

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090360.D
 Acq On : 4 Oct 2016 23:39
 Operator : UM/SJ
 Sample : H4869-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-08

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_F\METHODS\8270-BF100416.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	5.217	249	252	255	rBV	1410129	1700116	22.76%	1.419%
2	5.629	284	288	290	rBV	5423366	7467063	99.97%	6.233%
3	5.834	304	306	310	rBV2	246587	389944	5.22%	0.326%
4	6.189	334	337	338	rBV	70647	93090	1.25%	0.078%
5	6.292	344	346	350	rBV	173091	181008	2.42%	0.151%
6	6.463	358	361	363	rBV2	77417	112877	1.51%	0.094%
7	6.634	373	376	378	rVB	6462419	6563257	87.87%	5.479%
8	6.714	382	383	386	rBV2	60510	80993	1.08%	0.068%
9	6.783	386	389	391	rVB	7073727	7469495	100.00%	6.235%
10	7.012	406	409	411	rBV	1776528	1554900	20.82%	1.298%
11	7.069	412	414	415	rBV	102917	82623	1.11%	0.069%
12	7.137	418	420	421	rBV	156897	213746	2.86%	0.178%
13	7.172	421	423	425	rVB	6005937	5408534	72.41%	4.515%
14	7.412	442	444	446	rVB	932473	747482	10.01%	0.624%
15	7.572	454	458	460	rBV2	4506239	4760294	63.73%	3.974%
16	7.663	463	466	468	rBV	237960	312383	4.18%	0.261%
17	8.017	492	497	498	rBV3	80981	148105	1.98%	0.124%
18	8.303	519	522	524	rBV	1405670	1713875	22.94%	1.431%
19	8.920	574	576	578	rVB2	166084	247296	3.31%	0.206%
20	9.046	586	587	588	rBV	100598	86243	1.15%	0.072%
21	9.069	588	589	591	rVB	73449	83109	1.11%	0.069%
22	9.378	613	616	618	rBV	6666305	5928188	79.37%	4.949%
23	9.458	618	623	624	rVV3	60363	115059	1.54%	0.096%
24	9.492	624	626	632	rVB3	125835	195849	2.62%	0.163%
25	9.720	642	646	648	rBV2	200866	265970	3.56%	0.222%
26	9.766	648	650	652	rVV	2403520	2009225	26.90%	1.677%
27	9.823	652	655	657	rVB2	64923	87241	1.17%	0.073%
28	9.915	661	663	664	rBV	92802	114901	1.54%	0.096%
29	9.983	667	669	672	rVB2	70593	134475	1.80%	0.112%
30	10.052	673	675	677	rBV	1284706	1718894	23.01%	1.435%
31	10.178	684	686	688	rBV2	106580	130654	1.75%	0.109%
32	10.486	712	713	715	rVB	130353	109551	1.47%	0.091%
33	10.715	731	733	734	rBV	62788	100349	1.34%	0.084%
34	10.852	742	745	747	rBV	3634213	4238050	56.74%	3.538%

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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.966	753	755	759	rVB2	274818	448834	6.01%	0.375%
36	11.023	759	760	762	rBV	178793	255993	3.43%	0.214%
37	11.058	762	763	765	rVV2	243808	291247	3.90%	0.243%
38	11.092	765	766	767	rVV	321600	273278	3.66%	0.228%
39	11.115	767	768	770	rVV2	131596	156265	2.09%	0.130%
40	11.161	770	772	774	rVV3	149926	297170	3.98%	0.248%
41	11.206	774	776	778	rVB2	341347	370613	4.96%	0.309%
42	11.241	778	779	782	rBV2	203117	305807	4.09%	0.255%
43	11.286	782	783	785	rVB	177039	133348	1.79%	0.111%
44	11.412	792	794	796	rBV	135496	161672	2.16%	0.135%
45	11.549	803	806	807	rBV	2136646	1815325	24.30%	1.515%
46	11.606	810	811	814	rVV2	86348	105333	1.41%	0.088%
47	11.664	814	816	819	rVV3	59256	119639	1.60%	0.100%
48	11.732	819	822	823	rVV2	97697	157160	2.10%	0.131%
49	11.766	823	825	828	rVV	1005710	977206	13.08%	0.816%
50	11.835	829	831	834	rVB3	101465	160295	2.15%	0.134%
51	11.961	839	842	844	rVB2	222656	231743	3.10%	0.193%
52	12.006	844	846	848	rBV2	165753	294063	3.94%	0.245%
53	12.075	850	852	859	rBV	1826436	1970374	26.38%	1.645%
54	12.246	865	867	870	rBV3	147339	204600	2.74%	0.171%
55	12.498	887	889	891	rVB	483530	470202	6.29%	0.393%
56	12.589	895	897	899	rVV	2800502	2788850	37.34%	2.328%
57	12.624	899	900	904	rVB4	109618	243749	3.26%	0.203%
58	12.784	911	914	915	rBV2	485398	835552	11.19%	0.697%
59	12.807	915	916	919	rVB	1905822	1870000	25.04%	1.561%
60	12.864	919	921	924	rBV	1245297	1215548	16.27%	1.015%
61	13.012	931	934	937	rVB2	114484	228551	3.06%	0.191%
62	13.138	943	945	947	rBV	5313802	5167565	69.18%	4.314%
63	13.241	947	954	955	rVV5	565112	2176961	29.14%	1.817%
64	13.275	955	957	960	rVB2	321252	873985	11.70%	0.730%
65	13.447	971	972	974	rVB2	225170	207554	2.78%	0.173%
66	13.504	975	977	978	rBV2	159650	179443	2.40%	0.150%
67	13.595	981	985	988	rVV5	378815	1026178	13.74%	0.857%
68	13.652	988	990	991	rVV	566831	674018	9.02%	0.563%
69	13.687	991	993	994	rVV	547839	626228	8.38%	0.523%
70	13.744	997	998	1000	rVB2	245893	267048	3.58%	0.223%
71	13.789	1000	1002	1004	rBV	154003	150969	2.02%	0.126%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.881	1008	1010	1011	rBV	1235560	1271918	17.03%	1.062%
73	13.904	1011	1012	1015	rVB2	853078	922992	12.36%	0.770%
74	14.007	1017	1021	1022	rBV2	3929857	4710912	63.07%	3.933%
75	14.041	1022	1024	1027	rVB	862420	1193091	15.97%	0.996%
76	14.121	1030	1031	1034	rBV2	468332	573844	7.68%	0.479%
77	14.178	1034	1036	1039	rBV2	2135242	4097990	54.86%	3.421%
78	14.258	1041	1043	1044	rVB2	223367	190938	2.56%	0.159%
79	14.372	1051	1053	1056	rVB2	616152	1177421	15.76%	0.983%
80	14.670	1077	1079	1082	rBV	1283639	1733269	23.20%	1.447%
81	14.887	1097	1098	1102	rVB2	157067	256980	3.44%	0.215%
82	15.070	1112	1114	1117	rVB	301966	355520	4.76%	0.297%
83	15.355	1136	1139	1152	rVB2	927122	3098258	41.48%	2.586%
84	15.630	1156	1163	1167	rBV3	408985	1619383	21.68%	1.352%
85	15.710	1167	1170	1172	rVV	1041643	1330682	17.81%	1.111%
86	15.961	1190	1192	1193	rBV	129192	191001	2.56%	0.159%
87	16.213	1211	1214	1215	rBV	433860	670137	8.97%	0.559%
88	16.258	1215	1218	1224	rVB	1067905	2003708	26.83%	1.673%
89	16.453	1232	1235	1237	rBV	373138	718720	9.62%	0.600%
90	17.047	1285	1287	1290	rBV2	147984	275991	3.69%	0.230%
91	17.447	1318	1322	1327	rVB4	170891	562140	7.53%	0.469%
92	17.870	1355	1359	1362	rBV	1018965	2537458	33.97%	2.118%
93	17.961	1365	1367	1373	rVB4	347044	850990	11.39%	0.710%
94	18.098	1377	1379	1384	rVB2	214119	502624	6.73%	0.420%
95	18.213	1385	1389	1392	rBV3	426107	1157233	15.49%	0.966%
96	18.350	1398	1401	1408	rVV	365891	1016288	13.61%	0.848%
97	18.464	1408	1411	1416	rVB3	398630	1136066	15.21%	0.948%
98	18.716	1429	1433	1435	rBV2	722285	1897105	25.40%	1.584%
99	18.876	1443	1447	1450	rBV2	166514	427945	5.73%	0.357%
100	18.956	1450	1454	1460	rVB2	322462	1014898	13.59%	0.847%

