

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081193.D
 Acq On : 25 Aug 2015 4:14
 Operator : UM/IZ
 Sample : G3385-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

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-BF081715.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	4.653	239	242	246	rBV	851920	1368522	59.58%	3.569%
2	4.721	246	248	251	rVB	68980	73696	3.21%	0.192%
3	5.110	280	282	285	rBV	1749154	1910710	83.19%	4.983%
4	6.196	373	377	379	rBV	1949723	2296788	100.00%	5.990%
5	6.310	384	387	389	rVV	1949924	2079972	90.56%	5.424%
6	6.367	389	392	393	rVV	61048	47218	2.06%	0.123%
7	6.539	405	407	411	rBV	557470	492847	21.46%	1.285%
8	6.699	418	421	423	rBV	1580021	1549552	67.47%	4.041%
9	7.110	454	457	460	rBV	1236255	1201464	52.31%	3.133%
10	7.407	482	483	486	rBV	60599	78603	3.42%	0.205%
11	7.773	512	515	517	rVB	128324	113857	4.96%	0.297%
12	7.830	517	520	522	rBV	451677	572423	24.92%	1.493%
13	8.333	562	564	566	rBV	386269	332099	14.46%	0.866%
14	8.619	588	589	596	rBV	269708	303536	13.22%	0.792%
15	8.905	611	614	616	rBV	2244887	1960440	85.36%	5.113%
16	9.305	647	649	651	rBV	631030	517762	22.54%	1.350%
17	9.396	655	657	659	rBV	101748	135399	5.90%	0.353%
18	9.430	659	660	662	rVB	68306	52687	2.29%	0.137%
19	9.568	670	672	674	rBV	716034	608999	26.52%	1.588%
20	9.728	684	686	688	rBV	45420	57774	2.52%	0.151%
21	9.808	691	693	694	rBV	35327	46683	2.03%	0.122%
22	9.945	704	705	708	rVV	41532	54167	2.36%	0.141%
23	10.025	708	712	714	rVB3	26864	47184	2.05%	0.123%
24	10.139	719	722	724	rVB	382856	471535	20.53%	1.230%
25	10.219	726	729	730	rBV	78072	103544	4.51%	0.270%
26	10.253	730	732	738	rVB3	69191	118295	5.15%	0.308%
27	10.356	738	741	743	rBV	863144	1154971	50.29%	3.012%
28	10.391	743	744	748	rVB3	27029	49367	2.15%	0.129%
29	10.493	749	753	755	rBV	47576	72185	3.14%	0.188%
30	10.608	759	763	764	rBV2	51101	94192	4.10%	0.246%
31	10.745	772	775	776	rBV2	57050	68050	2.96%	0.177%
32	10.791	776	779	781	rBV	44001	55354	2.41%	0.144%
33	10.916	786	790	793	rBV2	220734	373369	16.26%	0.974%
34	11.042	798	801	804	rVV	443632	969391	42.21%	2.528%

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35	11.111	804	807	809	rVB	181822	175474	7.64%	0.458%
36	11.271	818	821	822	rBV	67053	77141	3.36%	0.201%
37	11.305	822	824	828	rVV3	99989	159465	6.94%	0.416%
38	11.362	828	829	832	rVB2	58137	52549	2.29%	0.137%
39	11.534	841	844	845	rBV	105241	112559	4.90%	0.294%
40	11.568	845	847	848	rVV	88404	120581	5.25%	0.314%
41	11.602	848	850	852	rVV2	375630	439980	19.16%	1.147%
42	11.648	852	854	858	rVV2	146928	324938	14.15%	0.847%
43	11.842	866	871	874	rVB3	102833	253908	11.05%	0.662%
44	11.956	879	881	884	rBV2	472683	610036	26.56%	1.591%
45	12.014	884	886	889	rBV	138564	187588	8.17%	0.489%
46	12.059	889	890	891	rBV	176346	135338	5.89%	0.353%
47	12.242	903	906	908	rBV	1010658	1014799	44.18%	2.646%
48	12.299	908	911	915	rVV2	153207	267823	11.66%	0.698%
49	12.379	916	918	922	rVV3	214736	369728	16.10%	0.964%
50	12.459	922	925	927	rVV2	877857	1065501	46.39%	2.779%
51	12.516	927	930	932	rVV3	113959	188913	8.23%	0.493%
52	12.585	934	936	937	rBV	63514	55115	2.40%	0.144%
53	12.619	937	939	942	rVV	1399128	1581013	68.84%	4.123%
54	12.688	942	945	948	rVV3	64954	94269	4.10%	0.246%
55	12.745	948	950	951	rVV	375713	429352	18.69%	1.120%
56	12.791	951	954	956	rVB	159760	231715	10.09%	0.604%
57	12.859	958	960	962	rBV2	108588	177456	7.73%	0.463%
58	12.894	962	963	964	rVV	121815	98445	4.29%	0.257%
59	12.962	967	969	972	rBV2	562561	585360	25.49%	1.527%
60	13.019	972	974	976	rVV2	45458	65733	2.86%	0.171%
61	13.099	978	981	985	rVB6	44903	85600	3.73%	0.223%
62	13.179	985	988	990	rBV2	127532	189423	8.25%	0.494%
63	13.214	990	991	995	rVB3	66121	81185	3.53%	0.212%
64	13.294	995	998	1001	rVB	83892	122013	5.31%	0.318%
65	13.397	1005	1007	1009	rBV	163525	212877	9.27%	0.555%
66	13.431	1009	1010	1011	rVV	75550	76224	3.32%	0.199%
67	13.499	1015	1016	1018	rVB	89304	73209	3.19%	0.191%
68	13.545	1018	1020	1023	rBV2	161915	266471	11.60%	0.695%
69	13.602	1023	1025	1027	rVV2	401206	619437	26.97%	1.615%
70	13.648	1027	1029	1031	rVV2	675425	1273406	55.44%	3.321%
71	13.751	1035	1038	1040	rBV2	71859	101804	4.43%	0.265%

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72	13.842	1044	1046	1053	rVB5	147867	327025	14.24%	0.853%
73	13.979	1055	1058	1060	rBV2	54946	126990	5.53%	0.331%
74	14.037	1061	1063	1065	rVV	210559	214714	9.35%	0.560%
75	14.071	1065	1066	1068	rVB	57363	49677	2.16%	0.130%
76	14.174	1072	1075	1079	rBV2	260635	454592	19.79%	1.186%
77	14.448	1094	1099	1101	rBV5	61777	134436	5.85%	0.351%
78	14.528	1102	1106	1108	rVB4	48895	110703	4.82%	0.289%
79	14.642	1113	1116	1122	rVV	428854	984756	42.88%	2.568%
80	14.734	1122	1124	1126	rVV2	169497	278081	12.11%	0.725%
81	14.768	1126	1127	1135	rVV4	141299	413365	18.00%	1.078%
82	14.882	1135	1137	1139	rVV	276509	339745	14.79%	0.886%
83	14.928	1139	1141	1144	rVV	290840	419712	18.27%	1.095%
84	14.985	1144	1146	1155	rVV2	331261	580128	25.26%	1.513%
85	15.111	1155	1157	1159	rVV3	37262	68932	3.00%	0.180%
86	15.180	1161	1163	1167	rVB3	82648	124525	5.42%	0.325%
87	15.397	1179	1182	1185	rBV2	469114	749513	32.63%	1.955%
88	15.465	1185	1188	1194	rVB5	55232	180126	7.84%	0.470%
89	15.728	1208	1211	1213	rVB3	23566	46532	2.03%	0.121%
90	15.900	1224	1226	1232	rVB4	46994	109760	4.78%	0.286%
91	16.037	1233	1238	1243	rVB5	31082	94221	4.10%	0.246%
92	16.163	1246	1249	1252	rBV2	138859	251537	10.95%	0.656%
93	16.300	1258	1261	1263	rVV	50398	83716	3.64%	0.218%
94	16.505	1276	1279	1286	rVB	104826	226419	9.86%	0.590%
95	16.643	1288	1291	1294	rBV4	44049	119572	5.21%	0.312%
96	17.431	1356	1360	1368	rVB4	44005	127950	5.57%	0.334%
97	17.660	1377	1380	1387	rVB6	24578	78689	3.43%	0.205%
98	17.854	1393	1397	1401	rVB7	17323	48408	2.11%	0.126%
99	18.277	1425	1434	1440	rVB4	27779	143483	6.25%	0.374%
100	19.237	1514	1518	1523	rVB4	14139	49352	2.15%	0.129%

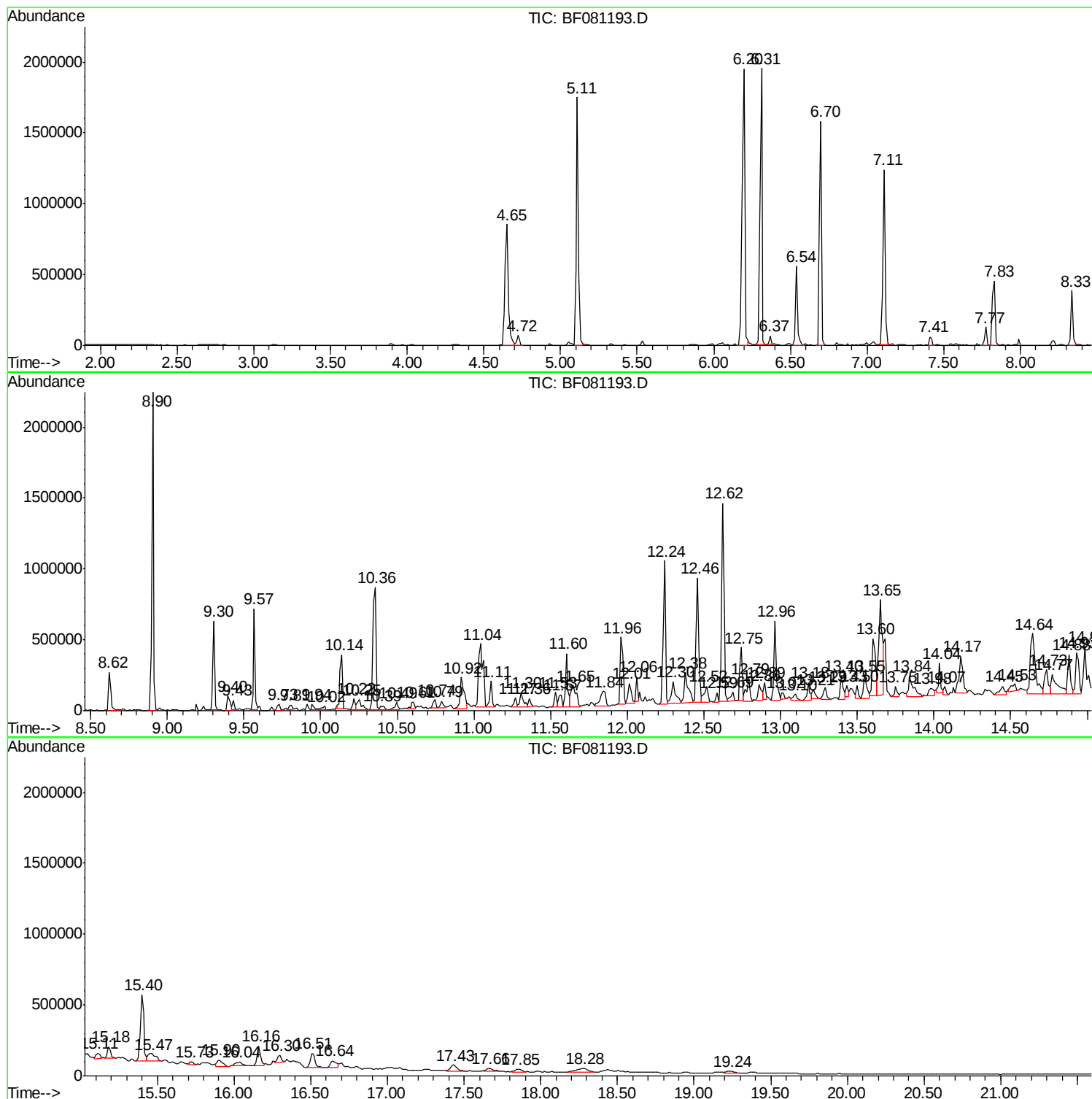
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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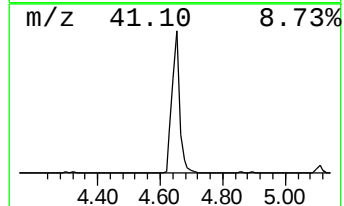
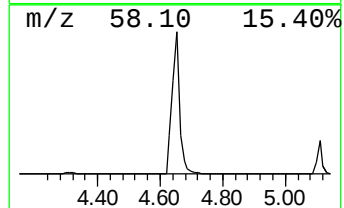
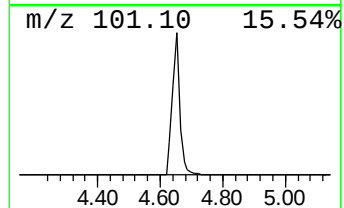
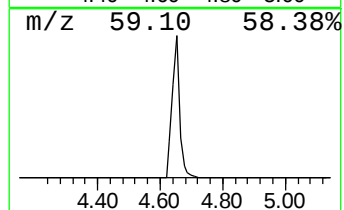
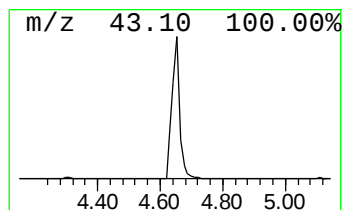
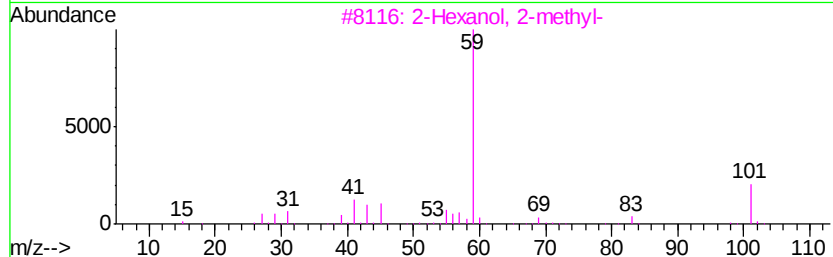
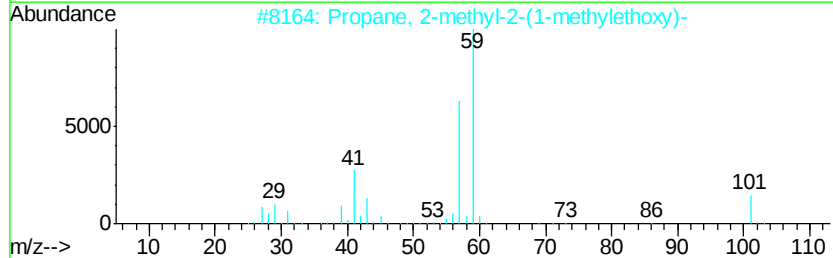
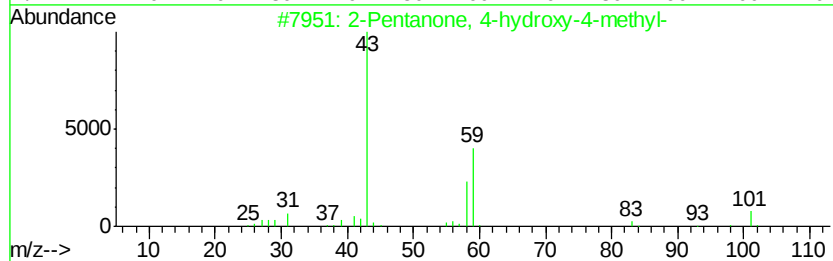
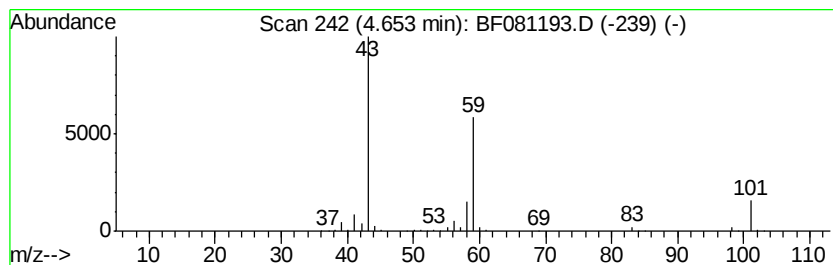
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.65	55.54 ng	1368520	1,4-Dichlorobenzene-d4	6.54

