

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
 Data File : BF086725.D
 Acq On : 6 May 2016 00:38
 Operator : UM/SJ
 Sample : H2720-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24

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-BF050416.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.899	244	246	253	rBV	230196	408900	6.47%	0.881%
2	5.321	280	283	286	rBV	4413380	5171712	81.80%	11.141%
3	6.384	372	376	378	rBV	4163149	6322296	100.00%	13.620%
4	6.499	383	386	388	rBV	5238042	5294115	83.74%	11.405%
5	6.727	404	406	408	rBV	1306821	1174801	18.58%	2.531%
6	6.887	417	420	422	rBV	4306163	4372803	69.16%	9.420%
7	7.299	453	456	458	rBV	3548952	3662369	57.93%	7.889%
8	7.413	464	466	472	rVB	43095	76919	1.22%	0.166%
9	8.019	516	519	521	rBV	974637	1365546	21.60%	2.942%
10	9.093	610	613	616	rBV	5026181	4705729	74.43%	10.137%
11	9.493	645	648	650	rBV	462925	634010	10.03%	1.366%
12	9.710	665	667	669	rBV	114108	107947	1.71%	0.233%
13	9.768	669	672	674	rBV	1423379	1425022	22.54%	3.070%
14	10.202	709	710	712	rVB	148897	146207	2.31%	0.315%
15	10.419	726	729	733	rBV	48513	90799	1.44%	0.196%
16	10.556	738	741	743	rBV	2726060	3011600	47.63%	6.488%
17	10.682	750	752	756	rBV	127441	195835	3.10%	0.422%
18	11.128	789	791	792	rBV	71851	75628	1.20%	0.163%
19	11.242	799	801	804	rBV	1160725	1064654	16.84%	2.293%
20	11.779	847	848	854	rBV	117010	182989	2.89%	0.394%
21	12.831	937	940	942	rBV	3397073	3284938	51.96%	7.076%
22	13.734	1016	1019	1026	rBV	613082	867875	13.73%	1.870%
23	13.871	1029	1031	1034	rBV	880262	927225	14.67%	1.997%
24	14.362	1071	1074	1081	rBV2	80409	181124	2.86%	0.390%
25	14.648	1096	1099	1103	rBV3	33282	131825	2.09%	0.284%
26	14.957	1124	1126	1131	rBV2	36170	81856	1.29%	0.176%
27	15.265	1150	1153	1155	rBV	613317	794899	12.57%	1.712%
28	15.688	1188	1190	1192	rBV	60427	90772	1.44%	0.196%
29	15.745	1192	1195	1199	rVV	56339	122452	1.94%	0.264%
30	16.145	1227	1230	1237	rVB2	71289	174541	2.76%	0.376%
31	16.671	1273	1276	1281	rBV	58534	138349	2.19%	0.298%
32	17.288	1327	1330	1335	rVB	51189	135131	2.14%	0.291%

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-18D24

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-BF050416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

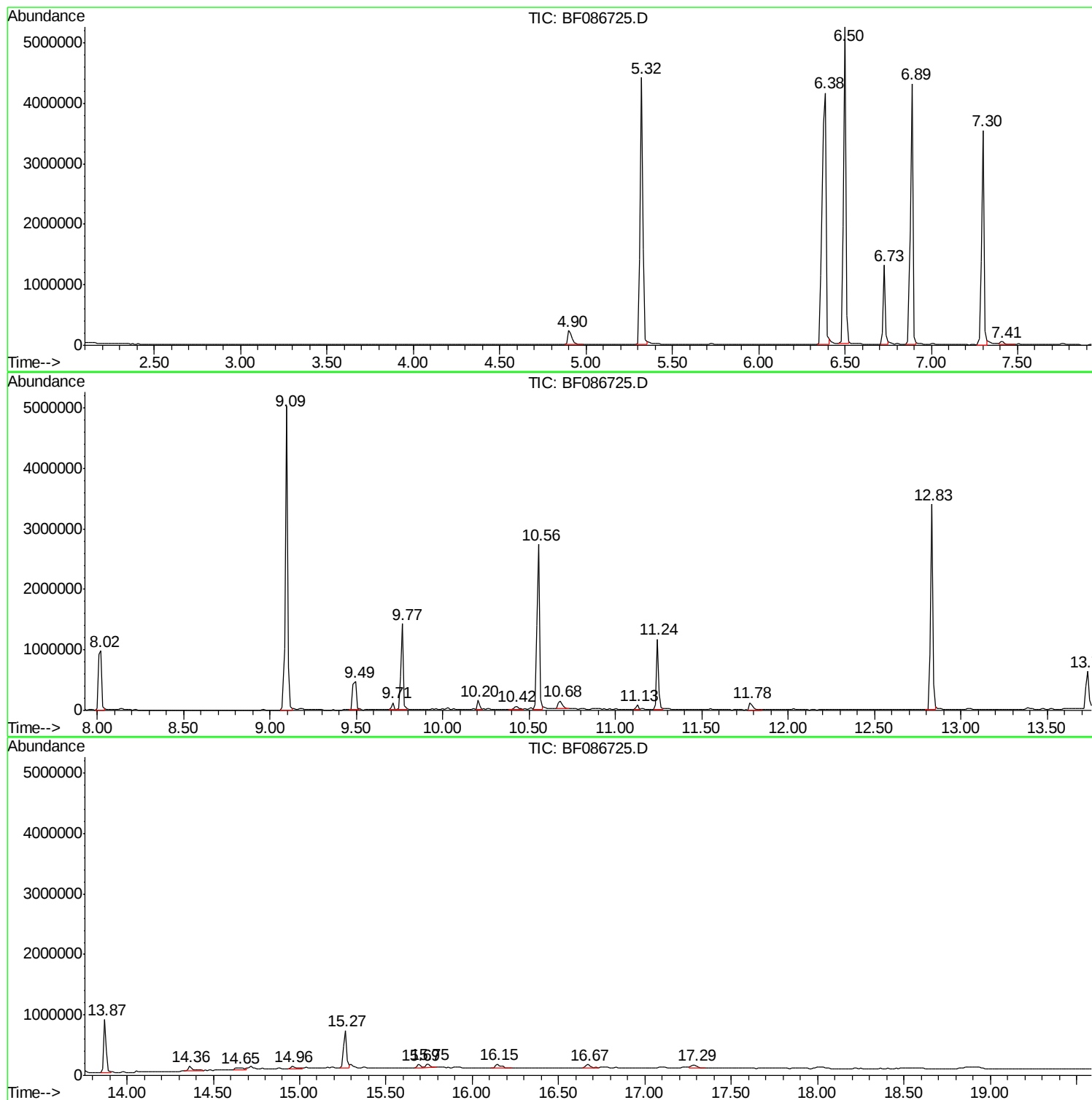
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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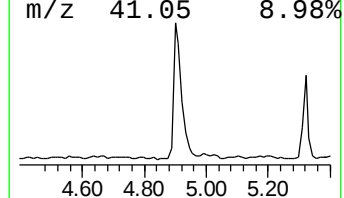
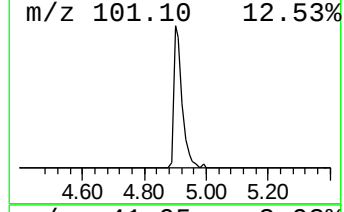
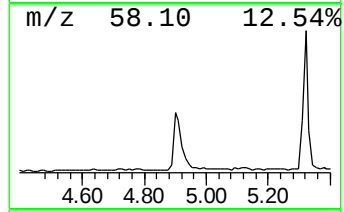
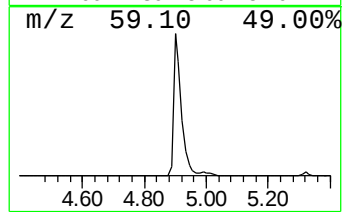
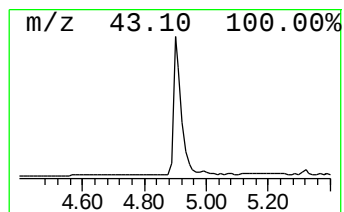
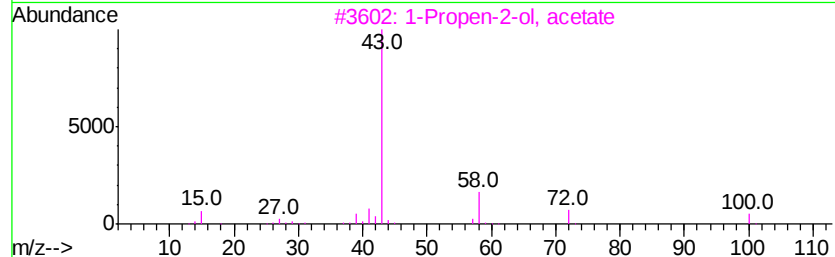
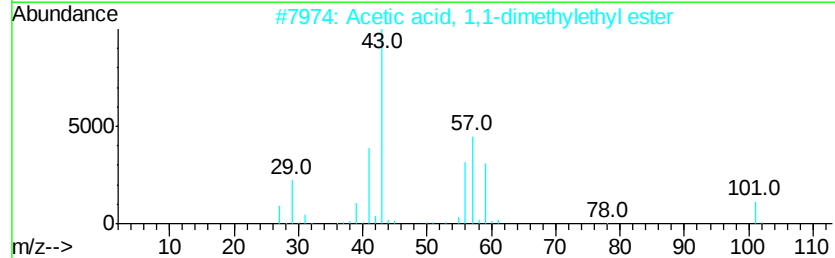
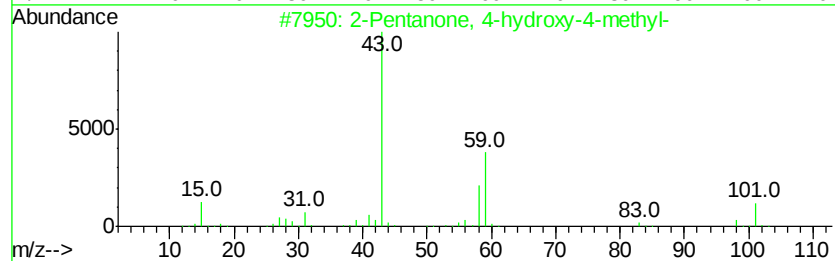
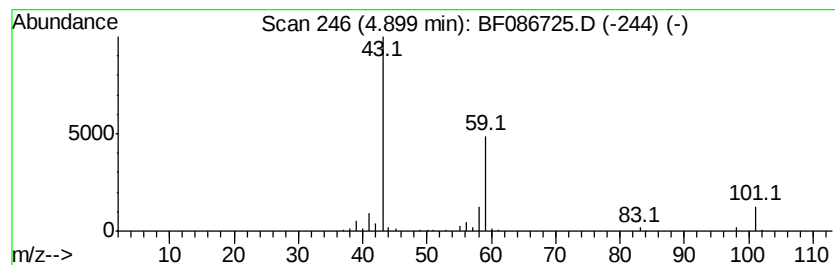
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	13.92 ng	408900	1,4-Dichlorobenzene-d4	6.73

