

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
 Data File : BF086273.D
 Acq On : 16 Apr 2016 18:37
 Operator : UM/SJ
 Sample : H2413-05
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-E-5(0-2)

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-BF041516.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	5.081	260	262	269	rBV	452460	548097	9.47%	0.935%
2	5.493	295	298	300	rBV	5086578	5785021	100.00%	9.872%
3	6.522	385	388	390	rBV	5017802	5261543	90.95%	8.979%
4	6.659	397	400	403	rBV	5061234	5168327	89.34%	8.820%
5	6.899	418	421	423	rBV	1733486	1844197	31.88%	3.147%
6	7.047	432	434	437	rVB	3654204	4225164	73.04%	7.210%
7	7.459	467	470	472	rBV	3876729	3805438	65.78%	6.494%
8	7.539	475	477	479	rVB	78694	71330	1.23%	0.122%
9	7.905	506	509	510	rBV	60533	63685	1.10%	0.109%
10	8.179	531	533	535	rBV	2733010	2318951	40.09%	3.957%
11	9.253	625	627	630	rBV	4311927	4704305	81.32%	8.028%
12	9.596	654	657	660	rBV2	43652	87915	1.52%	0.150%
13	9.653	660	662	664	rBV	432725	487564	8.43%	0.832%
14	9.790	672	674	676	rBV	121620	120658	2.09%	0.206%
15	9.870	680	681	683	rVB	134555	99256	1.72%	0.169%
16	9.939	684	687	688	rVV	1448182	2034813	35.17%	3.472%
17	10.373	720	725	727	rBV2	169077	251834	4.35%	0.430%
18	10.476	733	734	737	rVB	63742	65982	1.14%	0.113%
19	10.591	741	744	747	rBV	83951	138723	2.40%	0.237%
20	10.716	753	755	758	rBV	2474997	2412813	41.71%	4.118%
21	10.842	764	766	772	rVB	277379	288320	4.98%	0.492%
22	11.036	780	783	785	rBV2	30848	62439	1.08%	0.107%
23	11.288	801	805	806	rBV	143357	165495	2.86%	0.282%
24	11.311	806	807	811	rVB3	49375	69705	1.20%	0.119%
25	11.413	814	816	820	rBV2	1839590	2004532	34.65%	3.421%