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25



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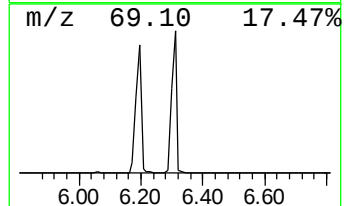
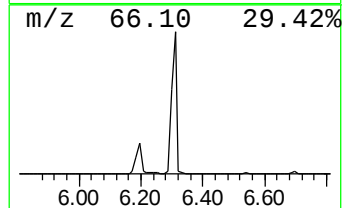
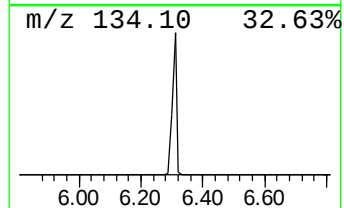
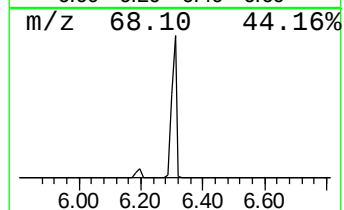
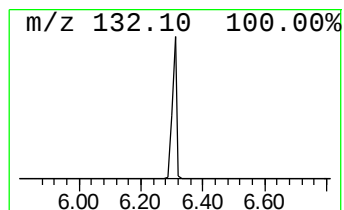
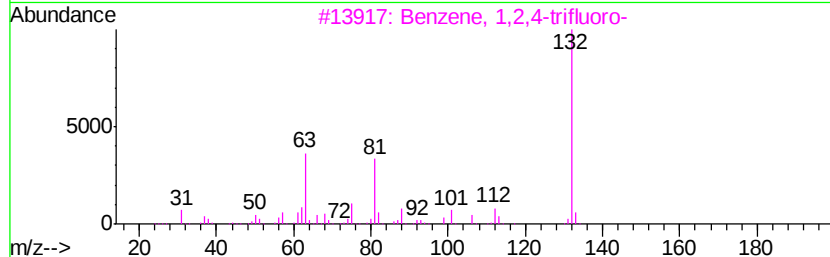
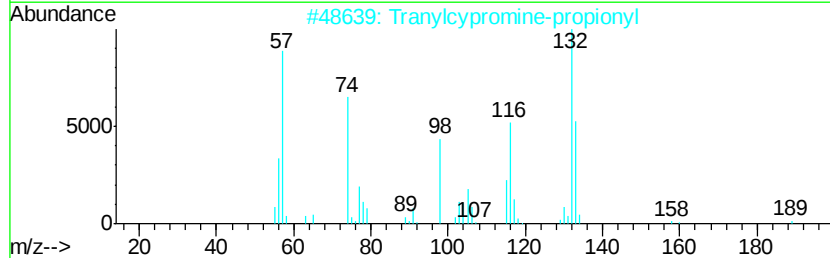
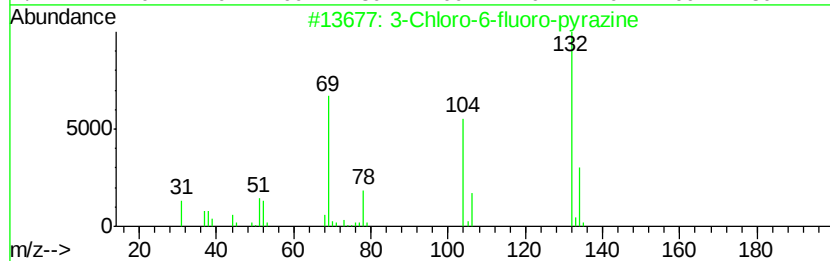
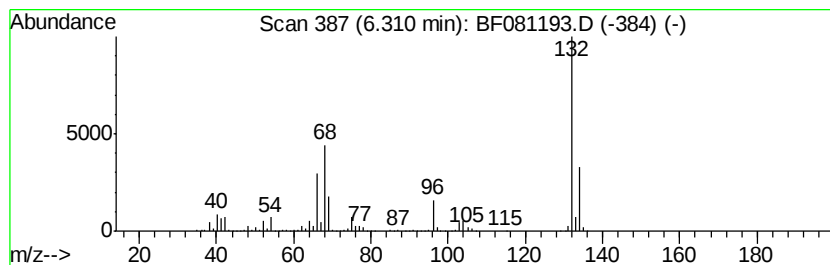
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.31 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	84.41 ng	2079970	1,4-Dichlorobenzene-d4	6.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



