

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017530.D
 Acq On : 7 Jun 2015 12:15
 Operator : TP/IZ
 Sample : G2457-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-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	2.759	9	12	28	rVB	45025	75682	5.81%	0.593%
2	4.727	341	347	354	rBV	20116	30886	2.37%	0.242%
3	5.221	424	431	445	rBV	383452	578181	44.36%	4.529%
4	6.836	699	706	715	rBV	414553	649643	49.84%	5.089%
5	7.165	755	762	770	rBV	431101	663400	50.90%	5.197%
6	7.618	831	839	847	rVB	103160	159975	12.27%	1.253%
7	7.941	886	894	901	rBV	316661	492816	37.81%	3.861%
8	8.787	1030	1038	1046	rBV	247129	422211	32.39%	3.307%
9	10.415	1308	1315	1321	rBV	127867	222354	17.06%	1.742%
10	10.467	1321	1324	1333	rVB3	10729	17577	1.35%	0.138%
11	12.906	1732	1739	1746	rBV	632726	888517	68.17%	6.960%
12	13.752	1877	1883	1890	rBV	143830	202840	15.56%	1.589%
13	14.292	1969	1975	1982	rBV2	190276	278500	21.37%	2.182%
14	14.351	1982	1985	1992	rVB	18211	26230	2.01%	0.205%
15	14.692	2038	2043	2048	rVB2	11866	17416	1.34%	0.136%
16	15.344	2148	2154	2159	rVB3	16870	29309	2.25%	0.230%
17	15.791	2224	2230	2238	rBV	537845	740414	56.81%	5.800%
18	16.014	2264	2268	2275	rBV3	16366	29606	2.27%	0.232%
19	16.355	2319	2326	2330	rBV7	7631	16309	1.25%	0.128%
20	16.807	2399	2403	2406	rVV2	17506	17537	1.35%	0.137%
21	16.860	2408	2412	2417	rVB2	13069	17644	1.35%	0.138%
22	17.042	2437	2443	2447	rBV2	222286	325478	24.97%	2.550%
23	17.083	2447	2450	2456	rVB	195430	246679	18.93%	1.932%
24	17.177	2461	2466	2470	rVB	53208	74275	5.70%	0.582%
25	17.230	2470	2475	2480	rBV7	9572	17934	1.38%	0.140%
26	17.430	2503	2509	2511	rBV3	27278	35585	2.73%	0.279%
27	17.453	2511	2513	2519	rVB3	12212	19642	1.51%	0.154%
28	17.542	2525	2528	2538	rVB6	18350	33588	2.58%	0.263%
29	17.918	2584	2592	2595	rBV	29352	55607	4.27%	0.436%
30	17.965	2595	2600	2610	rVV4	59820	137782	10.57%	1.079%
31	18.047	2610	2614	2620	rVV	23328	38030	2.92%	0.298%
32	18.111	2620	2625	2630	rVV3	52148	111003	8.52%	0.870%
33	18.153	2630	2632	2640	rVB2	26673	33456	2.57%	0.262%
34	18.241	2640	2647	2651	rBV3	19087	28741	2.21%	0.225%

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

35	18.429	2674	2679	2683	rVB	28422	37904	2.91%	0.297%
36	18.470	2683	2686	2692	rBV5	13614	19818	1.52%	0.155%
37	18.846	2746	2750	2752	rVV	20058	25248	1.94%	0.198%
38	18.911	2759	2761	2764	rVB4	12556	13355	1.02%	0.105%
39	18.987	2770	2774	2778	rBV6	17224	28857	2.21%	0.226%
40	19.110	2790	2795	2801	rBV	398676	526892	40.43%	4.127%
41	19.175	2803	2806	2809	rVB4	11970	14408	1.11%	0.113%
42	19.216	2809	2813	2815	rBV5	12577	17914	1.37%	0.140%
43	19.357	2831	2837	2839	rBV3	14930	26421	2.03%	0.207%
44	19.381	2839	2841	2846	rVB5	25098	34490	2.65%	0.270%
45	19.445	2848	2852	2853	rBV2	71994	84208	6.46%	0.660%
46	19.475	2853	2857	2865	rVV	365626	521486	40.01%	4.085%
47	19.545	2866	2869	2876	rVB4	22268	42960	3.30%	0.337%
48	19.686	2883	2893	2897	rBV	1067785	1303334	100.00%	10.210%
49	19.715	2897	2898	2903	rVB2	25298	24955	1.91%	0.195%
50	19.809	2907	2914	2919	rBV5	36627	93595	7.18%	0.733%
51	19.939	2931	2936	2937	rBV4	26168	39699	3.05%	0.311%
52	19.974	2939	2942	2947	rVB	63578	84269	6.47%	0.660%
53	20.074	2955	2959	2962	rBV	45457	53316	4.09%	0.418%
54	20.133	2966	2969	2974	rVB3	39563	46717	3.58%	0.366%
55	20.274	2989	2993	2996	rBV2	27761	37674	2.89%	0.295%
56	20.315	2996	3000	3004	rVV4	25291	41593	3.19%	0.326%
57	20.432	3017	3020	3023	rVB4	27239	30535	2.34%	0.239%
58	20.720	3066	3069	3075	rBV3	22744	31926	2.45%	0.250%
59	20.885	3095	3097	3100	rBV	18066	19410	1.49%	0.152%
60	20.926	3102	3104	3106	rVV2	33512	34005	2.61%	0.266%
61	20.949	3106	3108	3116	rVB4	86344	135087	10.36%	1.058%
62	21.237	3150	3157	3161	rBV2	349590	691371	53.05%	5.416%
63	21.272	3161	3163	3170	rVB	177774	221036	16.96%	1.732%
64	21.390	3180	3183	3188	rBV2	53534	64019	4.91%	0.501%
65	21.784	3244	3250	3254	rBV3	52150	90289	6.93%	0.707%
66	22.806	3419	3424	3429	rBV	167248	354253	27.18%	2.775%
67	23.288	3501	3506	3513	rVB	107107	190997	14.65%	1.496%
68	23.382	3517	3522	3528	rVB	182102	320284	24.57%	2.509%
69	23.476	3533	3538	3544	rBV2	177814	332982	25.55%	2.608%
70	25.755	3920	3926	3935	rVB2	77388	213748	16.40%	1.674%
71	26.449	4038	4044	4052	rBV2	56966	181650	13.94%	1.423%

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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

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Peak separation: 5

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

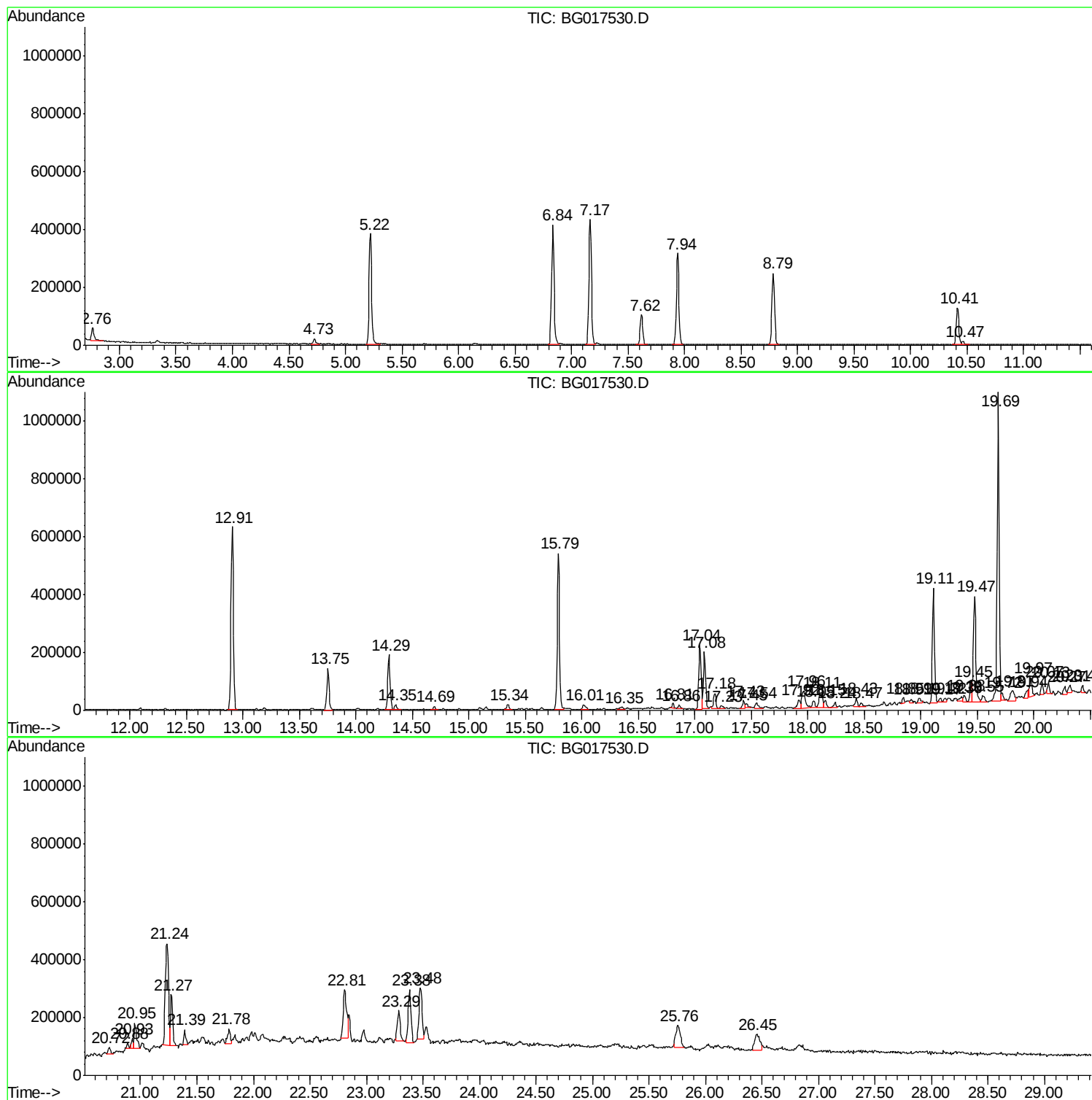
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Operator : TP/IZ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
SP-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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
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Acq On : 7 Jun 2015 12:15
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Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

