

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090357.D
 Acq On : 4 Oct 2016 22:17
 Operator : UM/SJ
 Sample : H4869-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-01

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	5.205	248	251	254	rBV	865861	1210543	19.72%	0.966%
2	5.617	284	287	289	rBV	5856888	5433225	88.50%	4.338%
3	5.823	303	305	311	rVB2	192325	331176	5.39%	0.264%
4	6.463	359	361	363	rVB2	188701	186564	3.04%	0.149%
5	6.577	366	371	373	rBV3	59966	148815	2.42%	0.119%
6	6.623	373	375	378	rVV	3806295	5060156	82.42%	4.040%
7	6.771	386	388	391	rVV	4313424	5217348	84.98%	4.165%
8	7.011	406	409	411	rBV	1628472	1347033	21.94%	1.075%
9	7.091	412	416	418	rBV2	137603	204365	3.33%	0.163%
10	7.126	418	419	421	rVV	129985	185408	3.02%	0.148%
11	7.171	421	423	425	rVB	4070763	4088404	66.59%	3.264%
12	7.411	442	444	446	rVB	1143989	916440	14.93%	0.732%
13	7.571	454	458	460	rBV2	3672310	4272550	69.59%	3.411%
14	7.651	463	465	469	rVB2	136682	152932	2.49%	0.122%
15	7.789	474	477	485	rVB2	85535	206005	3.36%	0.164%
16	8.291	519	521	524	rBV	1089221	1558287	25.38%	1.244%
17	9.377	613	616	618	rVV	5215381	4672569	76.11%	3.730%
18	9.503	624	627	631	rVB4	65120	156955	2.56%	0.125%
19	9.720	642	646	648	rBV	271705	373344	6.08%	0.298%
20	9.766	648	650	652	rVV	2112481	1731121	28.20%	1.382%
21	9.983	666	669	672	rVB2	84630	165365	2.69%	0.132%
22	10.052	673	675	677	rVV	1337328	1634335	26.62%	1.305%
23	10.177	684	686	688	rBV2	136393	161720	2.63%	0.129%
24	10.737	733	735	736	rVB	206239	167963	2.74%	0.134%
25	10.840	742	744	746	rVV2	2493104	2853448	46.48%	2.278%
26	10.977	753	756	759	rBV2	376012	600462	9.78%	0.479%
27	11.023	759	760	762	rBV	370069	440309	7.17%	0.352%
28	11.057	762	763	765	rVB2	400707	422105	6.88%	0.337%
29	11.092	765	766	767	rBV	508786	388878	6.33%	0.310%
30	11.115	767	768	770	rVB	201456	188264	3.07%	0.150%
31	11.160	770	772	774	rBV2	190110	352273	5.74%	0.281%
32	11.206	774	776	778	rVB2	486939	520096	8.47%	0.415%
33	11.240	778	779	782	rBV2	368760	551474	8.98%	0.440%
34	11.286	782	783	784	rBV	253043	191217	3.11%	0.153%

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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
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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	11.412	792	794	798	rBV2	158587	251022	4.09%	0.200%
36	11.549	803	806	807	rBV	1792047	1653669	26.94%	1.320%
37	11.572	807	808	810	rVV2	132049	145241	2.37%	0.116%
38	11.720	820	821	824	rBV	114344	161341	2.63%	0.129%
39	11.766	824	825	829	rVB2	192550	200645	3.27%	0.160%
40	11.835	829	831	834	rVB2	148661	193762	3.16%	0.155%
41	11.960	839	842	844	rVB	299619	316877	5.16%	0.253%
42	12.006	844	846	848	rBV	265189	458896	7.47%	0.366%
43	12.075	850	852	855	rBV	1539482	1543323	25.14%	1.232%
44	12.246	866	867	870	rBV3	190324	255159	4.16%	0.204%
45	12.498	887	889	891	rVV2	298065	305838	4.98%	0.244%
46	12.578	894	896	899	rBV2	105490	197539	3.22%	0.158%
47	12.646	899	902	904	rVB3	133702	291874	4.75%	0.233%
