

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
 Data File : BF082637.D
 Acq On : 2 Nov 2015 18:08
 Operator : UM/IZ
 Sample : G4227-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTYSF-002

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-BF103015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.082	258	262	271	rVB	2223658	4060469	48.12%	4.533%
2	5.504	295	299	301	rBV	5900978	8398916	99.54%	9.376%
3	6.522	384	388	390	rBV	6940399	8106726	96.07%	9.049%
4	6.659	397	400	402	rBV	7966412	8438046	100.00%	9.419%
5	6.887	418	420	422	rBV	1772880	1501725	17.80%	1.676%
6	7.047	431	434	436	rVB	6883510	6449596	76.43%	7.200%
7	7.447	466	469	472	rBV	4111780	4860545	57.60%	5.426%
8	8.168	530	532	535	rBV	1314566	1737091	20.59%	1.939%
9	9.253	624	627	630	rBV	6845038	8083353	95.80%	9.023%
10	9.653	659	662	664	rVB	1246945	1709026	20.25%	1.908%
11	9.928	684	686	688	rBV	1896299	1846743	21.89%	2.061%
12	9.962	688	689	691	rVB	199259	143648	1.70%	0.160%
13	10.133	701	704	706	rBV	193107	164420	1.95%	0.184%
14	10.351	719	723	724	rBV	89982	101278	1.20%	0.113%
15	10.373	724	725	727	rVB	154555	120306	1.43%	0.134%
16	10.476	732	734	736	rVB	310794	260958	3.09%	0.291%
17	10.716	752	755	757	rBV	5147296	5325930	63.12%	5.945%
18	10.854	763	767	770	rBV2	136168	307345	3.64%	0.343%
19	11.025	778	782	783	rBV2	67193	96589	1.14%	0.108%
20	11.299	801	806	811	rBV4	222593	420472	4.98%	0.469%
21	11.414	813	816	817	rVV	2148196	1940105	22.99%	2.166%
22	11.482	820	822	824	rVB	378276	451778	5.35%	0.504%
23	11.642	833	836	837	rBV2	81886	114662	1.36%	0.128%
24	11.722	841	843	847	rVB2	178738	191115	2.26%	0.213%
25	11.916	858	860	861	rBV	197328	169610	2.01%	0.189%