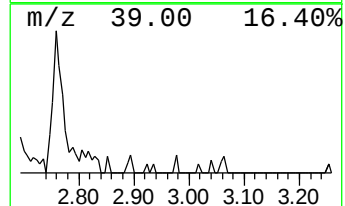
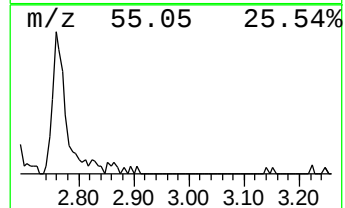
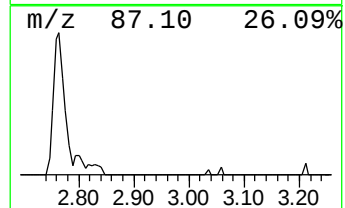
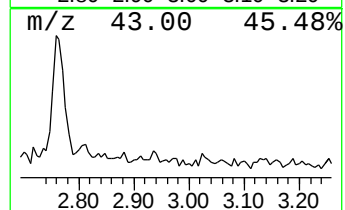
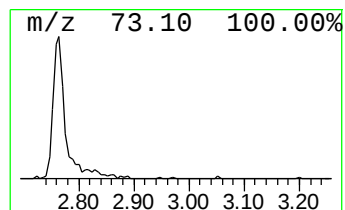
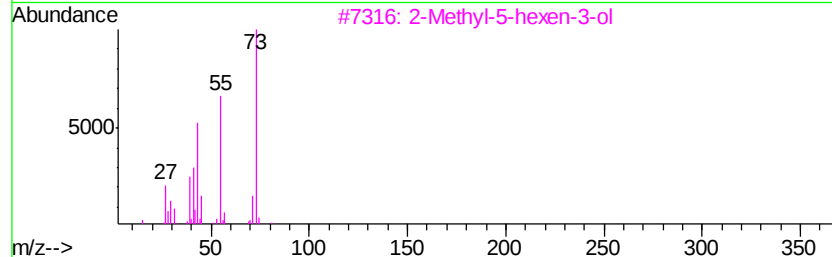
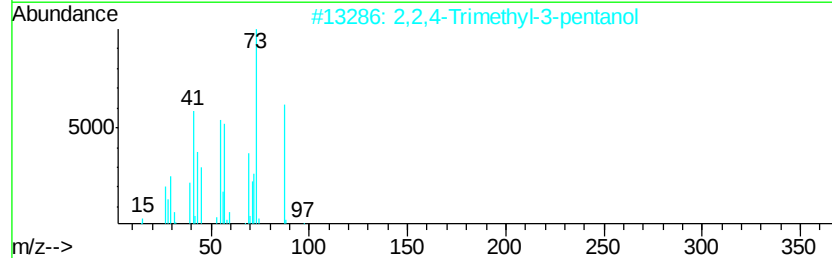
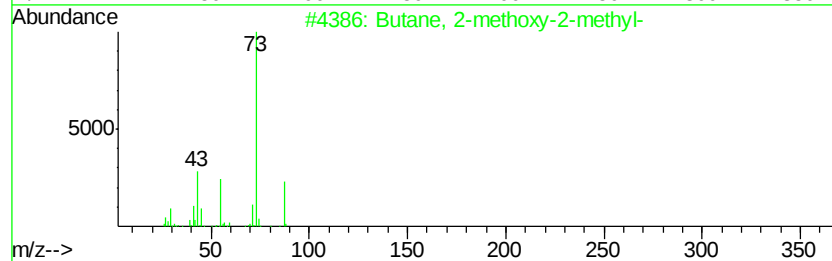
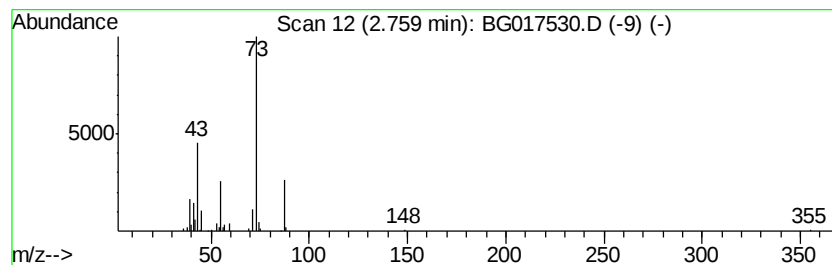
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	9.46 ng	75682	1,4-Dichlorobenzene-d4	7.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
4			1,4-Butanediamine	88	C4H12N2	000110-60-1	9
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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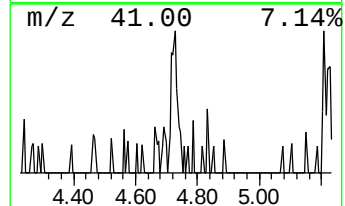
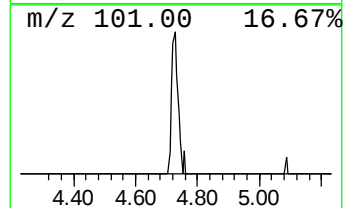
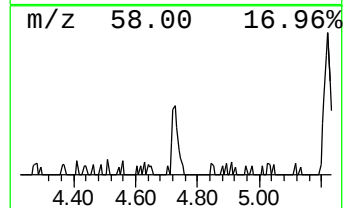
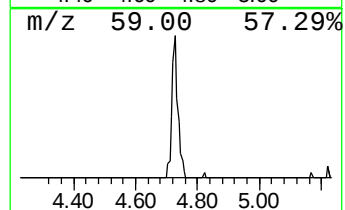
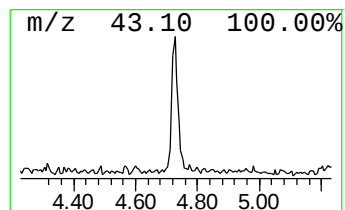
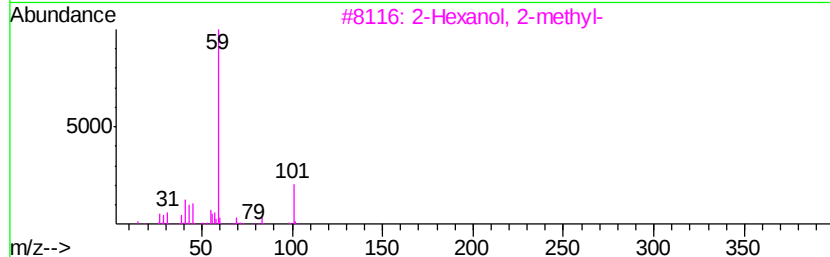
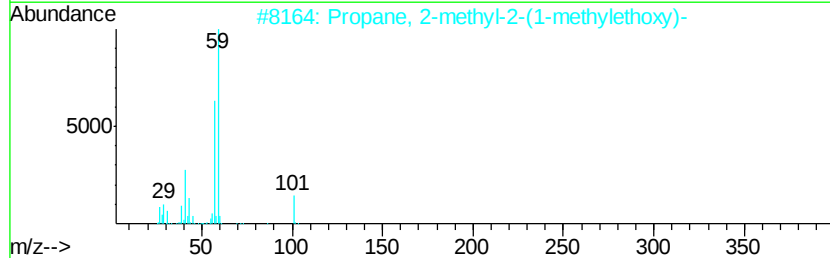
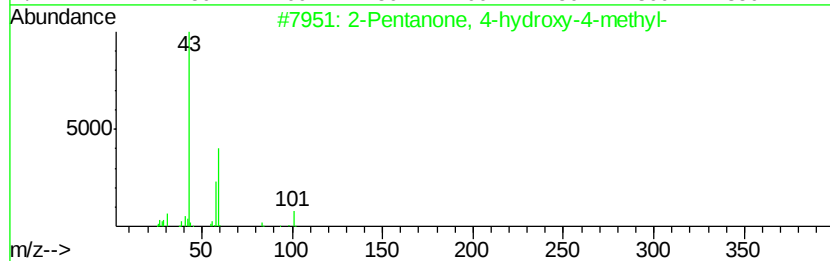
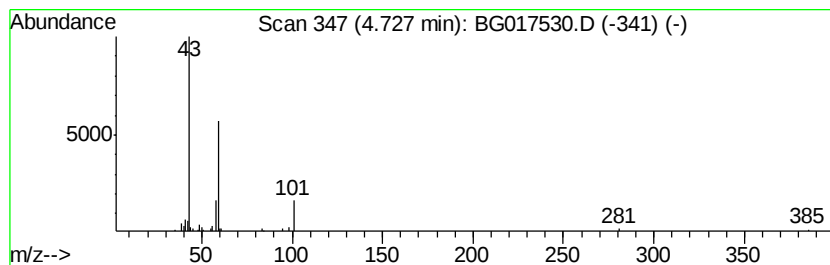
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown4.73 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	3.86 ng	30886	1,4-Dichlorobenzene-d4	7.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	25
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
4			3-Hexanol	102	C6H14O	000623-37-0	17
5			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	16