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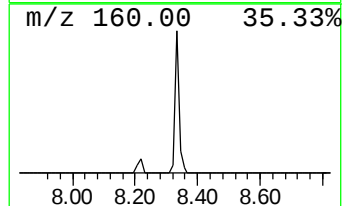
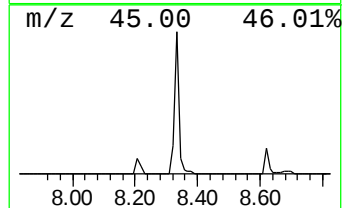
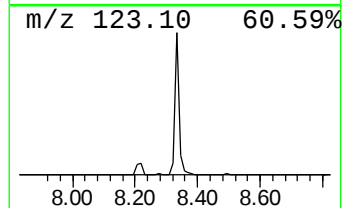
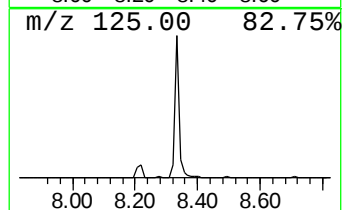
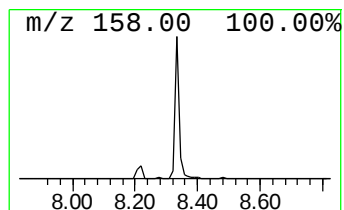
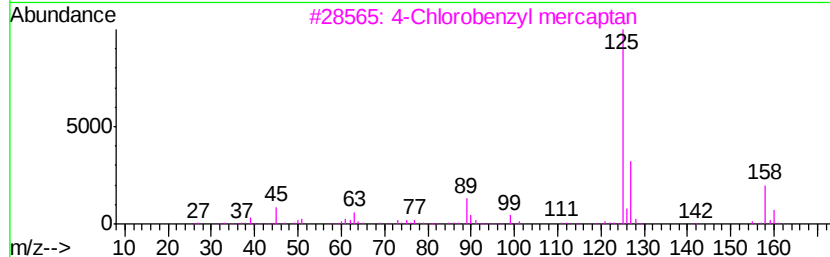
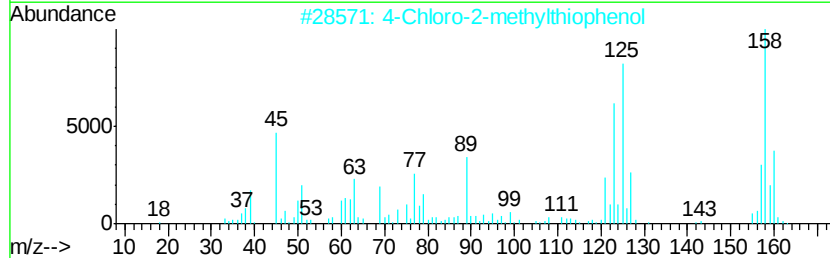
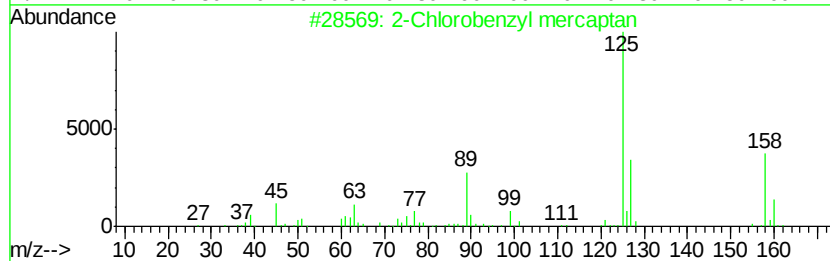
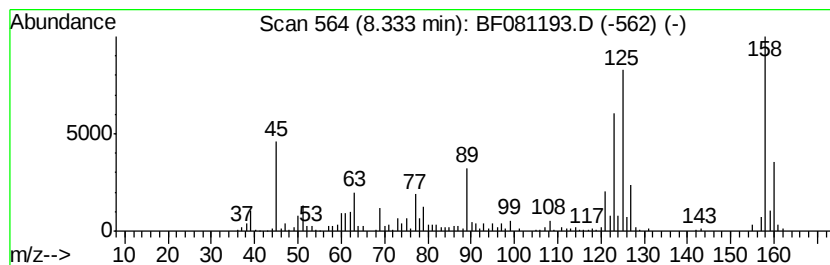
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TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Chlorobenzyl mercaptan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	11.60 ng	332099	Napthalene-d8	7.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Chlorobenzyl mercaptan	158	C7H7ClS	017733-22-1	96
2		4-Chloro-2-methylthiophenol	158	C7H7ClS	017178-01-7	64
3		4-Chlorobenzyl mercaptan	158	C7H7ClS	006258-66-8	60
4		Chloromethyl phenyl sulfide	158	C7H7ClS	007205-91-6	46
5		Benzene, 2,4-dichloro-1-methyl-	160	C7H6Cl2	000095-73-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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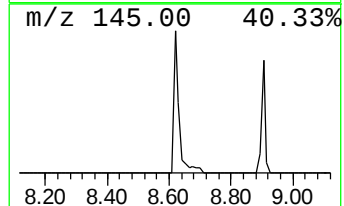
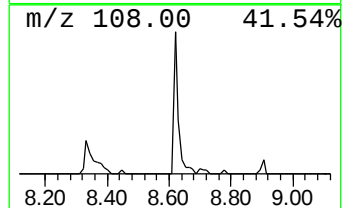
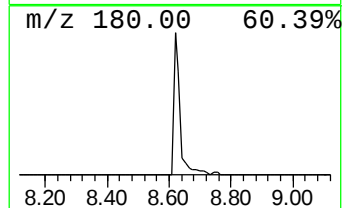
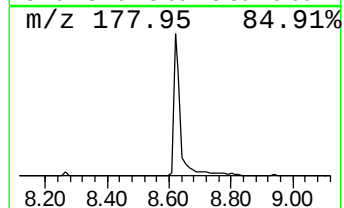
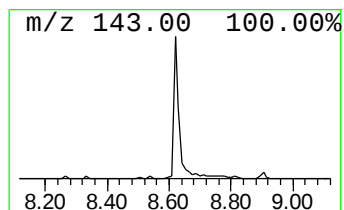
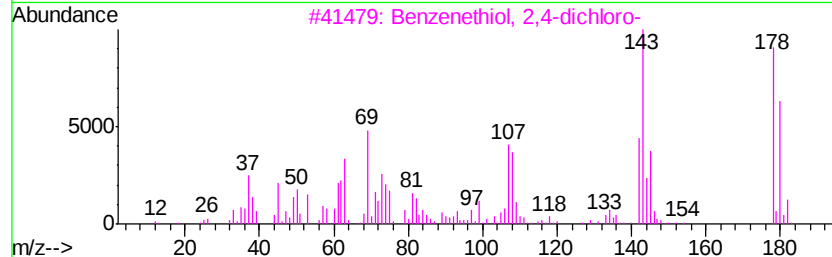
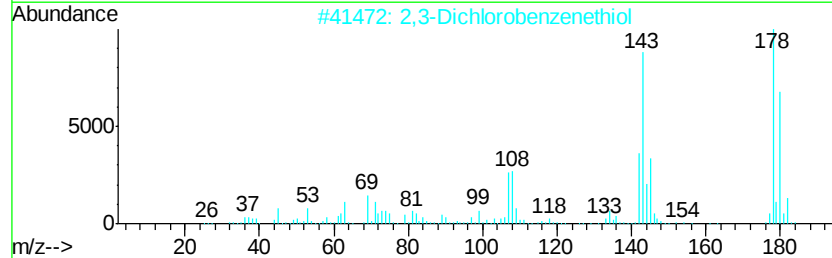
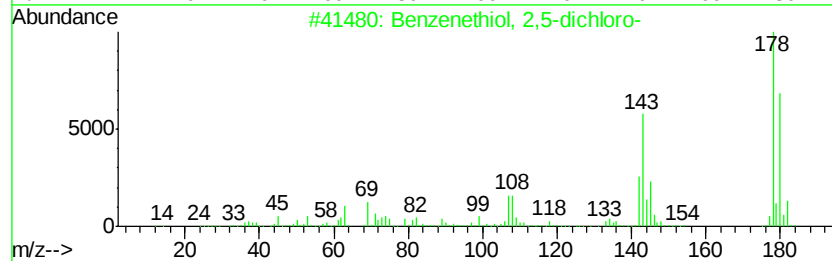
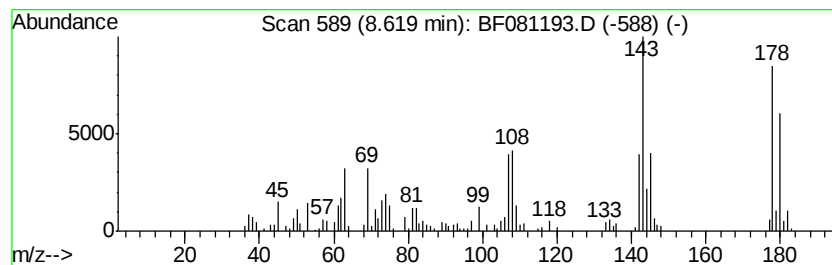
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzenethiol, 2,5-dichloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	10.61 ng	303536	Napthalene-d8	7.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzenethiol, 2,5-dichloro-	178	C6H4Cl2S	005858-18-4	98
2		2,3-Dichlorobenzenethiol	178	C6H4Cl2S	017231-95-7	98
3		Benzenethiol, 2,4-dichloro-	178	C6H4Cl2S	001122-41-4	96
4		2,6-Dichlorobenzenethiol	178	C6H4Cl2S	024966-39-0	95
5		3,4-Dichlorobenzenethiol	178	C6H4Cl2S	005858-17-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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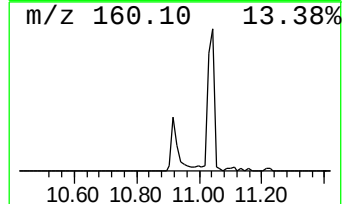
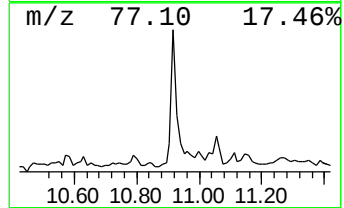
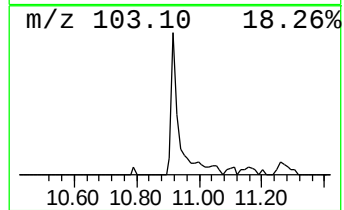
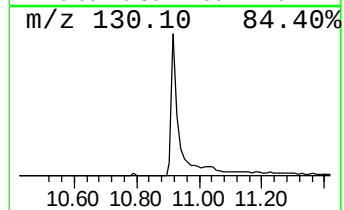
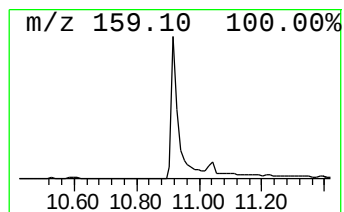
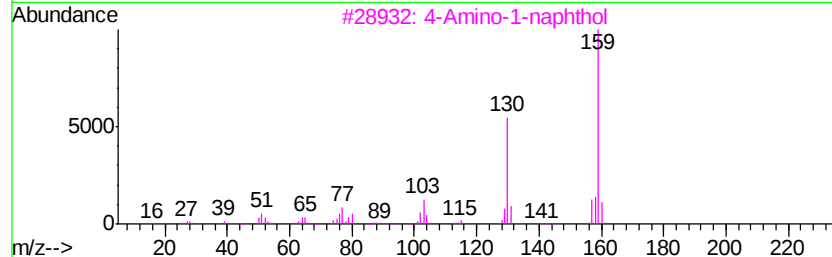
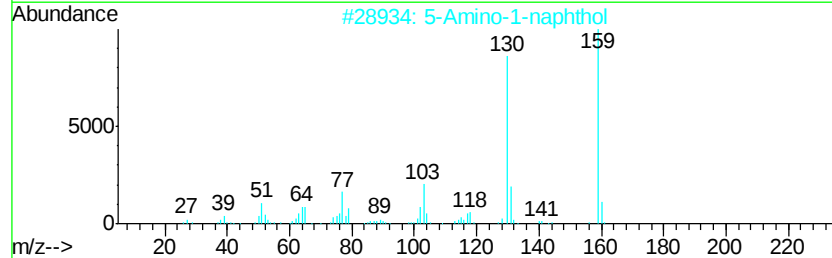
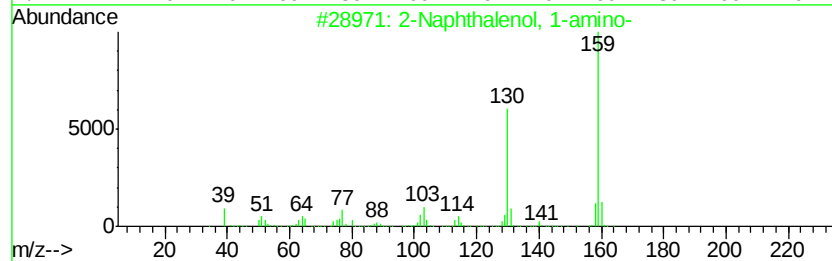
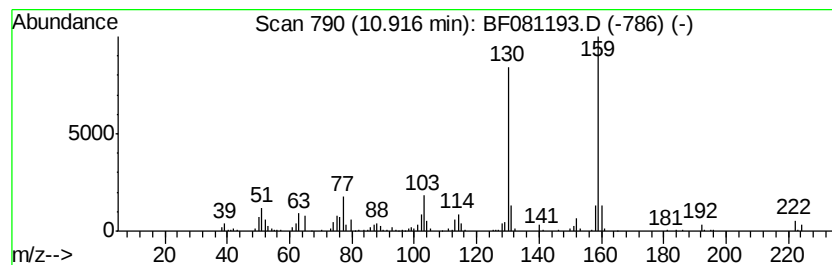
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2-Naphthalenol, 1-amino- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	7.70 ng	373369	Phenanthrene-d10	11.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	94
2		5-Amino-1-naphthol	159	C10H9NO	000083-55-6	90
3		4-Amino-1-naphthol	159	C10H9NO	002834-90-4	90
4		2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	90
5		1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
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Instrument :
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ClientSampleId :
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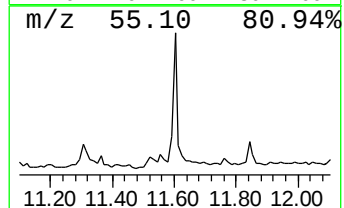
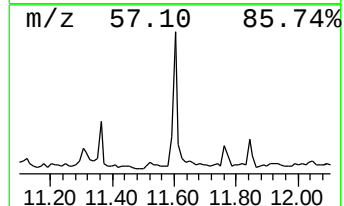
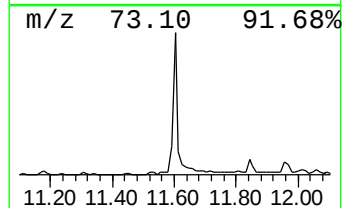
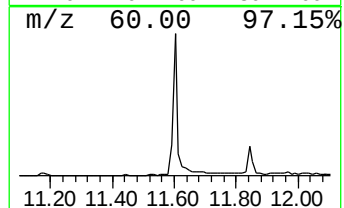
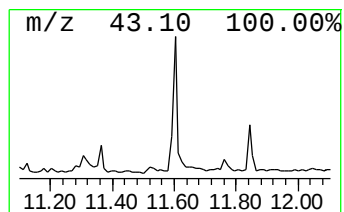
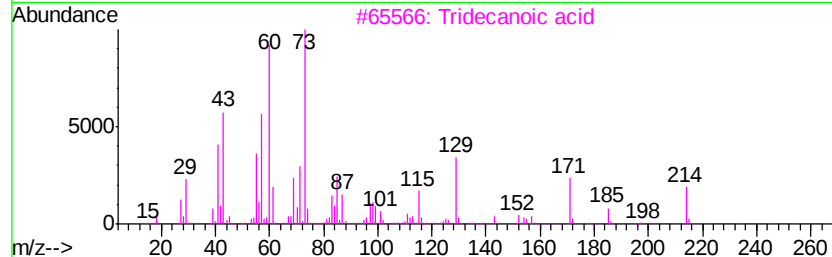
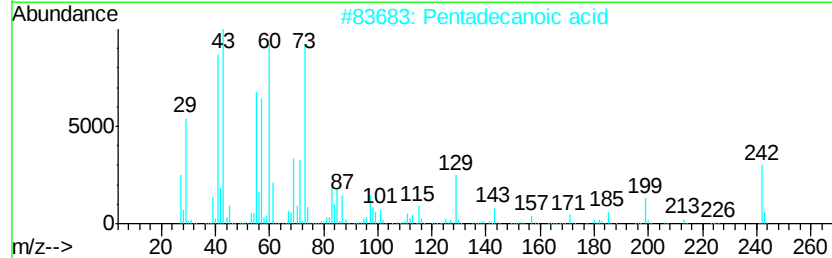
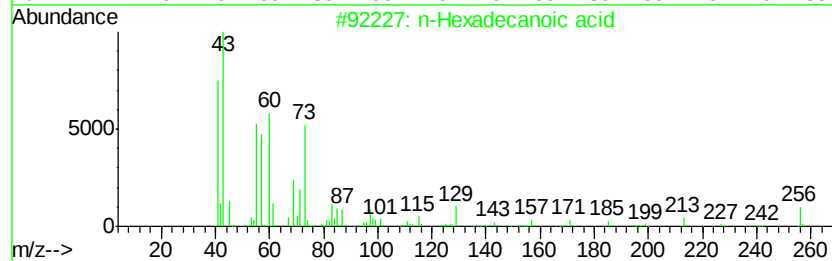
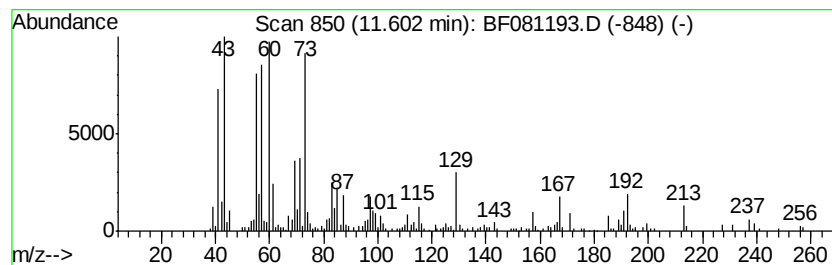
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	9.08 ng	439980	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
3	Tridecanoic acid	214	C13H26O2	000638-53-9	62