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	28		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	Diacetamide	101	C4H7NO2	000625-77-4	9		
5	Butane	58	C4H10	000106-97-8	9		



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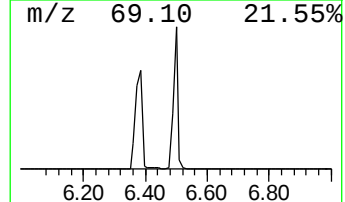
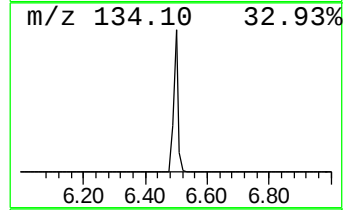
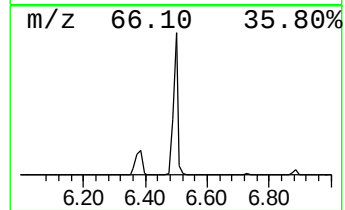
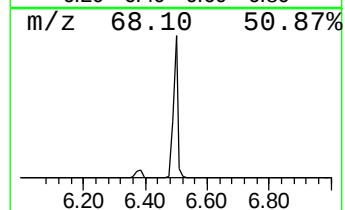
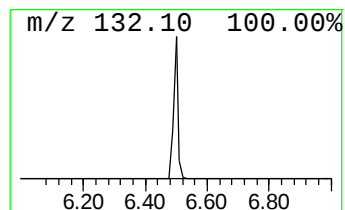
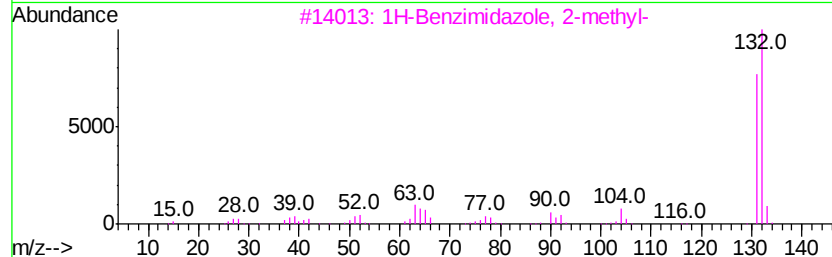
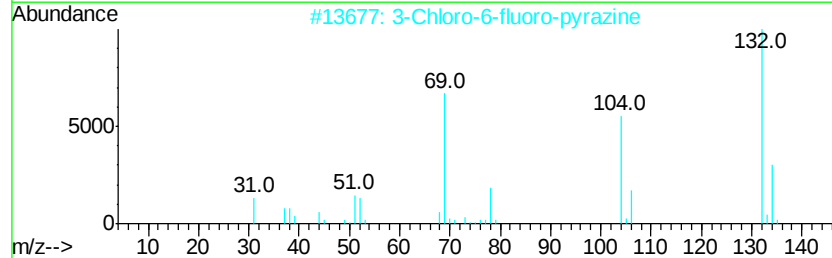
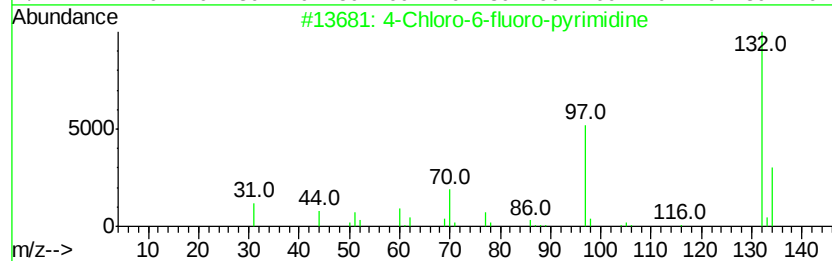
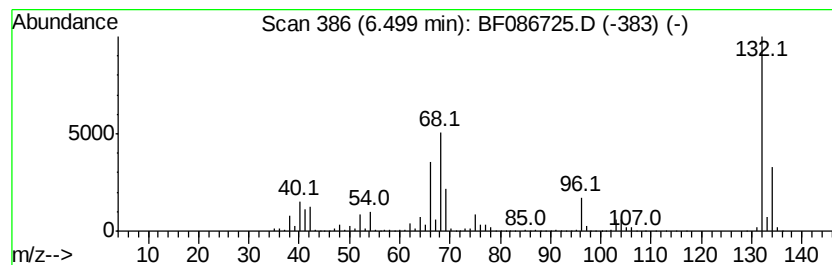
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 2 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	180.26 ng	5294120	1,4-Dichlorobenzene-d4	6.73