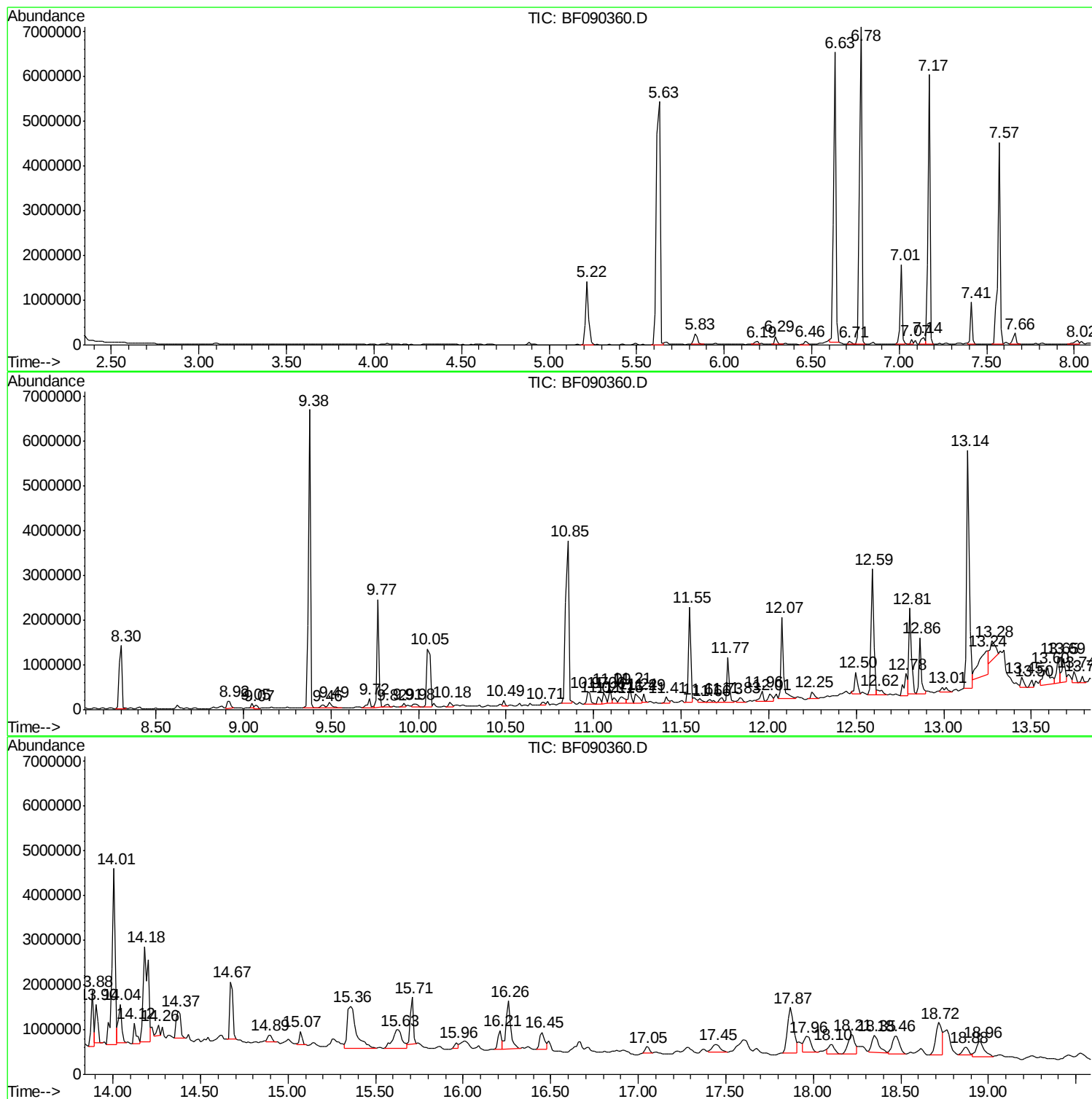
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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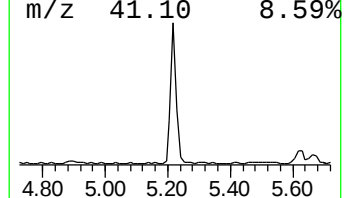
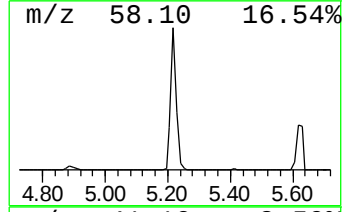
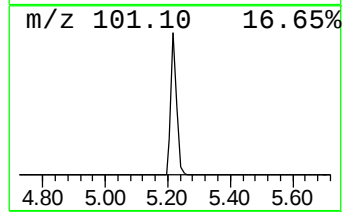
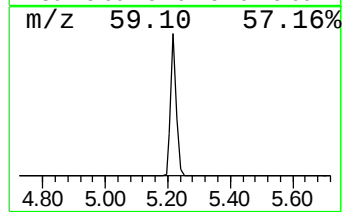
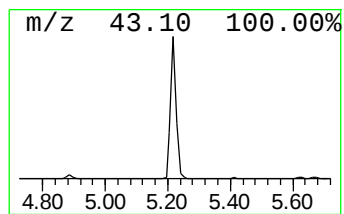
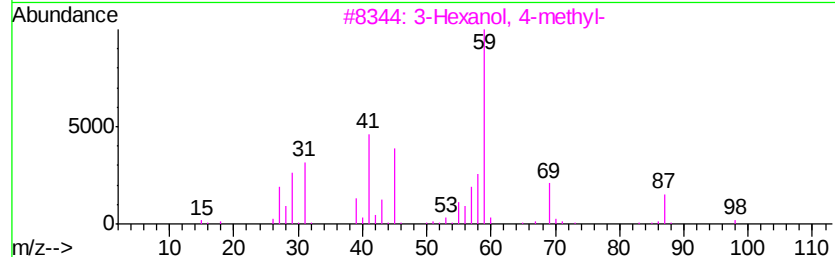
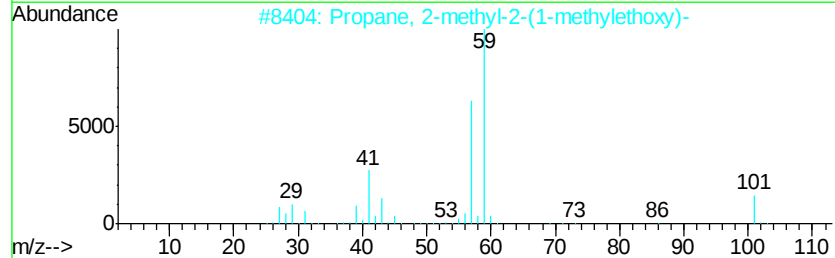
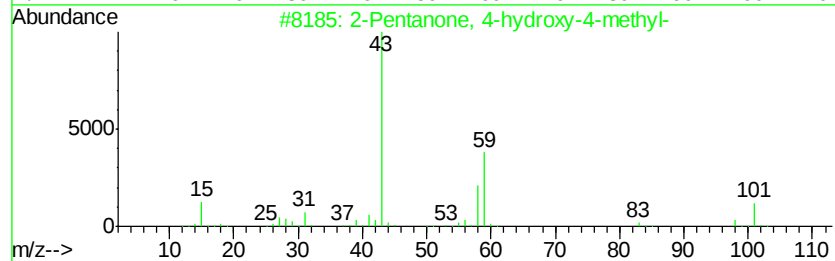
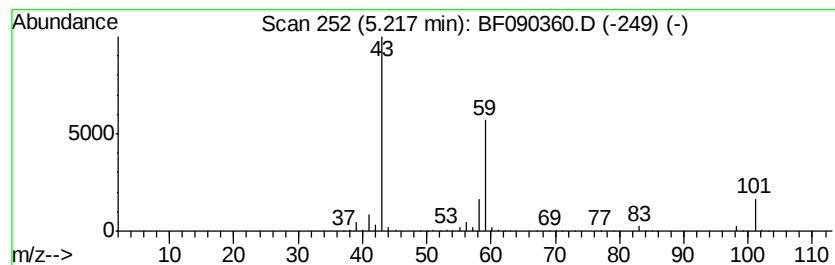
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	21.87 ng	1700120	1,4-Dichlorobenzene-d4	7.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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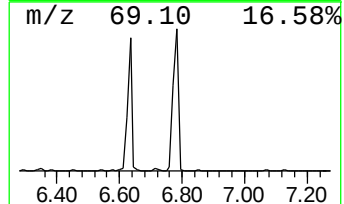
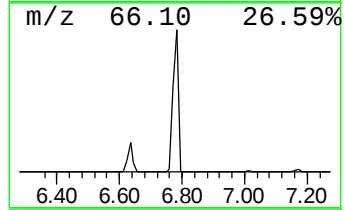
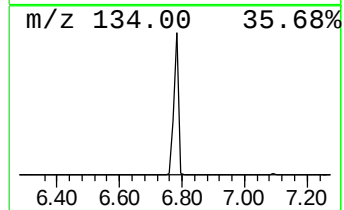
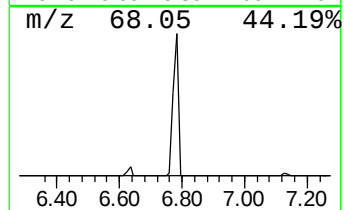
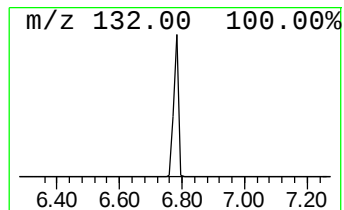
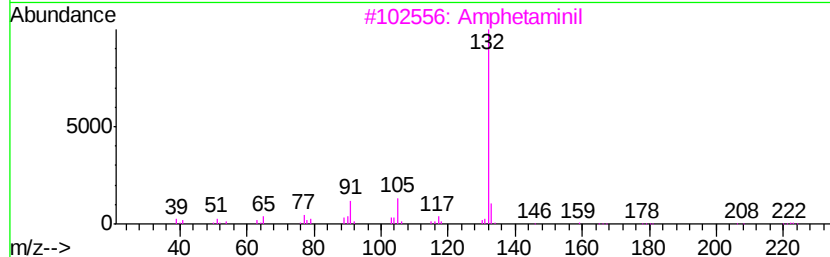
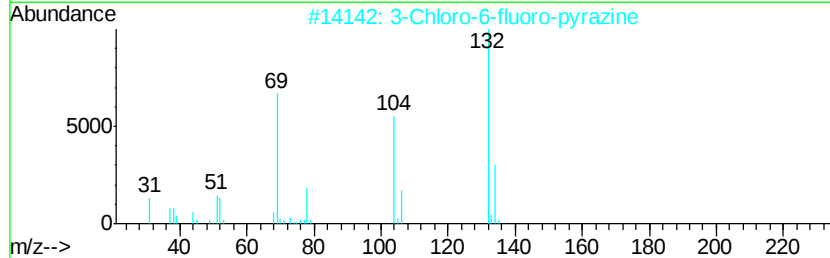
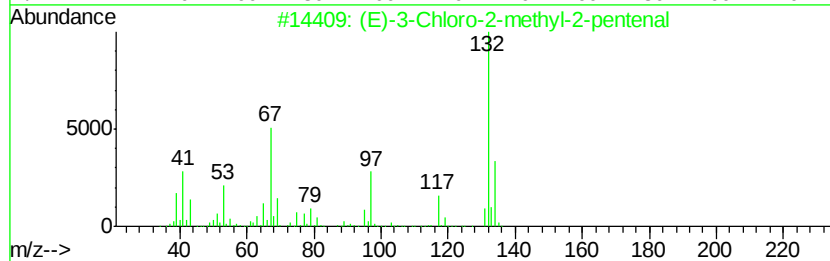
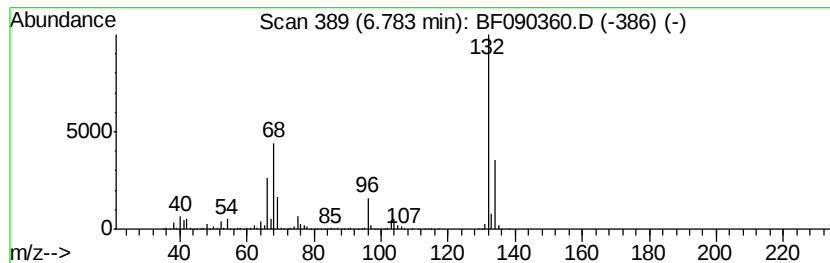
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	96.08 ng	7469500	1,4-Dichlorobenzene-d4	7.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Amphetaminil	250	C17H18N2	017590-01-1	10
4		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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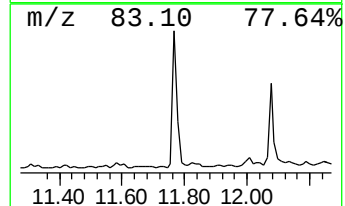
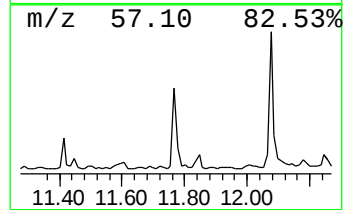
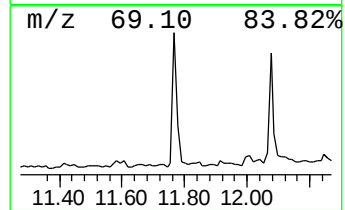
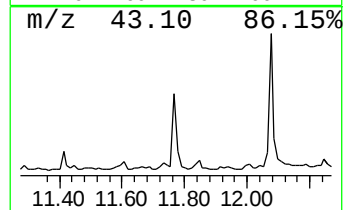
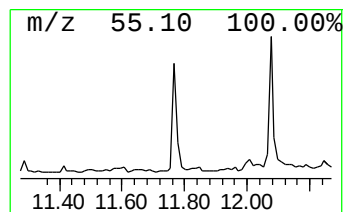
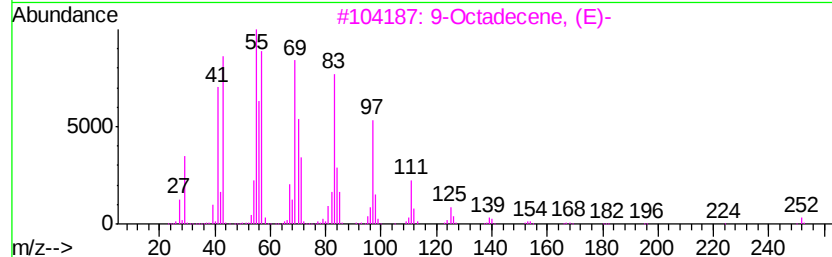
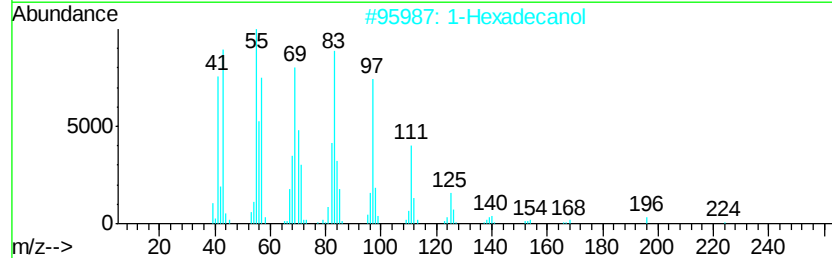
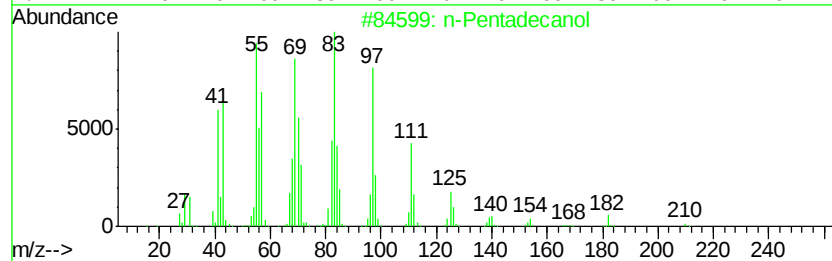
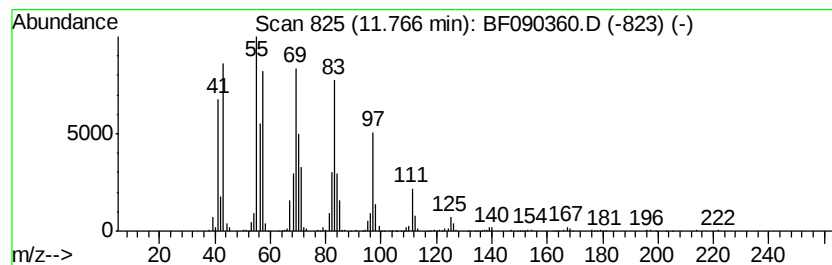
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Pentadecanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.77 ng	977206	Phenanthrene-d10	11.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Pentadecanol	228	C15H32O	000629-76-5	91
2		1-Hexadecanol	242	C16H34O	036653-82-4	91
3		9-Octadecene, (E)-	252	C18H36	007206-25-9	91
4		n-Heptadecanol-1	256	C17H36O	001454-85-9	91
5		n-Tridecan-1-ol	200	C13H28O	000112-70-9	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-08

