

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
 Data File : BF081673.D
 Acq On : 17 Sep 2015 9:05
 Operator : UM/IZ
 Sample : G3689-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOIL

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-BF090115.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	1.451	8	10	15	rBV	49325	137813	8.08%	0.409%
2	1.531	15	17	51	rVB	397305	1382241	81.02%	4.103%
3	2.525	100	104	108	rVB	21661	36549	2.14%	0.108%
4	4.468	269	274	290	rBV	235807	671929	39.38%	1.995%
5	5.337	347	350	372	rBB	604311	1175327	68.89%	3.489%
6	7.612	545	549	554	rBV	636471	1225547	71.83%	3.638%
7	7.703	554	557	562	rVV	755041	1249123	73.21%	3.708%
8	8.183	596	599	606	rBB	187877	300876	17.64%	0.893%
9	8.515	624	628	631	rBV	538646	891345	52.24%	2.646%
10	9.486	709	713	716	rBV	458588	780360	45.74%	2.317%
11	11.086	849	853	856	rBV	226068	371323	21.76%	1.102%
12	13.727	1080	1084	1087	rBV	679952	1145453	67.14%	3.400%
13	14.778	1169	1176	1180	rBV	129199	232977	13.66%	0.692%
14	15.212	1210	1214	1218	rBV2	215470	361936	21.21%	1.074%
15	17.110	1377	1380	1385	rBV	328775	658660	38.61%	1.955%
16	17.407	1402	1406	1412	rVB2	9751	28036	1.64%	0.083%
17	17.670	1426	1429	1432	rBV	28710	53084	3.11%	0.158%
18	17.784	1432	1439	1444	rVV	105062	236651	13.87%	0.703%
19	17.876	1444	1447	1449	rVV	99140	181692	10.65%	0.539%
20	17.921	1449	1451	1453	rVV2	60399	108997	6.39%	0.324%
21	17.978	1453	1456	1460	rVV2	71233	171025	10.02%	0.508%
22	18.058	1460	1463	1464	rVV	20069	37431	2.19%	0.111%
23	18.093	1464	1466	1468	rVV	34954	77937	4.57%	0.231%
24	18.127	1468	1469	1472	rVV	30631	53342	3.13%	0.158%
25	18.196	1472	1475	1481	rVV2	70055	188865	11.07%	0.561%
26	18.310	1481	1485	1488	rVV	101760	179191	10.50%	0.532%
27	18.390	1488	1492	1500	rVB2	56416	156003	9.14%	0.463%
28	18.721	1517	1521	1523	rBV	192053	310533	18.20%	0.922%
29	18.767	1523	1525	1529	rVB	53621	87051	5.10%	0.258%
30	18.847	1529	1532	1534	rBV	20730	36681	2.15%	0.109%
31	18.893	1534	1536	1539	rVB2	21532	37460	2.20%	0.111%
32	19.213	1561	1564	1567	rBV2	40469	81904	4.80%	0.243%
33	19.270	1567	1569	1573	rVV	49703	91245	5.35%	0.271%
34	19.464	1582	1586	1593	rBV4	14021	39599	2.32%	0.118%

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35	19.659	1600	1603	1605	rBV	16943	33482	1.96%	0.099%
36	19.979	1625	1631	1637	rBV3	15370	57070	3.35%	0.169%
37	20.253	1652	1655	1659	rBV4	9394	33411	1.96%	0.099%
38	20.367	1663	1665	1668	rVB2	22944	36188	2.12%	0.107%
39	20.493	1669	1676	1686	rBV	164809	413022	24.21%	1.226%
40	21.030	1720	1723	1725	rVB2	17210	28345	1.66%	0.084%
41	21.282	1742	1745	1749	rVB4	18337	48114	2.82%	0.143%
42	21.396	1752	1755	1758	rBV	164312	211468	12.39%	0.628%
43	21.567	1767	1770	1776	rVB2	314963	477016	27.96%	1.416%
44	21.750	1783	1786	1792	rVV	226599	414669	24.30%	1.231%
45	21.876	1795	1797	1802	rVV	49181	103628	6.07%	0.308%
46	21.990	1804	1807	1812	rVB4	45139	95550	5.60%	0.284%
47	22.082	1812	1815	1817	rBV	666842	763852	44.77%	2.268%