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		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16



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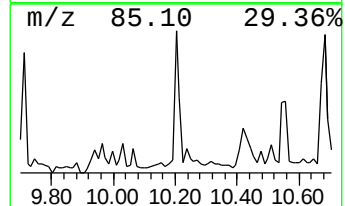
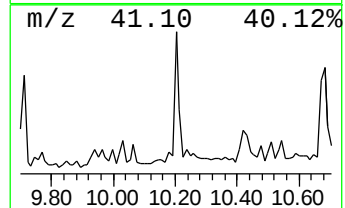
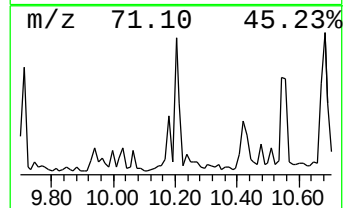
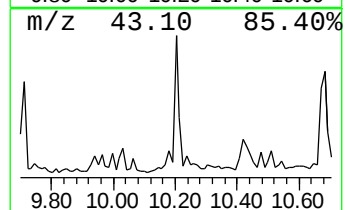
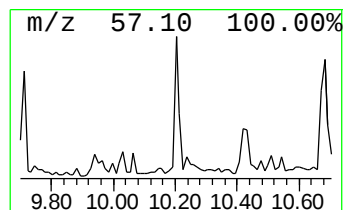
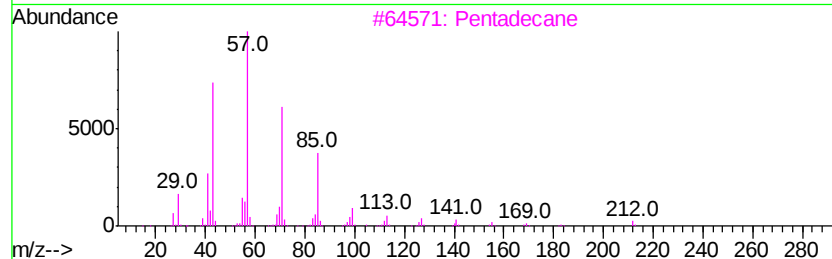
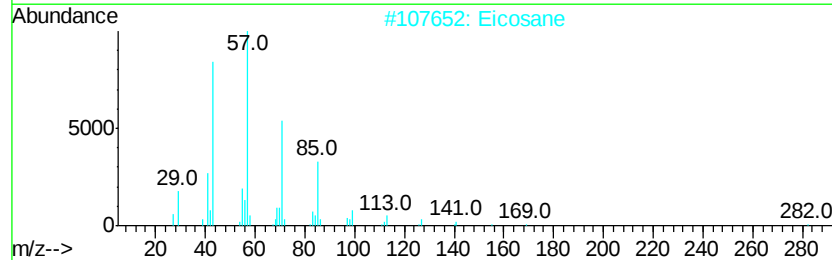
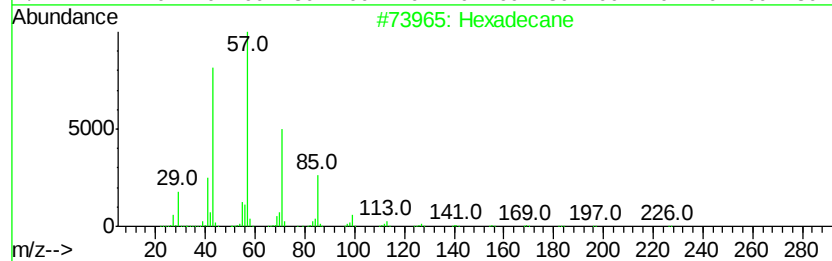
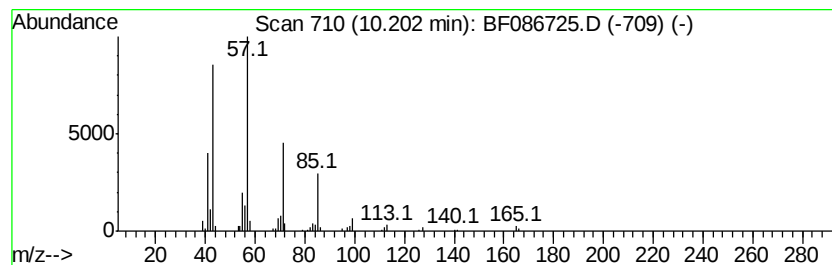
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	4.10 ng	146207	Acenaphthene-d10	9.77

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Eicosane		282	C20H42	000112-95-8	86
3	Pentadecane		212	C15H32	000629-62-9	78
4	Octadecane		254	C18H38	000593-45-3	72
5	Undecane, 2-methyl-		170	C12H26	007045-71-8	64



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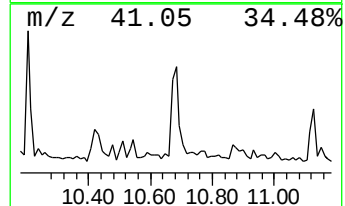
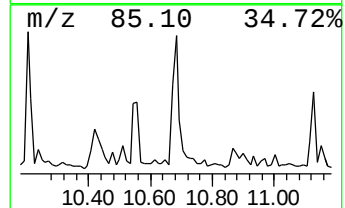
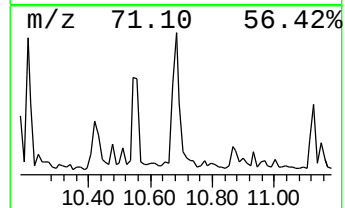
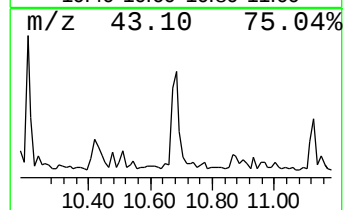
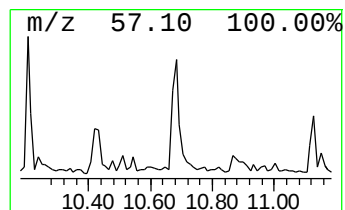
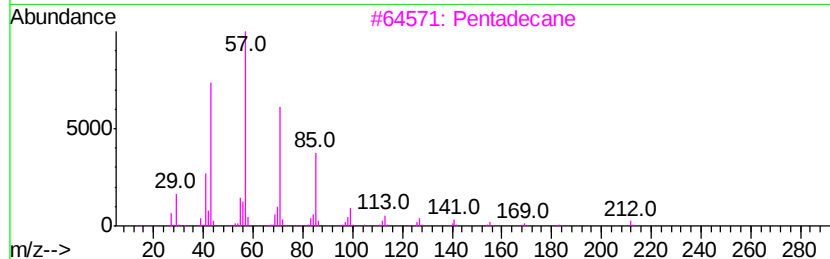
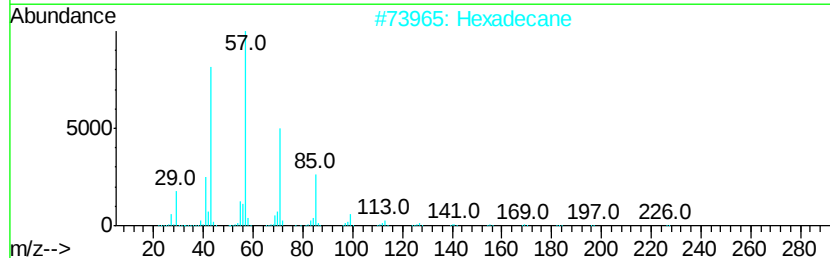
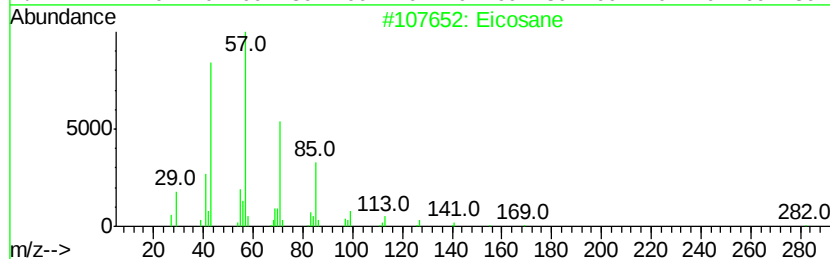
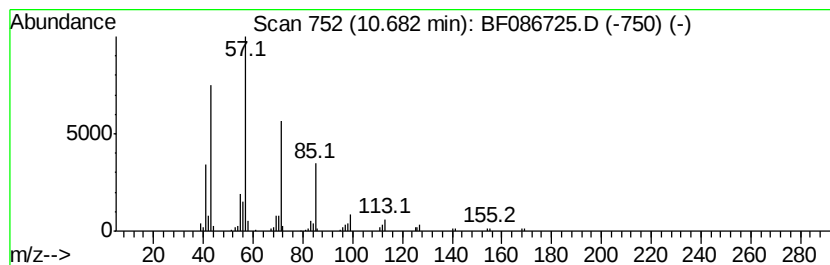
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	7.36 ng	195835	Phenanthrene-d10	11.24