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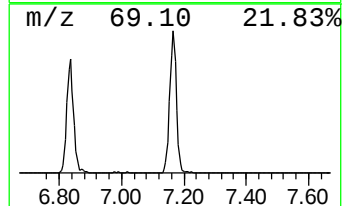
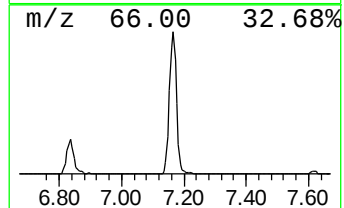
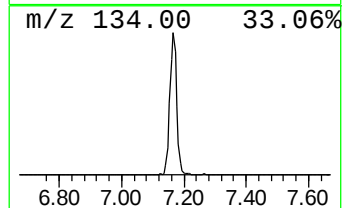
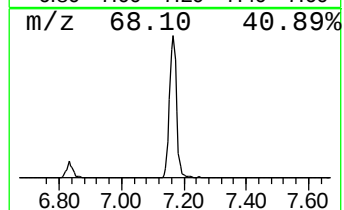
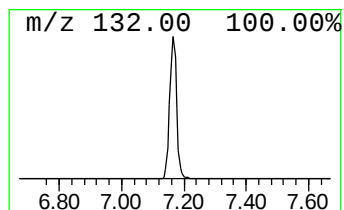
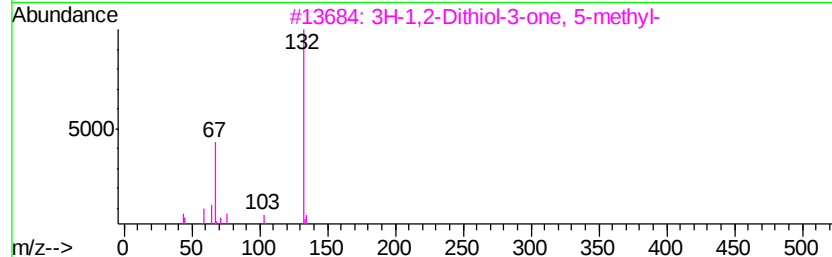
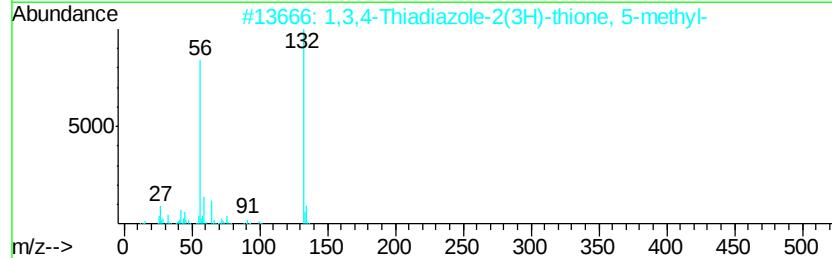
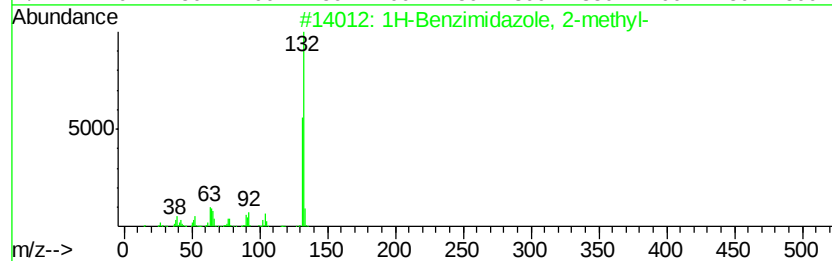
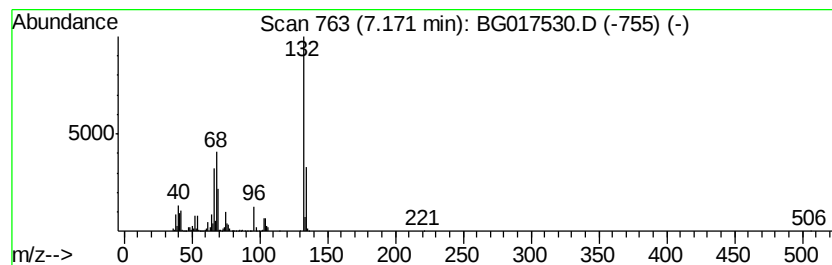
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	82.94 ng	663400	1,4-Dichlorobenzene-d4	7.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	27
2		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	27
3		3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	27
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
5		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23



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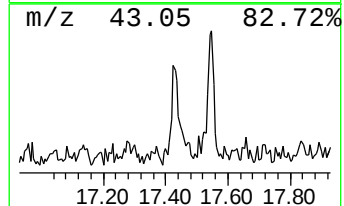
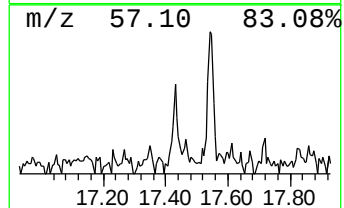
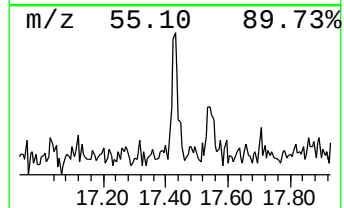
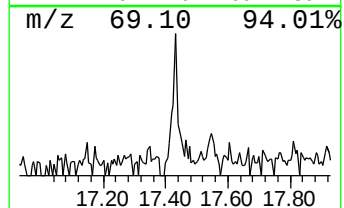
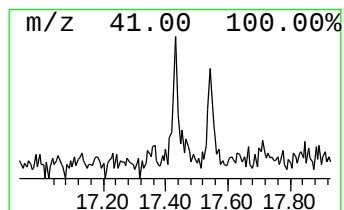
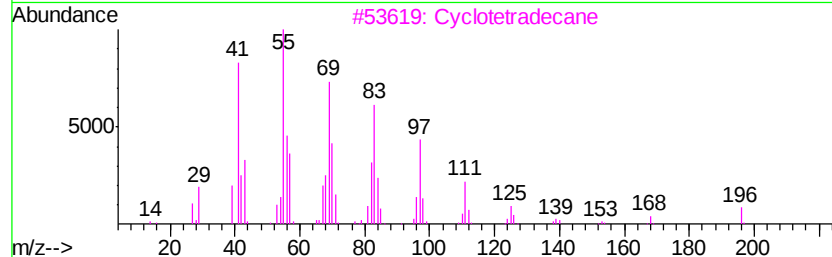
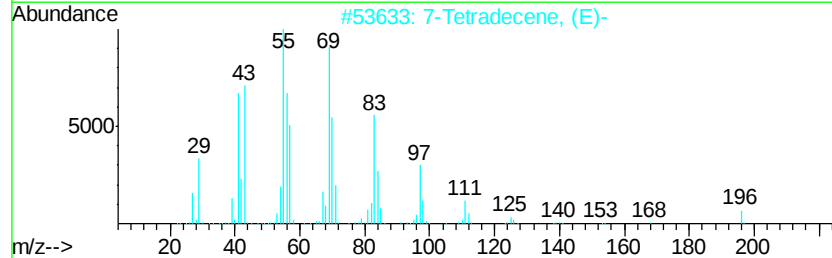
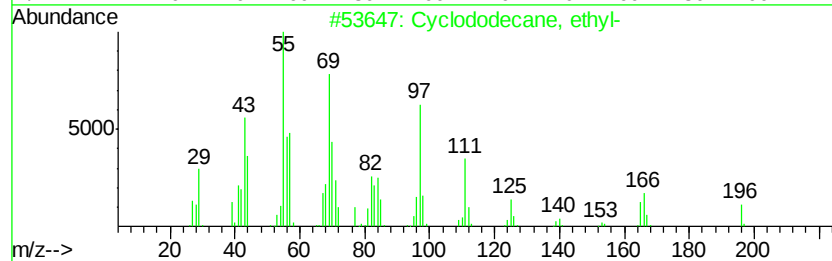
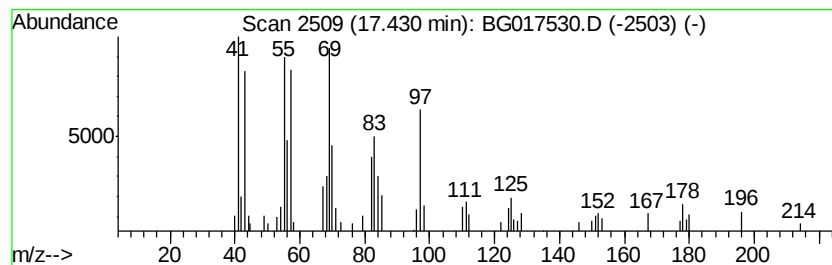
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclododecane, ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.19 ng	35585	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclododecane, ethyl-	196	C14H28	028981-49-9	90
2		7-Tetradecene, (E)-	196	C14H28	041446-63-3	89
3		Cyclotetradecane	196	C14H28	000295-17-0	83
4		6-Tetradecene, (Z)-	196	C14H28	041446-61-1	70
5		1-Tetradecene	196	C14H28	001120-36-1	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
SP-2

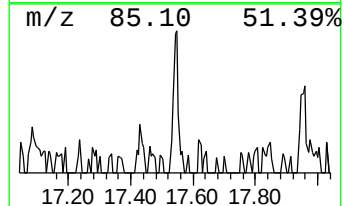
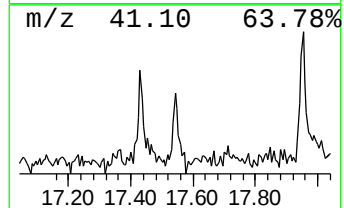
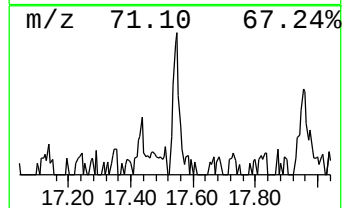
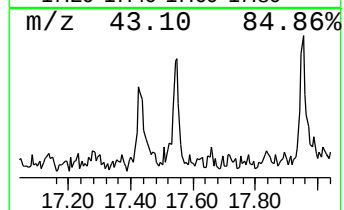
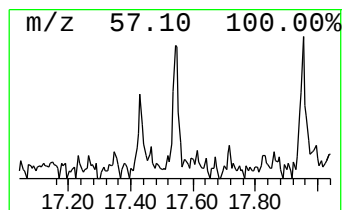
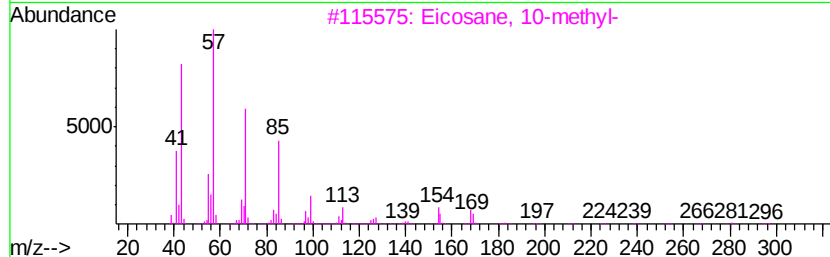
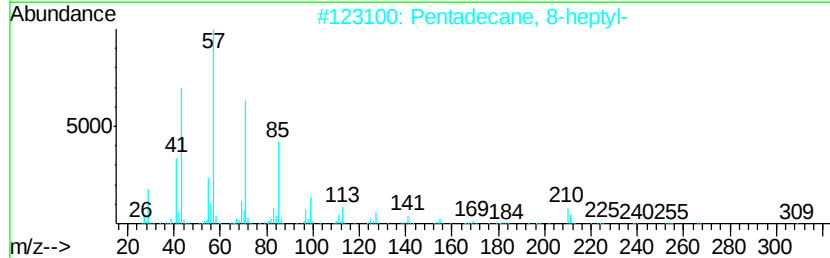
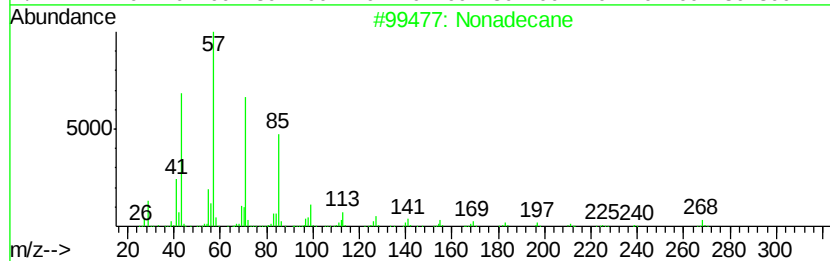
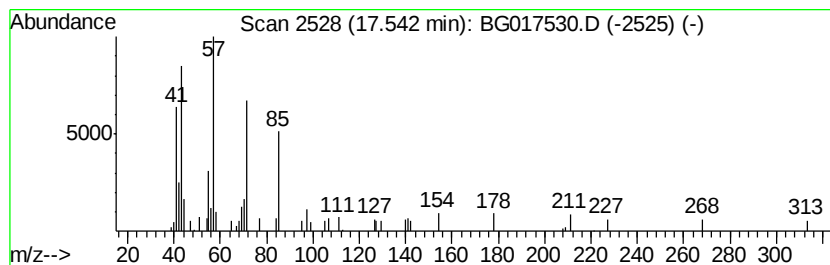
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	2.06 ng	33588	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane		268	C19H40	000629-92-5	68
2	Pentadecane, 8-heptyl-		310	C22H46	071005-15-7	64
3	Eicosane, 10-methyl-		296	C21H44	054833-23-7	59
4	Tricosane, 2-methyl-		338	C24H50	001928-30-9	59
5	Eicosane		282	C20H42	000112-95-8	59