26	11.493	820	823	824	rVB	119010	165631	2.86%	0.283%
27	11.642	833	836	838	rBV	63482	81176	1.40%	0.139%
28	11.916	858	860	861	rVV	109901	111099	1.92%	0.190%
29	11.951	861	863	865	rVV	254504	398607	6.89%	0.680%
30	11.985	865	866	868	rVV	73337	98132	1.70%	0.167%
31	12.031	868	870	873	rVV2	166996	276576	4.78%	0.472%
32	12.122	873	878	879	rVV2	41191	70886	1.23%	0.121%
33	12.214	883	886	891	rVV4	60937	165816	2.87%	0.283%
34	12.465	905	908	909	rBV	110149	111766	1.93%	0.191%

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SP-2-E-5(0-2)

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
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35	12.499	909	911	914	rVB3	54384	95716	1.65%	0.163%
36	12.545	914	915	920	rBV2	68165	93308	1.61%	0.159%
37	12.625	920	922	924	rBV	1077400	917063	15.85%	1.565%
38	12.728	929	931	934	rBV3	62801	120392	2.08%	0.205%
39	12.854	939	942	944	rBV	1021328	1077133	18.62%	1.838%
40	13.002	953	955	957	rVB	3309640	3134165	54.18%	5.349%
41	13.071	957	961	965	rVB3	79489	104571	1.81%	0.178%
42	13.185	967	971	972	rVB2	141484	234828	4.06%	0.401%
43	13.242	975	976	978	rVB	110935	115919	2.00%	0.198%
44	13.288	978	980	981	rBV	124203	137423	2.38%	0.235%
45	13.379	986	988	989	rVB	76554	81372	1.41%	0.139%
46	13.482	995	997	1000	rBV4	62103	79442	1.37%	0.136%
47	13.688	1013	1015	1017	rVB	82524	118827	2.05%	0.203%
48	13.791	1022	1024	1026	rBV2	109558	203289	3.51%	0.347%
49	13.905	1031	1034	1038	rVV	700326	1042909	18.03%	1.780%
50	14.054	1043	1047	1051	rBV2	1713792	2915405	50.40%	4.975%
51	14.157	1054	1056	1057	rVV	93972	77347	1.34%	0.132%
52	14.431	1078	1080	1082	rBV	135574	201722	3.49%	0.344%
53	14.534	1087	1089	1092	rBV3	237207	373181	6.45%	0.637%
