

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087202.D
 Acq On : 19 May 2016 22:33
 Operator : UM/SJ
 Sample : H3132-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-BWR-BB-R10-C51(0-15FT)

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-BF051716.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	1.712	8	11	43	rVB	2256068	5124187	100.00%	9.456%
2	3.941	204	206	215	rBV	28911	77825	1.52%	0.144%
3	4.684	268	271	285	rBV	1522247	2993588	58.42%	5.524%
4	5.153	310	312	315	rBV	3427466	4209640	82.15%	7.769%
5	5.553	345	347	357	rVB	232909	262881	5.13%	0.485%
6	6.239	404	407	409	rBV	4125270	4551965	88.83%	8.400%
7	6.341	413	416	418	rBV	4832174	4808865	93.85%	8.874%
8	6.570	434	436	438	rBV	712624	1017874	19.86%	1.878%
9	6.719	447	449	452	rBV	3311720	3234427	63.12%	5.969%
10	7.142	483	486	489	rBV	2705378	2882413	56.25%	5.319%
11	7.850	546	548	558	rVB	1401464	1542709	30.11%	2.847%
12	8.570	609	611	613	rBV	65071	58992	1.15%	0.109%
13	8.936	640	643	645	rBV	4728221	4602225	89.81%	8.493%
14	9.336	676	678	680	rBV	792004	685022	13.37%	1.264%
15	9.462	687	689	692	rVB	81453	69934	1.36%	0.129%
16	9.542	695	696	698	rBV	84779	103508	2.02%	0.191%
17	9.599	698	701	703	rVV	1566420	1374709	26.83%	2.537%
18	9.633	703	704	707	rVB	66424	56527	1.10%	0.104%
19	10.045	738	740	742	rVB	203034	161576	3.15%	0.298%
20	10.148	747	749	752	rVB	52223	59005	1.15%	0.109%
21	10.262	757	759	762	rBV	68834	104689	2.04%	0.193%
22	10.388	768	770	773	rBV	2454510	2526183	49.30%	4.662%
23	10.513	779	781	785	rBV	210528	244989	4.78%	0.452%
24	10.708	795	798	802	rBV3	33502	81440	1.59%	0.150%
25	10.959	818	820	822	rBV	132266	127726	2.49%	0.236%