26	11.951	861	863	865	rVV2	621642	709393	8.41%	0.792%
27	11.985	865	866	868	rVV	151994	141267	1.67%	0.158%
28	12.031	868	870	874	rVB	291336	472139	5.60%	0.527%
29	12.134	874	879	881	rBV2	100080	134488	1.59%	0.150%
30	12.214	883	886	889	rVB2	202933	264004	3.13%	0.295%
31	12.465	905	908	910	rBV	112762	166472	1.97%	0.186%
32	12.522	910	913	914	rVB2	76706	112510	1.33%	0.126%
33	12.625	920	922	924	rBV	2193743	1849126	21.91%	2.064%
34	12.739	930	932	934	rBV2	319374	319918	3.79%	0.357%

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Instrument :
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ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

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35	12.854	939	942	944	rBV	1719056	1842644	21.84%	2.057%
36	12.968	951	952	953	rBV	77115	94042	1.11%	0.105%
37	13.014	953	956	958	rVV	5649726	7540145	89.36%	8.417%
38	13.071	958	961	965	rVV3	96676	205662	2.44%	0.230%
39	13.185	967	971	973	rVB	282490	372845	4.42%	0.416%
40	13.254	974	977	978	rBV	242060	273859	3.25%	0.306%
41	13.288	978	980	981	rBV	179261	176582	2.09%	0.197%
42	13.379	986	988	989	rBV	101604	87834	1.04%	0.098%
43	13.585	1005	1006	1011	rVB2	58741	104351	1.24%	0.116%
44	13.688	1012	1015	1017	rVV2	61890	112337	1.33%	0.125%
45	13.802	1022	1025	1026	rBV2	140161	196784	2.33%	0.220%
46	13.917	1031	1035	1043	rVB5	205930	451525	5.35%	0.504%
47	14.054	1044	1047	1052	rVB2	1923915	3120592	36.98%	3.483%
48	14.157	1054	1056	1058	rBV	128012	108143	1.28%	0.121%
49	14.442	1079	1081	1083	rVB	119786	109717	1.30%	0.122%
50	14.934	1122	1124	1126	rVB	83432	84412	1.00%	0.094%
51	15.094	1135	1138	1143	rBV	487508	1098703	13.02%	1.226%