48	22.242	1826	1829	1830	rBV2	37192	62088	3.64%	0.184%
49	22.367	1838	1840	1841	rBV	19368	32208	1.89%	0.096%
50	22.516	1850	1853	1855	rBV2	32181	51988	3.05%	0.154%
51	22.550	1855	1856	1858	rVB	32195	30930	1.81%	0.092%
52	22.607	1858	1861	1863	rBV3	34162	78545	4.60%	0.233%
53	22.665	1863	1866	1869	rVB2	65938	125614	7.36%	0.373%
54	22.733	1869	1872	1874	rBV2	40059	86573	5.07%	0.257%
55	22.779	1874	1876	1879	rBV	76514	89991	5.27%	0.267%
56	22.836	1879	1881	1882	rBV	38064	48139	2.82%	0.143%
57	22.870	1882	1884	1886	rVB2	26478	33982	1.99%	0.101%
58	22.939	1886	1890	1894	rVB3	37833	110551	6.48%	0.328%
59	23.053	1897	1900	1902	rBV2	42173	102153	5.99%	0.303%
60	23.145	1906	1908	1911	rBV3	19732	50346	2.95%	0.149%
61	23.202	1911	1913	1916	rVB	49587	63280	3.71%	0.188%
62	23.362	1922	1927	1928	rBV3	303074	737486	43.23%	2.189%
63	23.465	1935	1936	1938	rVV2	42757	53684	3.15%	0.159%
64	23.590	1945	1947	1950	rVB3	30639	52294	3.07%	0.155%
65	23.693	1954	1956	1959	rVV	47058	59161	3.47%	0.176%
66	24.025	1983	1985	1987	rBV	312533	424264	24.87%	1.259%
67	24.208	2000	2001	2003	rBV	62678	90284	5.29%	0.268%
68	24.322	2009	2011	2013	rBV	69385	93442	5.48%	0.277%
69	24.379	2014	2016	2019	rVB	265848	262388	15.38%	0.779%
70	24.459	2020	2023	2024	rBV	162964	231926	13.59%	0.688%
71	24.550	2029	2031	2034	rVB3	82010	130677	7.66%	0.388%

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72	24.619	2034	2037	2043	rBV	1323452	1688188	98.95%	5.011%
73	24.710	2043	2045	2047	rVB2	105321	166579	9.76%	0.494%
74	24.745	2047	2048	2050	rBV	74571	86098	5.05%	0.256%
75	24.802	2050	2053	2054	rBV2	211069	313801	18.39%	0.932%
76	24.893	2059	2061	2065	rVB2	87797	148661	8.71%	0.441%
77	25.042	2072	2074	2078	rVV2	90686	175867	10.31%	0.522%
78	25.111	2078	2080	2083	rVV2	148241	199833	11.71%	0.593%
79	25.202	2085	2088	2090	rVV	894099	1393870	81.70%	4.138%
80	25.236	2090	2091	2094	rVV	238543	430057	25.21%	1.277%
81	25.328	2097	2099	2101	rVV	138478	216325	12.68%	0.642%
82	25.373	2101	2103	2106	rVB	319948	435428	25.52%	1.293%
83	25.739	2133	2135	2140	rVB2	70525	132654	7.78%	0.394%
84	25.853	2142	2145	2147	rVV2	60714	151738	8.89%	0.450%
85	25.945	2151	2153	2158	rVV2	170425	495588	29.05%	1.471%
86	26.071	2162	2164	2169	rVV3	105469	287536	16.85%	0.854%
87	26.185	2172	2174	2176	rVV	89228	177890	10.43%	0.528%
88	26.253	2176	2180	2184	rVV2	579921	1706108	100.00%	5.065%
89	26.322	2184	2186	2187	rVV	172418	322233	18.89%	0.957%
90	26.368	2187	2190	2194	rVV	239319	668700	39.19%	1.985%
91	26.448	2194	2197	2199	rVV	150491	387285	22.70%	1.150%
92	26.528	2200	2204	2208	rVV2	361324	1273412	74.64%	3.780%
93	26.596	2208	2210	2214	rVV2	318549	677062	39.68%	2.010%
94	26.699	2217	2219	2222	rVV3	84043	203972	11.96%	0.605%
95	26.768	2222	2225	2231	rVV3	365862	1238508	72.59%	3.677%
96	26.859	2231	2233	2235	rVV	162313	292846	17.16%	0.869%
97	26.916	2235	2238	2242	rVB2	167653	381497	22.36%	1.132%
98	27.145	2252	2258	2263	rVB3	132898	442644	25.94%	1.314%