26	11.073	828	830	834	rBV2	1132363	1431625	27.94%	2.642%
27	11.153	834	837	839	rVB	151162	150752	2.94%	0.278%
28	11.325	848	852	855	rBV3	36409	82515	1.61%	0.152%
29	11.382	855	857	862	rVB2	57236	94455	1.84%	0.174%
30	11.576	872	874	875	rBV	67666	62374	1.22%	0.115%
31	11.633	875	879	882	rVV3	75702	233212	4.55%	0.430%
32	11.691	882	884	889	rVB2	114872	218388	4.26%	0.403%
33	12.125	920	922	923	rBV	68731	73776	1.44%	0.136%
34	12.159	923	925	928	rVB2	39217	86847	1.69%	0.160%

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35	12.216	928	930	932	rBV	56967	68267	1.33%	0.126%
36	12.285	934	936	938	rBV	667241	721890	14.09%	1.332%
37	12.433	946	949	950	rBV	38256	57028	1.11%	0.105%
38	12.502	953	955	958	rVV	629789	796714	15.55%	1.470%
39	12.571	958	961	963	rVB3	39919	78042	1.52%	0.144%
40	12.662	966	969	971	rVV	3118434	3021415	58.96%	5.576%
41	12.731	972	975	977	rVV2	56279	92087	1.80%	0.170%
42	12.834	981	984	986	rVB2	97719	194569	3.80%	0.359%
43	12.902	986	990	992	rBV	122868	147440	2.88%	0.272%
44	12.936	992	993	997	rVB	83067	116485	2.27%	0.215%
45	13.451	1036	1038	1041	rBV3	63506	151410	2.95%	0.279%
46	13.576	1046	1049	1052	rBV3	89692	227656	4.44%	0.420%
47	13.702	1057	1060	1066	rVV2	1068829	1760034	34.35%	3.248%
48	13.805	1067	1069	1071	rVV2	74212	70208	1.37%	0.130%
49	14.091	1092	1094	1096	rBV	79086	90909	1.77%	0.168%
50	14.182	1100	1102	1103	rBV2	50533	63888	1.25%	0.118%
51	14.697	1144	1147	1152	rBV	449413	800325	15.62%	1.477%
52	14.948	1167	1169	1172	rVB	210853	222242	4.34%	0.410%
53	15.005	1172	1174	1176	rBV	363449	416951	8.14%	0.769%
54	15.062	1176	1179	1180	rBV	565054	753608	14.71%	1.391%
55	15.611	1225	1227	1233	rVB3	121437	244311	4.77%	0.451%