52	15.197	1144	1147	1149	rVB	158915	216026	2.56%	0.241%
53	15.380	1161	1163	1166	rVB	301301	409046	4.85%	0.457%
54	15.437	1166	1168	1171	rVV	398636	571972	6.78%	0.638%
55	15.505	1171	1174	1181	rVB	954368	1398693	16.58%	1.561%
56	15.677	1186	1189	1191	rBV4	41999	90855	1.08%	0.101%
57	16.225	1235	1237	1242	rVB3	79263	180542	2.14%	0.202%
58	16.637	1271	1273	1278	rVB4	57851	145911	1.73%	0.163%
59	16.751	1280	1283	1287	rVV2	50436	138919	1.65%	0.155%
60	16.923	1294	1298	1302	rVB2	201765	430037	5.10%	0.480%
61	17.094	1309	1313	1315	rBV2	48284	118467	1.40%	0.132%
62	17.151	1315	1318	1320	rBV	41996	91848	1.09%	0.103%
63	17.346	1331	1335	1344	rVB	156356	368337	4.37%	0.411%
64	17.563	1350	1354	1364	rVB2	72166	272170	3.23%	0.304%

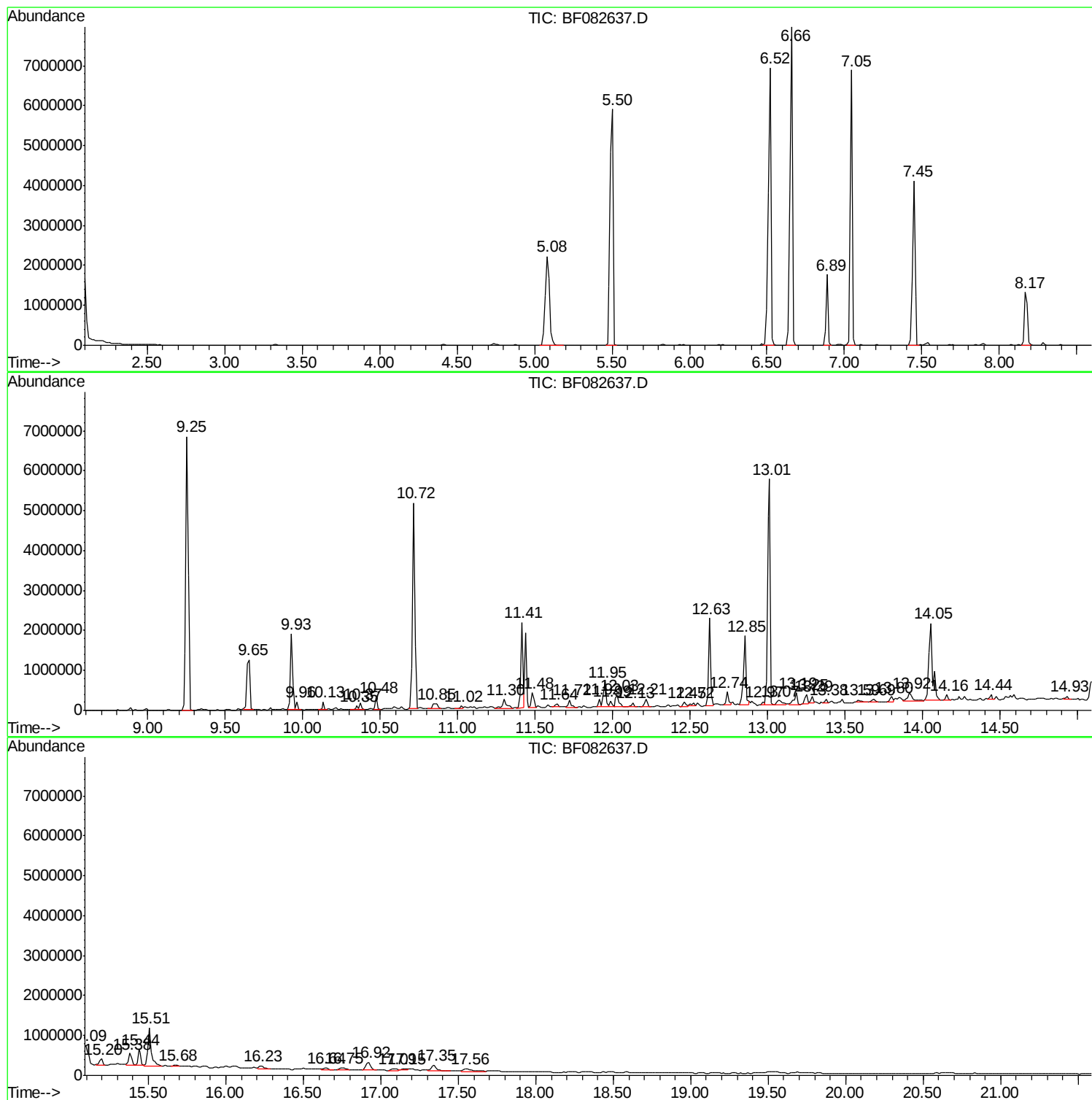
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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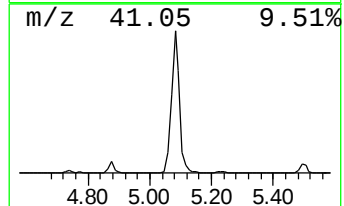
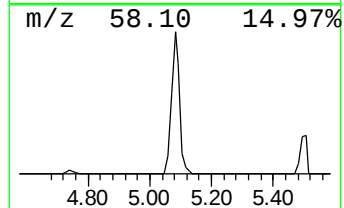
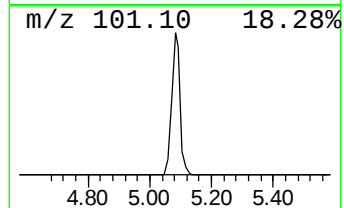
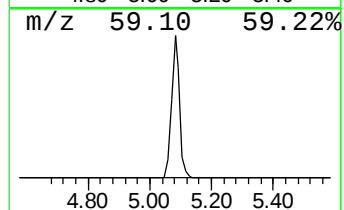
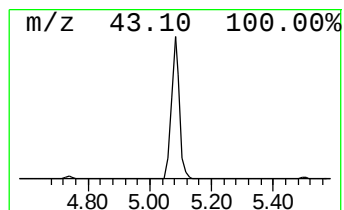
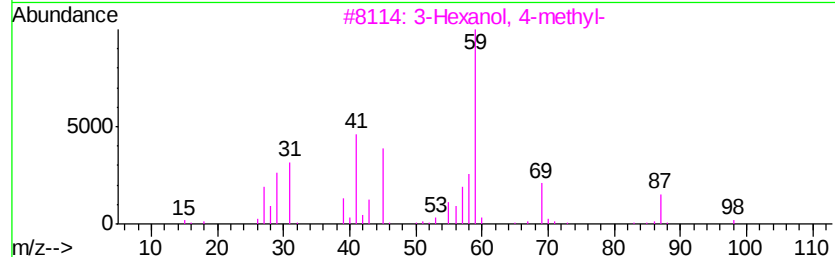
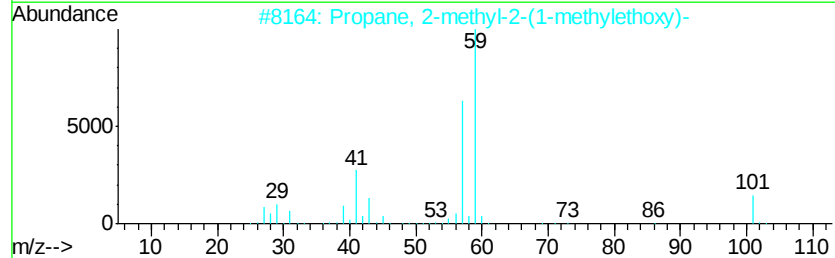
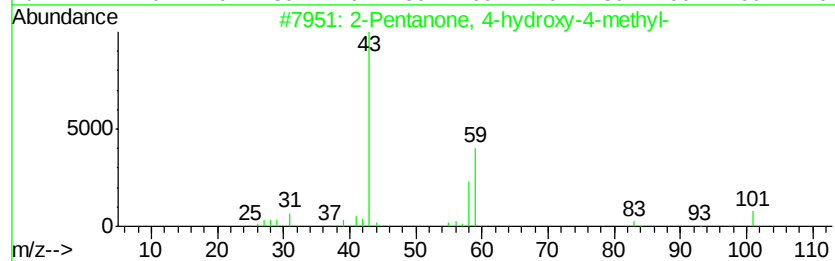
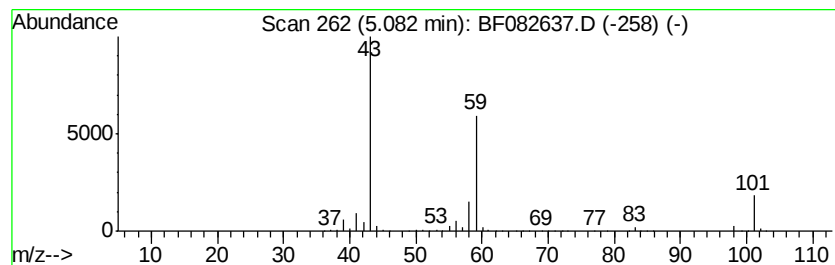
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	54.08 ng	4060470	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	32
5		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28



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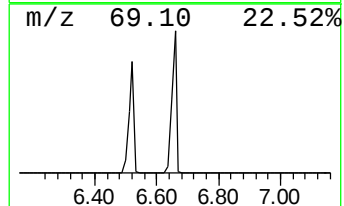
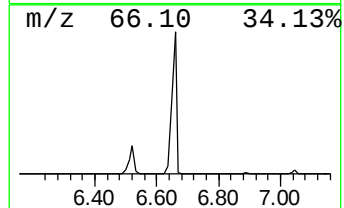
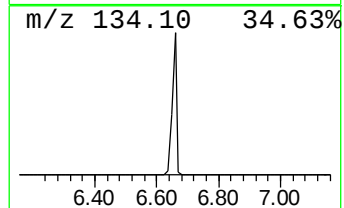
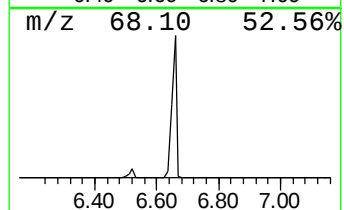