99	27.476	2283	2287	2292	rVB3	110014	312724	18.33%	0.928%
100	27.591	2293	2297	2304	rVB	254148	683738	40.08%	2.030%

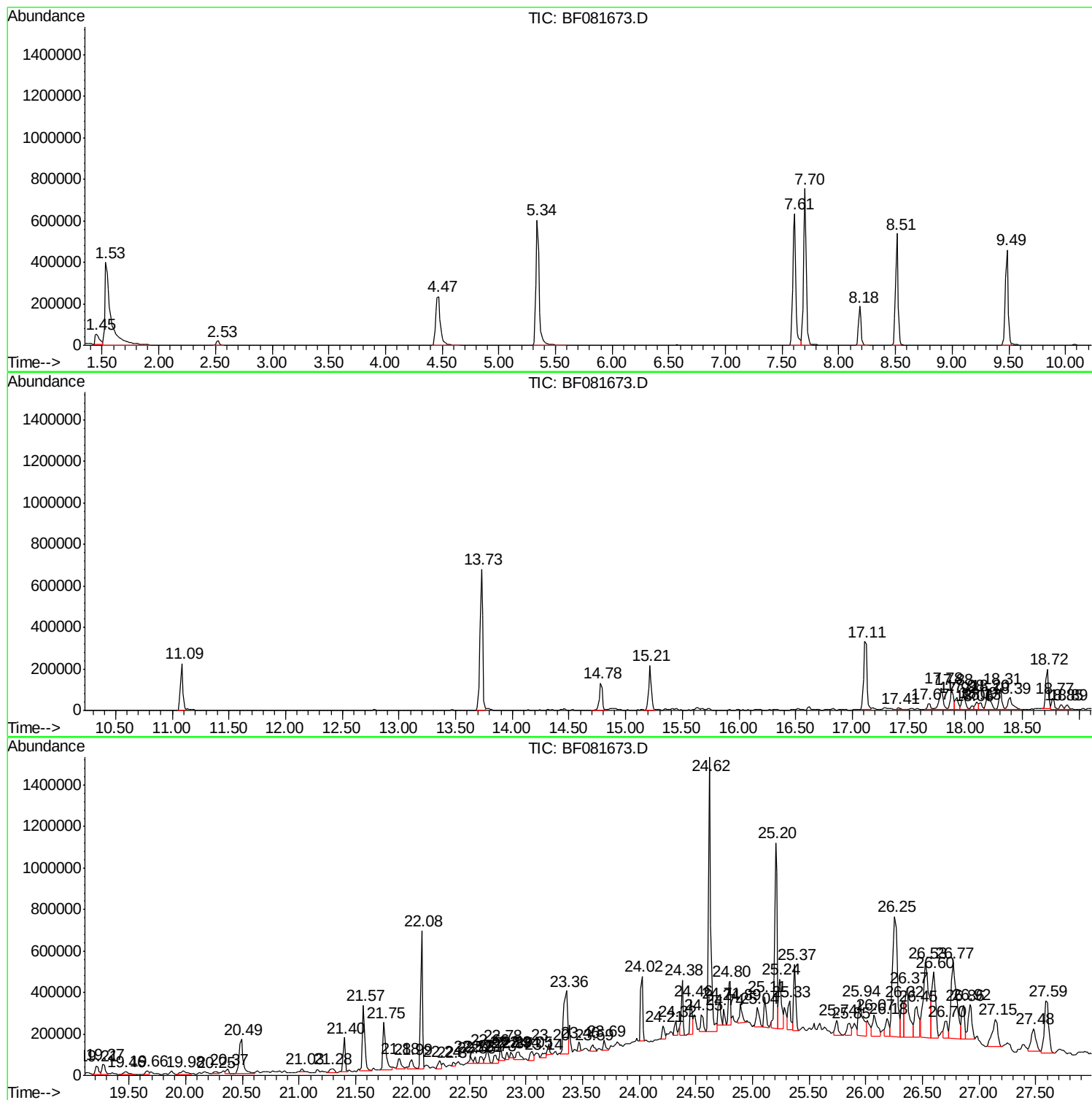
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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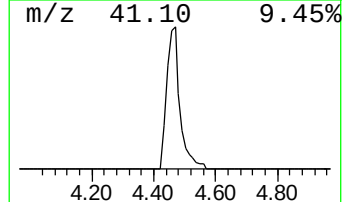
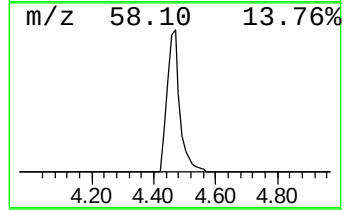
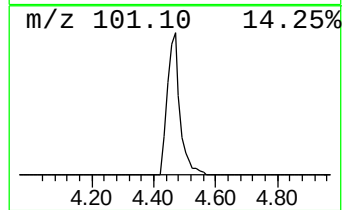
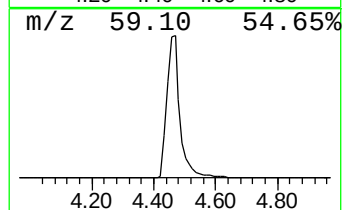
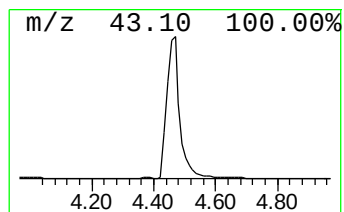
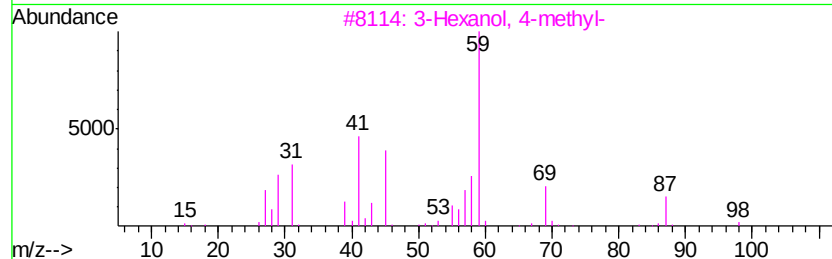
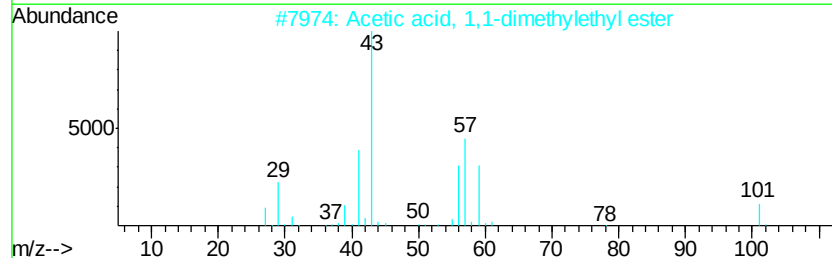
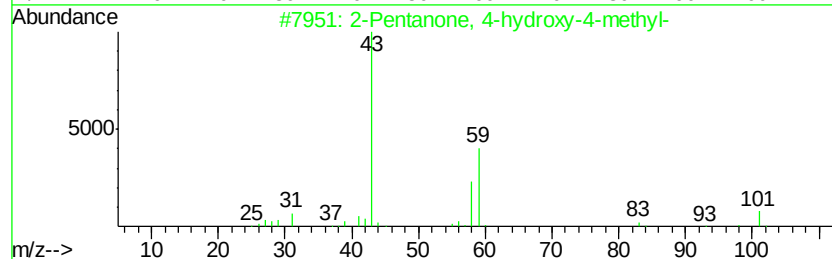
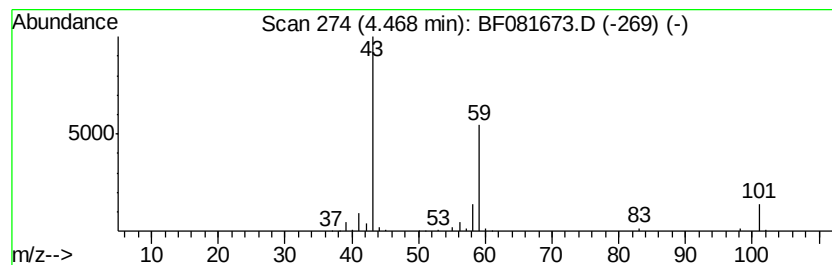
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.47	44.66 ng	671929	1,4-Dichlorobenzene-d4	8.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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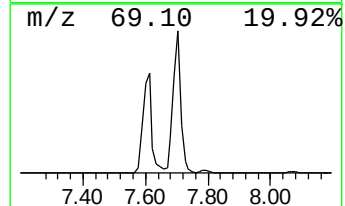
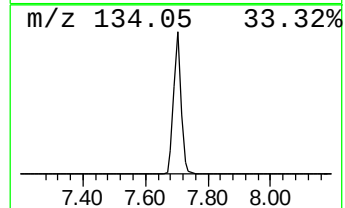
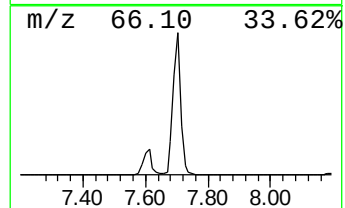
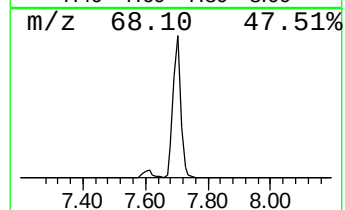
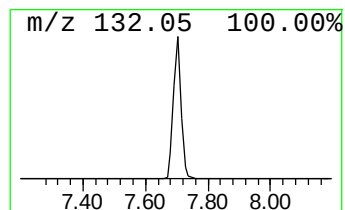
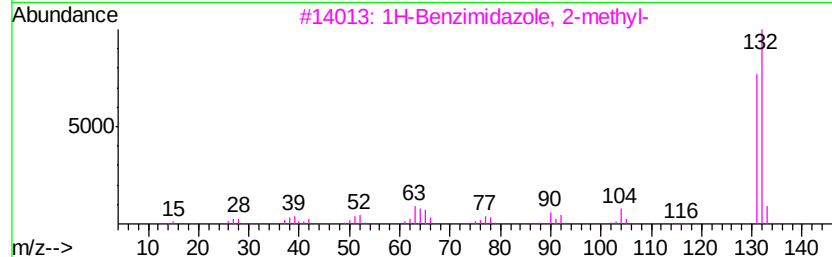
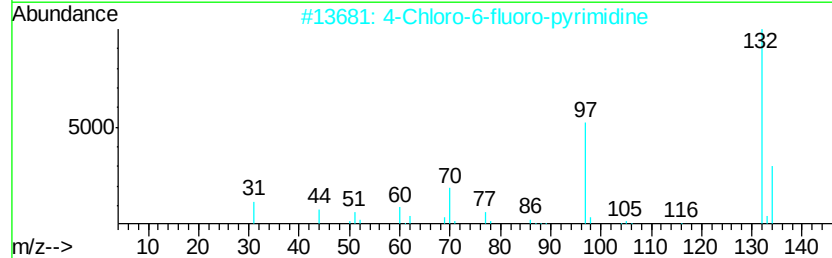
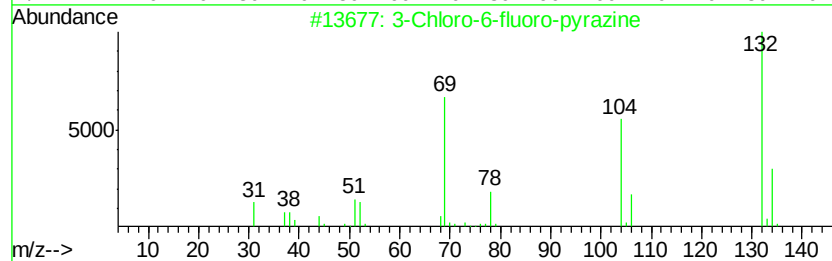
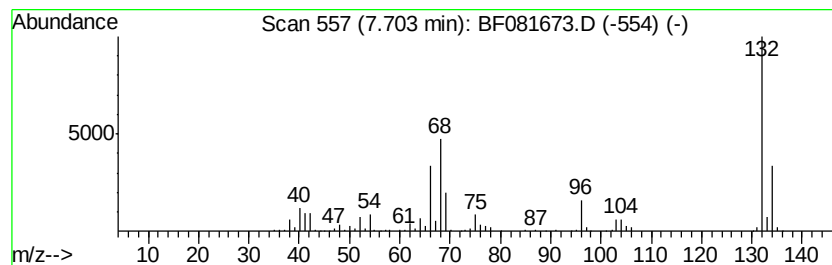
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 unknown7.70 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	83.03 ng	1249120	1,4-Dichlorobenzene-d4	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10



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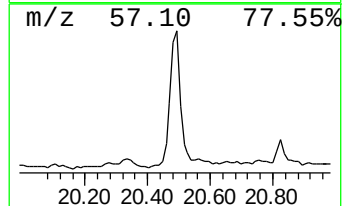
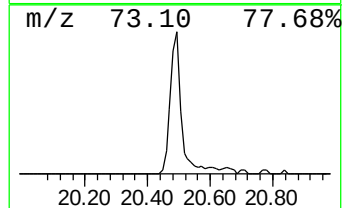
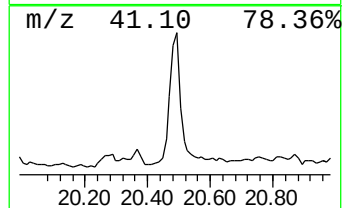
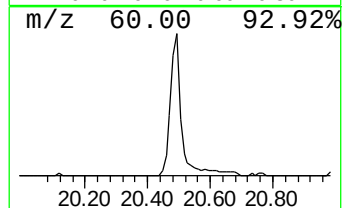
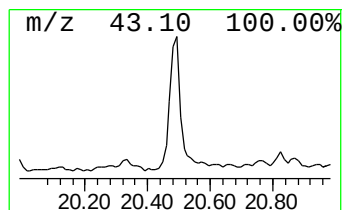
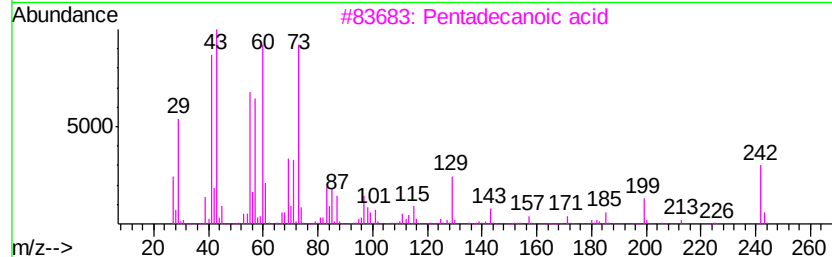
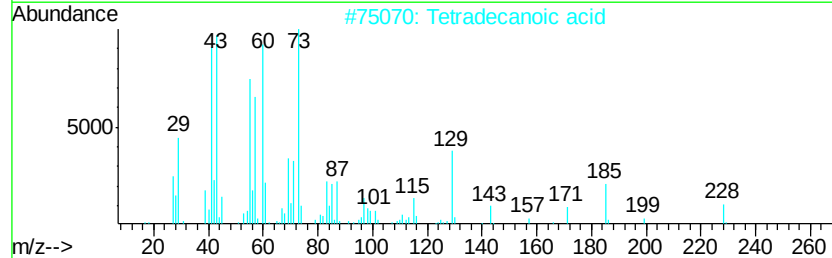
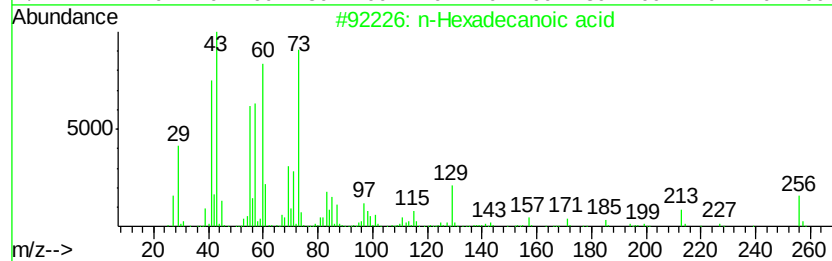
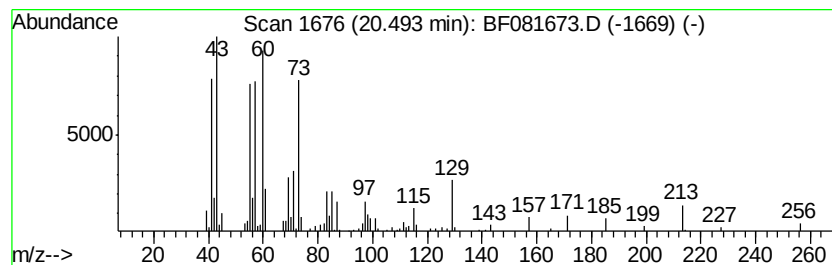
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	26.60 ng	413022	Phenanthrene-d10	18.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	80
5	Undecanoic acid	186	C11H22O2	000112-37-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
Operator : UM/IZ
Sample : G3689-01
Misc :
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Instrument :
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ClientSampleId :
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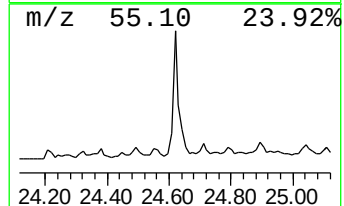
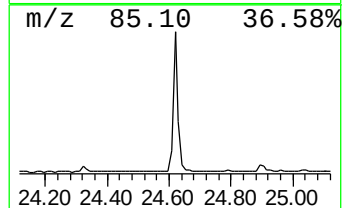
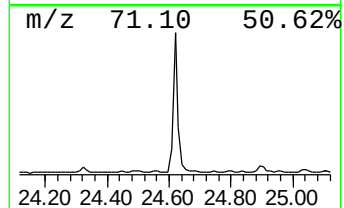
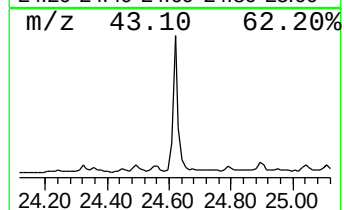
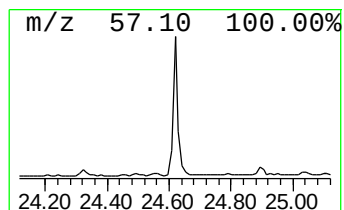
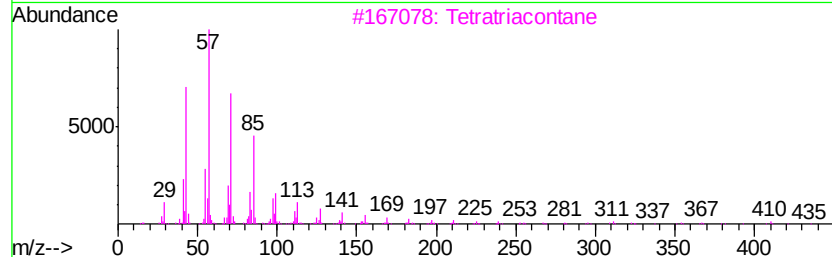
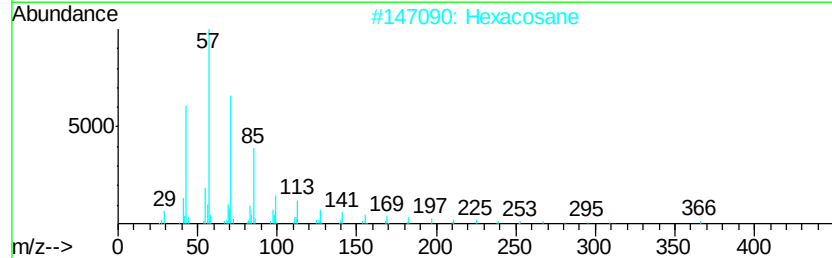
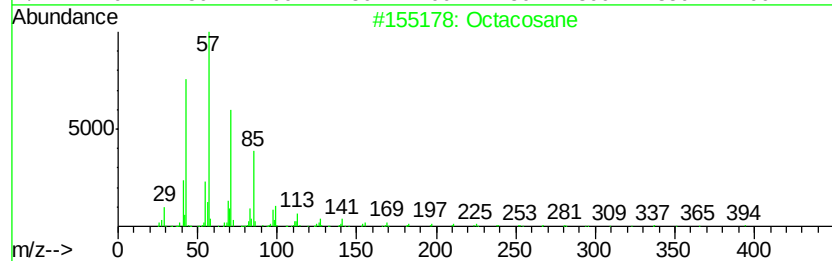
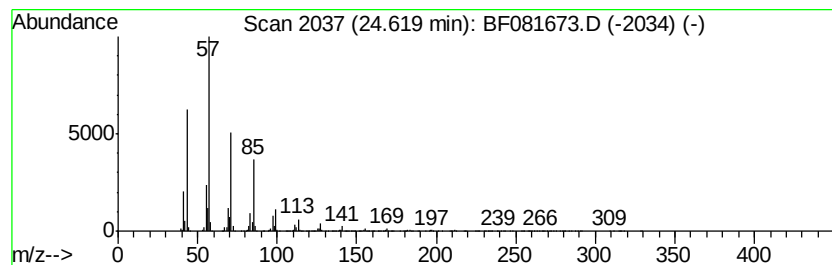
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.62	107.60 ng	1688190	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Hexacosane	366	C26H54	000630-01-3	90
3		Tetratriacontane	479	C34H70	014167-59-0	90
4		Pentacosane	352	C25H52	000629-99-2	90