56	15.965	1256	1258	1262	rVB2	90320	160298	3.13%	0.296%
57	16.285	1284	1286	1294	rVB	135452	309513	6.04%	0.571%
58	16.651	1316	1318	1325	rVB	106309	225757	4.41%	0.417%

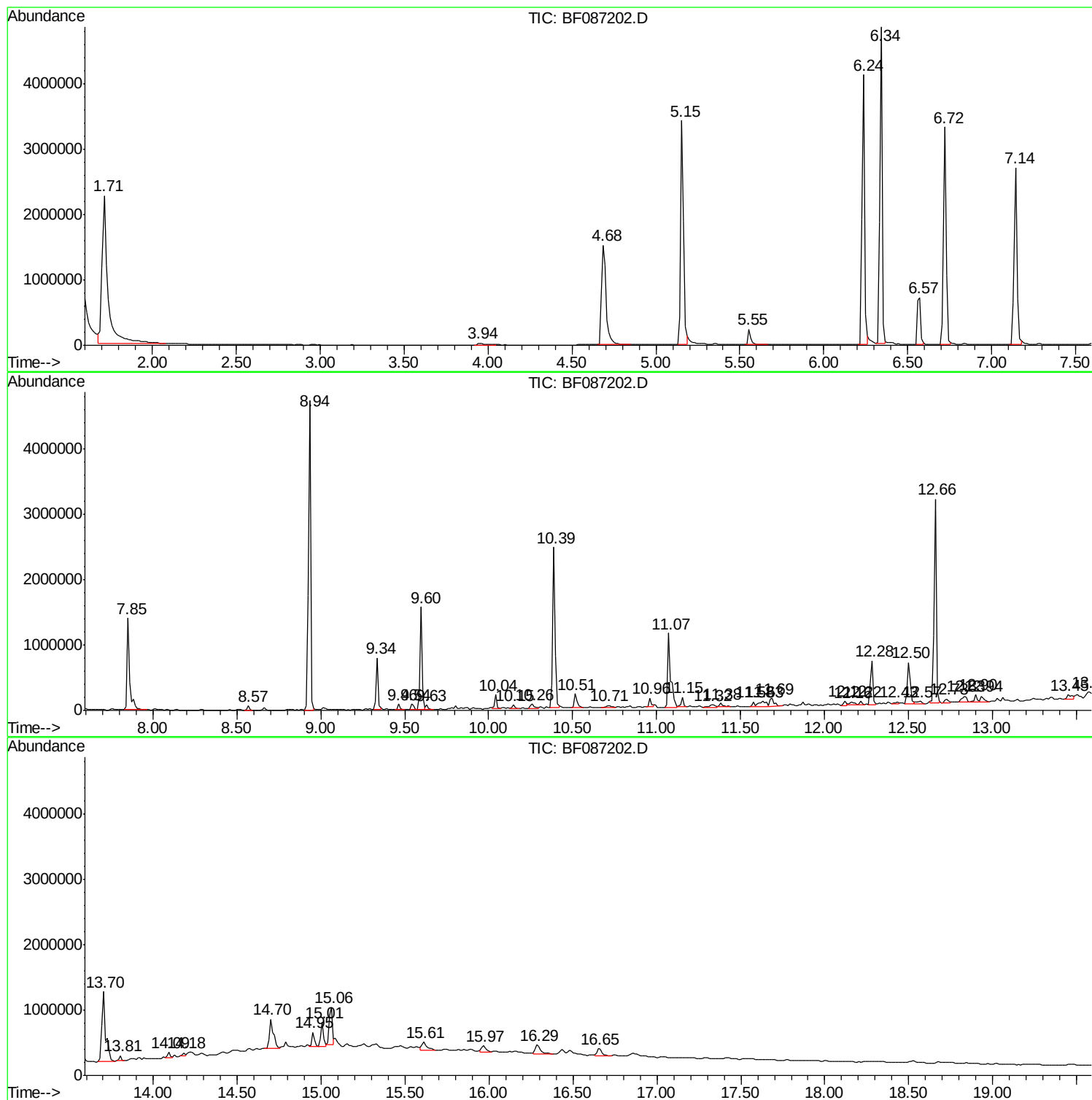
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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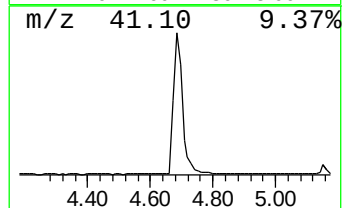
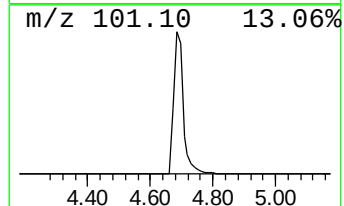
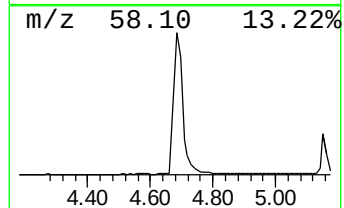
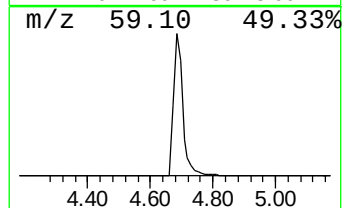
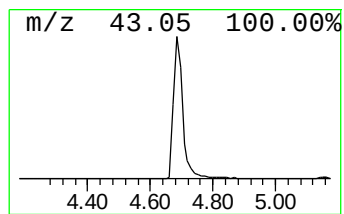
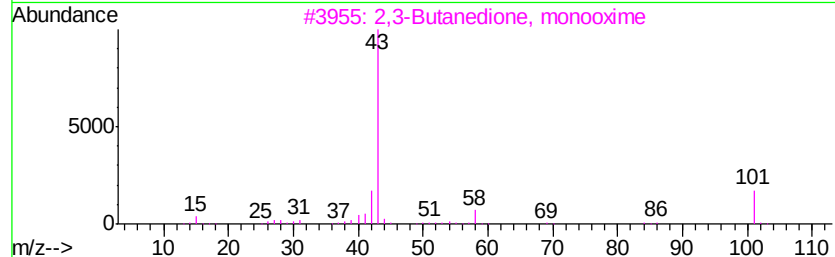
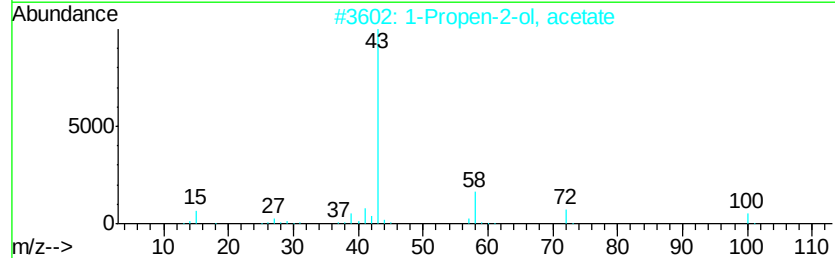
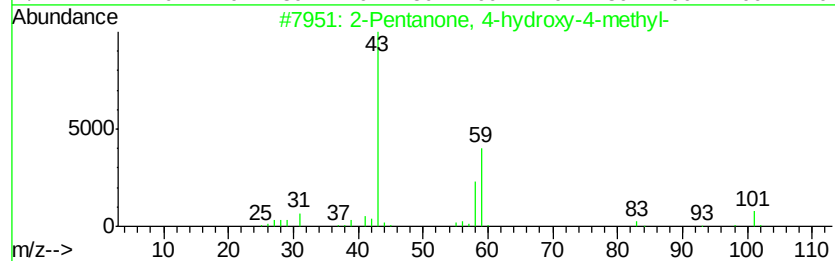
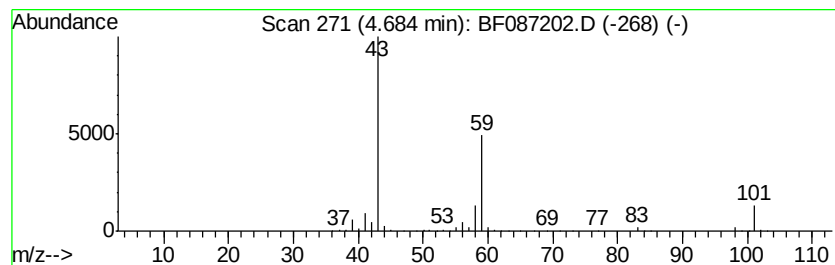
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	58.82 ng	2993590	1,4-Dichlorobenzene-d4	6.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4		2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5		Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9



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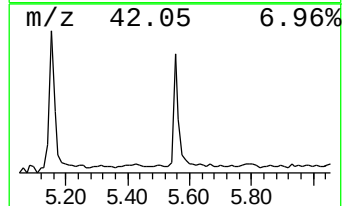
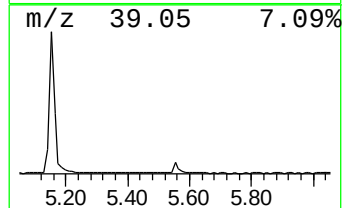
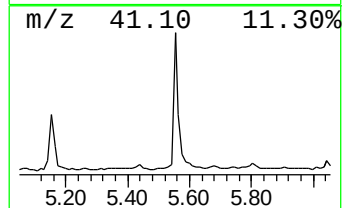
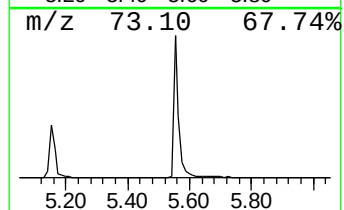
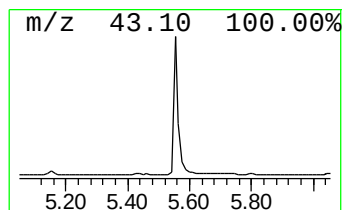
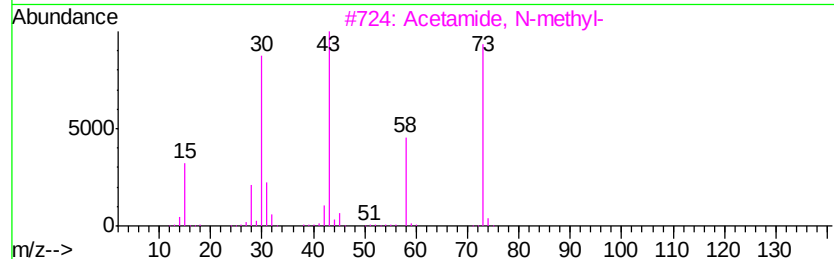
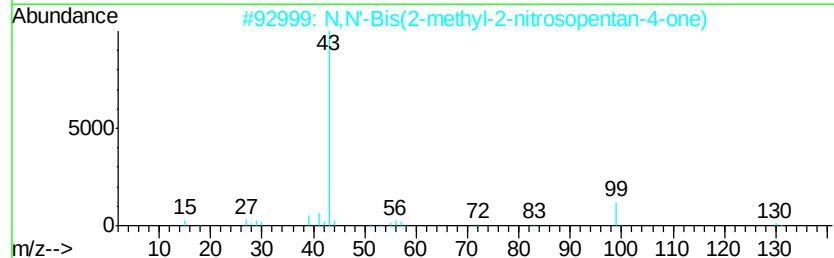
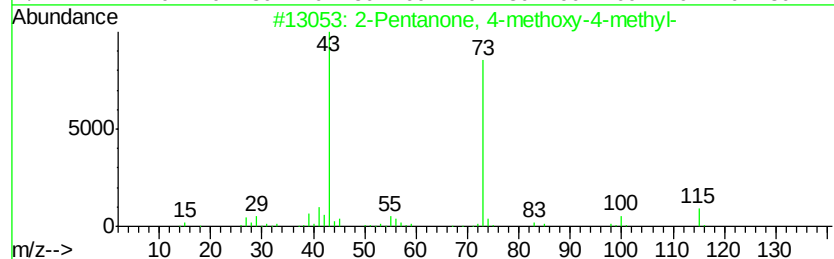
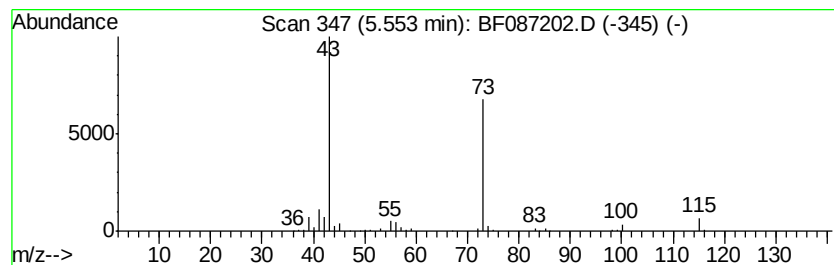
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.55	5.17 ng	262881	1,4-Dichlorobenzene-d4	6.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	64
2	N,N'-Bis(2-methyl-2-nitrosopenta...	258	C12H22N2O4	094514-30-4	32
3	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	25