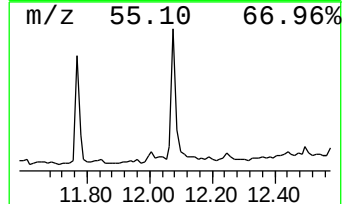
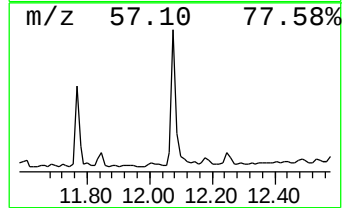
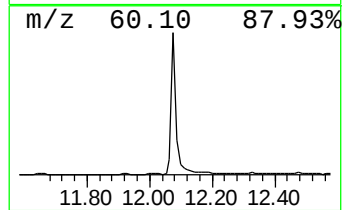
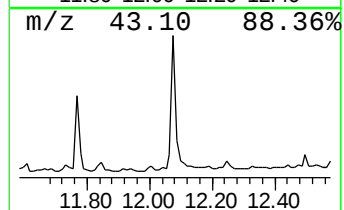
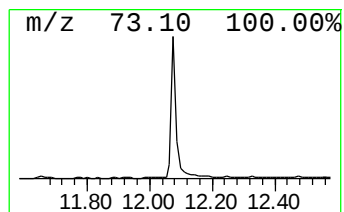
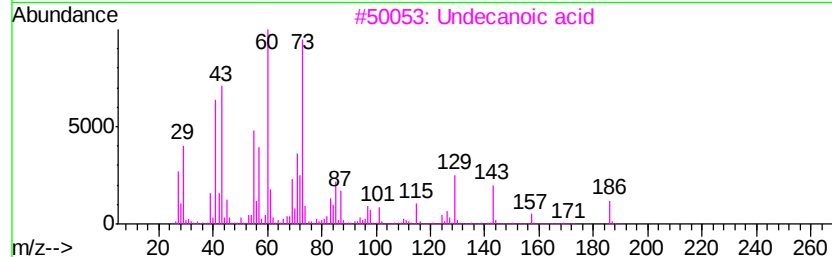
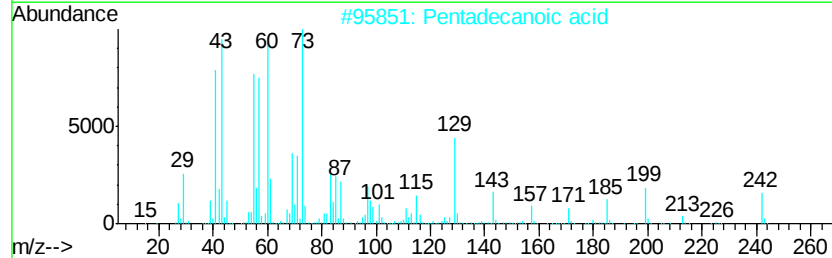
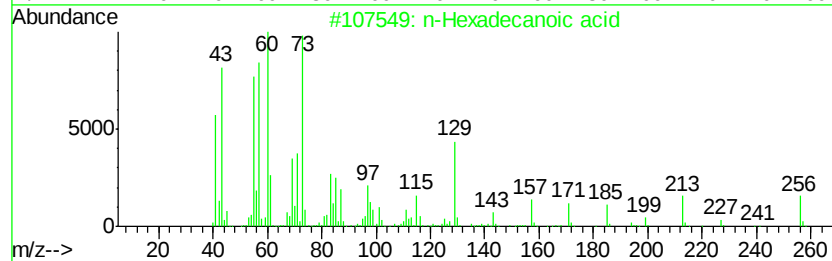
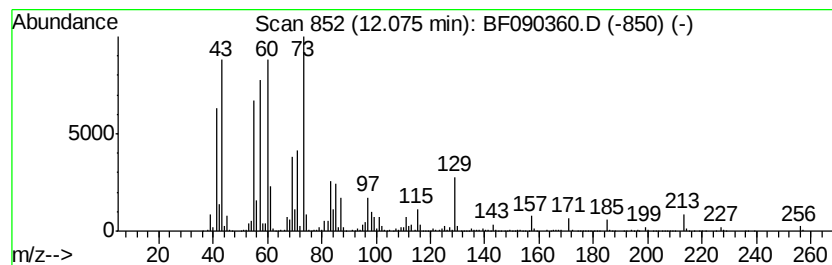
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	21.71 ng	1970370	Phenanthrene-d10	11.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Undecanoic acid	186	C11H22O2	000112-37-8	90
4		Dodecanoic acid	200	C12H24O2	000143-07-7	72
5		Undecane	156	C11H24	001120-21-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
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Instrument :
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ClientSampleId :
TS-WSG-16121-08

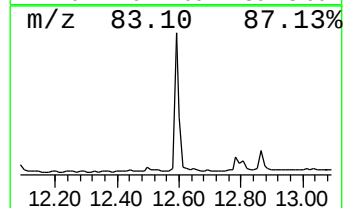
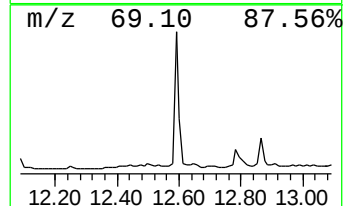
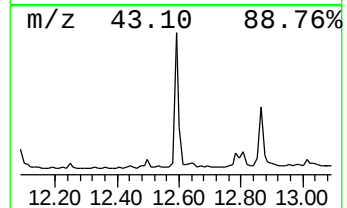
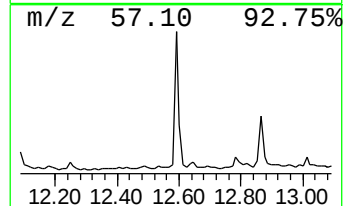
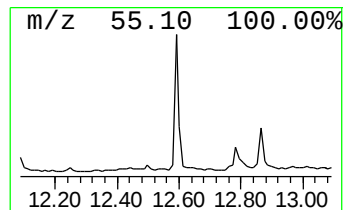
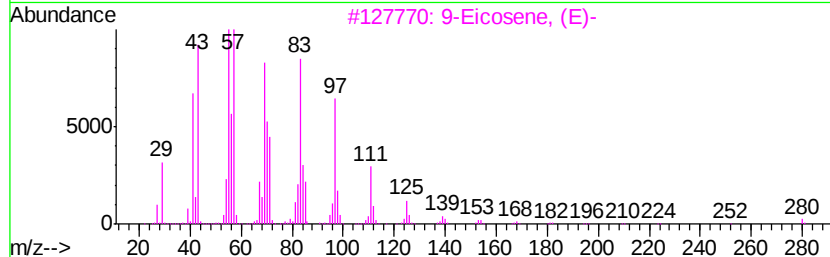
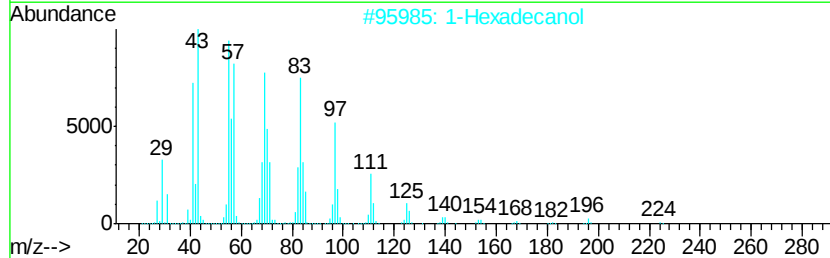
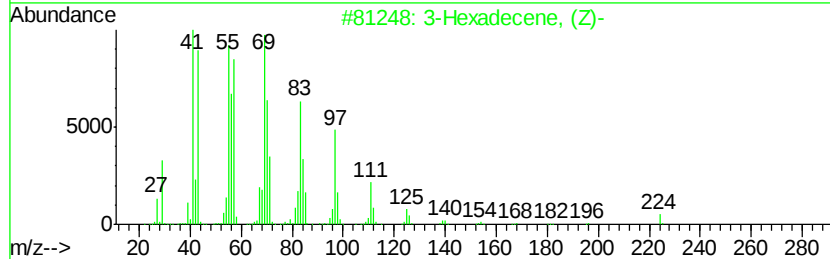
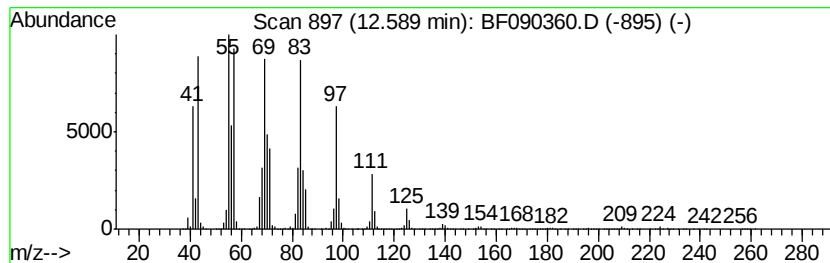
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 3-Hexadecene, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	30.73 ng	2788850	Phenanthrene-d10	11.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Hexadecene, (Z)-	224	C16H32	034303-81-6	95
2		1-Hexadecanol	242	C16H34O	036653-82-4	94
3		9-Eicosene, (E)-	280	C20H40	074685-29-3	91
4		9-Octadecene, (E)-	252	C18H36	007206-25-9	91
5		Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-08

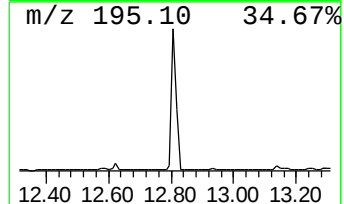
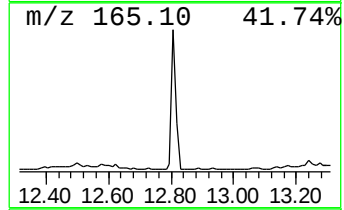
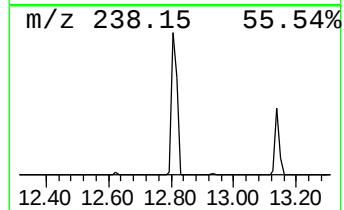
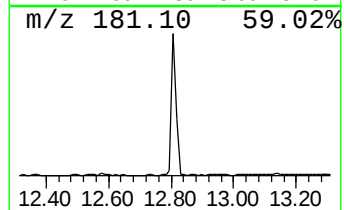
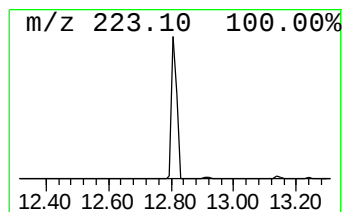
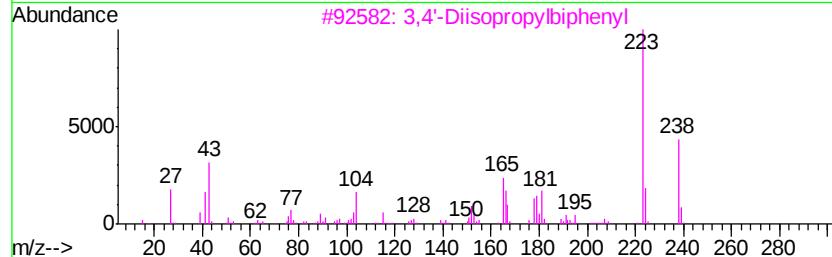
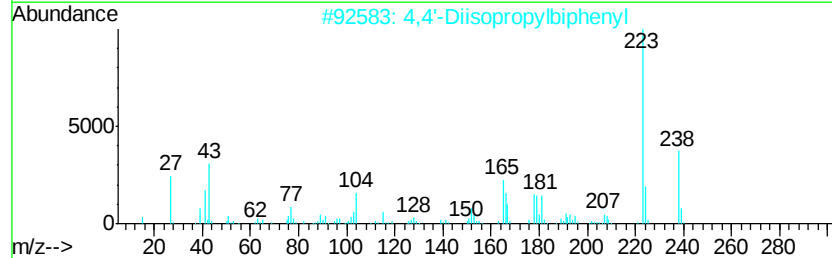
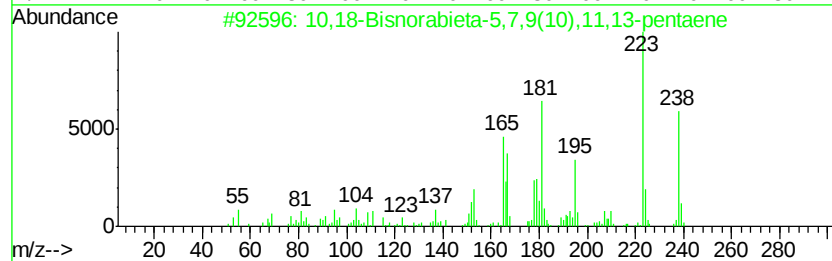
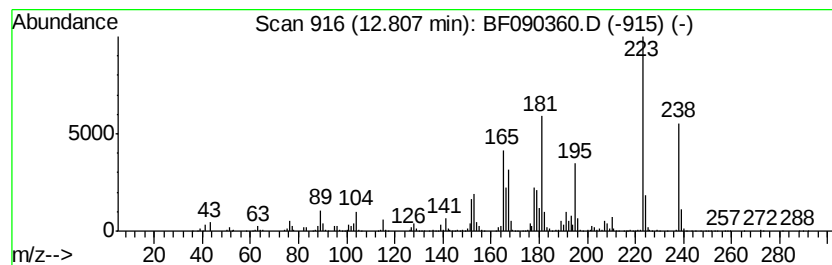
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	20.60 ng	1870000	Phenanthrene-d10	11.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2		4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
3		3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	55
4		3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	43
5		Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