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	91
2	Hexadecane		226	C16H34	000544-76-3	90
3	Pentadecane		212	C15H32	000629-62-9	90
4	Heptadecane		240	C17H36	000629-78-7	80
5	Tridecane		184	C13H28	000629-50-5	78



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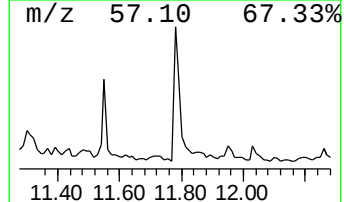
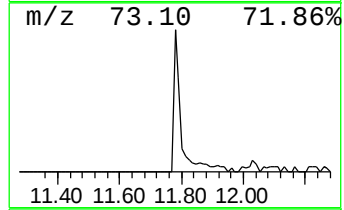
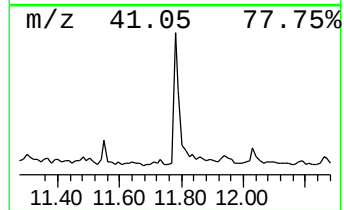
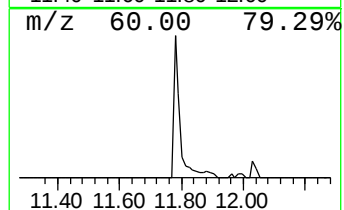
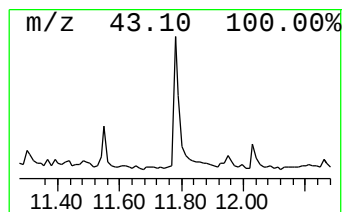
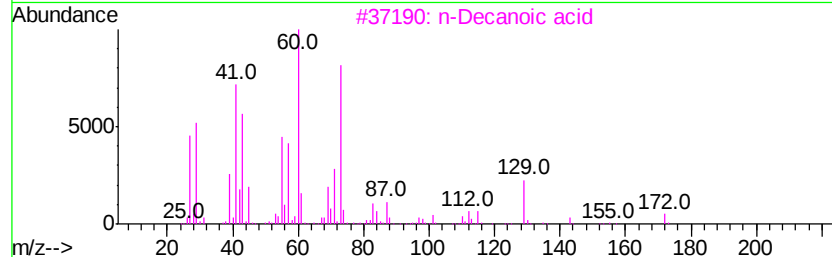
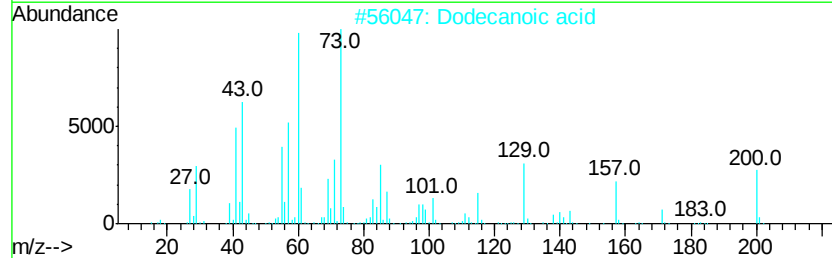
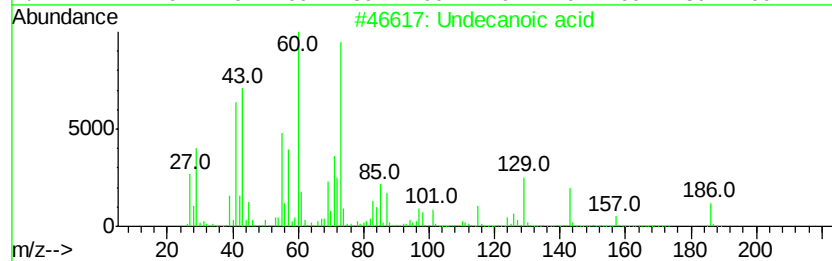
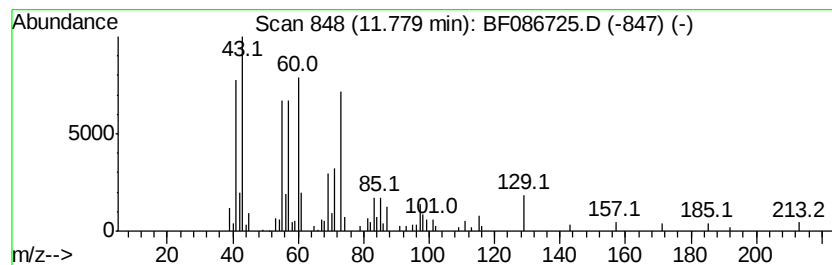
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Undecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	6.88 ng	182989	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanoic acid	186	C11H22O2	000112-37-8	80
2	Dodecanoic acid	200	C12H24O2	000143-07-7	59
3	n-Decanoic acid	172	C10H20O2	000334-48-5	53
4	Lactose	342	C12H22O11	000063-42-3	38
5	3-Hexadecyloxycarbonyl-5-(2-hydr...	409	C24H45N2O3	1000222-82-8	14