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	23
5	2-Heptanone	114	C7H14O	000110-43-0	23



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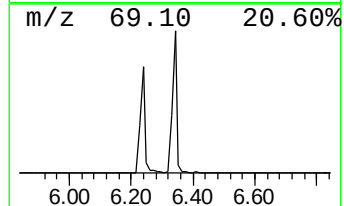
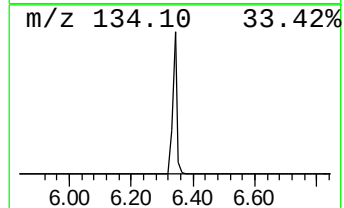
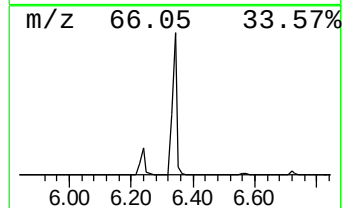
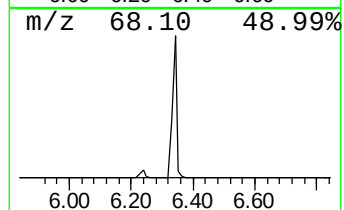
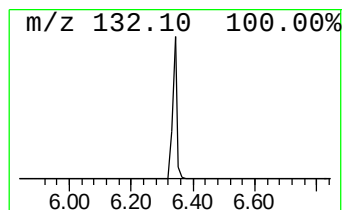
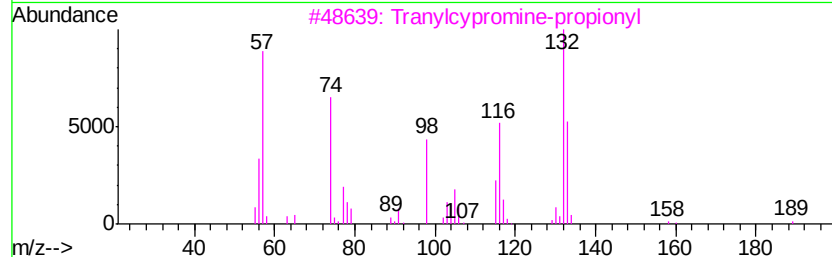
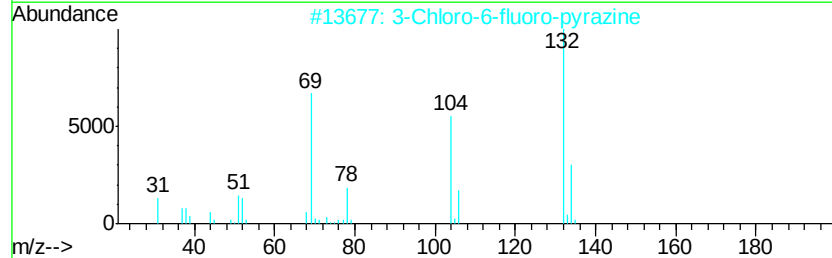
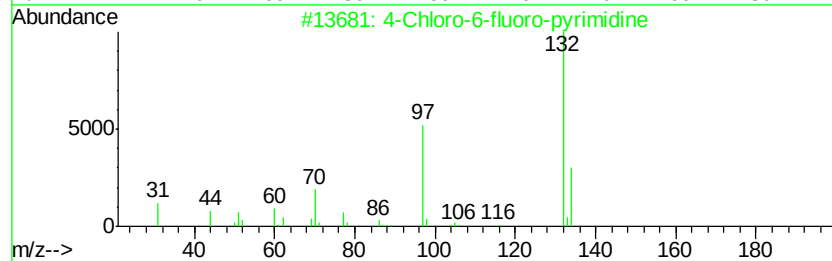
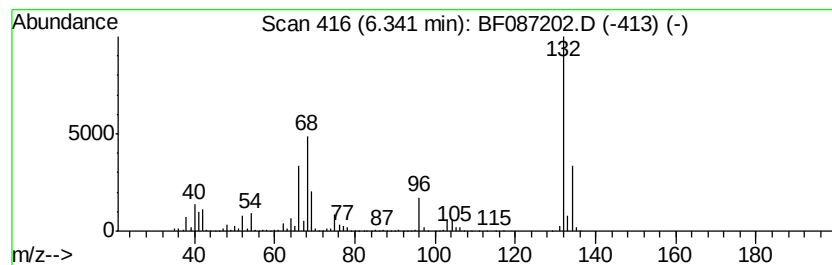
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 unknown6.34 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	94.49 ng	4808870	1,4-Dichlorobenzene-d4	6.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16



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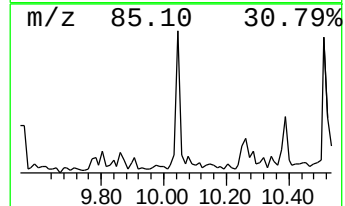
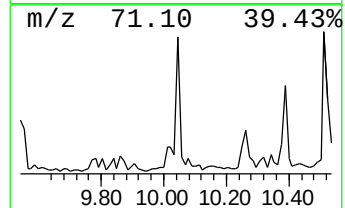
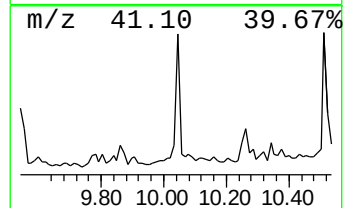
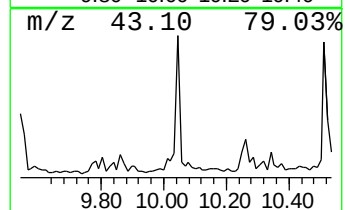
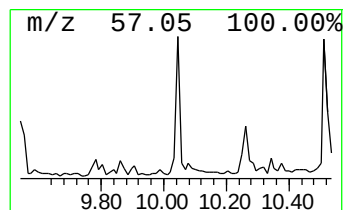
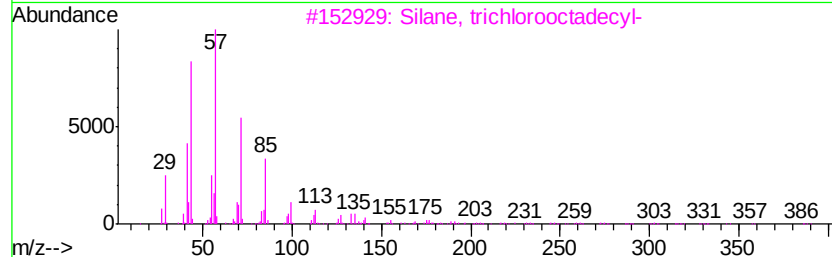
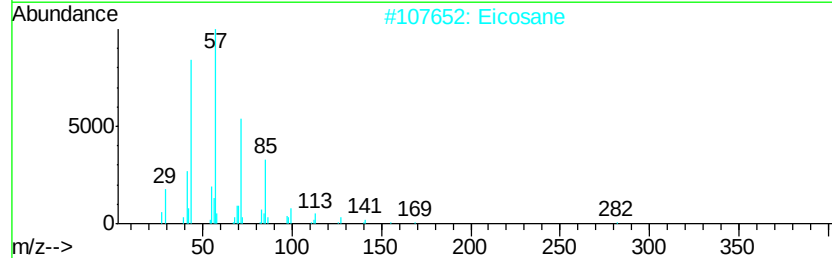
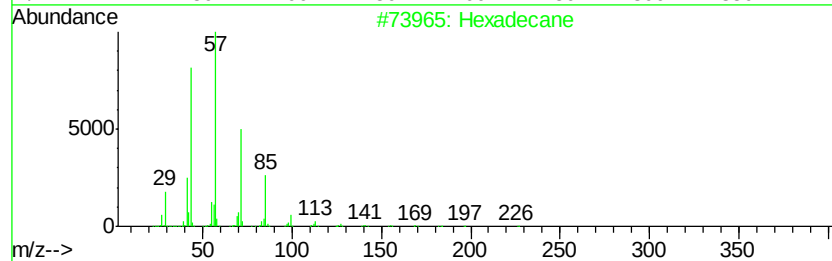
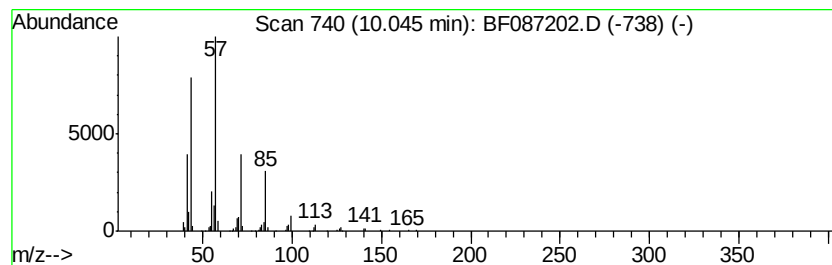
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Peak Number 6 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	2.35 ng	161576	Acenaphthene-d10	9.60
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Eicosane	282 C20H42	000112-95-8	90
3	Silane, trichlorooctadecyl-	386 C18H37Cl3Si	000112-04-9	86
4	Tridecane	184 C13H28	000629-50-5	86
5	Octadecane	254 C18H38	000593-45-3	86



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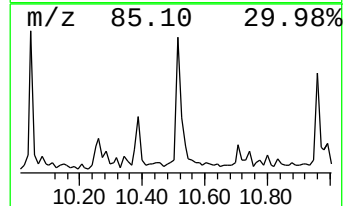
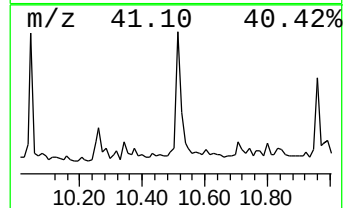
