

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
 Data File : BG023296.D
 Acq On : 27 Jul 2016 23:41
 Operator : UM/SJ
 Sample : H4175-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

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-BG072616.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	3.003	22	28	44	rVB	3304501	5350318	3.32%	0.301%
2	4.583	287	297	312	rBV	3808599	5973934	3.71%	0.336%
3	5.200	394	402	411	rBV	4341724	7294371	4.53%	0.410%
4	8.261	905	923	928	rVV	27838999	116861237	72.54%	6.571%
5	8.419	943	950	954	rBV	6554463	11067628	6.87%	0.622%
6	8.466	954	958	963	rVV	2333484	4610009	2.86%	0.259%
7	8.548	967	972	976	rVV	2392999	3806801	2.36%	0.214%
8	8.977	1039	1045	1055	rVB	4560686	8110487	5.03%	0.456%
9	9.318	1095	1103	1109	rBV	2085674	3871334	2.40%	0.218%
10	10.922	1368	1376	1381	rBV	5897089	9492580	5.89%	0.534%
11	10.975	1381	1385	1391	rVB	1159523	1977210	1.23%	0.111%
12	11.638	1483	1498	1502	rBV2	607068	1756222	1.09%	0.099%
13	11.715	1502	1511	1519	rVV2	7715720	15093405	9.37%	0.849%
14	11.956	1545	1552	1565	rVB2	972023	2495497	1.55%	0.140%
15	12.367	1616	1622	1628	rVB	4331026	6501306	4.04%	0.366%
16	13.424	1790	1802	1807	rBV	5161826	8508551	5.28%	0.478%
17	13.606	1826	1833	1837	rBV	8308748	12481938	7.75%	0.702%
18	13.665	1837	1843	1852	rVV2	1882539	4842389	3.01%	0.272%
19	13.741	1852	1856	1862	rVV	1357063	2522037	1.57%	0.142%
20	13.806	1862	1867	1873	rVB	1151530	1928717	1.20%	0.108%
21	13.935	1884	1889	1895	rBV	1510522	2699679	1.68%	0.152%
22	13.994	1895	1899	1912	rVB	3922373	6740761	4.18%	0.379%
23	14.435	1968	1974	1991	rBV	8345018	15043437	9.34%	0.846%
24	14.675	2010	2015	2018	rBV	2020929	2855925	1.77%	0.161%
25	14.775	2027	2032	2036	rBV	6597218	10960350	6.80%	0.616%
26	14.887	2046	2051	2058	rVB2	4408411	7053148	4.38%	0.397%
27	14.993	2066	2069	2074	rVV2	998620	1824648	1.13%	0.103%
28	15.046	2074	2078	2090	rVV	2486748	5247937	3.26%	0.295%
29	15.433	2139	2144	2154	rBV	7769394	15020458	9.32%	0.845%
30	15.662	2179	2183	2197	rBV4	631249	2083842	1.29%	0.117%
31	15.985	2234	2238	2252	rVB	995159	2665586	1.65%	0.150%
32	16.338	2287	2298	2314	rBV2	6243790	15789566	9.80%	0.888%
33	16.737	2358	2366	2370	rBV2	28795735	75680328	46.98%	4.256%
34	16.802	2370	2377	2380	rVV2	47206872	117109891	72.70%	6.585%

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35	16.849	2380	2385	2398	rVB	41025519	75173355	46.66%	4.227%
36	17.049	2416	2419	2422	rBV	1073962	1715560	1.06%	0.096%
37	17.178	2437	2441	2449	rBV	2022173	4908080	3.05%	0.276%
38	17.460	2485	2489	2499	rVB3	1657110	3163972	1.96%	0.178%
39	17.577	2504	2509	2518	rVB	1930948	3297321	2.05%	0.185%
40	18.171	2606	2610	2622	rVB3	936293	2264952	1.41%	0.127%
41	18.464	2654	2660	2661	rBV	1650419	2301729	1.43%	0.129%
42	18.682	2692	2697	2701	rBV2	1014335	1694857	1.05%	0.095%
43	18.876	2723	2730	2734	rBV	30533919	43865583	27.23%	2.467%
44	19.128	2771	2773	2779	rVB4	1668531	2749985	1.71%	0.155%
45	19.222	2779	2789	2791	rBV5	10409996	25955828	16.11%	1.460%
46	19.281	2795	2799	2801	rBV	9229263	10127388	6.29%	0.569%
47	19.310	2801	2804	2807	rBV3	4739482	6610128	4.10%	0.372%
48	19.375	2812	2815	2822	rVV6	16988073	40936897	25.41%	2.302%
49	19.434	2822	2825	2829	rVV	10522731	14209141	8.82%	0.799%
50	19.498	2829	2836	2840	rVV5	11648159	26982355	16.75%	1.517%
51	19.557	2841	2846	2850	rVV3	17157530	39966264	24.81%	2.247%
52	19.616	2854	2856	2860	rVB	6563267	7310685	4.54%	0.411%
53	19.663	2860	2864	2867	rBV	15461360	21033647	13.06%	1.183%
54	19.722	2867	2874	2879	rVV3	54978301	161092225	100.00%	9.059%
55	19.786	2883	2885	2888	rVV	31028634	31534497	19.58%	1.773%
56	19.827	2888	2892	2894	rVV	21346414	29811509	18.51%	1.676%
57	19.851	2894	2896	2900	rVV3	10677197	15447121	9.59%	0.869%
58	19.915	2903	2907	2916	rVB	19143073	25173231	15.63%	1.416%
59	20.062	2927	2932	2934	rBV	30550484	42534991	26.40%	2.392%
60	20.098	2934	2938	2942	rVV2	46604767	82106334	50.97%	4.617%
61	20.139	2942	2945	2950	rVV4	3616402	7067673	4.39%	0.397%
62	20.197	2950	2955	2958	rVV	12030182	18850511	11.70%	1.060%
63	20.238	2958	2962	2966	rVV	18611682	24168506	15.00%	1.359%
64	20.280	2966	2969	2972	rVB	4413838	5091654	3.16%	0.286%
65	20.332	2972	2978	2983	rBV4	8600548	19104702	11.86%	1.074%
66	20.374	2983	2985	2992	rVB	8432601	11682133	7.25%	0.657%
67	20.444	2992	2997	3001	rBV2	4883037	7373985	4.58%	0.415%
68	20.644	3022	3031	3034	rBV	52456395	111814901	69.41%	6.288%
69	20.673	3034	3036	3043	rVB	8954797	9279851	5.76%	0.522%
70	20.767	3043	3052	3055	rBV	13619283	19924982	12.37%	1.120%
71	20.814	3055	3060	3062	rBV2	3698731	5091486	3.16%	0.286%

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72	20.879	3067	3071	3075	rVB	4600612	5332167	3.31%	0.300%
73	20.979	3077	3088	3101	rVB2	8463753	20989351	13.03%	1.180%
74	21.084	3102	3106	3111	rBV2	3292114	4105928	2.55%	0.231%
75	21.178	3112	3122	3126	rBV	49830592	106688181	66.23%	5.999%
76	21.302	3138	3143	3147	rBV	10594530	13937400	8.65%	0.784%
77	21.343	3147	3150	3160	rVB2	1386666	2097444	1.30%	0.118%
78	21.507	3173	3178	3184	rVV2	2785187	4318782	2.68%	0.243%
79	21.748	3208	3219	3224	rBV	46312070	101496094	63.00%	5.707%
80	21.795	3224	3227	3239	rVB3	794937	1654337	1.03%	0.093%
81	21.907	3240	3246	3252	rVB2	1850952	3400971	2.11%	0.191%
82	22.189	3288	3294	3302	rVB2	1884599	3110548	1.93%	0.175%
83	22.283	3303	3310	3314	rBV4	649191	1858070	1.15%	0.104%
84	22.342	3315	3320	3325	rVB	1657168	2945796	1.83%	0.166%
85	22.723	3379	3385	3397	rVB2	5776119	10528370	6.54%	0.592%
86	23.834	3565	3574	3577	rBV	688470	1862914	1.16%	0.105%
87	24.398	3661	3670	3702	rBV2	3466792	13904663	8.63%	0.782%
88	25.302	3814	3824	3839	rVB2	1107453	3361556	2.09%	0.189%