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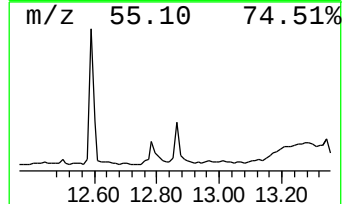
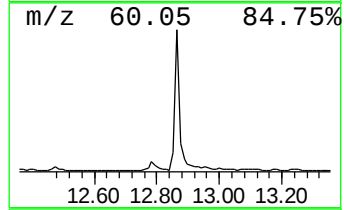
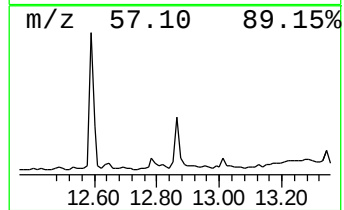
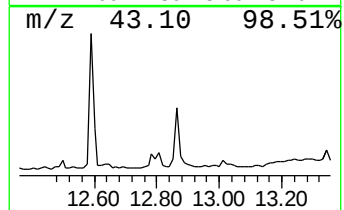
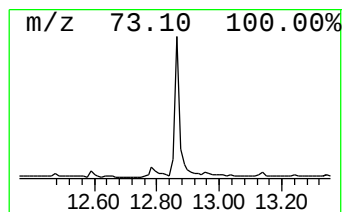
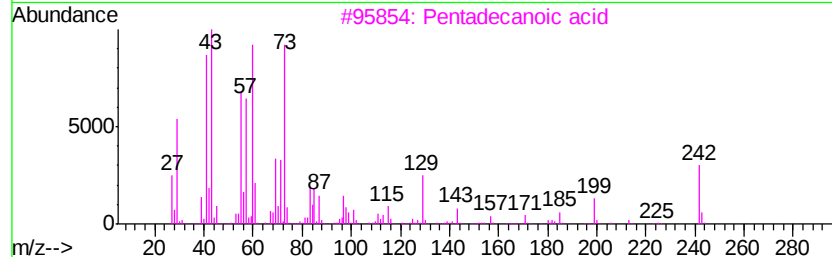
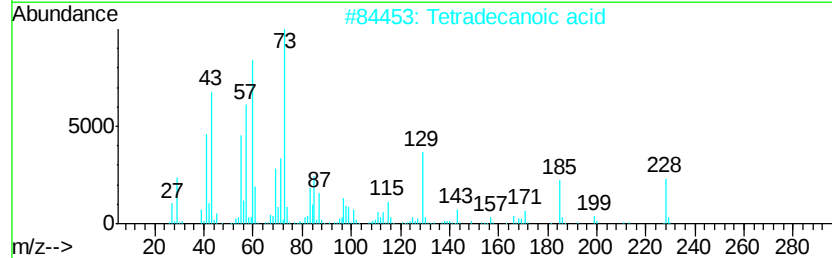
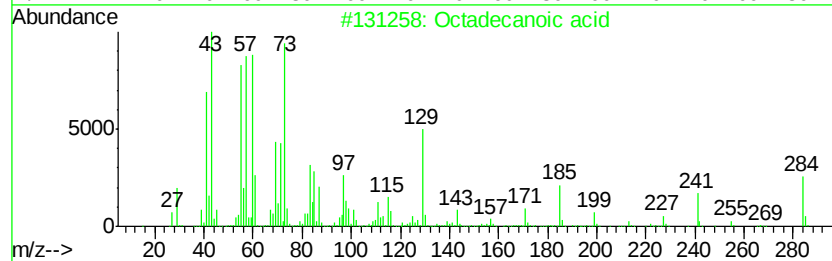
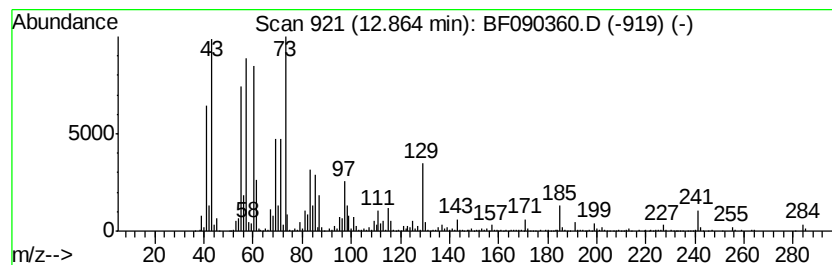
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	13.39 ng	1215550	Phenanthrene-d10	11.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
5		Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-08

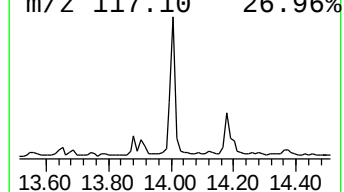
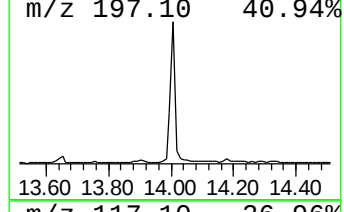
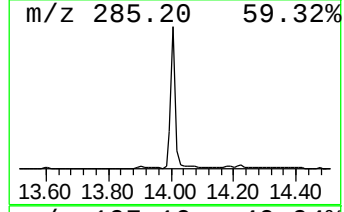
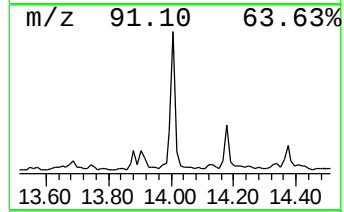
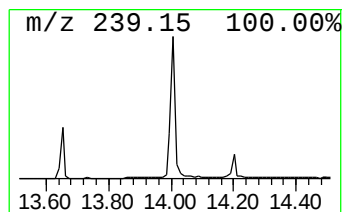
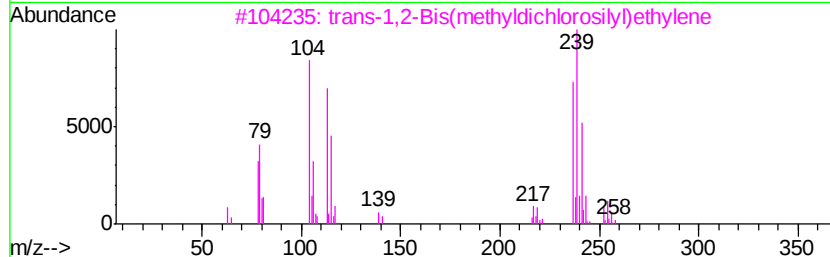
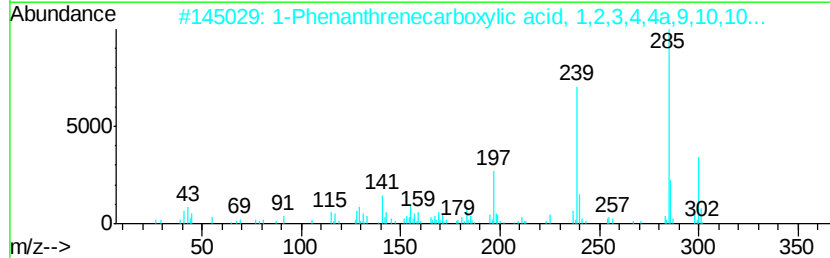
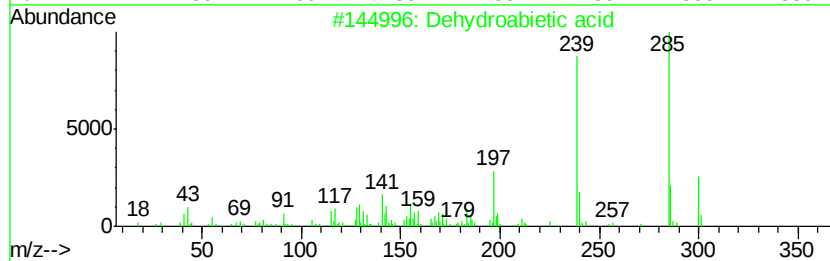
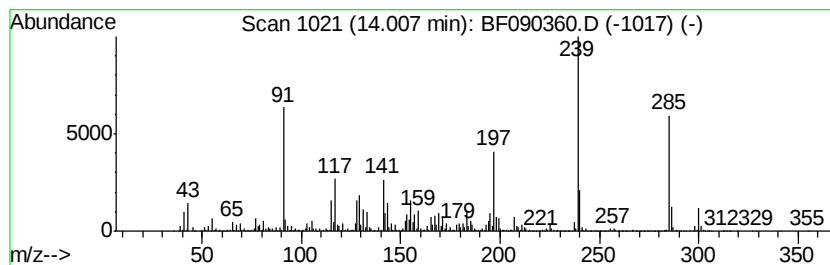
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dehydroabietic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	22.99 ng	4710910	Chrysene-d12	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dehydroabietic acid	300	C20H28O2	001740-19-8	97
2		1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
3		trans-1,2-Bis(methyldichlorosilyl)...	252	C4H8Cl4Si2	065899-10-7	64
4		3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3N03	023851-84-5	47
5		Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3N03	000391-02-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

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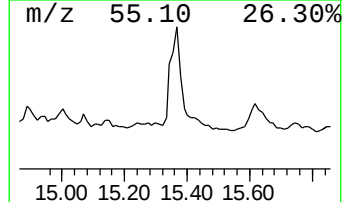
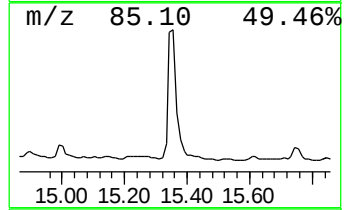
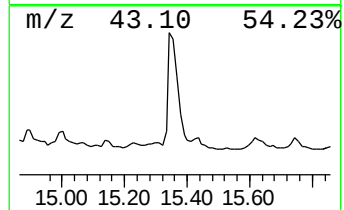
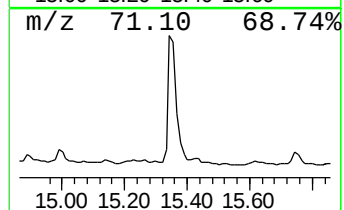
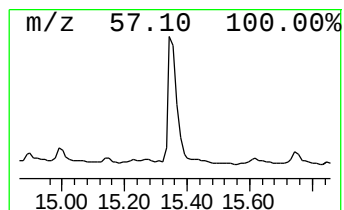
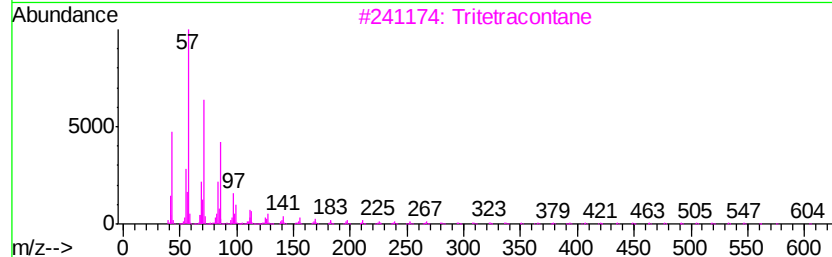
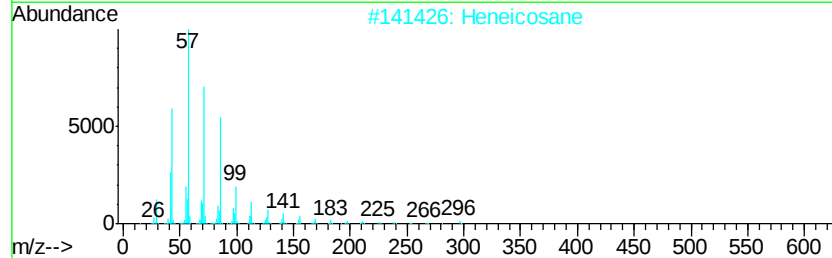
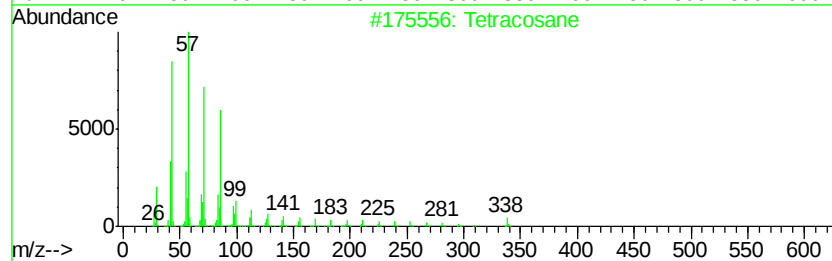
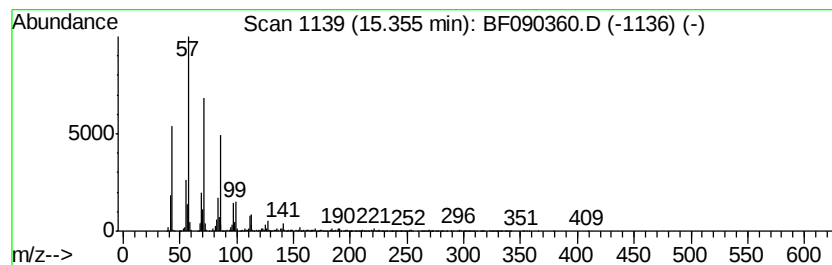
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	46.57 ng	3098260	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	93
2		Heneicosane	296	C21H44	000629-94-7	92
3		Tritetracontane	605	C43H88	007098-21-7	91
4		10-Methylnonadecane	282	C20H42	056862-62-5	91
5		Hexatriacontane	507	C36H74	000630-06-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TS-WSG-16121-08