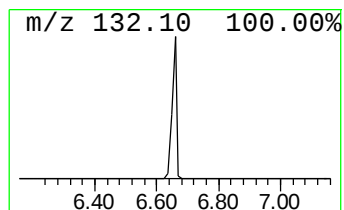
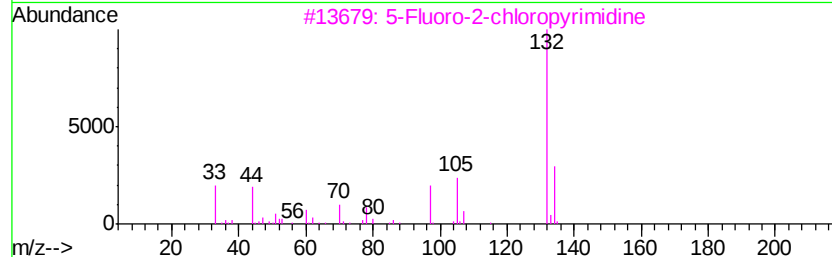
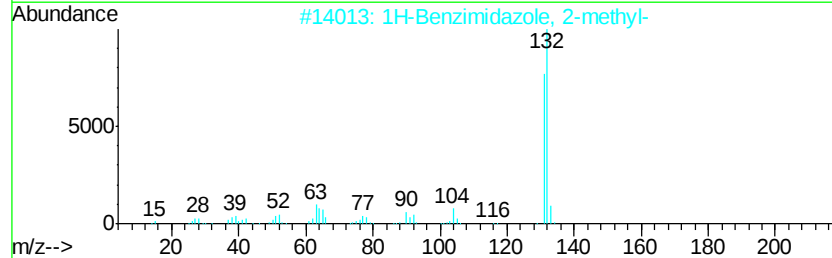
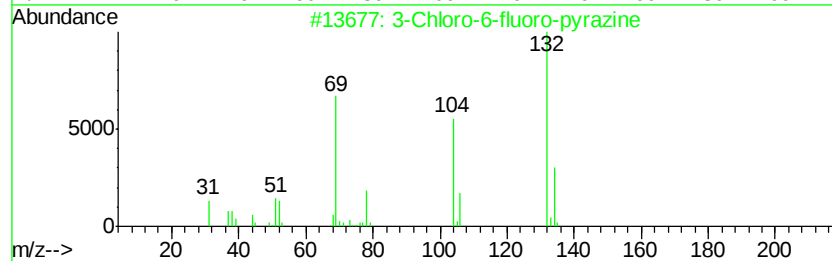
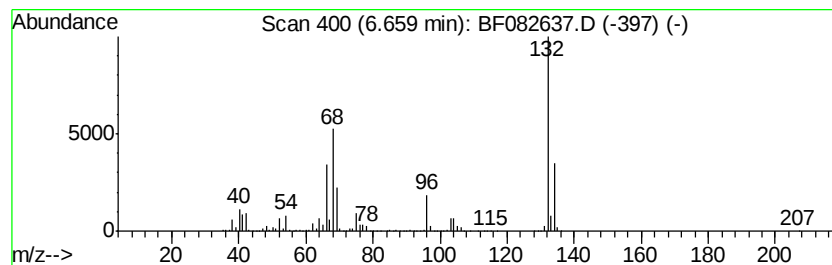
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	112.38 ng	8438050	1,4-Dichlorobenzene-d4	6.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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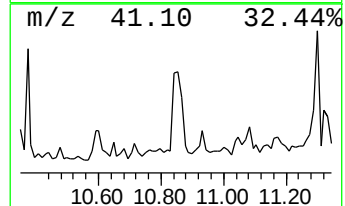
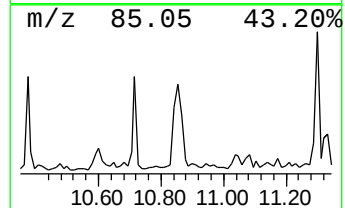
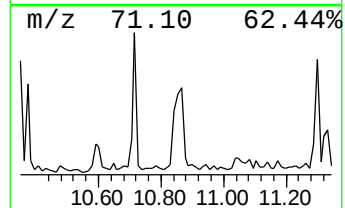
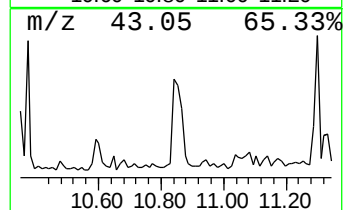
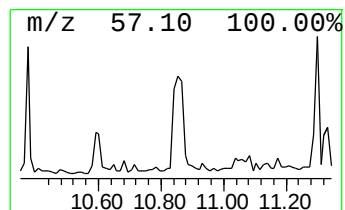
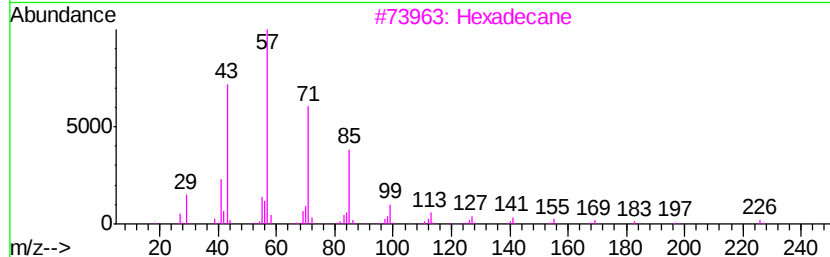
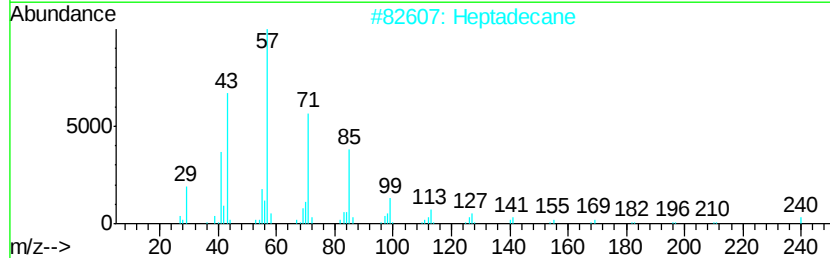
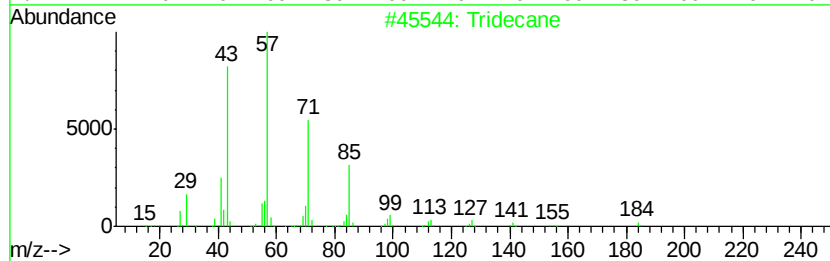
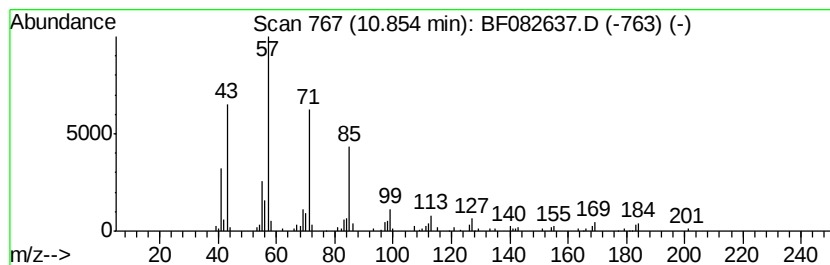
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.85	3.17 ng	307345	Phenanthrene-d10		11.41	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	91
2	Heptadecane		240	C17H36	000629-78-7	90
3	Hexadecane		226	C16H34	000544-76-3	90
4	Octadecane		254	C18H38	000593-45-3	90
5	Tetradecane		198	C14H30	000629-59-4	90



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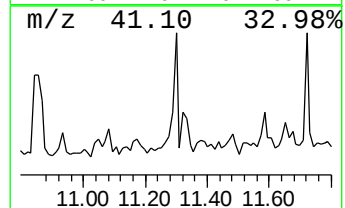
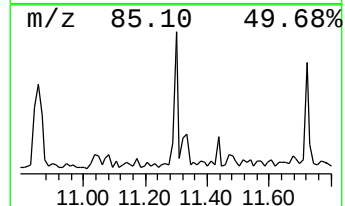
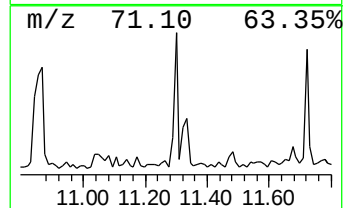
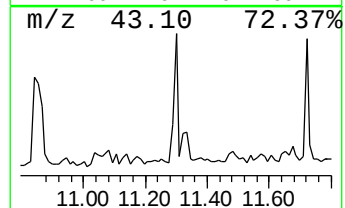
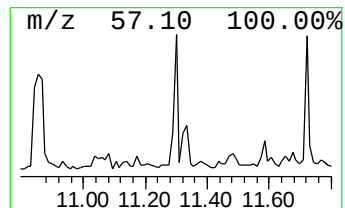
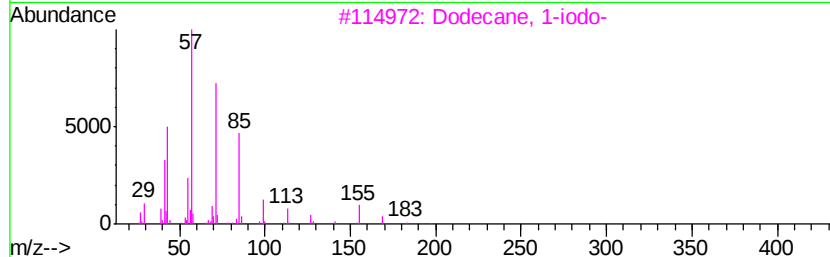
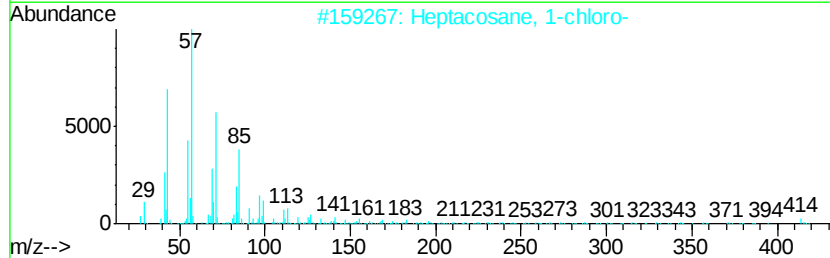
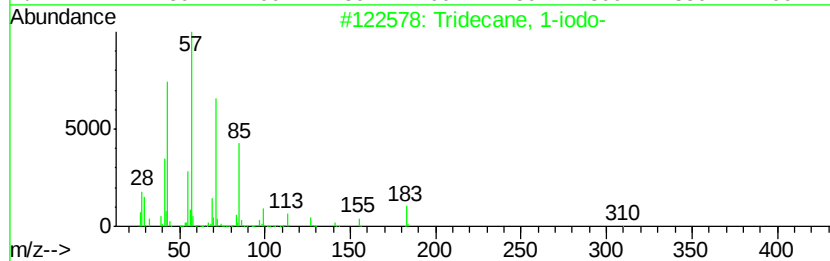
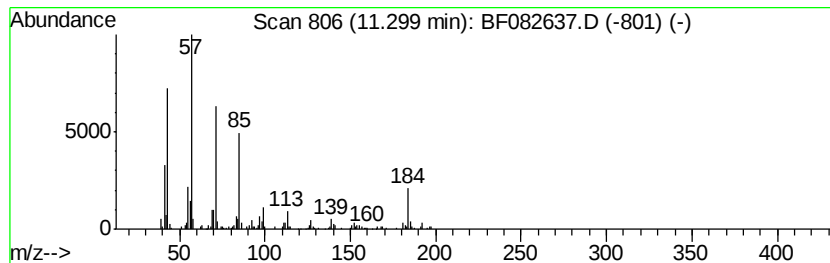
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 Tridecane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.33 ng	420472	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