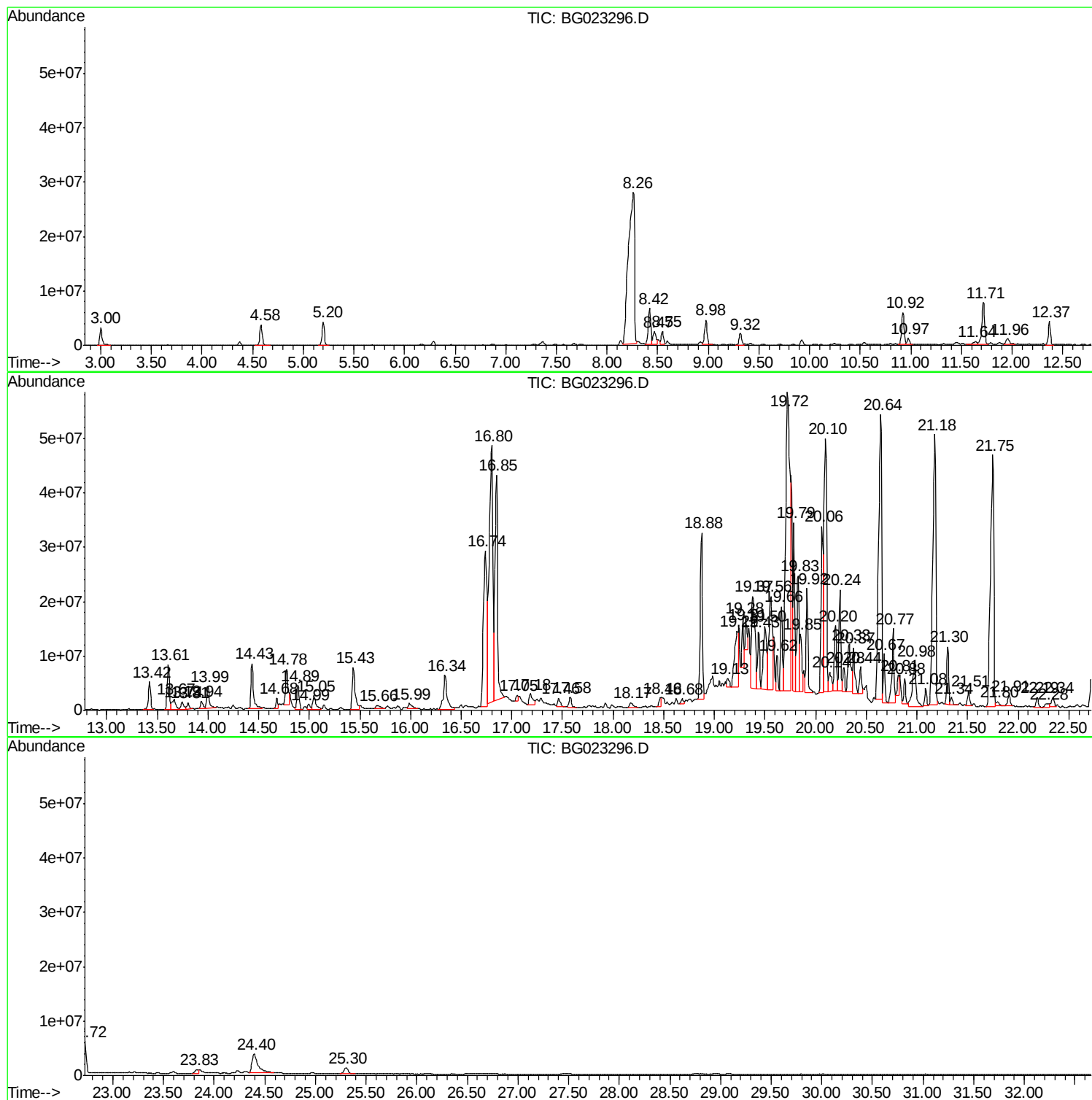
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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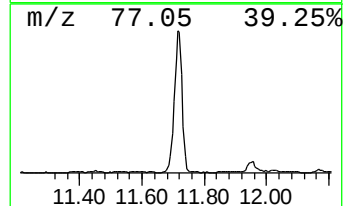
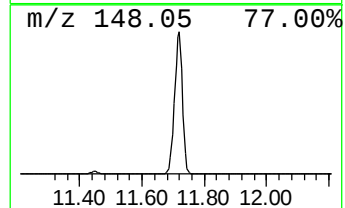
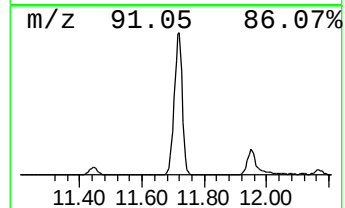
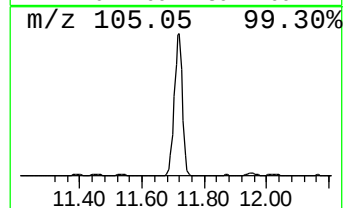
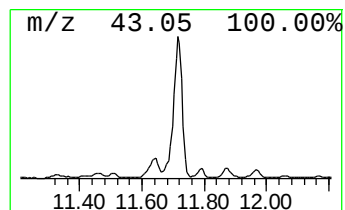
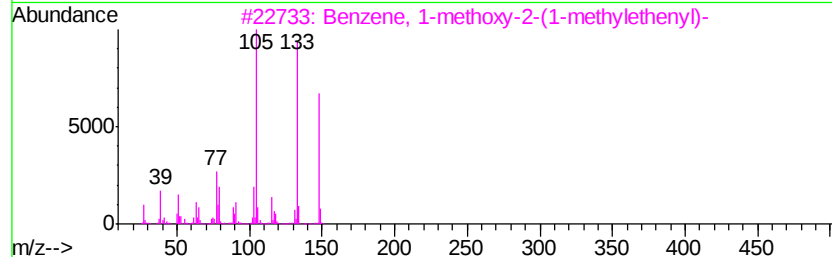
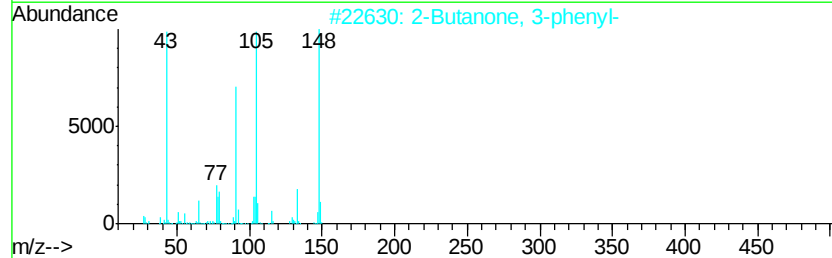
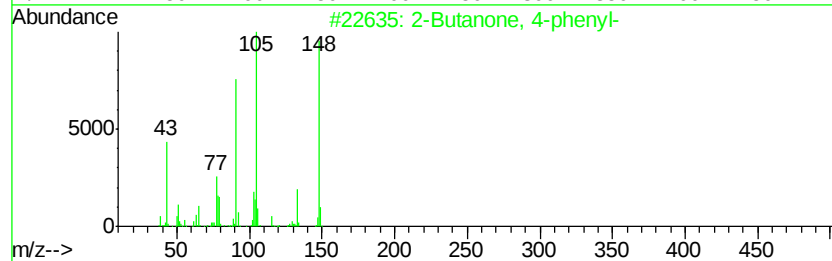
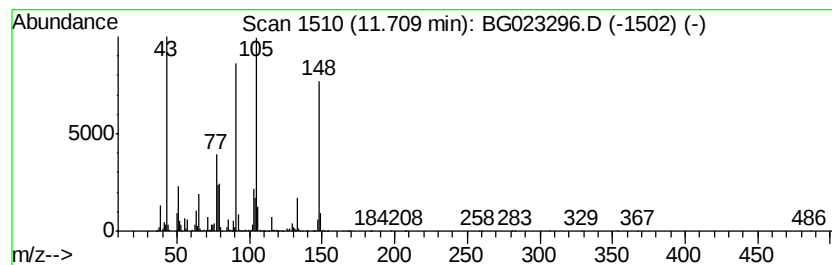
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Butanone, 4-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	152.67 ng	15093400	Naphthalene-d8	10.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	97
2		2-Butanone, 3-phenyl-	148	C10H12O	000769-59-5	87
3		Benzene, 1-methoxy-2-(1-methylethyl)-	148	C10H12O	010278-02-1	72
4		3-Buten-2-ol, 4-phenyl-	148	C10H12O	017488-65-2	64
5		Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	64



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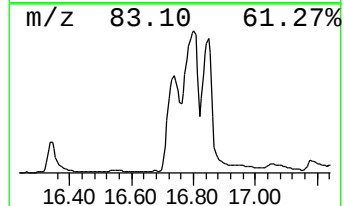
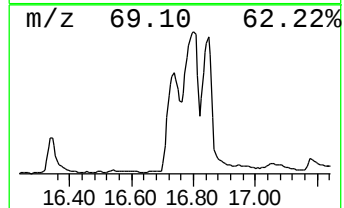
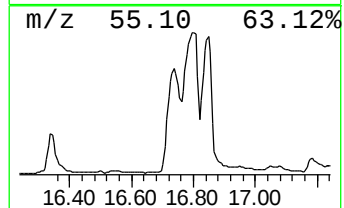
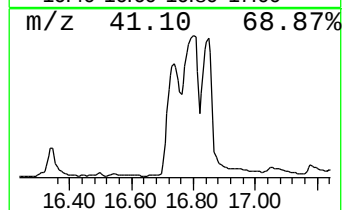
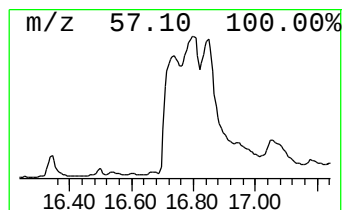
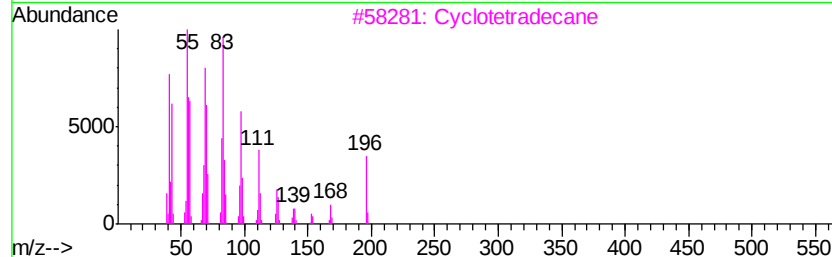
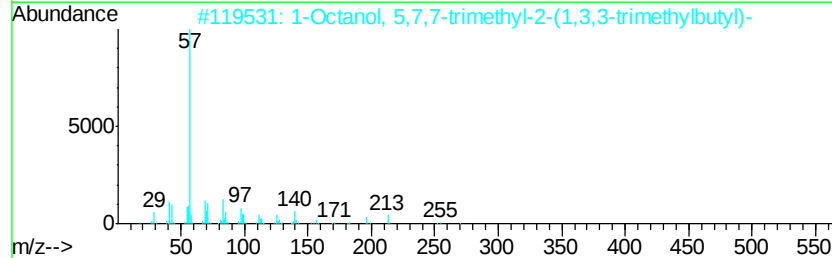
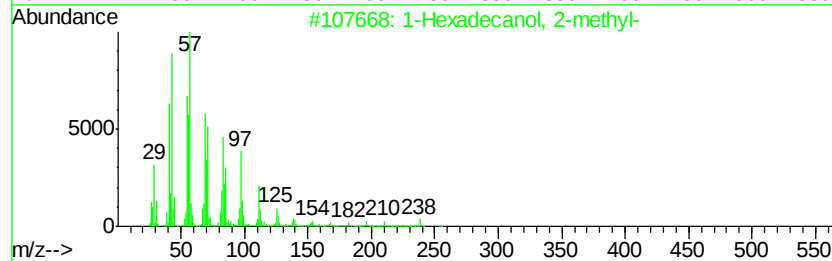
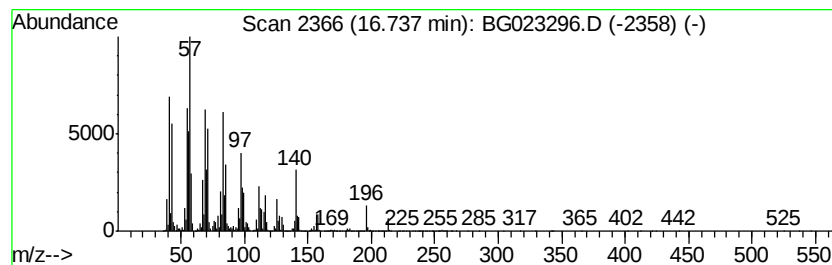
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG072616.M
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 2 1-Hexadecanol, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	459.04 ng	75680300	Phenanthrene-d10	17.58

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	90
2			1-Octanol, 5,7,7-trimethyl-2-(1,...	270	C18H38O	036400-98-3	90
3			Cyclotetradecane	196	C14H28	000295-17-0	83
4			1-Tetradecene	196	C14H28	001120-36-1	68
5			Titanium tetrachloride	188	Cl4Ti	007550-45-0	53



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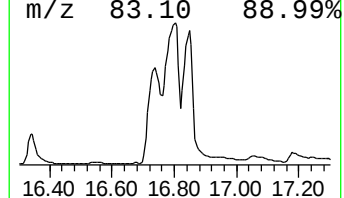
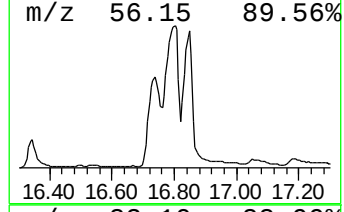
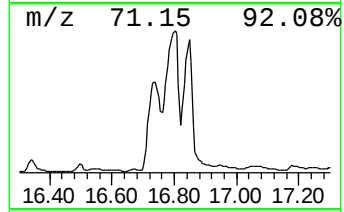
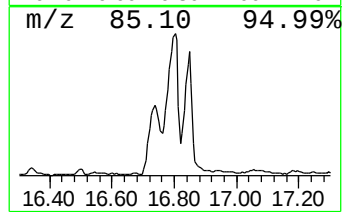
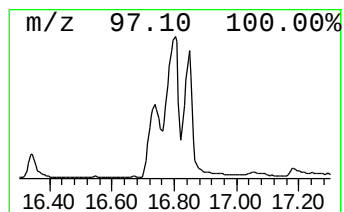
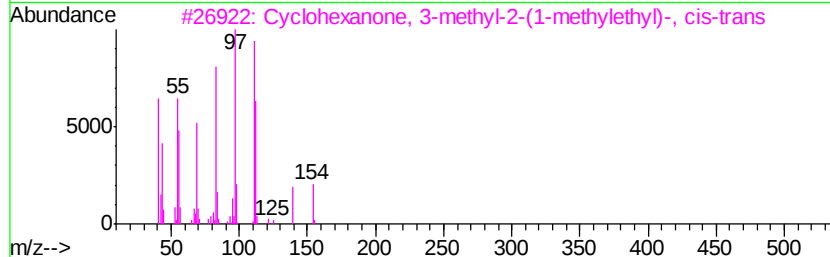
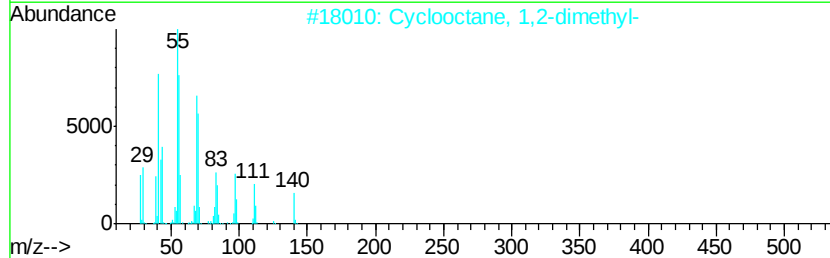
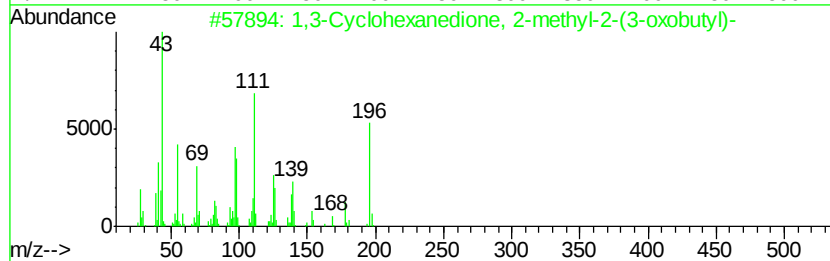
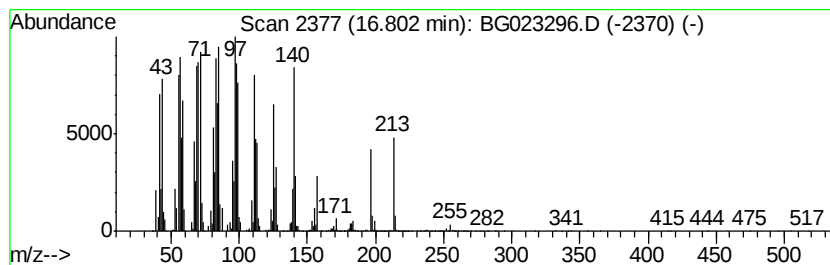
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown16.80 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	710.33 ng	117110000	Phenanthrene-d10	17.58