54	14.911	1119	1122	1124	rBV	266554	321837	5.56%	0.549%
55	15.071	1134	1136	1141	rBV	428332	927925	16.04%	1.584%
56	15.368	1160	1162	1165	rVB	338755	392215	6.78%	0.669%
57	15.425	1165	1167	1169	rBV	369119	443003	7.66%	0.756%
58	15.494	1170	1173	1175	rBV	956554	1387225	23.98%	2.367%
59	16.008	1216	1218	1223	rVB6	183577	436726	7.55%	0.745%

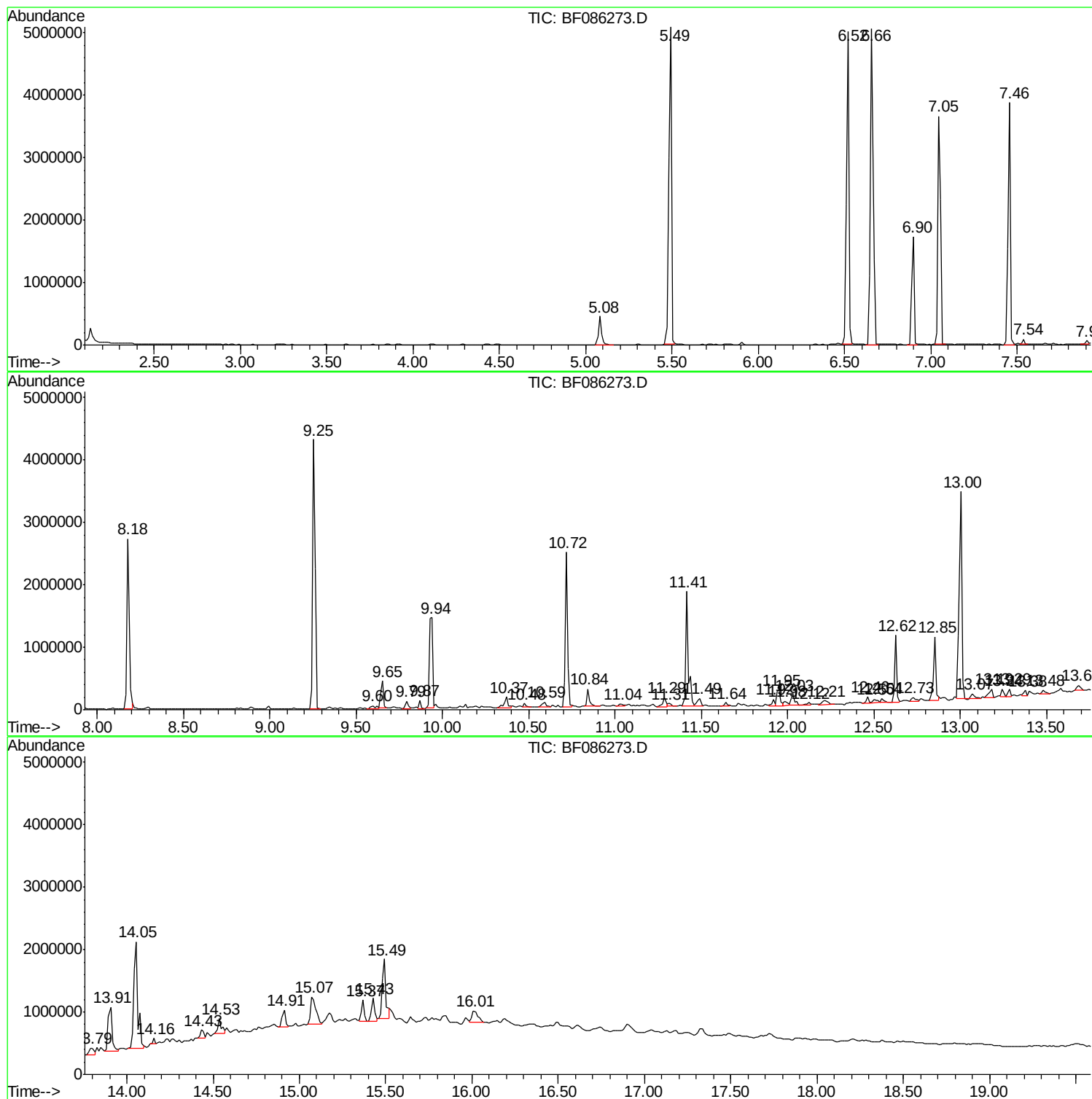
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Instrument :
BNA_F
ClientSampled :
SP-2-E-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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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Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 52 Sample Multiplier: 1

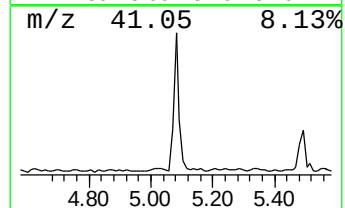
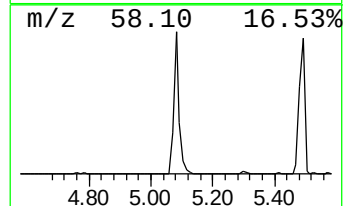
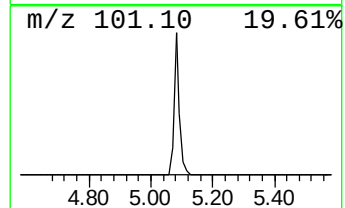
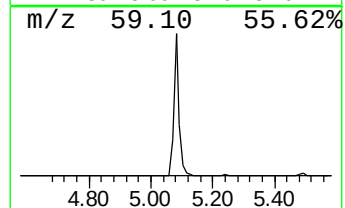
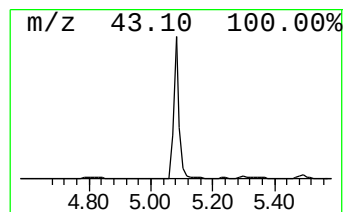
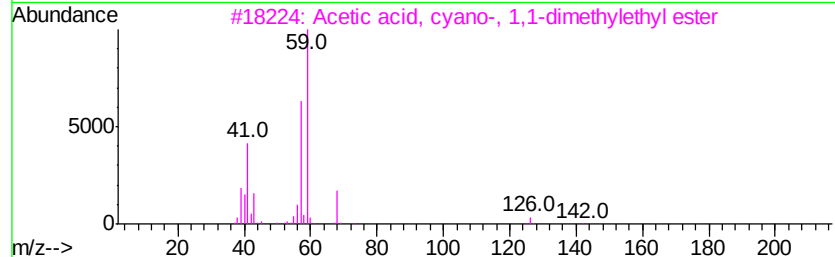
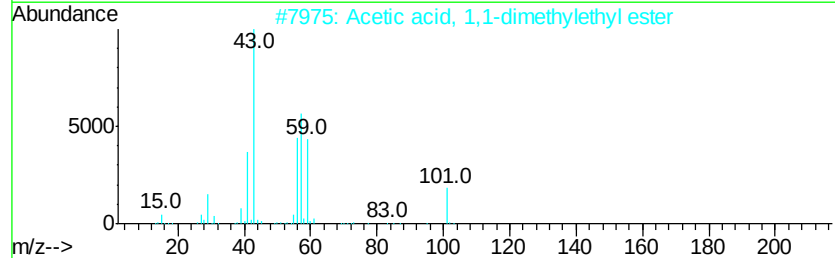
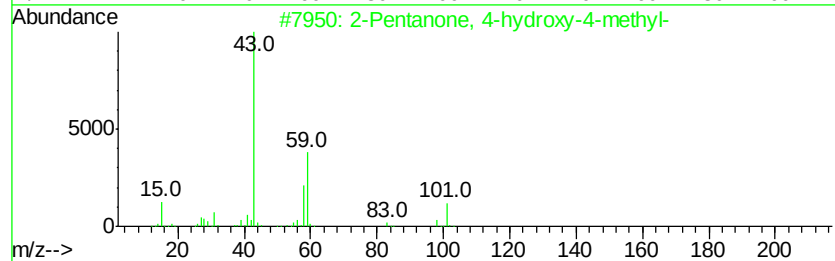
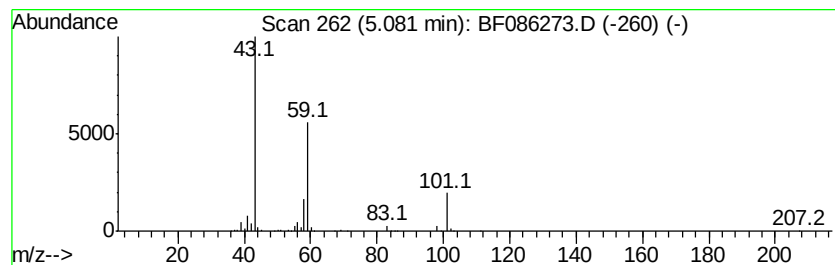
Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.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 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.08	5.94 ng	548097	1,4-Dichlorobenzene-d4	6.90	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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Misc :
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Instrument :
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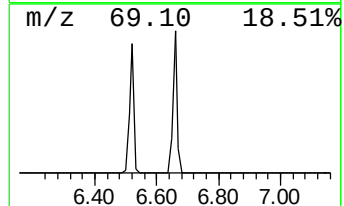
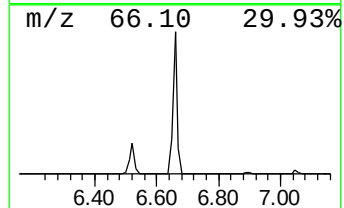
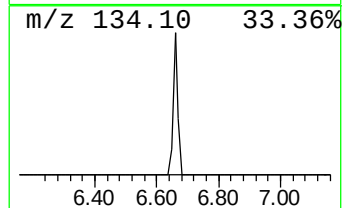