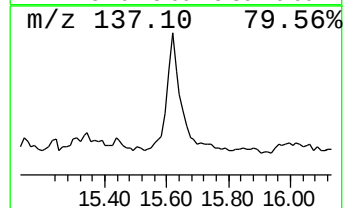
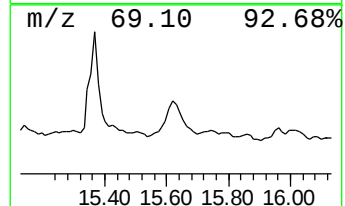
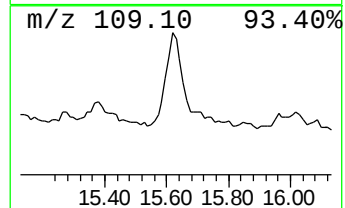
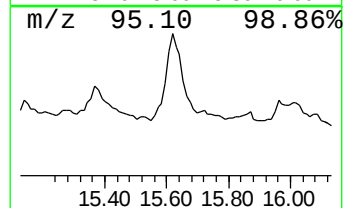
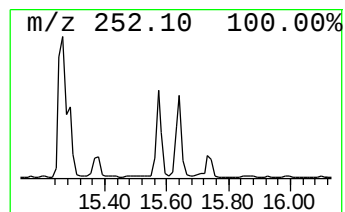
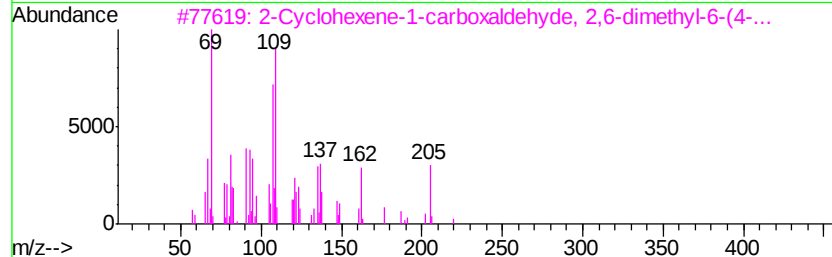
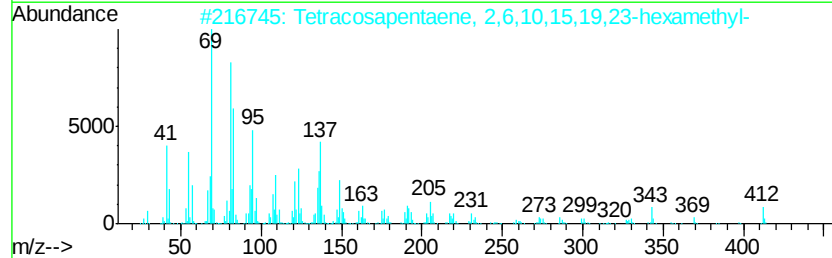
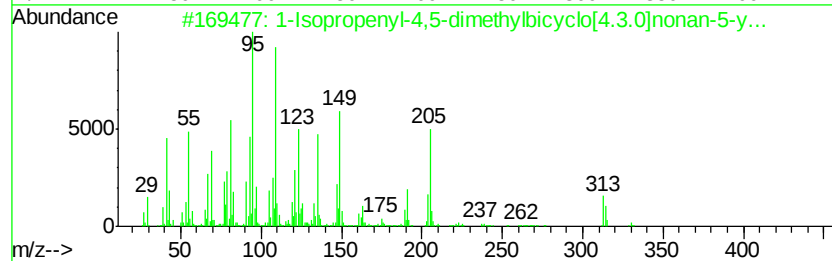
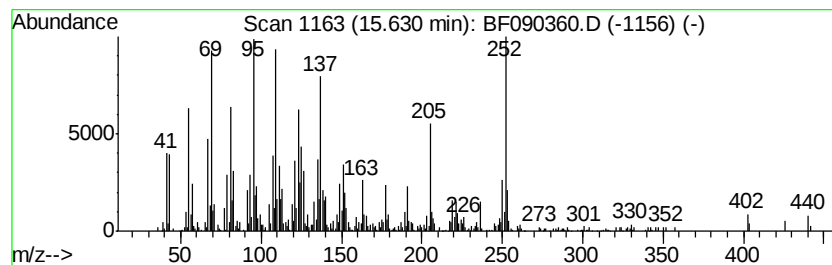
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-Isopropenyl-4,5-dimethylb... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	24.34 ng	1619380	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenyl-4,5-dimethylbicycl...	330	C21H30OS	1000195-85-4	56
2		Tetracosapentaene, 2,6,10,15,19,...	412	C30H52	026266-08-0	38
3		2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	30
4		2-Pentenoic acid, 3-methyl-5-(2,...	236	C15H24O2	1000196-81-2	27
5		1-(2-Furyl)-4,4,4-trifluoro-1,3-...	206	C8H5F3O3	000326-90-9	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-08