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexanedione, 2-methyl-2...	196	C11H16O3	005073-65-4	27		
2	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	27		
3	Cyclohexanone, 3-methyl-2-(1-met...	154	C10H18O	028357-23-5	25		
4	Cyclodecane	140	C10H20	000293-96-9	25		
5	5-Tetradecene, (Z)-	196	C14H28	041446-62-2	20		



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EFF-WW

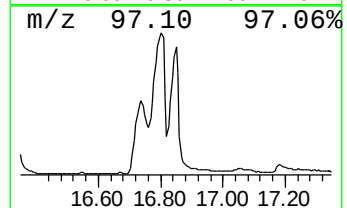
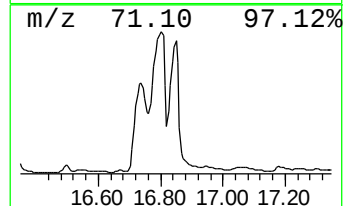
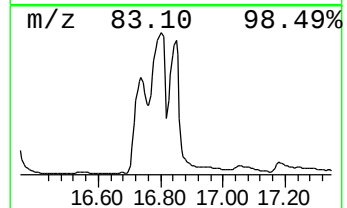
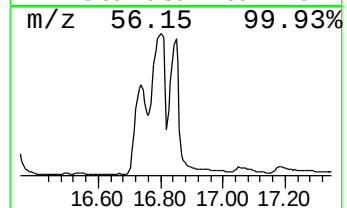
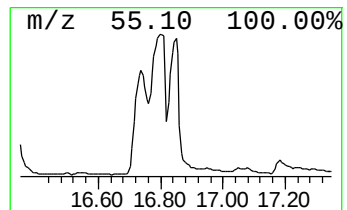
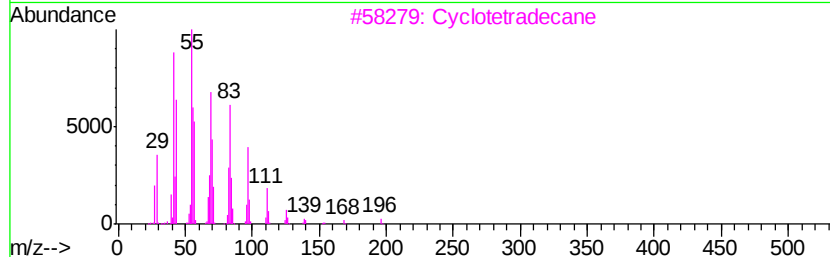
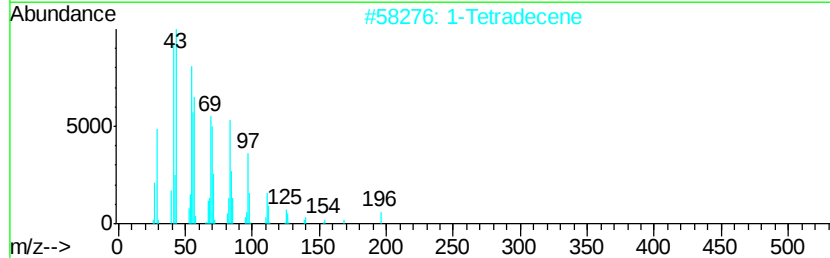
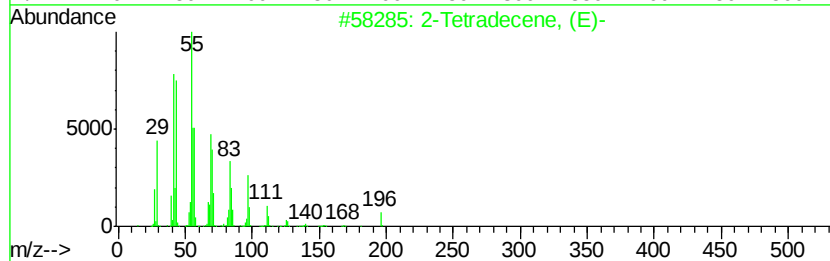
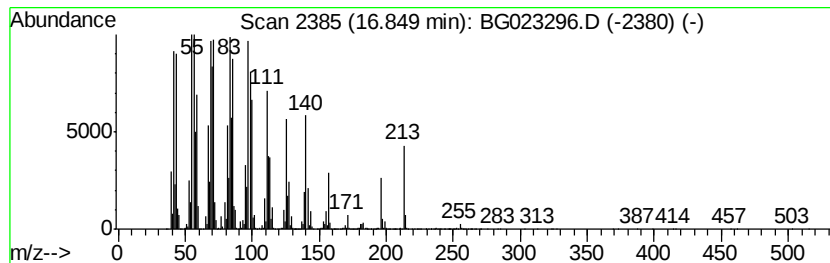
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown16.85 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	455.97 ng	75173400	Phenanthrene-d10	17.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Tetradecene, (E)-	196	C14H28	035953-54-9	46
2		1-Tetradecene	196	C14H28	001120-36-1	46
3		Cyclotetradecane	196	C14H28	000295-17-0	42
4		Formic acid, dec-2-yl ester	186	C11H22O2	1000367-89-5	41
5		5-Tetradecene, (E)-	196	C14H28	041446-66-6	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFF-WW

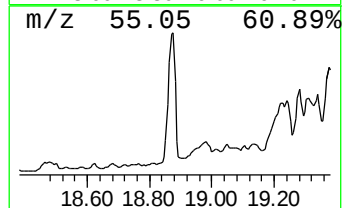
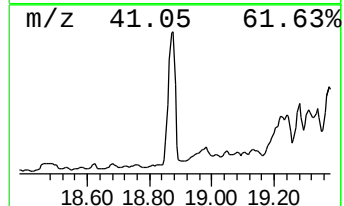
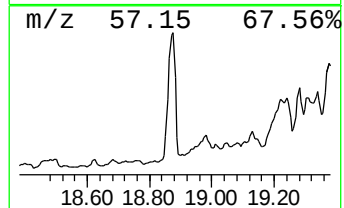
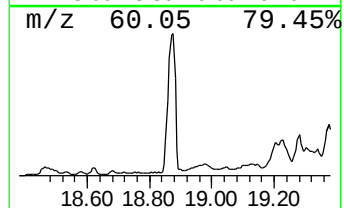
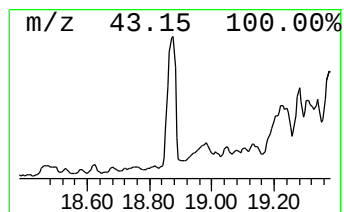
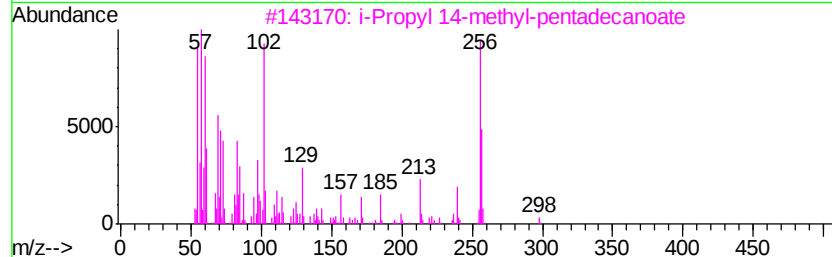
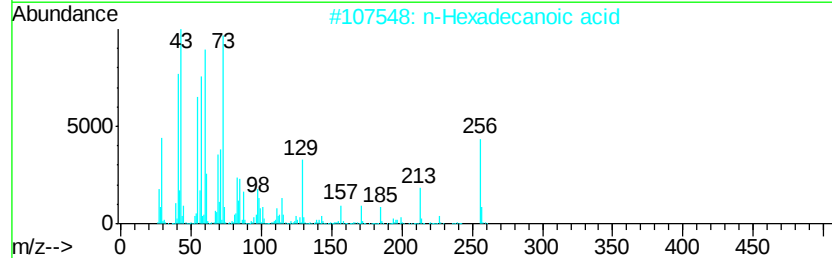
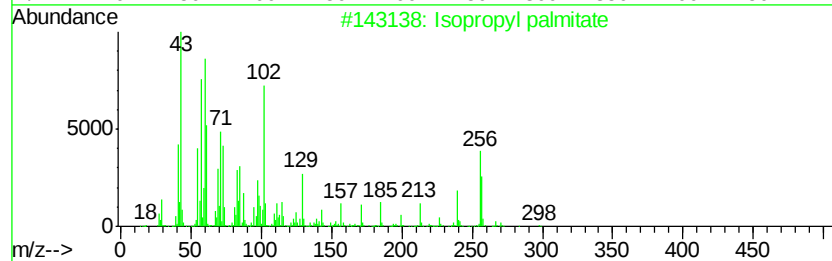
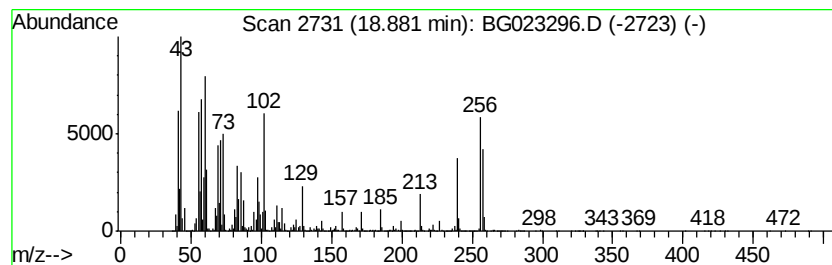
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Isopropyl palmitate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	266.07 ng	43865600	Phenanthrene-d10	17.58

