

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016535.D
 Acq On : 18 Apr 2015 23:43
 Operator : TP/IZ
 Sample : G1891-09
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-68D

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-BG040615.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	2.752	6	11	21	rVB	121741	220176	10.97%	0.916%
2	2.834	21	25	30	rVB	84484	109204	5.44%	0.454%
3	4.773	349	355	362	rBV	116771	160371	7.99%	0.667%
4	5.249	429	436	454	rBV	911979	1286538	64.09%	5.351%
5	6.847	693	708	725	rBV	929673	1439603	71.72%	5.988%
6	7.193	760	767	777	rBV	942231	1466361	73.05%	6.099%
7	7.658	839	846	853	rVB	277216	427616	21.30%	1.779%
8	7.975	893	900	907	rVB	684030	1049003	52.26%	4.363%
9	8.815	1036	1043	1052	rBV	536113	863863	43.04%	3.593%
10	10.443	1313	1320	1327	rBV	395996	646143	32.19%	2.687%
11	12.922	1734	1742	1752	rBV	1168866	1770377	88.20%	7.363%
12	13.715	1872	1877	1881	rBV	21869	28357	1.41%	0.118%
13	13.762	1881	1885	1893	rVB	44436	66900	3.33%	0.278%
14	14.027	1921	1930	1937	rBV10	12658	34684	1.73%	0.144%
15	14.126	1943	1947	1955	rVB2	27488	41262	2.06%	0.172%
16	14.203	1955	1960	1965	rBV2	22239	33529	1.67%	0.139%
17	14.303	1965	1977	1984	rBV2	568395	901548	44.91%	3.750%
18	14.620	2027	2031	2036	rBV6	10312	22913	1.14%	0.095%
19	15.014	2093	2098	2104	rBV7	12507	26241	1.31%	0.109%
20	15.084	2105	2110	2115	rBV4	27975	45521	2.27%	0.189%
21	15.155	2118	2122	2126	rBV2	21096	30072	1.50%	0.125%
22	15.343	2150	2154	2159	rBV6	11839	27867	1.39%	0.116%
23	15.795	2224	2231	2241	rBV	740990	1139878	56.79%	4.741%
24	16.012	2264	2268	2270	rBV2	28094	34163	1.70%	0.142%
25	16.712	2383	2387	2391	rVB	25881	33175	1.65%	0.138%
26	17.041	2438	2443	2449	rBV2	668568	990097	49.33%	4.118%
27	17.428	2506	2509	2514	rBV3	38337	58456	2.91%	0.243%
28	17.493	2517	2520	2526	rVV3	67199	106606	5.31%	0.443%
29	17.546	2526	2529	2536	rVB2	60260	87780	4.37%	0.365%
30	17.611	2537	2540	2546	rBV3	36515	58294	2.90%	0.242%
31	18.157	2629	2633	2642	rVB	478363	611005	30.44%	2.541%
32	18.239	2645	2647	2654	rVV5	43954	75856	3.78%	0.316%
33	18.327	2658	2662	2669	rVB	385980	545745	27.19%	2.270%
34	18.480	2685	2688	2690	rBV4	49743	62003	3.09%	0.258%

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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	18.515	2690	2694	2699	rVV	1050135	1303829	64.96%	5.423%
36	18.662	2716	2719	2724	rVB2	94179	114109	5.68%	0.475%
37	19.162	2801	2804	2808	rVB2	118614	140624	7.01%	0.585%
38	19.632	2880	2884	2887	rBV2	164997	235805	11.75%	0.981%
39	19.673	2887	2891	2896	rVB	1604299	1915038	95.41%	7.965%
40	20.372	3006	3010	3015	rVB	403764	500913	24.96%	2.083%
41	21.224	3151	3155	3160	rBV	759577	964013	48.03%	4.010%
42	23.463	3531	3536	3541	rVB2	496894	863509	43.02%	3.592%
43	24.508	3708	3714	3724	rVB	598585	1496645	74.56%	6.225%
44	25.166	3819	3826	3838	rVB2	744593	2007242	100.00%	8.349%