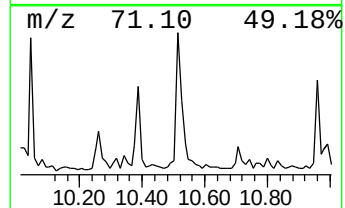
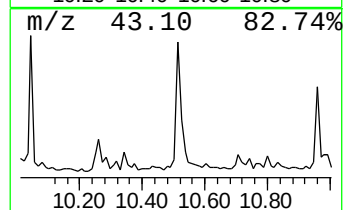
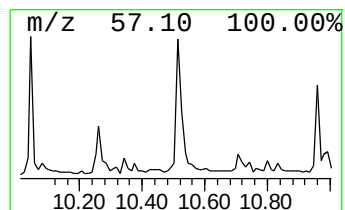
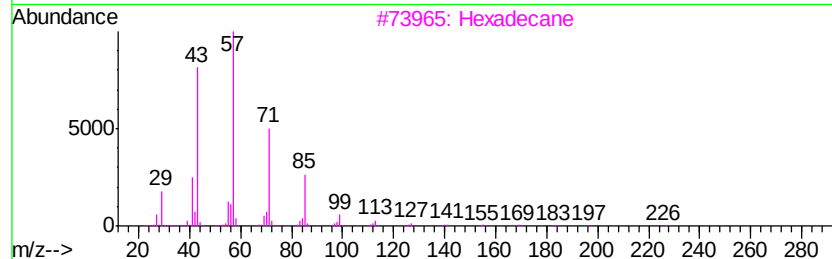
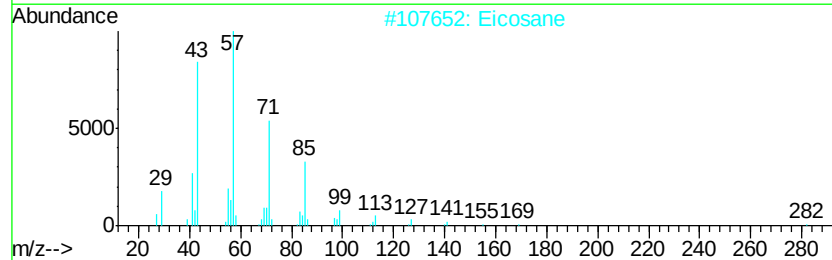
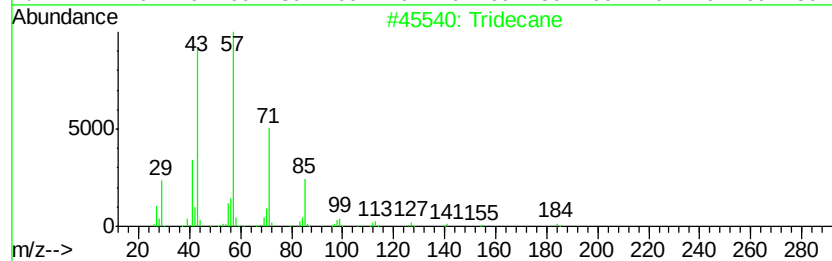
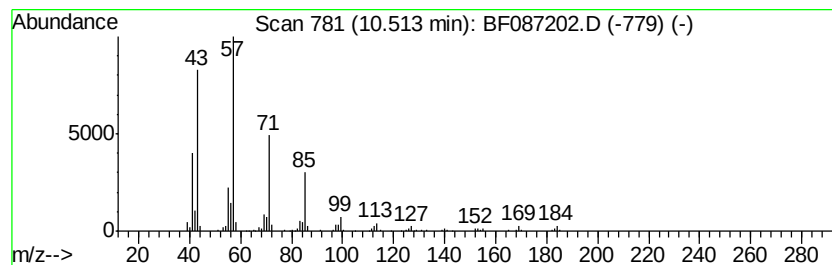
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FB-BWR-BB-R10-C51(0-15FT)

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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 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.51	3.42 ng	244989	Phenanthrene-d10		11.07
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Eicosane	282	C20H42	000112-95-8	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	90
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087202.D
Acq On : 19 May 2016 22:33
Operator : UM/SJ
Sample : H3132-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

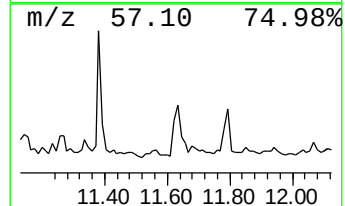
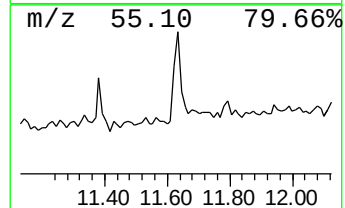
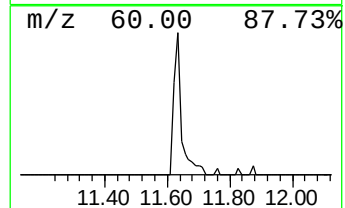
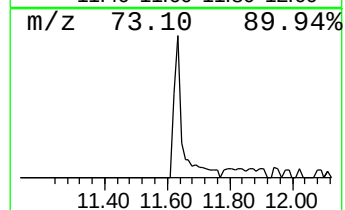
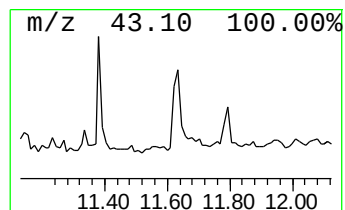
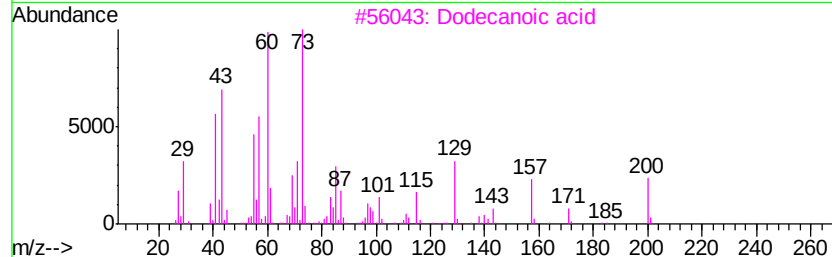
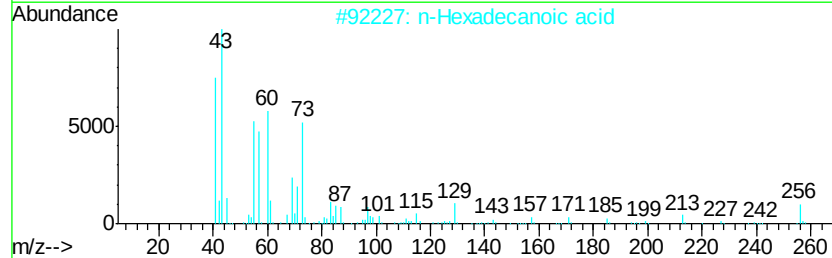
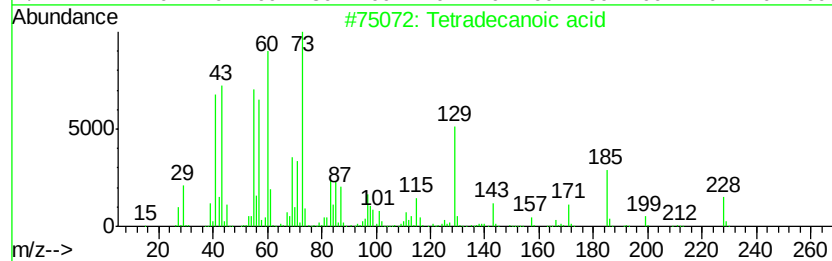
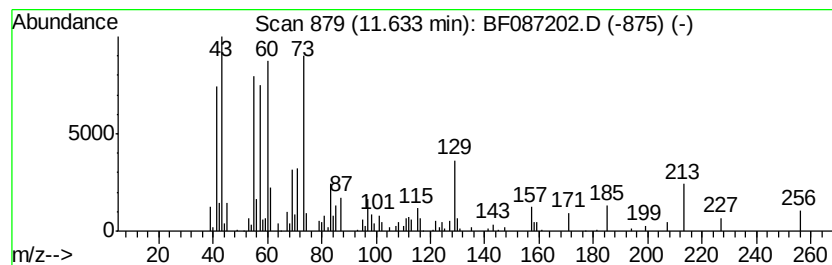
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.63	3.26 ng	233212	Phenanthrene-d10		11.07
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
3	Dodecanoic acid	200	C12H24O2	000143-07-7	59
4	Undecanoic acid	186	C11H22O2	000112-37-8	53
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
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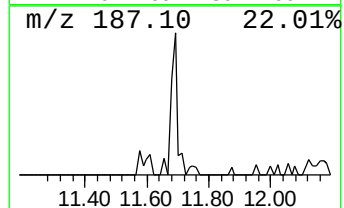