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Isopropyl palmitate	298	C19H38O2	000142-91-6	96
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
3		i-Propyl 14-methyl-pentadecanoate	298	C19H38O2	1000336-62-4	68
4		Butanoic acid, 3-methyl-, 1-meth...	144	C8H16O2	032665-23-9	22
5		Tridecanoic acid	214	C13H26O2	000638-53-9	18



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
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Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

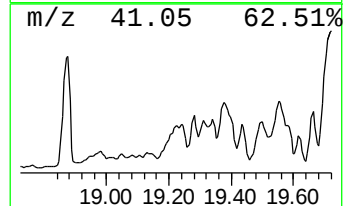
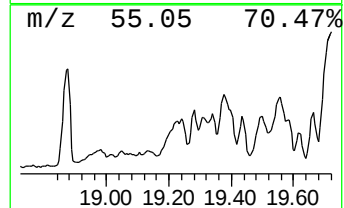
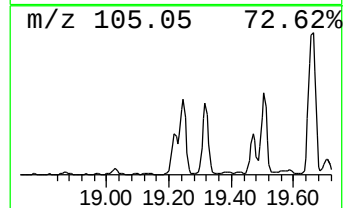
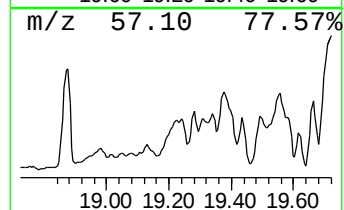
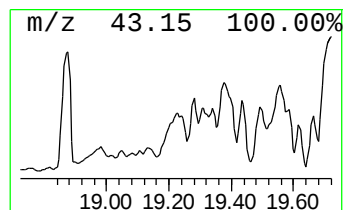
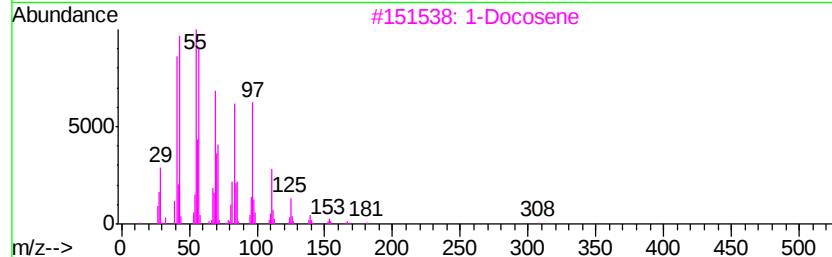
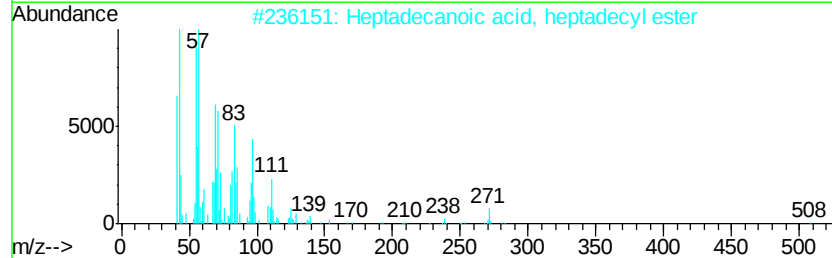
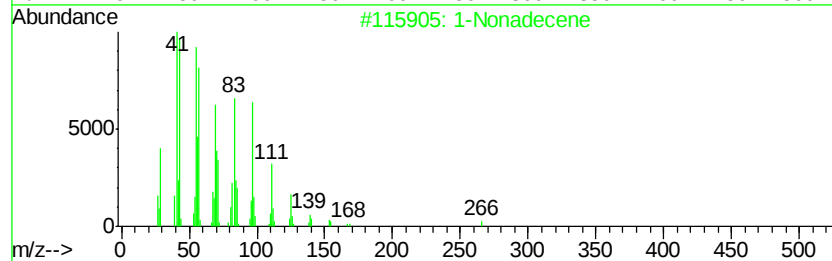
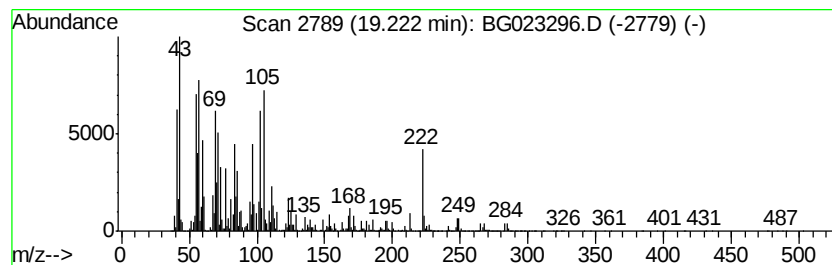
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1-Nonadecene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	157.44 ng	25955800	Phenanthrene-d10	17.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Nonadecene		266 C19H38	018435-45-5 89
2	Heptadecanoic acid, heptadecyl e...		509 C34H68O2	036617-50-2 52
3	1-Docosene		308 C22H44	001599-67-3 50
4	Heptadecyl heptafluorobutyrate		452 C21H35F7O2	959085-66-6 46
5	1-Hexadecanol, 2-methyl-		256 C17H36O	002490-48-4 46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

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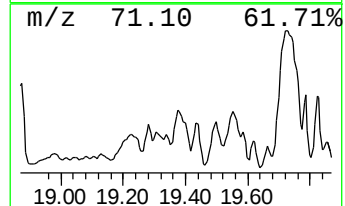
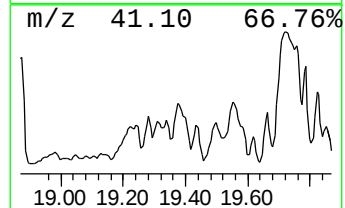
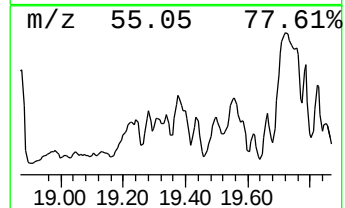
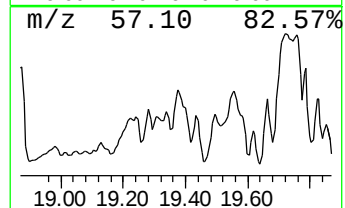
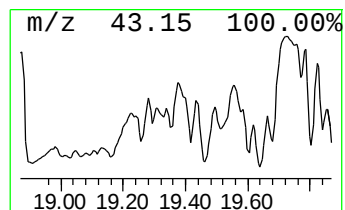
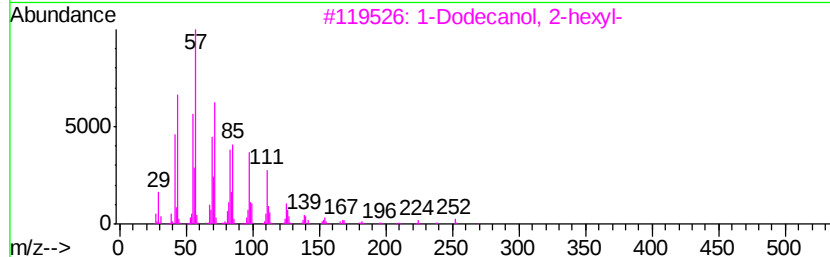
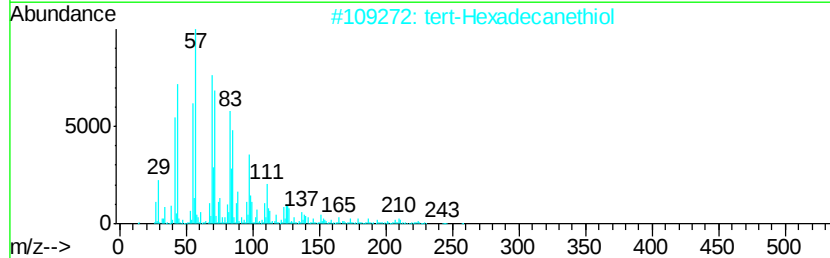
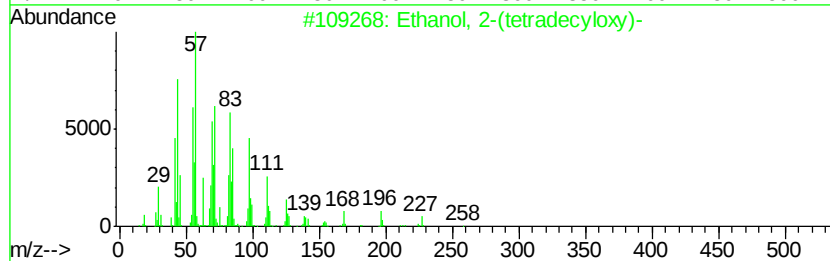
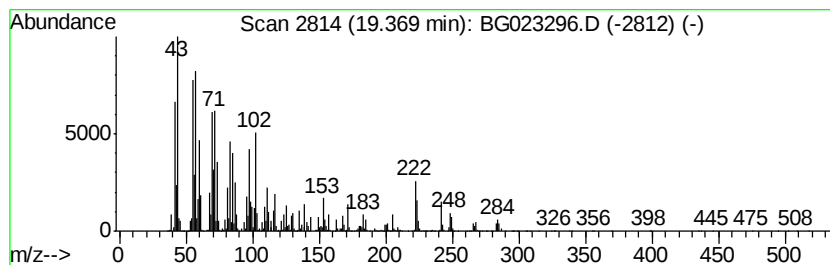
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown19.37 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	248.30 ng	40936900	Phenanthrene-d10	17.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	38
2		tert-Hexadecanethiol	258	C16H34S	025360-09-2	35
3		1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	30
4		1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	30
5		Heneicosane, 11-cyclopentyl-	364	C26H52	006703-81-7	30