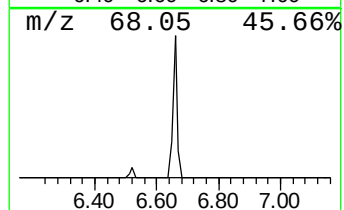
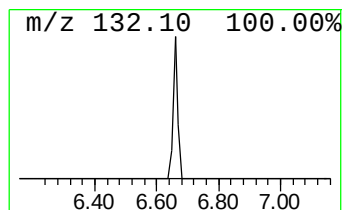
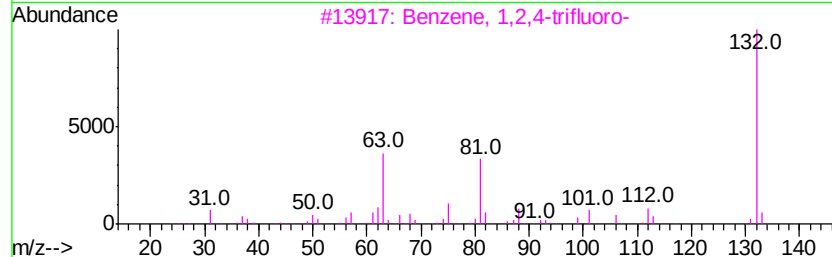
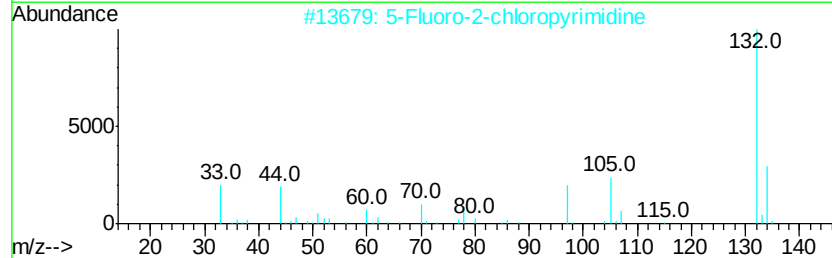
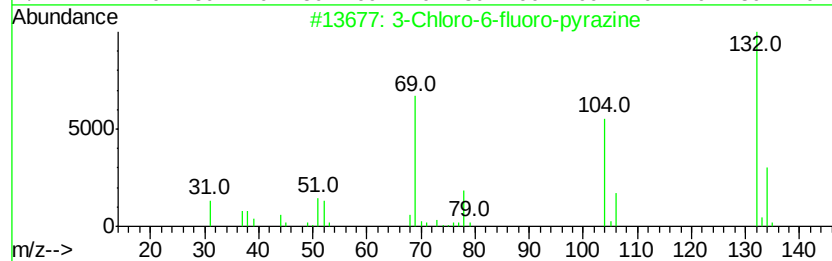
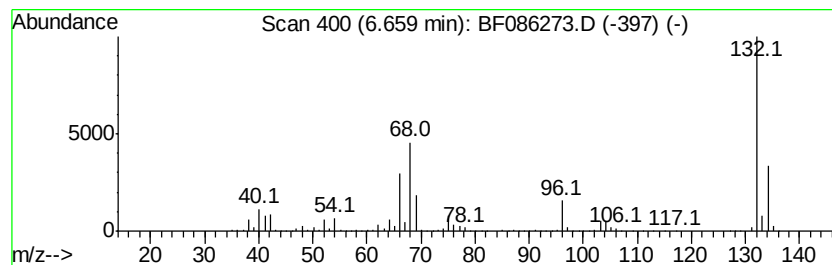
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	56.05 ng	5168330	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
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		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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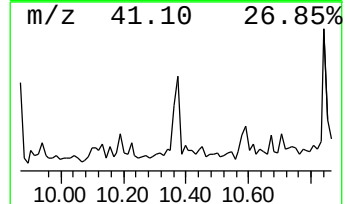
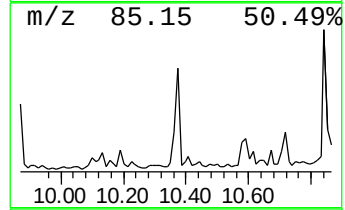
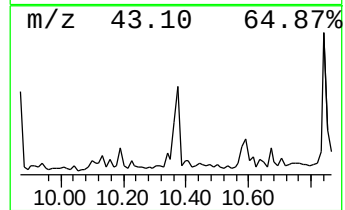
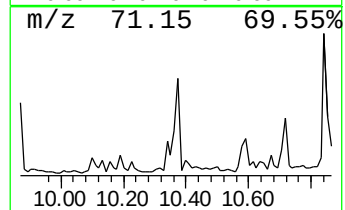
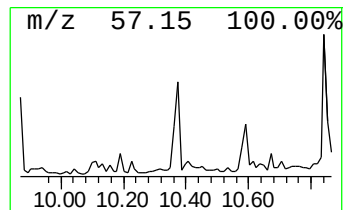
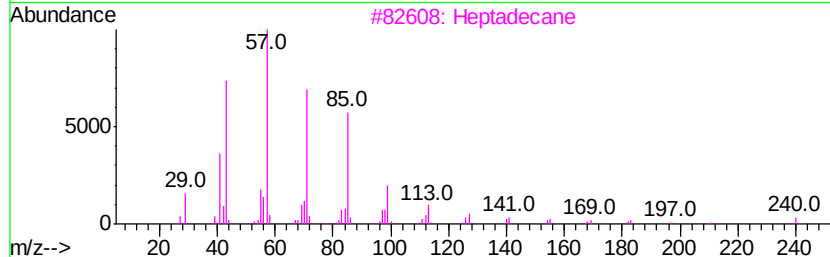
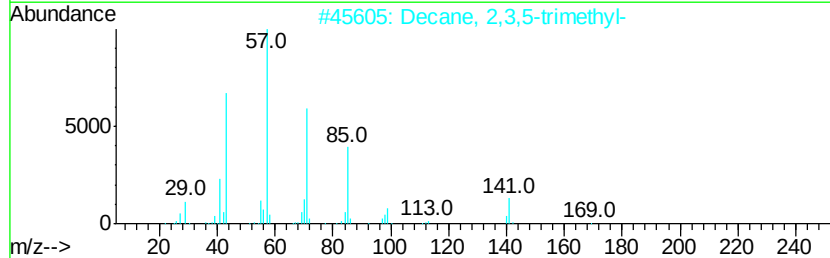
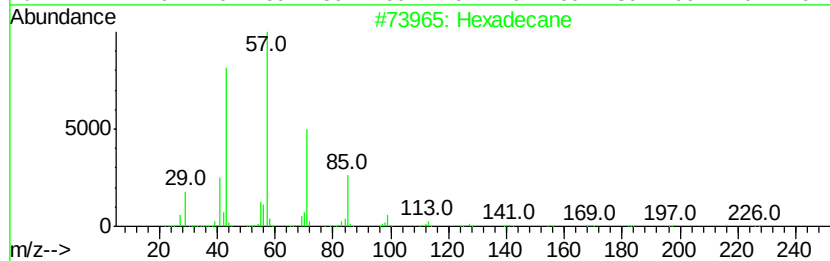
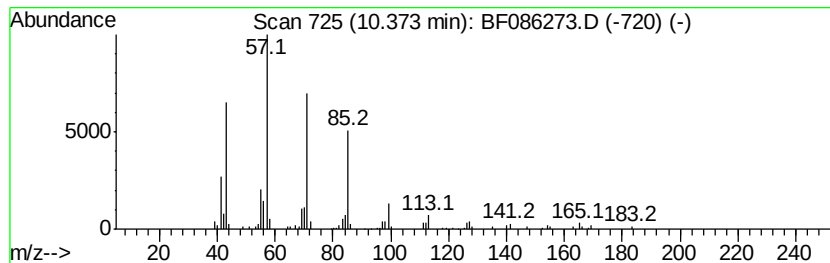
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	2.48 ng	251834	Acenaphthene-d10	9.93
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane		226 C16H34	000544-76-3 90
2	Decane, 2,3,5-trimethyl-		184 C13H28	062238-11-3 90
3	Heptadecane		240 C17H36	000629-78-7 90
4	Dodecane, 2-methyl-6-propyl-		226 C16H34	055045-08-4 86
5	Pentadecane		212 C15H32	000629-62-9 86



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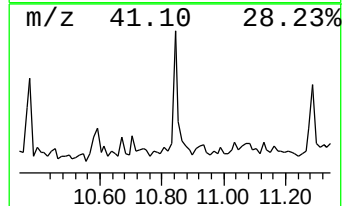
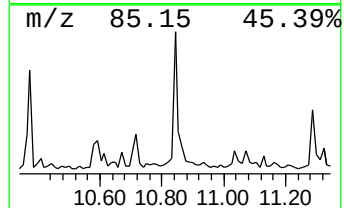
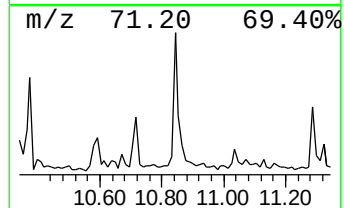
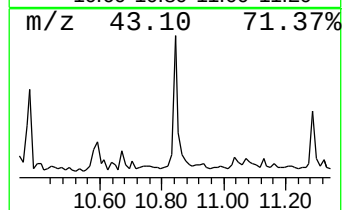
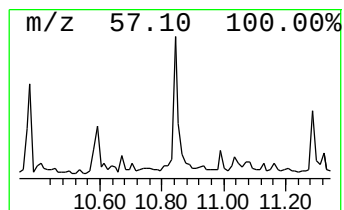
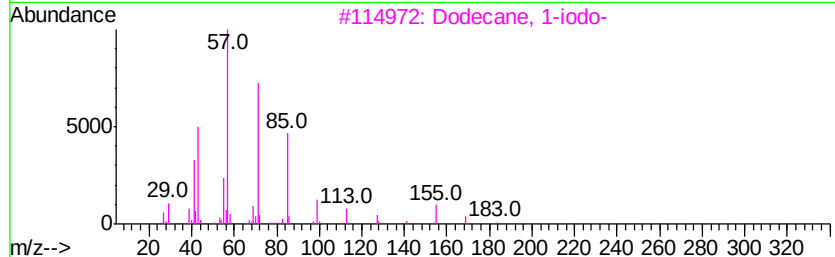
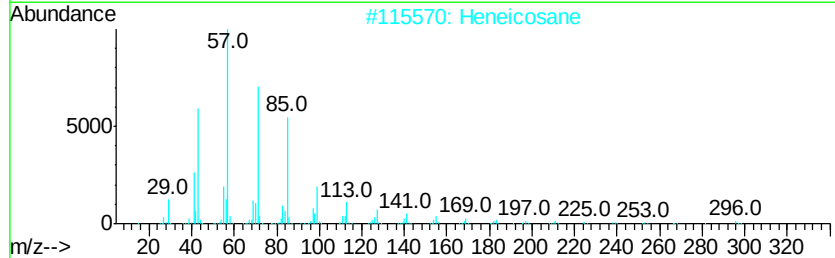
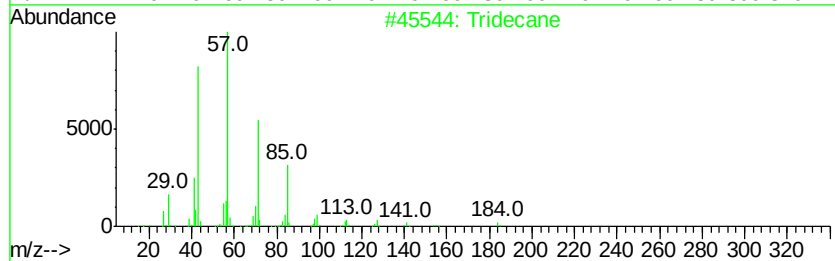
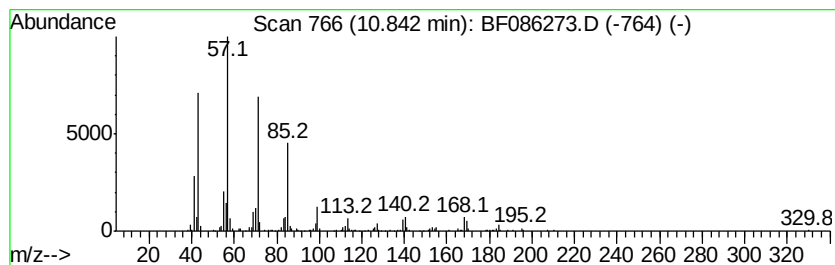