48	12.806	914	916	919	rVB	3670546	4554261	74.18%	3.636%
49	12.863	919	921	926	rBV	1249430	1363442	22.21%	1.088%
50	13.012	931	934	937	rBV2	222254	360429	5.87%	0.288%
51	13.069	937	939	941	rBV	185498	297690	4.85%	0.238%
52	13.138	943	945	947	rBV	5018702	4342328	70.73%	3.467%
53	13.378	964	966	968	rBV2	221945	422721	6.89%	0.337%
54	13.446	971	972	975	rVB3	156956	191258	3.12%	0.153%
55	13.503	975	977	978	rBV2	157361	233459	3.80%	0.186%
56	13.526	978	979	980	rVV	261961	257555	4.20%	0.206%
57	13.572	981	983	984	rVV2	803837	852092	13.88%	0.680%
58	13.652	988	990	991	rVV	407715	506408	8.25%	0.404%
59	13.686	991	993	994	rVV	369479	460942	7.51%	0.368%
60	13.709	994	995	997	rVV2	310682	456246	7.43%	0.364%
61	13.789	1000	1002	1004	rBV	401527	397666	6.48%	0.317%
62	13.881	1008	1010	1015	rVV2	1487121	2616387	42.62%	2.089%
63	14.006	1017	1021	1023	rVV2	4615435	6139415	100.00%	4.901%
64	14.041	1023	1024	1030	rVV	1216055	1571430	25.60%	1.255%
65	14.121	1030	1031	1034	rVV2	290407	389847	6.35%	0.311%
66	14.201	1034	1038	1040	rVV	1827921	3567077	58.10%	2.848%
67	14.258	1041	1043	1047	rVV	813974	1135767	18.50%	0.907%
68	14.372	1051	1053	1057	rVB3	382742	747591	12.18%	0.597%
69	14.669	1077	1079	1082	rBV	2348490	3396553	55.32%	2.712%
70	14.898	1097	1099	1102	rVB	208239	339904	5.54%	0.271%
71	14.989	1105	1107	1112	rVV2	212497	450053	7.33%	0.359%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	15.069	1112	1114	1117	rVB	344134	441579	7.19%	0.353%
73	15.355	1136	1139	1145	rBV	3179635	5089604	82.90%	4.063%
74	15.618	1160	1162	1166	rVB2	216324	331190	5.39%	0.264%
75	15.709	1167	1170	1172	rVV	1129030	1494572	24.34%	1.193%
76	15.755	1172	1174	1176	rVB	141103	202562	3.30%	0.162%
77	16.007	1193	1196	1200	rVB	559585	827313	13.48%	0.660%
78	16.212	1211	1214	1216	rBV	804963	1321860	21.53%	1.055%
79	16.258	1216	1218	1223	rVB	1665066	2555856	41.63%	2.040%
80	16.452	1231	1235	1237	rBV2	821716	1557731	25.37%	1.244%
81	16.669	1248	1254	1256	rBV2	421218	1068635	17.41%	0.853%
82	16.715	1256	1258	1259	rBV	110444	166611	2.71%	0.133%
83	17.058	1285	1288	1291	rVB	127963	253156	4.12%	0.202%
84	17.230	1300	1303	1304	rBV2	138651	289336	4.71%	0.231%
85	17.275	1305	1307	1312	rVB5	234757	627754	10.22%	0.501%
86	17.378	1313	1316	1318	rBV	232982	523752	8.53%	0.418%
87	17.435	1318	1321	1327	rVB5	240328	903942	14.72%	0.722%
88	17.618	1334	1337	1340	rVV4	410942	885039	14.42%	0.707%
89	17.675	1340	1342	1350	rVB	331173	927085	15.10%	0.740%
90	17.881	1355	1360	1363	rBV	1964492	5452559	88.81%	4.353%
91	17.972	1366	1368	1374	rVB3	592201	1354829	22.07%	1.082%
92	18.110	1376	1380	1385	rVB2	414050	1129790	18.40%	0.902%
93	18.212	1385	1389	1392	rBV3	508147	1335577	21.75%	1.066%
94	18.350	1398	1401	1408	rBV	633053	2071544	33.74%	1.654%
95	18.475	1408	1412	1417	rVB3	496104	1502564	24.47%	1.200%
96	18.715	1429	1433	1435	rBV2	715145	1961266	31.95%	1.566%
97	18.875	1443	1447	1450	rBV2	481104	1355944	22.09%	1.082%
98	18.955	1450	1454	1461	rVB2	603367	1906706	31.06%	1.522%
99	19.241	1476	1479	1482	rBV3	125763	338706	5.52%	0.270%