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	Undecanoic acid	186	C11H22O2	000112-37-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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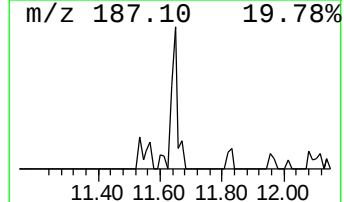
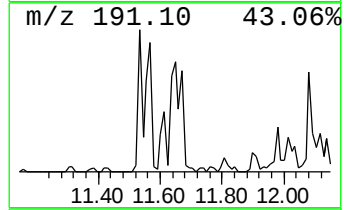
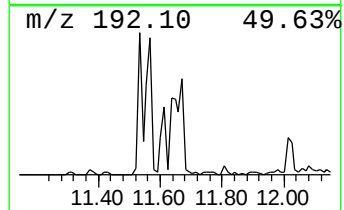
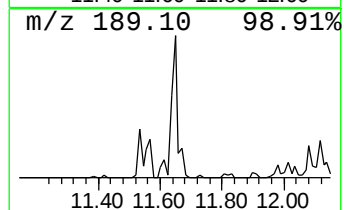
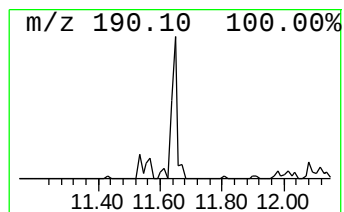
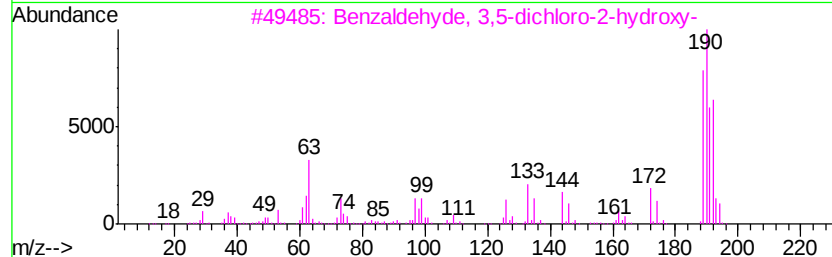
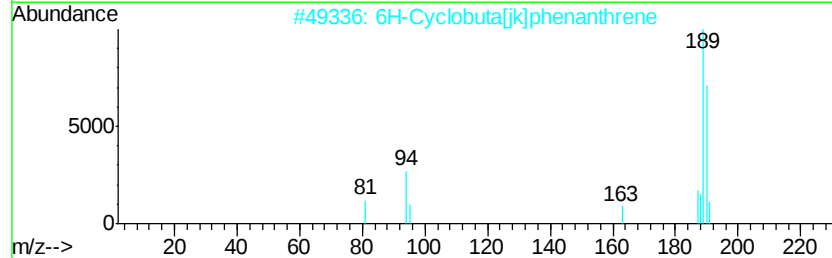
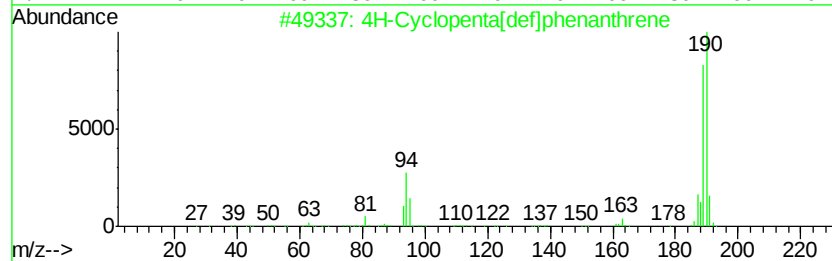
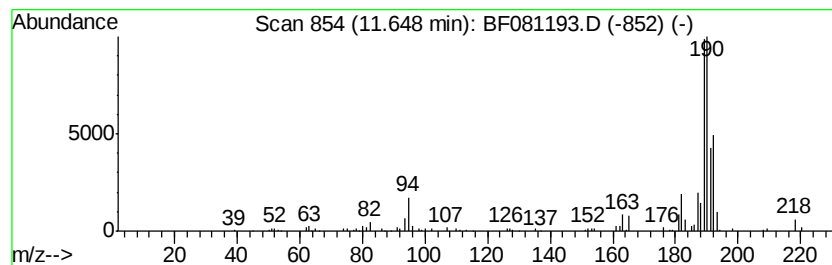
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	6.70 ng	324938	Phenanthrene-d10	11.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5		1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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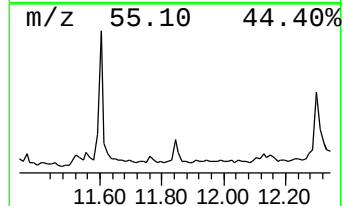
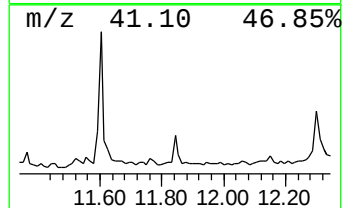
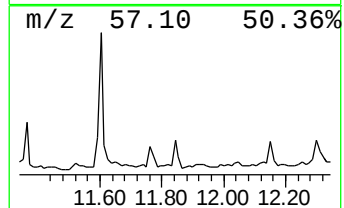
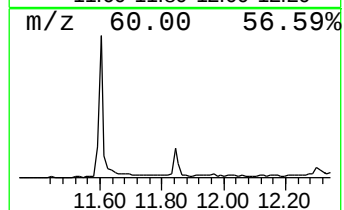
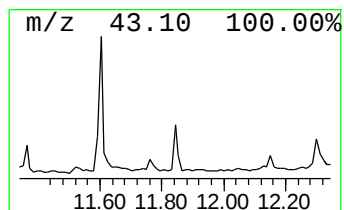
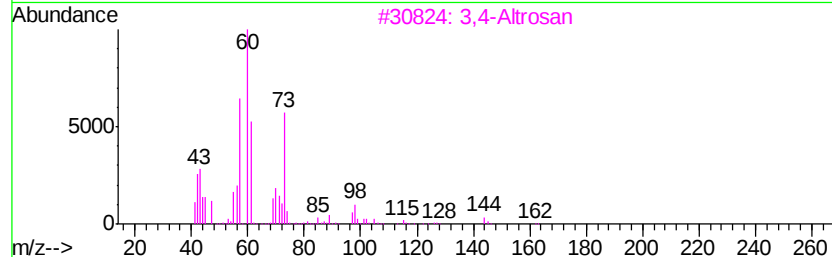
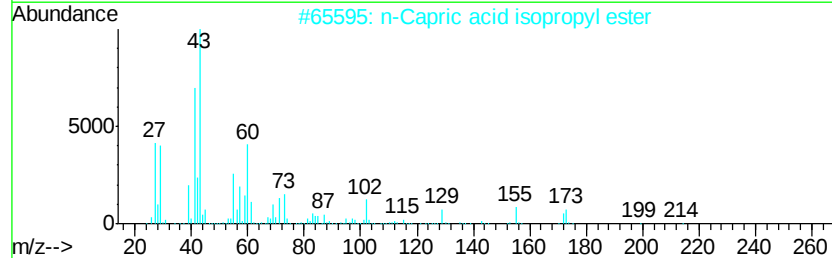
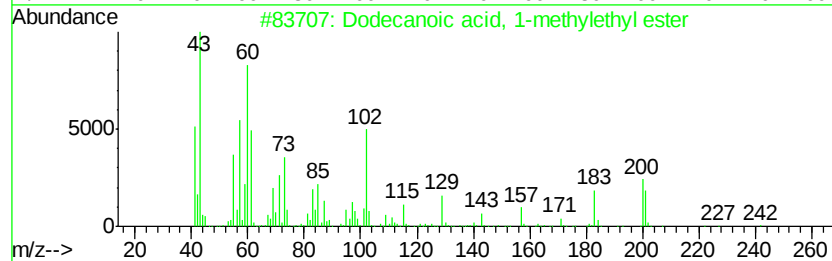
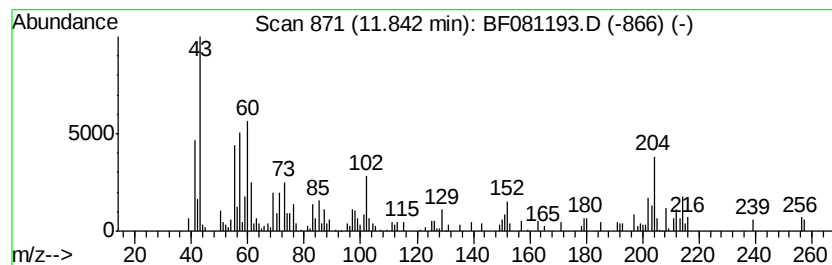
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.84 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	5.24 ng	253908	Phenanthrene-d10	11.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	43
2		n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	35
3		3,4-Altrosan	162	C6H10O5	1000129-76-4	27
4		1,3-Oxathiolane, 2-(4-chlorophen...	214	C10H11ClOS	099070-70-9	18
5		.alpha.-D-Galactopyranoside, methyl	194	C7H14O6	003396-99-4	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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ClientSampleId :
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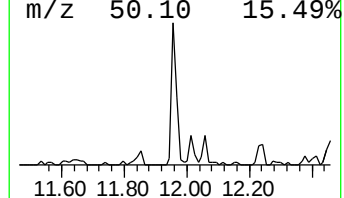
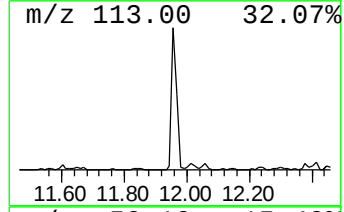
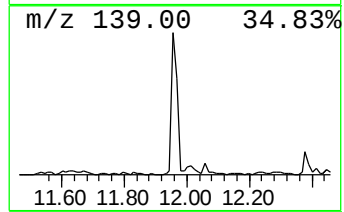
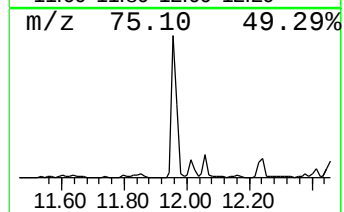
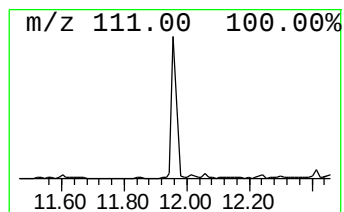
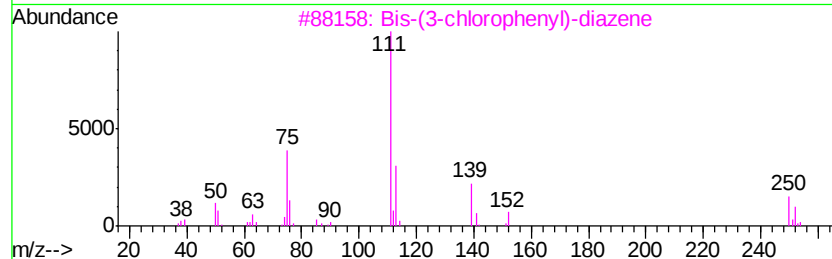
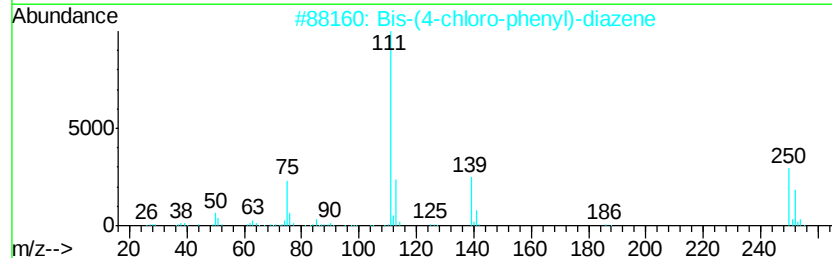
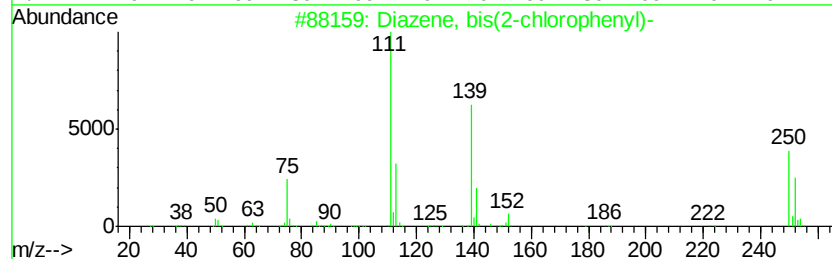
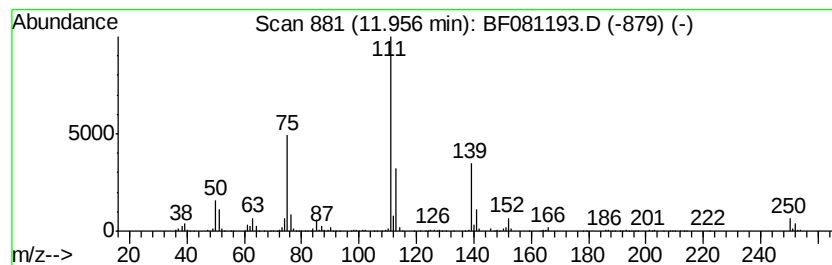
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Diazene, bis(2-chlorophenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	12.59 ng	610036	Phenanthrene-d10	11.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diazene, bis(2-chlorophenyl)-	250	C12H8Cl2N2	007334-33-0	95
2		Bis-(4-chloro-phenyl)-diazene	250	C12H8Cl2N2	1000192-28-4	93
3		Bis-(3-chlorophenyl)-diazene	250	C12H8Cl2N2	015426-14-9	93
4		Triazene, 1-methyl-1-cyanomethyl...	208	C9H9ClN4	1000274-66-0	64
5		Triazene, 3-(2-chlorophenyl)-1-(...	306	C13H11ClN4O3	1000293-97-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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Acq On : 25 Aug 2015 4:14
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Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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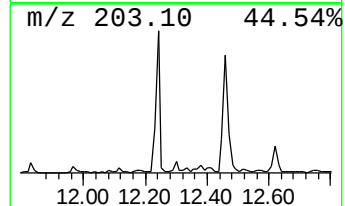
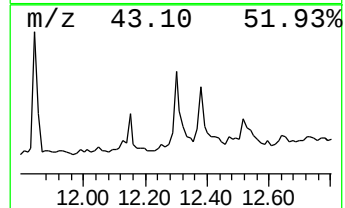
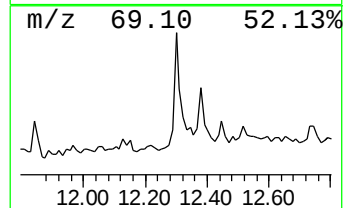
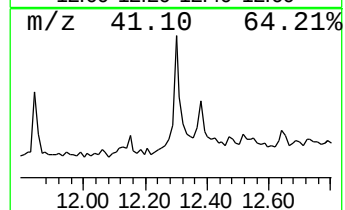
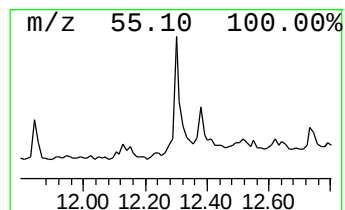
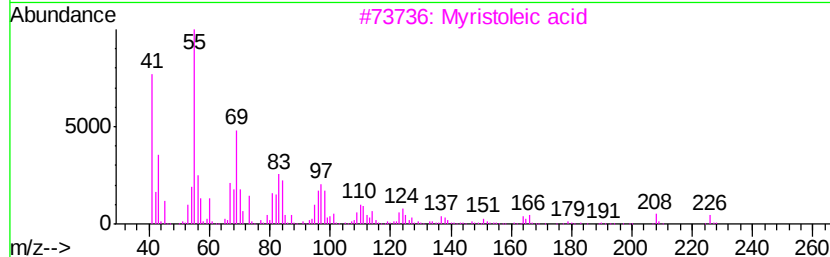
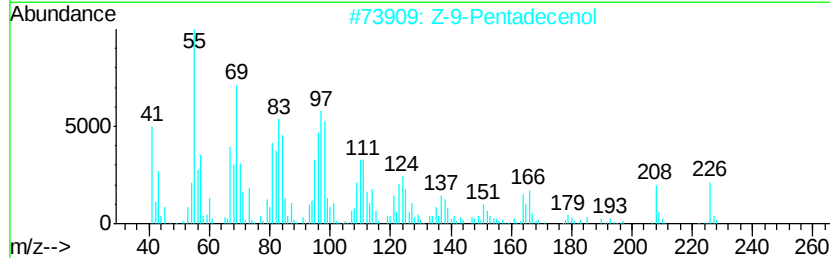
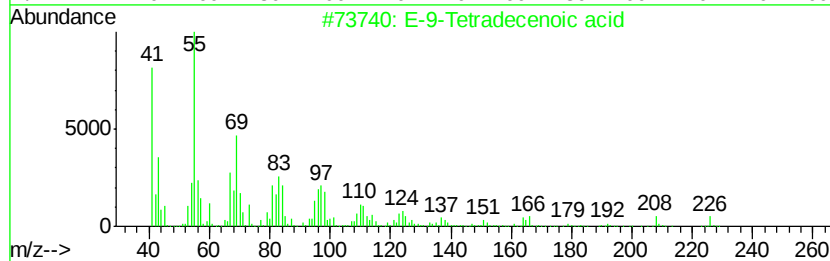
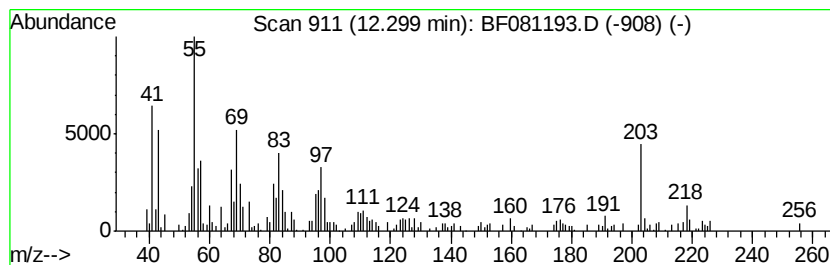
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 E-9-Tetradecenoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.53 ng	267823	Phenanthrene-d10	11.04