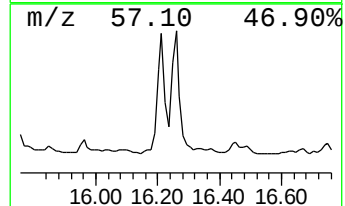
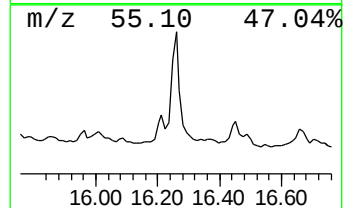
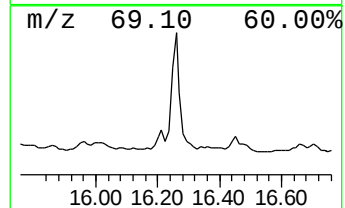
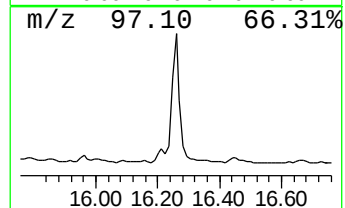
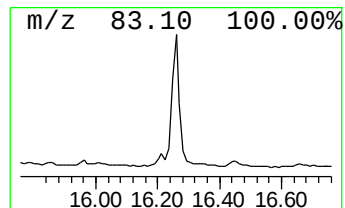
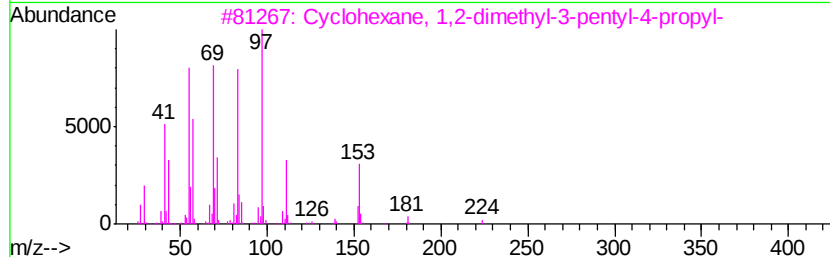
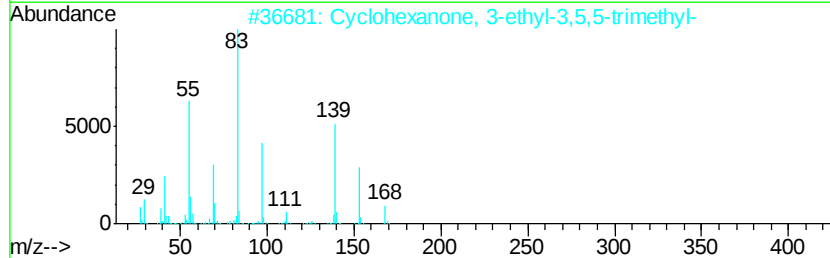
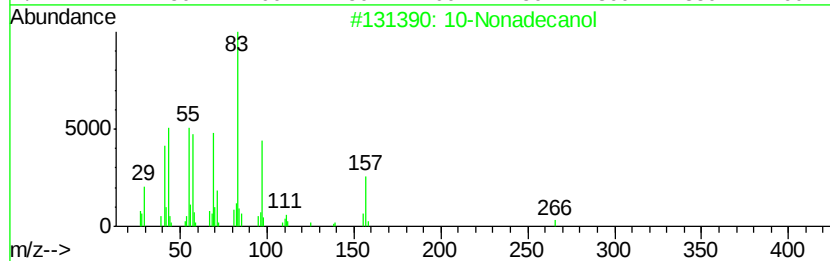
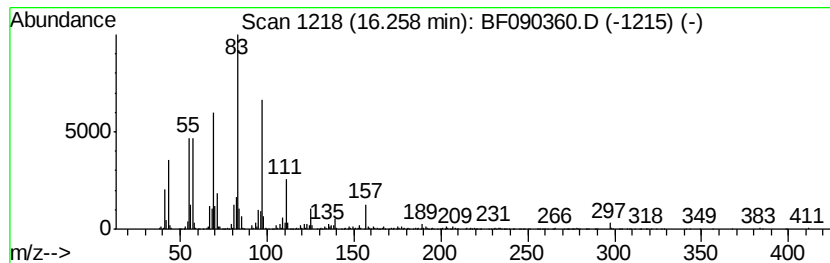
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 10-Nonadecanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	30.12 ng	2003710	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Nonadecanol	284	C19H40O	016840-84-9	64
2		Cyclohexanone, 3-ethyl-3,5,5-tri...	168	C11H20O	167226-01-9	53
3		Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	46
4		Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	43
5		Cyclohexanecarboxylic acid, ethe...	154	C9H14O2	004840-76-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
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Misc :
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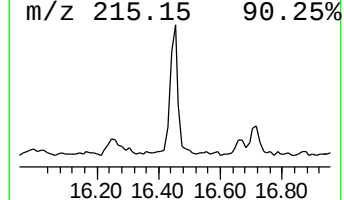
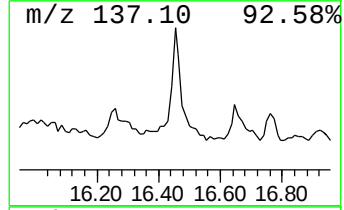
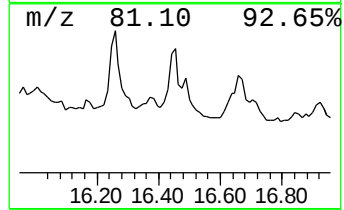
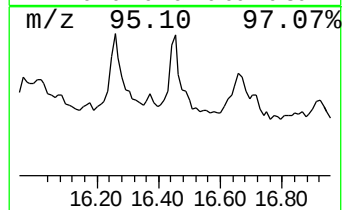
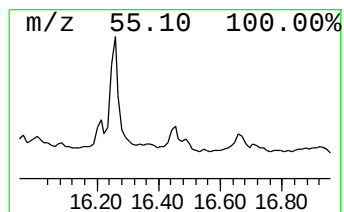
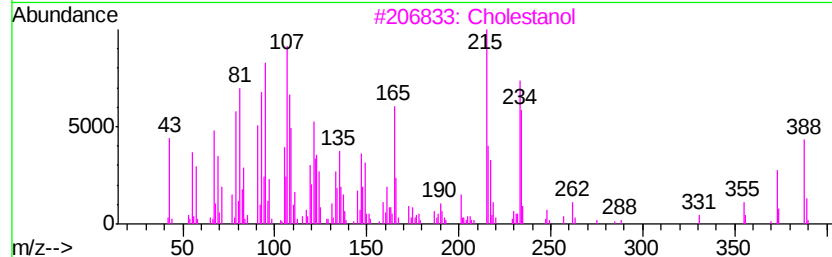
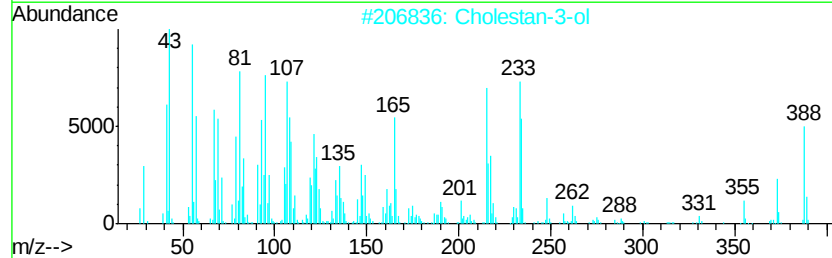
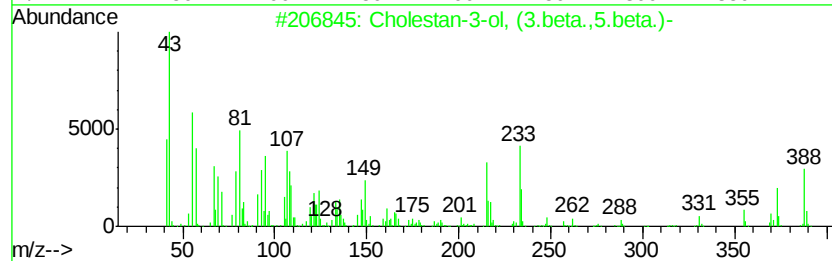
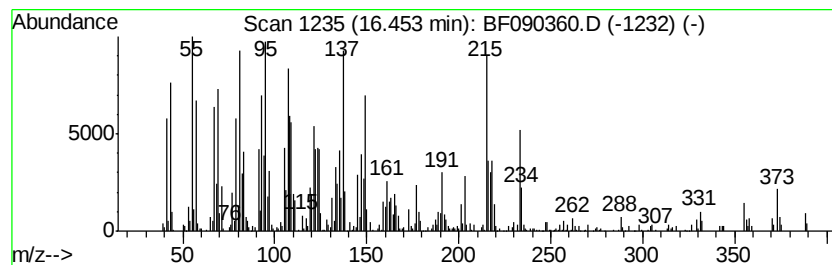
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cholestan-3-ol, (3.beta.,5.... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	10.80 ng	718720	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	91
2		Cholestan-3-ol	388	C27H48O	027409-41-2	64
3		Cholestanol	388	C27H48O	000080-97-7	47
4		Cyclopent[e]-1,3-oxazine, octahy...	216	C13H16N2O	1000138-92-2	25
5		Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
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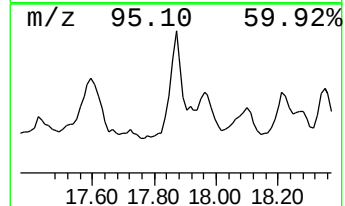
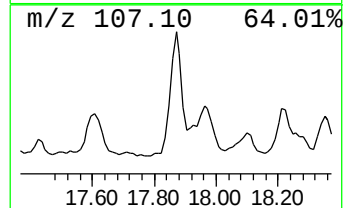
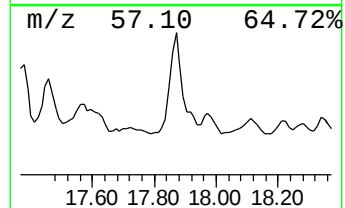
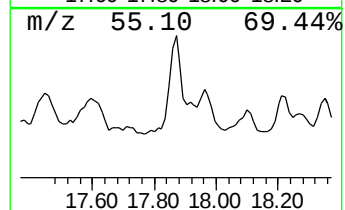
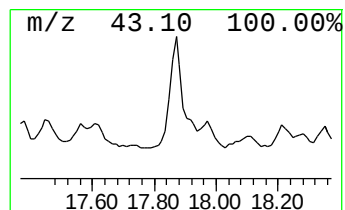
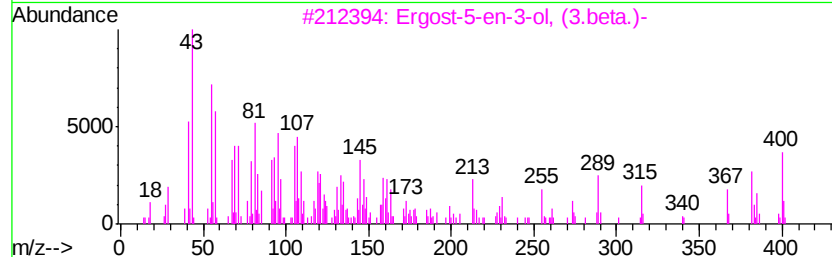
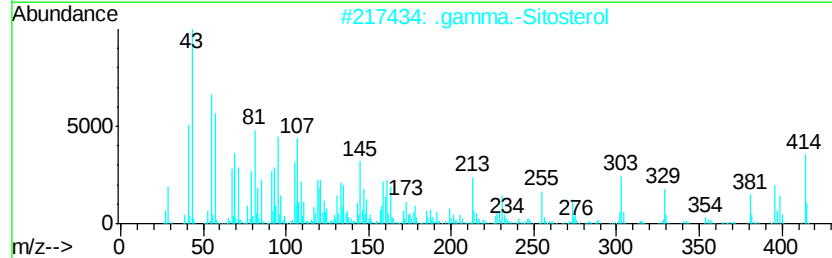
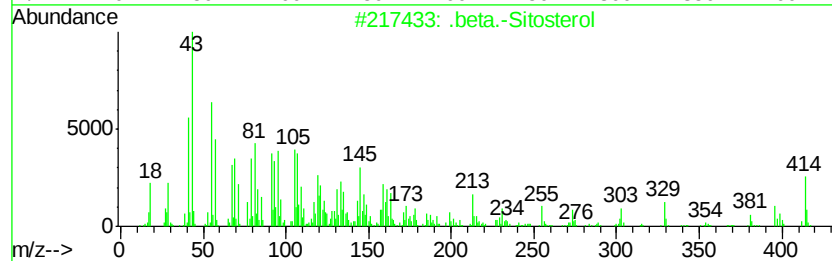
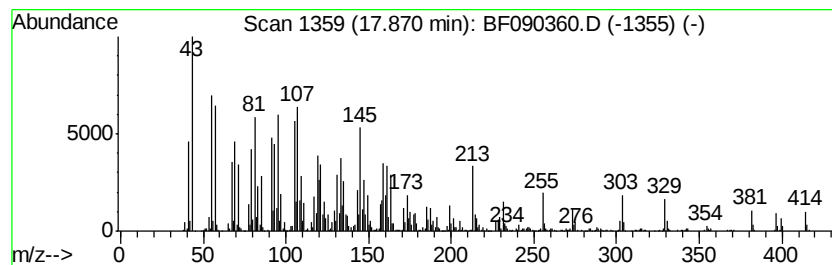
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 .beta.-Sitosterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	38.14 ng	2537460	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2		.gamma.-Sitosterol	414	C29H50O	000083-47-6	95
3		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	68
4		Campesterol	400	C28H48O	000474-62-4	42
5		Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
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Misc :
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Instrument :
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ClientSampleId :
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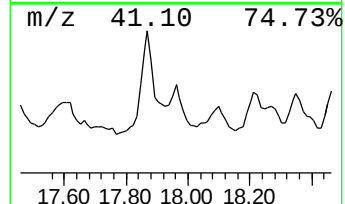
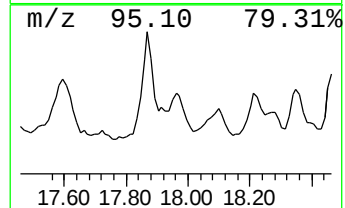
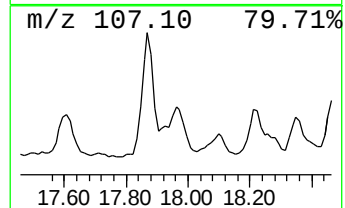
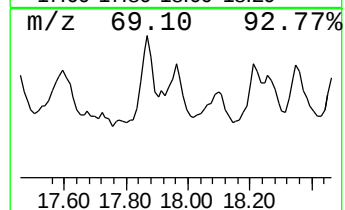
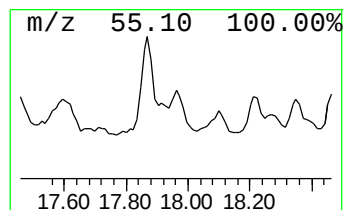
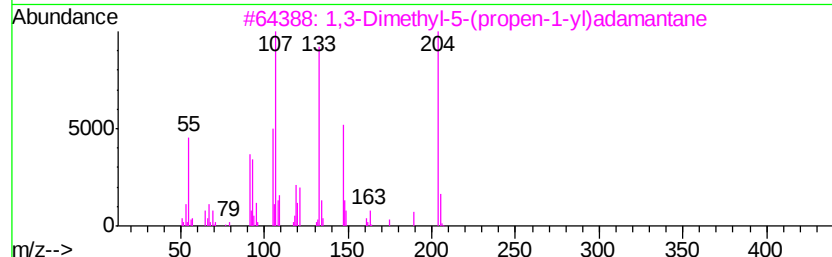
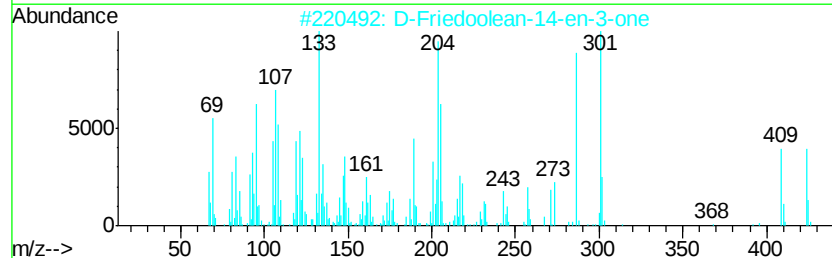
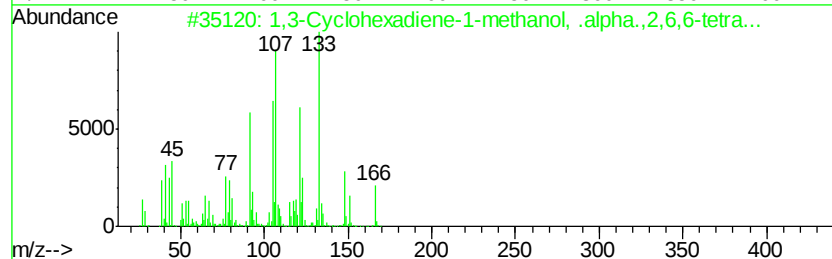
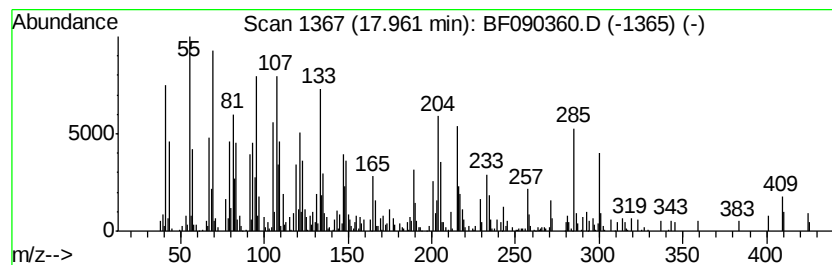
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown17.96 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	12.79 ng	850990	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Cyclohexadiene-1-methanol,	166	C11H18O	102676-97-1	42
2		D-Friedoolean-14-en-3-one	424	C30H48O	000514-07-8	41
3		1,3-Dimethyl-5-(propen-1-yl)adam...	204	C15H24	057040-48-9	38
4		Androstane-3,17-diol, (3.beta.,5...	292	C19H32O2	000571-20-0	35
5		Aromandendrene	204	C15H24	000489-39-4	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
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Misc :
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Instrument :
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ClientSampleId :
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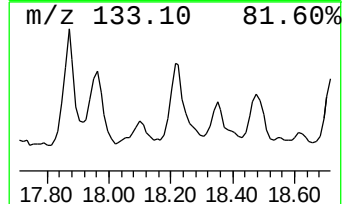
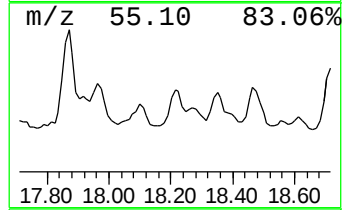
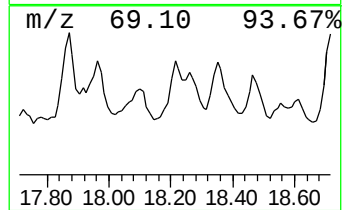
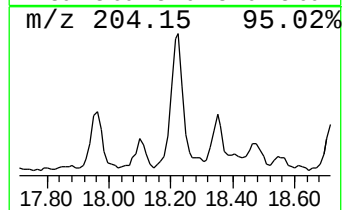
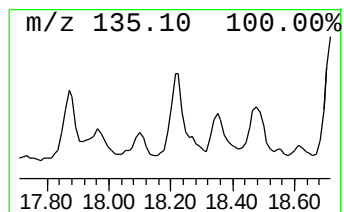
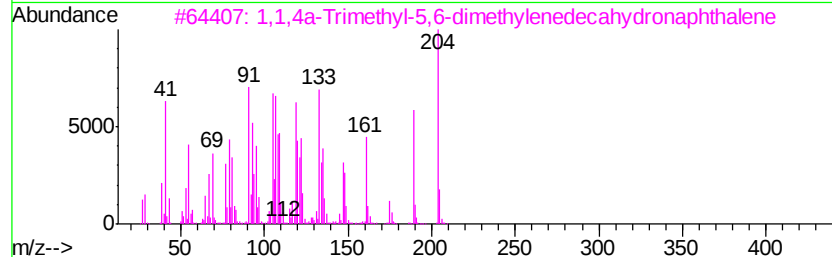
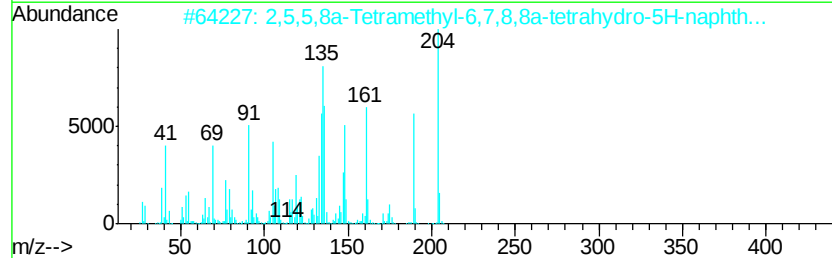
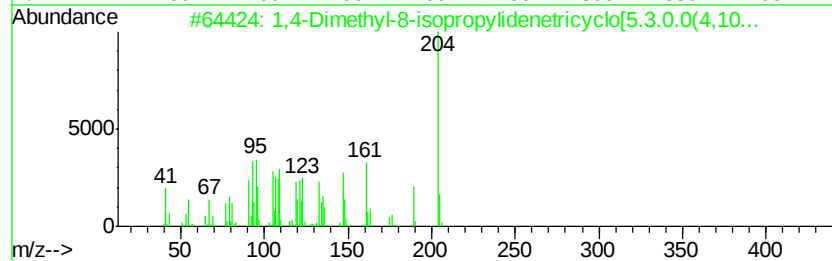
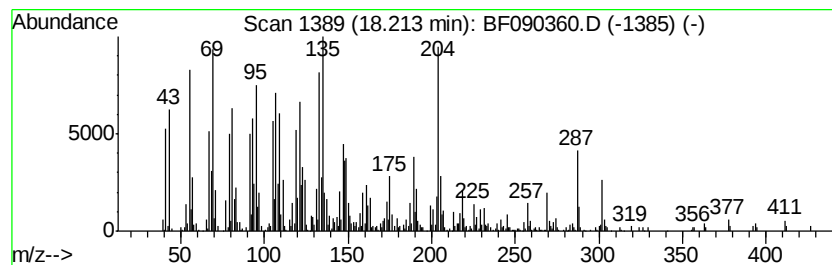
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,4-Dimethyl-8-isopropylide... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	17.39 ng	1157230	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	53
2		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	50
3		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	46
4		2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	43
5		1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204	C15H24	1000140-07-6	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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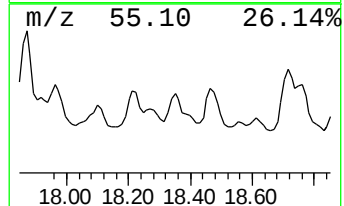
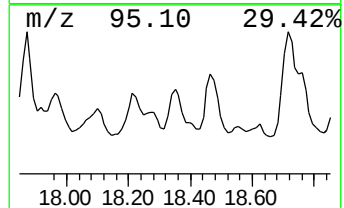
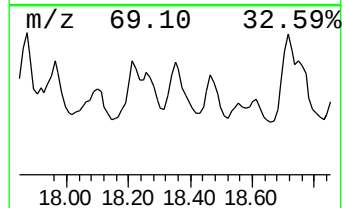
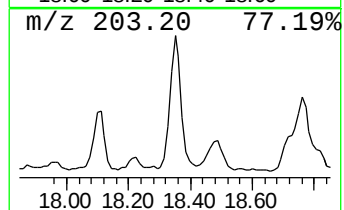
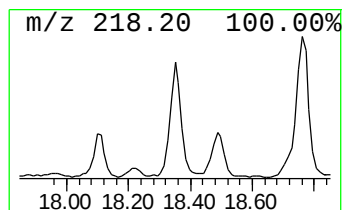
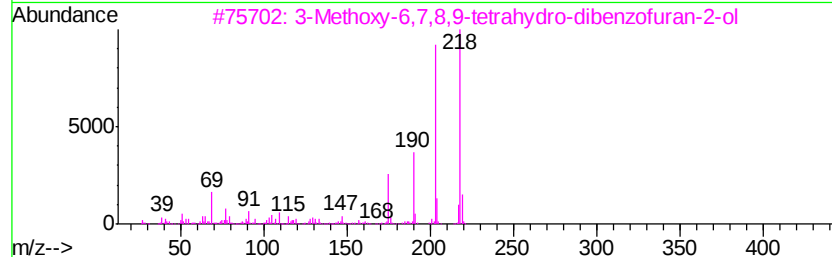
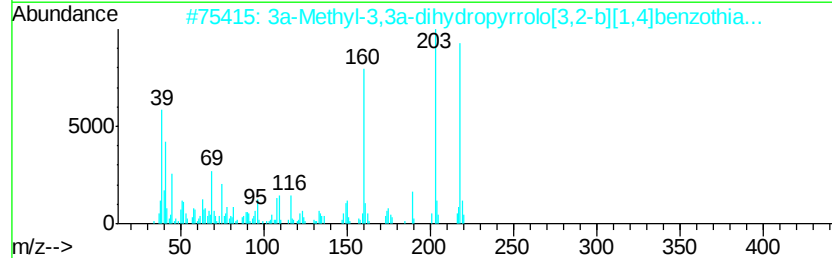
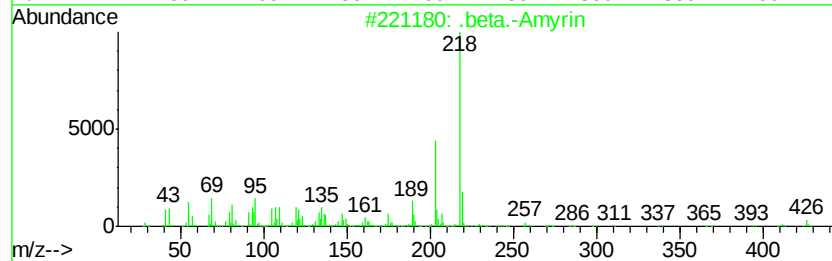
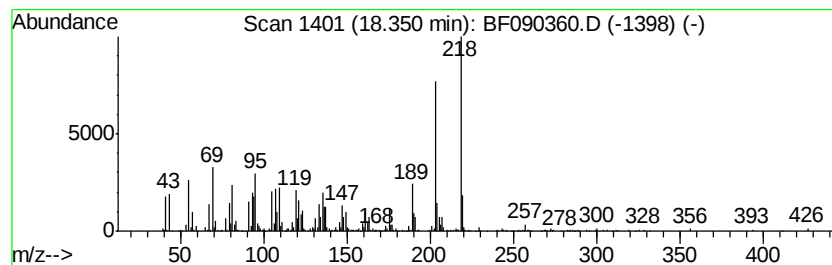
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 .beta.-Amyrin Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	15.27 ng	1016290	Perylene-d12	15.71
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Amyrin	426 C30H50O	000559-70-6 81
2		3a-Methyl-3,3a-dihydropyrrolo[3,...	218 C11H10N2OS	017163-68-7 58
3		3-Methoxy-6,7,8,9-tetrahydro-dib...	218 C13H14O3	1000186-57-9 49
4		4-Allyl-5-pyridin-3-yl-2,4-dihyd...	218 C10H10N4S	1000300-40-5 47
5		8-Amino-6,7-dimethoxy-4-methylqu...	218 C12H14N2O2	1000213-07-2 46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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ALS Vial : 15 Sample Multiplier: 1