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
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Acq On : 7 Jun 2015 12:15
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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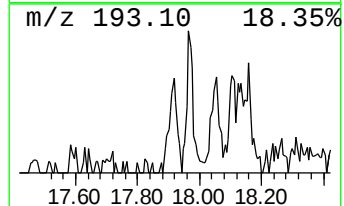
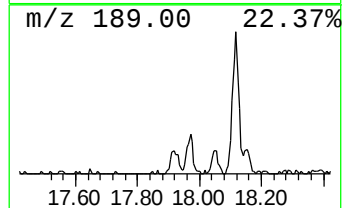
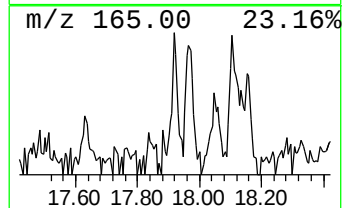
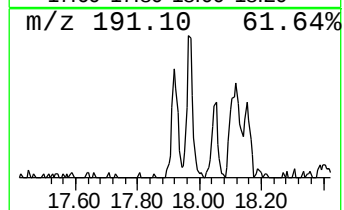
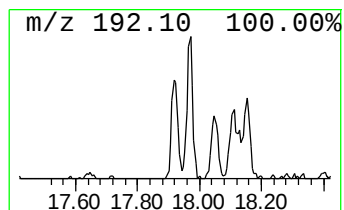
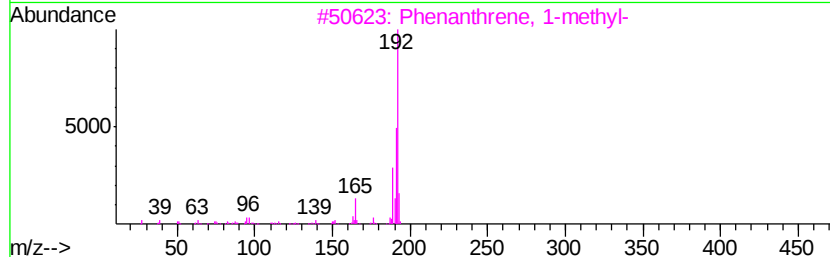
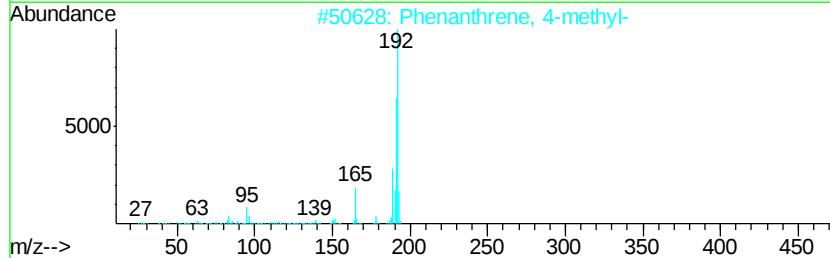
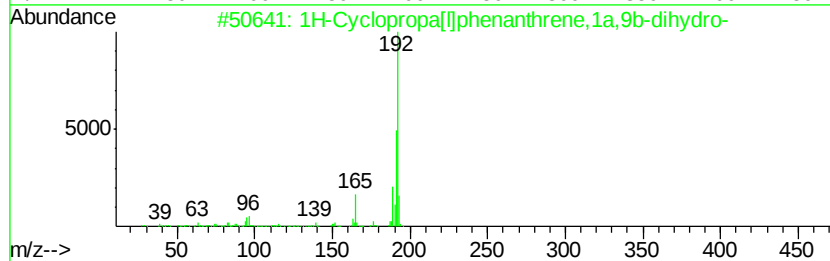
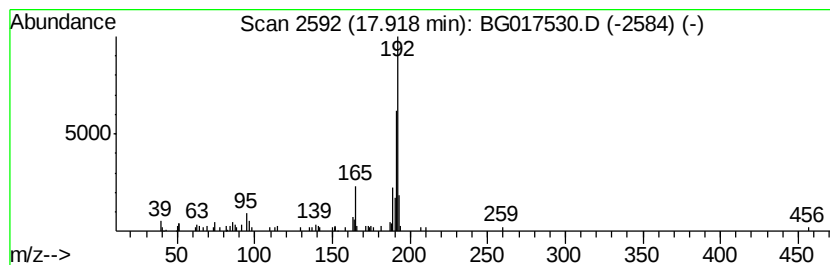
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	3.42 ng	55607	Phenanthrene-d10	17.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	89



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

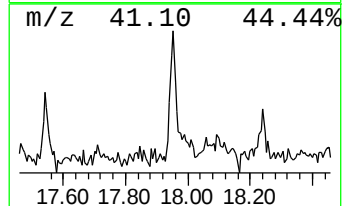
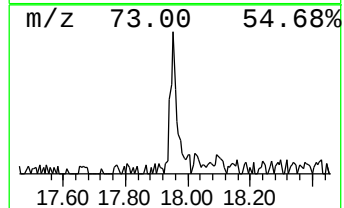
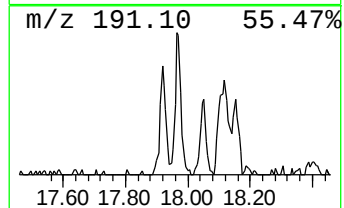
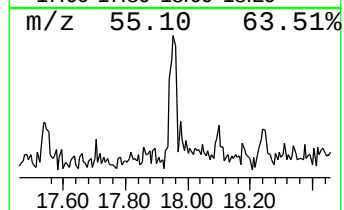
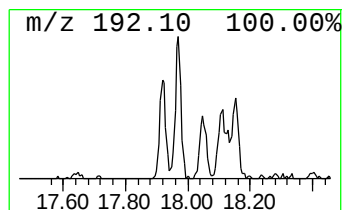
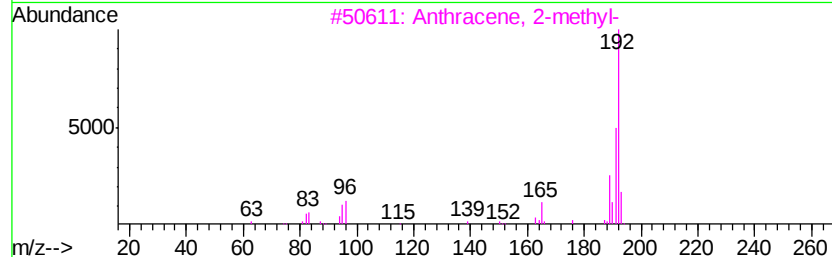
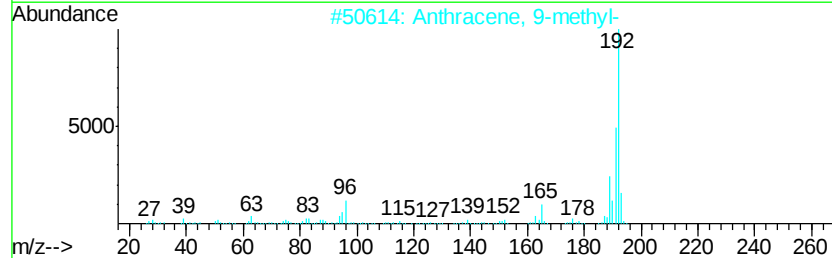
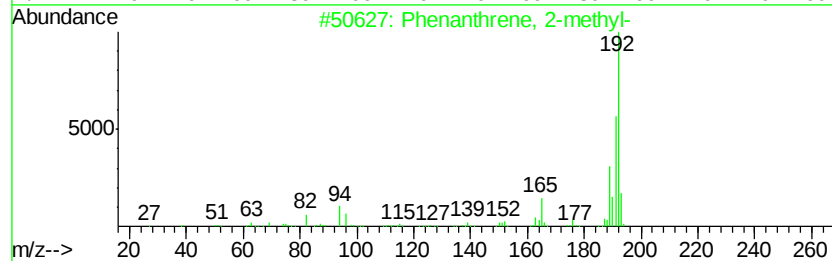
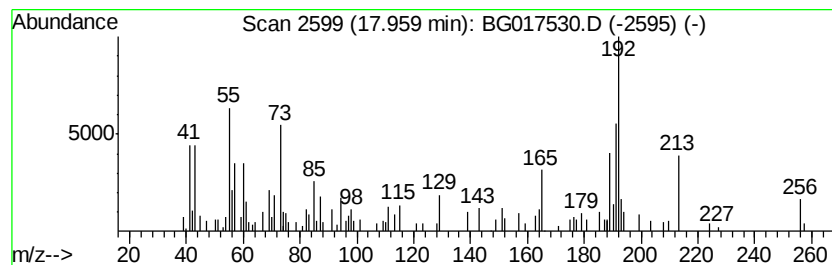
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.96	8.47 ng	137782	Phenanthrene-d10	17.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
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Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