5		Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
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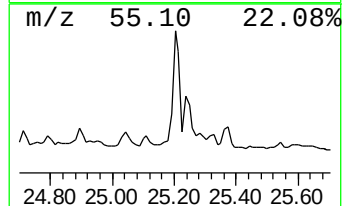
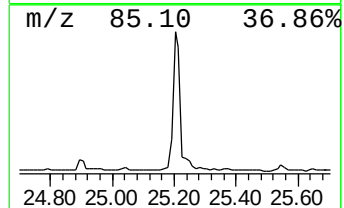
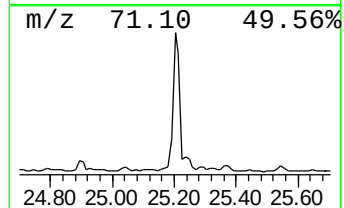
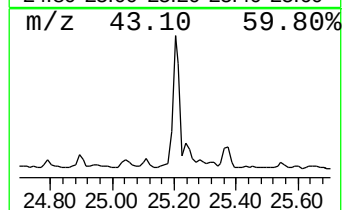
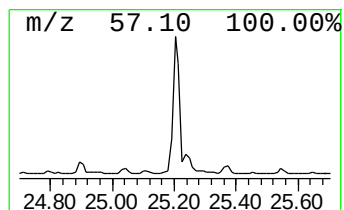
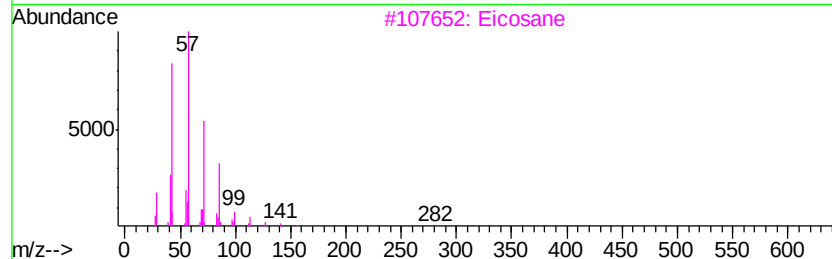
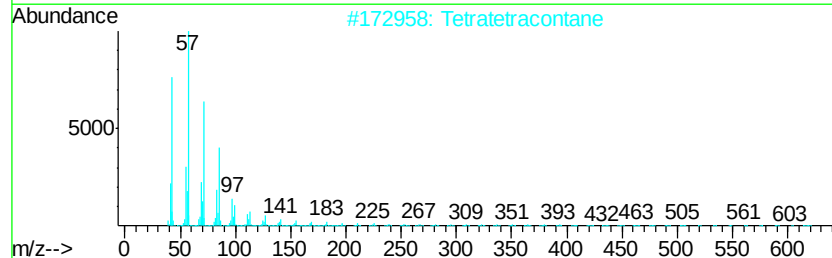
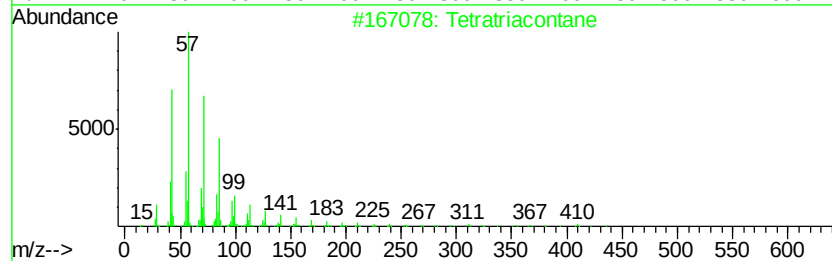
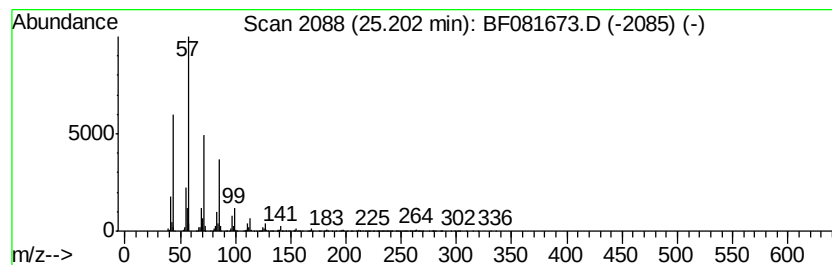
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tetratriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.20	88.84 ng	1393870	Perylene-d12	24.80

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetratriacontane	479	C34H70	014167-59-0	90
2		Tetratetracontane	619	C44H90	007098-22-8	86
3		Eicosane	282	C20H42	000112-95-8	86
4		Hexatriacontane	507	C36H74	000630-06-8	86
5		Dodecane, 4,9-dipropyl-	254	C18H38	003054-63-5	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
Operator : UM/IZ
Sample : G3689-01
Misc :
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Instrument :
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ClientSampleId :
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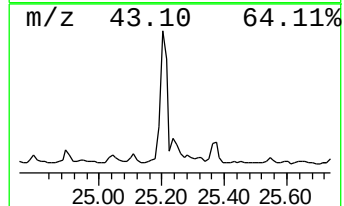
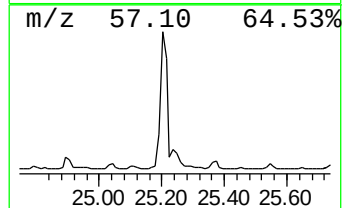
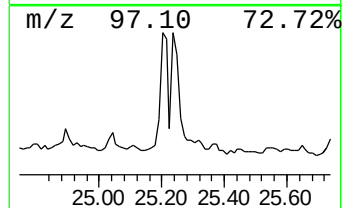
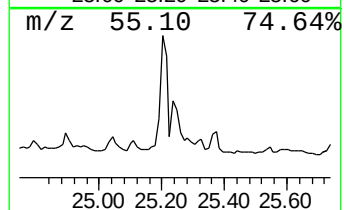
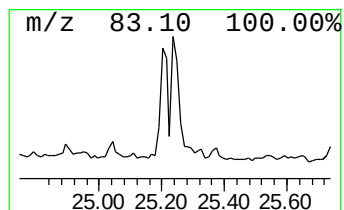
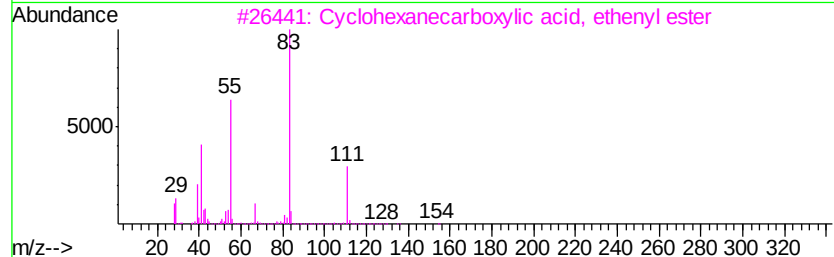
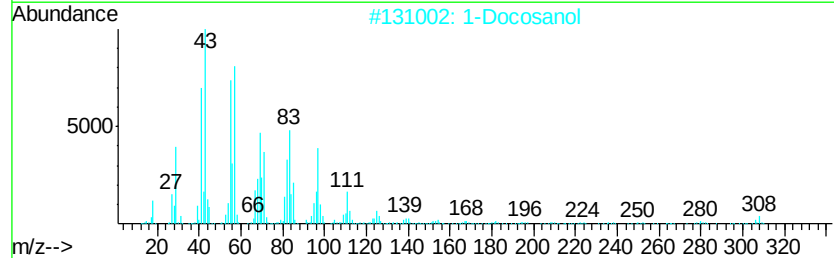
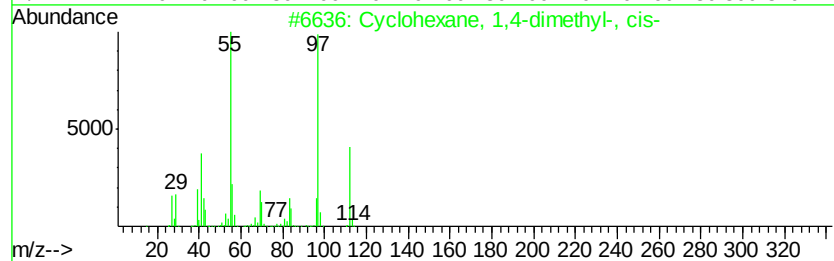
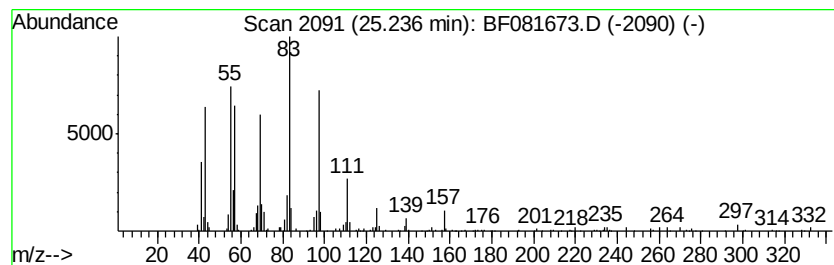
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.24	27.41 ng	430057	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	50
2		1-Docosanol	326	C22H46O	000661-19-8	43
3		Cyclohexanecarboxylic acid, ethe...	154	C9H14O2	004840-76-0	43
4		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	38
5		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
Operator : UM/IZ
Sample : G3689-01
Misc :
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ClientSampleId :
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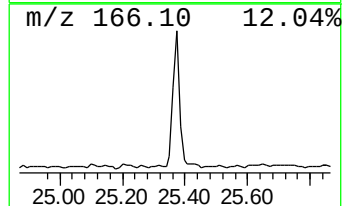
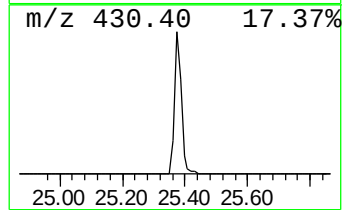
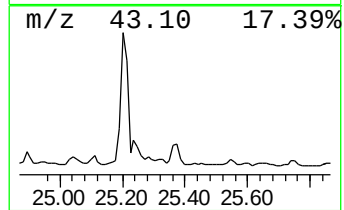
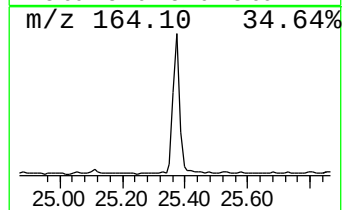
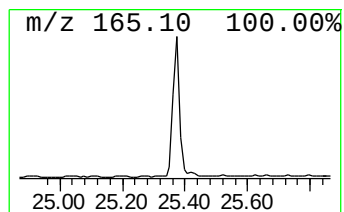
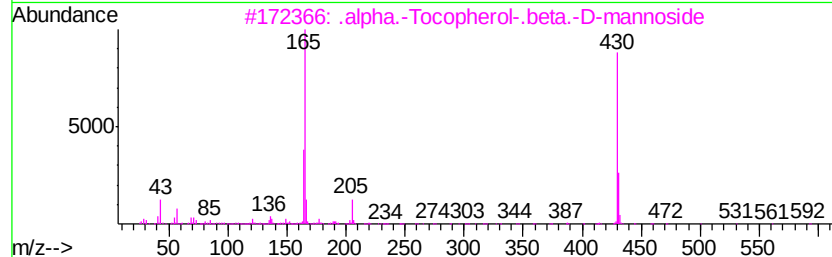
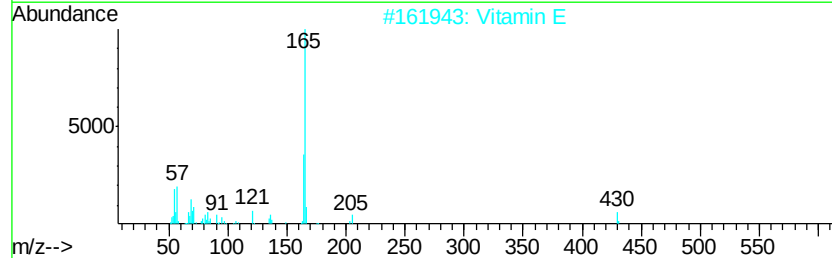
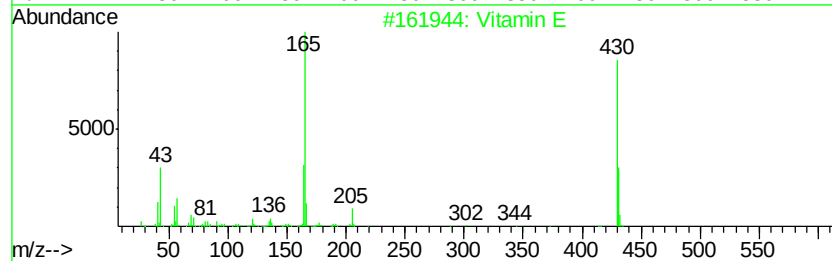
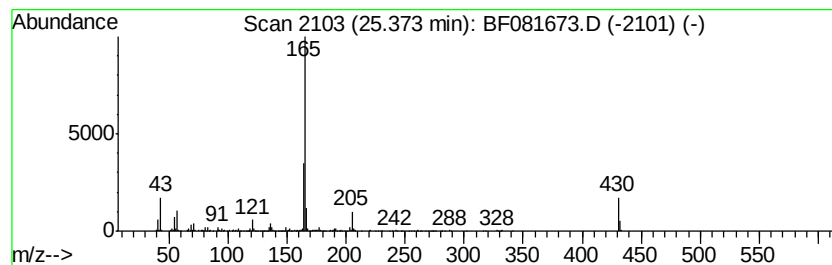
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Vitamin E Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.37	27.75 ng	435428	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Vitamin E	430	C29H50O2	010191-41-0	98
2		Vitamin E	430	C29H50O2	000059-02-9	94
3		.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	62
4		4-Amino-3-methoxypyrazolo[3,4-d]...	165	C6H7N5O	111375-22-5	59
5		7-Methyl-8-oxo-1,2,3,4-tetrahydr...	165	C8H11N3O	026955-10-2	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