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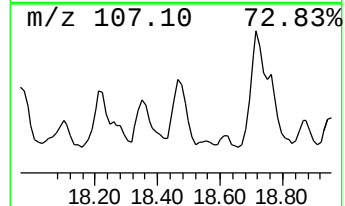
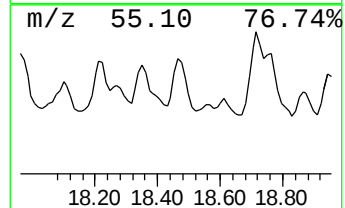
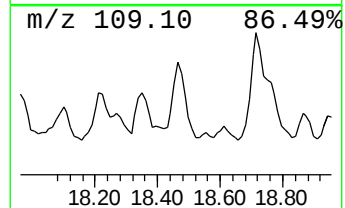
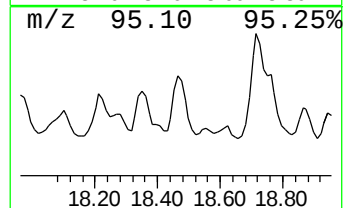
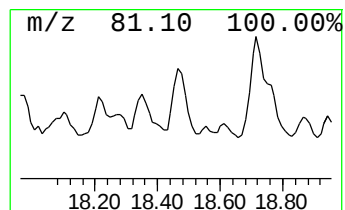
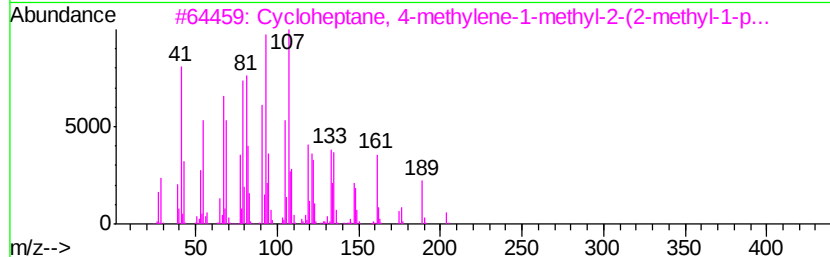
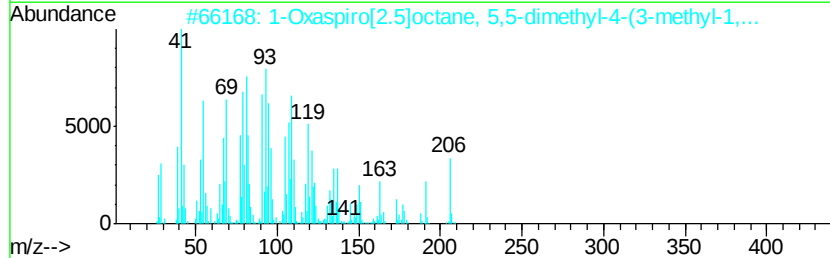
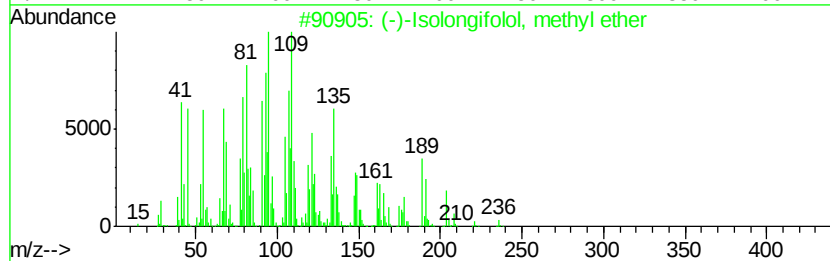
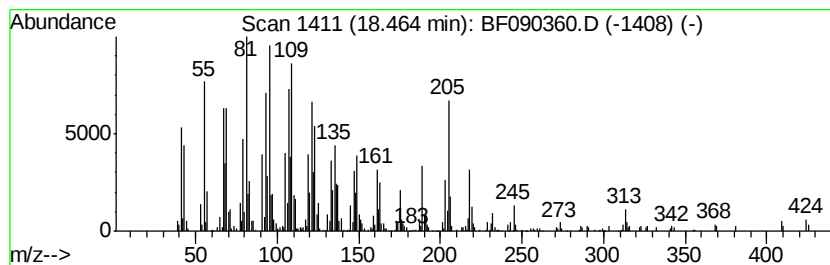
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 (-)-Isolongifolol, methyl e... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	17.07 ng	1136070	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	53
2		1-Oxaspiro[2.5]octane, 5,5-dimet...	206	C14H22O	1000195-92-1	50
3		Cycloheptane, 4-methylene-1-meth...	204	C15H24	1000159-38-5	40
4		Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	38
5		Spiro[4.5]dec-6-en-8-one, 1,7-di...	220	C15H24O	039510-36-6	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