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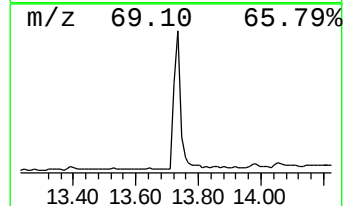
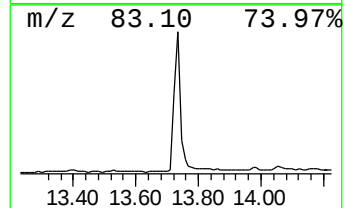
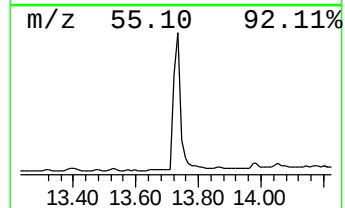
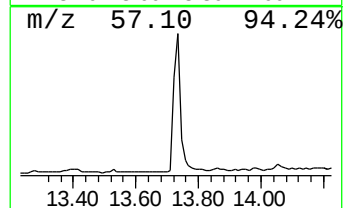
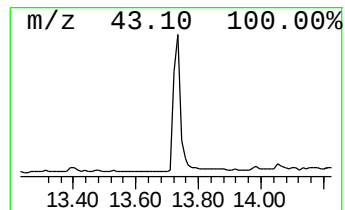
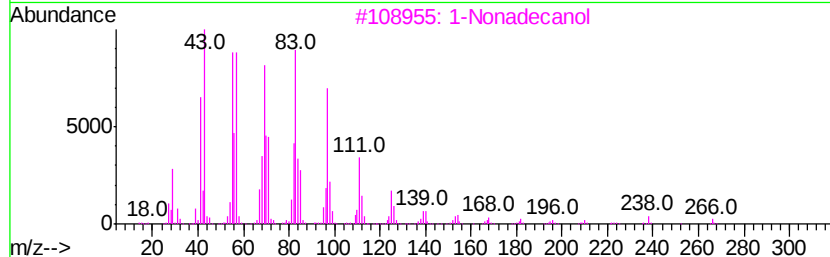
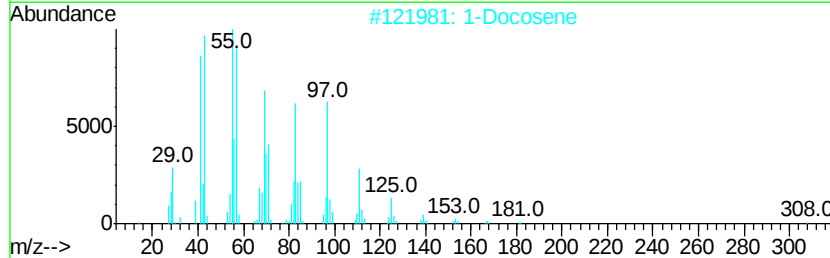
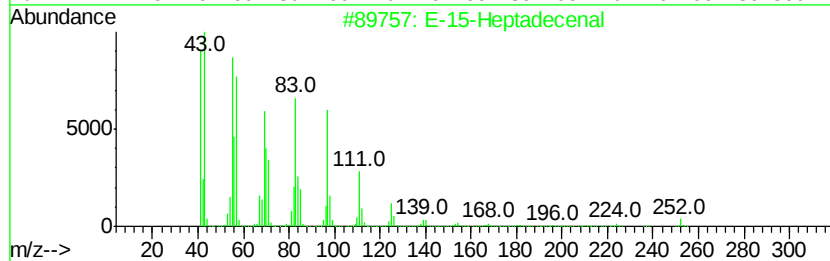
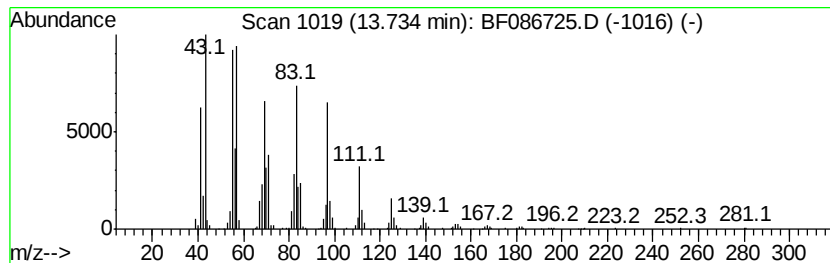
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 E-15-Heptadecenal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	37.44 ng	867875	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	96
2		1-Docosene	308	C22H44	001599-67-3	95
3		1-Nonadecanol	284	C19H40O	001454-84-8	94
4		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5		Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086725.D
Acq On : 6 May 2016 00:38
Operator : UM/SJ
Sample : H2720-21
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-18D24

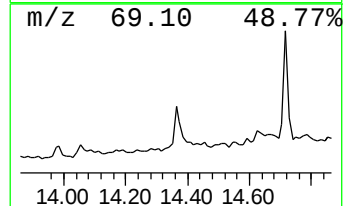
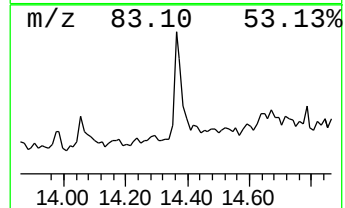
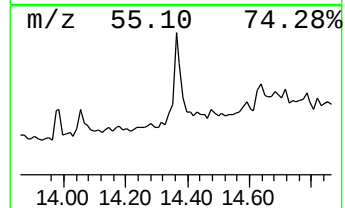
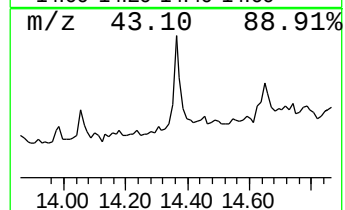
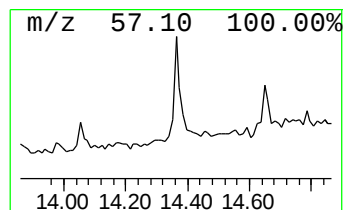
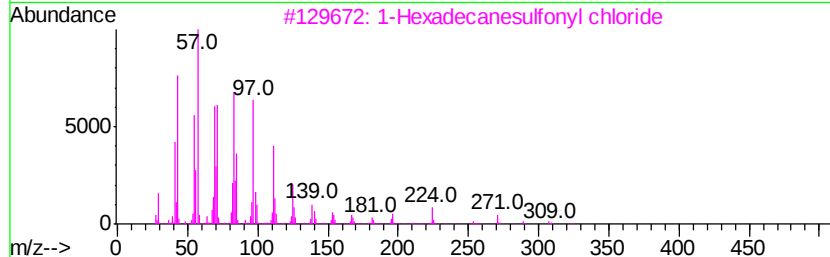
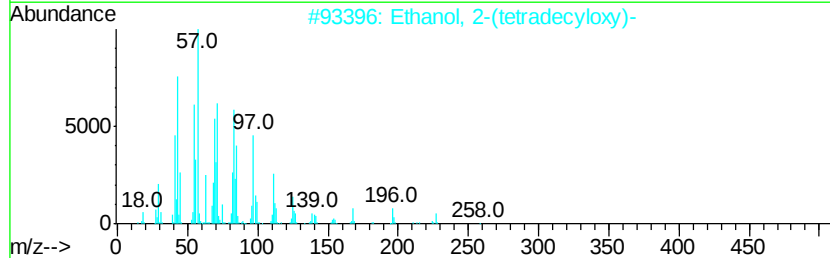
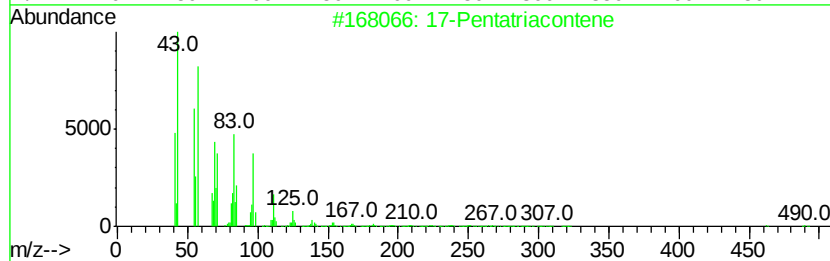
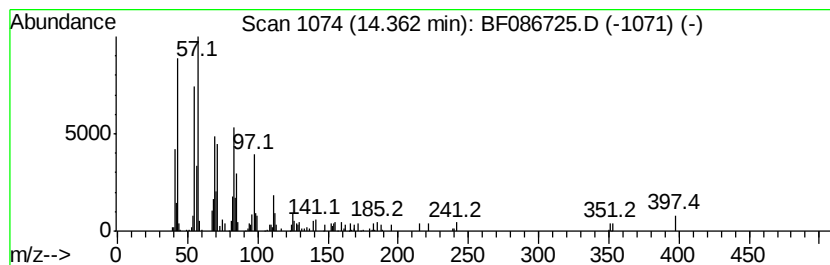
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 17-Pentatriacontene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	7.81 ng	181124	Chrysene-d12	13.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		17-Pentatriacontene	491	C35H70	006971-40-0	87
2		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
3		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83
4		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	74
5		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086725.D
Acq On : 6 May 2016 00:38
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Misc :
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ClientSampleId :
TP-18D24