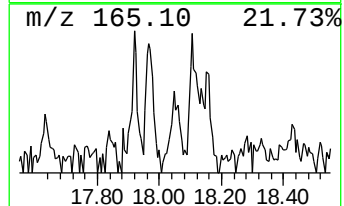
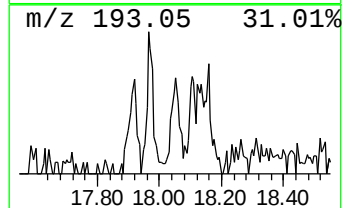
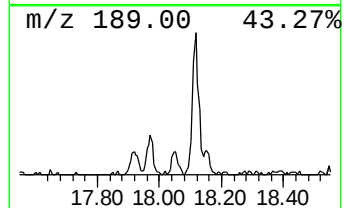
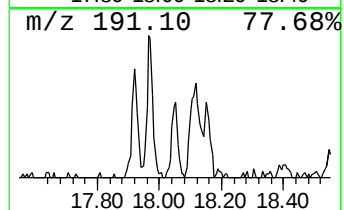
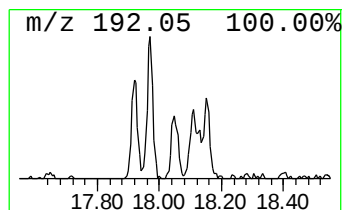
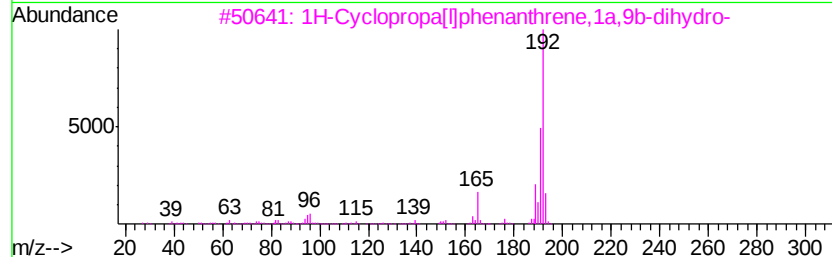
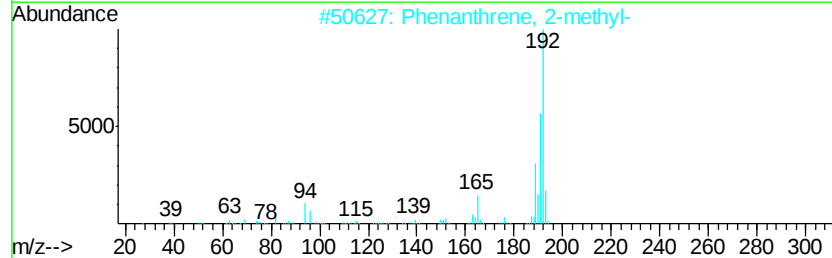
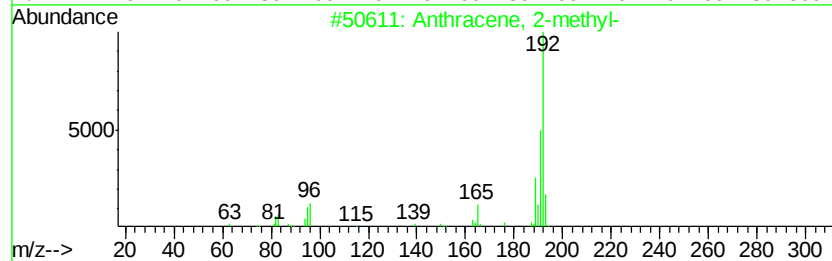
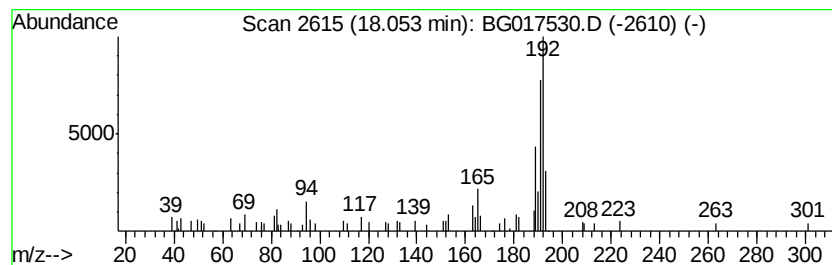
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.34 ng	38030	Phenanthrene-d10	17.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	76
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

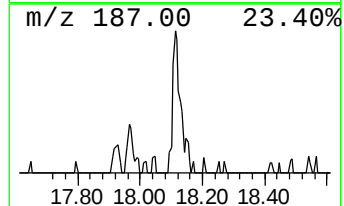
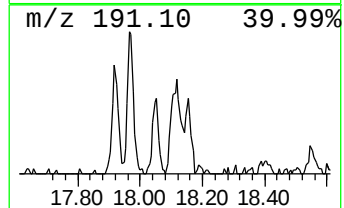
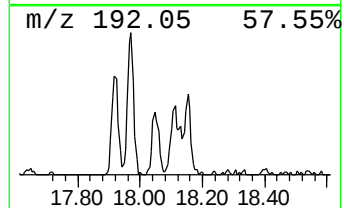
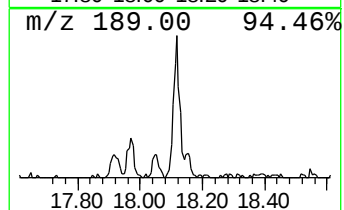
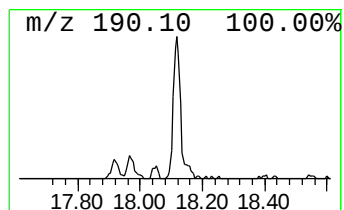
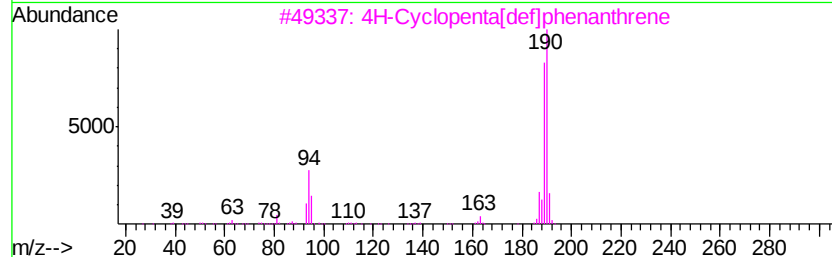
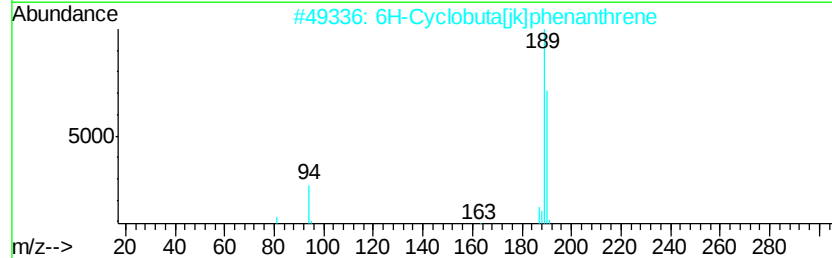
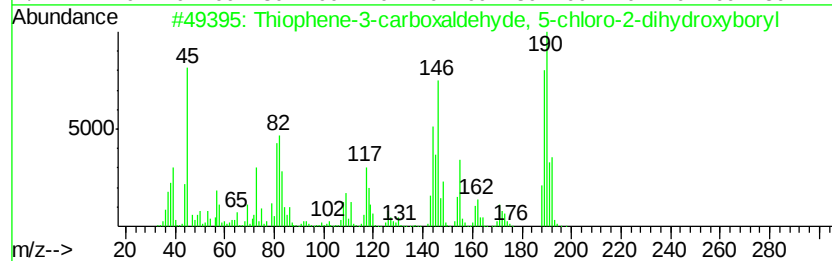
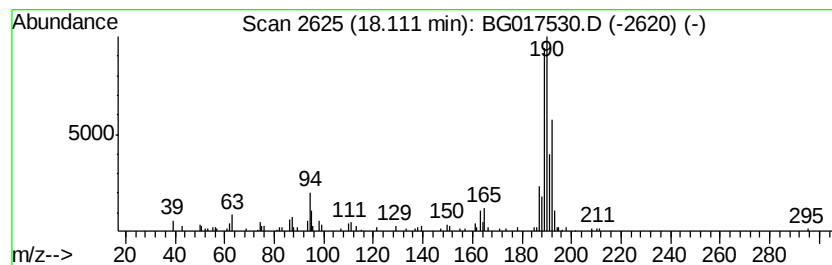
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Thiophene-3-carboxaldehyde,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	6.82 ng	111003	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	22



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
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Misc :
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Instrument :
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ClientSampleId :
SP-2