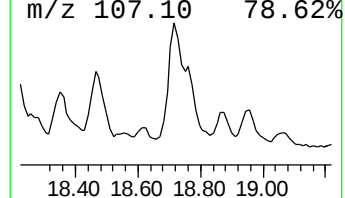
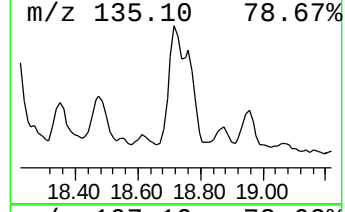
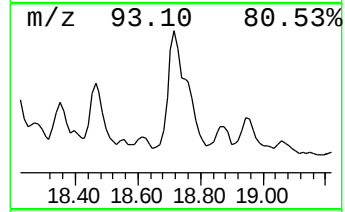
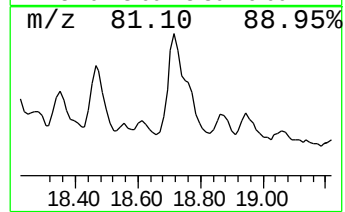
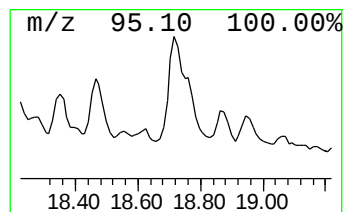
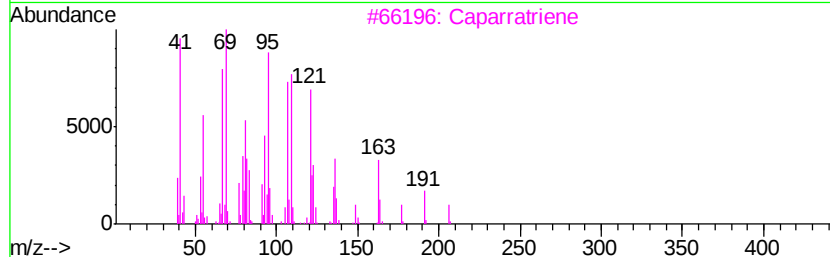
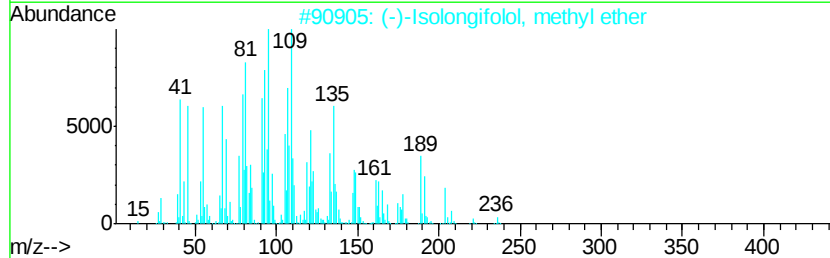
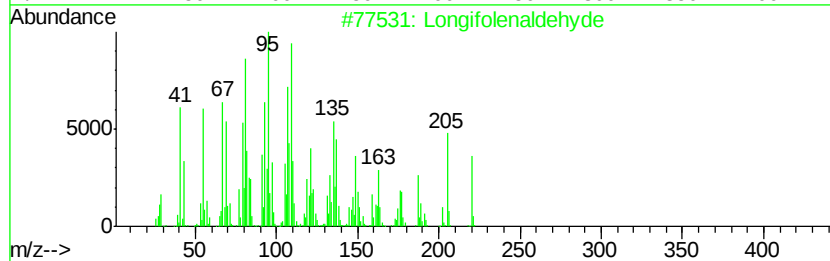
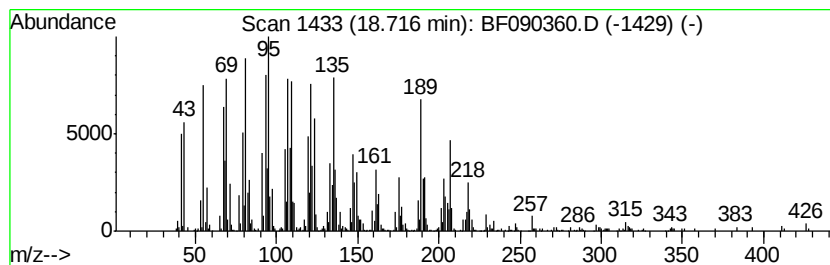
Instrument :
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ClientSampleId :
TS-WSG-16121-08

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Longifolenaldehyde Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.72	28.51 ng	1897110	Perylene-d12	15.71	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolenaldehyde	220	C15H24O	019890-84-7	64
2	(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	50
3	Caparratriene	206	C15H26	1000374-08-7	49
4	1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	015423-57-1	46
5	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090360.D
Acq On : 4 Oct 2016 23:39
Operator : UM/SJ
Sample : H4869-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-08

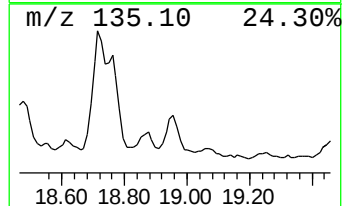
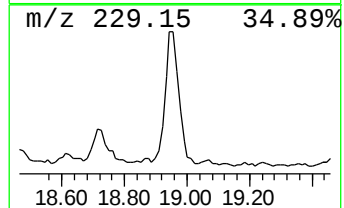
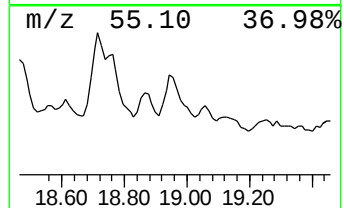
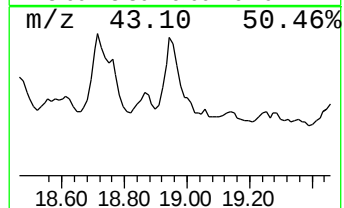
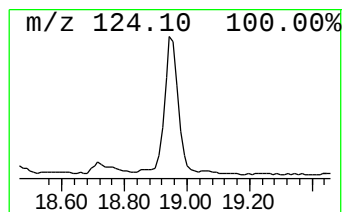
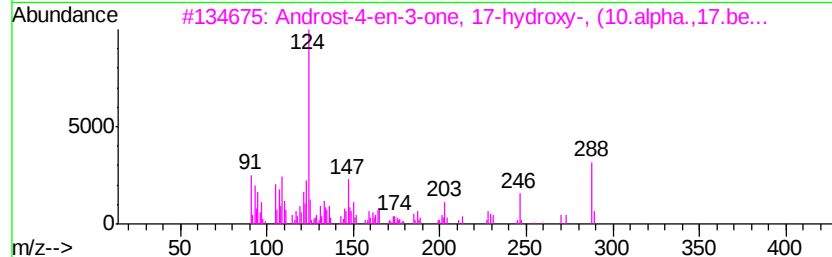
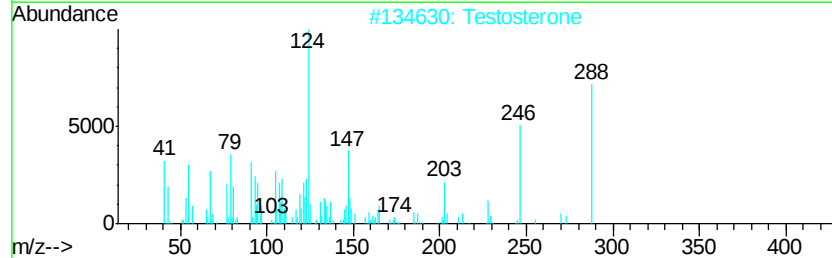
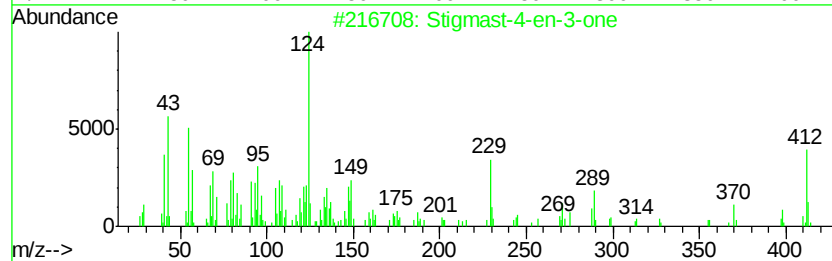
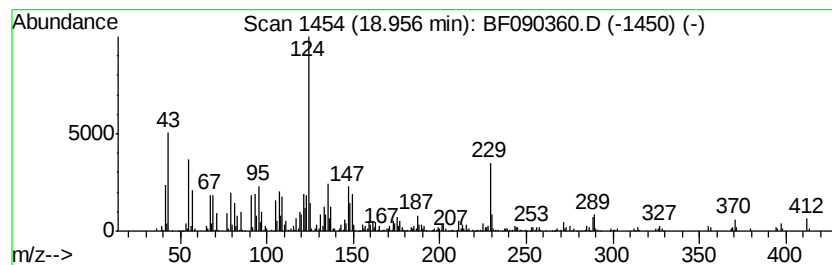
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Stigmast-4-en-3-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	15.25 ng	1014900	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	76
2		Testosterone	288	C19H28O2	000058-22-0	64
3		Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	62
4		Pregn-4-ene-3,20-dione, (9.beta....	314	C21H30O2	002755-10-4	47
5		2,3-Diaminophenol	124	C6H8N2O	059649-56-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090360.D
 Acq On : 4 Oct 2016 23:39
 Operator : UM/SJ
 Sample : H4869-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-08

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.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-Pentanone, 4-hy...	5.22	21.9	ng	1700120	1	7.01	1554900	20.0
unknown6.78	6.78	96.1	ng	7469500	1	7.01	1554900	20.0
n-Pentadecanol	11.77	10.8	ng	977206	4	11.55	1815330	20.0
n-Hexadecanoic acid	12.08	21.7	ng	1970370	4	11.55	1815330	20.0
3-Hexadecene, (Z)-	12.59	30.7	ng	2788850	4	11.55	1815330	20.0
10,18-Bisnorabiet...	12.81	20.6	ng	1870000	4	11.55	1815330	20.0
Octadecanoic acid	12.86	13.4	ng	1215550	4	11.55	1815330	20.0
Dehydroabietic acid	14.01	23.0	ng	4710910	5	14.20	4097990	20.0
Tetracosane	15.36	46.6	ng	3098260	6	15.71	1330680	20.0
1-Isopropenyl-4,5...	15.63	24.3	ng	1619380	6	15.71	1330680	20.0
10-Nonadecanol	16.26	30.1	ng	2003710	6	15.71	1330680	20.0
Cholestan-3-ol, (...)	16.45	10.8	ng	718720	6	15.71	1330680	20.0
.beta.-Sitosterol	17.87	38.1	ng	2537460	6	15.71	1330680	20.0
unknown17.96	17.96	12.8	ng	850990	6	15.71	1330680	20.0
1,4-Dimethyl-8-is...	18.21	17.4	ng	1157230	6	15.71	1330680	20.0
.beta.-Amyrin	18.35	15.3	ng	1016290	6	15.71	1330680	20.0
(-)-Isolongifolol...	18.46	17.1	ng	1136070	6	15.71	1330680	20.0
Longifolenaldehyde	18.72	28.5	ng	1897110	6	15.71	1330680	20.0
Stigmast-4-en-3-one	18.96	15.3	ng	1014900	6	15.71	1330680	20.0