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Misc :
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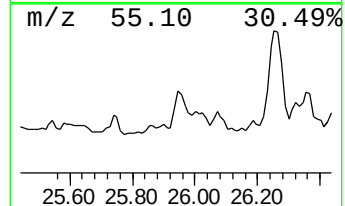
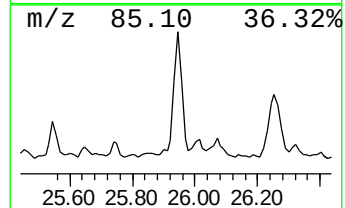
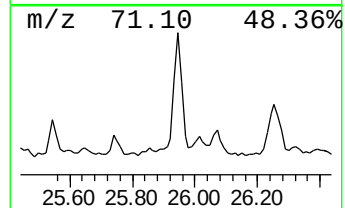
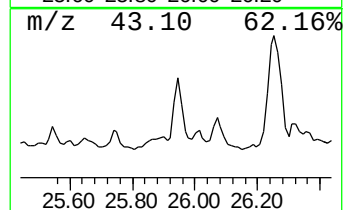
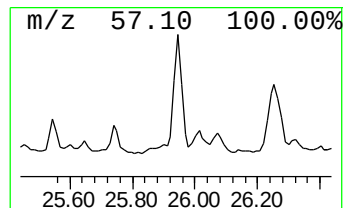
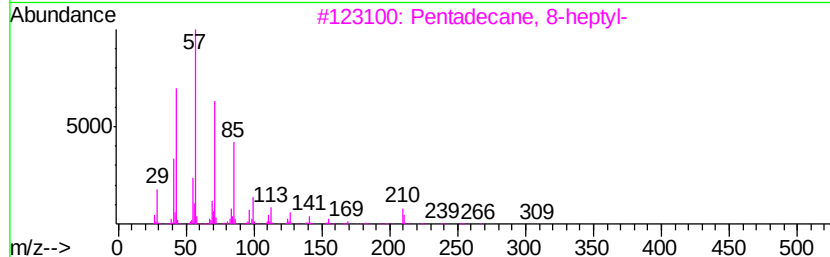
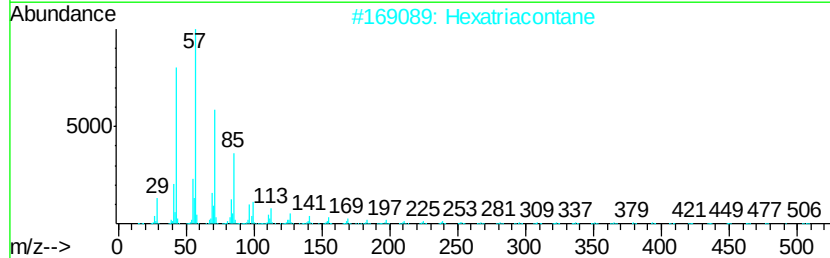
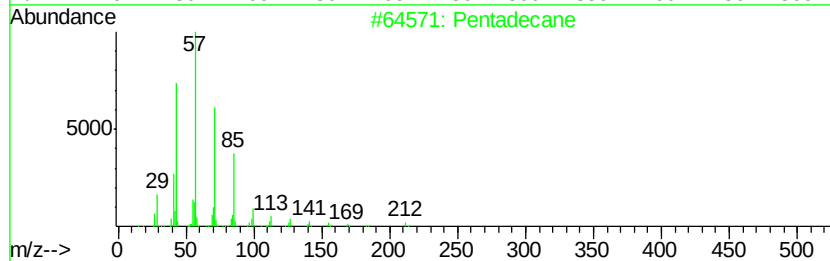
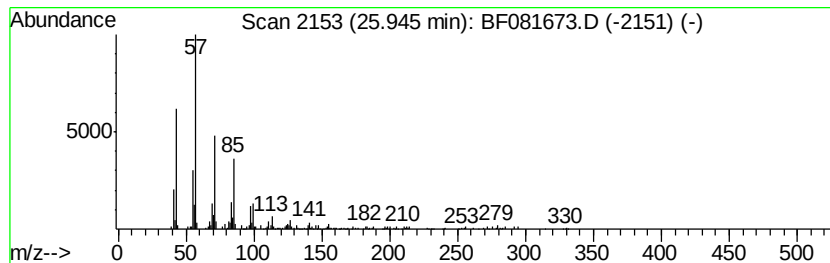
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.94	31.59 ng	495588	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	95
2		Hexatriacontane	507	C36H74	000630-06-8	83
3		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83
4		Hentriacontane	437	C31H64	000630-04-6	83
5		Octacosane	394	C28H58	000630-02-4	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
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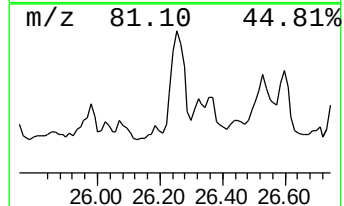
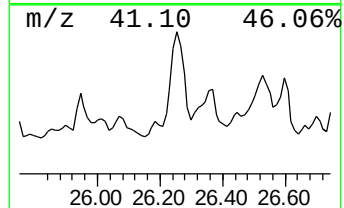
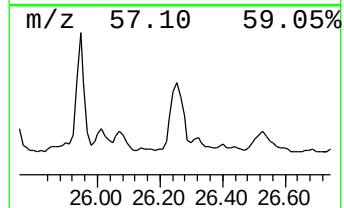
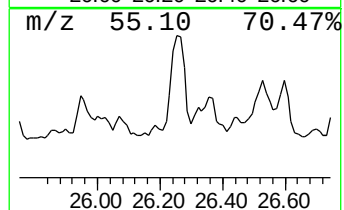
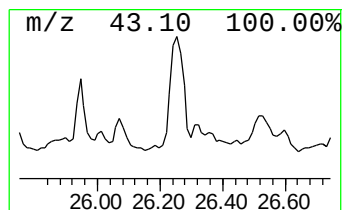
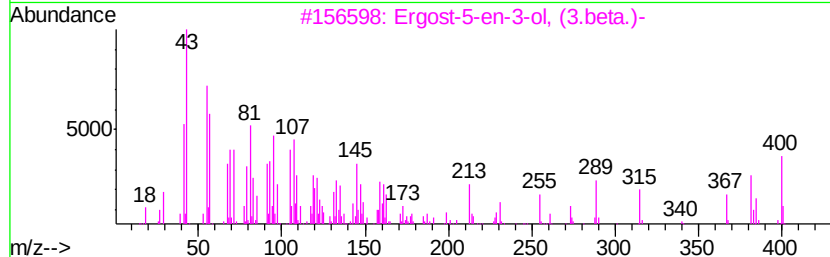
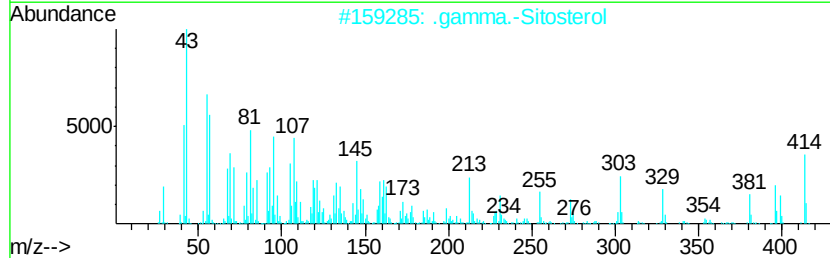
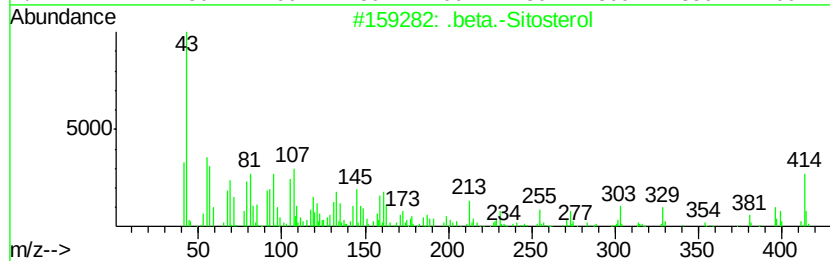
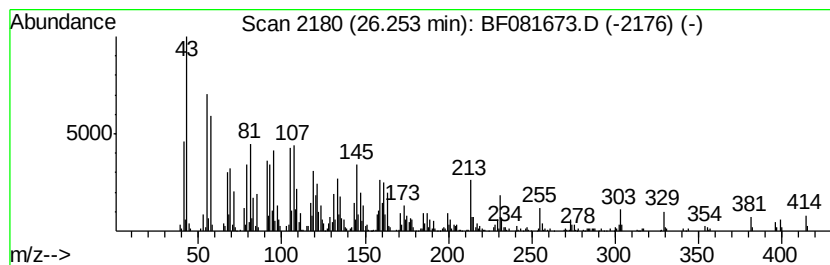
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 .beta.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.25	108.74 ng	1706110	Perylene-d12	24.80
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Sitosterol	414 C29H50O	000083-46-5 95
2		.gamma.-Sitosterol	414 C29H50O	000083-47-6 89
3		Ergost-5-en-3-ol, (3.beta.)-	400 C28H48O	004651-51-8 68
4		Campesterol	400 C28H48O	000474-62-4 64
5		Isocholesteryl methyl ether	400 C28H48O	029944-53-4 50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
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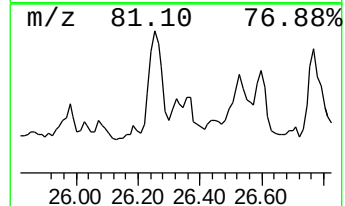
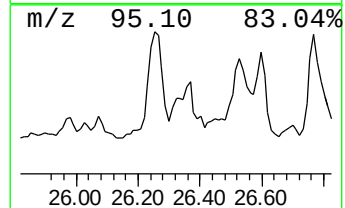
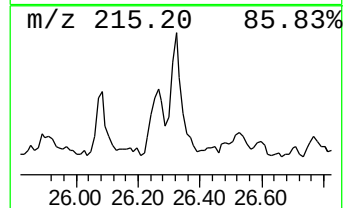
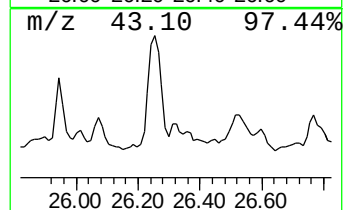
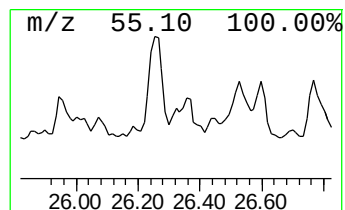
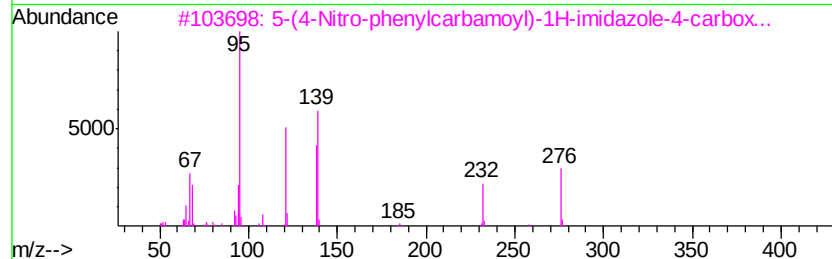
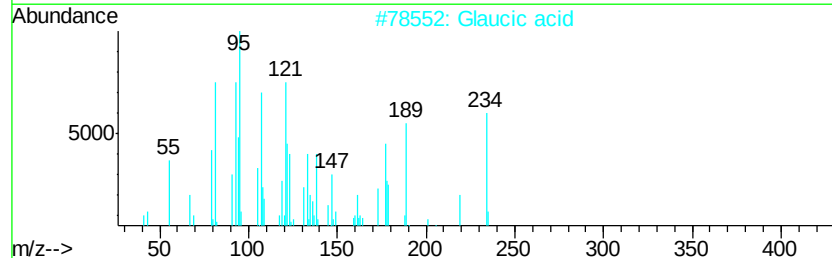
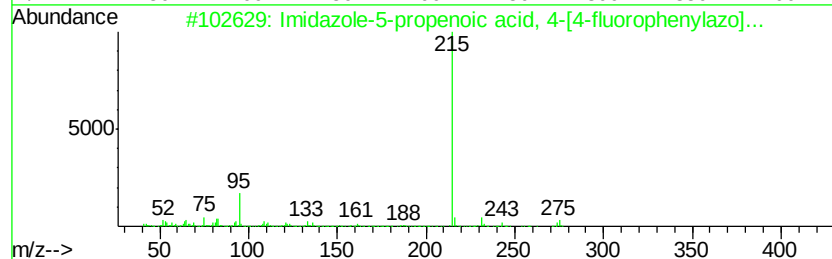
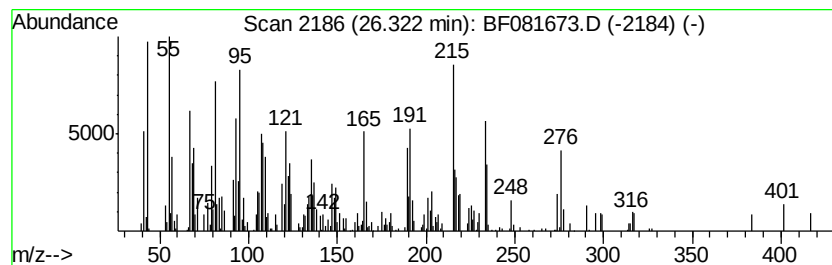
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown26.32 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.32	20.54 ng	322233	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Imidazole-5-propenoic acid, 4-[4...	274	C13H11FN4O2	1000129-50-3	27
2		Glaucic acid	234	C15H22O2	087745-30-0	25
3		5-(4-Nitro-phenylcarbamoyl)-1H-i...	276	C11H8N4O5	1000286-29-9	14
4		(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	14
5		7,8-Epoxy-.alpha.-ionone	208	C13H20O2	037079-64-4	11



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Acq On : 17 Sep 2015 9:05
Operator : UM/IZ
Sample : G3689-01
Misc :
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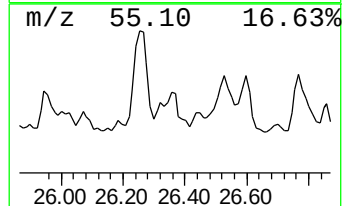
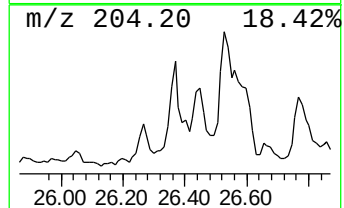