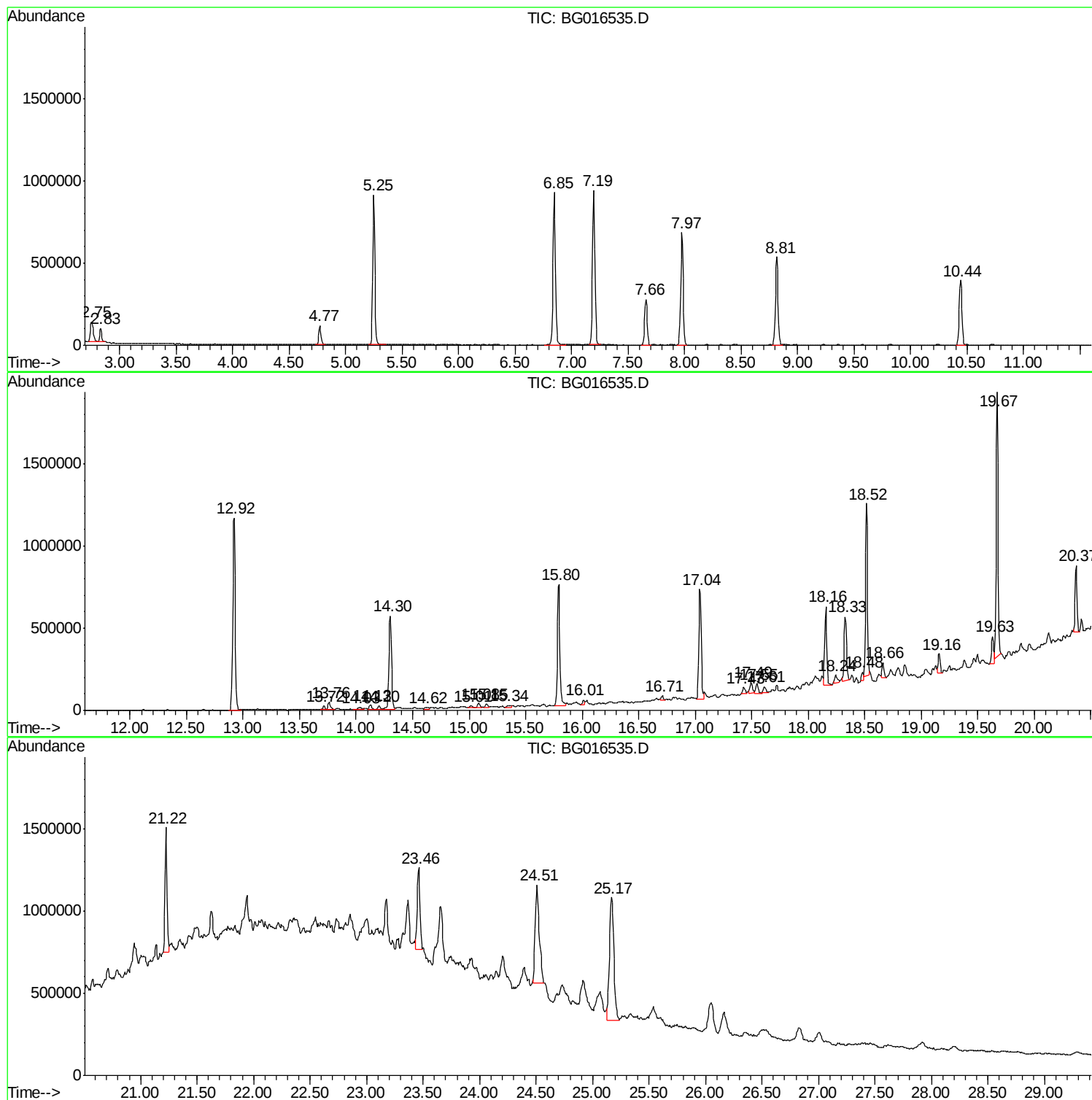
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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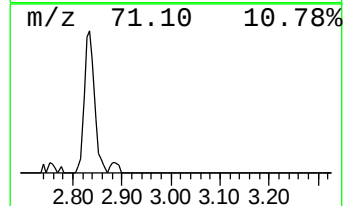
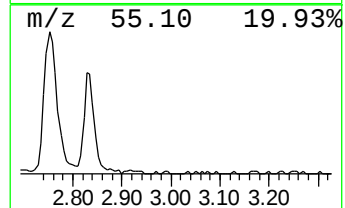
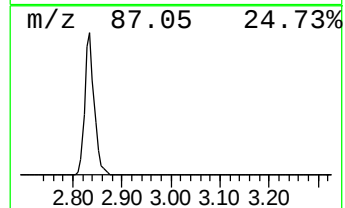
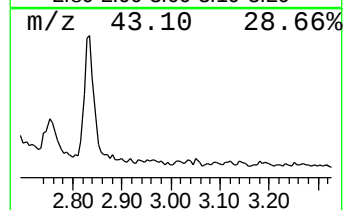
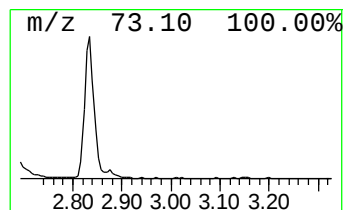
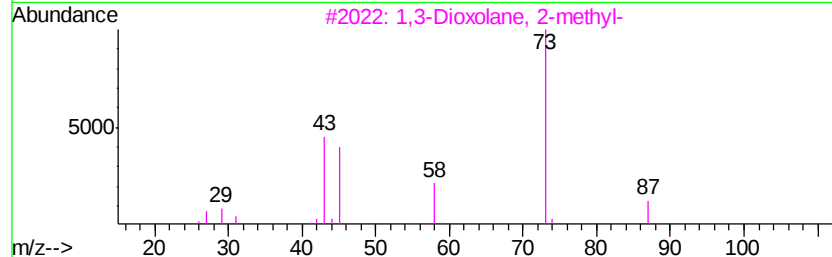
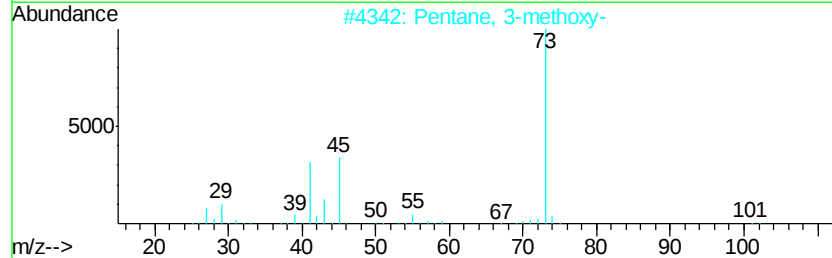
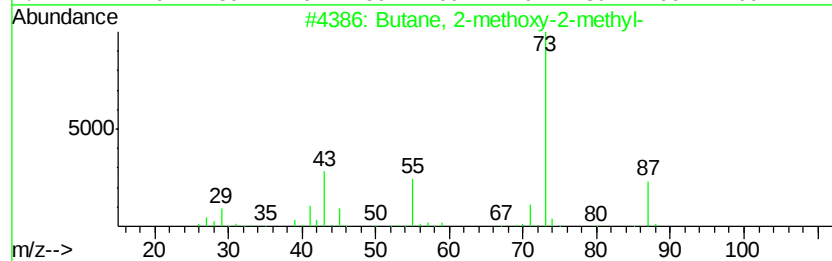
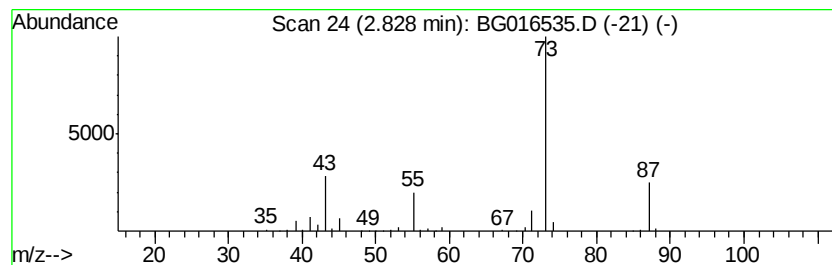
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.83	5.11 ng	109204	1,4-Dichlorobenzene-d4	7.66

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
2		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3		1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