100	19.527	1501	1504	1505	rBV	136543	266895	4.35%	0.213%

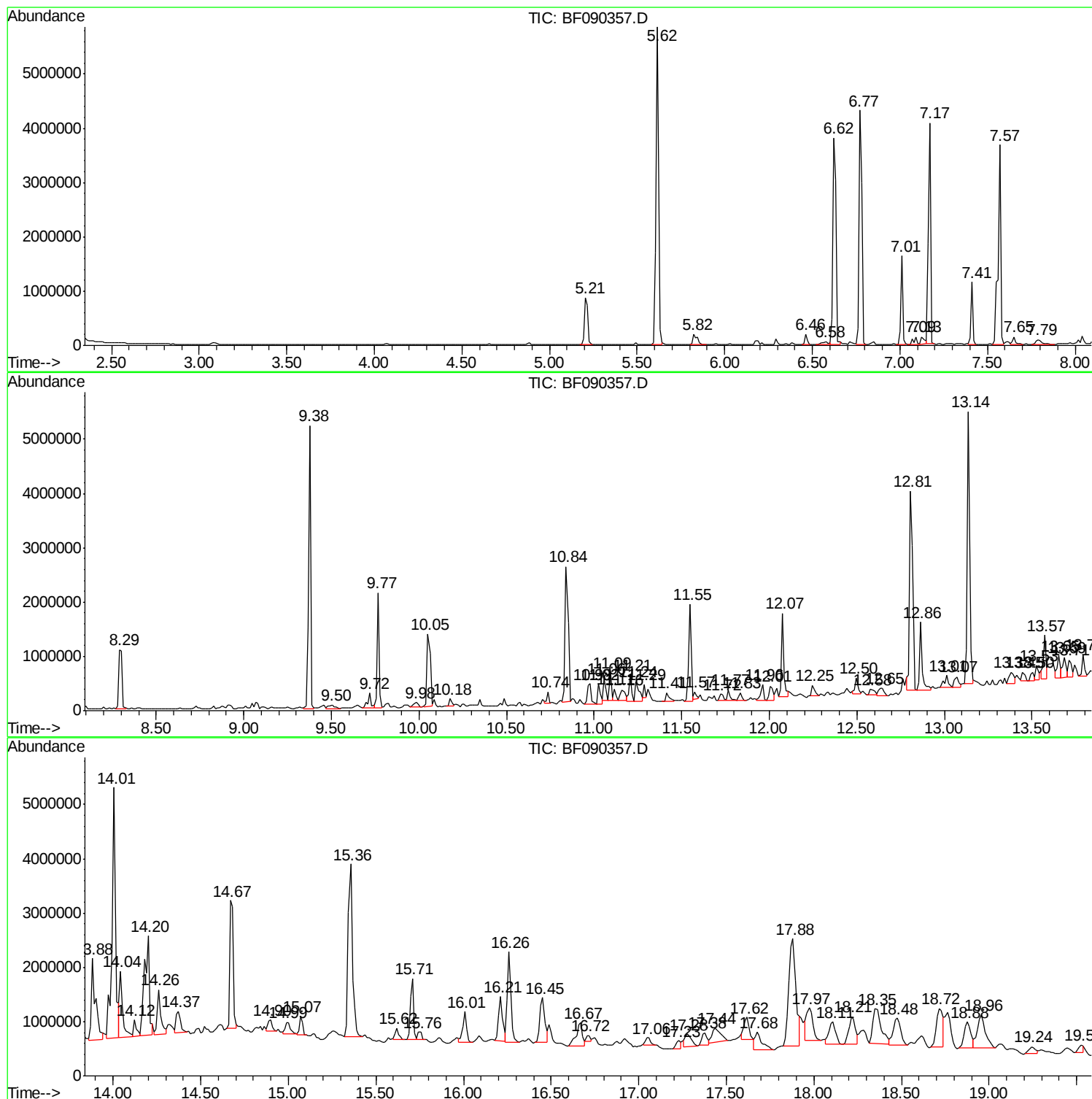
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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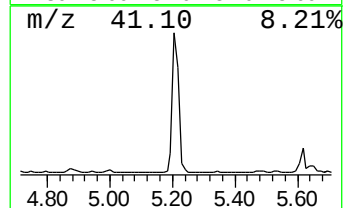
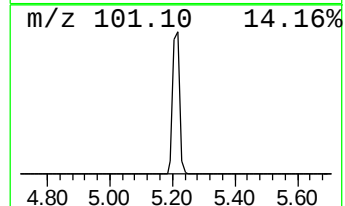
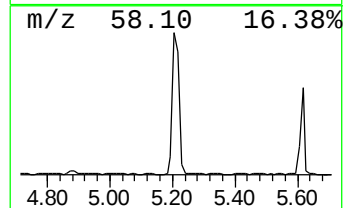
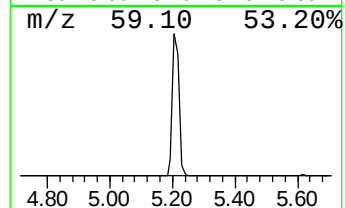
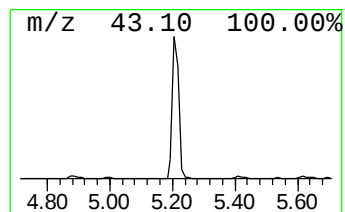
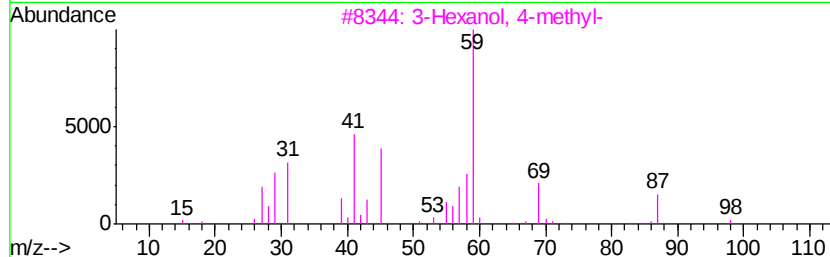
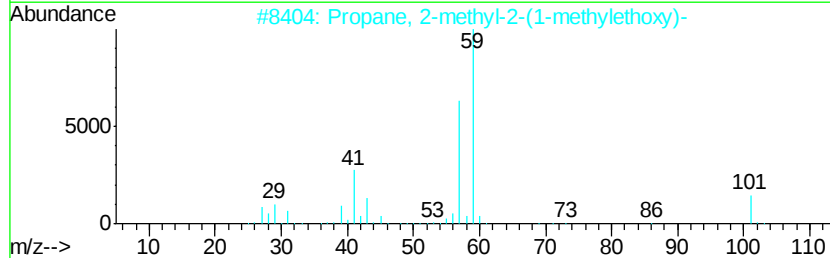
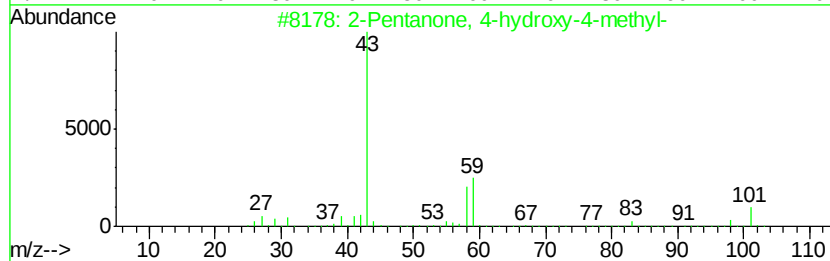
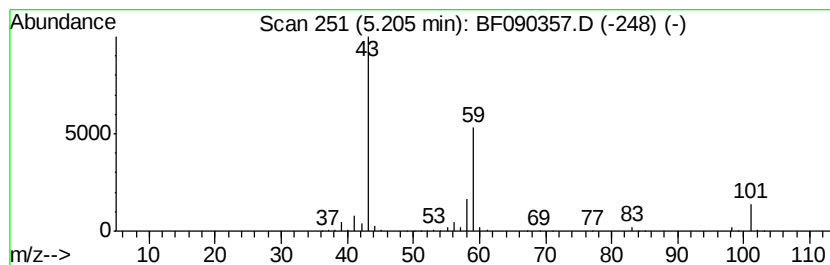
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	17.97 ng	1210540	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	59	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36	
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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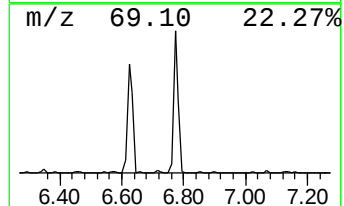
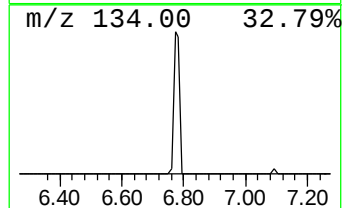
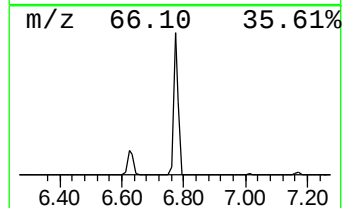
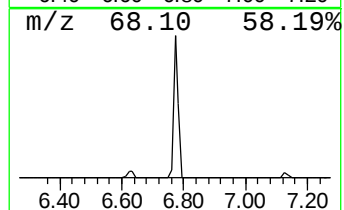
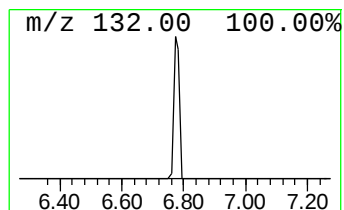
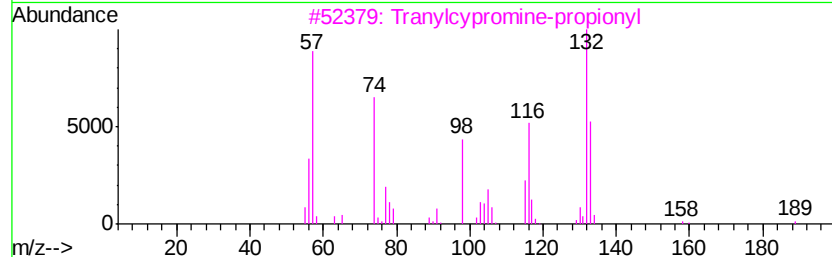
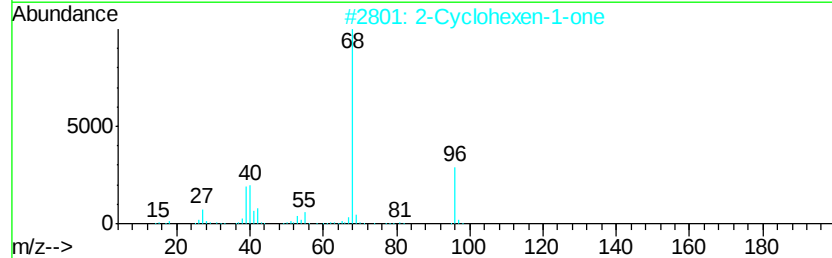
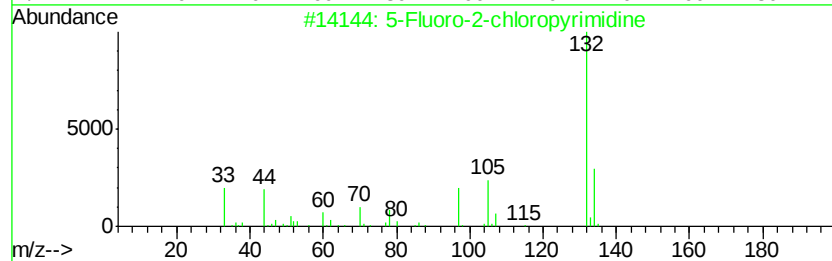
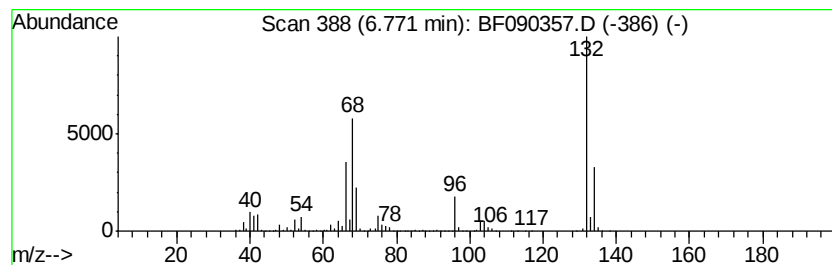
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.77 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	77.46 ng	5217350	1,4-Dichlorobenzene-d4	7.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Aminoindole	132	C8H8N2	005192-03-0	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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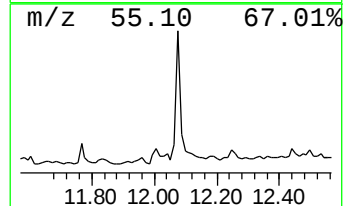
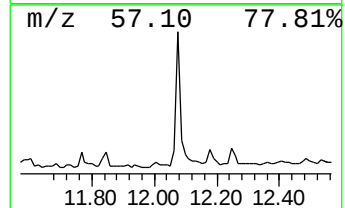
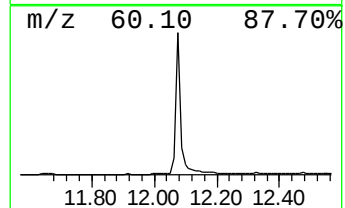
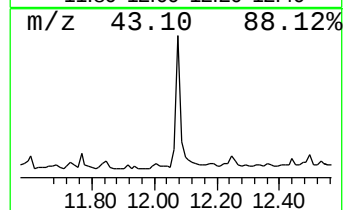
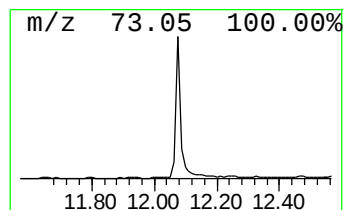
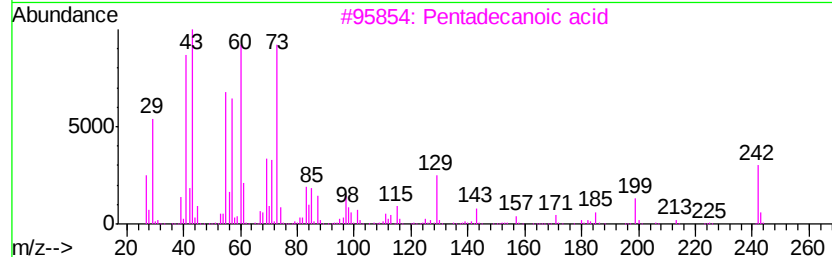
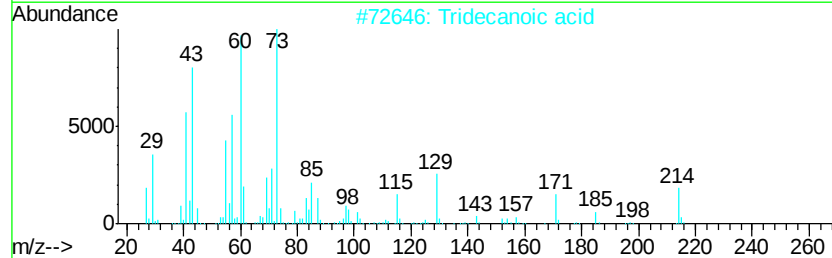
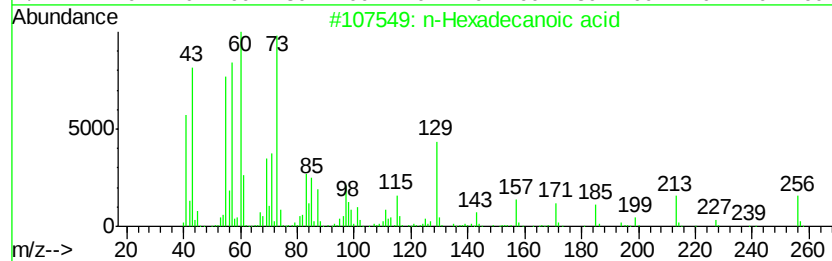
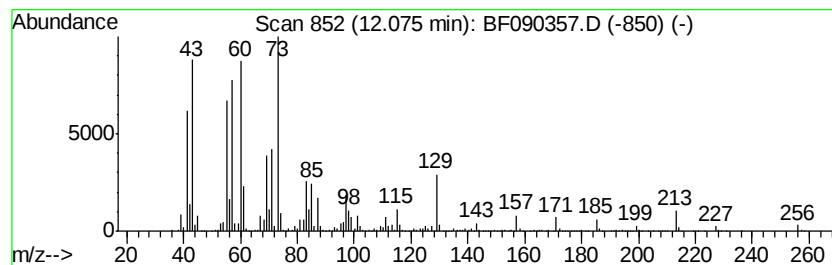
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	18.67 ng	1543320	Phenanthrene-d10	11.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	80
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4			Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	20
5			Oxalic acid, cyclobutyl tetradec...	340	C20H36O4	1000309-70-9	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TS-WSG-16121-01

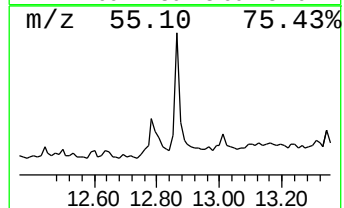
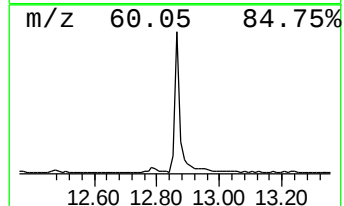
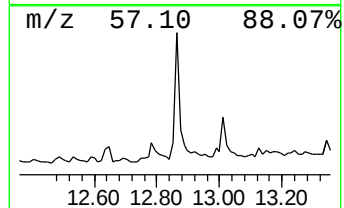
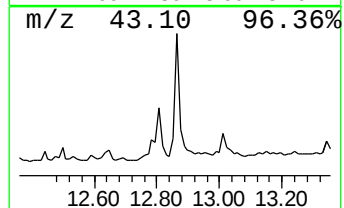
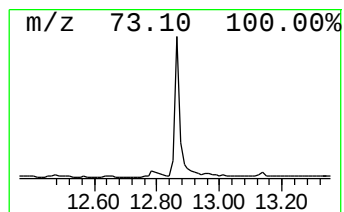
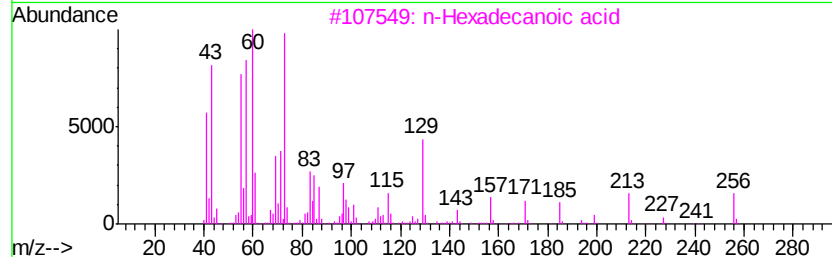
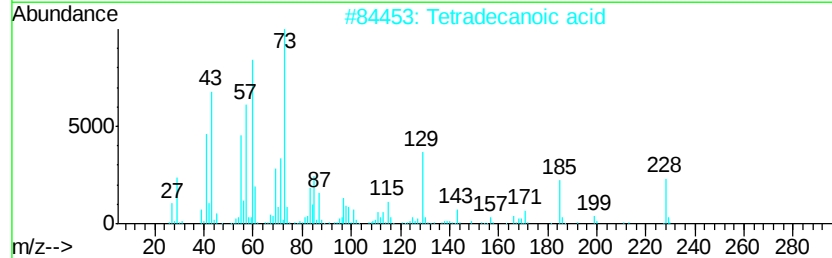
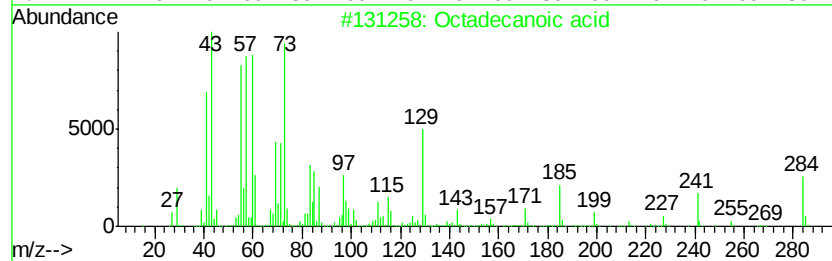
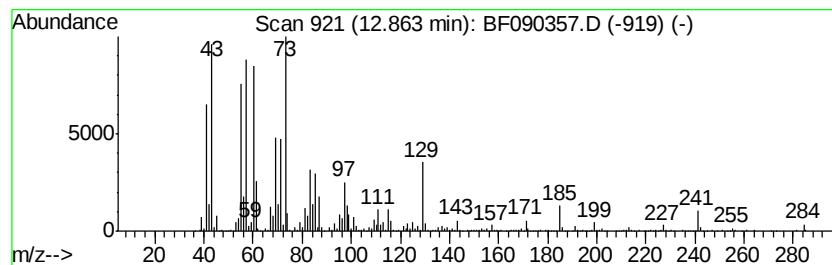
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	16.49 ng	1363440	Phenanthrene-d10	11.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	60
5		Undecanoic acid, 10-bromo-	264	C11H21BrO2	018294-93-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