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	2.88 ng	288320	Phenanthrene-d10	11.41

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	92
2	Heneicosane		296	C21H44	000629-94-7	74
3	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	74
4	Heptadecane		240	C17H36	000629-78-7	72
5	Undecane, 2-methyl-		170	C12H26	007045-71-8	72



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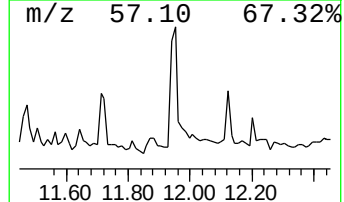
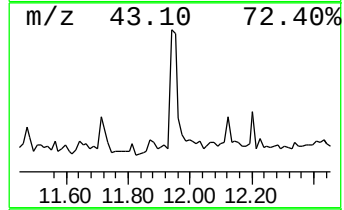
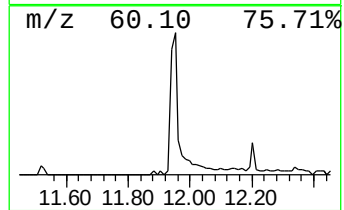
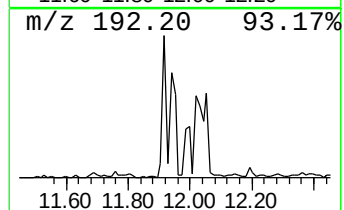
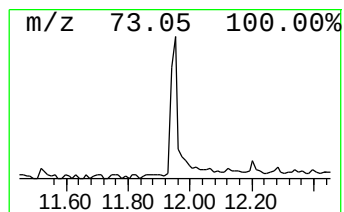
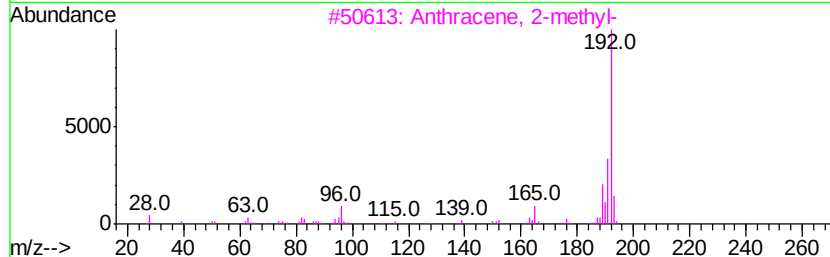
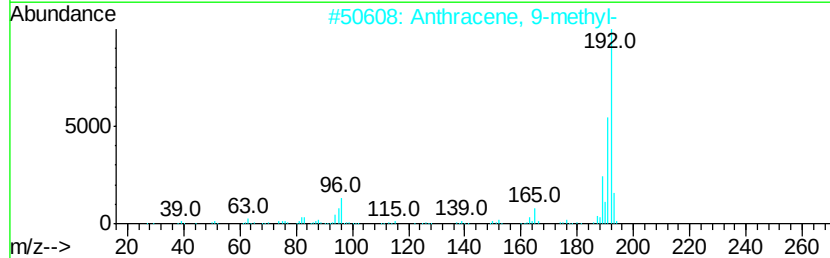
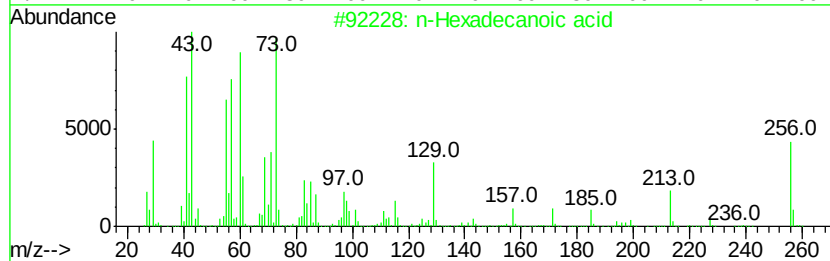
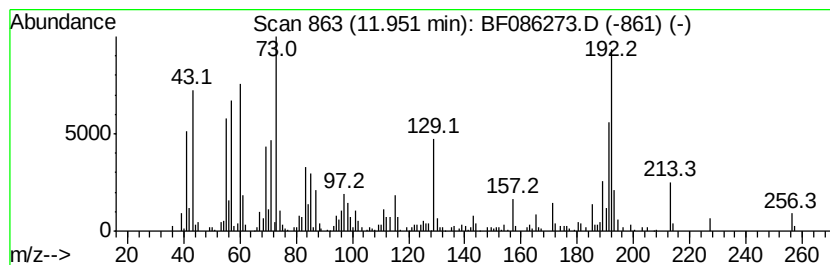
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ClientSampled :
SP-2-E-5(0-2)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	3.98 ng	398607	Phenanthrene-d10	11.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	78
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
Data File : BF086273.D
Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

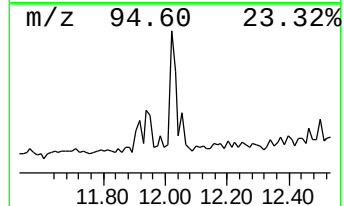
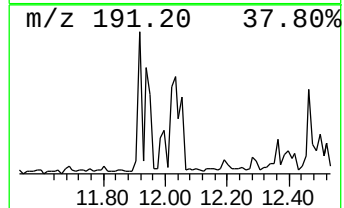
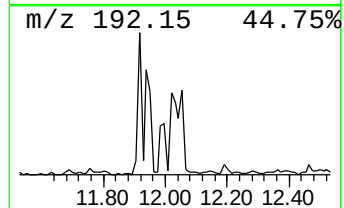
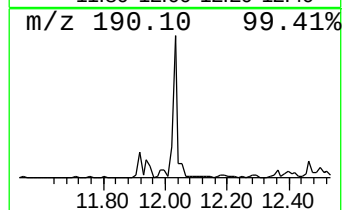
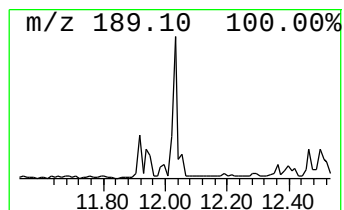
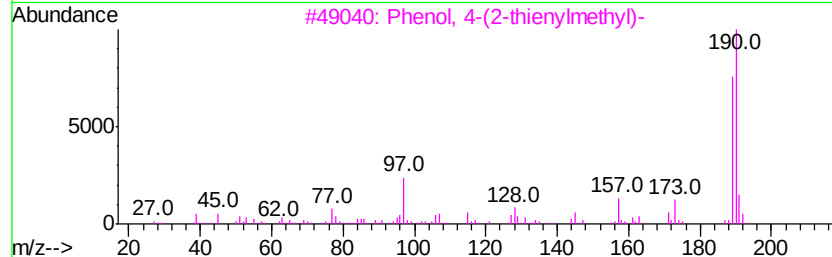
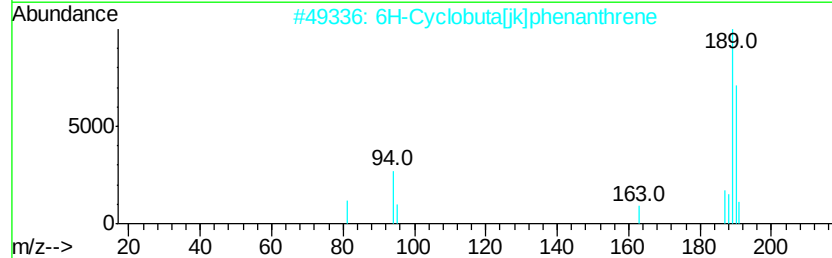
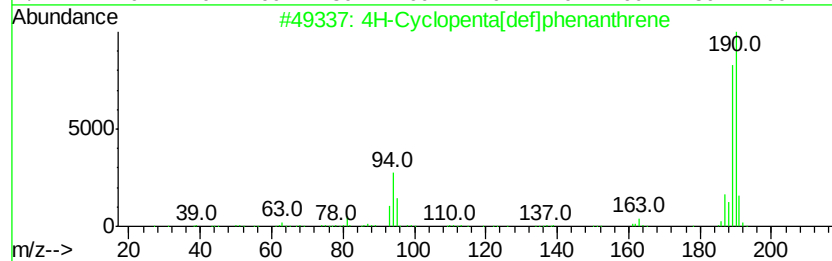
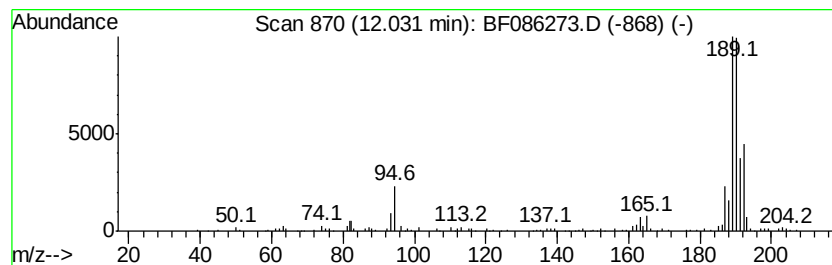
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.76 ng	276576	Phenanthrene-d10	11.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	38