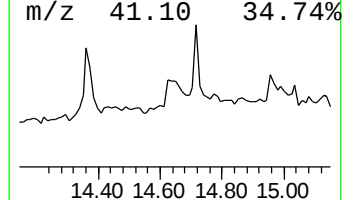
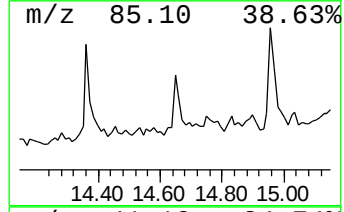
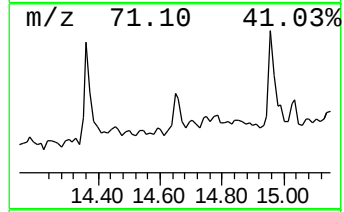
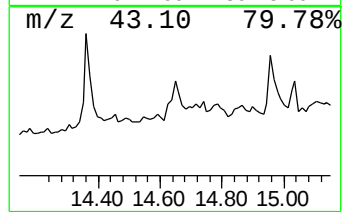
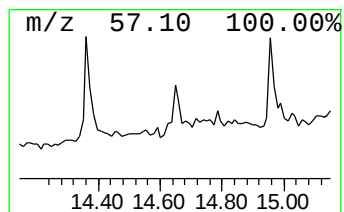
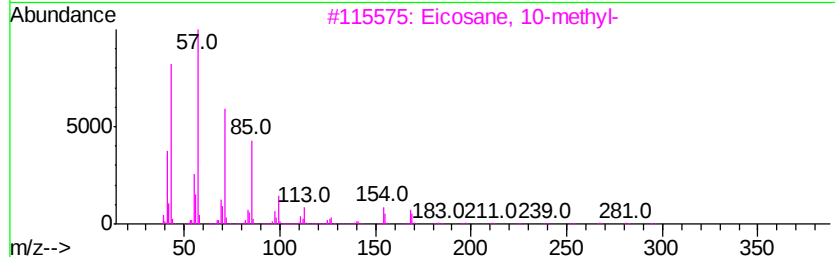
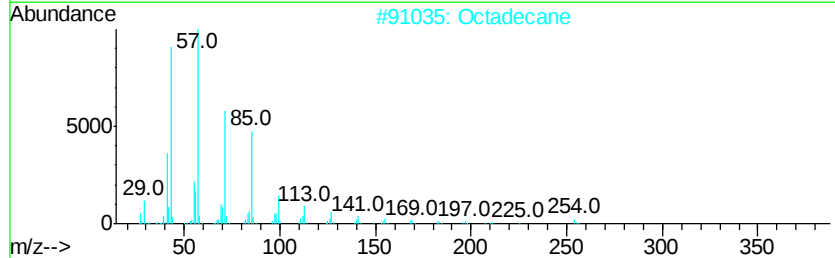
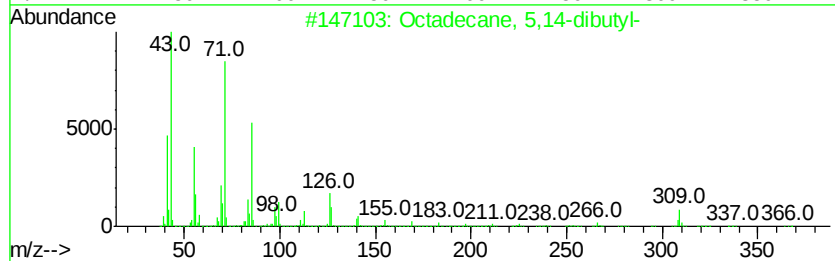
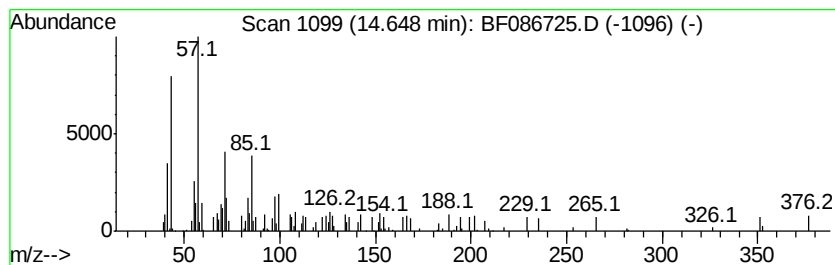
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecane, 5,14-dibutyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	6.63 ng	131825	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	53
2		Octadecane	254	C18H38	000593-45-3	49
3		Eicosane, 10-methyl-	296	C21H44	054833-23-7	49
4		Eicosane, 2-methyl-	296	C21H44	001560-84-5	49
5		Heptacosane	380	C27H56	000593-49-7	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086725.D
Acq On : 6 May 2016 00:38
Operator : UM/SJ
Sample : H2720-21
Misc :
ALS Vial : 10 Sample Multiplier: 1