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	87	
2	Z-9-Pentadecenol	226	C15H30O	1000130-76-9	84	
3	Myristoleic acid	226	C14H26O2	000544-64-9	59	
4	Z-7-Tetradecenoic acid	226	C14H26O2	1000130-98-4	56	
5	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	49	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

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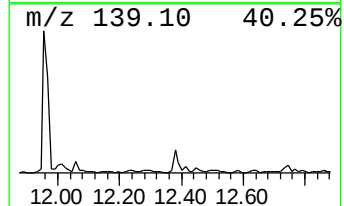
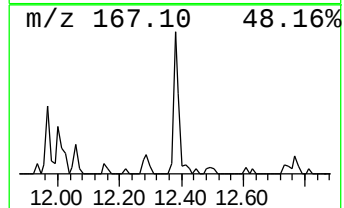
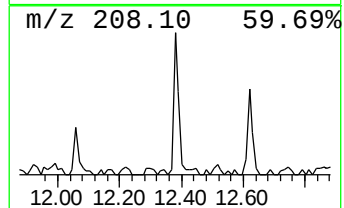
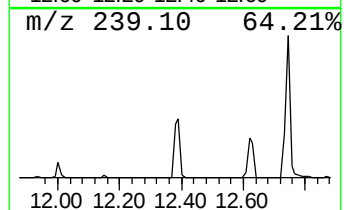
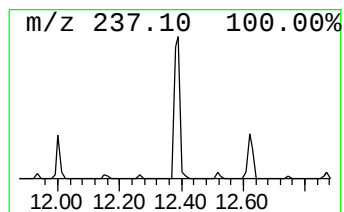
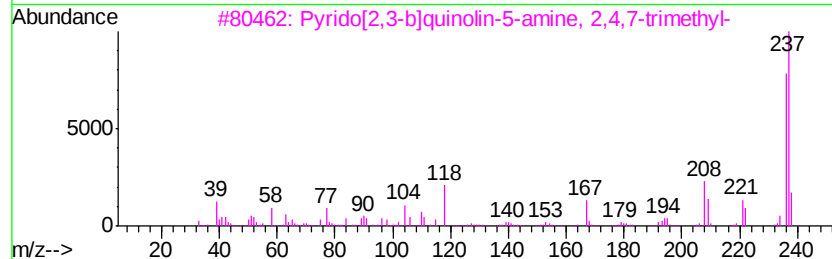
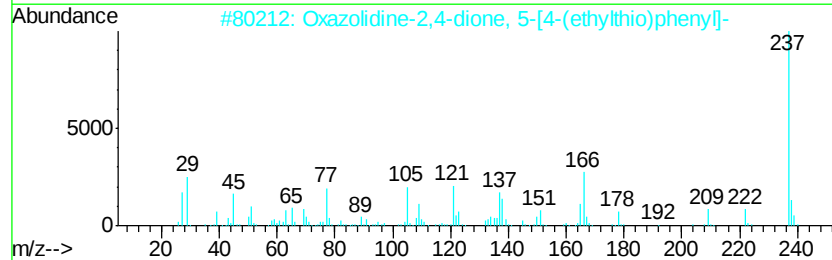
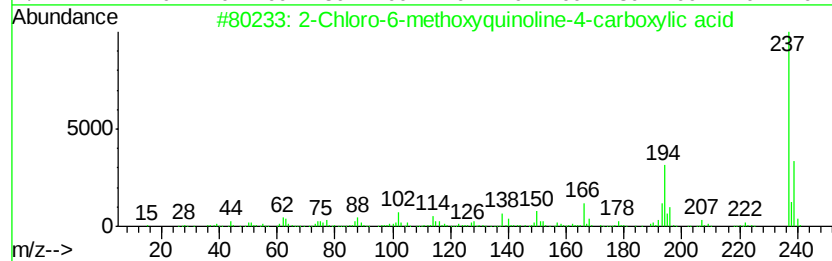
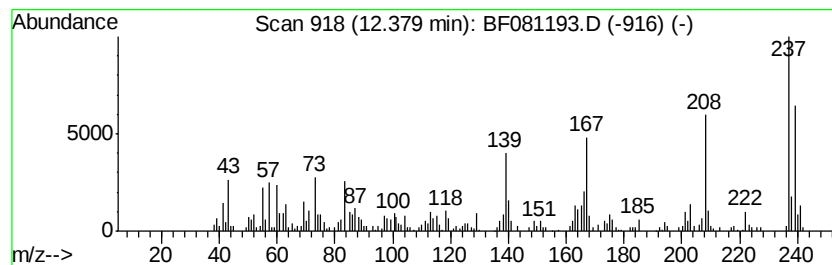
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.38 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	5.81 ng	369728	Chrysene-d12	13.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Chloro-6-methoxyquinoline-4-ca...	237	C11H8ClN03	020335-34-6	38
2			Oxazolidine-2,4-dione, 5-[4-(eth...	237	C11H11N03S	1000159-28-3	30
3			Pyrido[2,3-b]quinolin-5-amine, 2...	237	C15H15N3	082756-23-8	25
4			3-Bromo-4-methoxyquinoline	237	C10H8BrNO	036255-25-1	22
5			2-(p-(Dimethylamino)phenyl)benzi...	237	C15H15N3	002562-71-2	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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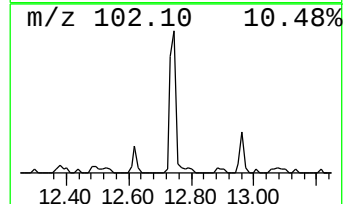
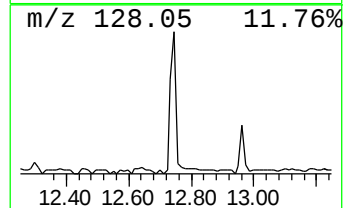
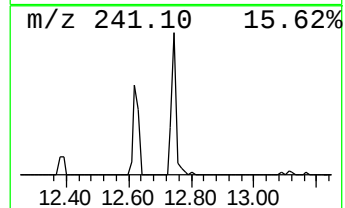
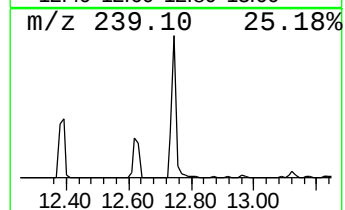
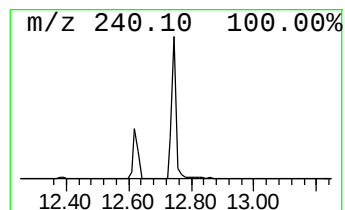
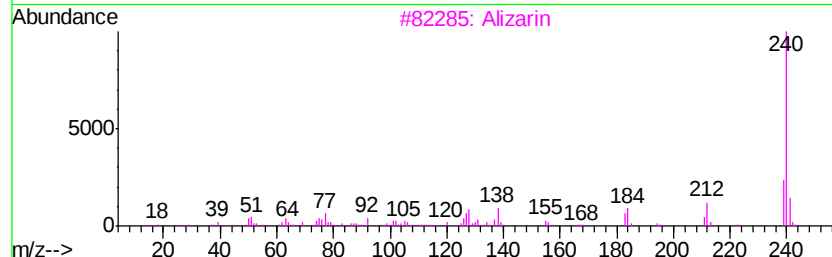
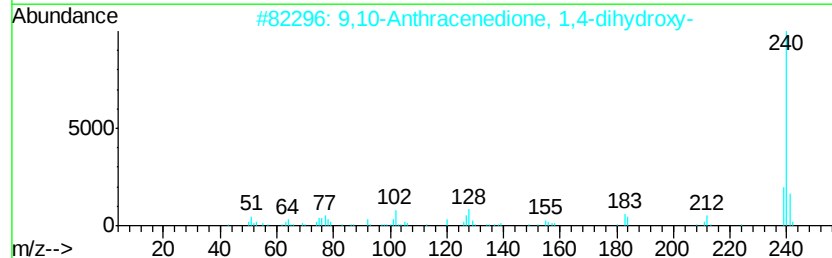
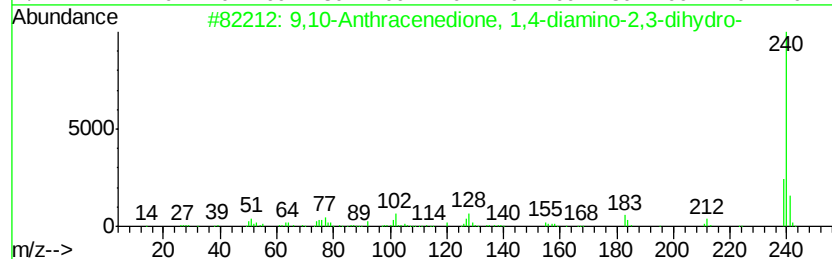
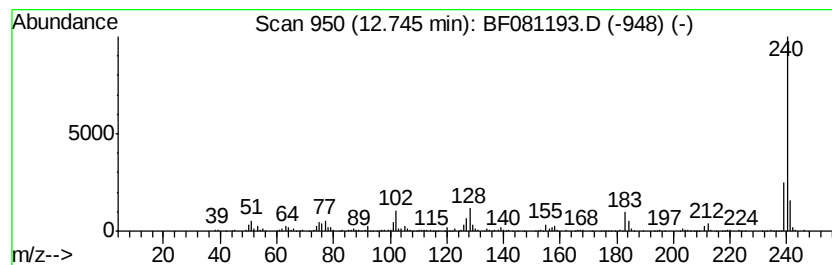
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione, 1,4-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	6.74 ng	429352	Chrysene-d12	13.65