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5		4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086273.D
Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SP-2-E-5(0-2)

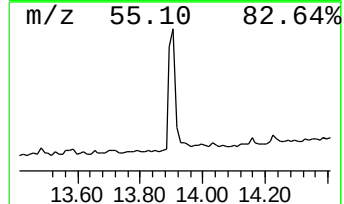
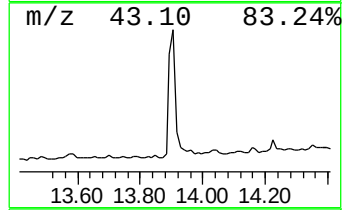
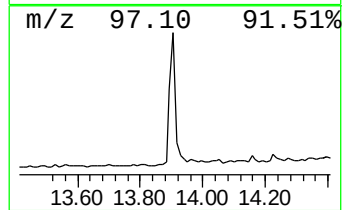
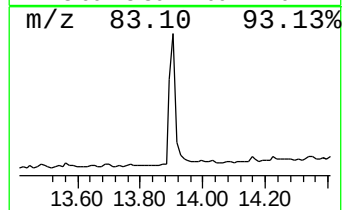
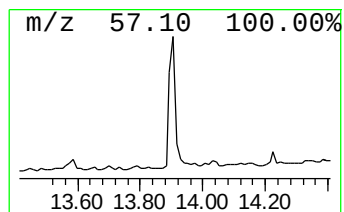
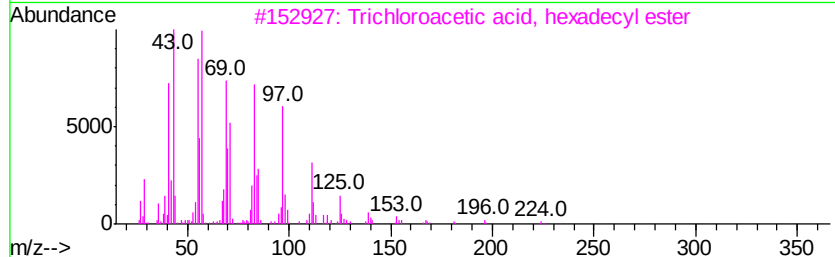
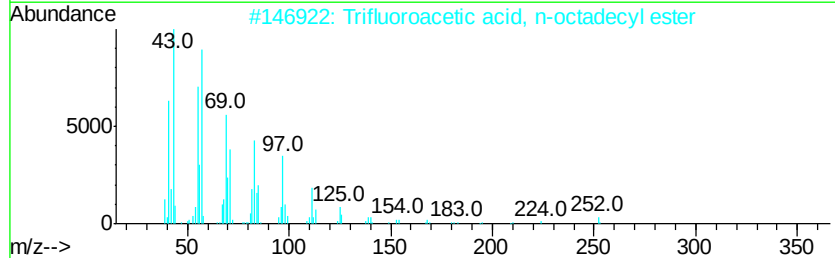
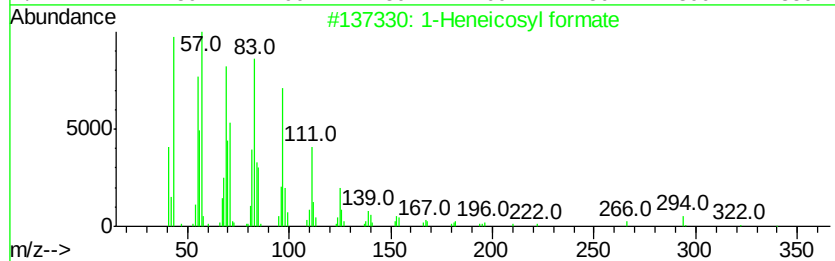
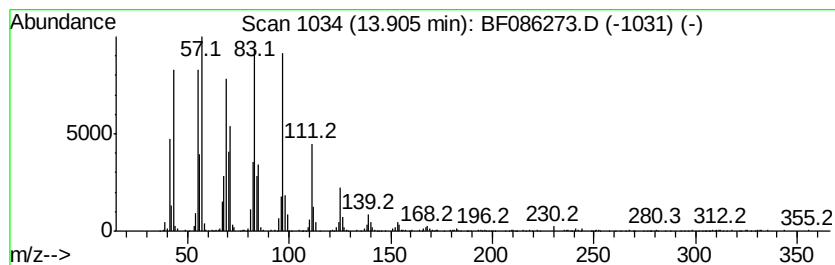
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Heneicosyl formate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	7.15 ng	1042910	Chrysene-d12	14.05

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
2		Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	91
3		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4		1-Nonadecene	266	C19H38	018435-45-5	91
5		2-Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
Data File : BF086273.D
Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 52 Sample Multiplier: 1

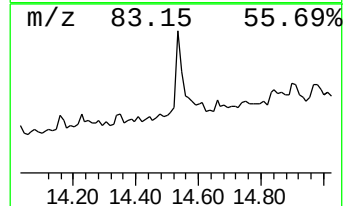
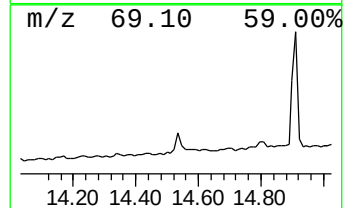
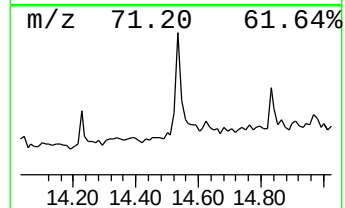
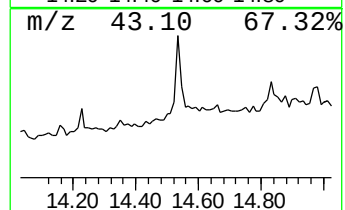
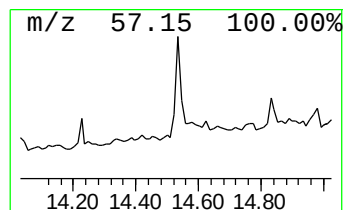
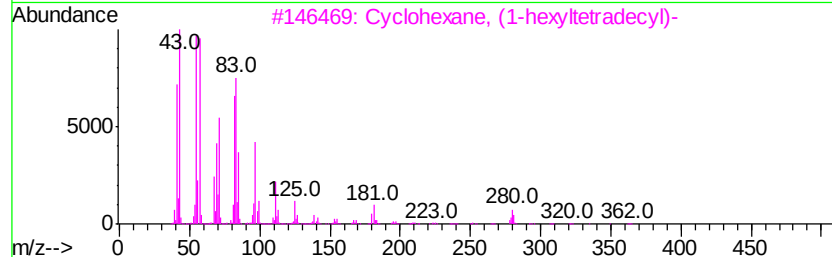
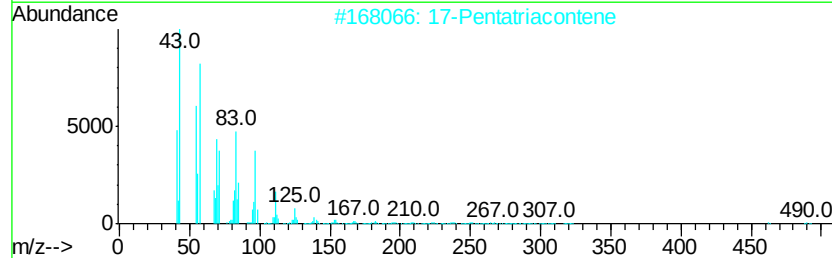
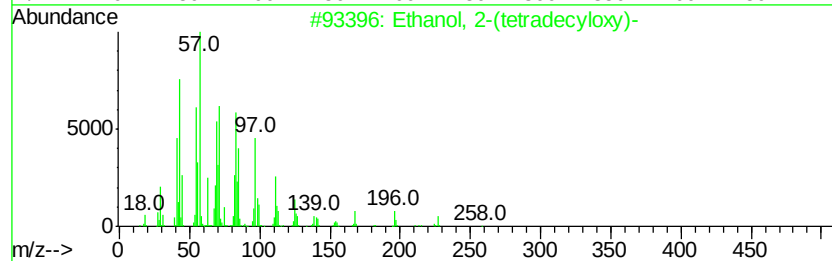
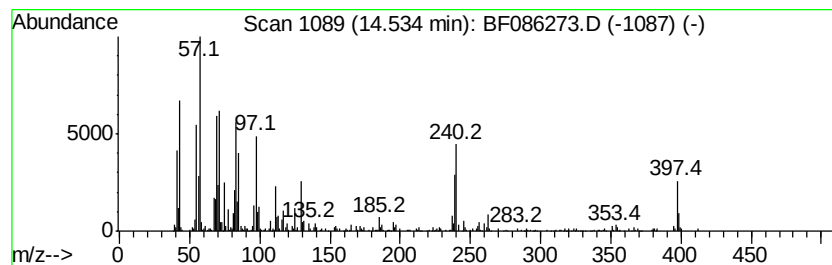
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ClientSampleId :
SP-2-E-5(0-2)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Ethanol, 2-(tetradecyloxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.		