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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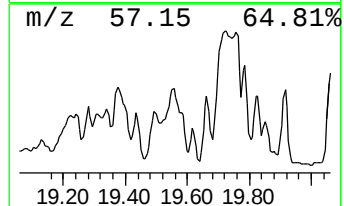
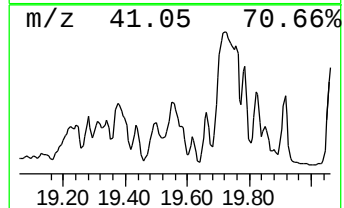
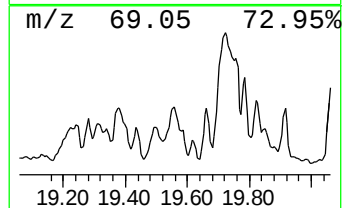
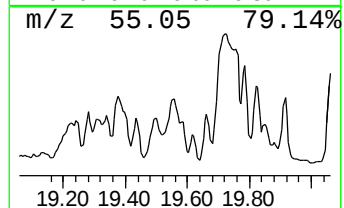
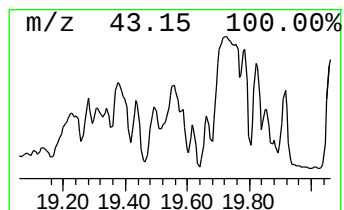
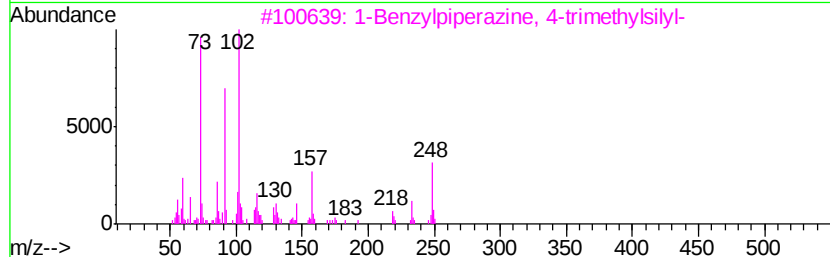
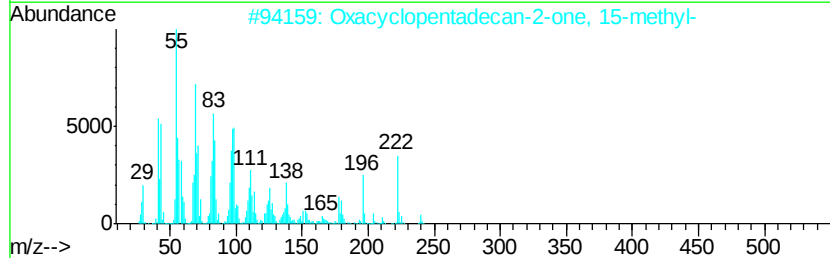
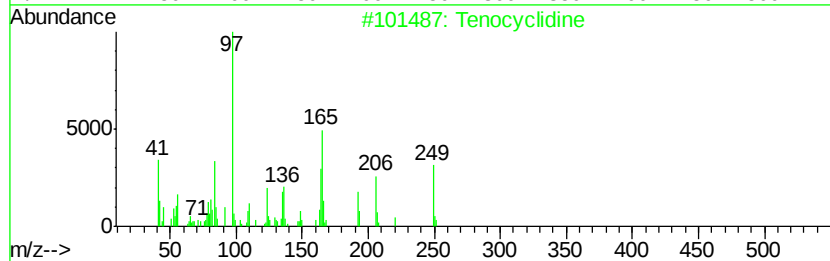
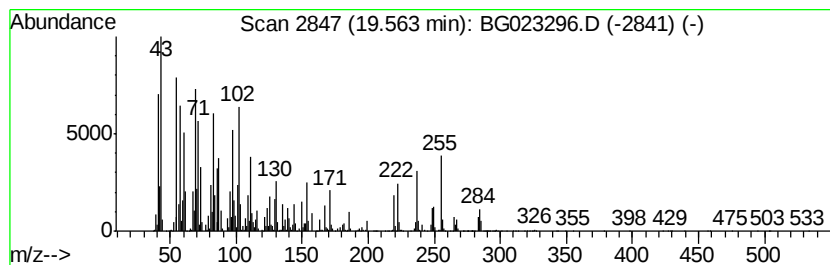
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown19.56 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.56	242.42 ng	39966300	Phenanthrene-d10	17.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tenocyclidine	249	C15H23NS	021500-98-1	15
2		Oxacyclopentadecan-2-one, 15-met...	240	C15H28O2	032539-85-8	14
3		1-Benzylpiperazine, 4-trimethyls...	248	C14H24N2Si	1000373-99-2	10
4		Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	10
5		1,2-Dodecanediol	202	C12H26O2	001119-87-5	10



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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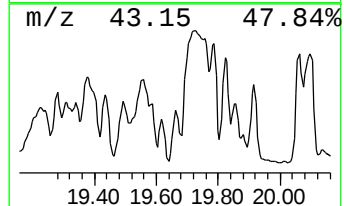
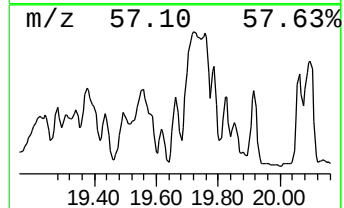
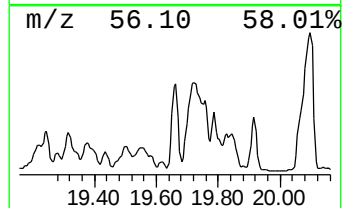
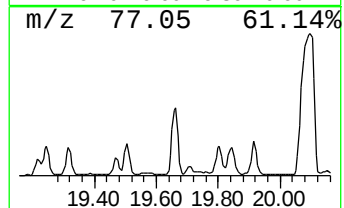
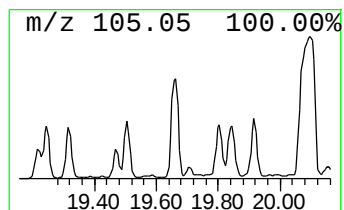
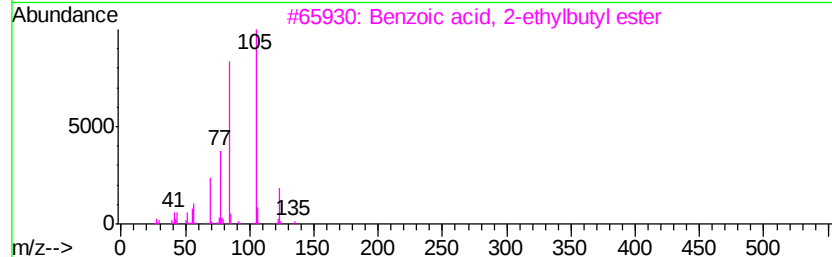
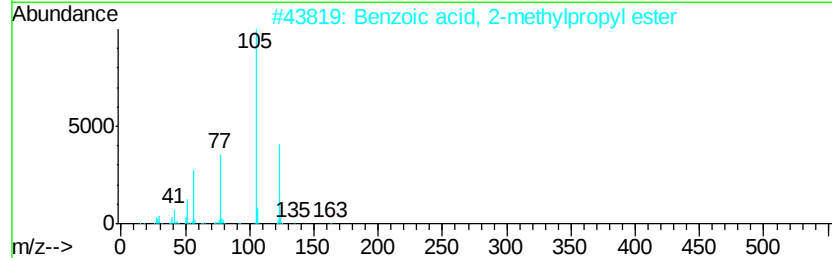
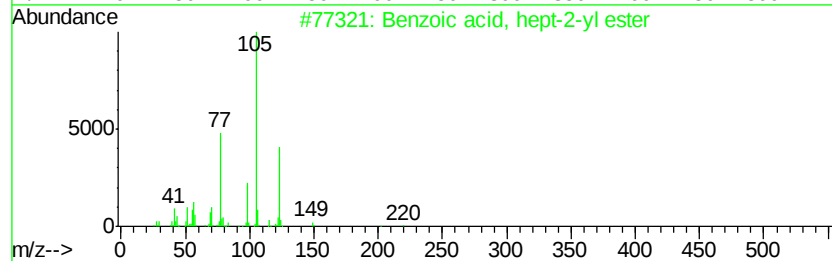
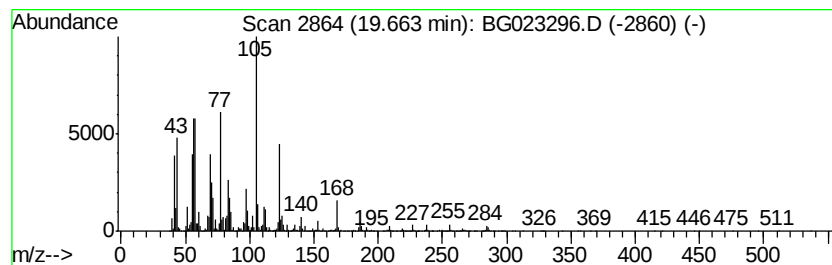
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzoic acid, hept-2-yl ester Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	127.58 ng	21033600	Phenanthrene-d10	17.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, hept-2-yl ester	220	C14H20O2	1000368-69-4	60
2		Benzoic acid, 2-methylpropyl ester	178	C11H14O2	000120-50-3	53
3		Benzoic acid, 2-ethylbutyl ester	206	C13H18O2	1000367-92-4	35
4		Carbonic acid, decyl methyl ester	216	C12H24O3	1000314-62-2	30
5		2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
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ALS Vial : 14 Sample Multiplier: 1

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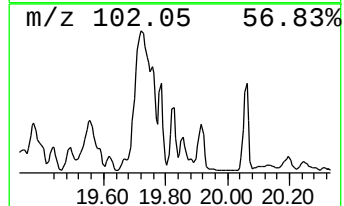
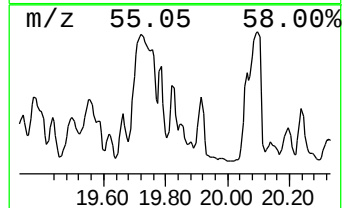
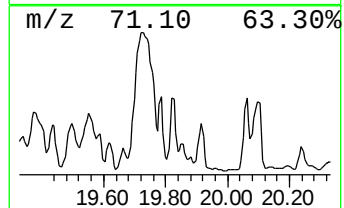
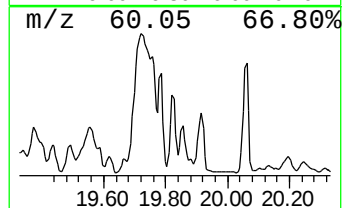
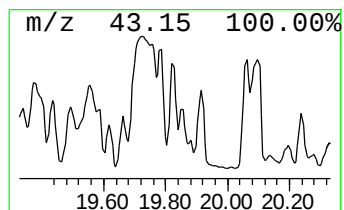
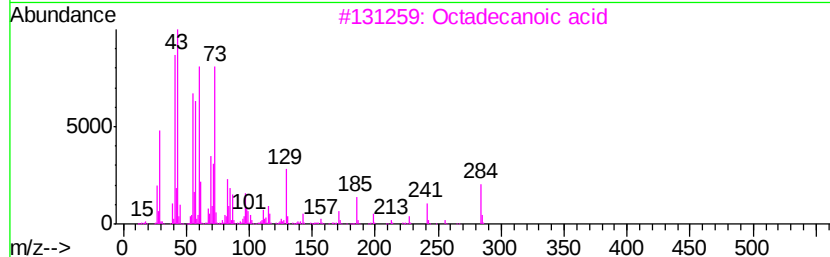
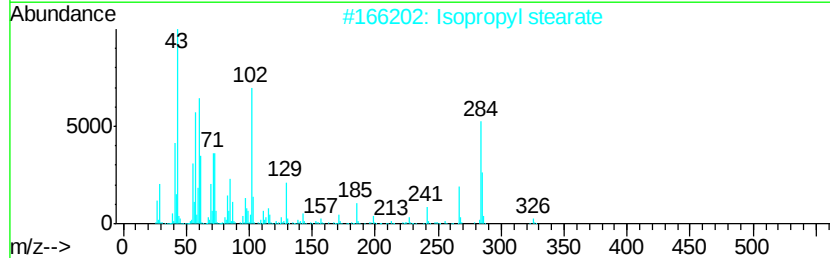
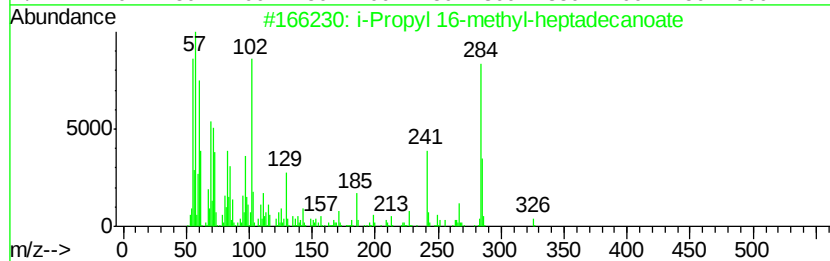
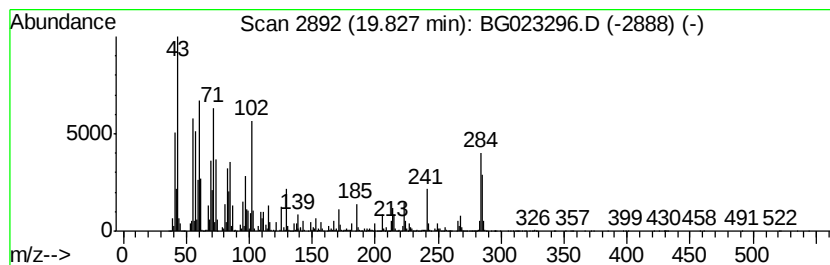
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 i-Propyl 16-methyl-heptadec... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	175.31 ng	29811500	Chrysene-d12	21.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	i-Propyl 16-methyl-heptadecanoate	326	C21H42O2	1000336-66-3	72
2		Isopropyl stearate	326	C21H42O2	000112-10-7	62
3		Octadecanoic acid	284	C18H36O2	000057-11-4	49
4		Isopropyl palmitate	298	C19H38O2	000142-91-6	38
5		Isopropyl myristate	270	C17H34O2	000110-27-0	30