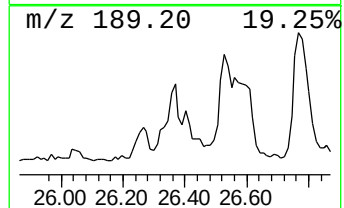
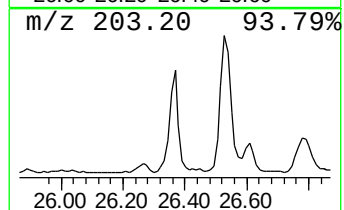
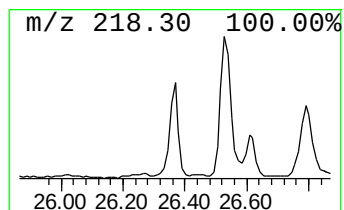
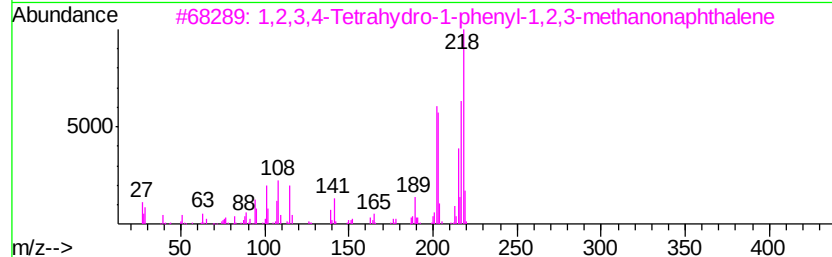
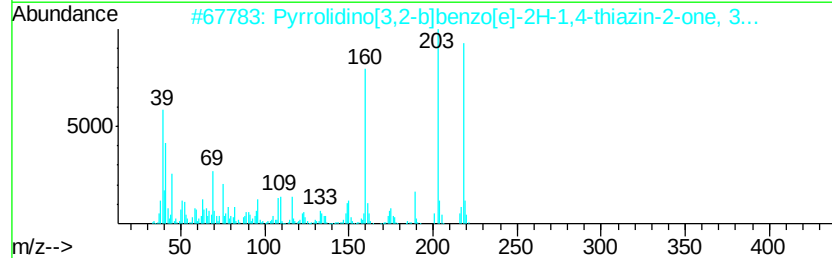
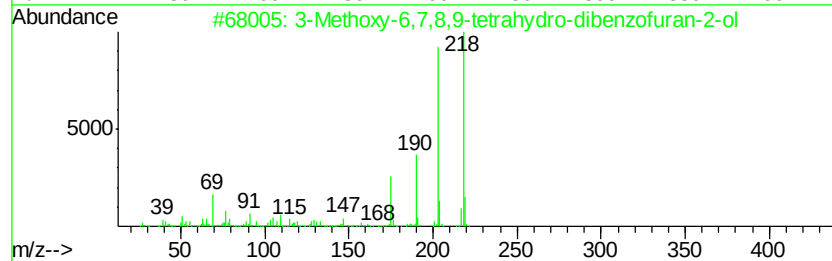
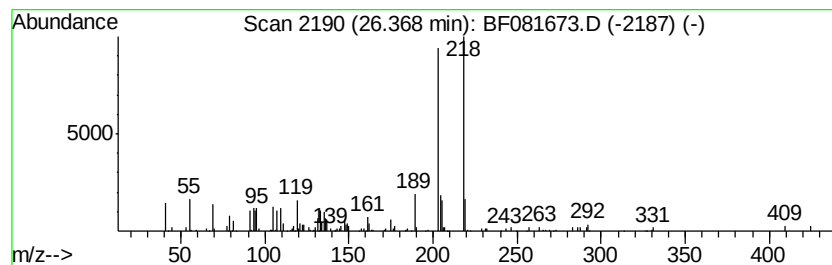
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3-Methoxy-6,7,8,9-tetrahydr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
26.37	42.62 ng	668700	Perylene-d12	24.80		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	64
2		Pyrrolidino[3,2-b]benzo[e]-2H-1,...	218	C11H10N2OS	017163-68-7	50
3		1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	40
4		5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	38
5		2,4a-Epidioxy-4a,5,6,7,8,8a-hexa...	372	C22H28O5	1000212-01-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
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Acq On : 17 Sep 2015 9:05
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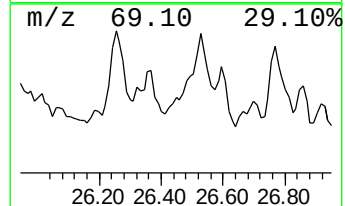
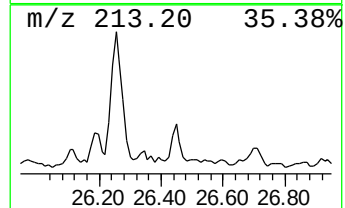
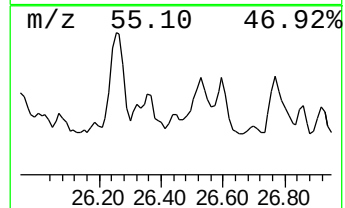
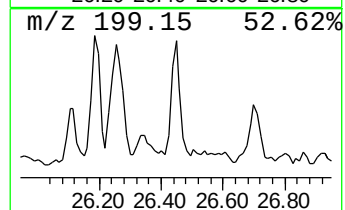
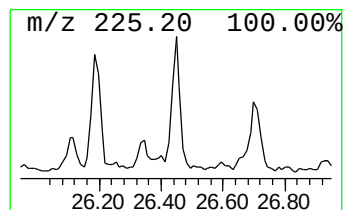
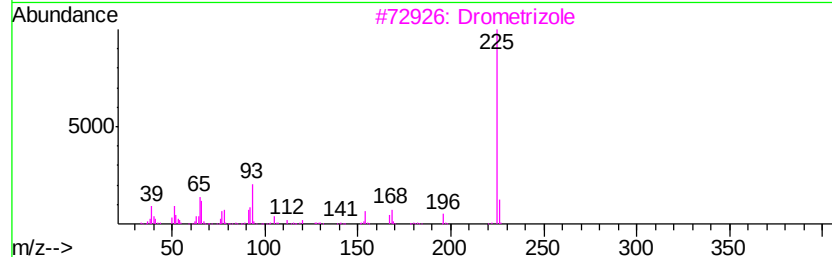
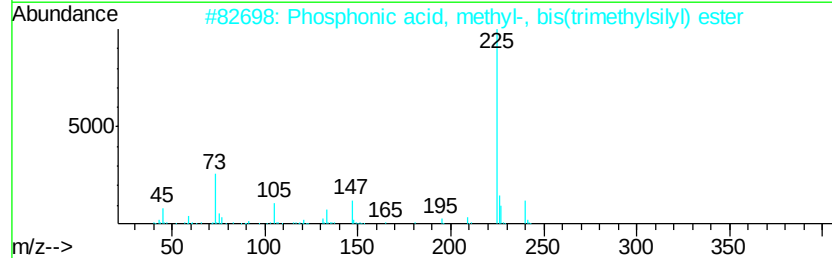
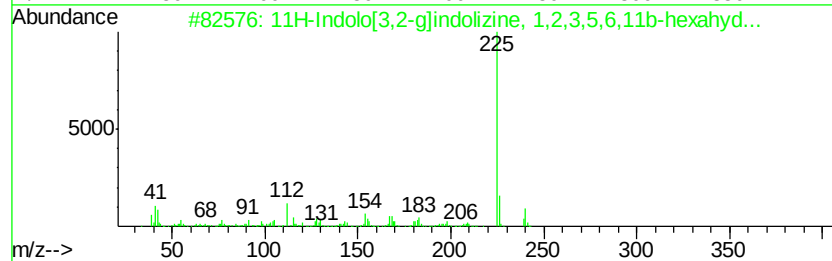
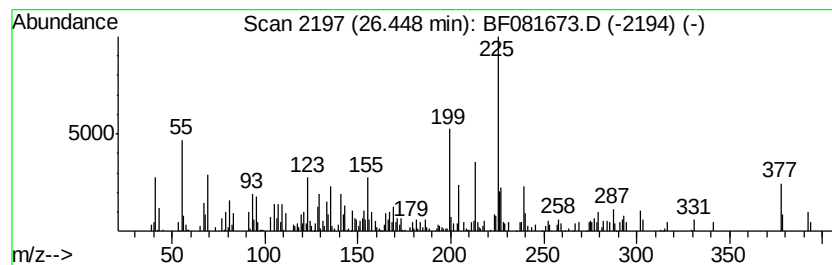
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown26.45 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.45	24.68 ng	387285	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Indolo[3,2-g]indolizine, 1,2...	240	C16H20N2	1000264-72-5	41
2		Phosphonic acid, methyl-, bis(tr...	240	C7H21O3PSi2	018279-83-9	27
3		Drometrizole	225	C13H11N3O	002440-22-4	22
4		6-Aminobenzo(g)quinoxaline-5,10-...	225	C12H7N3O2	072225-24-2	22
5		4,5-Diamino-2-phenyl(2H)benzotri...	225	C12H11N5	166766-26-3	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
Operator : UM/IZ
Sample : G3689-01
Misc :
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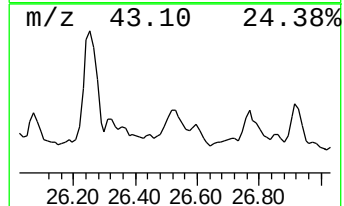
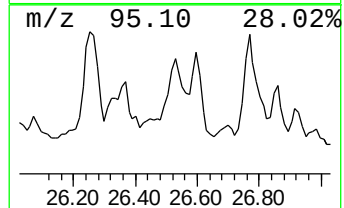
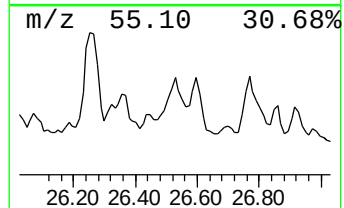
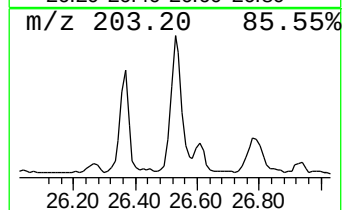
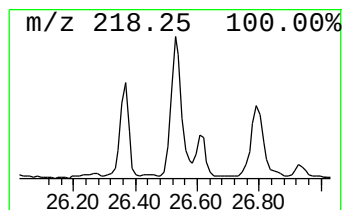
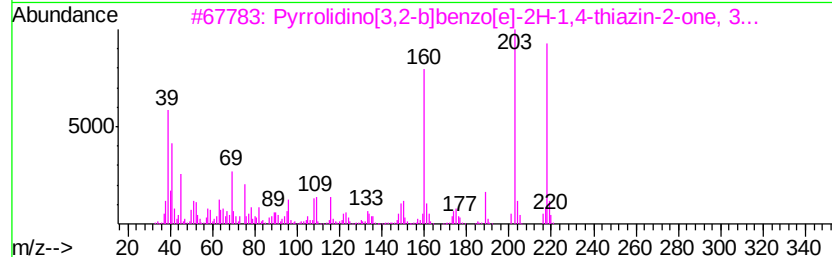
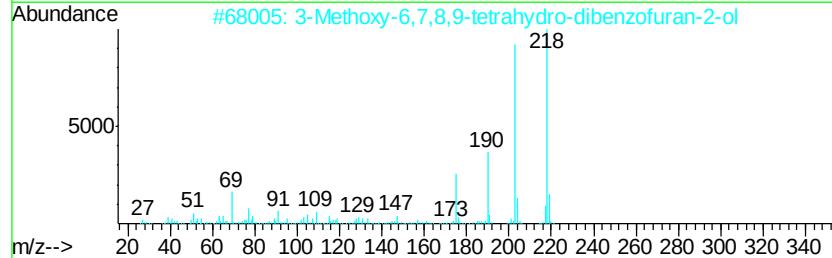
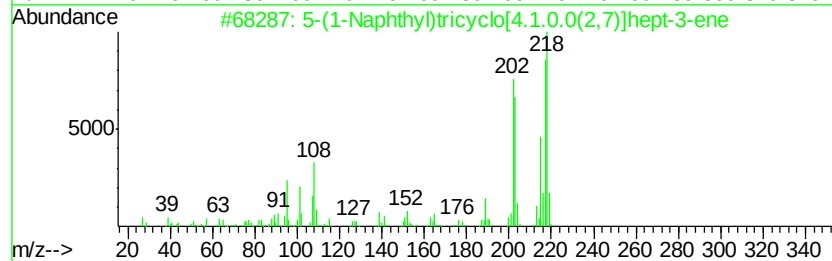
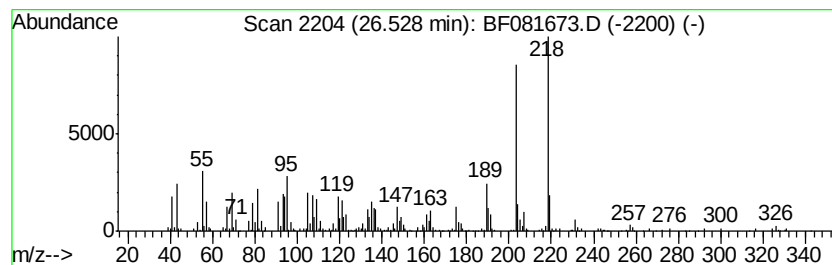
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5-(1-Naphthyl)tricyclo[4.1.... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.53	81.16 ng	1273410	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-(1-Naphthyl)tricyclo[4.1.0.0(2...]	218	C17H14	107729-05-5	74
2		3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	62
3		Pyrrolidino[3,2-b]benzo[e]-2H-1,...	218	C11H10N2OS	017163-68-7	58
4		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	55
5		2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
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Operator : UM/IZ