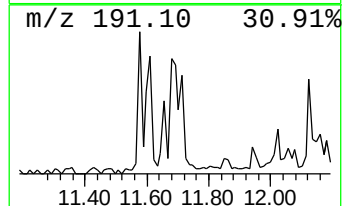
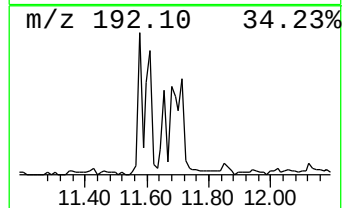
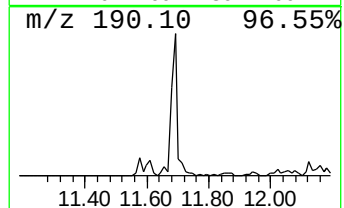
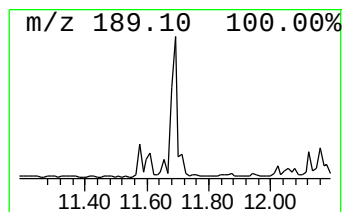
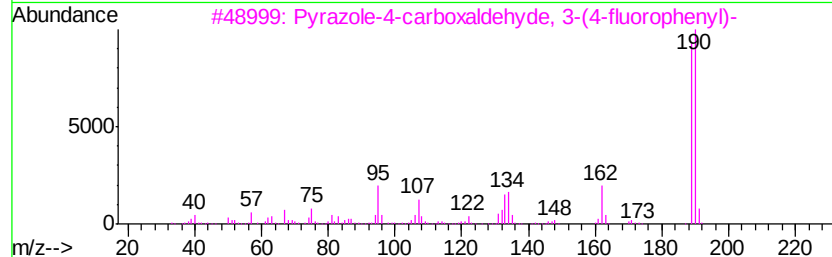
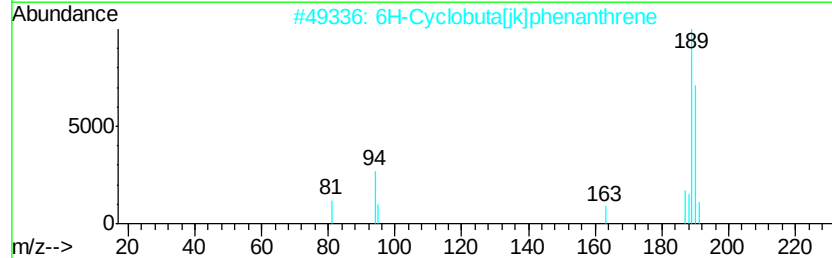
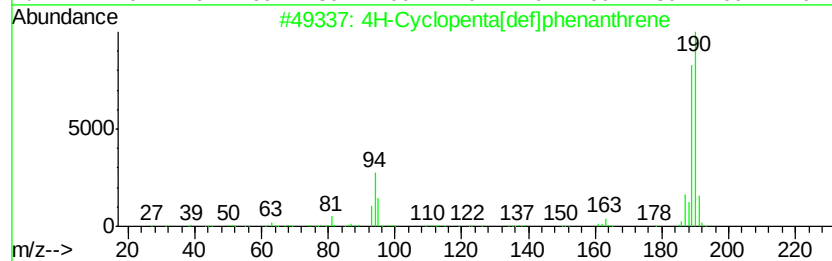
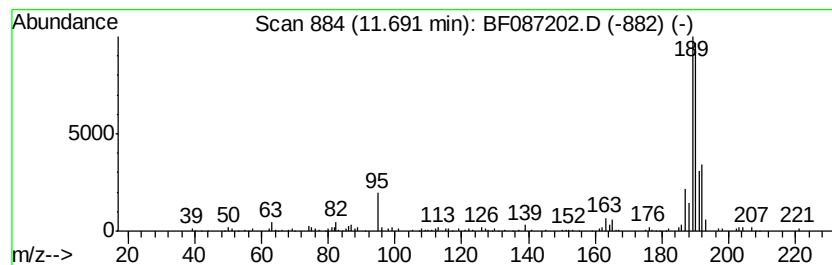
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.69	3.05 ng	218388	Phenanthrene-d10	11.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	42
4	2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	18
5	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
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Operator : UM/SJ
Sample : H3132-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

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FB-BWR-BB-R10-C51(0-15FT)

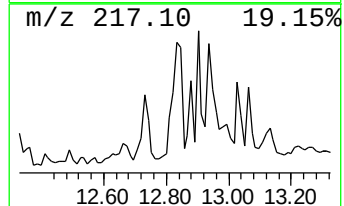
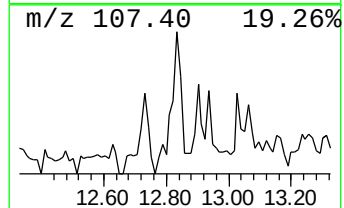
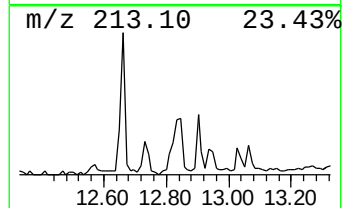
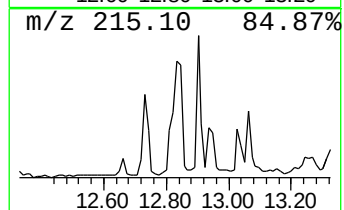
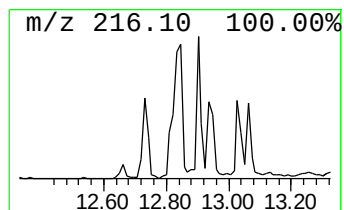
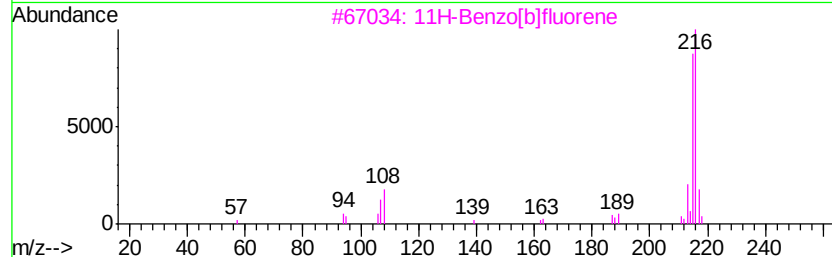
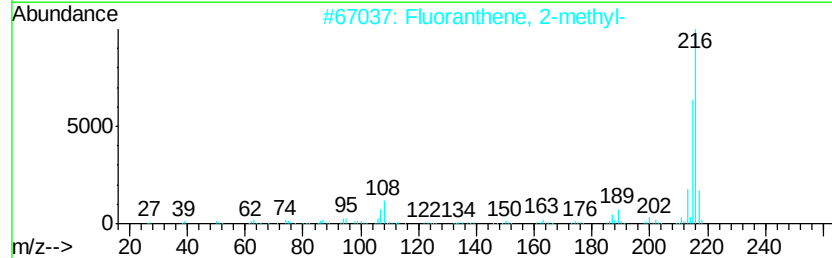
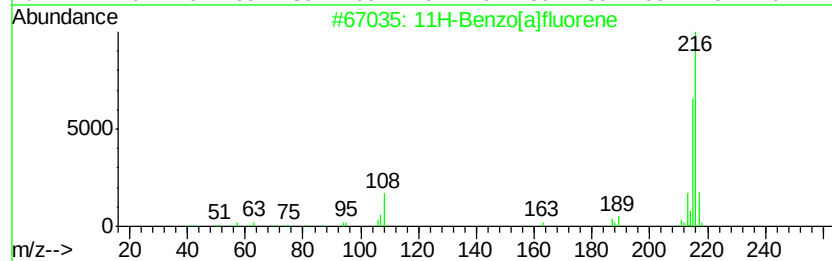
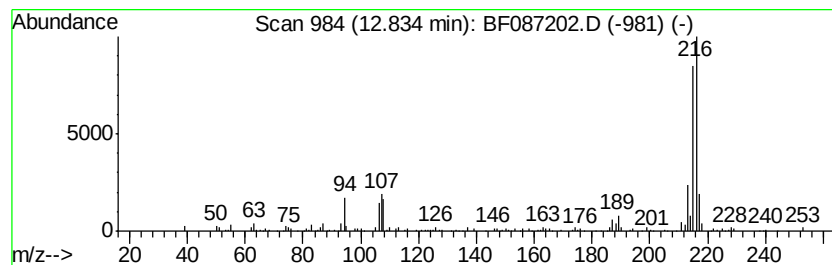
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	2.21 ng	194569	Chrysene-d12	13.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087202.D
Acq On : 19 May 2016 22:33
Operator : UM/SJ
Sample : H3132-01
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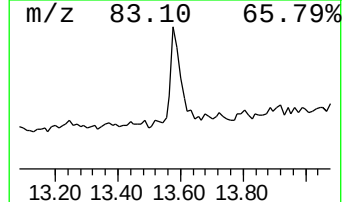
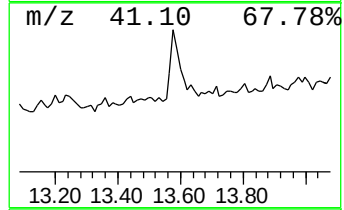
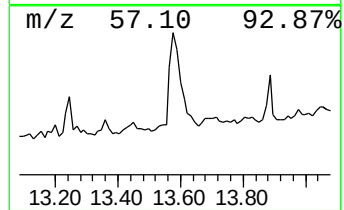
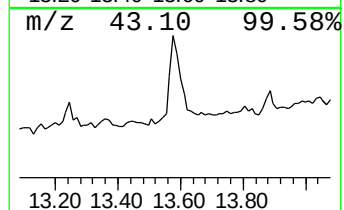
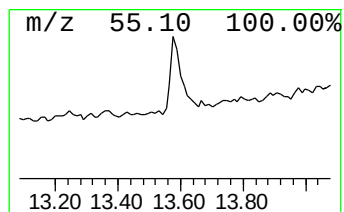