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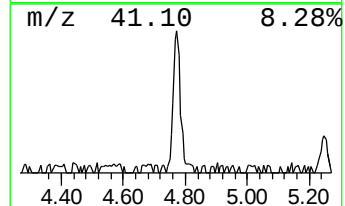
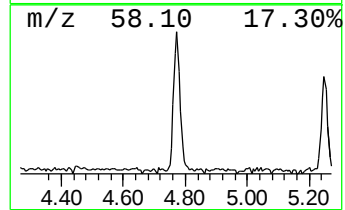
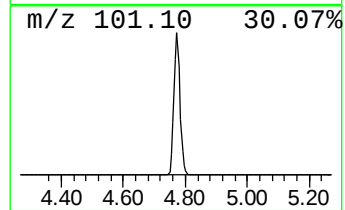
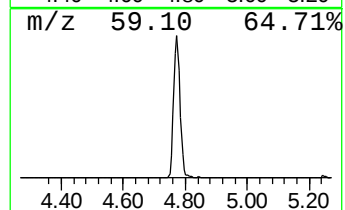
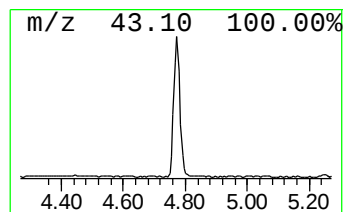
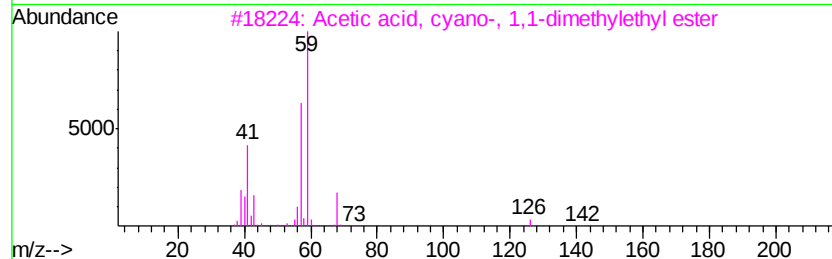
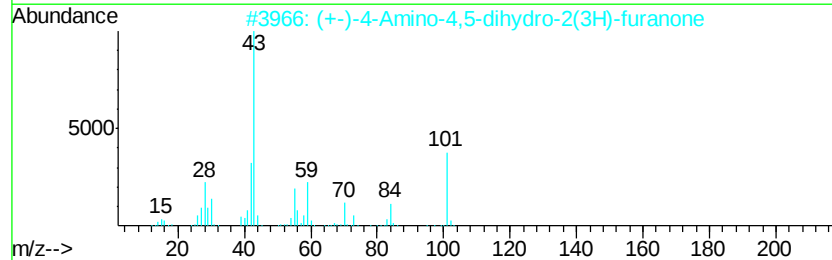
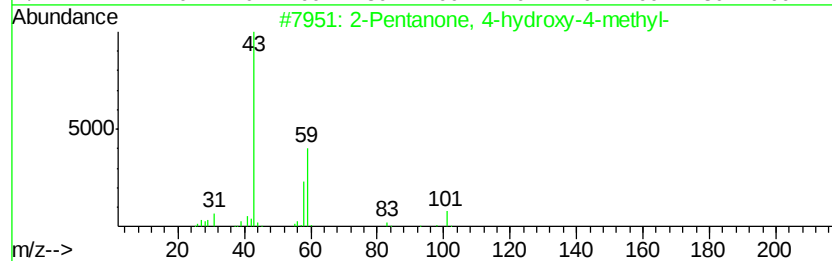
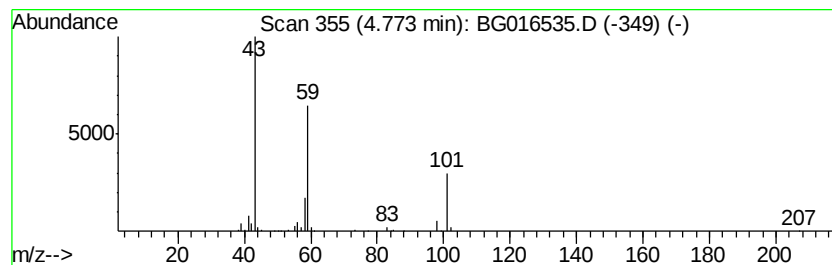
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TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	7.50 ng	160371	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	17
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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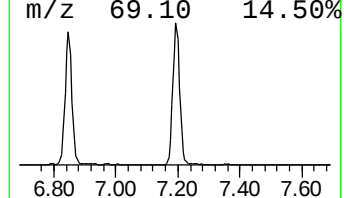
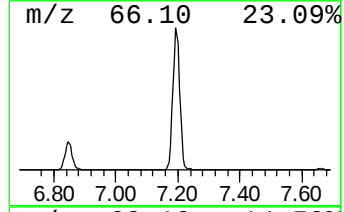
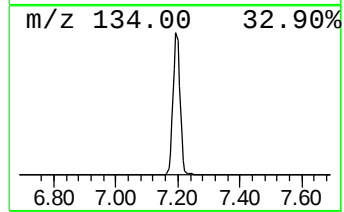
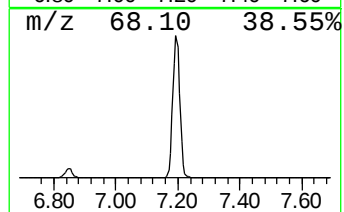
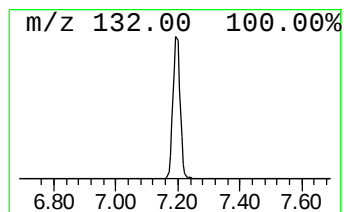
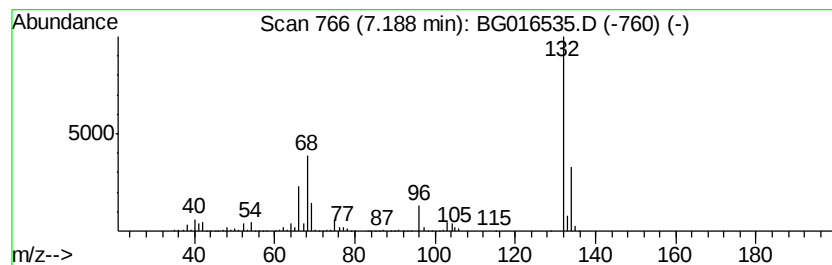
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown7.19 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	68.58 ng	1466360	1,4-Dichlorobenzene-d4	7.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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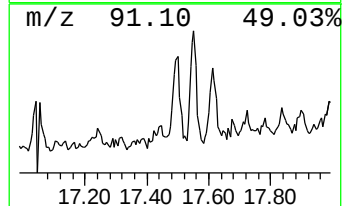
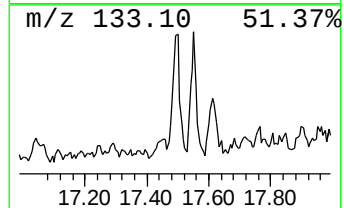
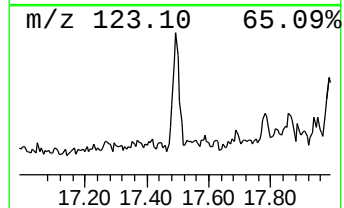
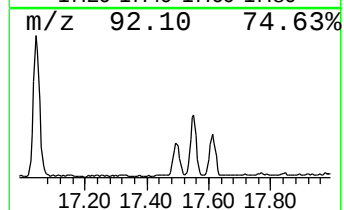
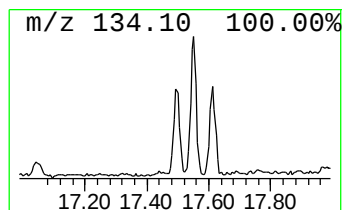
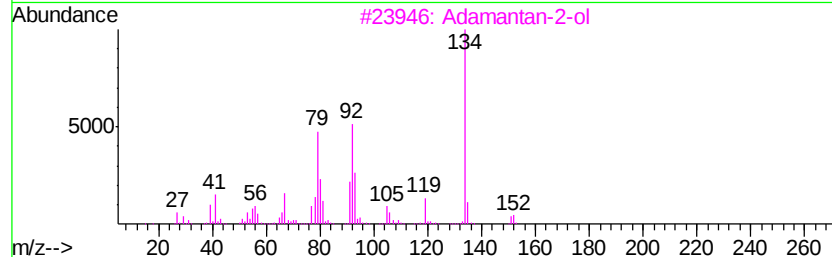
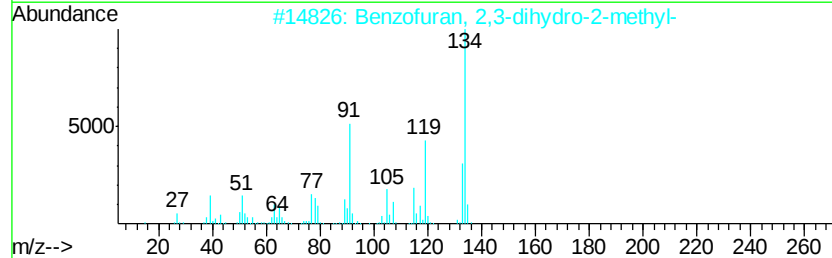
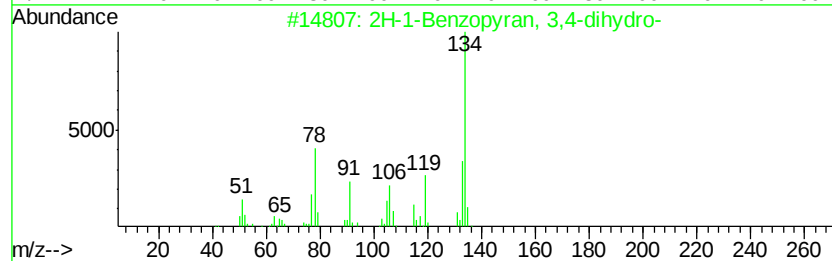
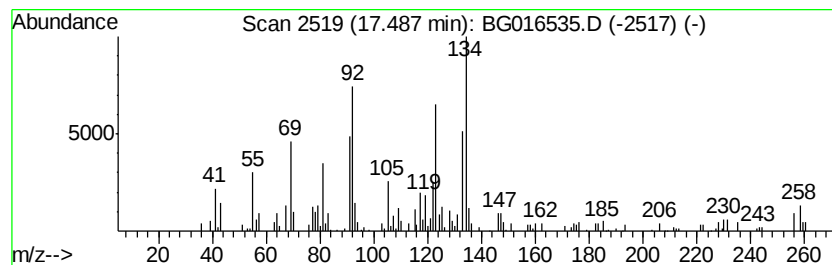
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2H-1-Benzopyran, 3,4-dihydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	2.15 ng	106606	Phenanthrene-d10	17.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2H-1-Benzopyran, 3,4-dihydro-	134 C9H10O	000493-08-3	55
2	Benzofuran, 2,3-dihydro-2-methyl-	134 C9H10O	001746-11-8	43
3	Adamantan-2-ol	152 C10H16O	000700-57-2	38
4	5,6,7,8-Tetrahydroquinoxaline	134 C8H10N2	034413-35-9	38
5	1-(3-Methyl-2-butenoxy)-4-(1-pro...	202 C14H18O	078259-41-3	27