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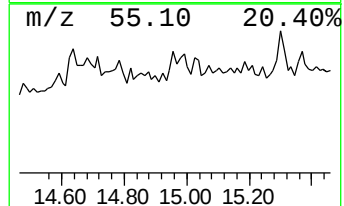
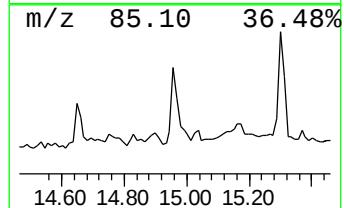
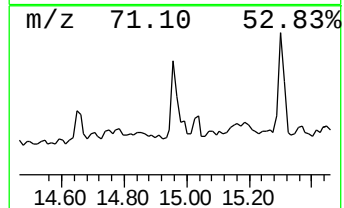
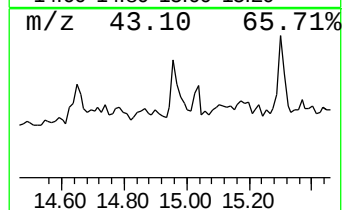
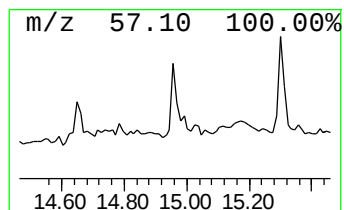
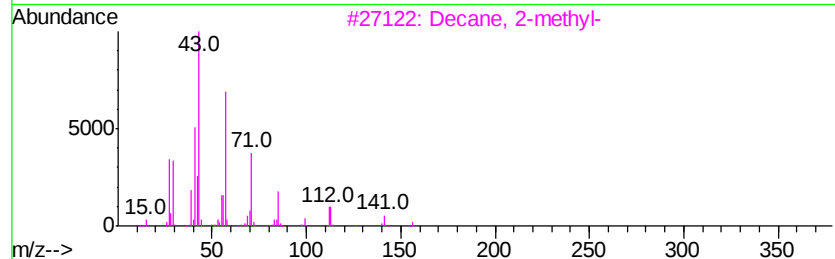
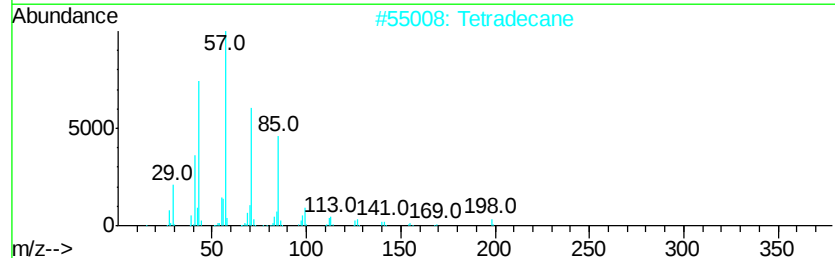
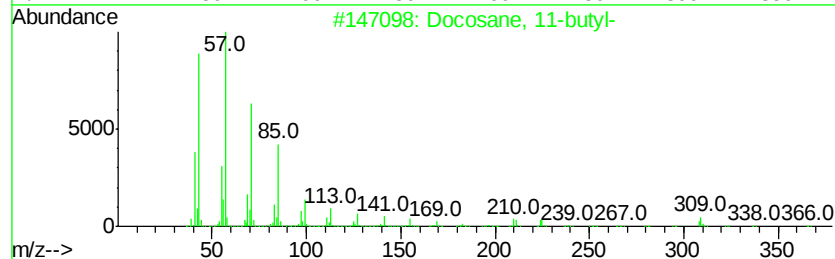
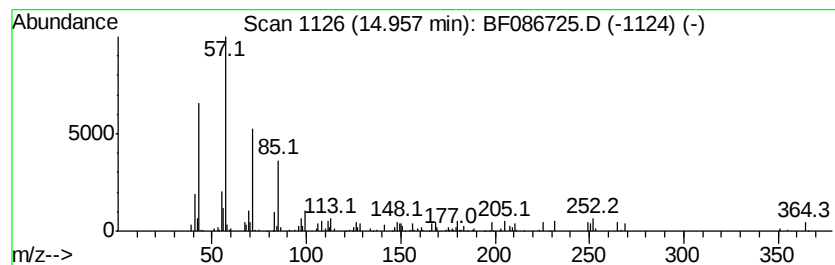
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Docosane, 11-butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	4.12 ng	81856	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane, 11-butyl-	366	C26H54	013475-76-8	58
2		Tetradecane	198	C14H30	000629-59-4	52
3		Decane, 2-methyl-	156	C11H24	006975-98-0	50
4		Docosane, 9-butyl-	366	C26H54	055282-14-9	49
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
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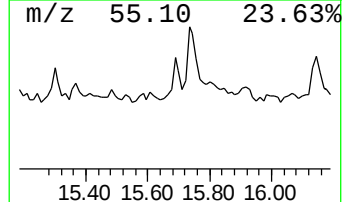
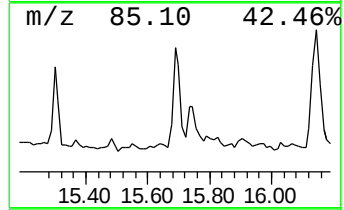
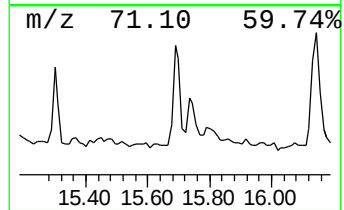
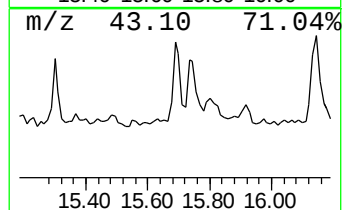
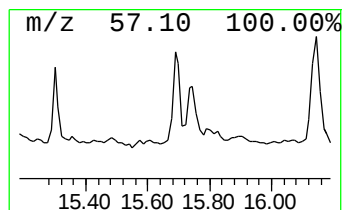
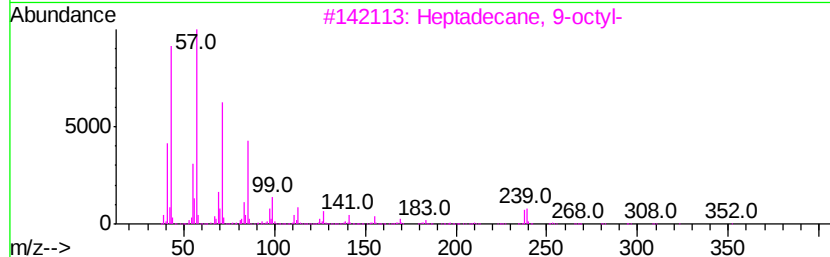
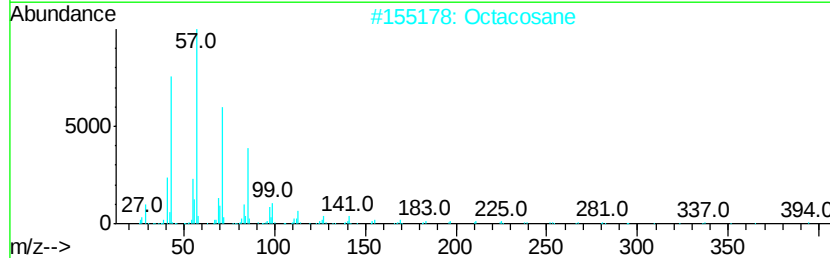
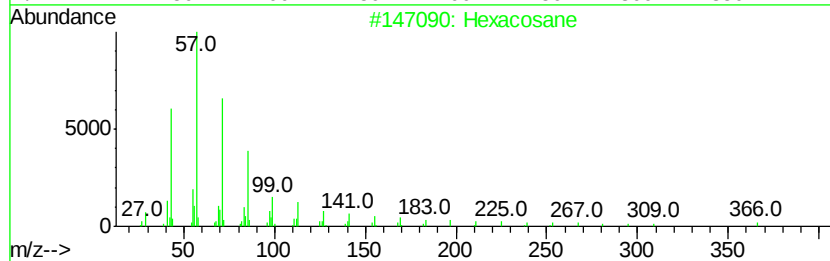
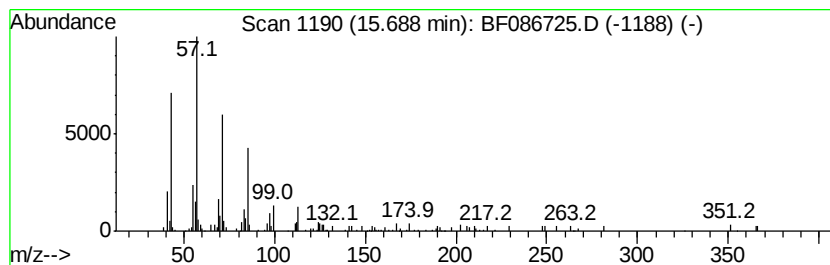
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	4.57 ng	90772	Perylene-d12	15.27
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexacosane	366 C26H54	000630-01-3	91
2	Octacosane	394 C28H58	000630-02-4	87
3	Heptadecane, 9-octyl-	352 C25H52	007225-64-1	86
4	Tridecane, 1-iodo-	310 C13H27I	035599-77-0	86
5	Pentadecane	212 C15H32	000629-62-9	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
Data File : BF086725.D
Acq On : 6 May 2016 00:38
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Sample : H2720-21
Misc :
ALS Vial : 10 Sample Multiplier: 1