2		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4		Hexadecane	226	C16H34	000544-76-3	64
5		Heneicosane	296	C21H44	000629-94-7	64



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LIBERTYSF-002

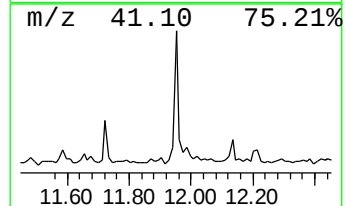
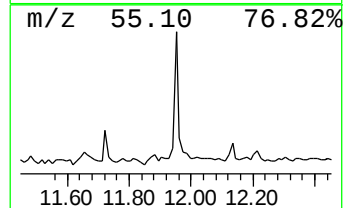
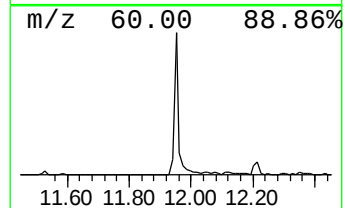
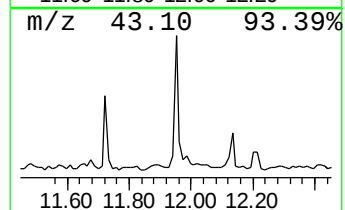
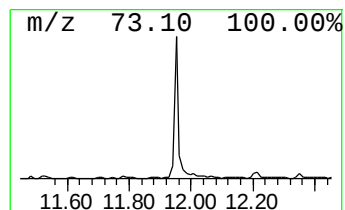
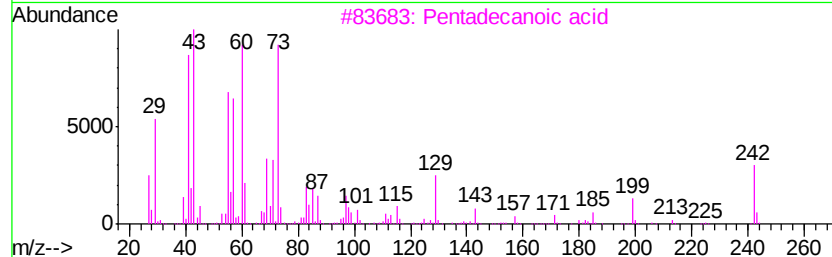
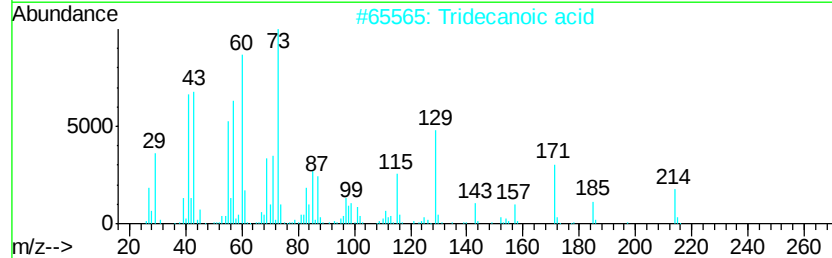
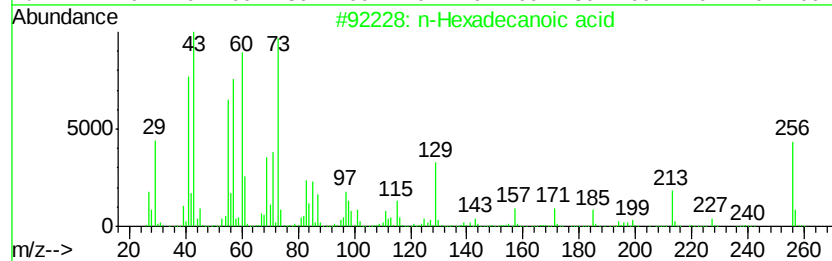
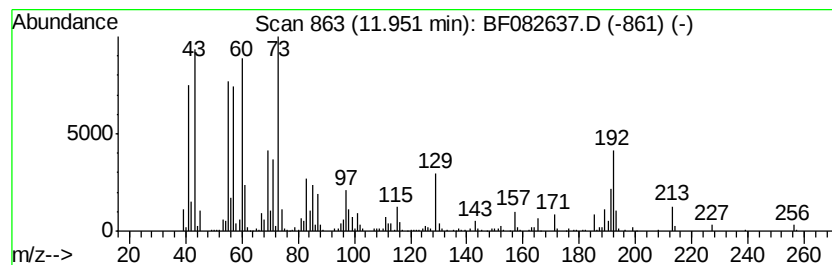
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.31 ng	709393	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2		Tridecanoic acid	214	C13H26O2	000638-53-9	86
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5		Dodecanoic acid	200	C12H24O2	000143-07-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082637.D
Acq On : 2 Nov 2015 18:08
Operator : UM/IZ
Sample : G4227-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LIBERTYSF-002

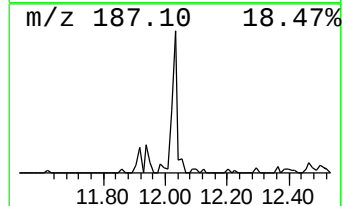
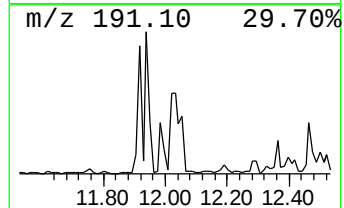
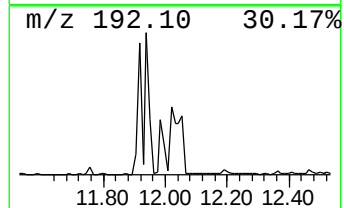
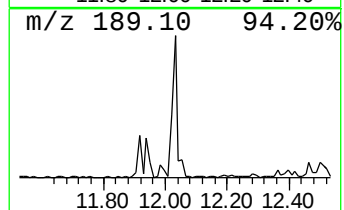
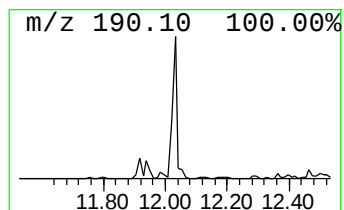
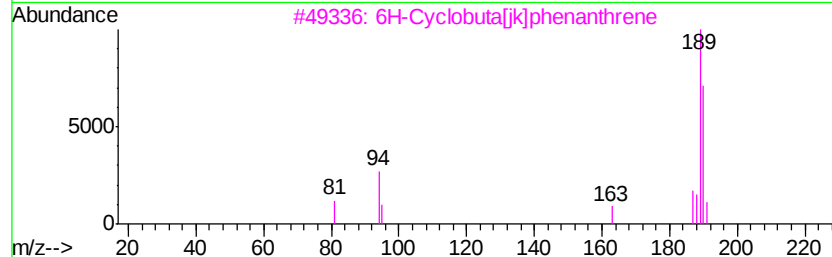
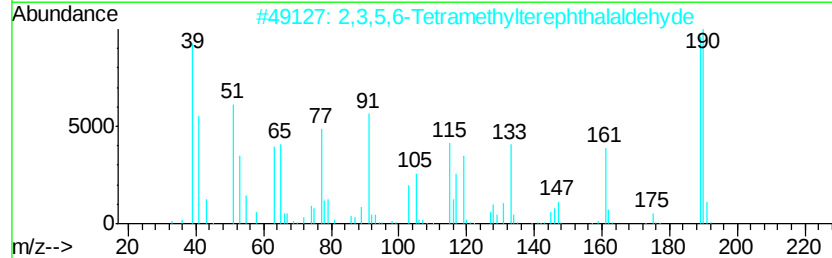
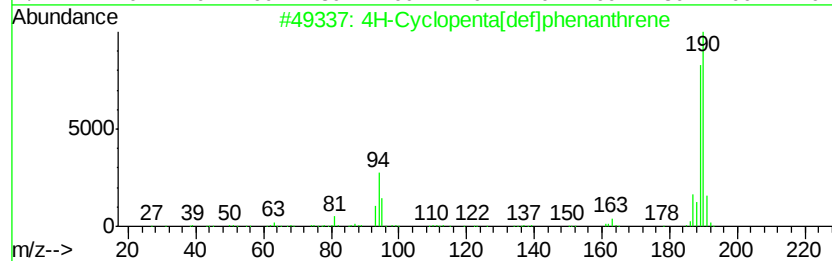
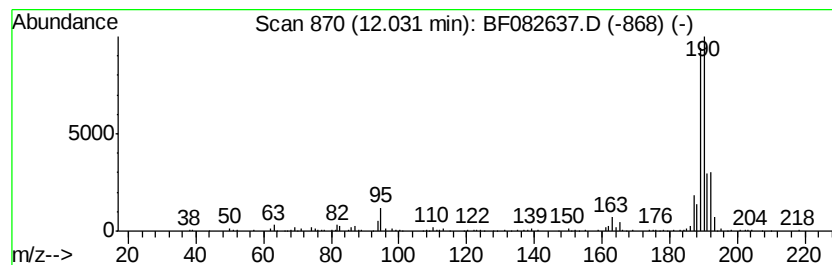
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.87 ng	472139	Phenanthrene-d10	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
3		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	45