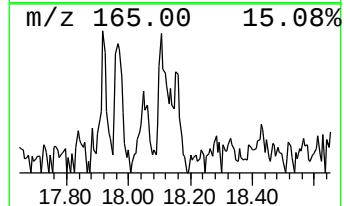
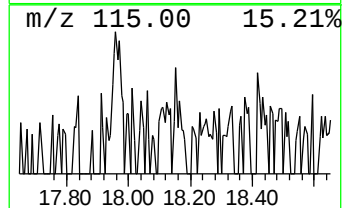
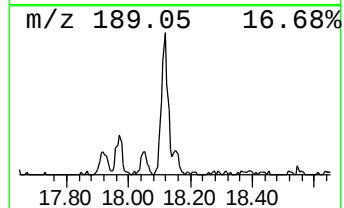
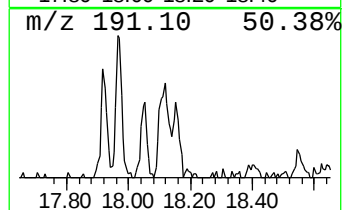
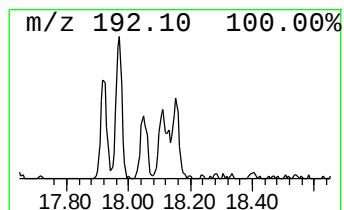
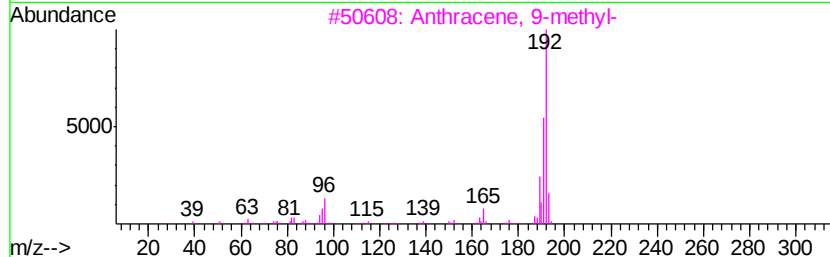
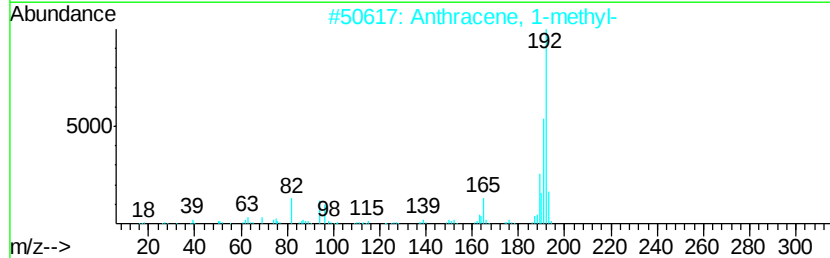
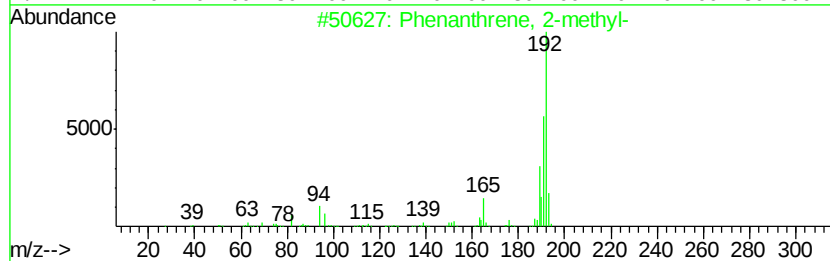
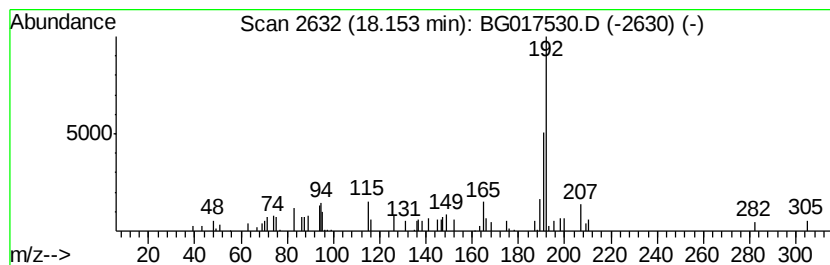
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.06 ng	33456	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	53
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
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Sample : G2457-03
Misc :
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Instrument :
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ClientSampleId :
SP-2

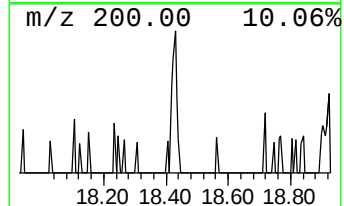
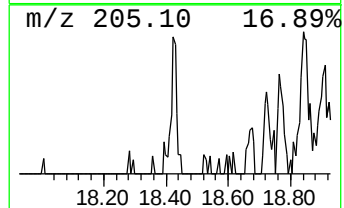
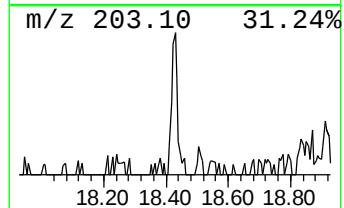
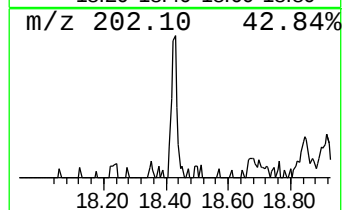
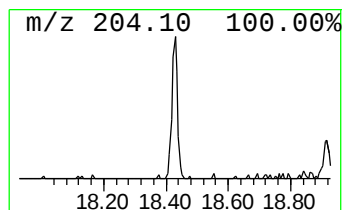
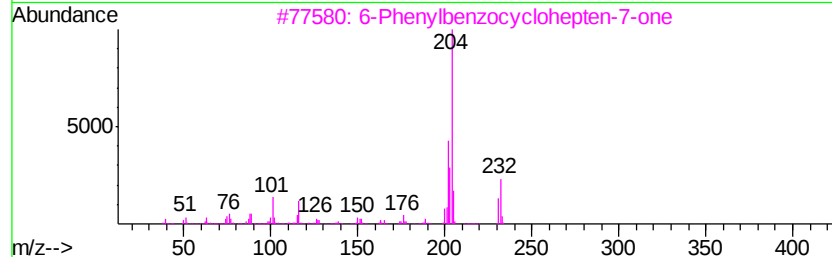
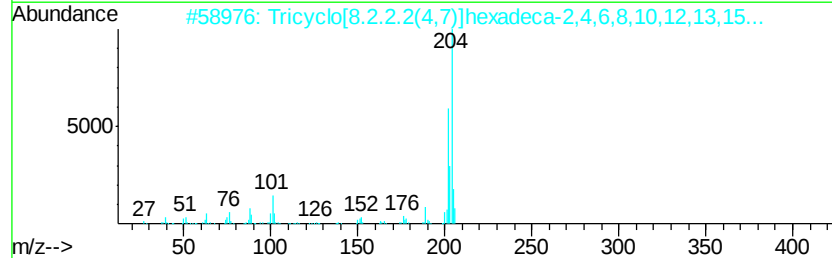
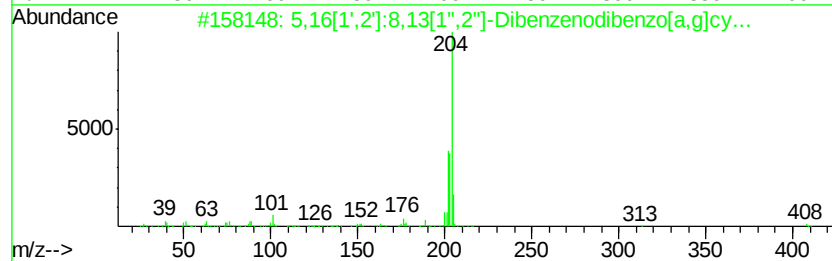
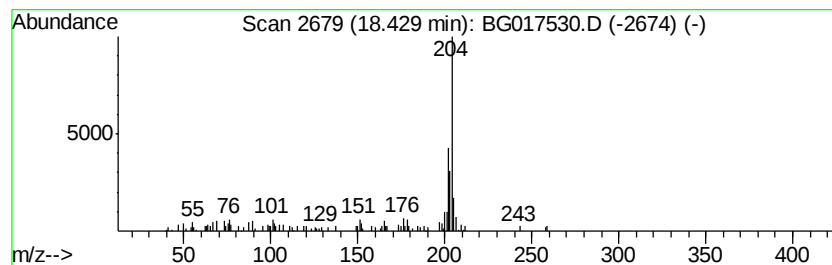
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.33 ng	37904	Phenanthrene-d10	17.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

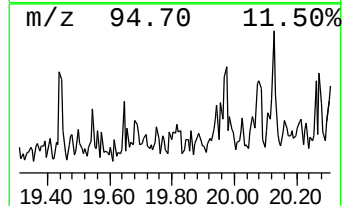
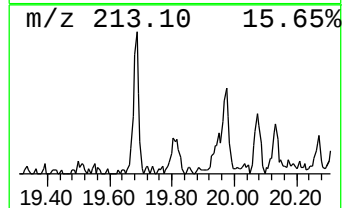
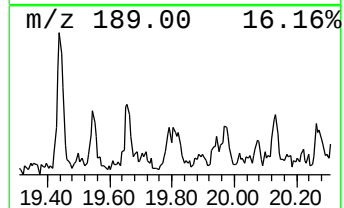
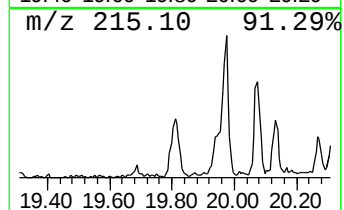
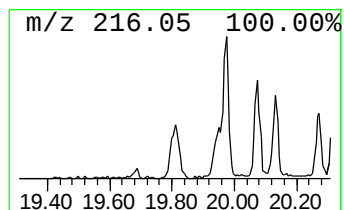
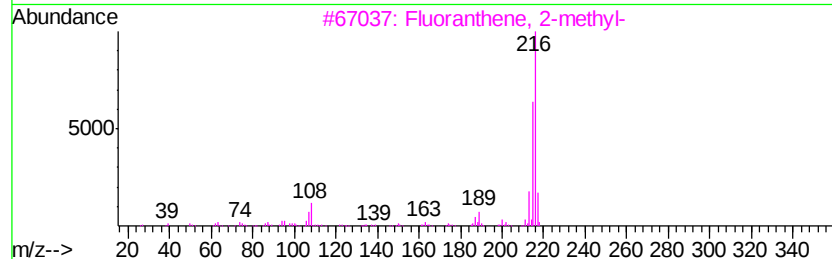
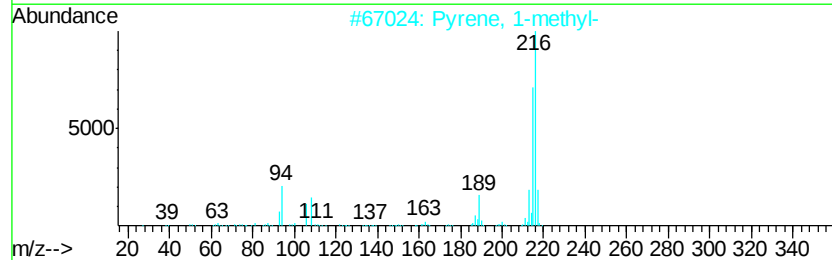
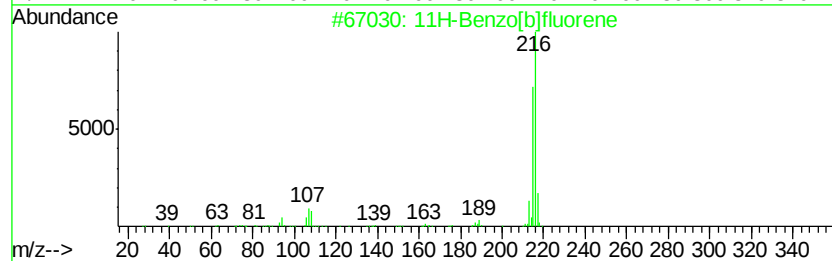
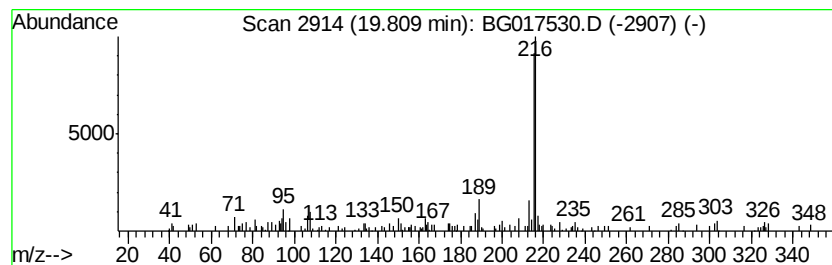
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.71 ng	93595	Chrysene-d12	21.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5		Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	59