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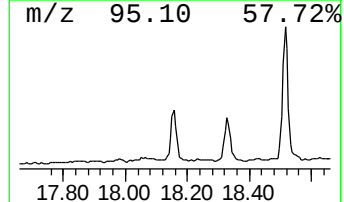
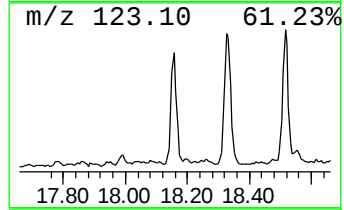
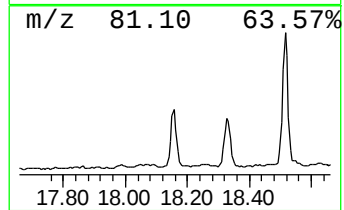
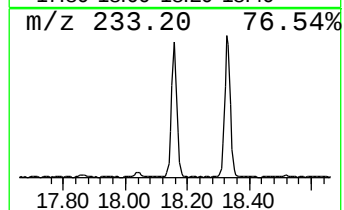
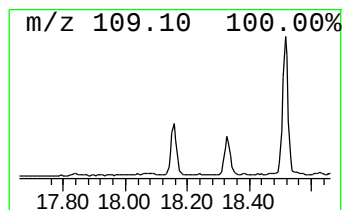
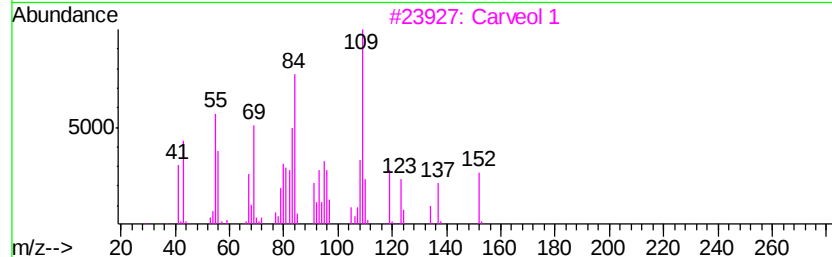
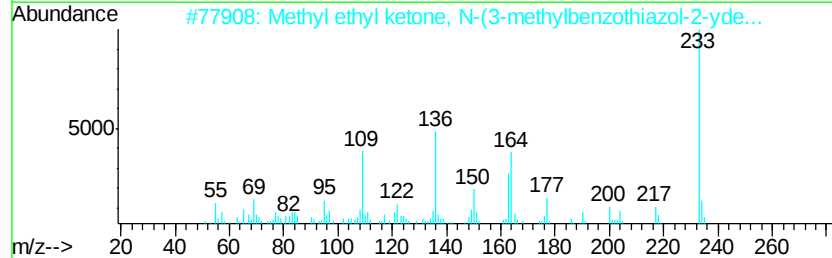
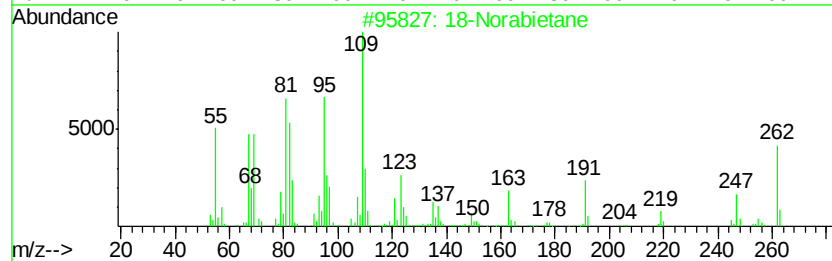
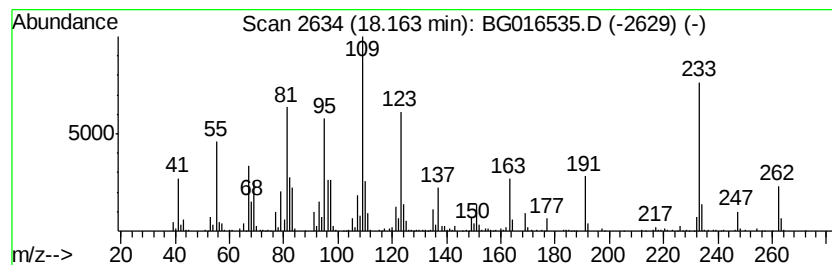
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 18-Norabietane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	12.34 ng	611005	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane		262	C19H34	1000293-16-6	62
2	Methyl ethyl ketone, N-(3-methyl...		233	C12H15N3S	1000292-93-3	43
3	Carveol 1		152	C10H16O	1000285-09-9	27
4	1,2-Benzooxazine,2-cyclohexyl-4-...		262	C16H26N2O	037898-39-8	22
5	3,5,9-Trimethyl-deca-2,4,8-trien...		194	C13H22O	1000188-00-3	22



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
Operator : TP/IZ
Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

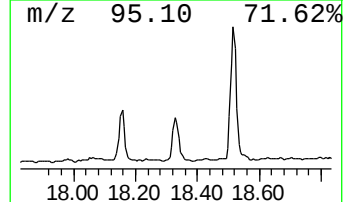
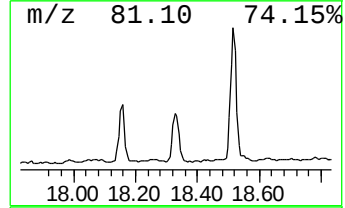
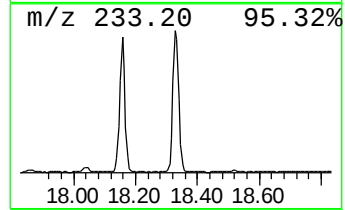
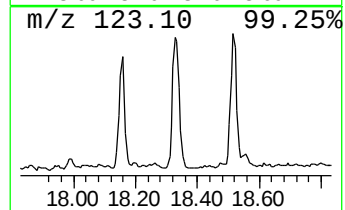
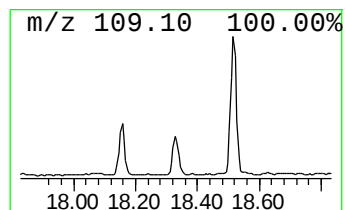
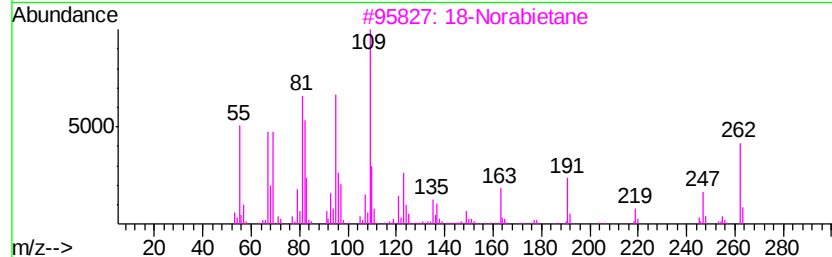
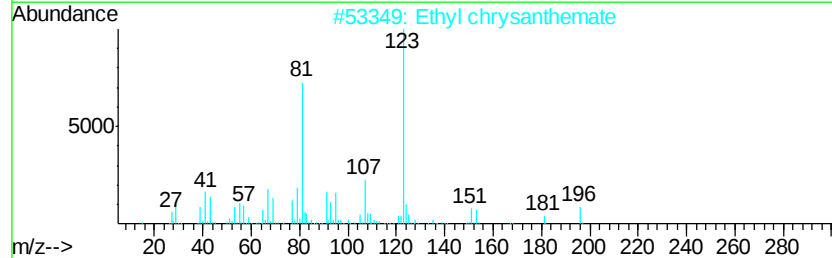
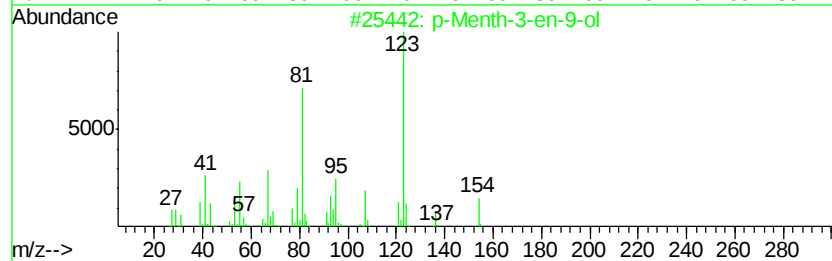
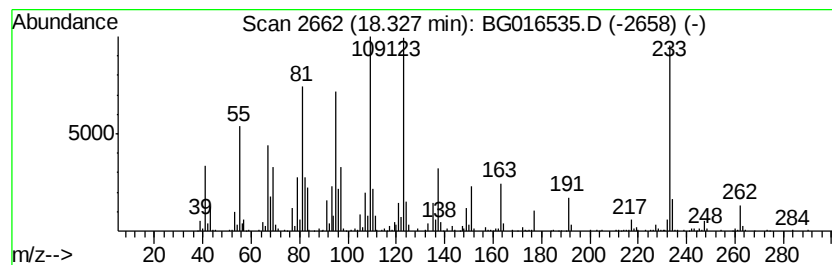
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown18.33 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.33	11.02 ng	545745	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Menth-3-en-9-ol	154	C10H18O	015714-10-0	27
2	Ethyl chrysanthemate	196	C12H20O2	000097-41-6	27
3	18-Norabietane	262	C19H34	1000293-16-6	25
4	3-Octyne, 2,2,7-trimethyl-	152	C11H20	055402-13-6	25
5	2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
Operator : TP/IZ
Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-68D