4		1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	25
5		Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082637.D
Acq On : 2 Nov 2015 18:08
Operator : UM/IZ
Sample : G4227-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

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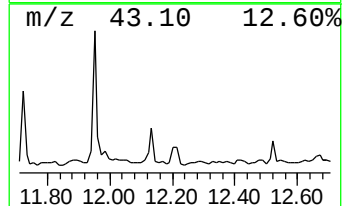
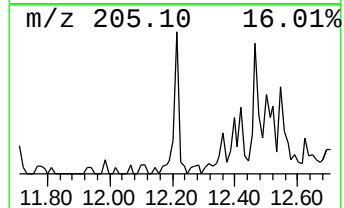
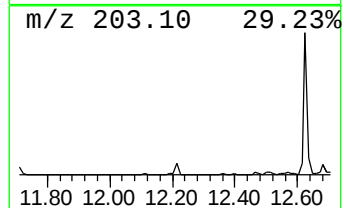
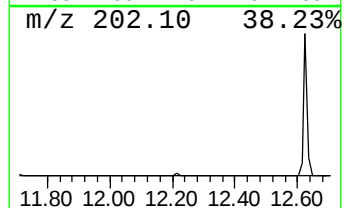
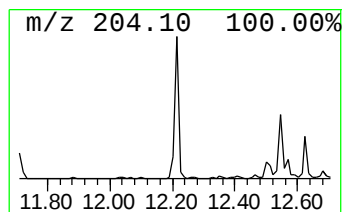
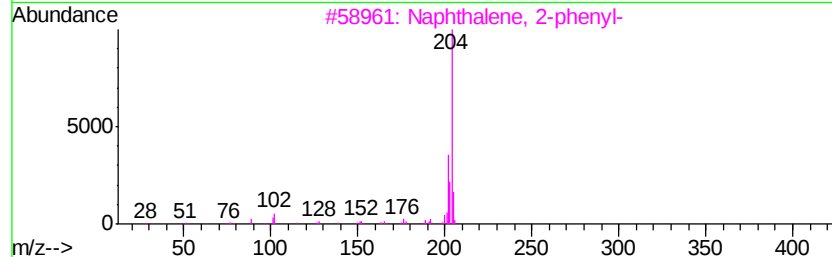
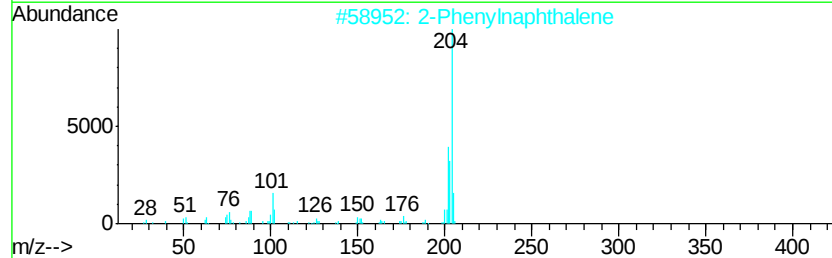
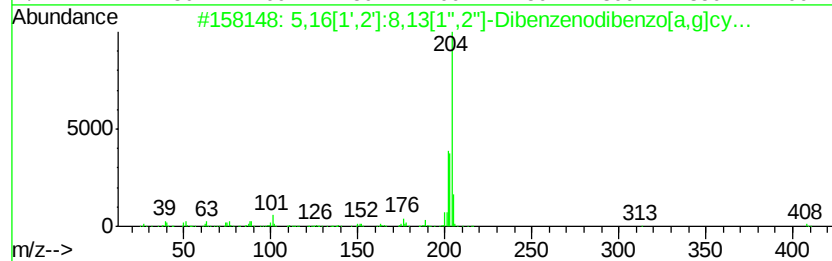
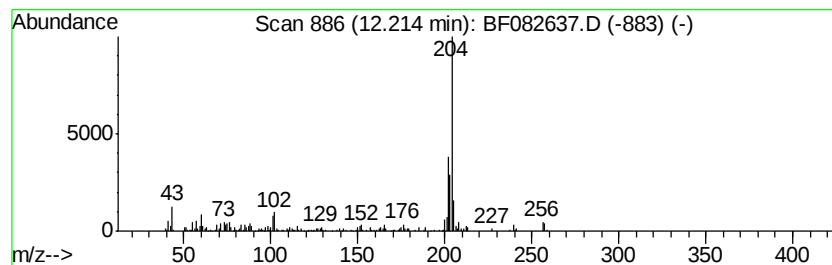
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.72 ng	264004	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	78
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
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Misc :
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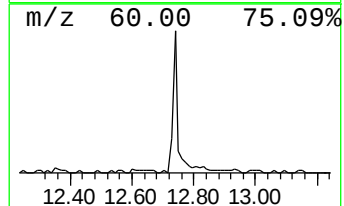
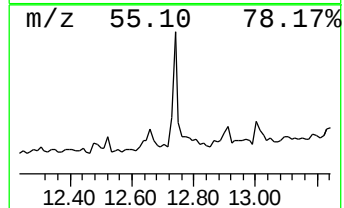
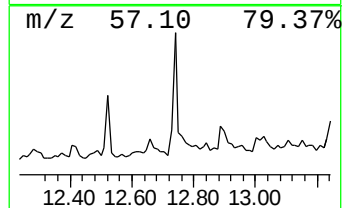
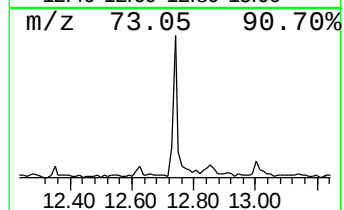
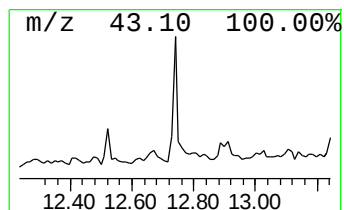
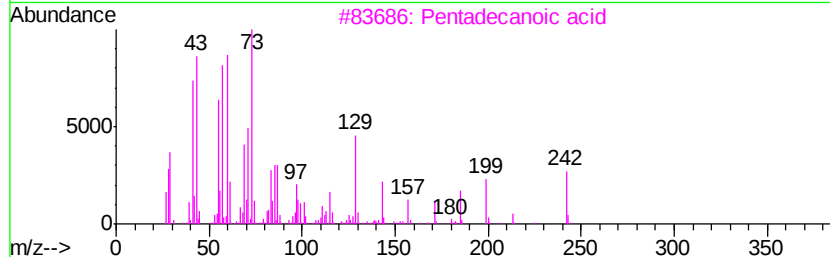
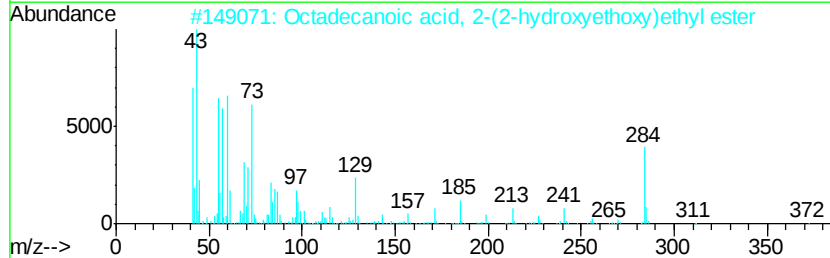
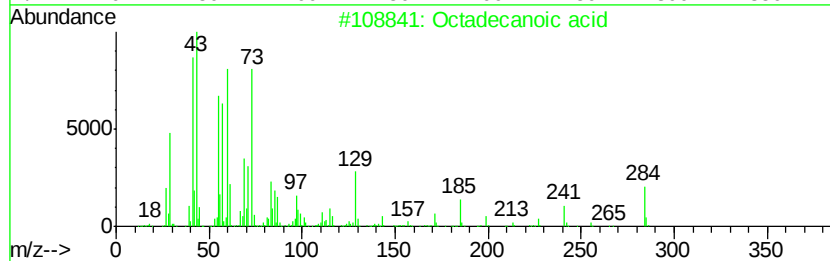
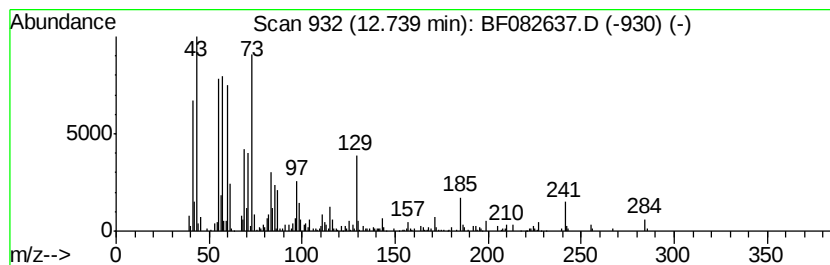
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	2.05 ng	319918	Chrysene-d12	14.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	83
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082637.D
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ClientSampleId :