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Misc :
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Instrument :
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ClientSampleId :
TS-WSG-16121-01

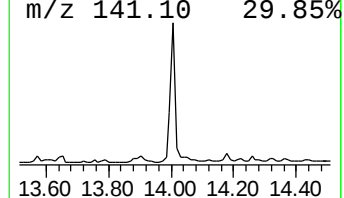
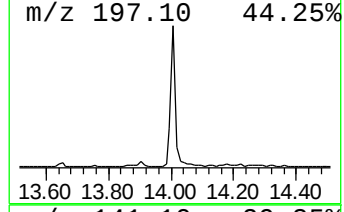
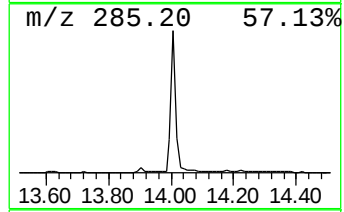
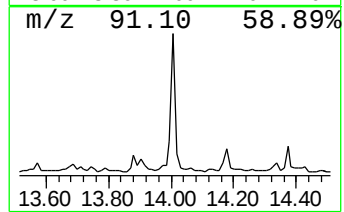
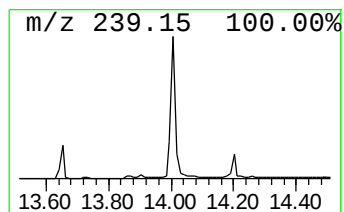
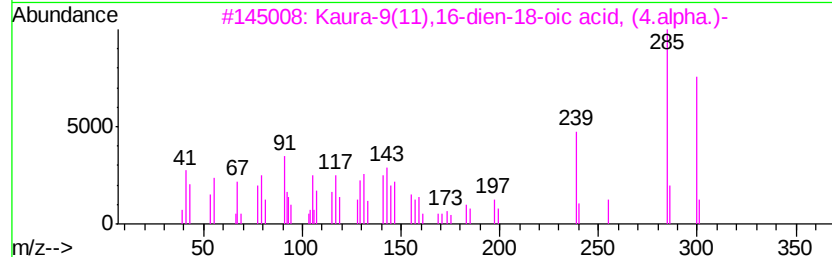
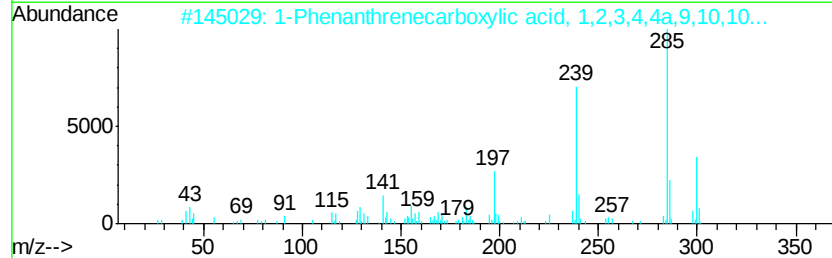
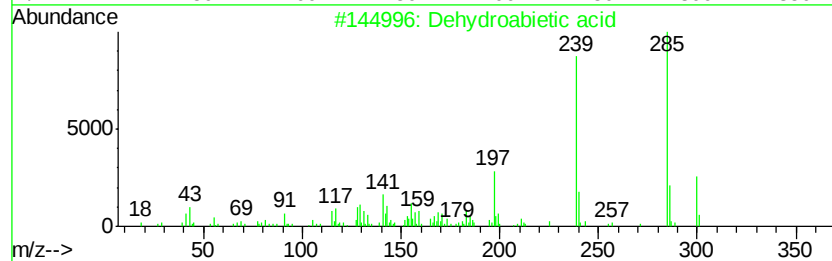
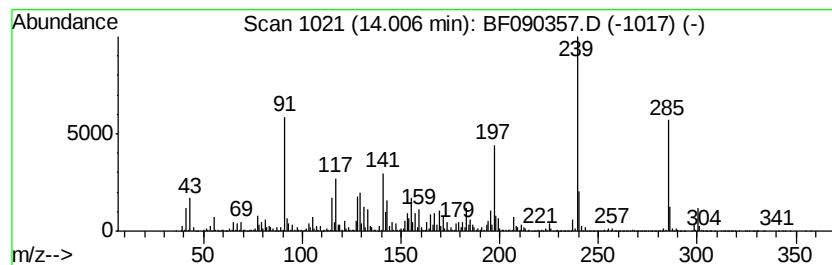
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dehydroabietic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	34.42 ng	6139420	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	81
3		Kaura-9(11),16-dien-18-oic acid,...	300	C20H28O2	022338-67-6	64
4		Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3N03	000391-02-6	46
5		3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3N03	023851-84-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
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TS-WSG-16121-01

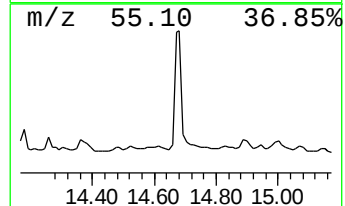
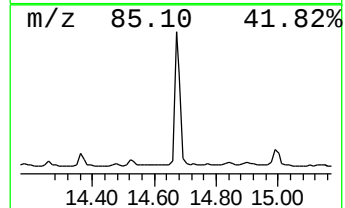
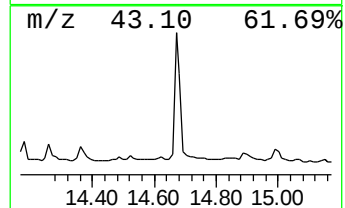
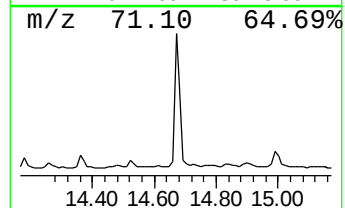
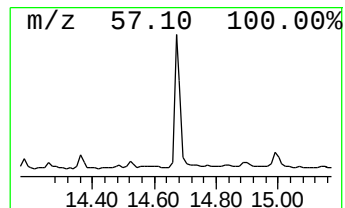
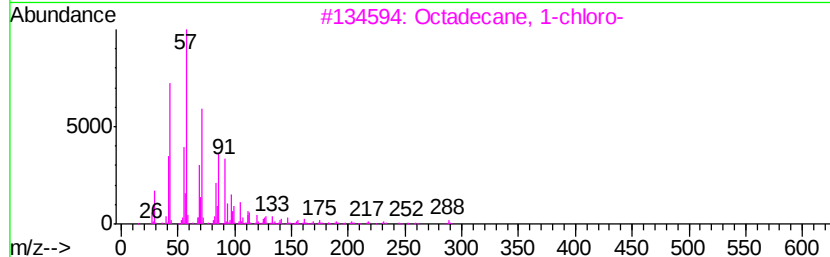
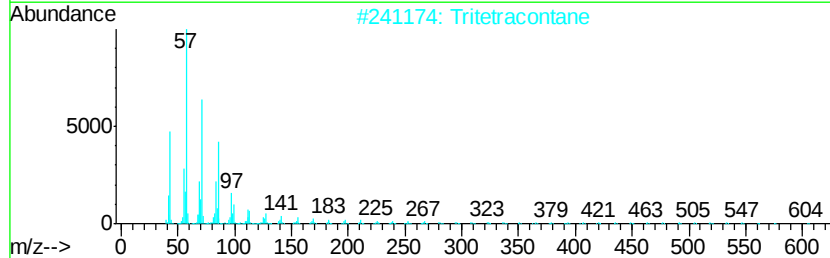
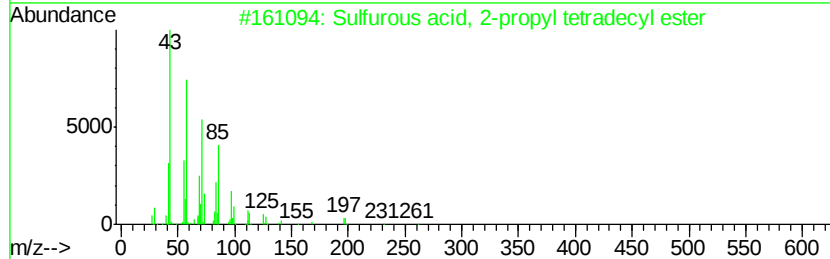
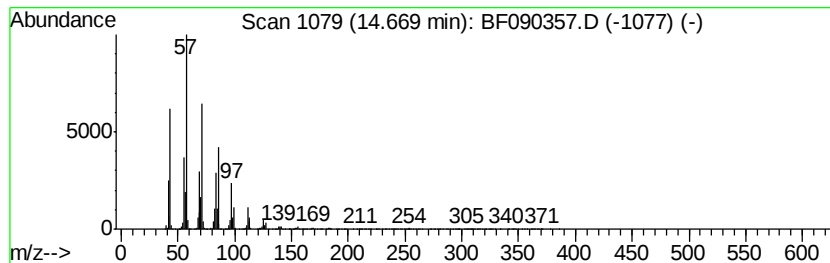
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Sulfurous acid, 2-propyl te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	19.04 ng	3396550	Chrysene-d12	14.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	90
2		Tritetracontane	605	C43H88	007098-21-7	86
3		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	80
4		Nonadecane	268	C19H40	000629-92-5	64
5		Hexadecane	226	C16H34	000544-76-3	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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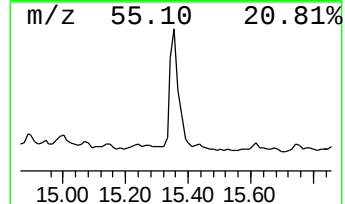
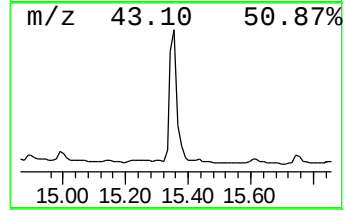
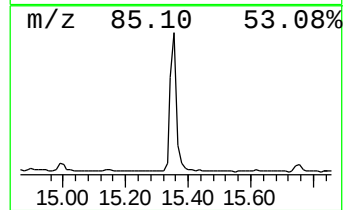
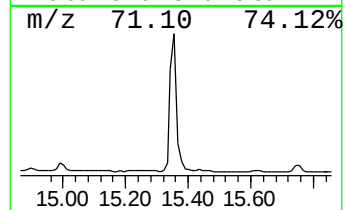
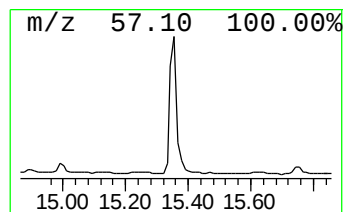
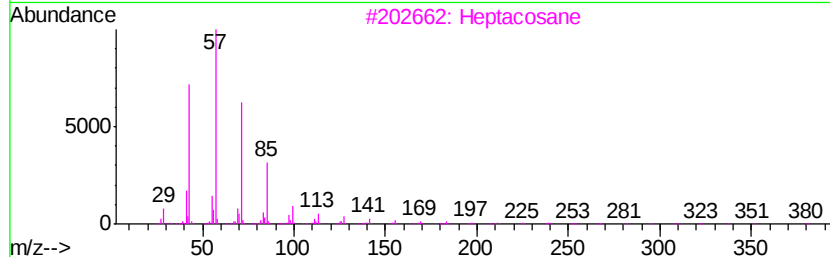
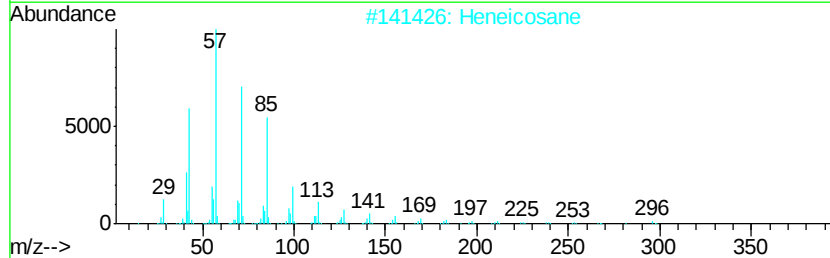
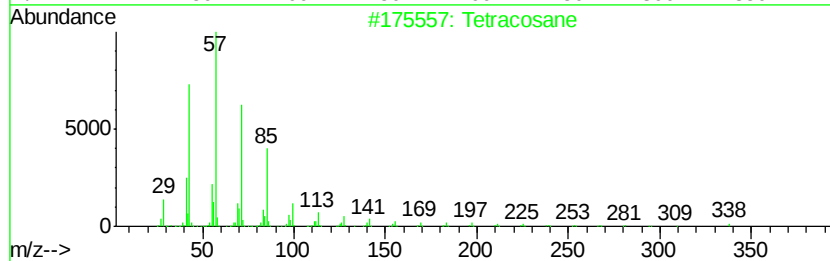
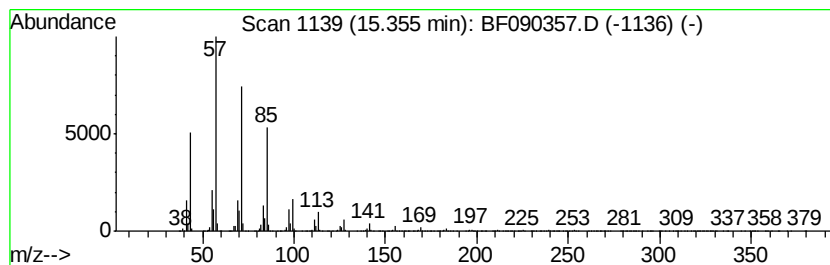
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	68.11 ng	5089600	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	90
2		Heneicosane	296	C21H44	000629-94-7	90
3		Heptacosane	380	C27H56	000593-49-7	87
4		Octacosane	394	C28H58	000630-02-4	86
5		Pentadecane	212	C15H32	000629-62-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-01

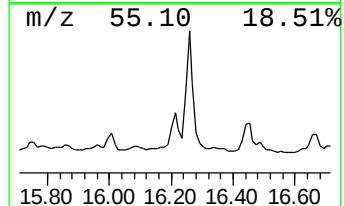
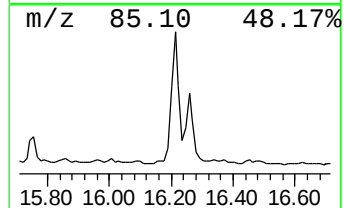
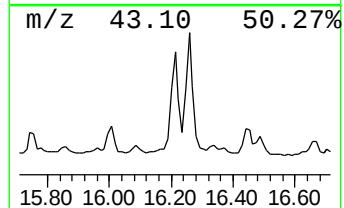
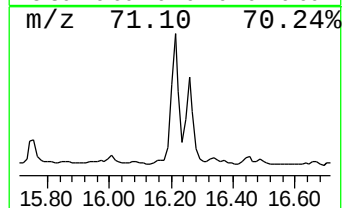
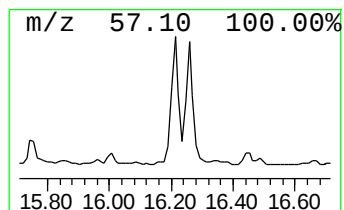
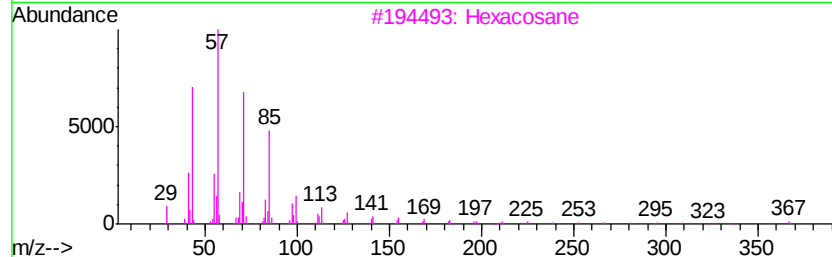
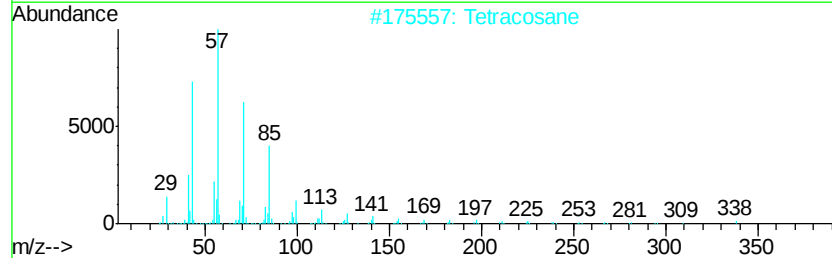