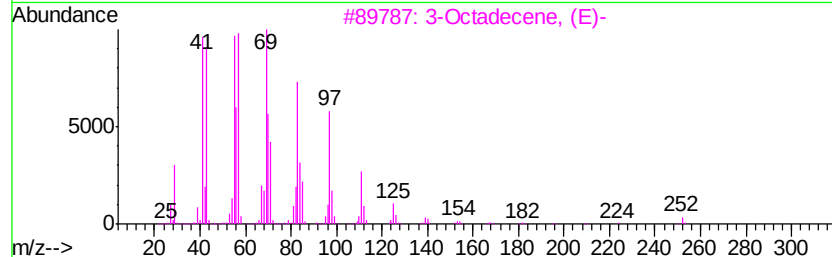
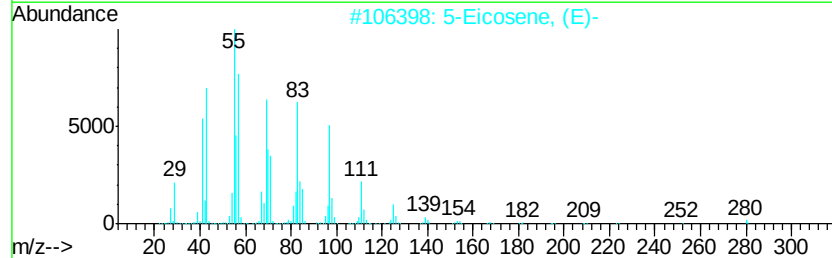
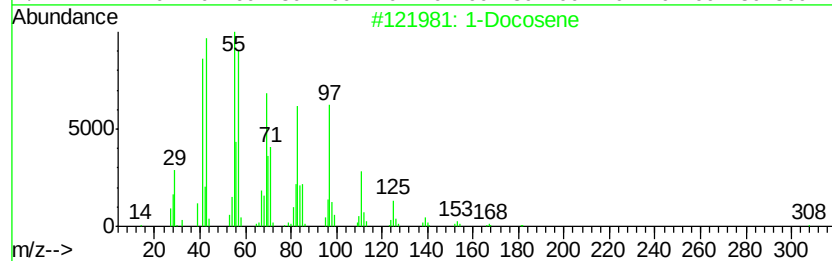
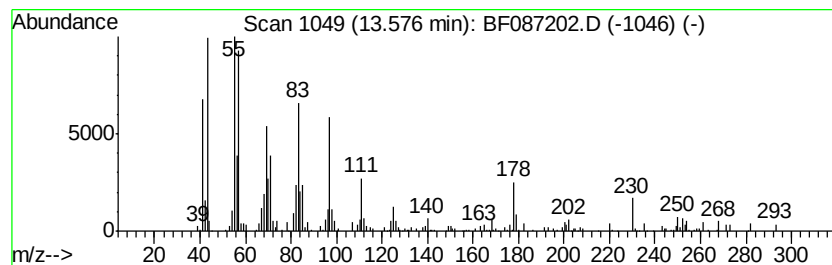
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-Docosene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	2.59 ng	227656	Chrysene-d12	13.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Docosene	308	C22H44	001599-67-3	83
2			5-Eicosene, (E)-	280	C20H40	074685-30-6	81
3			3-Octadecene, (E)-	252	C18H36	007206-19-1	78
4			Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	76
5			1-Tetracosanol	354	C24H50O	000506-51-4	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
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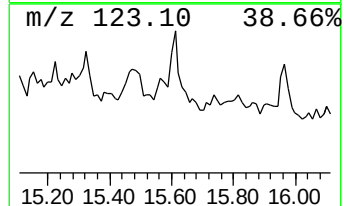
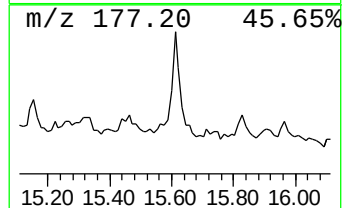
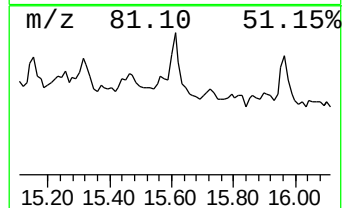
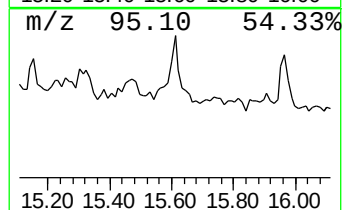
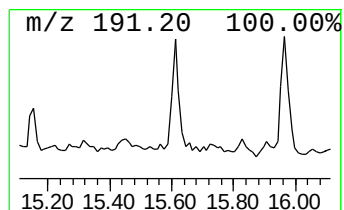
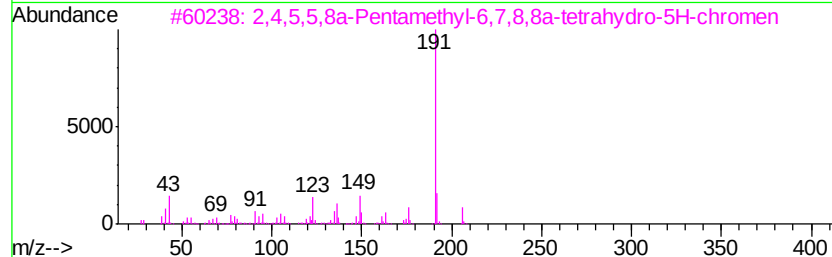
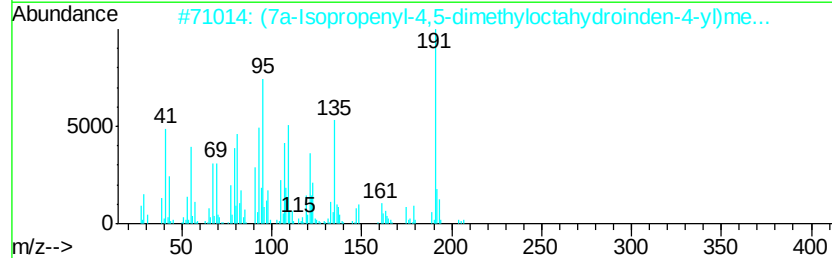
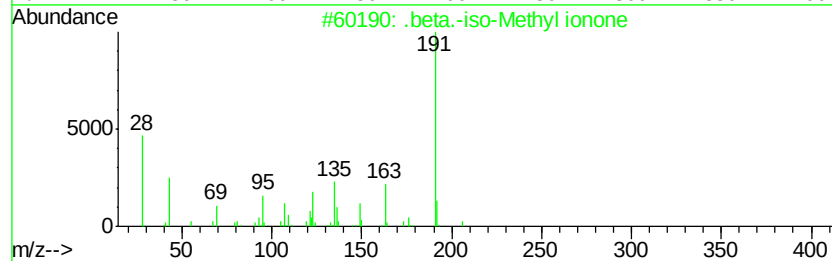
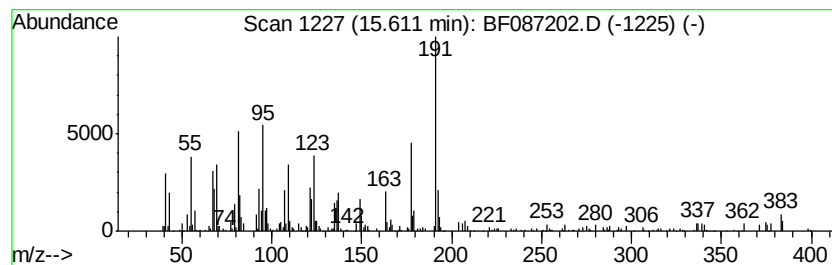
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 .beta.-iso-Methyl ionone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.61	6.48 ng	244311	Perylene-d12	15.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	52
2	(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	43
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32
4	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	27
5	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087202.D
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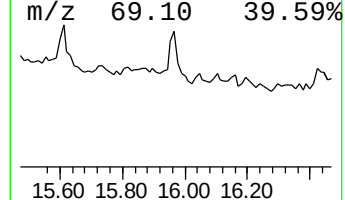
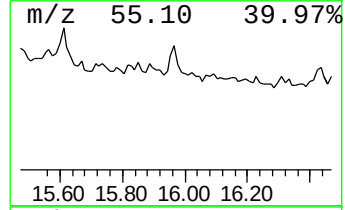