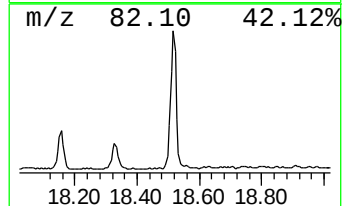
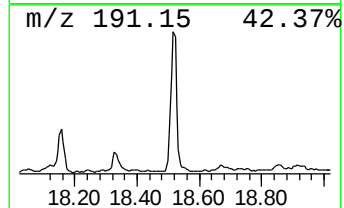
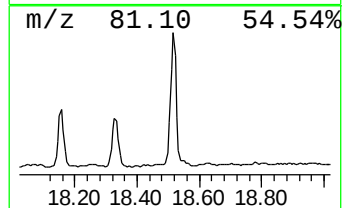
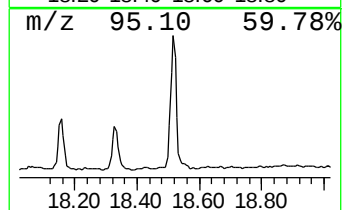
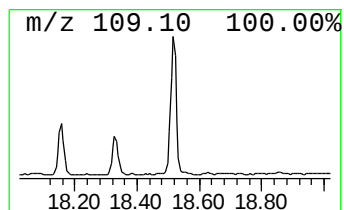
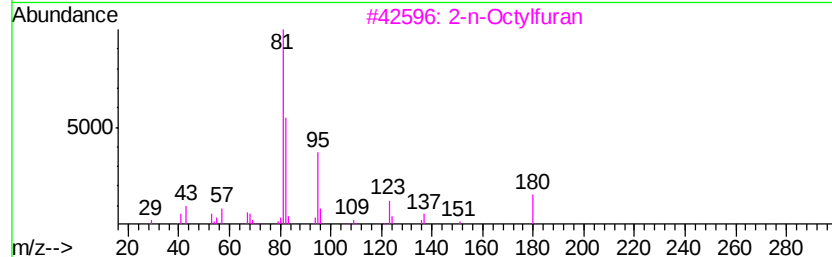
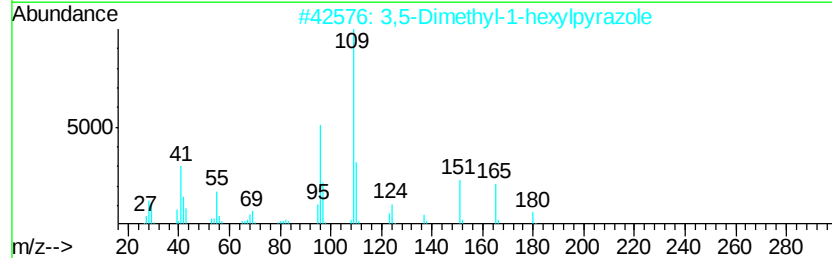
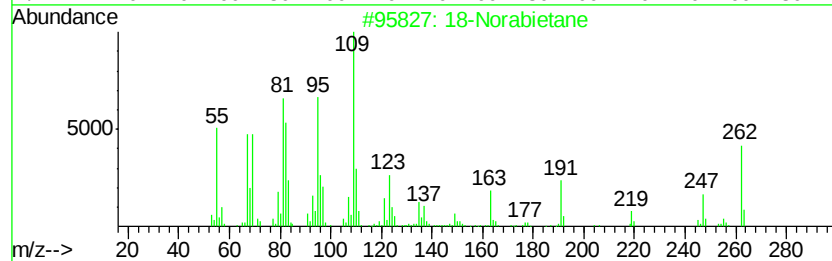
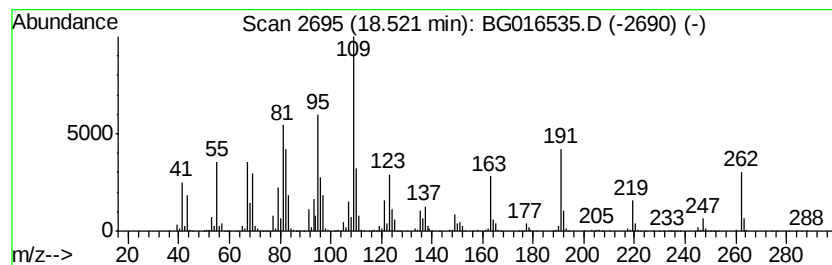
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown18.52 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	26.34 ng	1303830	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	96
2		3,5-Dimethyl-1-hexylpyrazole	180	C11H20N2	024475-41-0	35
3		2-n-Octylfuran	180	C12H20O	004179-38-8	27
4		2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	27
5		3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	25



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
Operator : TP/IZ
Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-68D