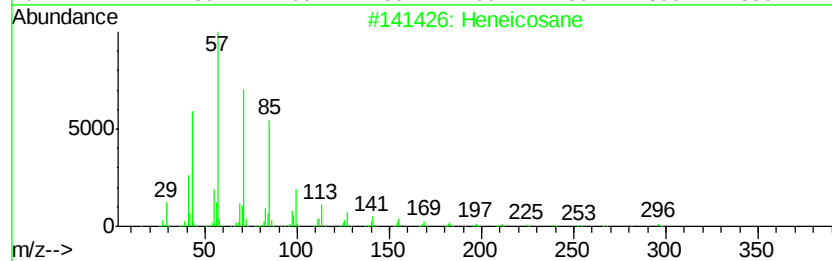
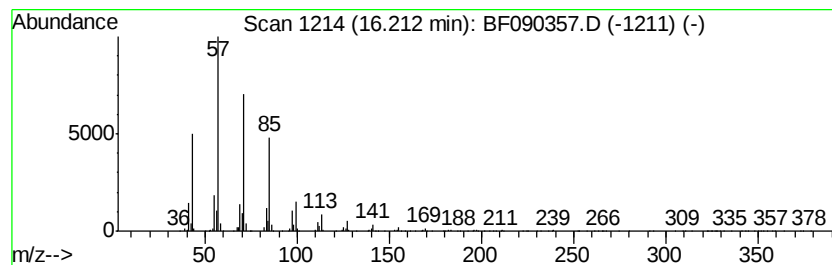
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	17.69 ng	1321860	Perylene-d12	15.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	91
2	Tetracosane		338	C24H50	000646-31-1	90
3	Hexacosane		366	C26H54	000630-01-3	90
4	2-Bromo dodecane		248	C12H25Br	013187-99-0	86
5	Heptacosane		380	C27H56	000593-49-7	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
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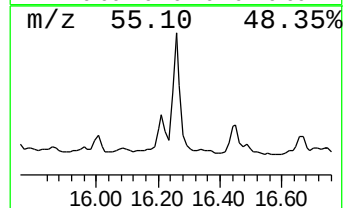
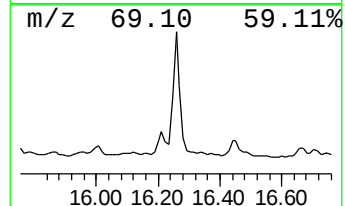
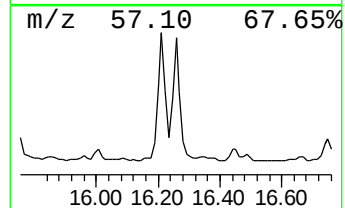
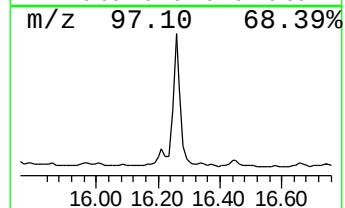
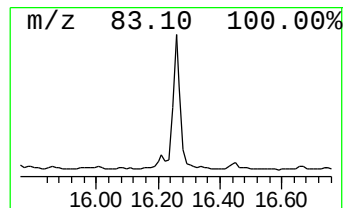
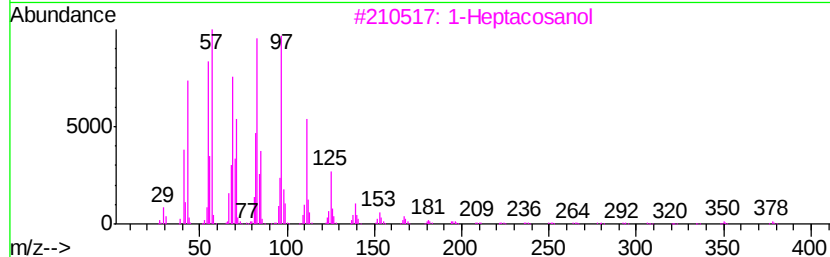
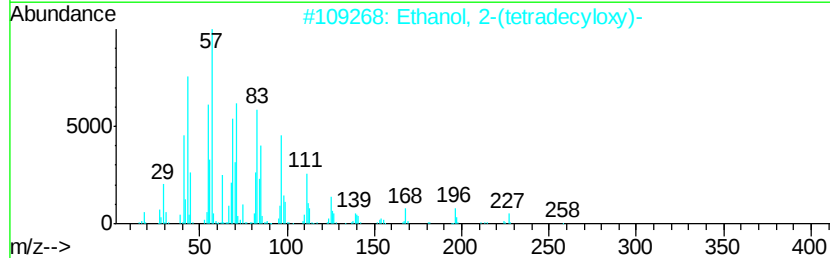
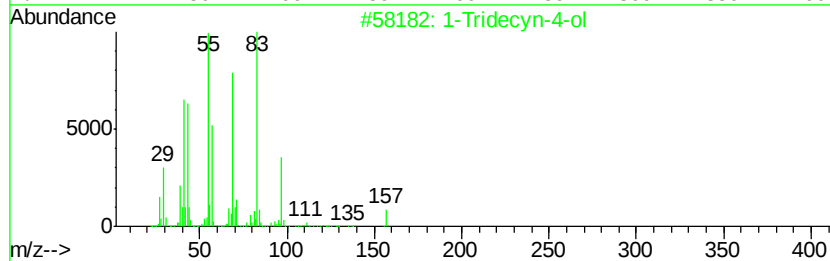
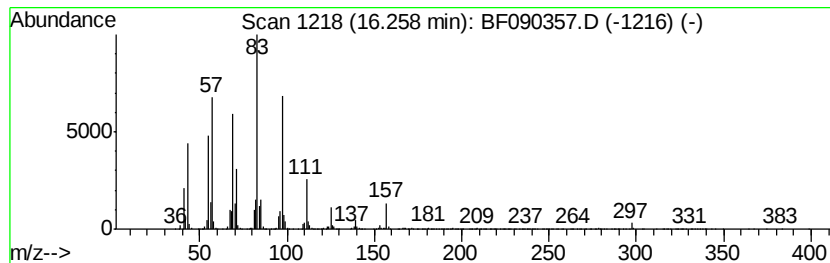
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown16.26 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	34.20 ng	2555860	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Tridecyn-4-ol	196	C13H24O	074646-37-0	47
2		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	38
3		1-Heptacosanol	396	C27H56O	002004-39-9	38
4		1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	38
5		Cyclohexane, (2-bromoethyl)-	190	C8H15Br	001647-26-3	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
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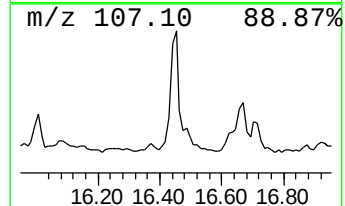
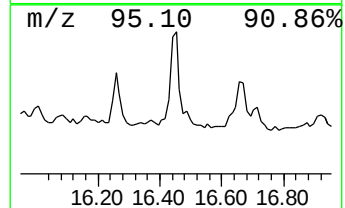
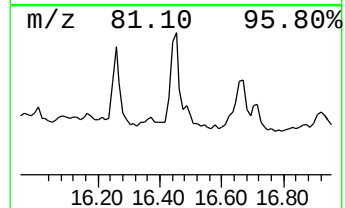
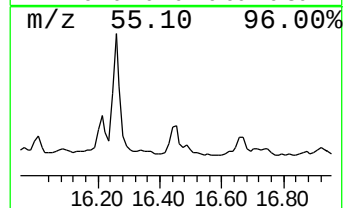
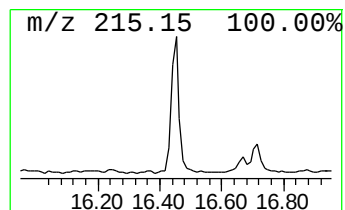
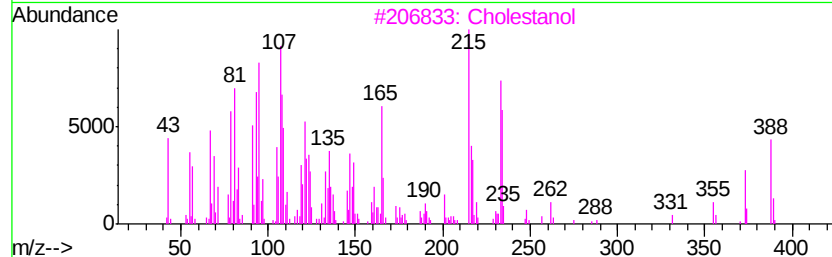
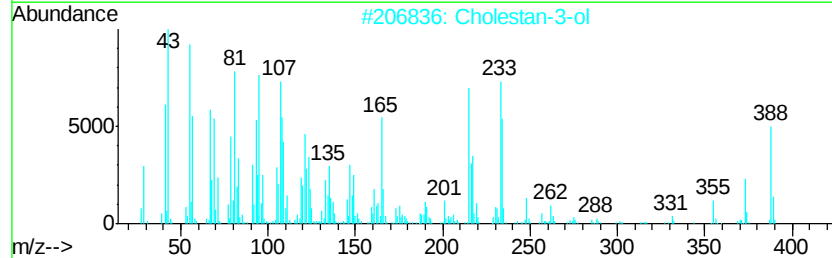
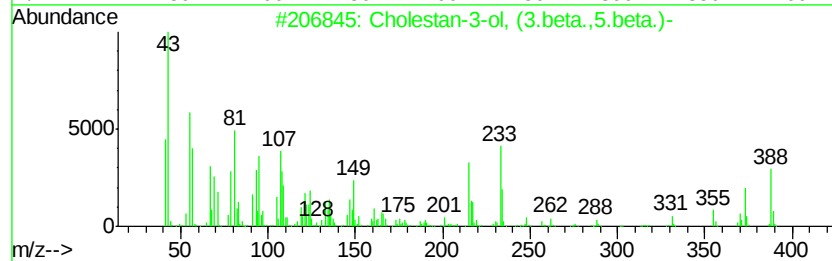
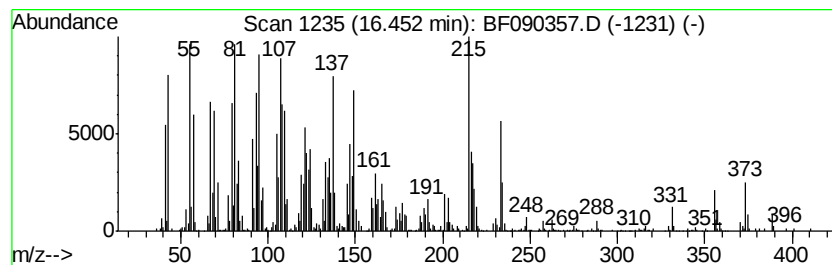
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cholestan-3-ol, (3.beta.,5.... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	20.85 ng	1557730	Perylene-d12	15.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	91
2			Cholestan-3-ol	388	C27H48O	027409-41-2	78
3			Cholestanol	388	C27H48O	000080-97-7	62
4			7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	43
5			5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-01

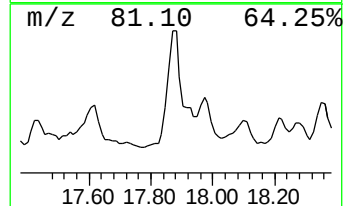
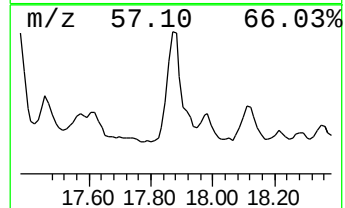
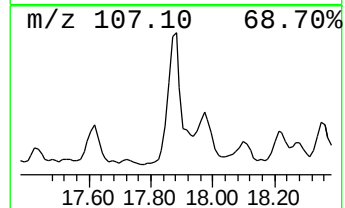
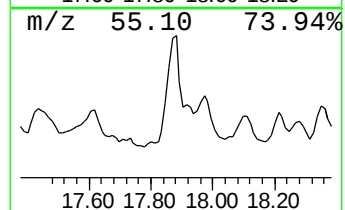
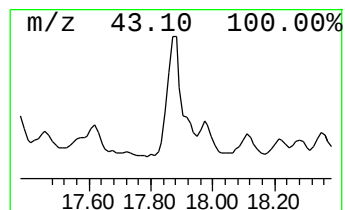
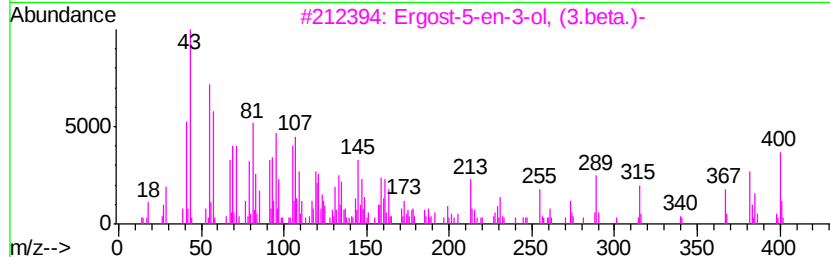
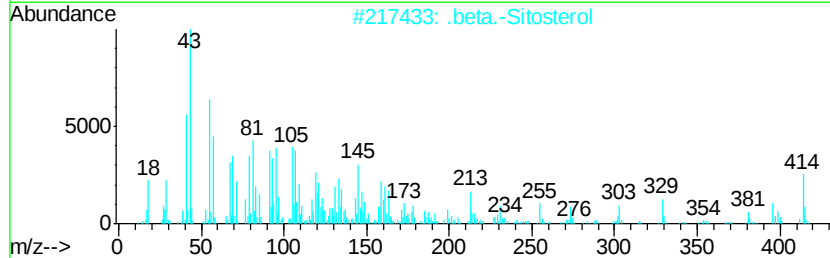
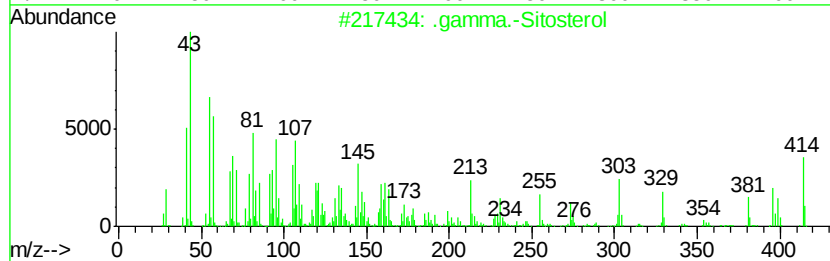
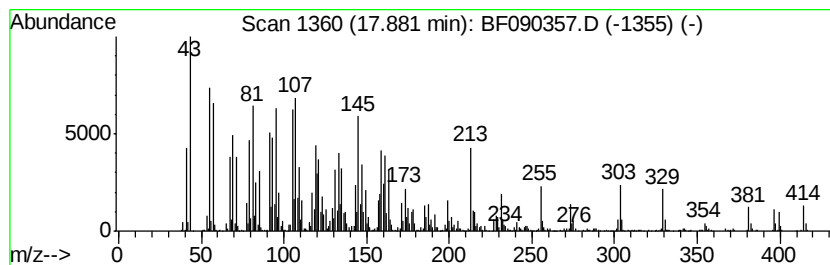
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	72.96 ng	5452560	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	94
3		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	87
4		Campesterol	400	C28H48O	000474-62-4	47
5		Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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Sample : H4869-01