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

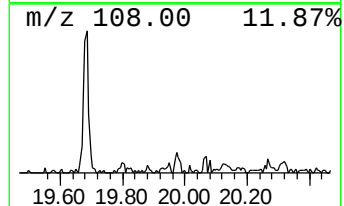
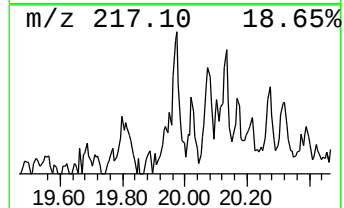
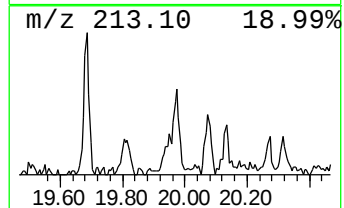
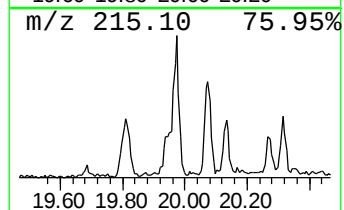
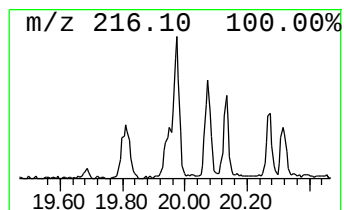
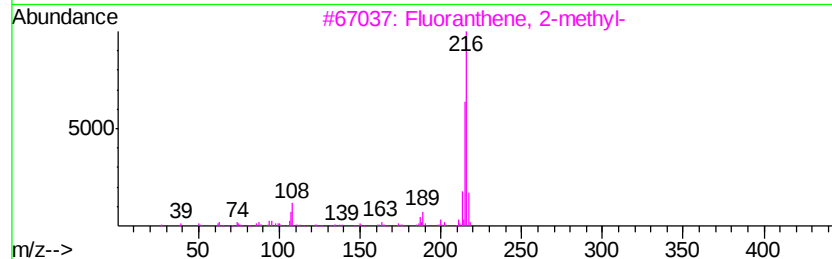
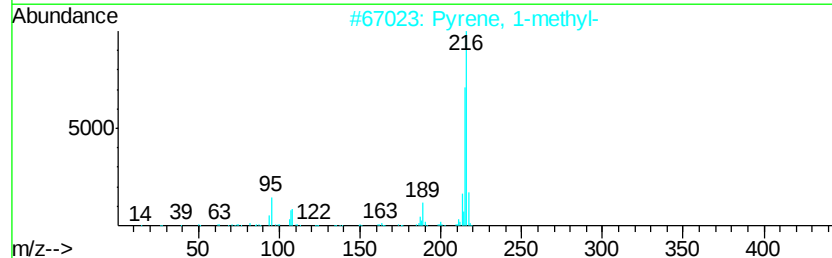
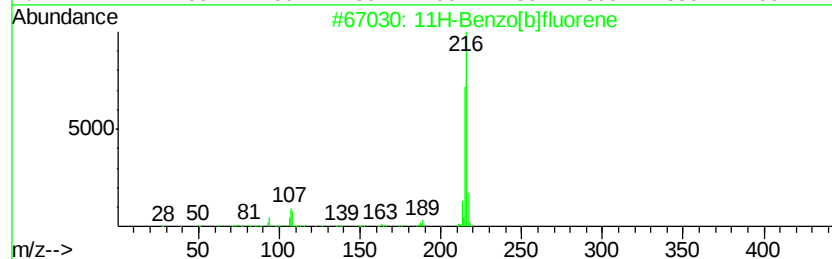
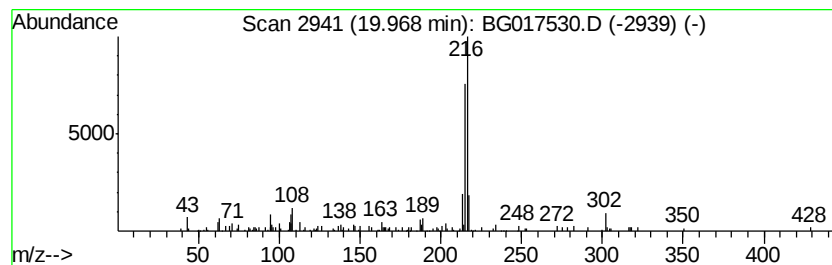
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.44 ng	84269	Chrysene-d12	21.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

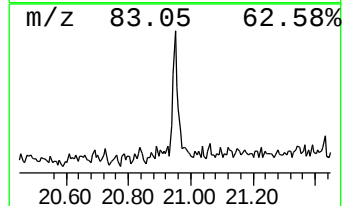
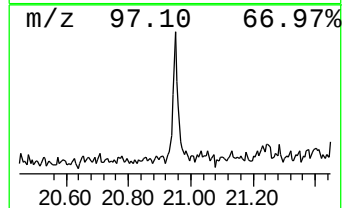
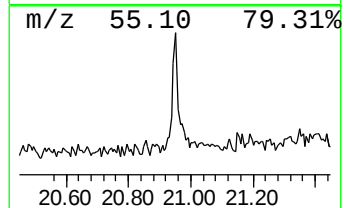
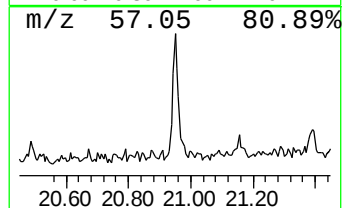
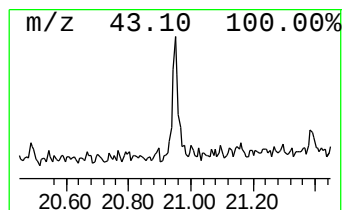
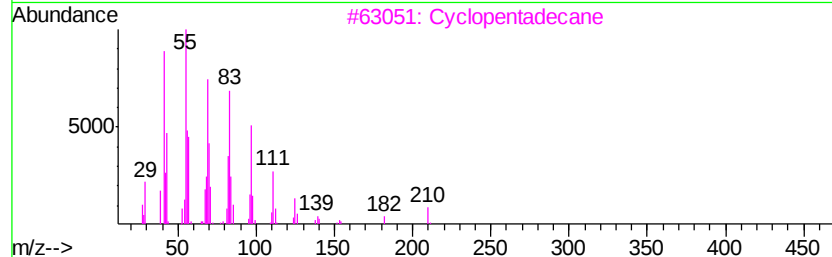
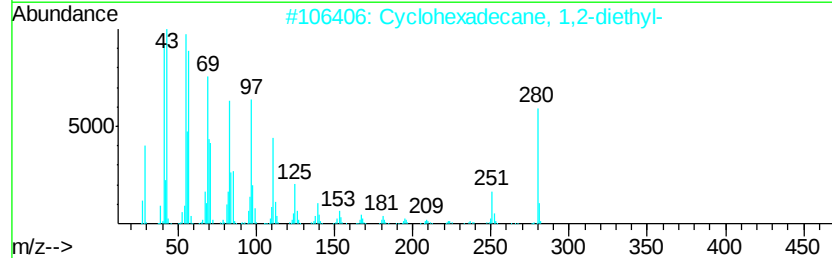
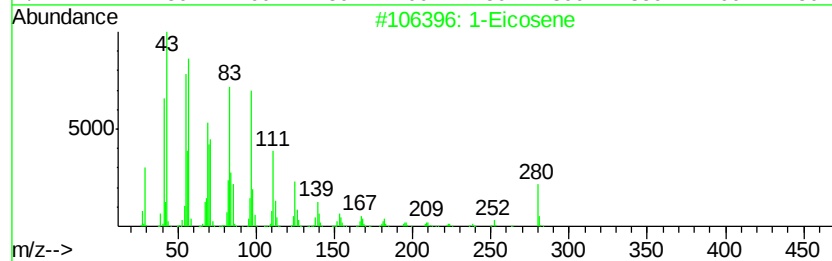
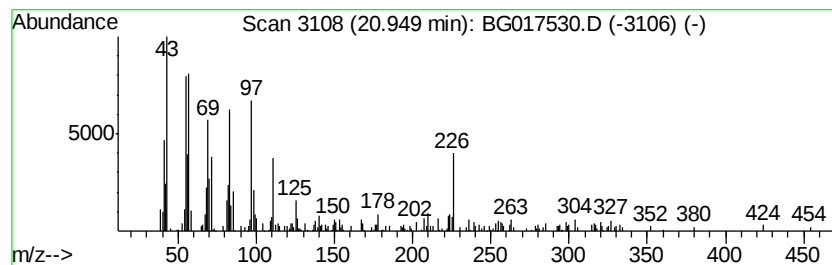
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1-Eicosene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.95	3.91 ng	135087	Chrysene-d12	21.24	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	89
2	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	70
3	Cyclopentadecane	210	C15H30	000295-48-7	70
4	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	64
5	1-Hexacosene	364	C26H52	018835-33-1	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