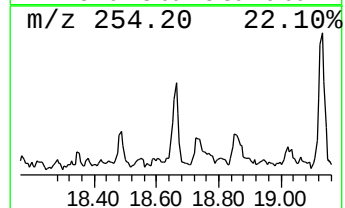
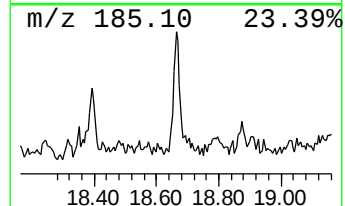
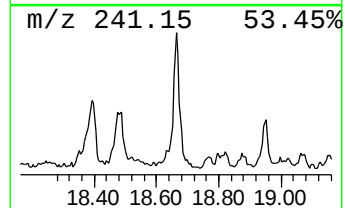
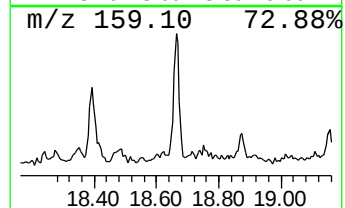
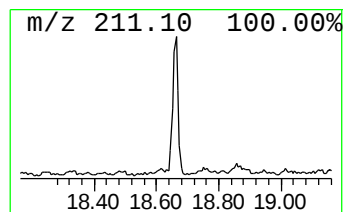
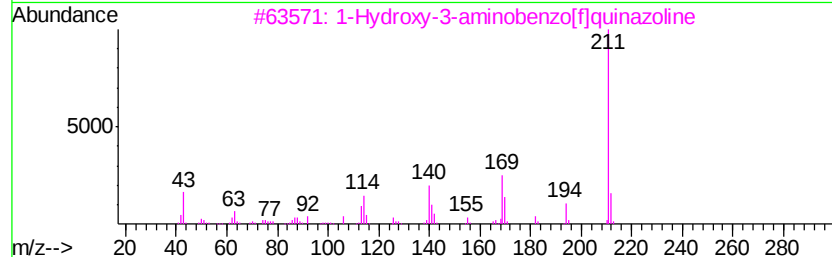
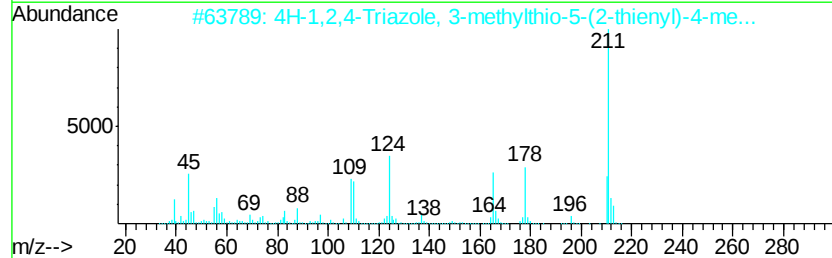
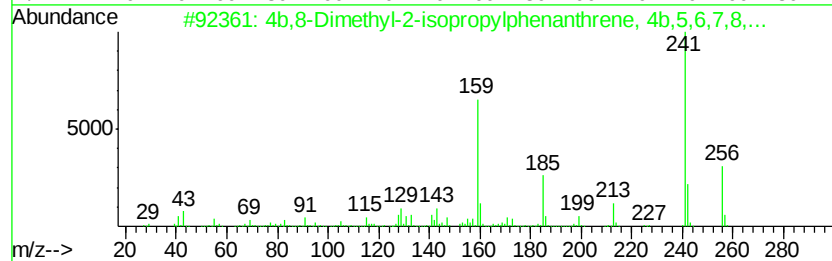
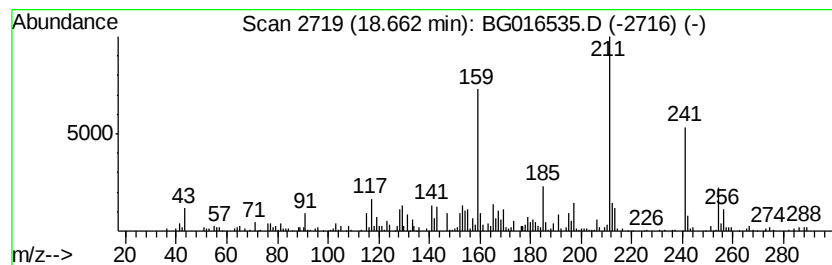
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.31 ng	114109	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	64
2		4H-1,2,4-Triazole, 3-methylthio-...	211	C8H9N3S2	116850-51-2	30
3		1-Hydroxy-3-aminobenzo[f]quinazo...	211	C12H9N3O	007066-25-3	30
4		Acridine-9-thiole	211	C13H9NS	085842-92-8	30
5		Benzothiazole, 2-phenyl-	211	C13H9NS	000883-93-2	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
Operator : TP/IZ
Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

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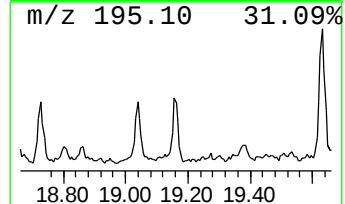
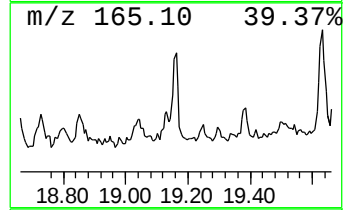
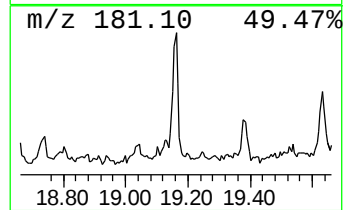
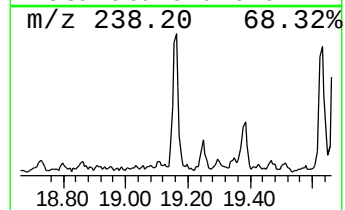
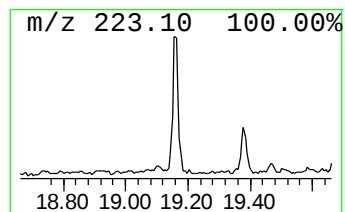
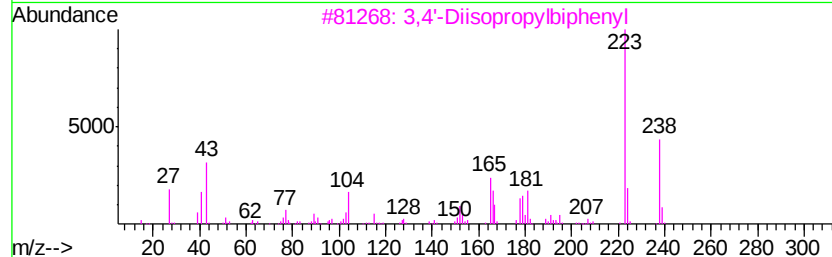
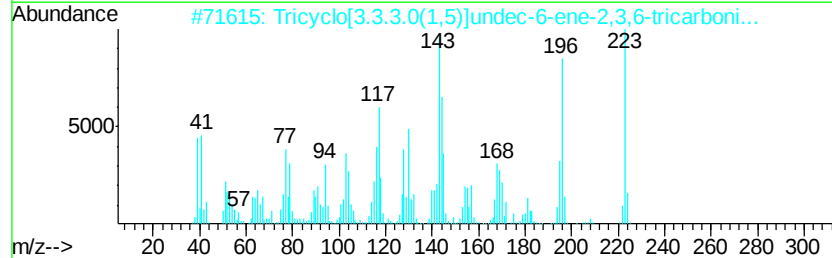
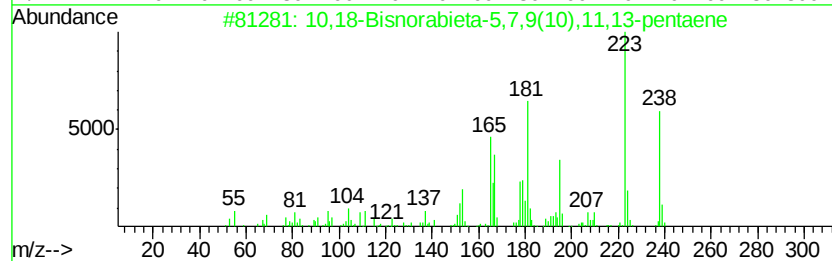
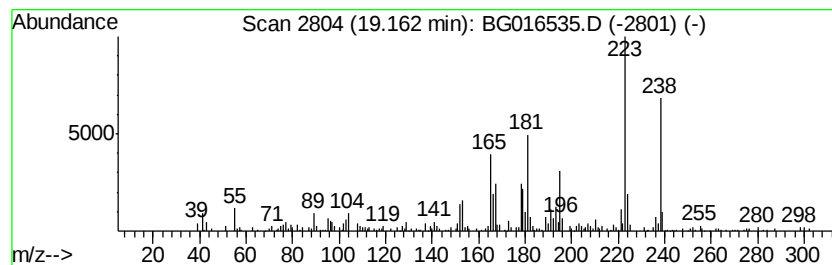
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	2.92 ng	140624	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	98
2		Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3	118894-71-6	91
3		3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	50
4		Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	45
5		4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	45