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EFF-WW

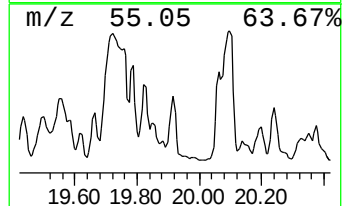
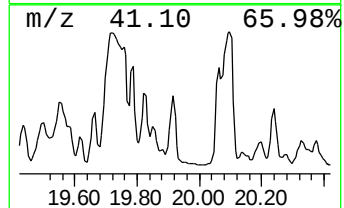
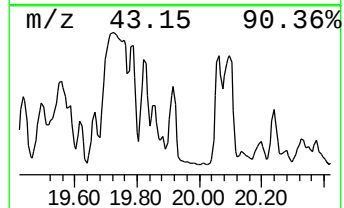
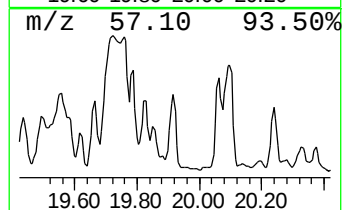
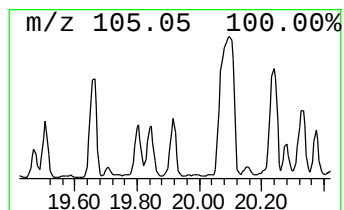
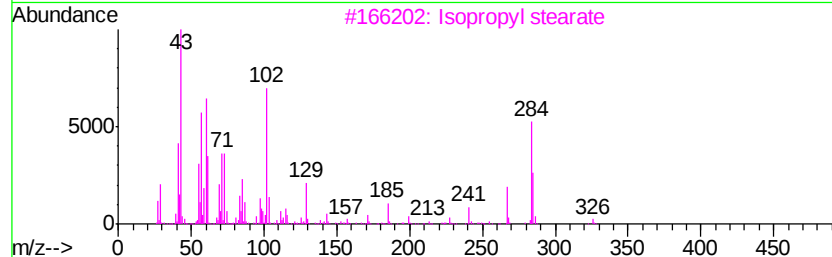
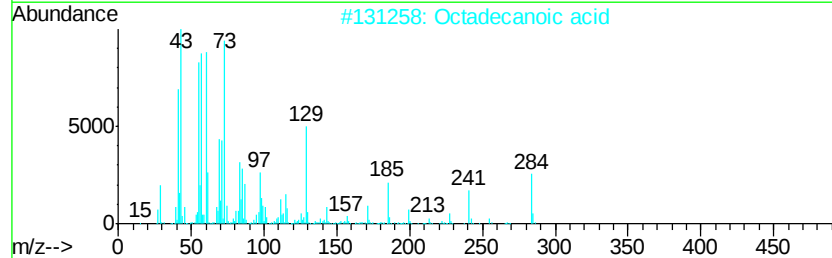
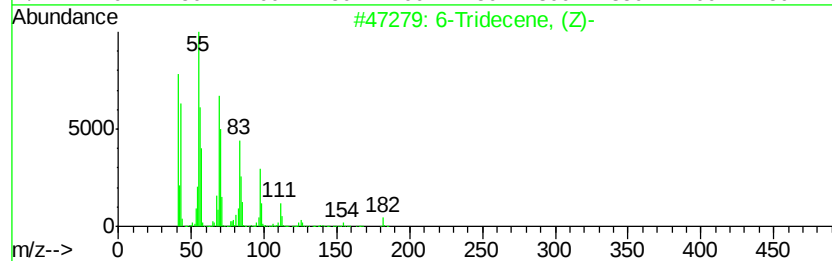
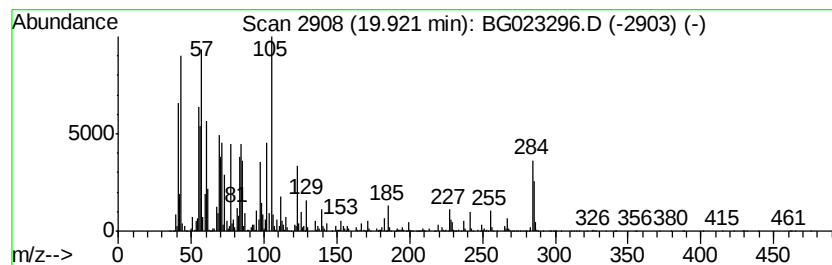
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown19.92 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	148.04 ng	25173200	Chrysene-d12	21.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Tridecene, (Z)-	182	C13H26	006508-77-6	44
2		Octadecanoic acid	284	C18H36O2	000057-11-4	30
3		Isopropyl stearate	326	C21H42O2	000112-10-7	30
4		Formic acid, decyl ester	186	C11H22O2	005451-52-5	25
5		Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	25



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
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Misc :
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Instrument :
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ClientSampleId :
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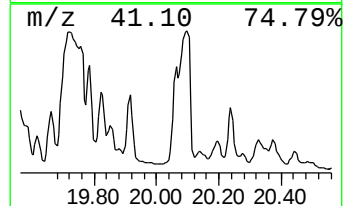
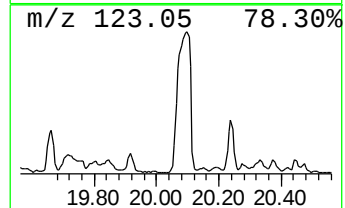
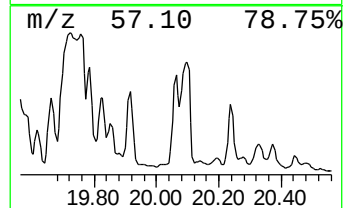
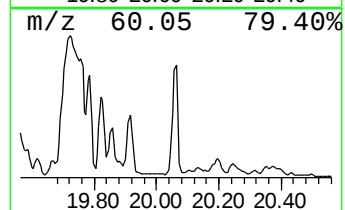
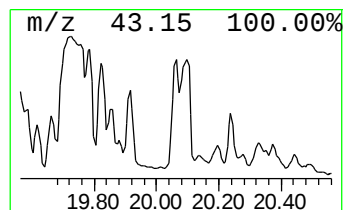
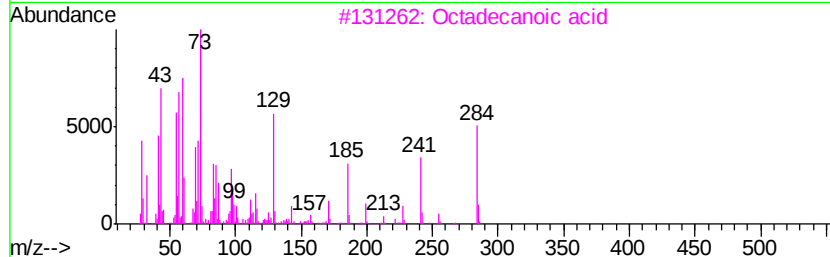
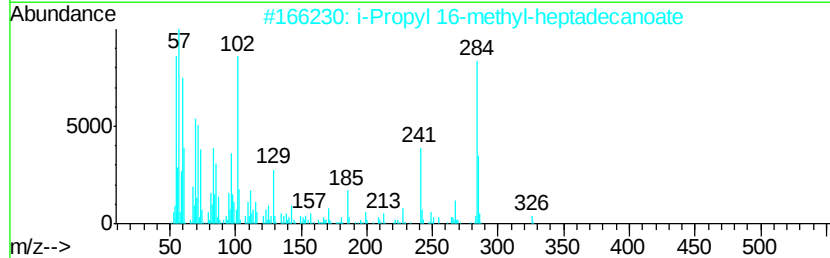
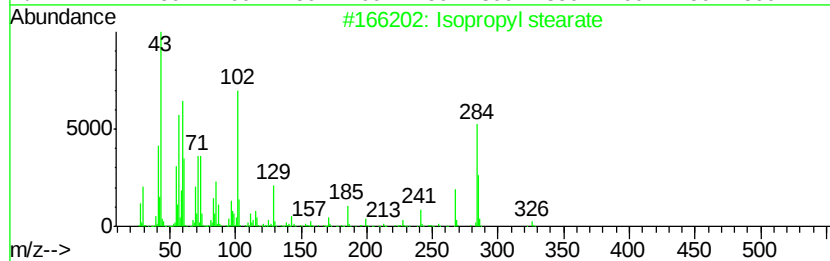
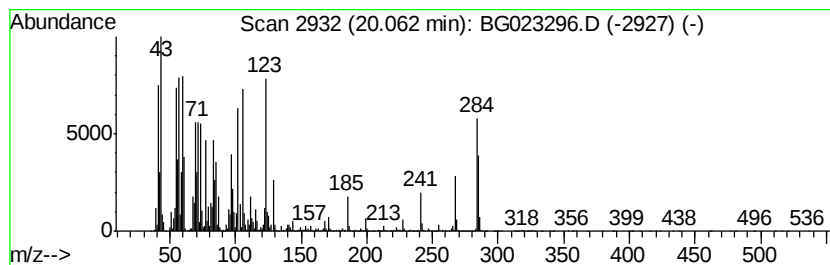
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 unknown20.06 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	250.13 ng	42535000	Chrysene-d12	21.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropyl stearate	326	C21H42O2	000112-10-7	49
2		i-Propyl 16-methyl-heptadecanoate	326	C21H42O2	1000336-66-3	49
3		Octadecanoic acid	284	C18H36O2	000057-11-4	46
4		Isopropyl palmitate	298	C19H38O2	000142-91-6	35
5		Lauryl acetate	228	C14H28O2	000112-66-3	15