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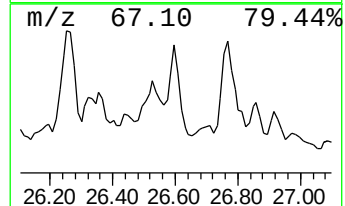
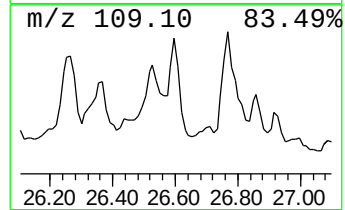
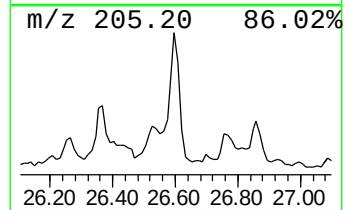
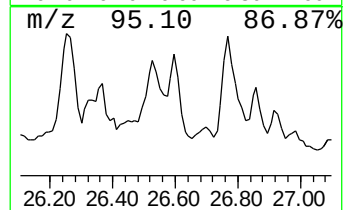
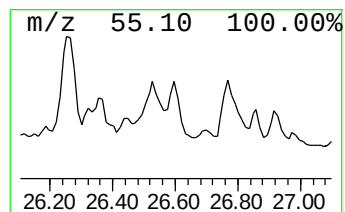
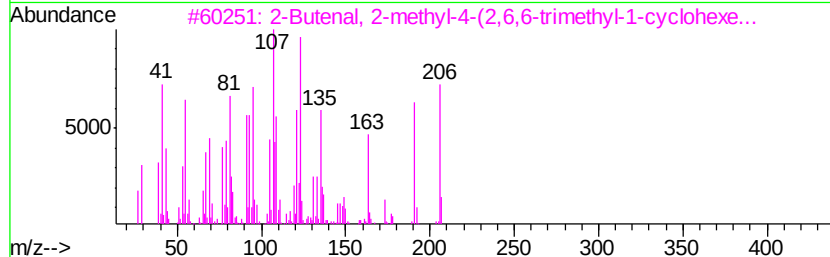
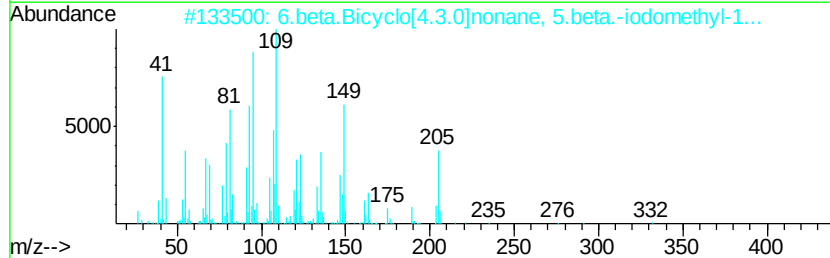
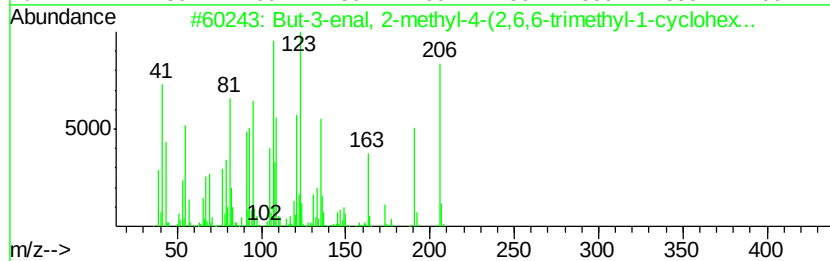
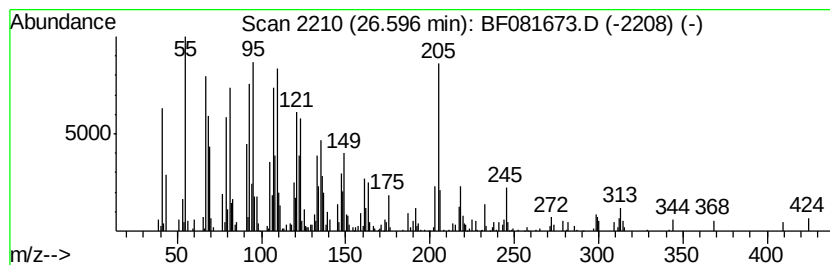
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown26.60 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.60	43.15 ng	677062	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	But-3-enal, 2-methyl-4-(2,6,6-tr...	206	C14H22O	104900-59-6	46
2		6.beta.Bicyclo[4.3.0]nonane, 5.b...	332	C15H25I	1000195-85-9	27
3		2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	25
4		Chiloscyphone	218	C15H22O	023538-45-6	25
5		6,10-Dimethyl-3-(1-methylethylid...	206	C15H26	069239-71-0	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
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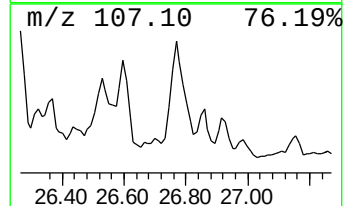
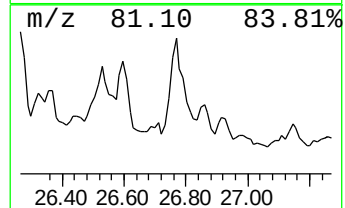
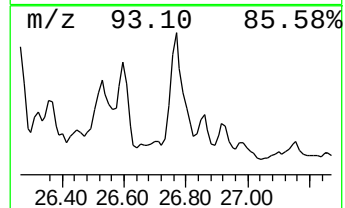
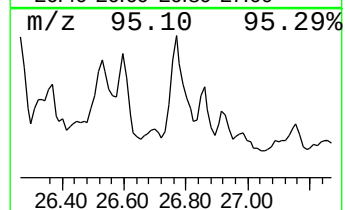
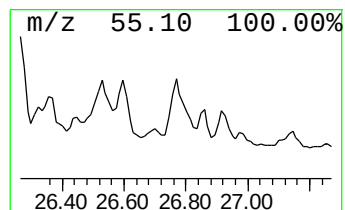
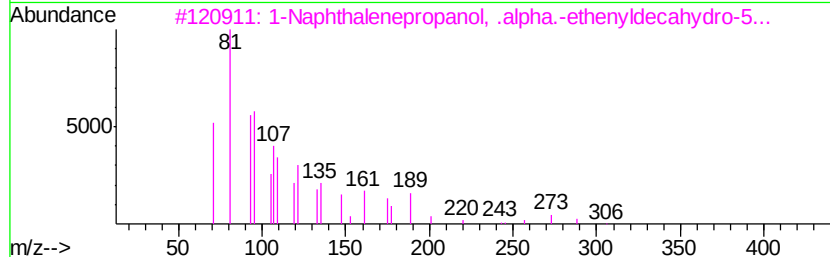
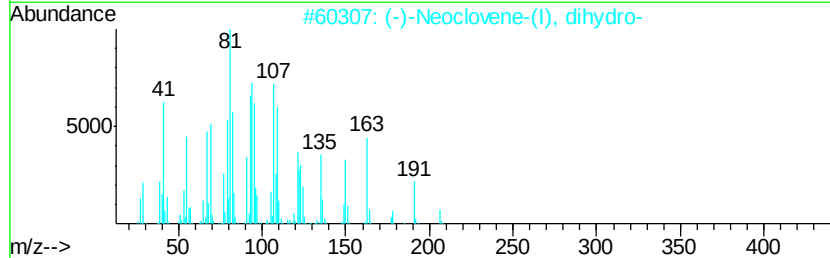
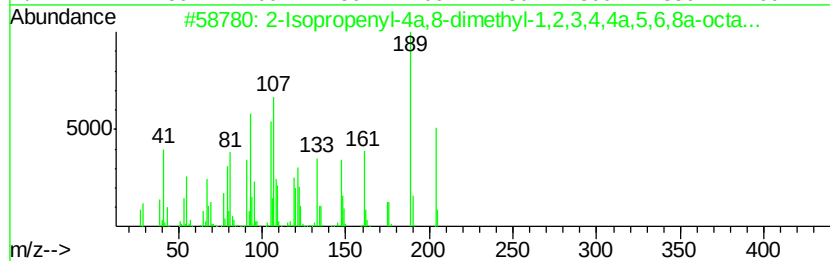
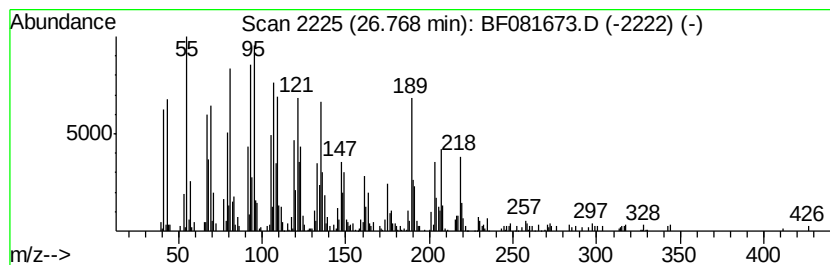
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Isopropenyl-4a,8-dimethyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.77	78.94 ng	1238510	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	87
2		(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	83
3		1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	004549-12-6	62
4		Cedran-diol, 8S,14-	238	C15H26O2	062600-05-9	49
5		7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
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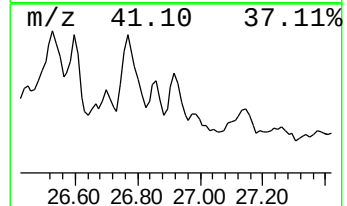
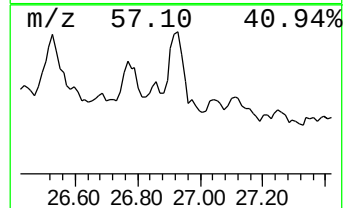
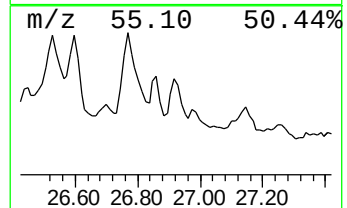
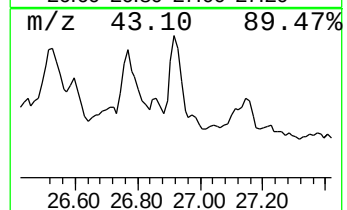
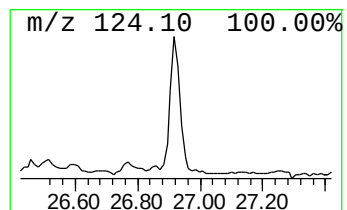
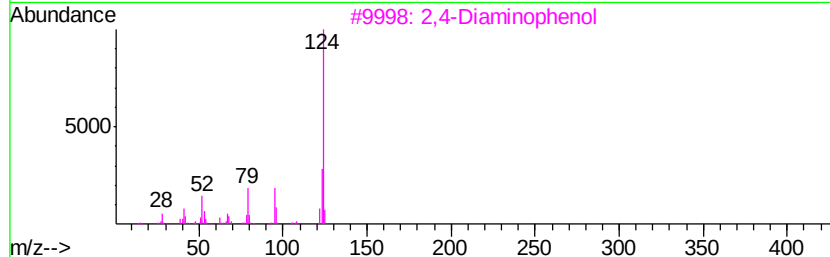
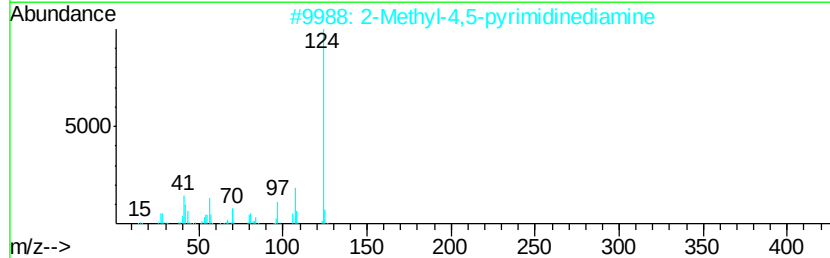
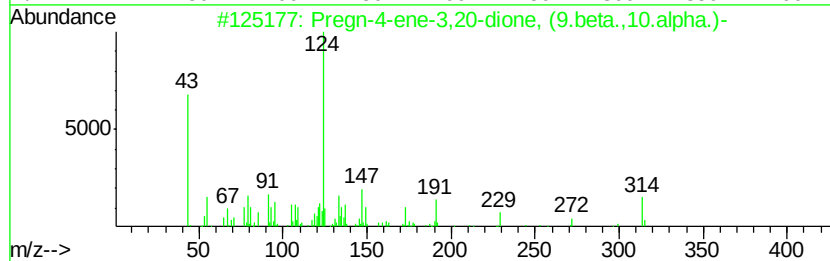
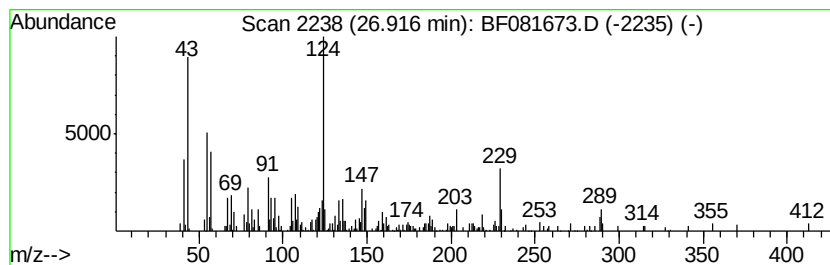
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pregn-4-ene-3,20-dione, (9.... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.92	24.31 ng	381497	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pregn-4-ene-3,20-dione, (9.beta....	314	C21H30O2	002755-10-4	58
2		2-Methyl-4,5-pyrimidinediamine	124	C5H8N4	015579-63-2	43
3		2,4-Diaminophenol	124	C6H8N2O	000095-86-3	38
4		Propanoic acid, 3-amino-3-(4-flu...	183	C9H10FN02	000325-89-3	38
5		p-Fluoroatropine dehydrate	289	C17H20FN02	1000212-74-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
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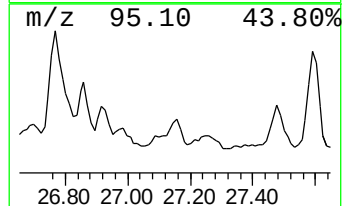
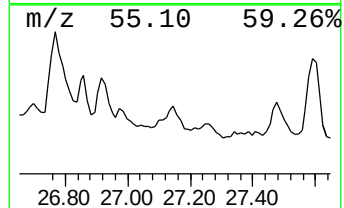
