		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	93
3		Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	64
4		2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	38
5		Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	37



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
Sample : H2413-04
Misc :
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ClientSampleId :
SP-2-D-4(0-2)

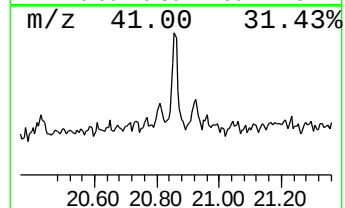
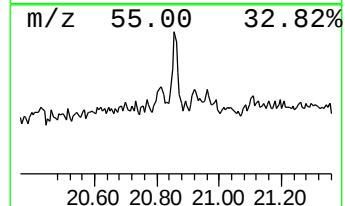
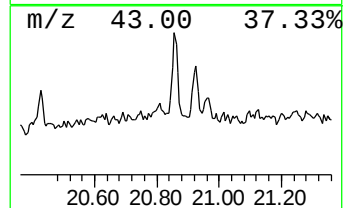
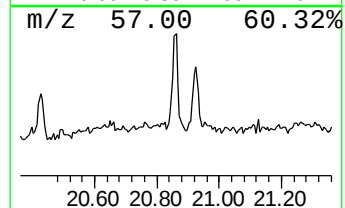
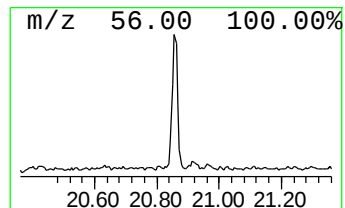
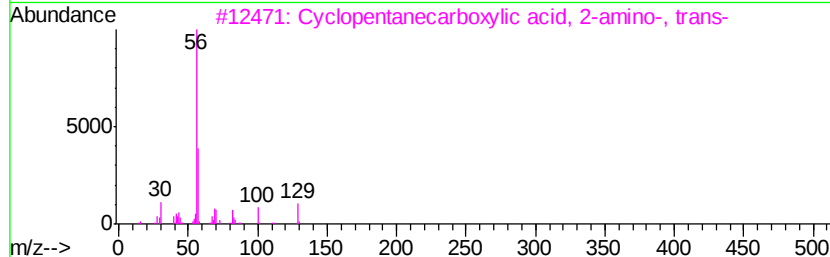
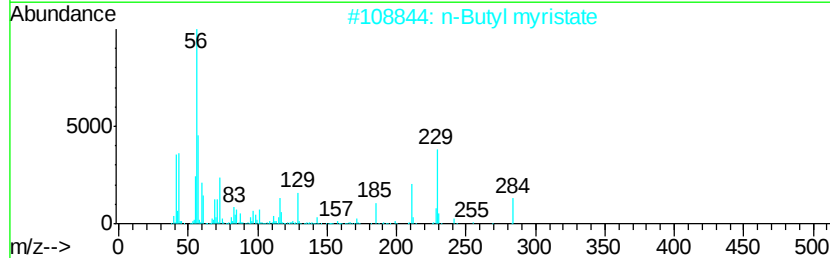
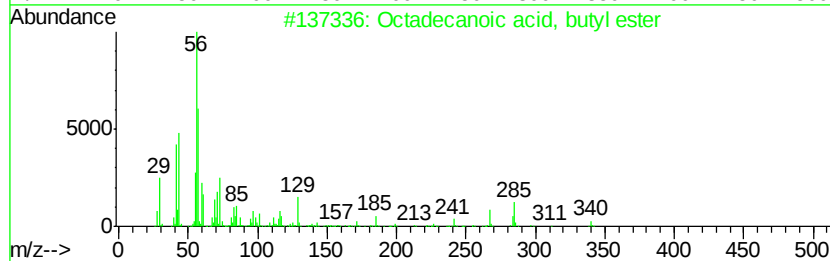
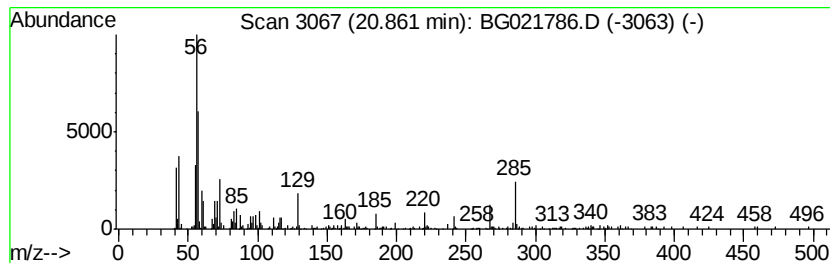
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octadecanoic acid, butyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	2.30 ng	129566	Chrysene-d12	21.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	91
2		n-Butyl myristate	284	C18H36O2	000110-36-1	72
3		Cyclopentanecarboxylic acid, 2-amino-, trans-	129	C6H11NO2	040482-05-1	47
4		1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	43
5		Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021786.D
Acq On : 20 Apr 2016 15:44
Operator : UM/SJ
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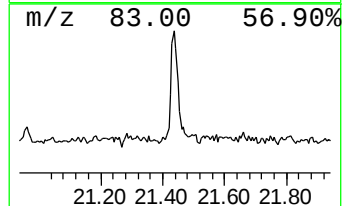
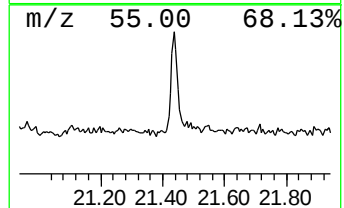
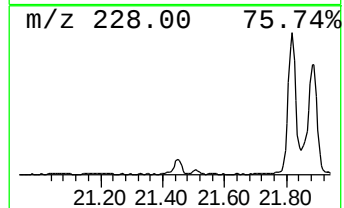
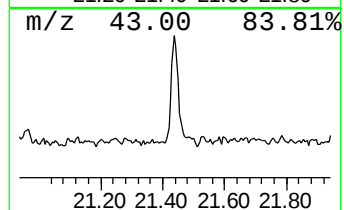
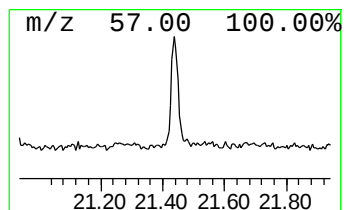