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione, 1,4-diamin...	240	C14H12N2O2	000081-63-0	98
2			9,10-Anthracenedione, 1,4-dihydr...	240	C14H8O4	000081-64-1	97
3			Alizarin	240	C14H8O4	000072-48-0	72
4			2,9-Dihydroxyanthracene-1,4-dione	240	C14H8O4	014597-19-4	72
5			Naphtho[2,1-b]furan-4-ol, 1,2-di...	240	C16H16O2	068873-20-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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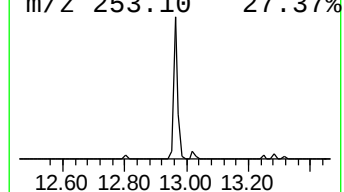
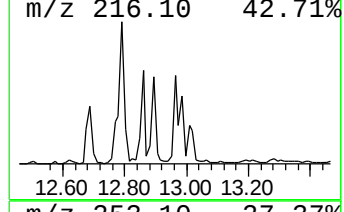
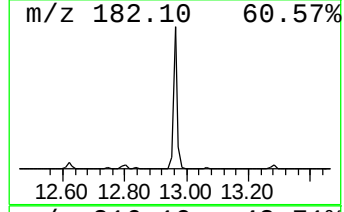
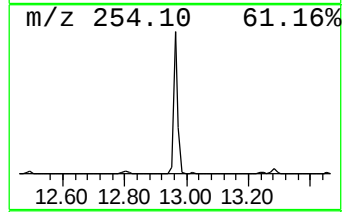
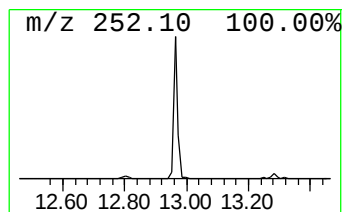
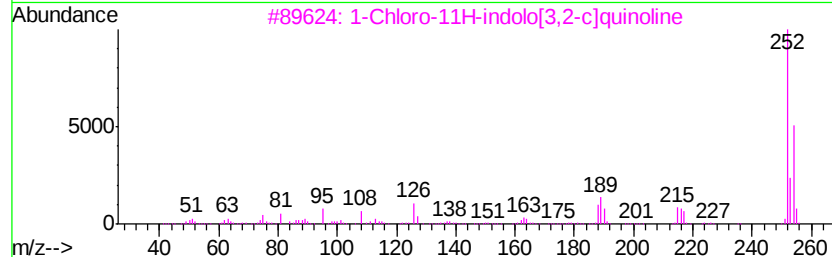
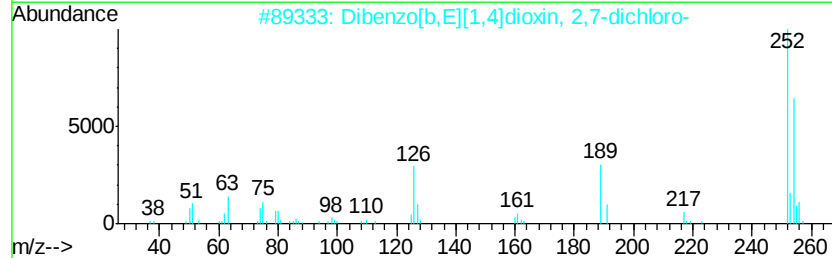
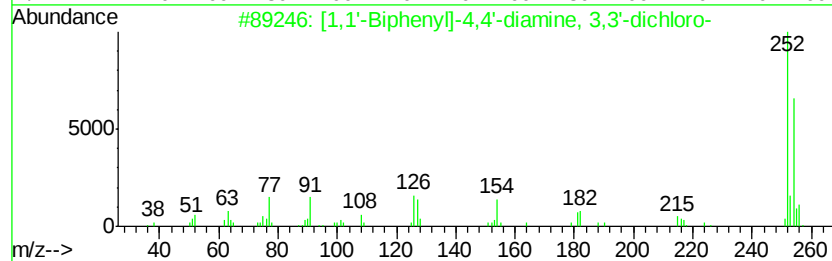
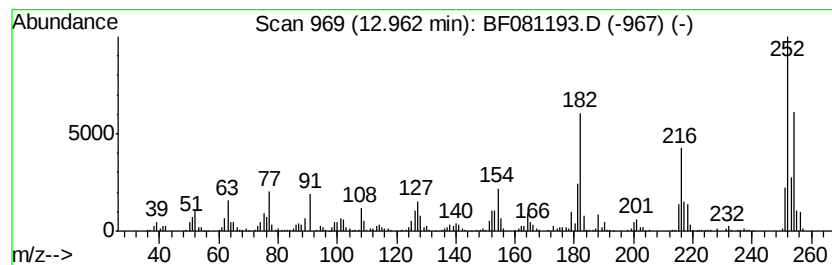
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 [1,1'-Biphenyl]-4,4'-diamin... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	9.19 ng	585360	Chrysene-d12	13.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	252	C12H10Cl2N2	000091-94-1	60
2		Dibenzo[b,E][1,4]dioxin, 2,7-dic...	252	C12H6Cl2O2	033857-26-0	50
3		1-Chloro-11H-indolo[3,2-c]quinoline	252	C15H9ClN2	155249-51-7	38
4		Benzene, 1,2,3,5-tetrachloro-4,6...	250	C6Cl4F2	001198-56-7	30
5		Thiazole, 2-amino-4-(4-biphenyl)-	252	C15H12N2S	002834-79-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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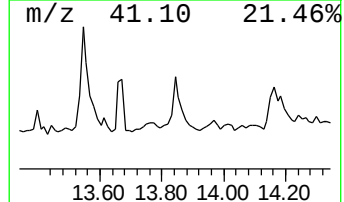
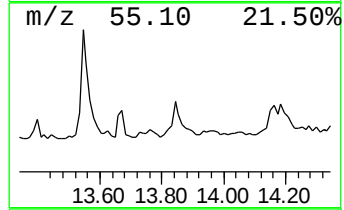
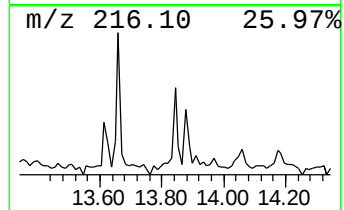
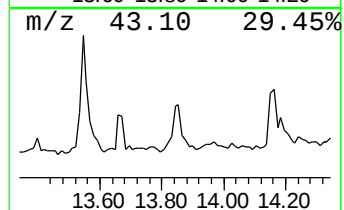
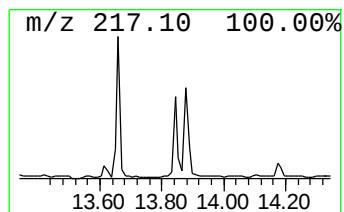
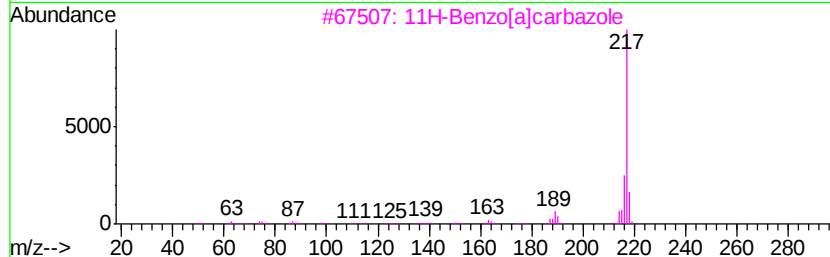
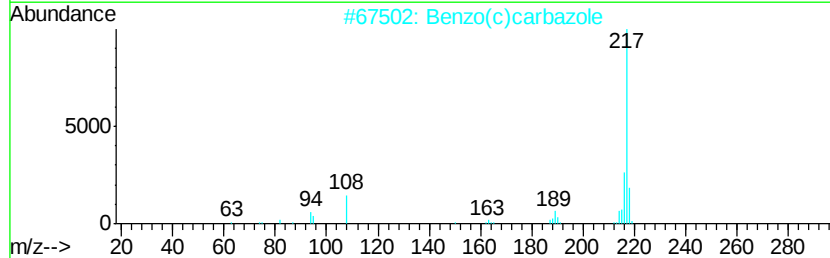
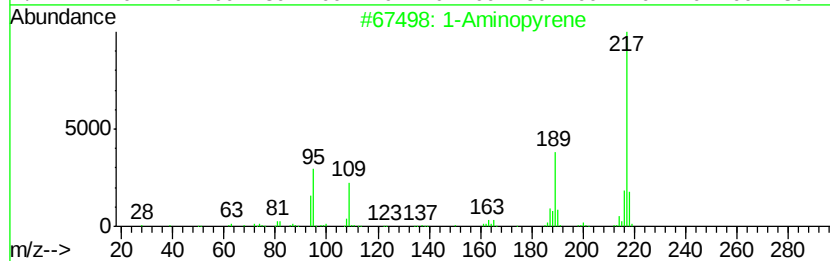
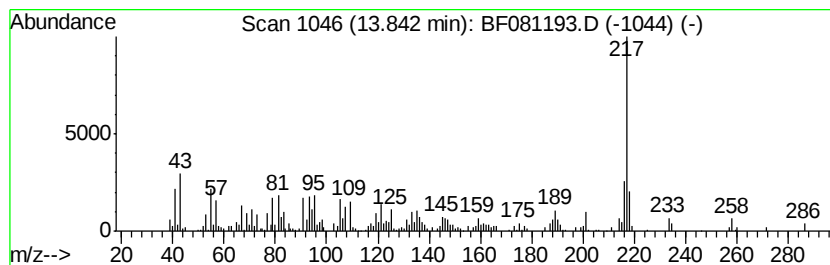
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1-Aminopyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.84	5.14 ng	327025	Chrysene-d12	13.65	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Aminopyrene	217	C16H11N	001606-67-3	86
2	Benzo(c)carbazole	217	C16H11N	034777-33-8	81
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	81
4	Benzo(b)carbazole	217	C16H11N	000243-28-7	81
5	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
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Acq On : 25 Aug 2015 4:14
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ClientSampleId :
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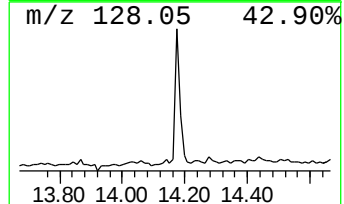
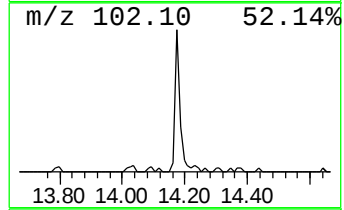
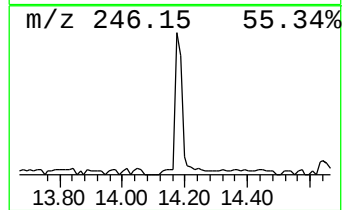
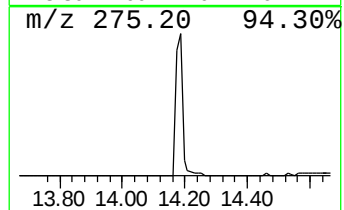
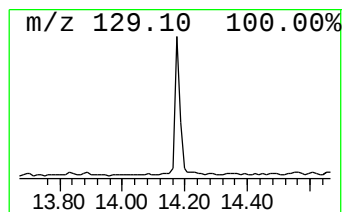
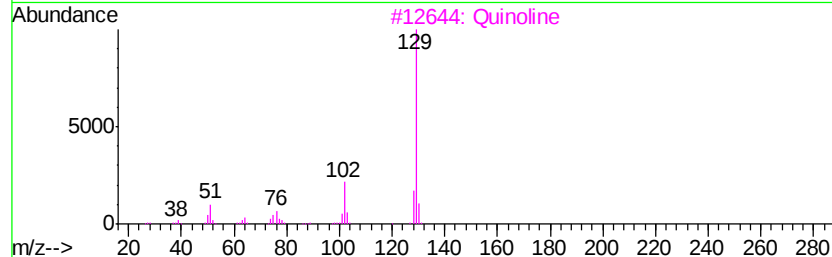
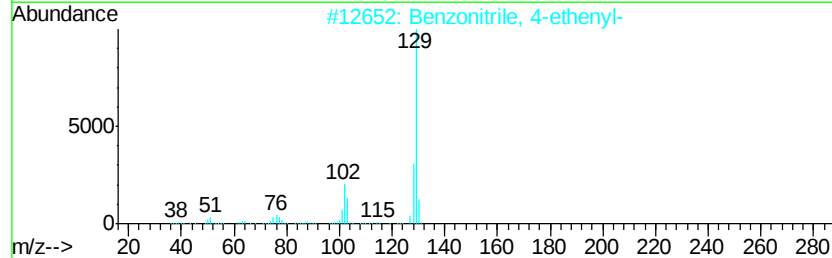
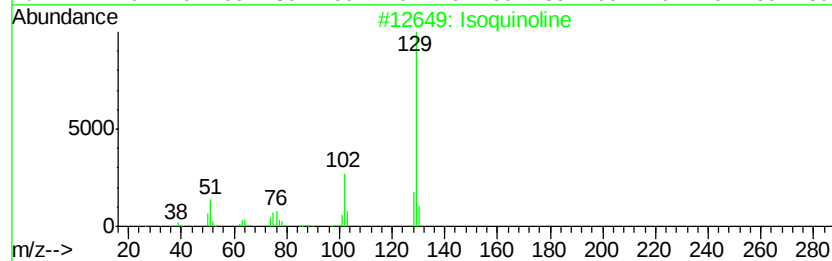
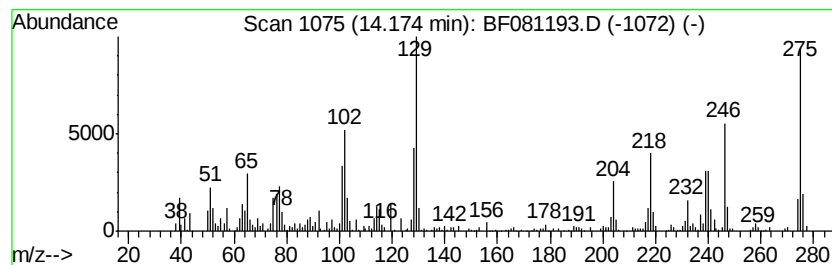
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown14.17 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	7.14 ng	454592	Chrysene-d12	13.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isoquinoline	129	C9H7N	000119-65-3	38
2		Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	38
3		Quinoline	129	C9H7N	000091-22-5	38
4		8H-Benzo[g]-1,3-benzodioxolo[6,5...	275	C17H9NO3	000475-75-2	35
5		Ethyl 2-cyano-2-(9-fluorenyliden...	275	C18H13NO2	014003-25-9	20