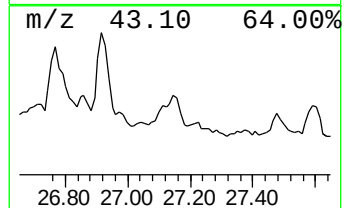
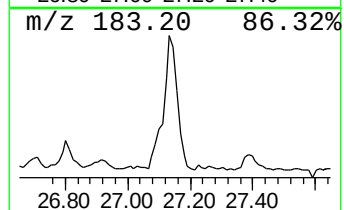
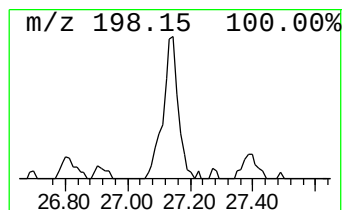
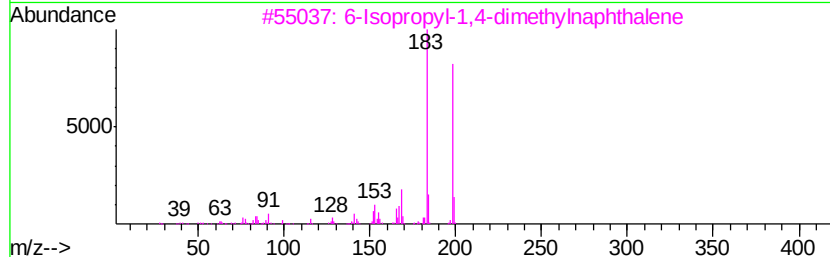
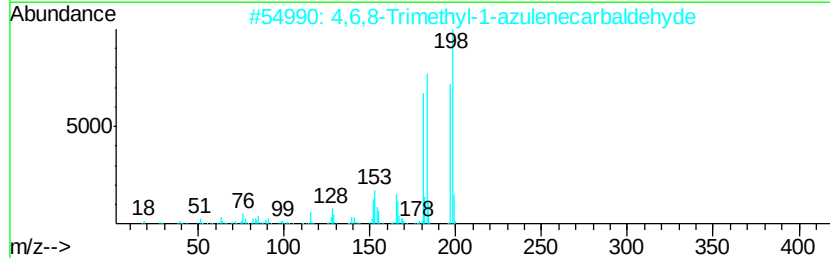
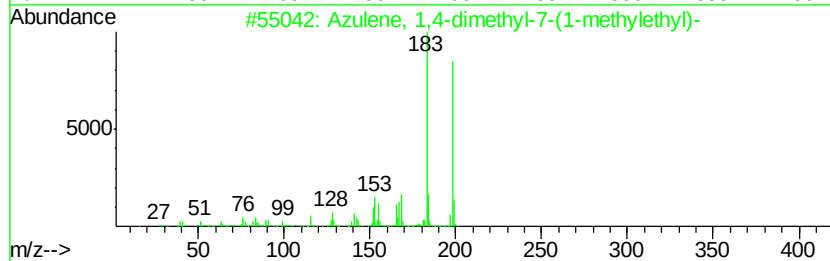
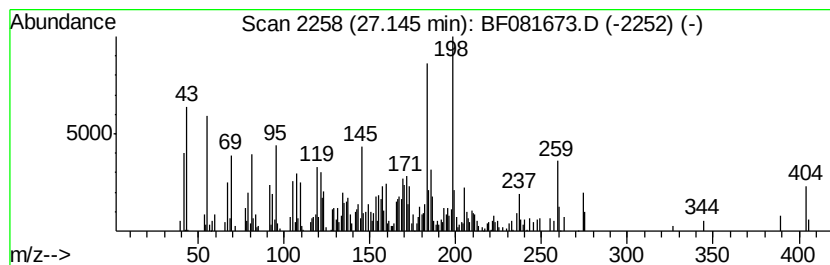
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Azulene, 1,4-dimethyl-7-(1-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.15	28.21 ng	442644	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	50
2		4,6,8-Trimethyl-1-azulenecarbal...	198	C14H14O	000832-62-2	45
3		6-Isopropyl-1,4-dimethylnaphthalene	198	C15H18	000489-77-0	38
4		2,3,4-Trimethoxybenzyl alcohol	198	C10H14O4	071989-96-3	30
5		9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081673.D
Acq On : 17 Sep 2015 9:05
Operator : UM/IZ
Sample : G3689-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LIME-TOPSOIL

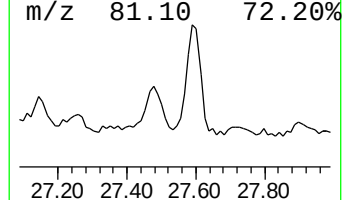
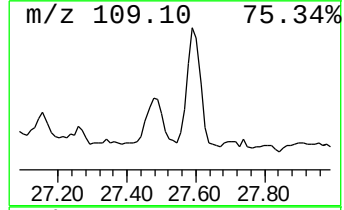
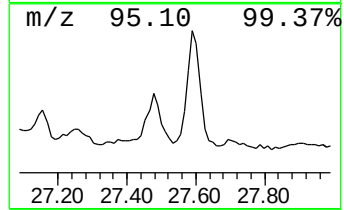
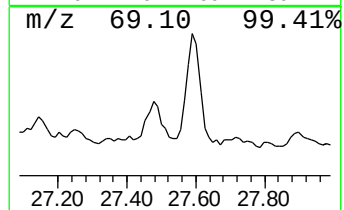
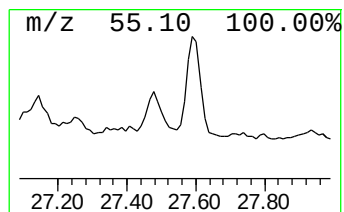
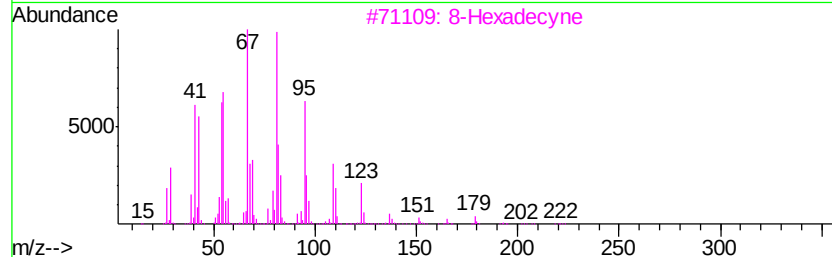
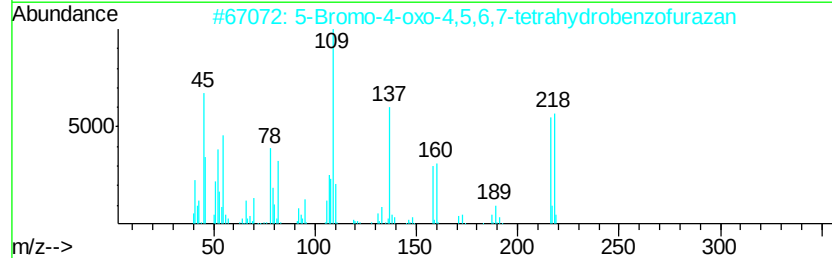
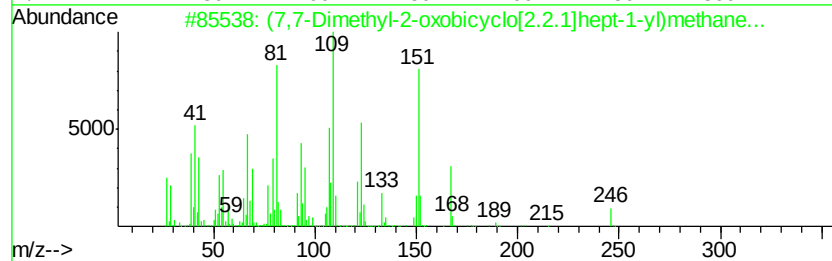
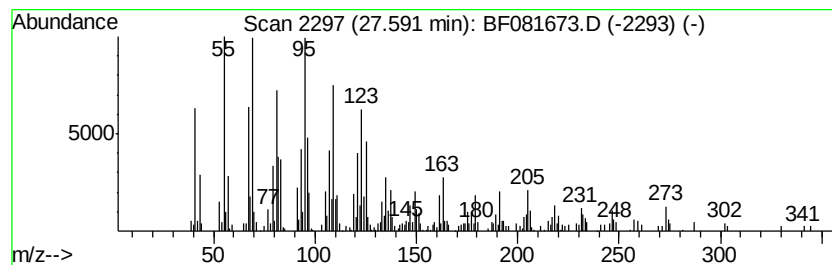
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 (7,7-Dimethyl-2-oxobicyclo[...] Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.59	43.58 ng	683738	Perylene-d12	24.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	246	C11H18O4S	1000197-55-6	81
2		5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	68
3		8-Hexadecyne	222	C16H30	019781-86-3	55
4		7-Hexadecyne	222	C16H30	074685-28-2	50
5		Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
 Data File : BF081673.D
 Acq On : 17 Sep 2015 9:05
 Operator : UM/IZ
 Sample : G3689-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIME-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.47	44.7	ng	671929	1	8.18	300876	20.0
unknown7.70	7.70	83.0	ng	1249120	1	8.18	300876	20.0
n-Hexadecanoic acid	20.49	26.6	ng	413022	4	18.72	310533	20.0
Octacosane	24.62	107.6	ng	1688190	6	24.80	313801	20.0
Tetratriacontane	25.20	88.8	ng	1393870	6	24.80	313801	20.0
Cyclohexane, 1,4-...	25.24	27.4	ng	430057	6	24.80	313801	20.0
Vitamin E	25.37	27.8	ng	435428	6	24.80	313801	20.0
Pentadecane	25.94	31.6	ng	495588	6	24.80	313801	20.0
.beta.-Sitosterol	26.25	108.7	ng	1706110	6	24.80	313801	20.0
unknown26.32	26.32	20.5	ng	322233	6	24.80	313801	20.0
3-Methoxy-6,7,8,9...	26.37	42.6	ng	668700	6	24.80	313801	20.0
unknown26.45	26.45	24.7	ng	387285	6	24.80	313801	20.0
5-(1-Naphthyl)tri...	26.53	81.2	ng	1273410	6	24.80	313801	20.0
unknown26.60	26.60	43.1	ng	677062	6	24.80	313801	20.0
2-Isopropenyl-4a,...	26.77	78.9	ng	1238510	6	24.80	313801	20.0
Pregn-4-ene-3,20-...	26.92	24.3	ng	381497	6	24.80	313801	20.0
Azulene, 1,4-dime...	27.15	28.2	ng	442644	6	24.80	313801	20.0
(7,7-Dimethyl-2-o...	27.59	43.6	ng	683738	6	24.80	313801	20.0