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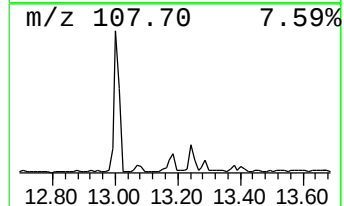
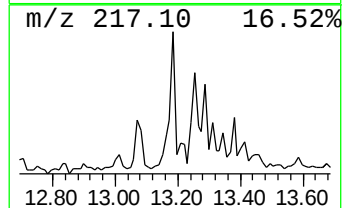
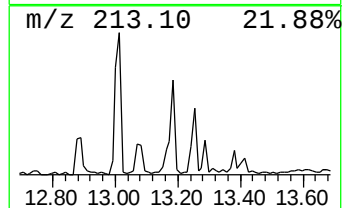
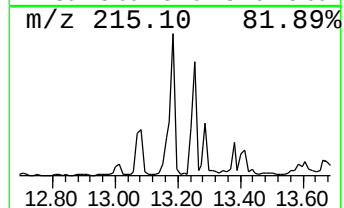
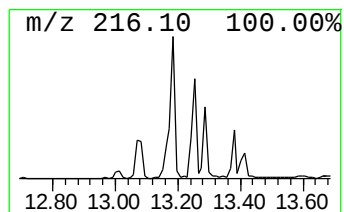
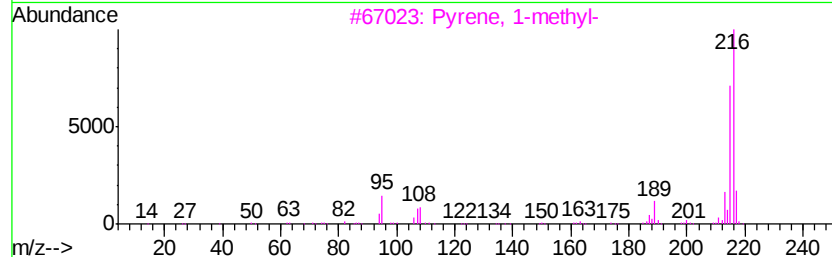
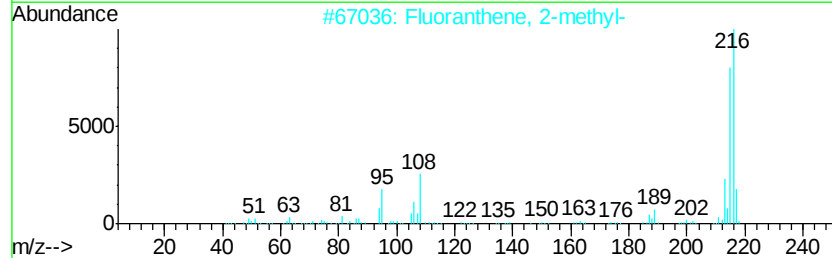
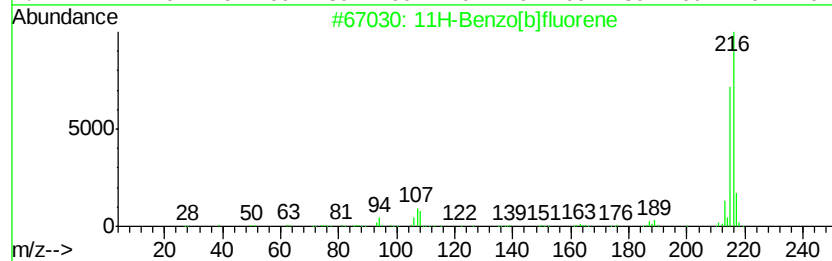
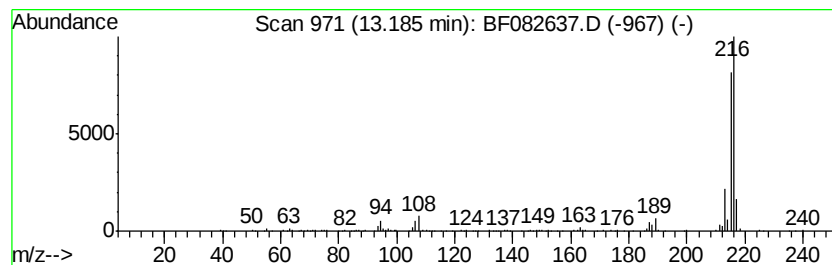
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.39 ng	372845	Chrysene-d12	14.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80



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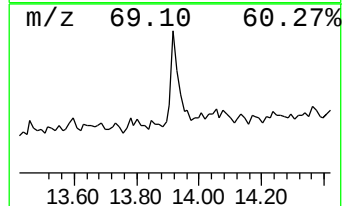
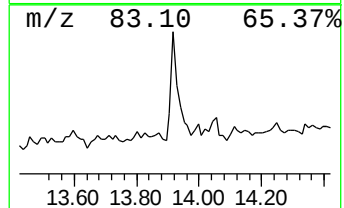
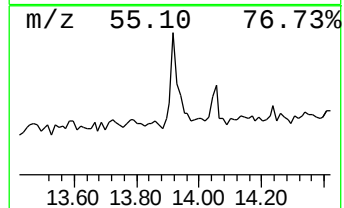
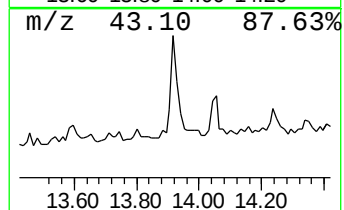
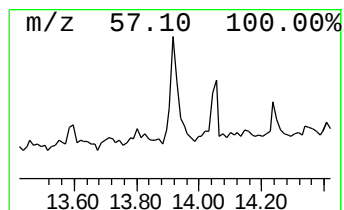
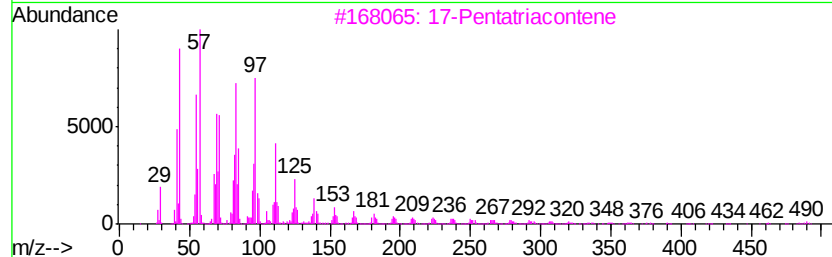
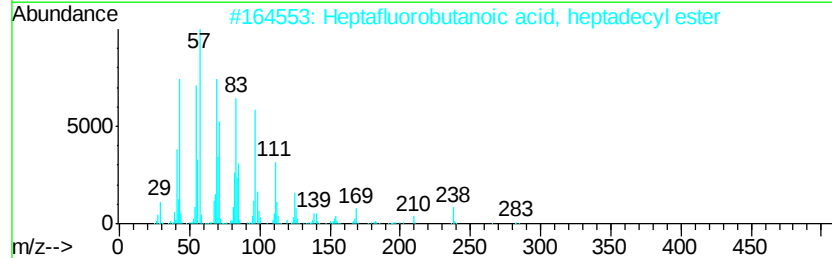
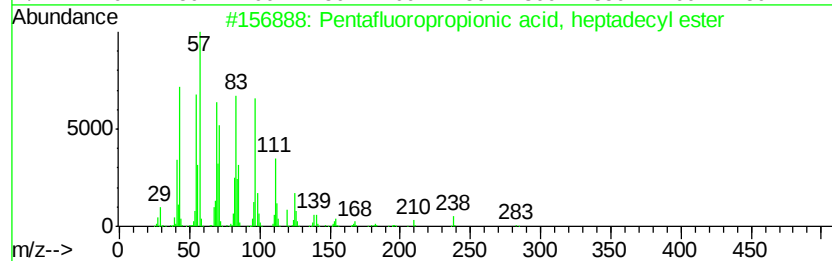
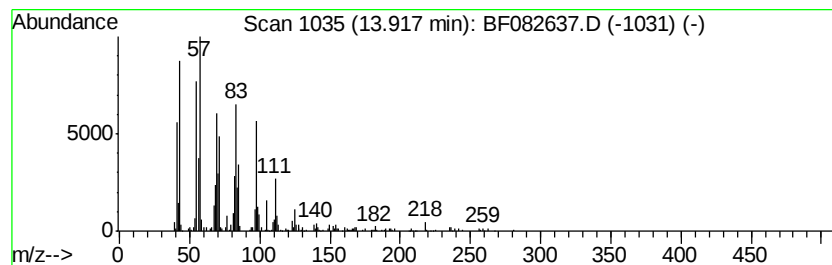
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pentafluoropropionic acid, ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.89 ng	451525	Chrysene-d12	14.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
2		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
3		17-Pentatriacontene	491	C35H70	006971-40-0	91
4		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
5		Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
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Misc :
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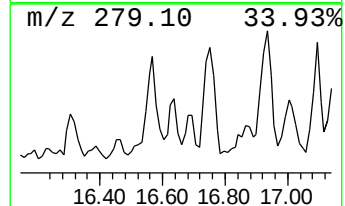
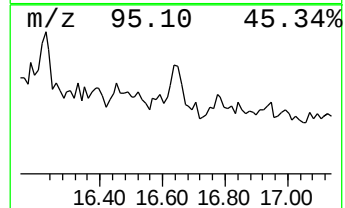
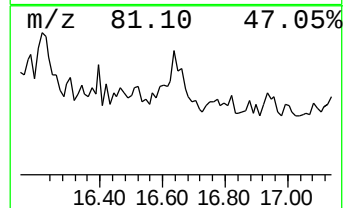
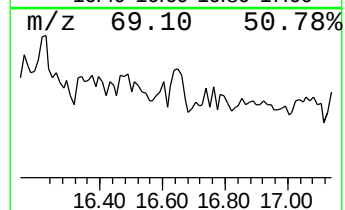