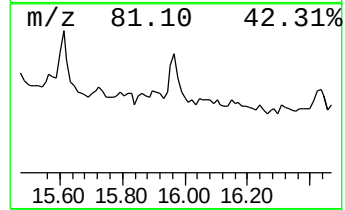
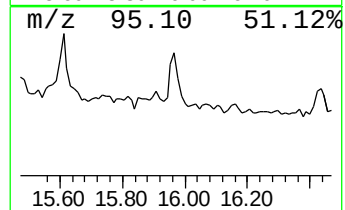
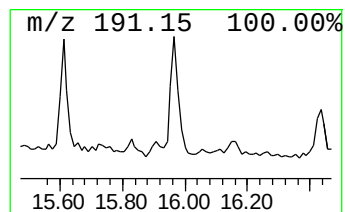
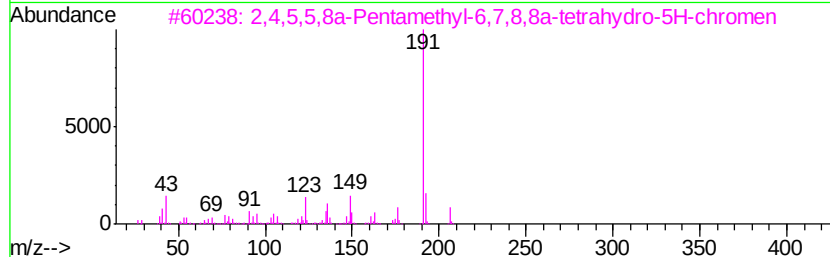
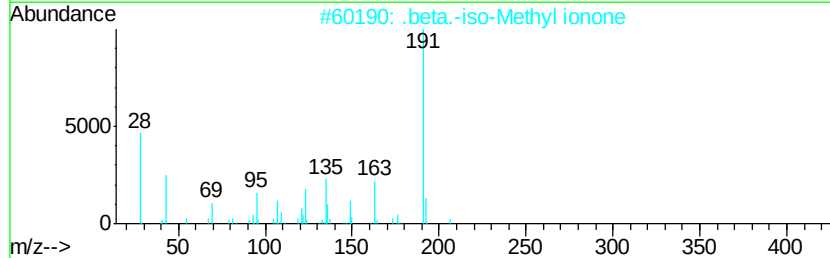
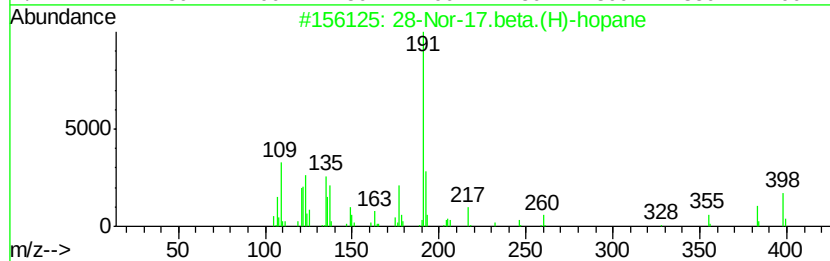
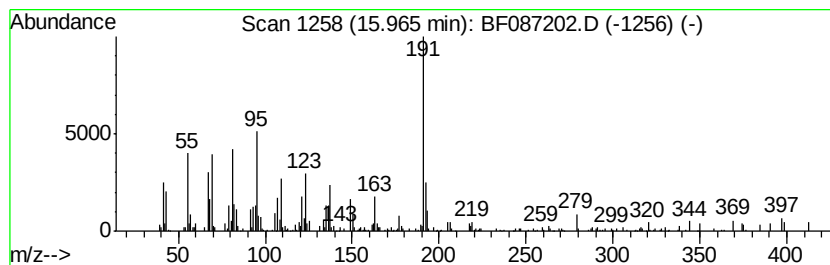
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 28-Nor-17.beta.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	4.25 ng	160298	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	90
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	62
3		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	47
4		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	45
5		Propenoic acid, 3-(3,4-dimethoxy...	344	C19H24N2O4	1000259-51-5	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
Data File : BF087202.D
Acq On : 19 May 2016 22:33
Operator : UM/SJ
Sample : H3132-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FB-BWR-BB-R10-C51(0-15FT)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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...	4.68	58.8	ng	2993590	1	6.57	1017870	20.0
2-Pentanone, 4-me...	5.55	5.2	ng	262881	1	6.57	1017870	20.0
unknown6.34	6.34	94.5	ng	4808870	1	6.57	1017870	20.0
Hexadecane	10.04	2.4	ng	161576	3	9.60	1374710	20.0
Tridecane	10.51	3.4	ng	244989	4	11.07	1431630	20.0
Tetradecanoic acid	11.63	3.3	ng	233212	4	11.07	1431630	20.0
4H-Cyclopenta[def...	11.69	3.0	ng	218388	4	11.07	1431630	20.0
11H-Benzo[a]fluorene	12.83	2.2	ng	194569	5	13.70	1760030	20.0
1-Docosene	13.58	2.6	ng	227656	5	13.70	1760030	20.0
.beta.-iso-Methyl...	15.61	6.5	ng	244311	6	15.06	753608	20.0
28-Nor-17.beta.(H...	15.97	4.3	ng	160298	6	15.06	753608	20.0