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ClientSampleId :
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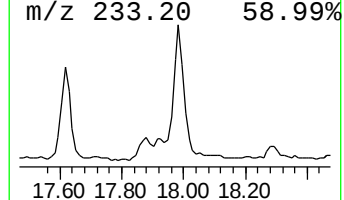
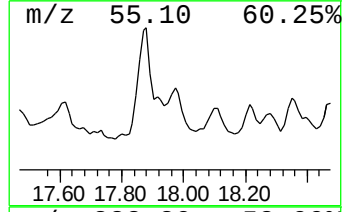
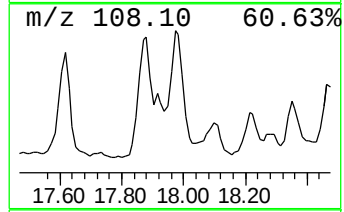
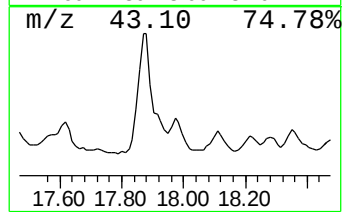
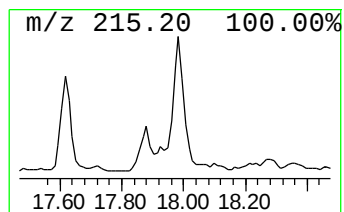
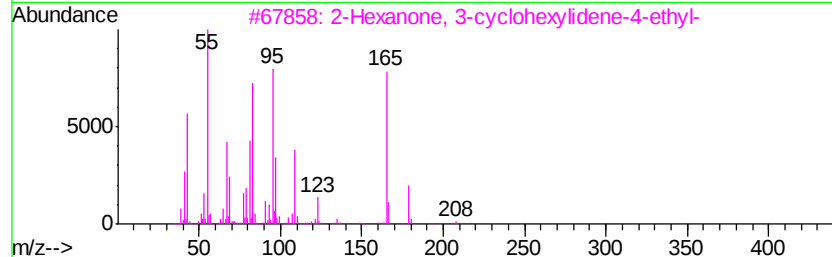
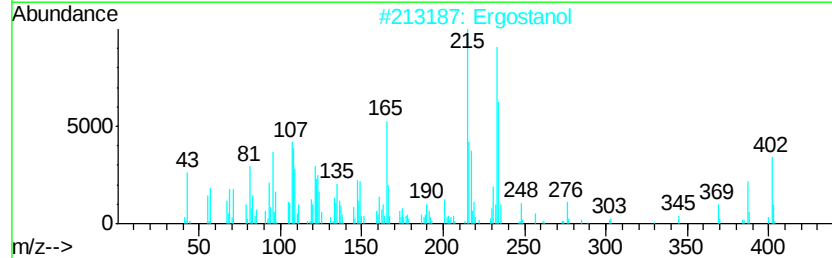
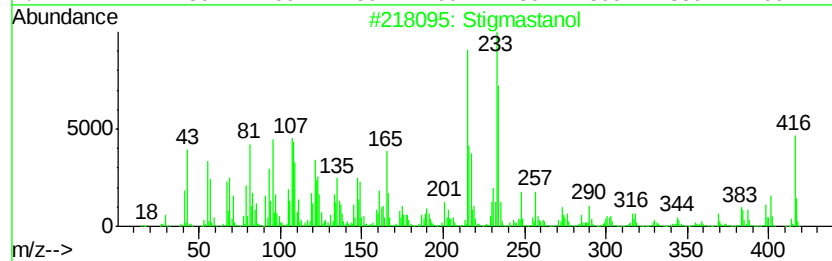
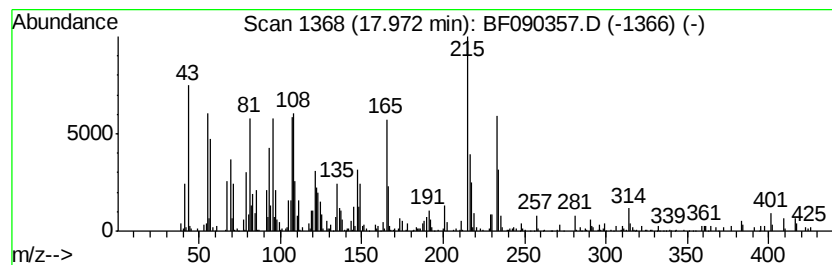
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Stigmastanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	18.13 ng	1354830	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmastanol	416	C29H52O	019466-47-8	58
2		Ergostanol	402	C28H50O	006538-02-9	32
3		2-Hexanone, 3-cyclohexylidene-4-...	208	C14H24O	1000150-19-2	25
4		Acetic acid, 2-acetoxymethyl-6-(...	326	C14H18N2O7	1000193-14-0	12
5		Malonic acid, mononitrile, monot...	234	C10H10N4OS	144870-66-6	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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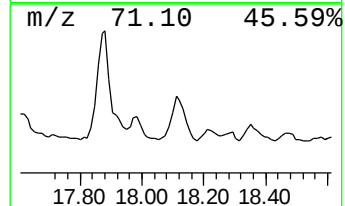
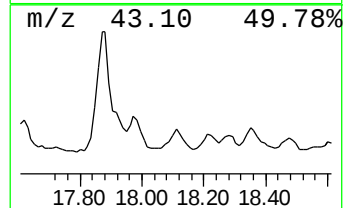
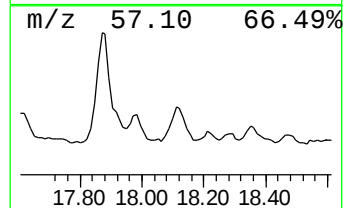
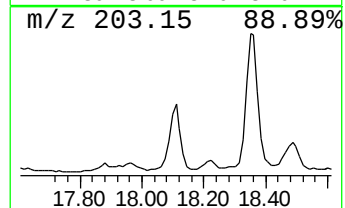
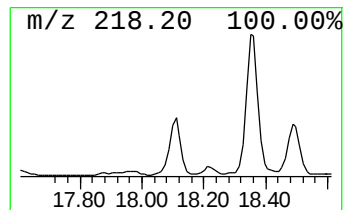
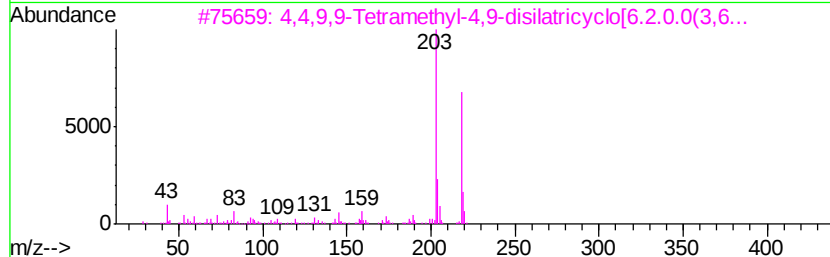
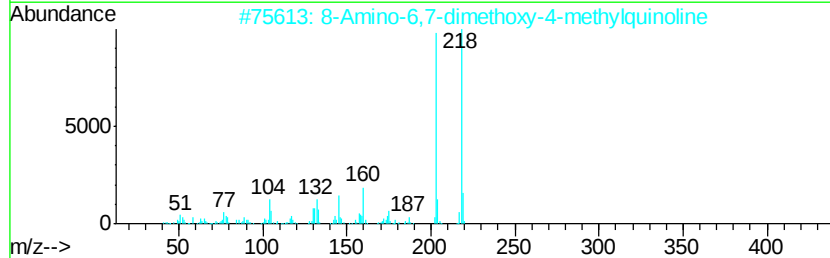
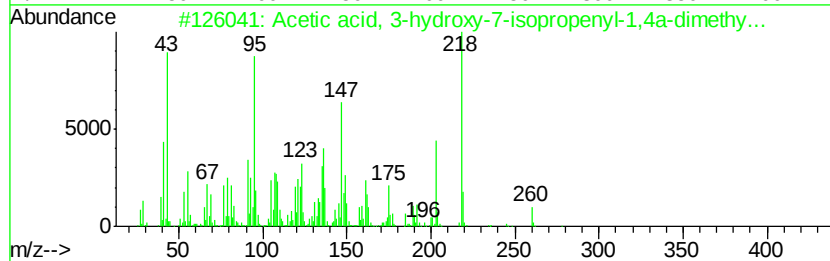
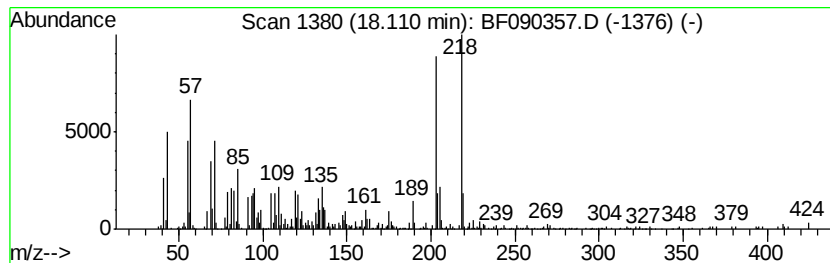
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown18.11 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	15.12 ng	1129790	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Acetic acid, 3-hydroxy-7-isoprop...	278	C17H26O3	1000187-37-6	42
2		8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	38
3		4,4,9,9-Tetramethyl-4,9-disilatr...	218	C12H18Si2	1000280-67-7	38
4		Pyrene, hexadecahydro-	218	C16H26	002435-85-0	38
5		5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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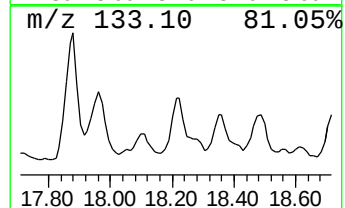
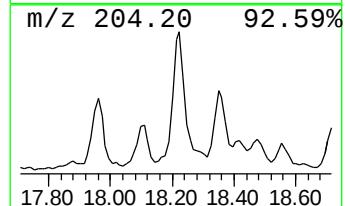
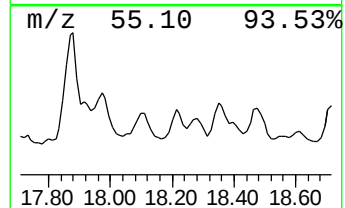
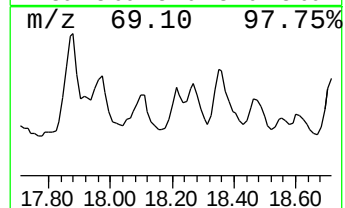
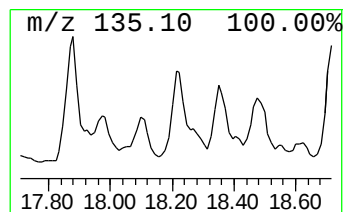
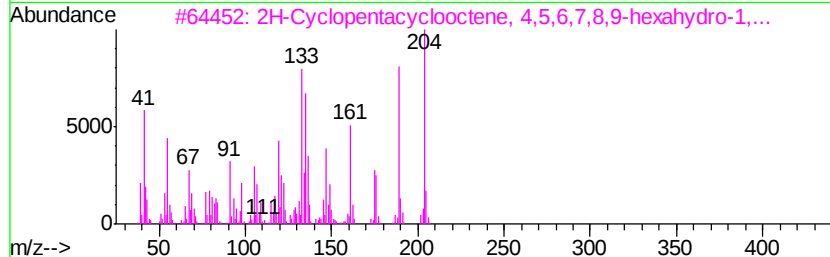
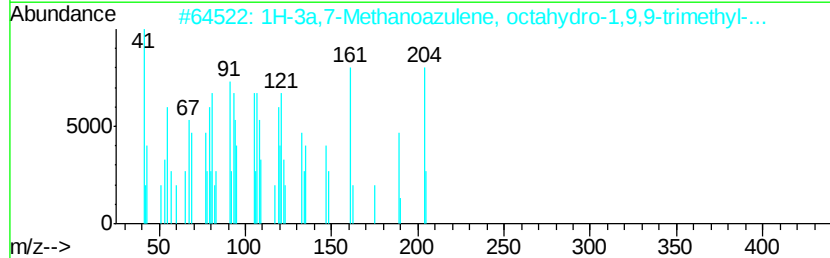
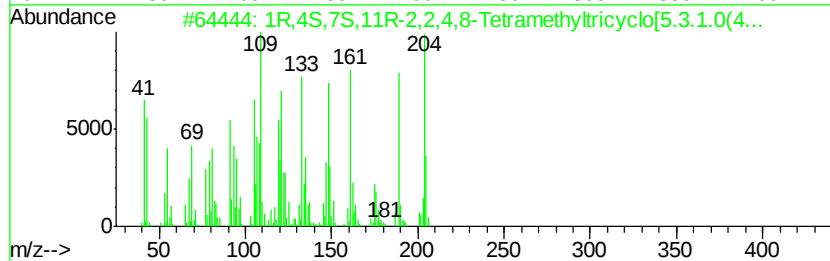
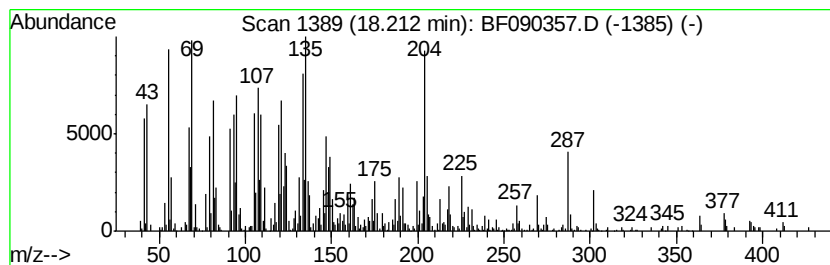
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1R,4S,7S,11R-2,2,4,8-Tetram... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	17.87 ng	1335580	Perylene-d12	15.71
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204 C15H24	1000140-07-6	58
2	1H-3a,7-Methanoazulene, octahydr...	204 C15H24	000508-55-4	50
3	2H-Cyclopentacyclooctene, 4,5,6,...	204 C15H24	1000221-85-8	43
4	1,4-Dimethyl-8-isopropylidenetri...	204 C15H24	1000140-07-7	42
5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204 C15H24	003691-11-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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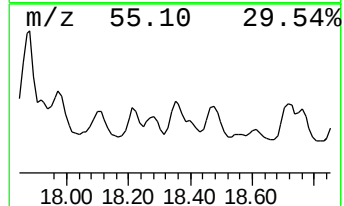