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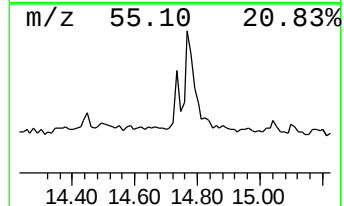
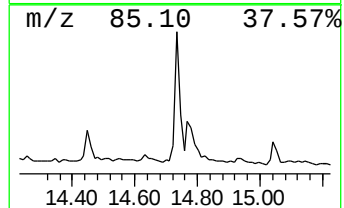
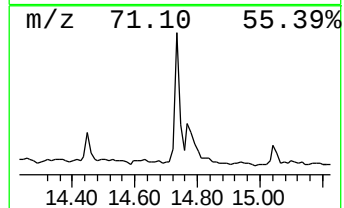
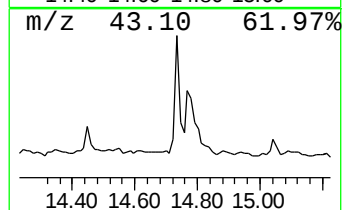
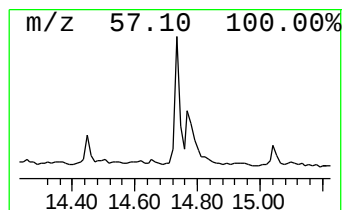
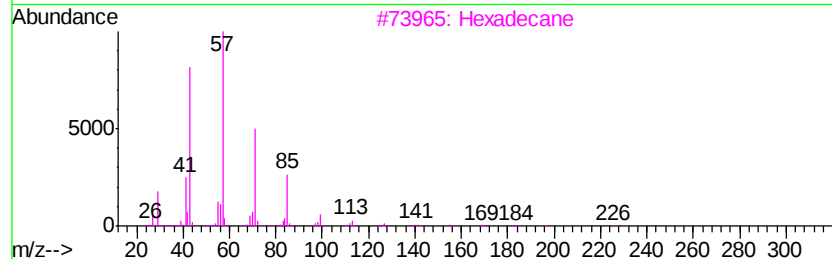
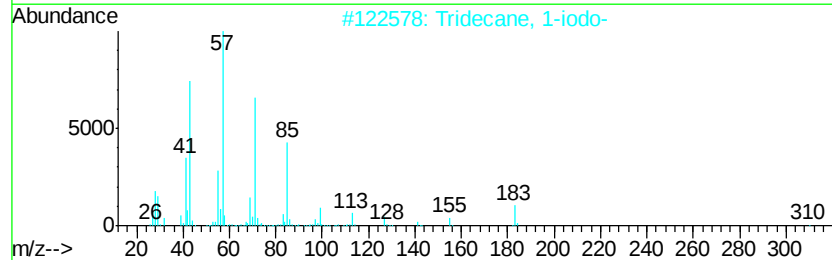
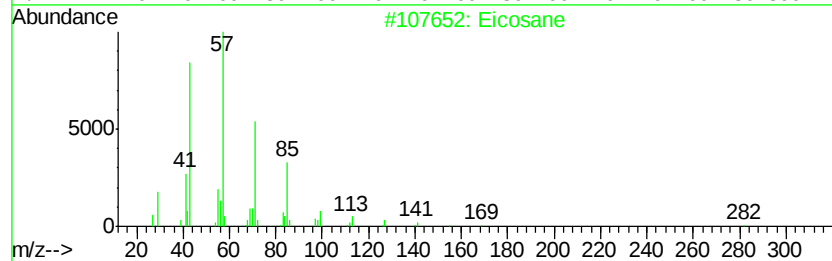
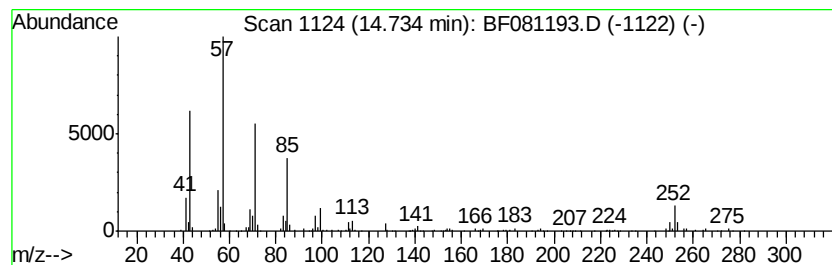
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	9.59 ng	278081	Perylene-d12	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	68
3		Hexadecane	226	C16H34	000544-76-3	64
4		Octacosane	394	C28H58	000630-02-4	64
5		Pentadecane	212	C15H32	000629-62-9	64



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Misc :
ALS Vial : 30 Sample Multiplier: 1

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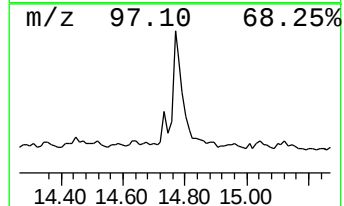
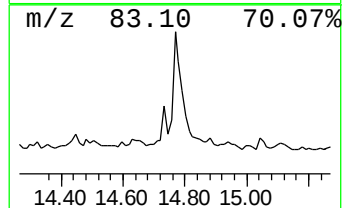
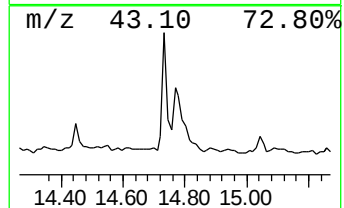
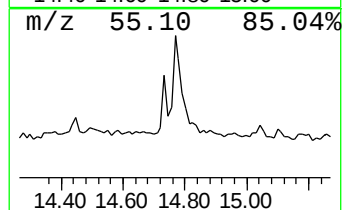
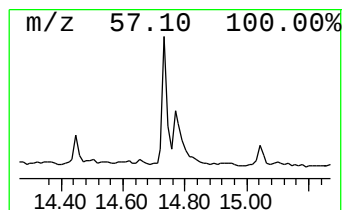
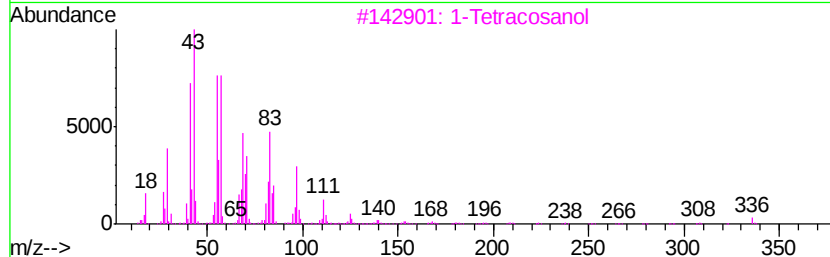
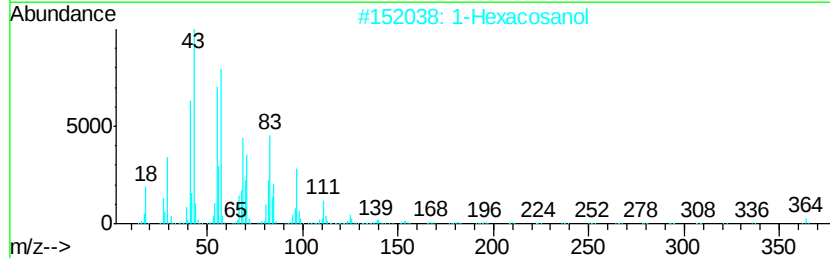
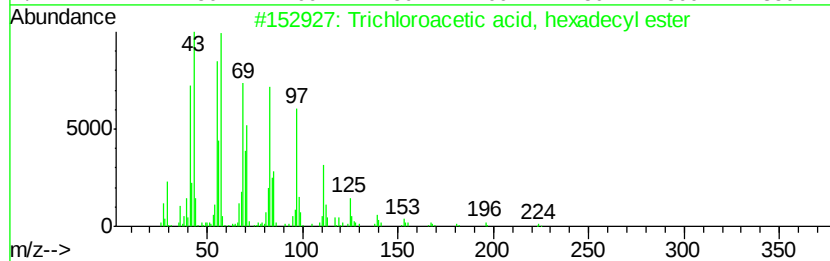
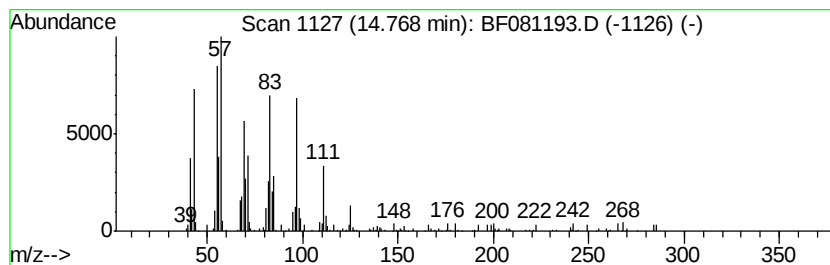
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Trichloroacetic acid, hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	14.25 ng	413365	Perylene-d12	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
2		1-Hexacosanol	382	C26H54O	000506-52-5	81
3		1-Tetracosanol	354	C24H50O	000506-51-4	81
4		Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	76
5		Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