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFF-WW

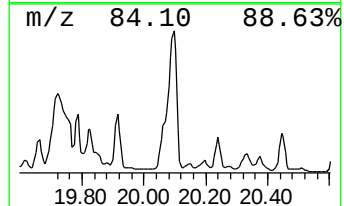
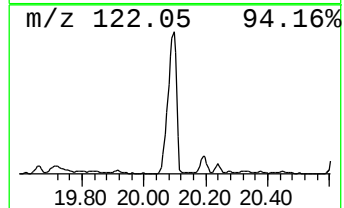
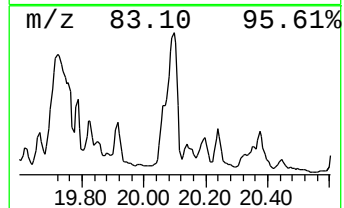
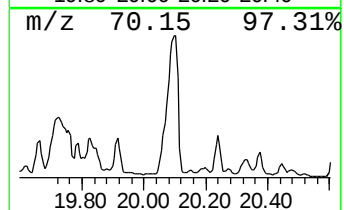
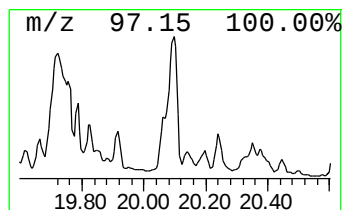
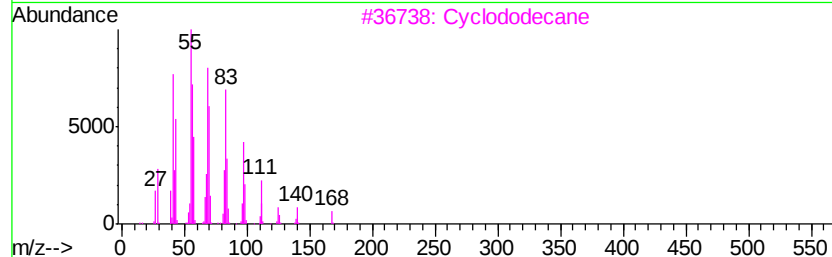
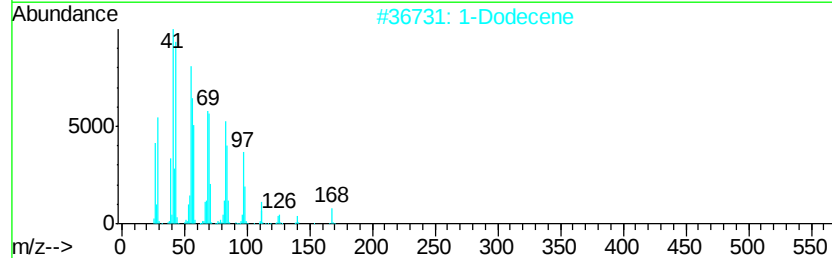
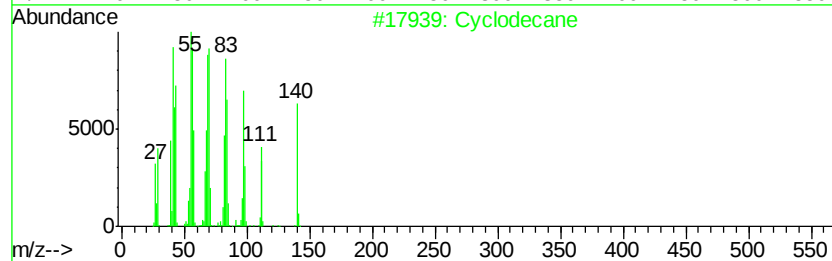
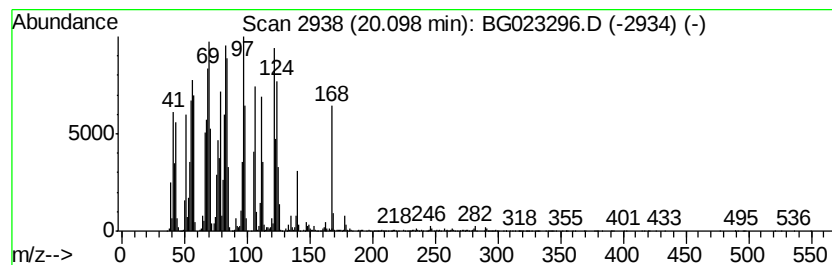
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Cyclodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	482.84 ng	82106300	Chrysene-d12	21.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclodecane	140	C10H20	000293-96-9	86
2		1-Dodecene	168	C12H24	000112-41-4	64
3		Cyclododecane	168	C12H24	000294-62-2	50
4		Bicyclo[2.2.2]octanone, 4-methox...	168	C10H16O2	003907-11-7	42
5		1-Undecene, 2-methyl-	168	C12H24	018516-37-5	38



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EFF-WW

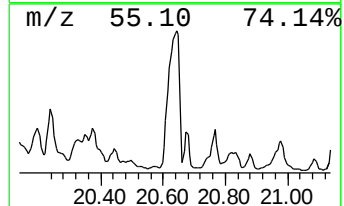
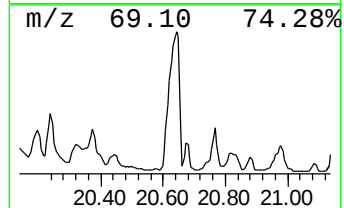
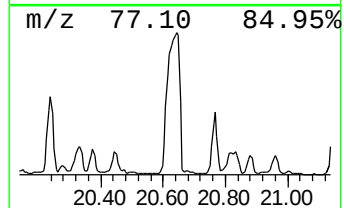
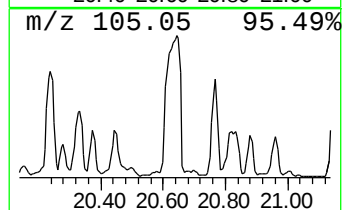
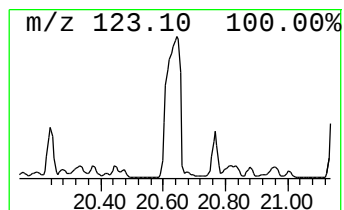
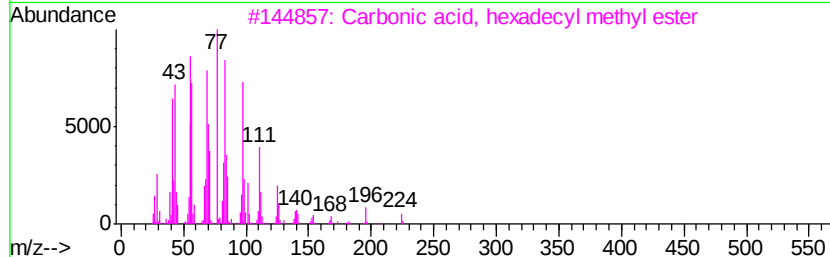
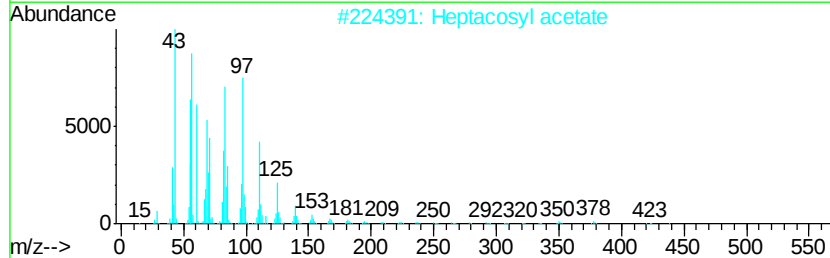
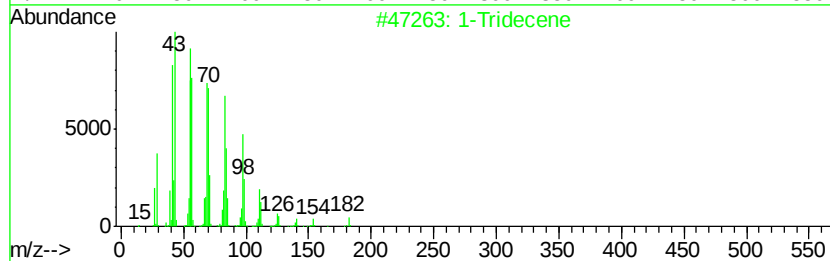
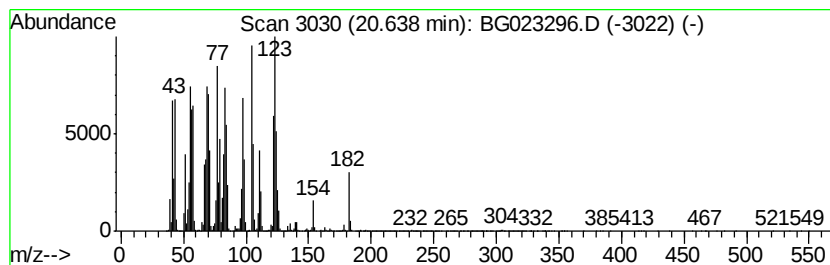
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1-Tridecene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	657.55 ng	111815000	Chrysene-d12	21.91

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Tridecene	182	C13H26	002437-56-1	95
2			Heptacosyl acetate	438	C29H58O2	1000351-78-2	50
3			Carbonic acid, hexadecyl methyl ...	300	C18H36O3	1000314-62-7	43
4			3-Heptafluorobutyltroxytridecane	396	C17H27F7O2	1000245-49-5	41
5			1-Nonadecene	266	C19H38	018435-45-5	30



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
Operator : UM/SJ
Sample : H4175-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EFF-WW

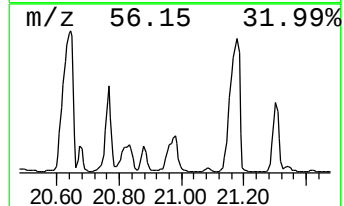
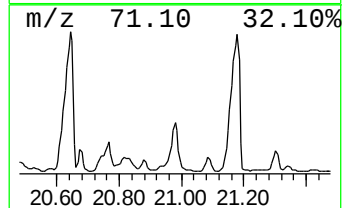
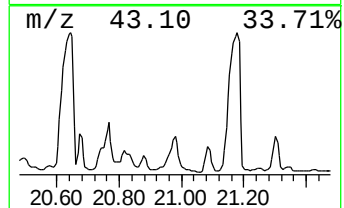
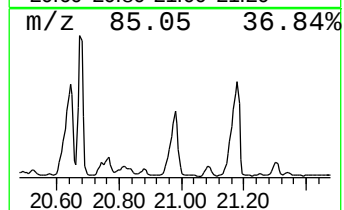
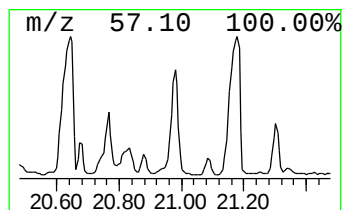
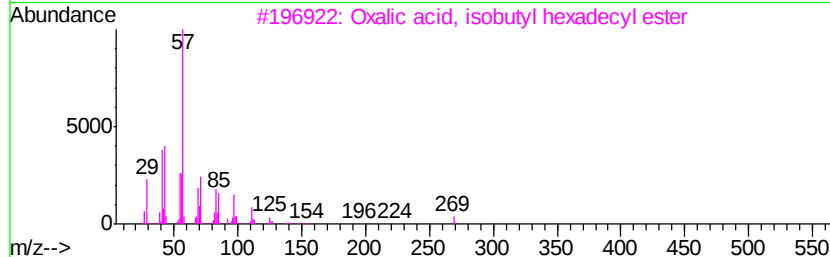
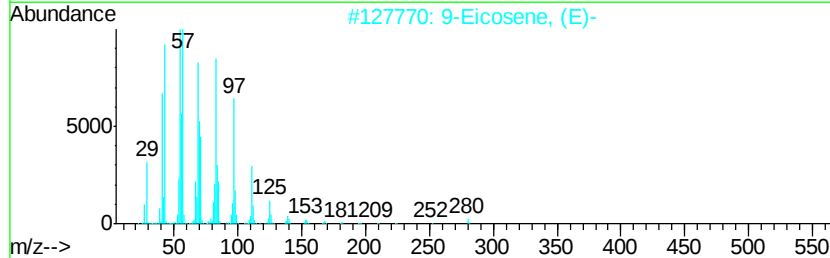
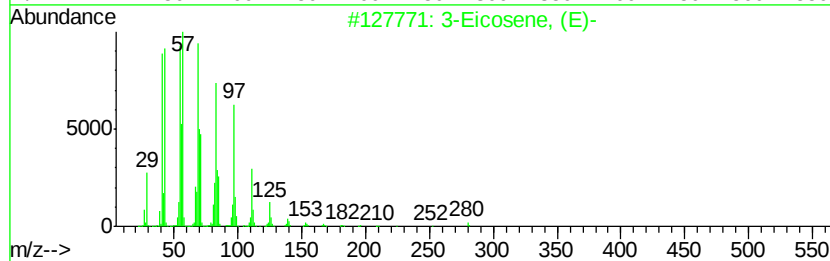
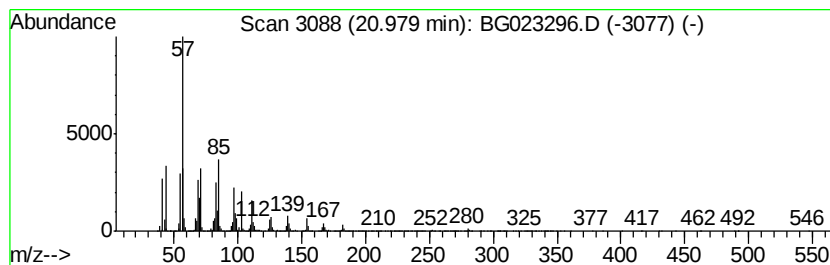
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 3-Eicosene, (E)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	123.43 ng	20989400	Chrysene-d12	21.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
2		9-Eicosene, (E)-	280	C20H40	074685-29-3	87
3		Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	74
4		2-Octyldodecyl propionate	354	C23H46O2	1000368-55-1	74
5		Isobutyl tridecyl carbonate	300	C18H36O3	959275-44-6	72