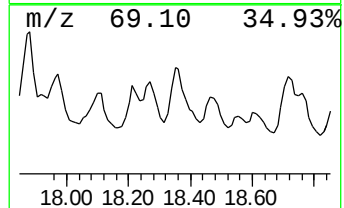
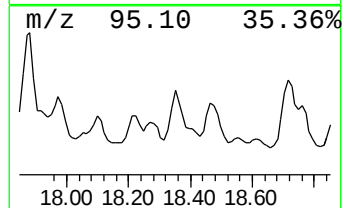
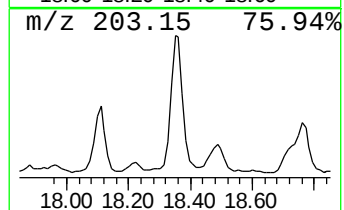
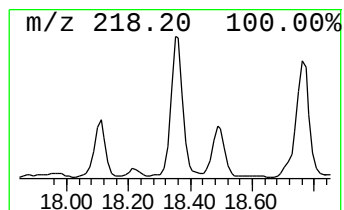
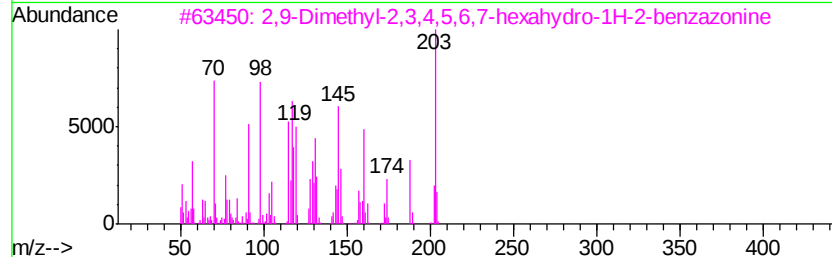
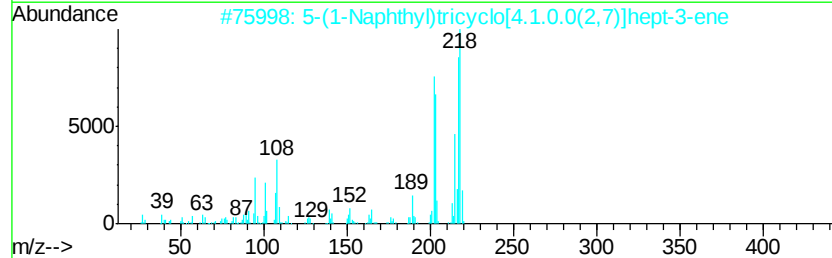
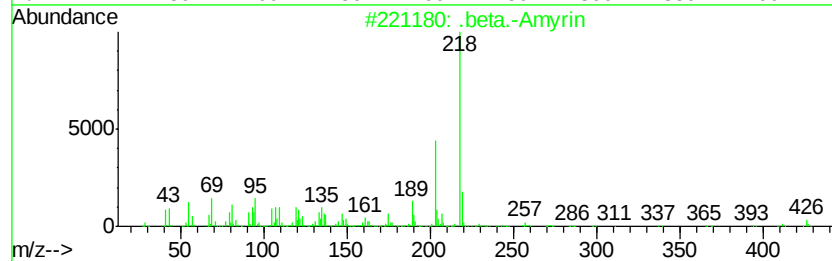
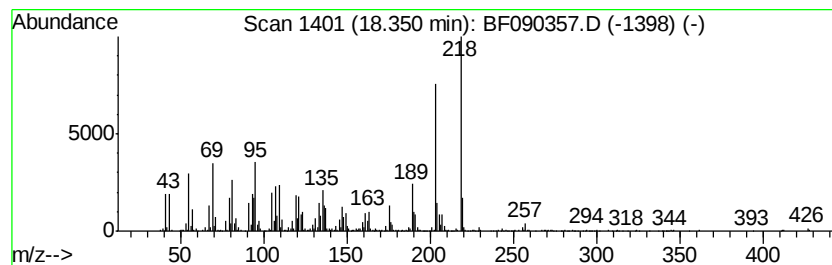
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 .beta.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	27.72 ng	2071540	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Amyrin	426	C30H50O	000559-70-6	74
2		5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	72
3		2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	53
4		3a-Methyl-3,3a-dihydropyrrolo[3,...	218	C11H10N2OS	017163-68-7	52
5		Pyrene, hexadecahydro-	218	C16H26	002435-85-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
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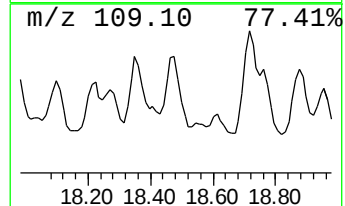
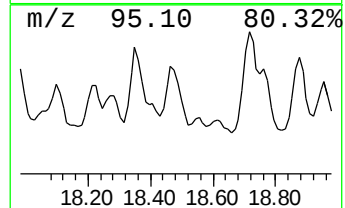
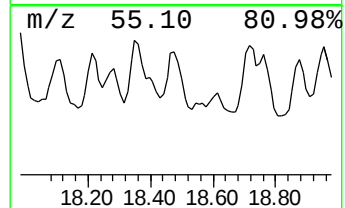
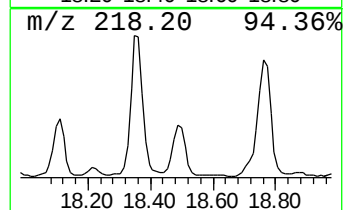
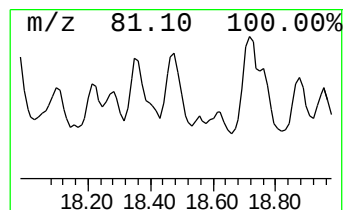
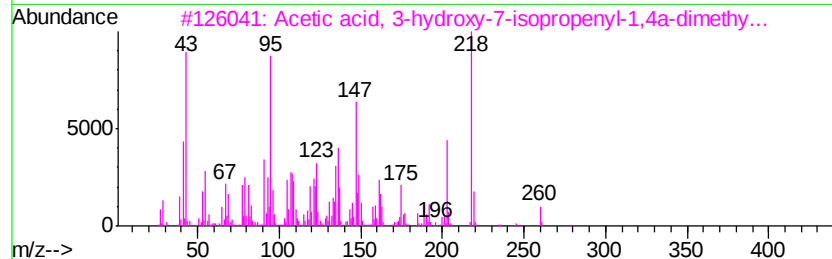
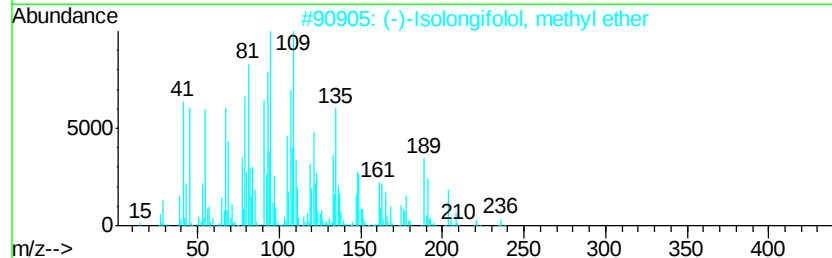
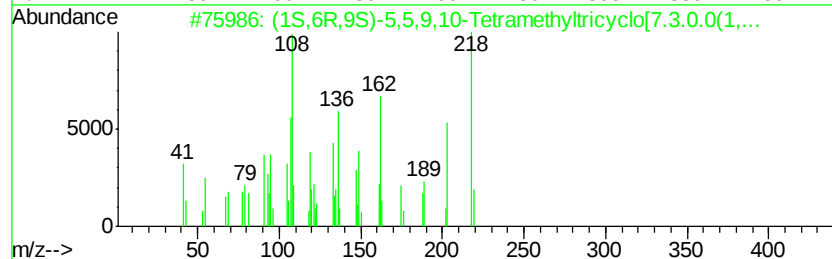
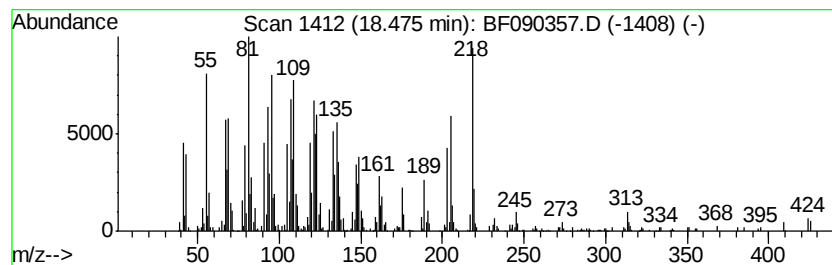
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown18.48 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	20.11 ng	1502560	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	47
2		(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	45
3		Acetic acid, 3-hydroxy-7-isoprop...	278	C17H26O3	1000187-37-6	43
4		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	42
5		2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	41



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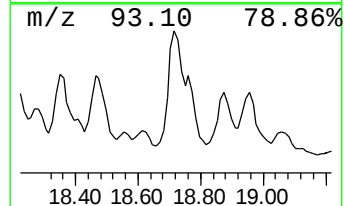
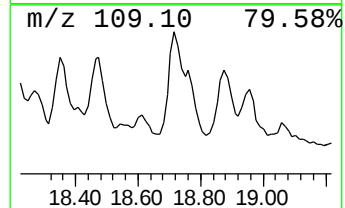
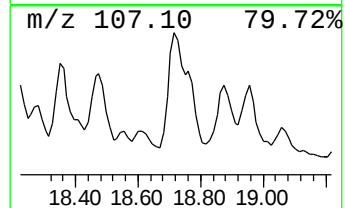
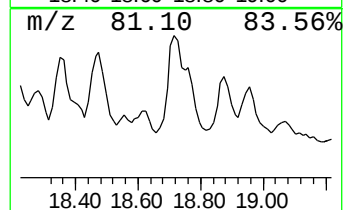
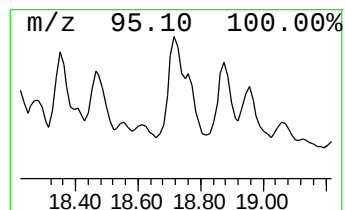
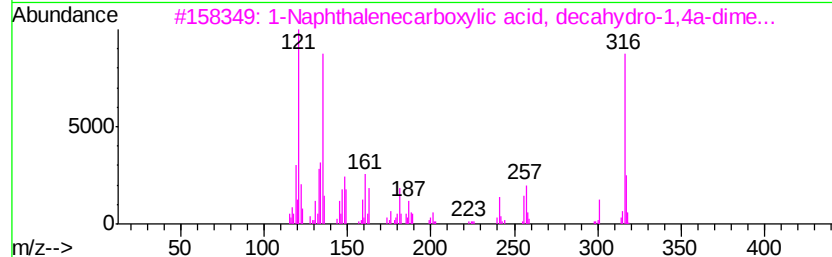
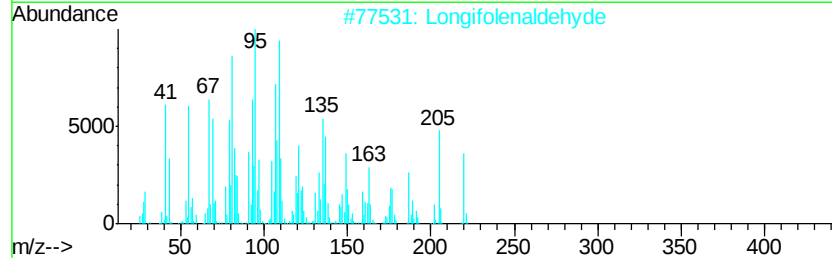
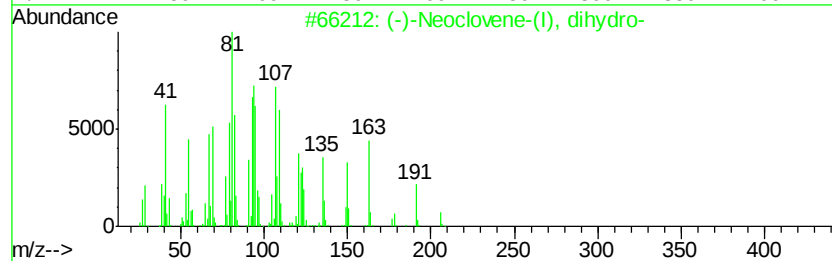
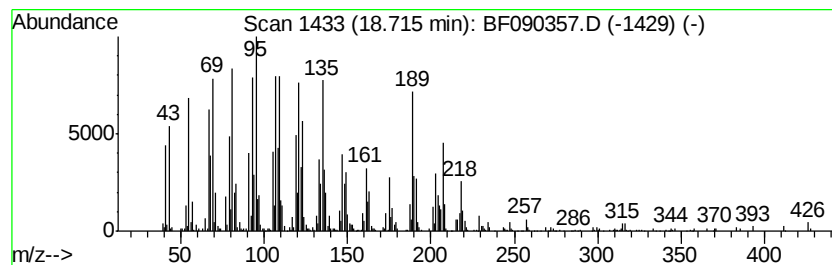
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 (-)-Neoclovene-(I), dihydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	26.25 ng	1961270	Perylene-d12	15.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	64
2		Longifolenaldehyde	220	C15H24O	019890-84-7	64
3		1-Naphthalenecarboxylic acid, de...	316	C21H32O2	001235-39-8	50
4		Guaia-9,11-diene	204	C15H24	1000374-19-8	49
5		Caparratriene	206	C15H26	1000374-08-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-01

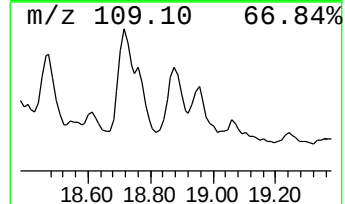
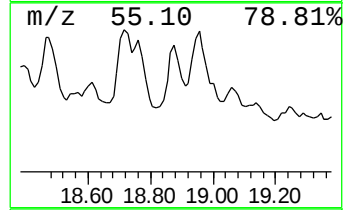
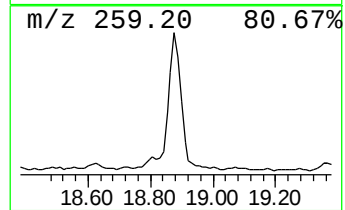
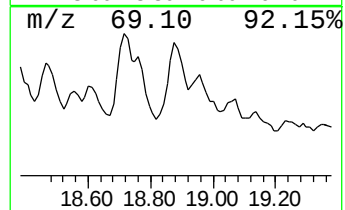
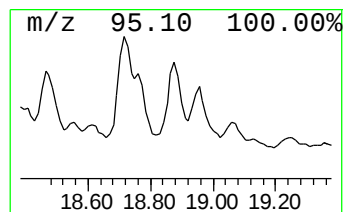
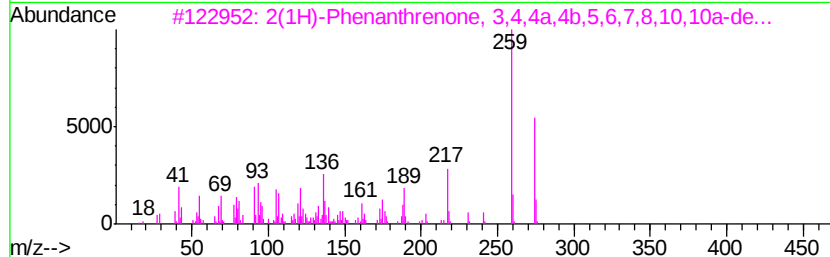
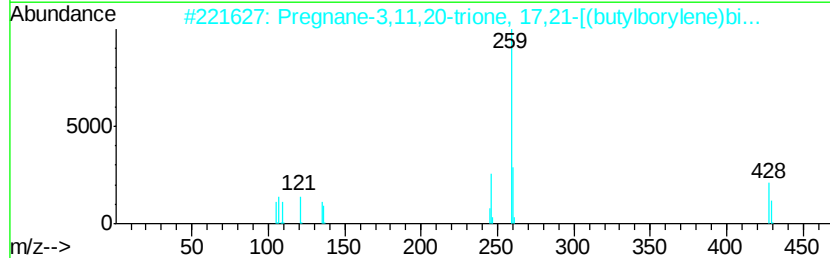
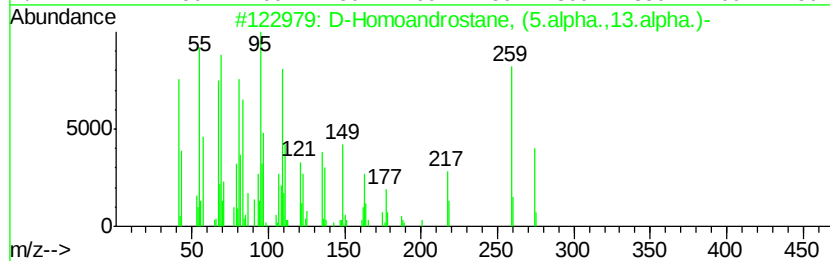
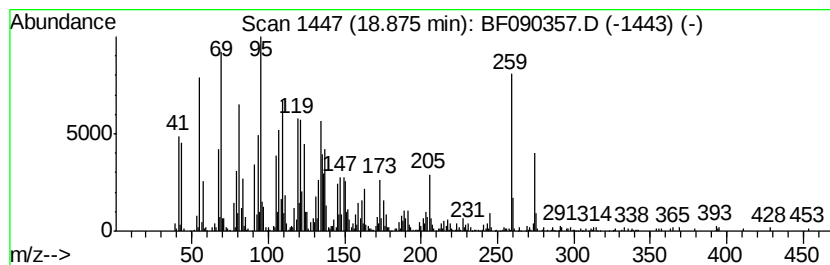