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
Operator : TP/IZ
Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

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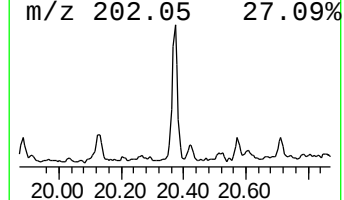
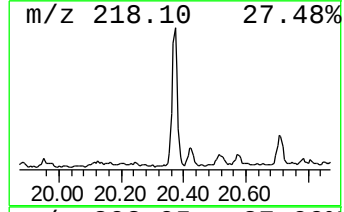
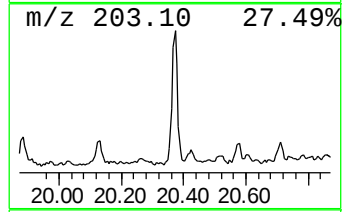
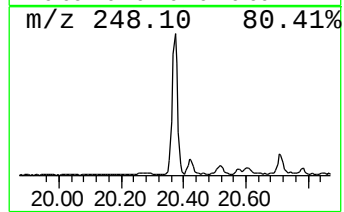
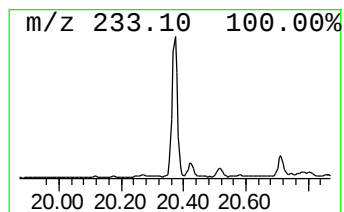
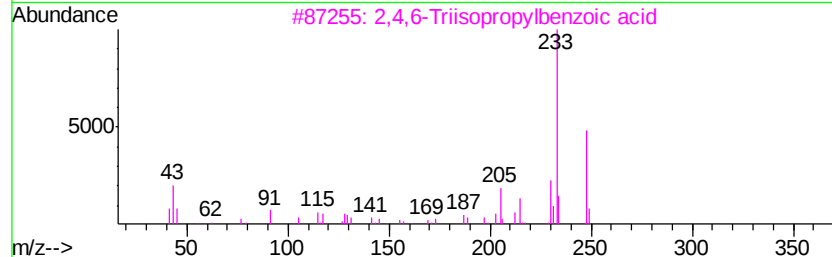
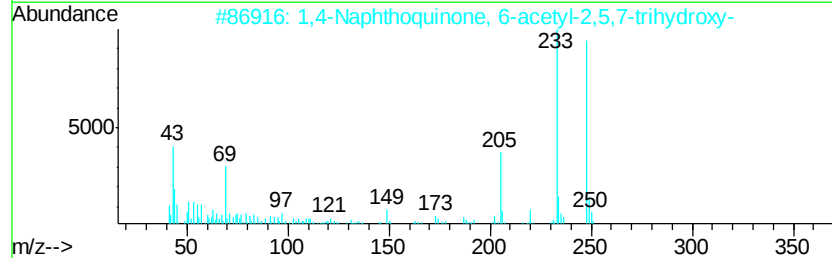
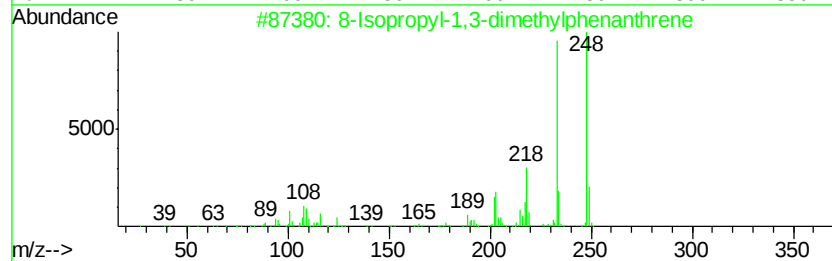
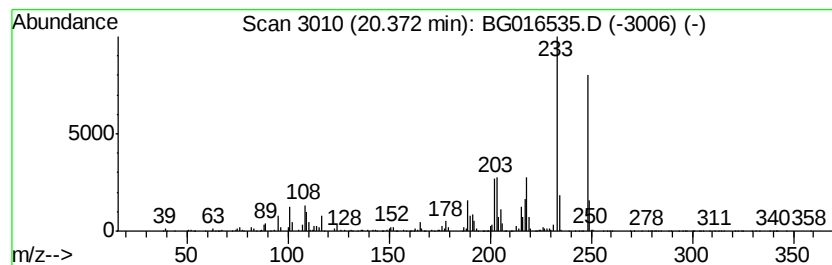
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 8-Isopropyl-1,3-dimethylphe... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	10.39 ng	500913	Chrysene-d12	21.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8-Isopropyl-1,3-dimethylphenanth...	248	C19H20	135886-06-5	93
2		1,4-Naphthoquinone, 6-acetyl-2,5...	248	C12H8O6	013378-89-7	53
3		2,4,6-Triisopropylbenzoic acid	248	C16H24O2	049623-71-4	42
4		1H-Indole, 2-cyclopropyl-3-phenyl-	233	C17H15N	163064-79-7	41
5		2(1H)-Pyrimidinethione, 3,4-dihy...	248	C13H16N2OS	063704-47-2	40



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
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ClientSampleId :
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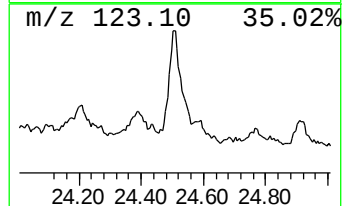
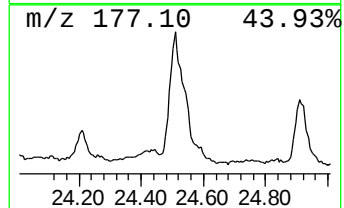
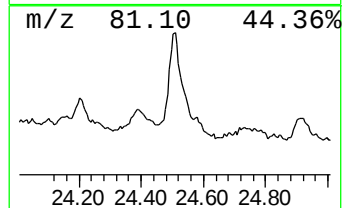
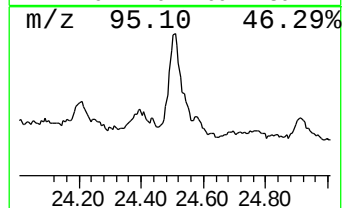
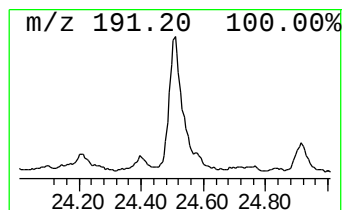
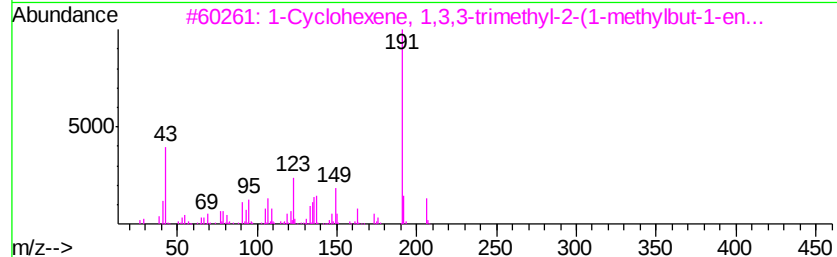
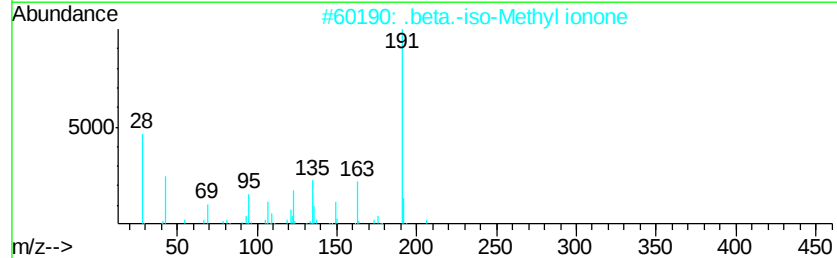
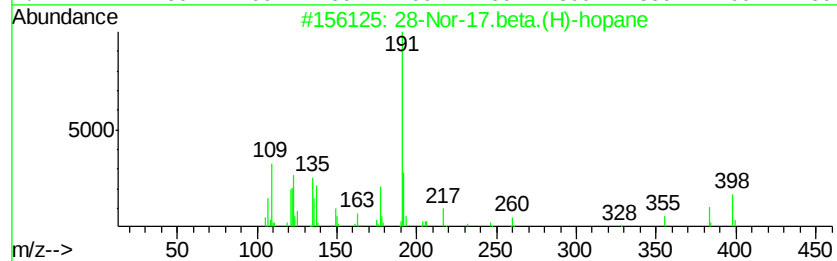
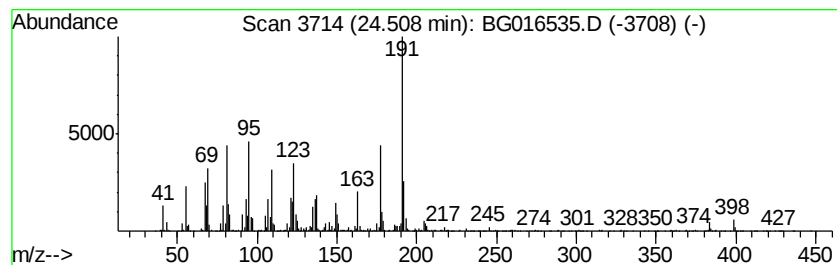
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 28-Nor-17.beta.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.51	34.66 ng	1496650	Perylene-d12	23.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	86
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	32
3		1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	32
4		28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	30
5		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	27