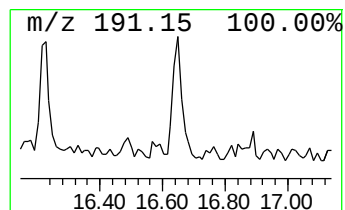
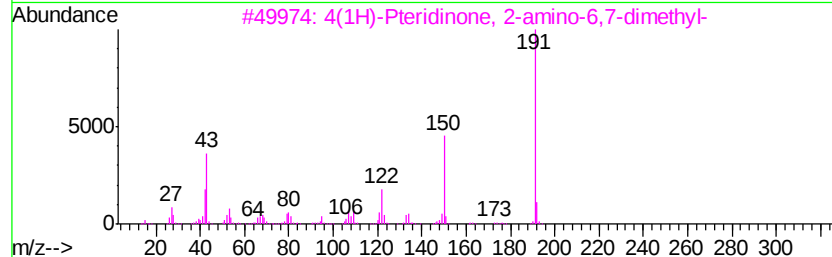
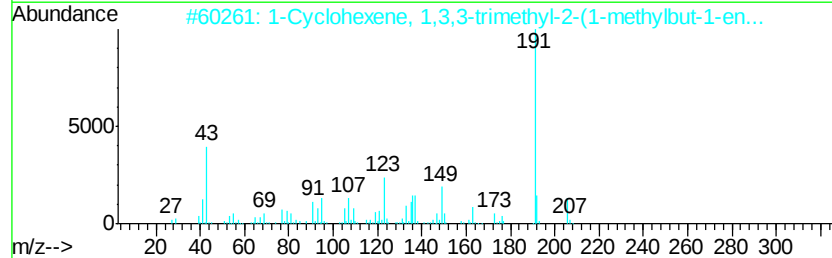
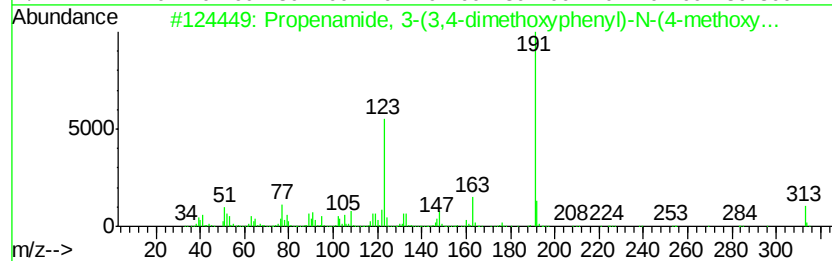
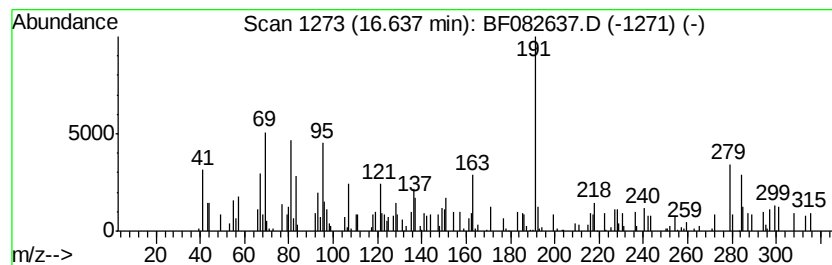
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown16.64 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	2.09 ng	145911	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propenamide, 3-(3,4-dimethoxyphe...	313	C18H19N04	339165-72-9	25
2		1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	25
3		4(1H)-Pteridinone, 2-amino-6,7-d...	191	C8H9N5O	000611-55-2	25
4		5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	25
5		2-Methylsulfanyl-benzoimidazole-...	284	C15H12N2O2S	1000294-32-8	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082637.D
Acq On : 2 Nov 2015 18:08
Operator : UM/IZ
Sample : G4227-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LIBERTYSF-002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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...	5.08	54.1 ng		4060470	1	6.89	1501730	20.0
unknown6.66	6.66	112.4 ng		8438050	1	6.89	1501730	20.0
Tridecane	10.85	3.2 ng		307345	4	11.41	1940110	20.0
Tridecane, 1-iodo-	11.30	4.3 ng		420472	4	11.41	1940110	20.0
n-Hexadecanoic acid	11.95	7.3 ng		709393	4	11.41	1940110	20.0
4H-Cyclopenta[def...	12.03	4.9 ng		472139	4	11.41	1940110	20.0
5,16[1',2']:8,13[...	12.21	2.7 ng		264004	4	11.41	1940110	20.0
Octadecanoic acid	12.74	2.0 ng		319918	5	14.05	3120590	20.0
11H-Benzo[b]fluorene	13.19	2.4 ng		372845	5	14.05	3120590	20.0
Pentafluoropropio...	13.92	2.9 ng		451525	5	14.05	3120590	20.0
unknown16.64	16.64	2.1 ng		145911	6	15.51	1398690	20.0