14.53	2.56 ng	373181	Chrysene-d12		14.05		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	53
2			17-Pentatriacontene	491	C35H70	006971-40-0	49
3			Cyclohexane, (1-hexyltetradecyl)-	364	C26H52	004443-60-1	46
4			Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	46
5			Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
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Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
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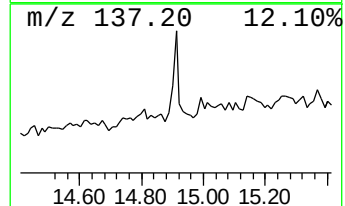
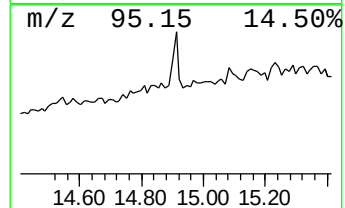
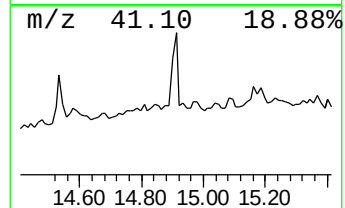
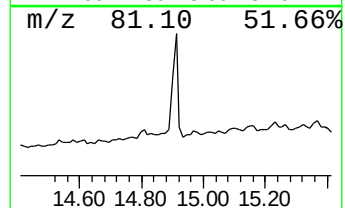
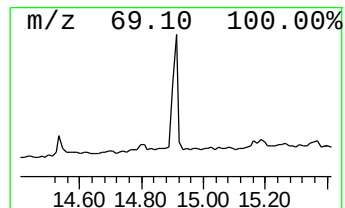
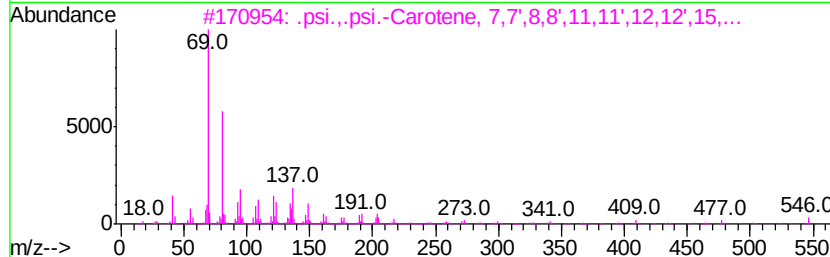
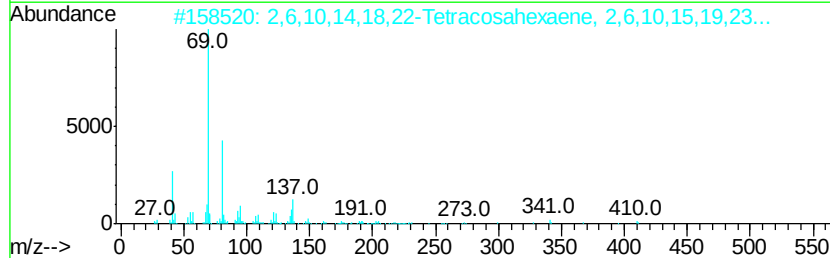
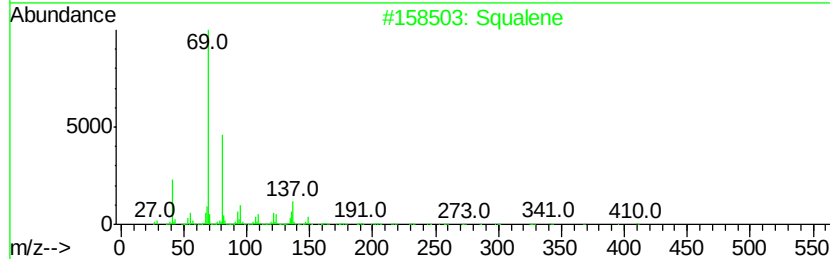
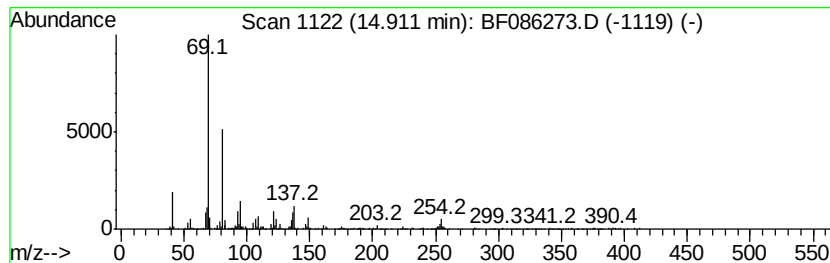
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	4.64 ng	321837	Perylene-d12	15.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Squalene		410 C30H50	007683-64-9 87
2	2,6,10,14,18,22-Tetracosahexaene...		410 C30H50	000111-02-4 80
3	.psi.,.psi.-Carotene, 7,7',8,8',...		547 C40H66	000502-62-5 72
4	7,11-Dimethyldodeca-2,6,10-trien...		208 C14H24O	125529-10-4 64
5	2,6-Octadiene, 2,6-dimethyl-		138 C10H18	002792-39-4 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
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Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
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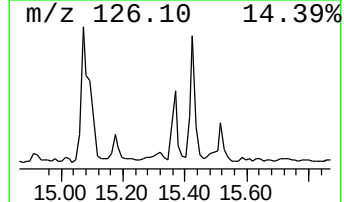
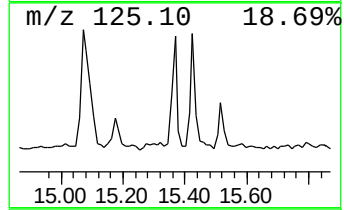
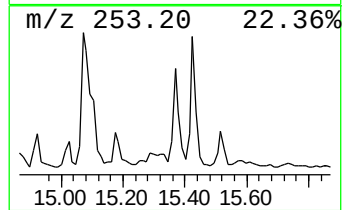
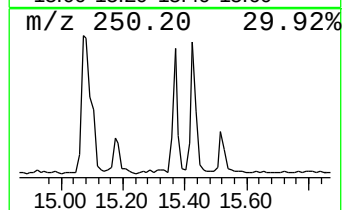
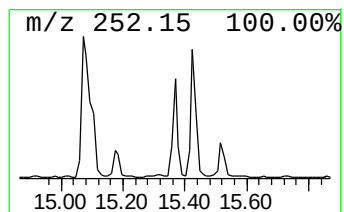
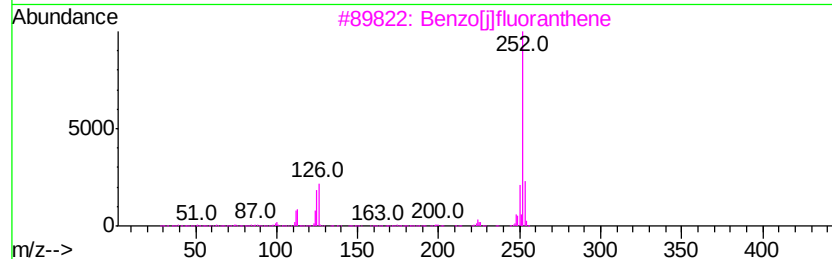
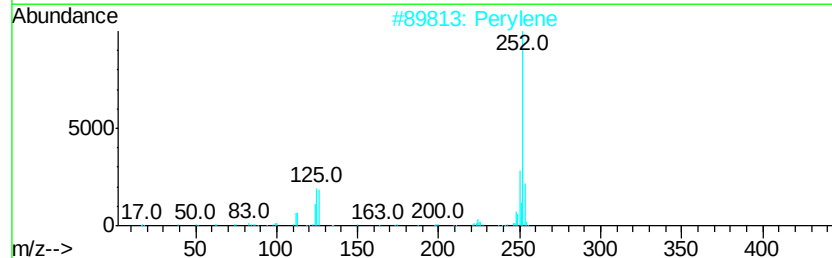
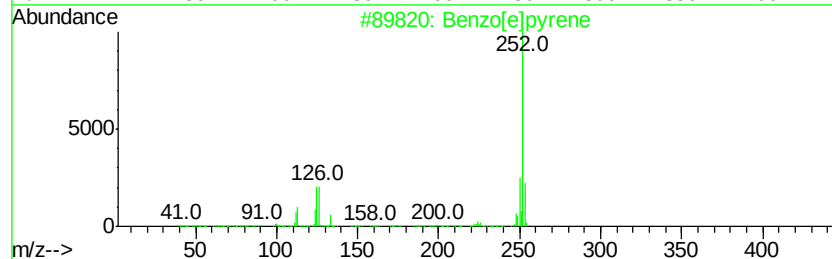
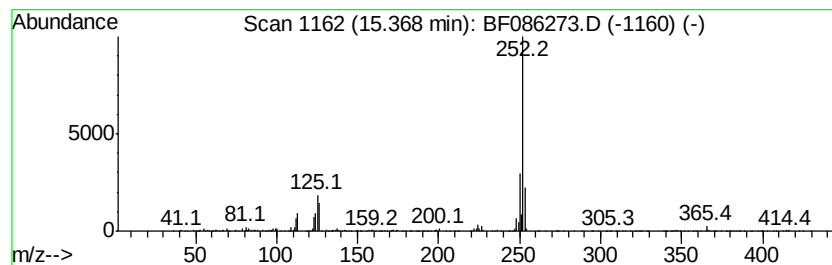
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.37	5.65 ng	392215	Perylene-d12		15.49
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[il]fluoranthene	252	C20H12	000205-82-3	91