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
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Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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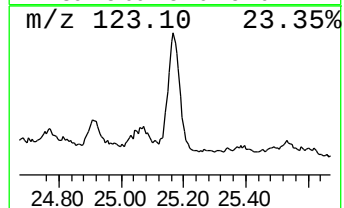
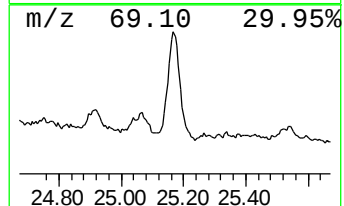
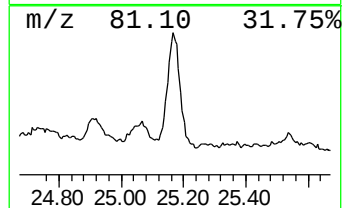
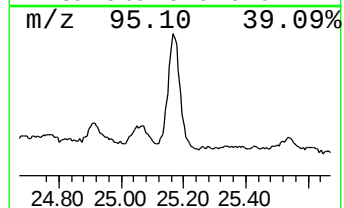
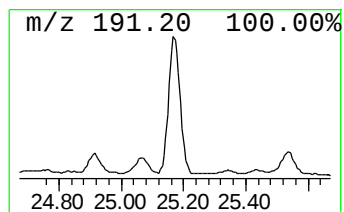
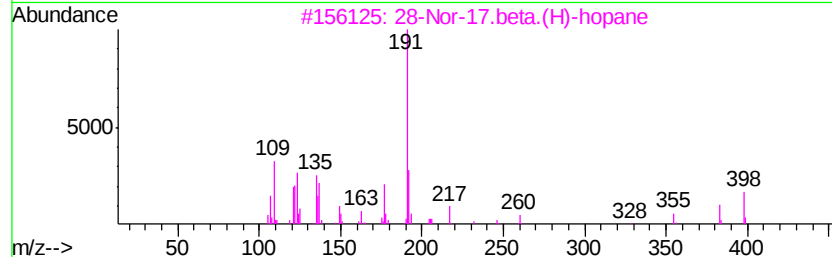
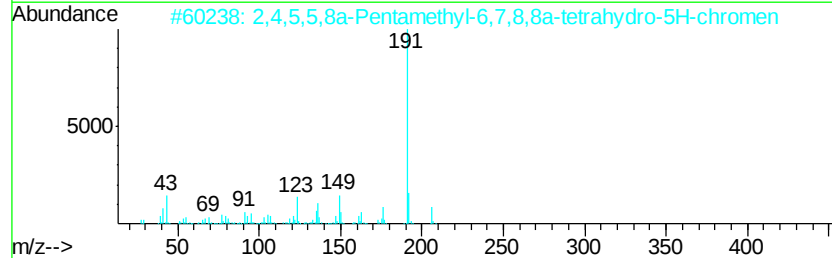
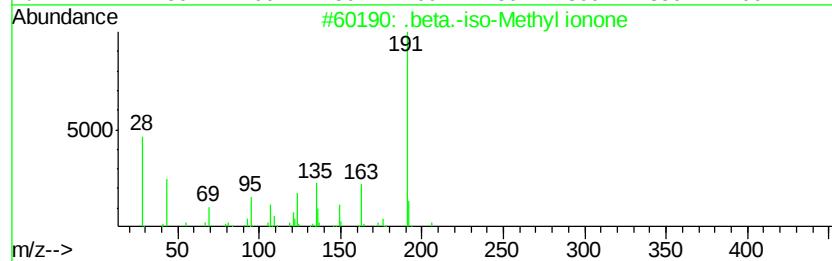
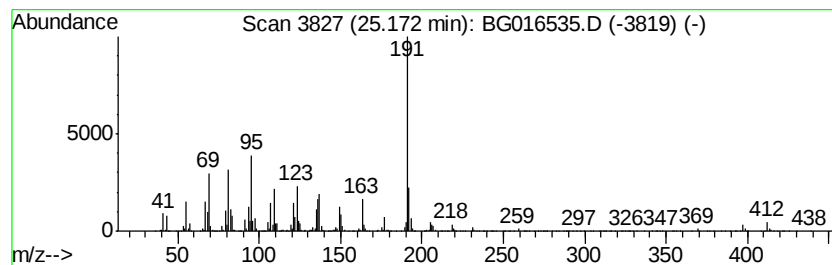
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown25.17 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.17	46.49 ng	2007240	Perylene-d12	23.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	49
2		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	47
3		28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	42
4		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38
5		4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	32



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
Data File : BG016535.D
Acq On : 18 Apr 2015 23:43
Operator : TP/IZ
Sample : G1891-09
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-68D

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.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...	2.83	5.1 ng		109204	1	7.66	427616	20.0
2-Pentanone, 4-hy...	4.77	7.5 ng		160371	1	7.66	427616	20.0
unknown7.19	7.19	68.6 ng		1466360	1	7.66	427616	20.0
2H-1-Benzopyran, ...	17.49	2.1 ng		106606	4	17.04	990097	20.0
18-Norabietane	18.16	12.3 ng		611005	4	17.04	990097	20.0
unknown18.33	18.33	11.0 ng		545745	4	17.04	990097	20.0
unknown18.52	18.52	26.3 ng		1303830	4	17.04	990097	20.0
4b,8-Dimethyl-2-i...	18.66	2.3 ng		114109	4	17.04	990097	20.0
10,18-Bisnorabiet...	19.16	2.9 ng		140624	5	21.22	964013	20.0
8-Isopropyl-1,3-d...	20.37	10.4 ng		500913	5	21.22	964013	20.0
28-Nor-17.beta.(H...	24.51	34.7 ng		1496650	6	23.46	863509	20.0
unknown25.17	25.17	46.5 ng		2007240	6	23.46	863509	20.0