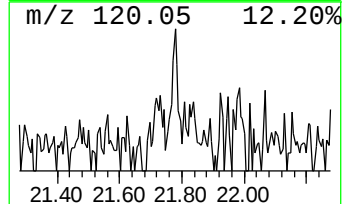
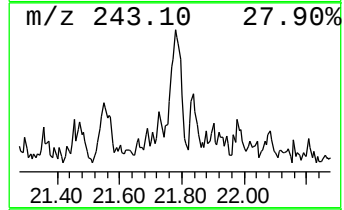
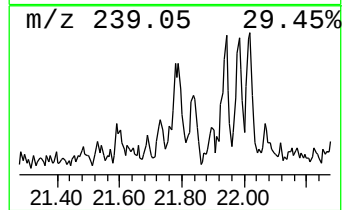
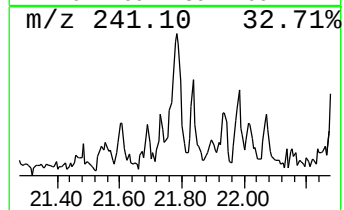
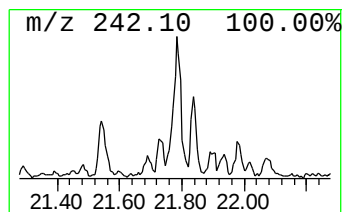
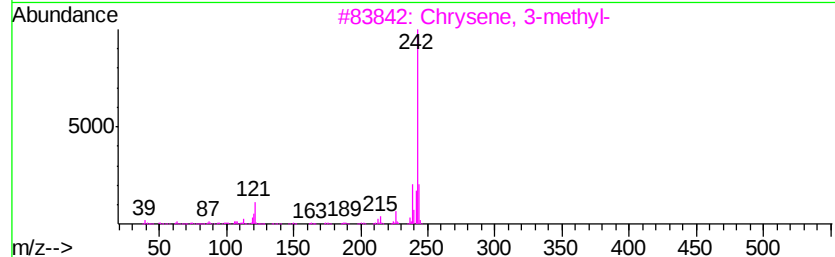
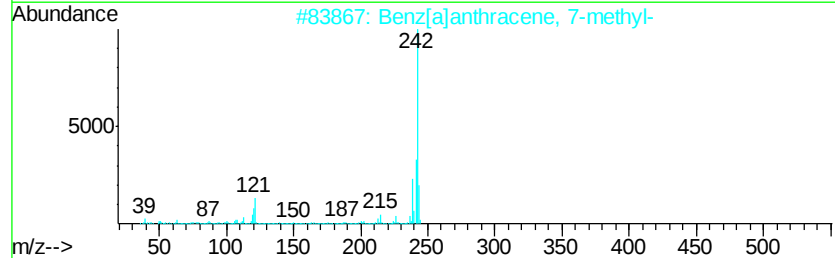
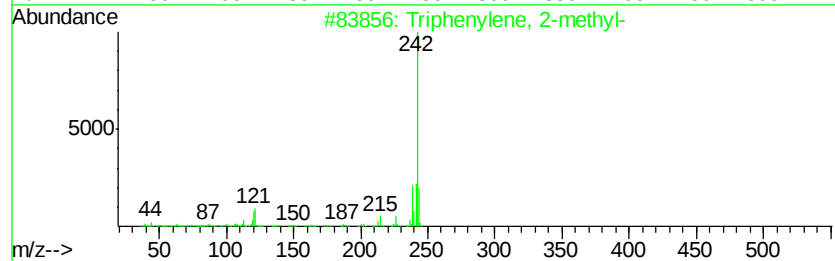
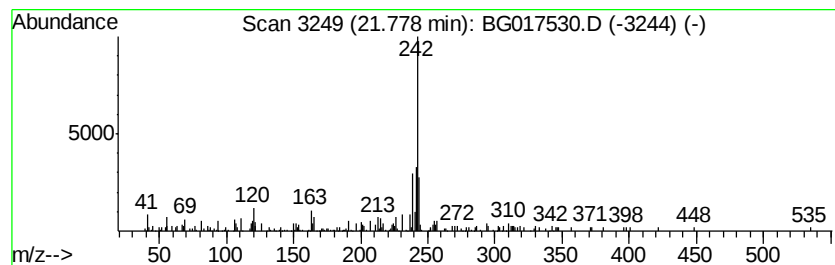
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.78	2.61 ng	90289	Chrysene-d12	21.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylene, 2-methyl-	242	C19H14	001705-84-6	81
2			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
3			Chrysene, 3-methyl-	242	C19H14	003351-31-3	76
4			Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	76
5			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	74



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2

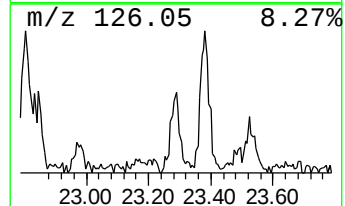
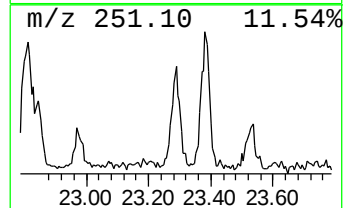
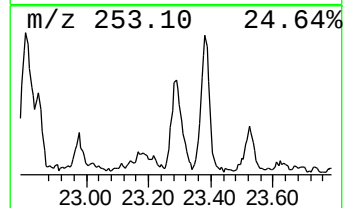
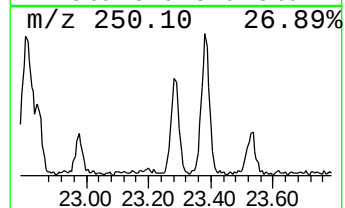
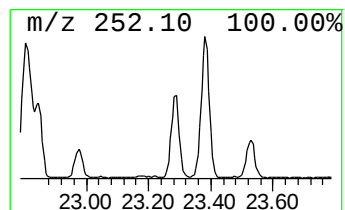
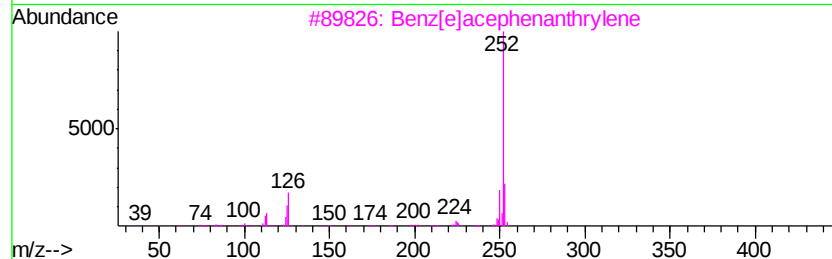
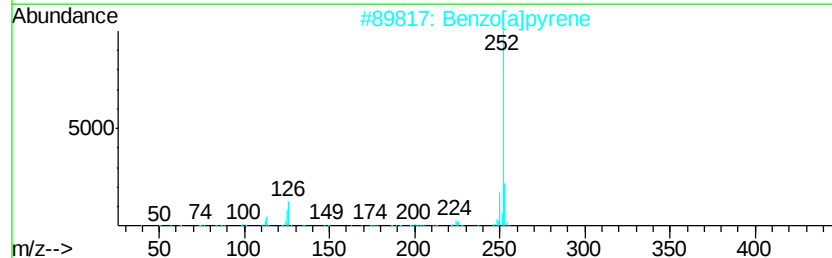
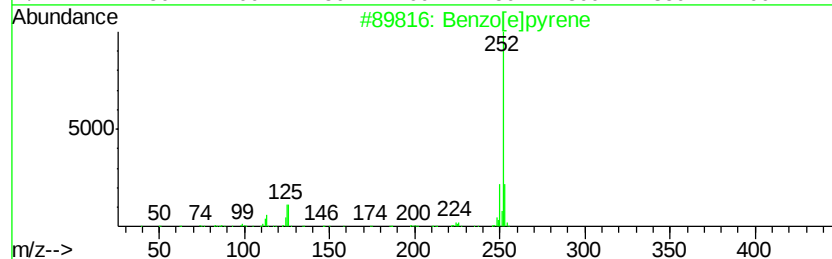
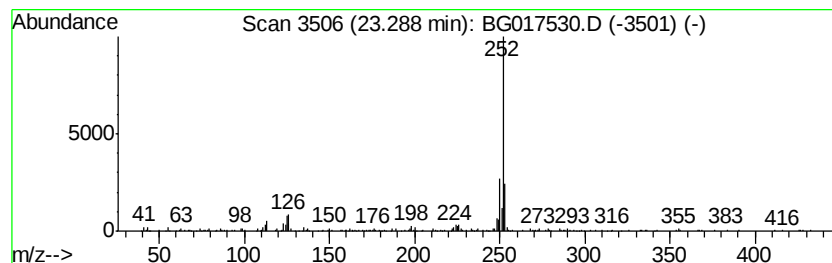
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	11.47 ng	190997	Perylene-d12	23.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Perylene	252	C20H12	000198-55-0	86
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	86



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017530.D
 Acq On : 7 Jun 2015 12:15
 Operator : TP/IZ
 Sample : G2457-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-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...	2.76	9.5	ng	75682	1	7.62	159975	20.0
unknown4.73	4.73	3.9	ng	30886	1	7.62	159975	20.0
unknown7.17	7.17	82.9	ng	663400	1	7.62	159975	20.0
Cyclododecane, et...	17.43	2.2	ng	35585	4	17.04	325478	20.0
Nonadecane	17.54	2.1	ng	33588	4	17.04	325478	20.0
1H-Cyclopropa[1]p...	17.92	3.4	ng	55607	4	17.04	325478	20.0
Phenanthrene, 2-m...	17.96	8.5	ng	137782	4	17.04	325478	20.0
Anthracene, 2-met...	18.05	2.3	ng	38030	4	17.04	325478	20.0
Thiophene-3-carbo...	18.11	6.8	ng	111003	4	17.04	325478	20.0
Anthracene, 1-met...	18.15	2.1	ng	33456	4	17.04	325478	20.0
5,16[1',2']:8,13[...	18.43	2.3	ng	37904	4	17.04	325478	20.0
11H-Benzo[b]fluorene	19.81	2.7	ng	93595	5	21.24	691371	20.0
Pyrene, 1-methyl-	19.97	2.4	ng	84269	5	21.24	691371	20.0
1-Eicosene	20.95	3.9	ng	135087	5	21.24	691371	20.0
Triphenylene, 2-m...	21.78	2.6	ng	90289	5	21.24	691371	20.0
Benzo[e]pyrene	23.29	11.5	ng	190997	6	23.48	332982	20.0