4	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041516\
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Operator : UM/SJ
Sample : H2413-05
Misc :
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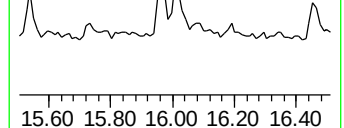
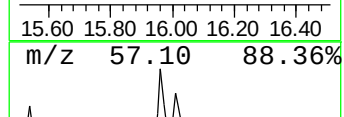
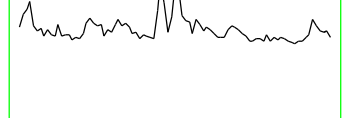
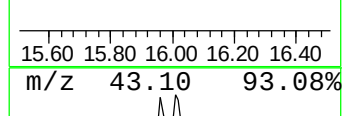
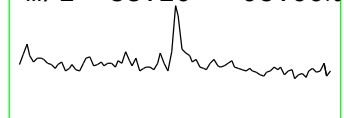
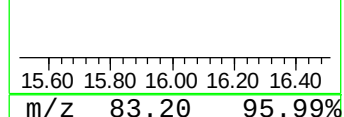
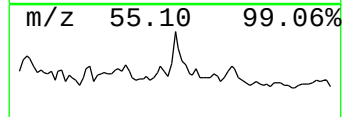
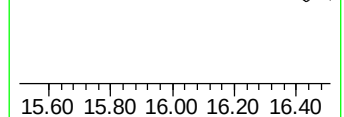
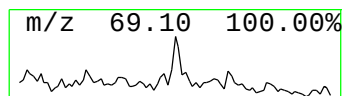
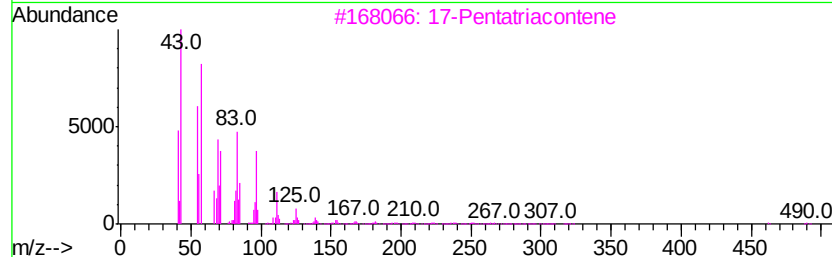
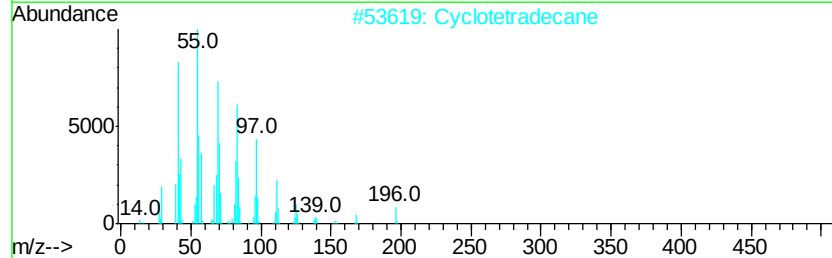
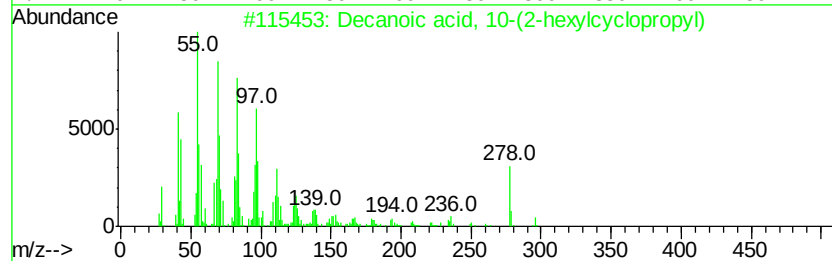
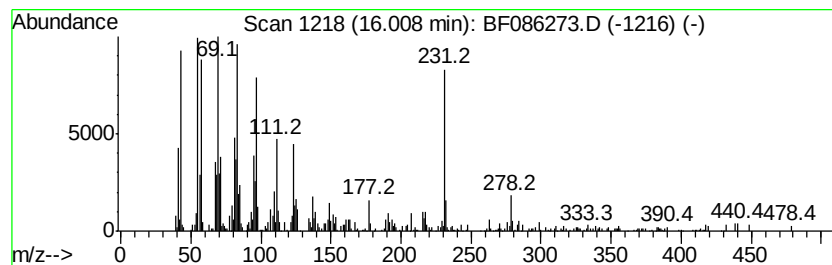
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Decanoic acid, 10-(2-hexylc... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.01	6.30 ng	436726	Perylene-d12	15.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanoic acid, 10-(2-hexylcvclop...	296	C19H36O2	1000197-99-5	60
2	Cyclotetradecane	196	C14H28	000295-17-0	49
3	17-Pentatriacontene	491	C35H70	006971-40-0	46
4	Cyclohexane, 1-(1,5-dimethylhexy...	280	C20H40	056009-20-2	46
5	1-Tetracosanol	354	C24H50O	000506-51-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
Data File : BF086273.D
Acq On : 16 Apr 2016 18:37
Operator : UM/SJ
Sample : H2413-05
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.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	5.9 ng		548097	1	6.90	1844200	20.0
unknown6.66	6.66	56.0 ng		5168330	1	6.90	1844200	20.0
Hexadecane	10.37	2.5 ng		251834	3	9.93	2034810	20.0
Tridecane	10.84	2.9 ng		288320	4	11.41	2004530	20.0
n-Hexadecanoic acid	11.95	4.0 ng		398607	4	11.41	2004530	20.0
4H-Cyclopenta[def...	12.03	2.8 ng		276576	4	11.41	2004530	20.0
1-Heneicosyl formate	13.91	7.2 ng		1042910	5	14.05	2915410	20.0
Ethanol, 2-(tetra...	14.53	2.6 ng		373181	5	14.05	2915410	20.0
Squalene	14.91	4.6 ng		321837	6	15.49	1387230	20.0
Benzo[e]pyrene	15.37	5.7 ng		392215	6	15.49	1387230	20.0
Decanoic acid, 10...	16.01	6.3 ng		436726	6	15.49	1387230	20.0