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
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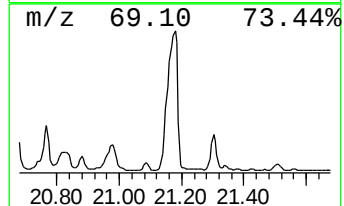
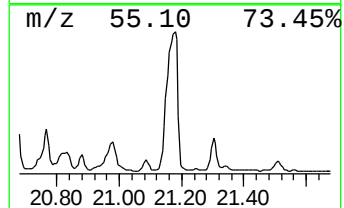
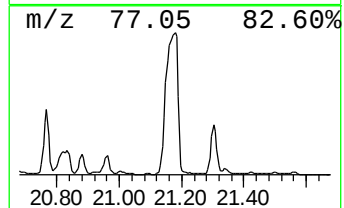
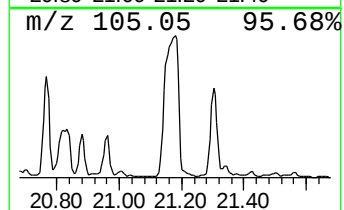
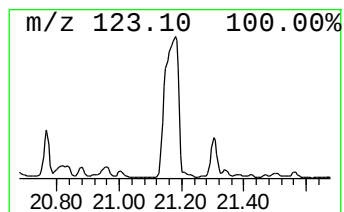
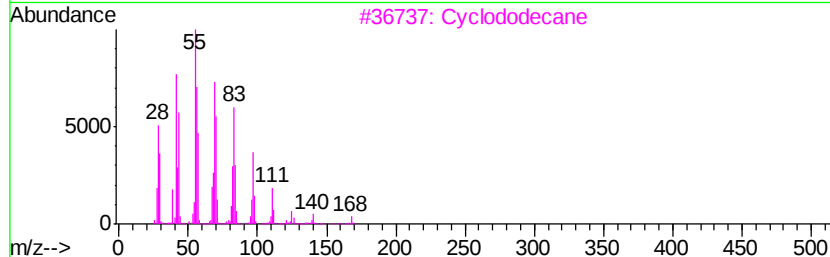
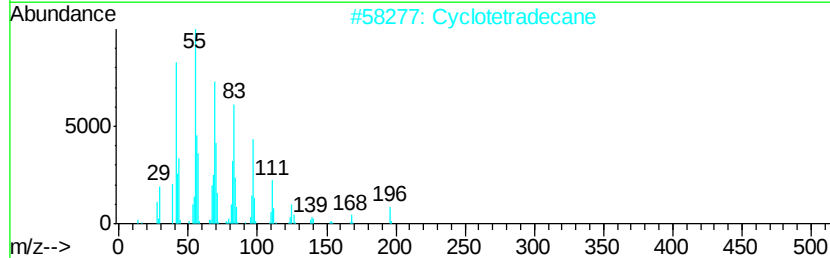
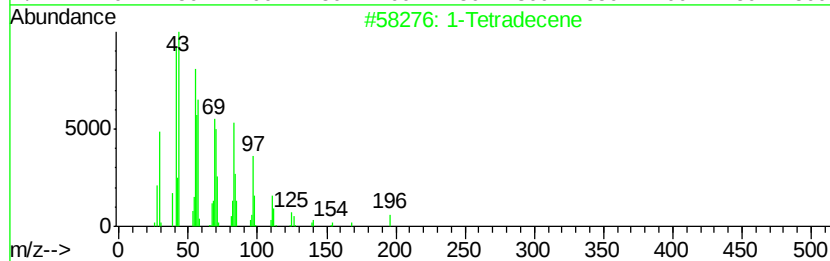
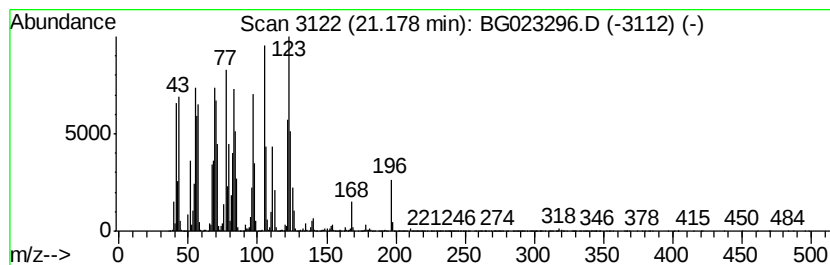
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1-Tetradecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	627.40 ng	106688000	Chrysene-d12	21.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Tetradecene	196 C14H28	001120-36-1 93
2		Cyclotetradecane	196 C14H28	000295-17-0 83
3		Cyclododecane	168 C12H24	000294-62-2 80
4		Cyclodecane, methyl-	154 C11H22	013151-43-4 55
5		Benzoic acid, tetradecyl ester	318 C21H34O2	1000340-22-7 55



Data Path : Z:\HPCHEM1\BNA G\DATA\BG072716\
Data File : BG023296.D
Acq On : 27 Jul 2016 23:41
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ALS Vial : 14 Sample Multiplier: 1

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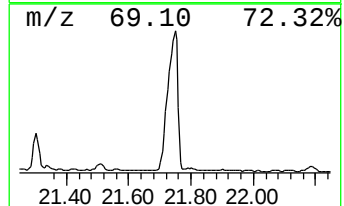
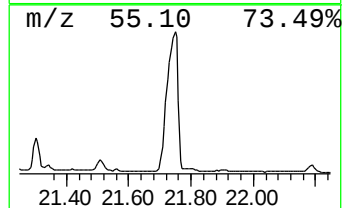
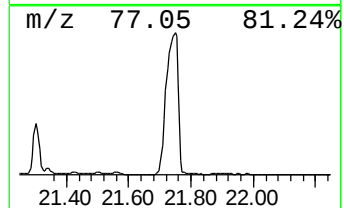
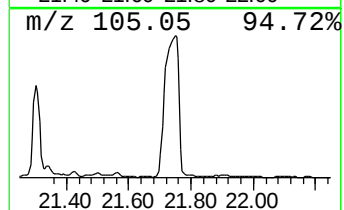
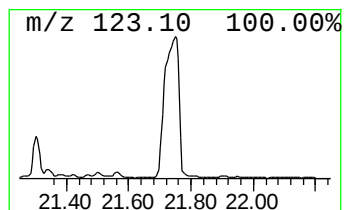
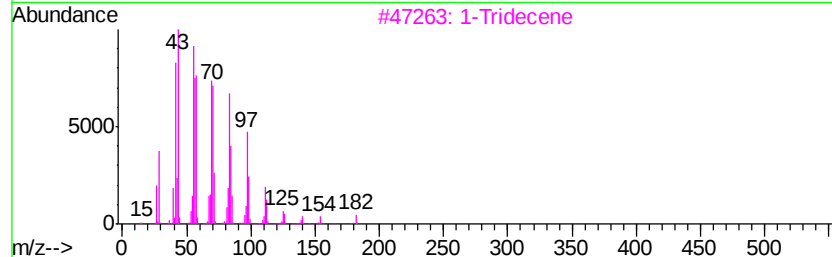
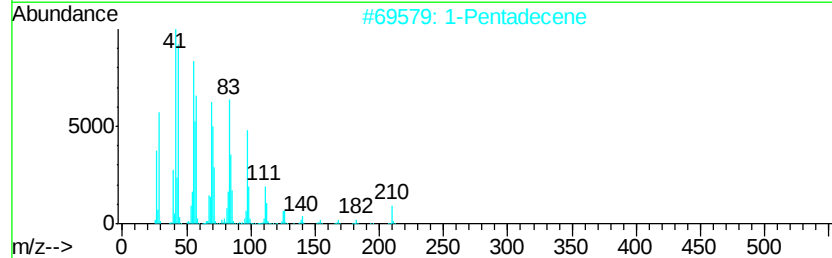
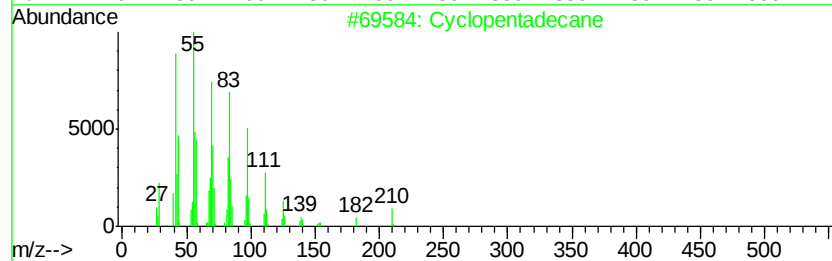
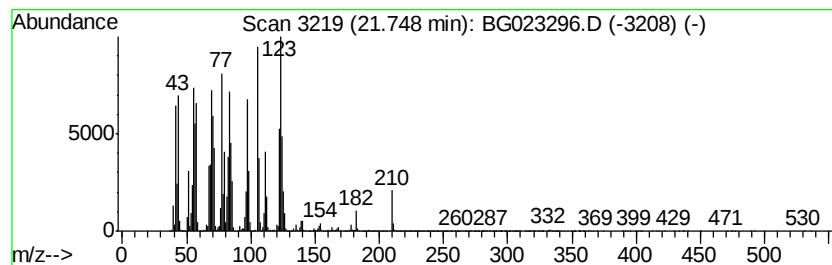
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Cyclopentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	596.87 ng	101496000	Chrysene-d12	21.91

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentadecane	210	C15H30	000295-48-7	60
2		1-Pentadecene	210	C15H30	013360-61-7	58
3		1-Tridecene	182	C13H26	002437-56-1	53
4		Benzoic acid, pentadecyl ester	332	C22H36O2	1000340-22-8	50
5		10-Heneicosene (c,t)	294	C21H42	095008-11-0	46



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072716\
 Data File : BG023296.D
 Acq On : 27 Jul 2016 23:41
 Operator : UM/SJ
 Sample : H4175-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EFF-WW

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Butanone, 4-phe...	11.71	152.7	ng	15093400	2	10.97	1977210	20.0
1-Hexadecanol, 2-...	16.74	459.0	ng	75680300	4	17.58	3297320	20.0
unknown16.80	16.80	710.3	ng	117110000	4	17.58	3297320	20.0
unknown16.85	16.85	456.0	ng	75173400	4	17.58	3297320	20.0
Isopropyl palmitate	18.88	266.1	ng	43865600	4	17.58	3297320	20.0
1-Nonadecene	19.22	157.4	ng	25955800	4	17.58	3297320	20.0
unknown19.37	19.37	248.3	ng	40936900	4	17.58	3297320	20.0
unknown19.56	19.56	242.4	ng	39966300	4	17.58	3297320	20.0
Benzoic acid, hep...	19.66	127.6	ng	21033600	4	17.58	3297320	20.0
i-Propyl 16-methy...	19.83	175.3	ng	29811500	5	21.91	3400970	20.0
unknown19.92	19.92	148.0	ng	25173200	5	21.91	3400970	20.0
unknown20.06	20.06	250.1	ng	42535000	5	21.91	3400970	20.0
Cyclodecane	20.10	482.8	ng	82106300	5	21.91	3400970	20.0
1-Tridecene	20.64	657.5	ng	111815000	5	21.91	3400970	20.0
3-Eicosene, (E)-	20.98	123.4	ng	20989400	5	21.91	3400970	20.0
1-Tetradecene	21.18	627.4	ng	106688000	5	21.91	3400970	20.0
Cyclopentadecane	21.75	596.9	ng	101496000	5	21.91	3400970	20.0