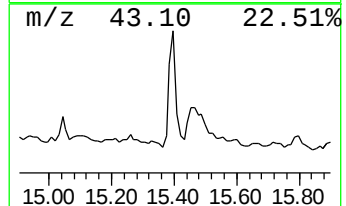
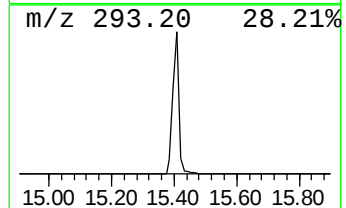
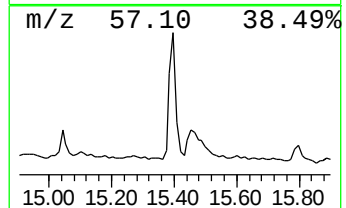
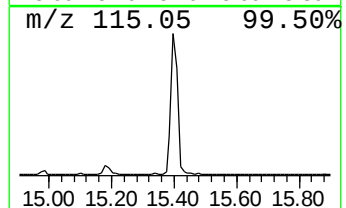
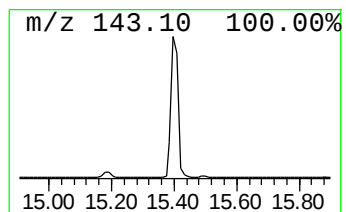
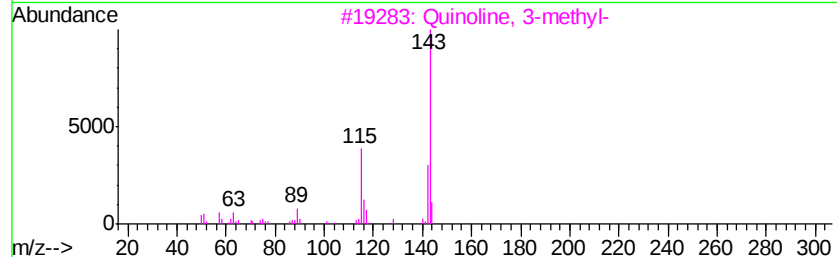
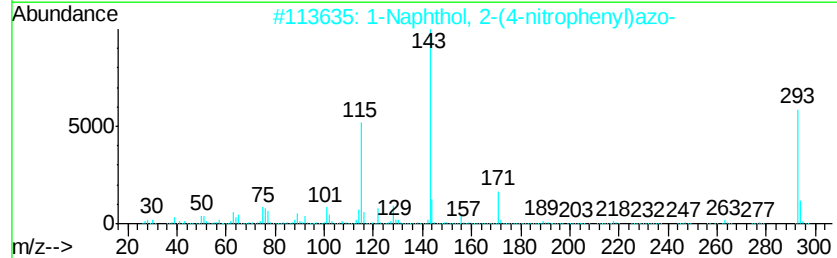
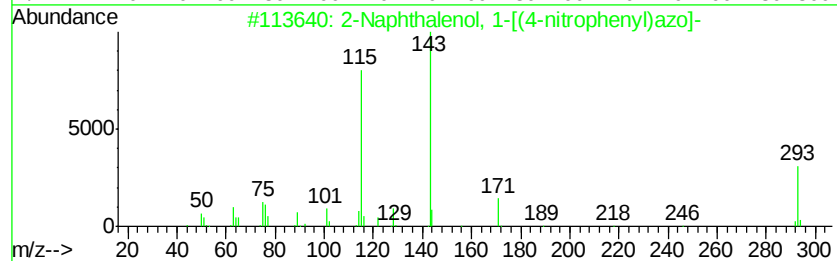
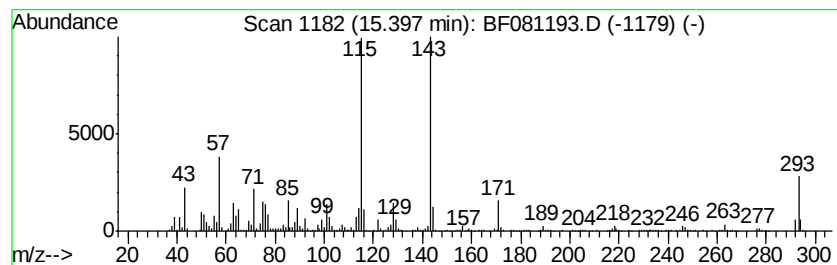
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2-Naphthalenol, 1-[(4-nitro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	25.84 ng	749513	Perylene-d12	14.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Naphthalenol, 1-[(4-nitropheny...	293	C16H11N3O3	006410-10-2	98
2		1-Naphthol, 2-(4-nitrophenyl)azo-	293	C16H11N3O3	000607-27-2	94
3		Quinoline, 3-methyl-	143	C10H9N	000612-58-8	64
4		Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	59
5		2-Naphthalenol, 1-[(4-ethylpheny...	276	C18H16N2O	050607-58-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
Data File : BF081193.D
Acq On : 25 Aug 2015 4:14
Operator : UM/IZ
Sample : G3385-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

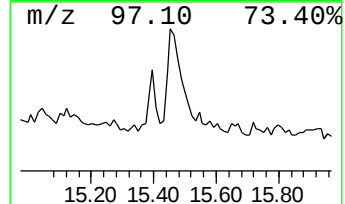
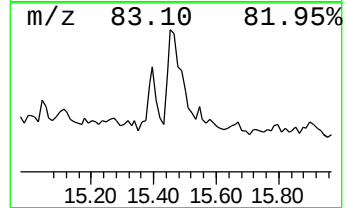
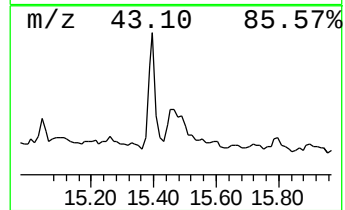
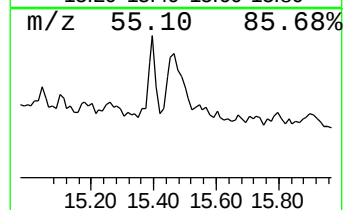
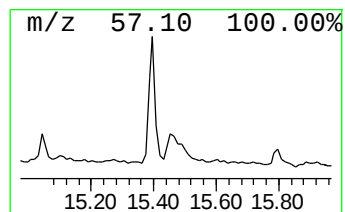
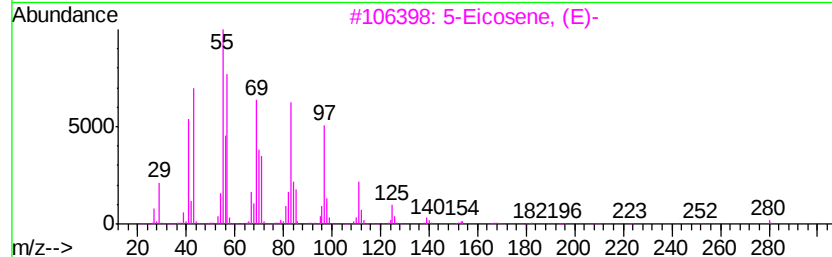
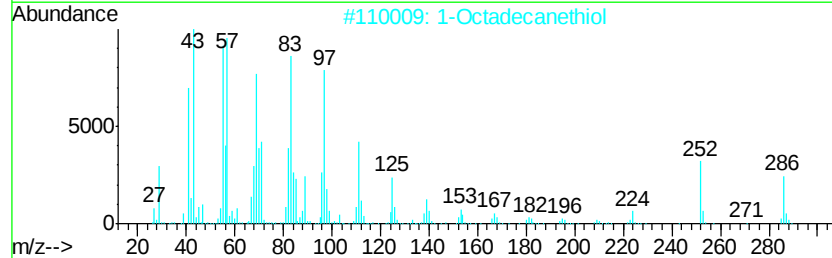
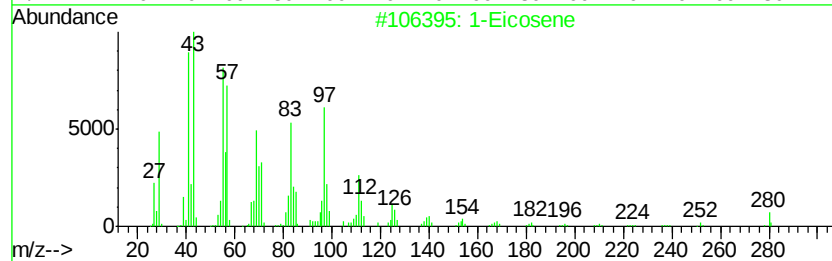
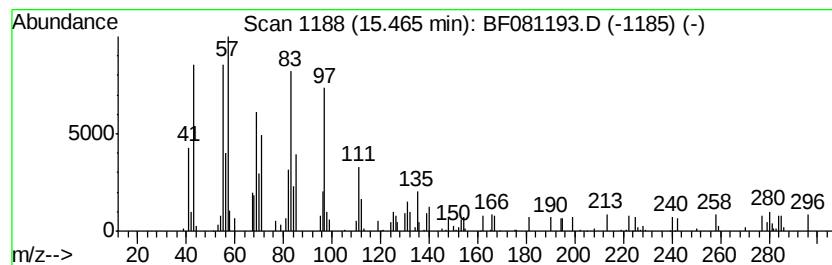
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1-Eicosene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	6.21 ng	180126	Perylene-d12	14.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Eicosene	280	C20H40	003452-07-1	91
2			1-Octadecanethiol	286	C18H38S	002885-00-9	68
3			5-Eicosene, (E)-	280	C20H40	074685-30-6	64
4			Hexadecanoic acid, 2-hydroxy-, m...	286	C17H34O3	016742-51-1	60
5			1-Hexacosanol	382	C26H54O	000506-52-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081193.D
 Acq On : 25 Aug 2015 4:14
 Operator : UM/IZ
 Sample : G3385-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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...	4.65	55.5	ng	1368520	1	6.54	492847	20.0
unknown6.31	6.31	84.4	ng	2079970	1	6.54	492847	20.0
2-Chlorobenzyl me...	8.33	11.6	ng	332099	2	7.83	572423	20.0
Benzenethiol, 2,5...	8.62	10.6	ng	303536	2	7.83	572423	20.0
2-Naphthalenol, 1...	10.92	7.7	ng	373369	4	11.04	969391	20.0
n-Hexadecanoic acid	11.60	9.1	ng	439980	4	11.04	969391	20.0
4H-Cyclopenta[def...	11.65	6.7	ng	324938	4	11.04	969391	20.0
unknown11.84	11.84	5.2	ng	253908	4	11.04	969391	20.0
Diazene, bis(2-ch...	11.96	12.6	ng	610036	4	11.04	969391	20.0
E-9-Tetradecenoic...	12.30	5.5	ng	267823	4	11.04	969391	20.0
unknown12.38	12.38	5.8	ng	369728	5	13.65	1273410	20.0
9,10-Anthracenedi...	12.75	6.7	ng	429352	5	13.65	1273410	20.0
[1,1'-Biphenyl]-4...	12.96	9.2	ng	585360	5	13.65	1273410	20.0
1-Aminopyrene	13.84	5.1	ng	327025	5	13.65	1273410	20.0
unknown14.17	14.17	7.1	ng	454592	5	13.65	1273410	20.0
Eicosane	14.73	9.6	ng	278081	6	14.99	580128	20.0
Trichloroacetic a...	14.77	14.3	ng	413365	6	14.99	580128	20.0
2-Naphthalenol, 1...	15.40	25.8	ng	749513	6	14.99	580128	20.0
1-Eicosene	15.47	6.2	ng	180126	6	14.99	580128	20.0