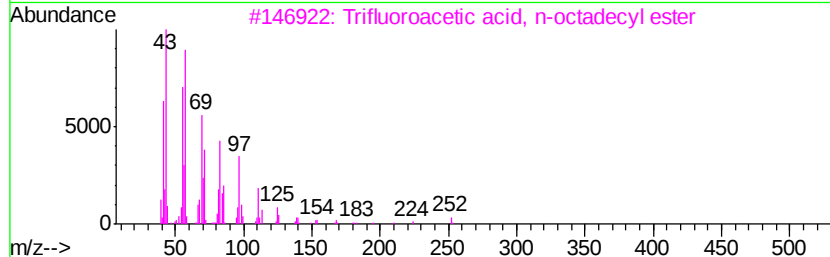
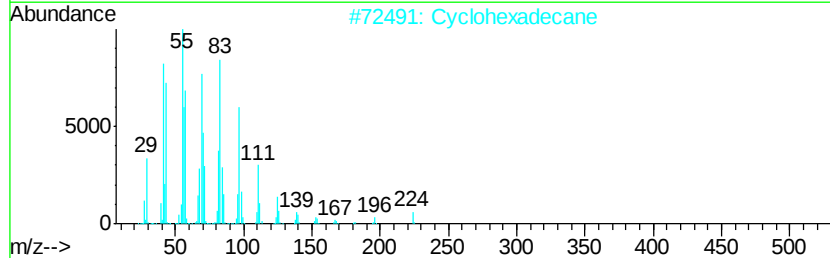
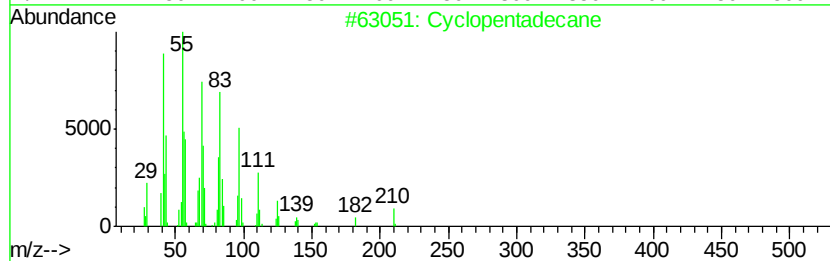
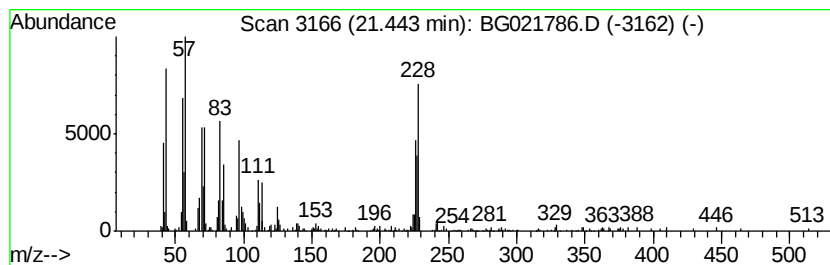
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	4.19 ng	236329	Chrysene-d12	21.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentadecane	210	C15H30	000295-48-7	95
2		Cyclohexadecane	224	C16H32	000295-65-8	93
3		Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	70
4		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	70
5		Trihexadecyl borate	735	C48H99BO3	002665-11-4	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042116\
 Data File : BG021786.D
 Acq On : 20 Apr 2016 15:44
 Operator : UM/SJ
 Sample : H2413-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-D-4(0-2)

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.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
unknown3.09	3.09	293.1	ng	3948440	1	8.21	269384	20.0
2-Pentanone, 4-hy...	5.29	7.0	ng	94921	1	8.21	269384	20.0
unknown7.75	7.75	90.0	ng	1211710	1	8.21	269384	20.0
Hexadecane	15.64	2.0	ng	51606	3	14.83	514547	20.0
Phenanthrene, 2-m...	18.43	2.1	ng	59899	4	17.56	575342	20.0
Phenanthrene, 1-m...	18.48	3.4	ng	97673	4	17.56	575342	20.0
4H-Cyclopenta[def...	18.63	5.2	ng	149875	4	17.56	575342	20.0
9,10-Anthracenedione	18.96	2.1	ng	60221	4	17.56	575342	20.0
9,10-Dimethylanthe...	19.33	2.4	ng	69503	4	17.56	575342	20.0
Hexadecanoic acid...	19.82	3.2	ng	181311	5	21.84	1128460	20.0
Octadecanoic acid...	20.86	2.3	ng	129566	5	21.84	1128460	20.0
Cyclopentadecane	21.44	4.2	ng	236329	5	21.84	1128460	20.0