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 D-Homoandrostande, (5.alpha.... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	18.14 ng	1355940	Perylene-d12	15.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Homoandrostande, (5.alpha.,13.a...	274	C20H34	054482-31-4	62
2			Pregnane-3,11,20-trione, 17,21-[...	428	C25H37BO5	030888-25-6	52
3			2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	35
4			1,3-DIETHYL-2-HYDROXYBENZOTHAZO...	274	C14H14N2O2S	1000227-15-3	25
5			cis-p-Mentha-2,8-dien-1-ol	152	C10H16O	003886-78-0	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090357.D
Acq On : 4 Oct 2016 22:17
Operator : UM/SJ
Sample : H4869-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

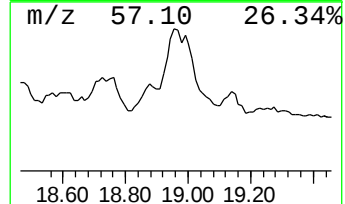
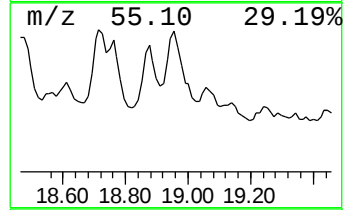
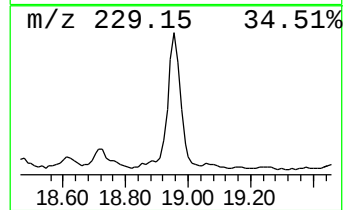
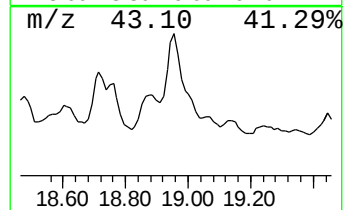
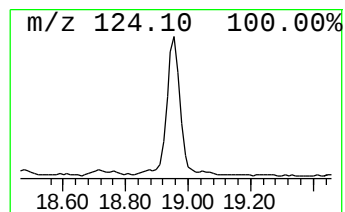
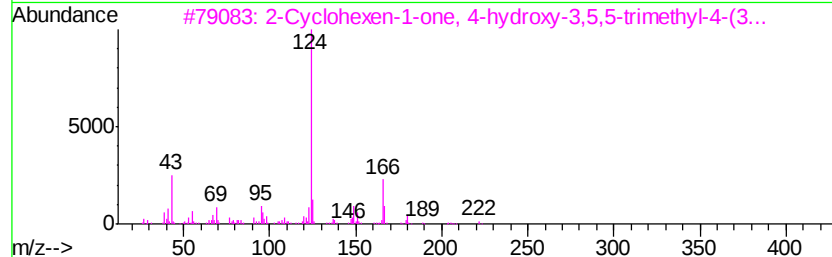
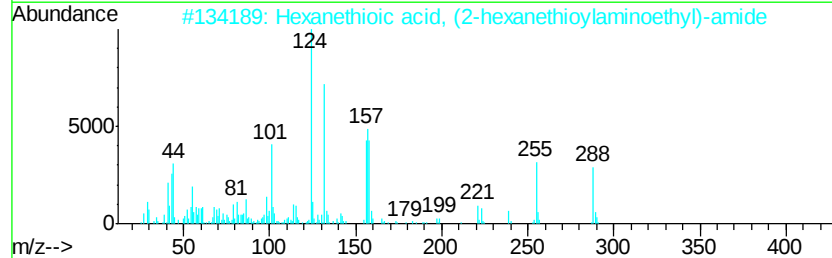
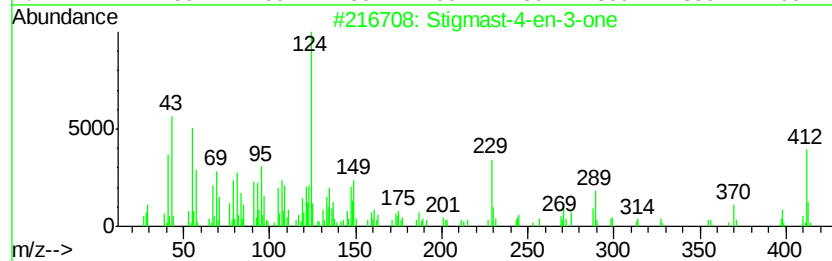
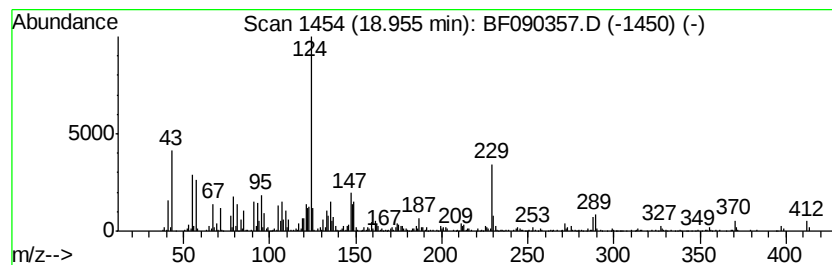
Instrument :
BNA_F
ClientSampleId :
TS-WSG-16121-01

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 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	25.52 ng	1906710	Perylene-d12	15.71
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmast-4-en-3-one	412 C29H48O	001058-61-3 64
2		Hexanethioic acid, (2-hexanethio...	288 C14H28N2S2	1000193-53-9 46
3		2-Cyclohexen-1-one, 4-hydroxy-3,...	222 C13H18O3	007070-24-8 43
4		Phthalic acid, 6-ethyloct-3-yl 4...	412 C25H32O5	1000315-53-5 43
5		Testosterone cypionate	412 C27H40O3	000058-20-8 42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090357.D
 Acq On : 4 Oct 2016 22:17
 Operator : UM/SJ
 Sample : H4869-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-WSG-16121-01

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...	5.21	18.0	ng	1210540	1	7.01	1347030	20.0
unknown6.77	6.77	77.5	ng	5217350	1	7.01	1347030	20.0
n-Hexadecanoic acid	12.07	18.7	ng	1543320	4	11.55	1653670	20.0
Octadecanoic acid	12.86	16.5	ng	1363440	4	11.55	1653670	20.0
Dehydroabiatic acid	14.01	34.4	ng	6139420	5	14.20	3567080	20.0
Sulfurous acid, 2...	14.67	19.0	ng	3396550	5	14.20	3567080	20.0
Tetracosane	15.36	68.1	ng	5089600	6	15.71	1494570	20.0
Heneicosane	16.21	17.7	ng	1321860	6	15.71	1494570	20.0
unknown16.26	16.26	34.2	ng	2555860	6	15.71	1494570	20.0
Cholestan-3-ol, (...)	16.45	20.9	ng	1557730	6	15.71	1494570	20.0
.gamma.-Sitosterol	17.88	73.0	ng	5452560	6	15.71	1494570	20.0
Stigmastanol	17.97	18.1	ng	1354830	6	15.71	1494570	20.0
unknown18.11	18.11	15.1	ng	1129790	6	15.71	1494570	20.0
1R,4S,7S,11R-2,2,...	18.21	17.9	ng	1335580	6	15.71	1494570	20.0
.beta.-Amyrin	18.35	27.7	ng	2071540	6	15.71	1494570	20.0
unknown18.48	18.48	20.1	ng	1502560	6	15.71	1494570	20.0
(-)-Neoclovene-(I...	18.72	26.3	ng	1961270	6	15.71	1494570	20.0
D-Homoandrostande,...	18.88	18.1	ng	1355940	6	15.71	1494570	20.0
Stigmast-4-en-3-one	18.96	25.5	ng	1906710	6	15.71	1494570	20.0