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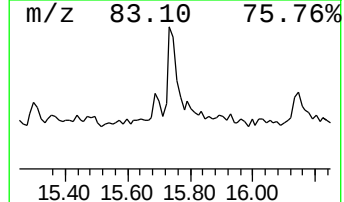
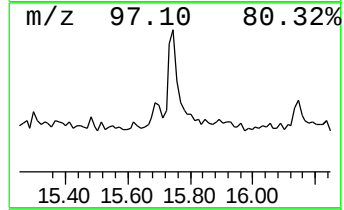
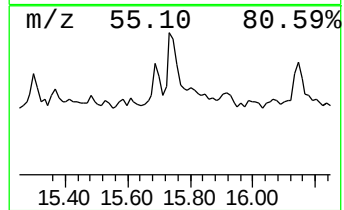
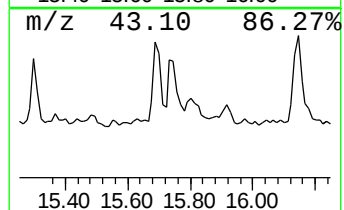
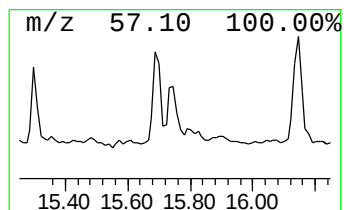
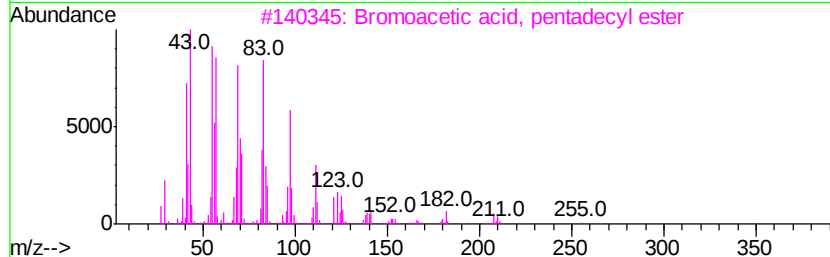
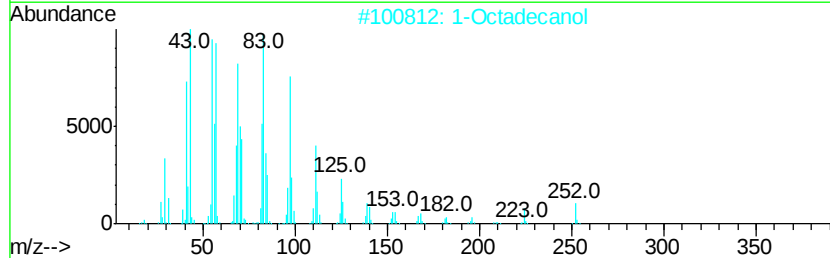
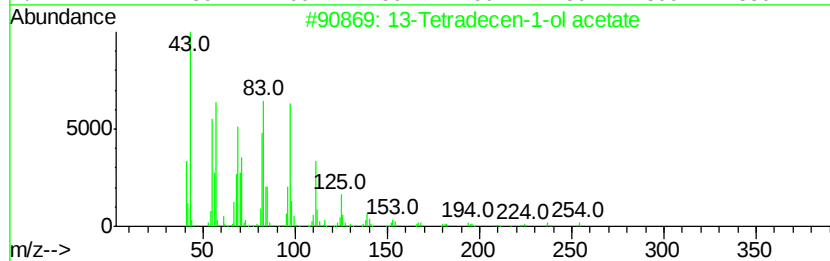
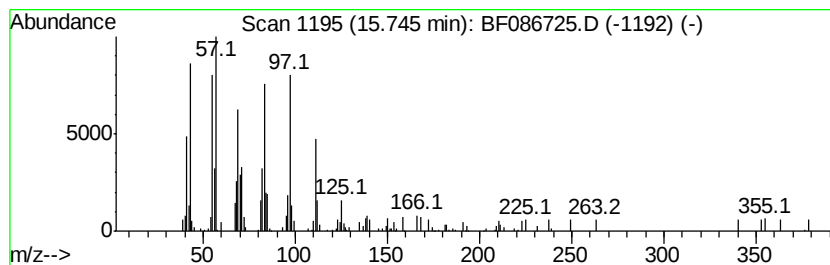
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 13-Tetradecen-1-ol acetate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	6.16 ng	122452	Perylene-d12	15.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	74
2			1-Octadecanol	270	C18H38O	000112-92-5	64
3			Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	64
4			Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	64
5			1-Heptadecanol	256	C17H36O	001454-85-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
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Acq On : 6 May 2016 00:38
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Misc :
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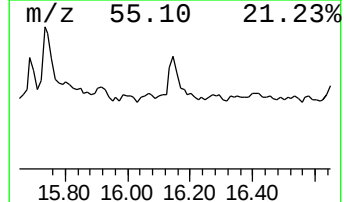
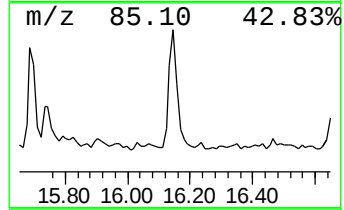
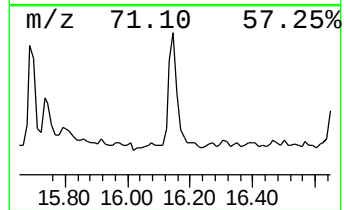
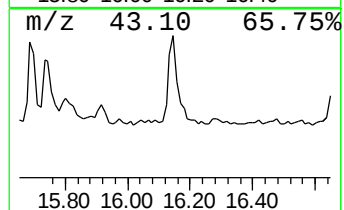
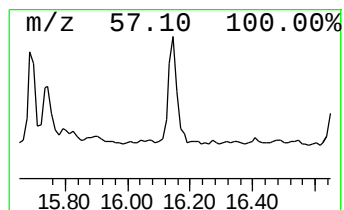
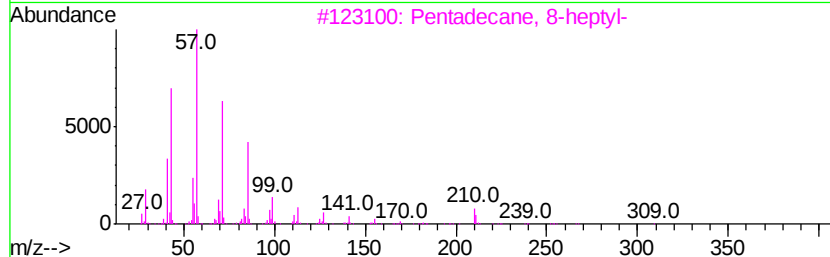
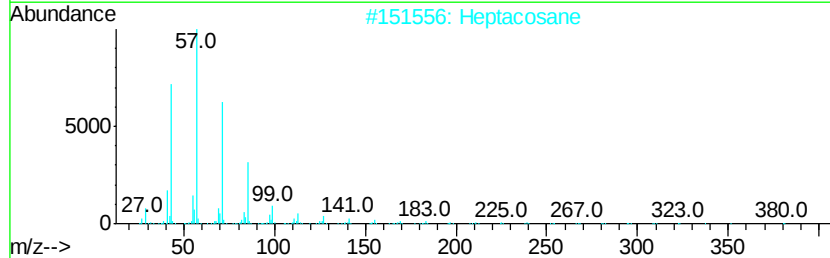
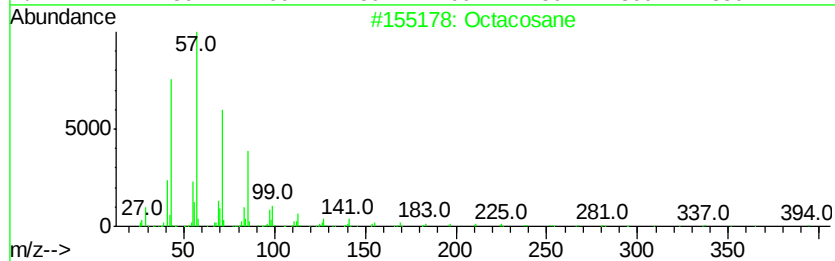
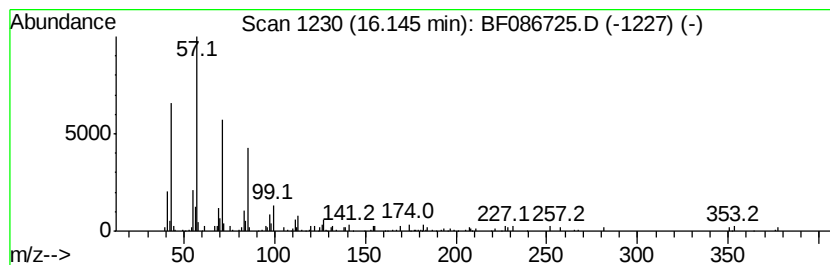
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	8.78 ng	174541	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	87
2		Heptacosane	380	C27H56	000593-49-7	83
3		Pentadecane, 8-heptvl-	310	C22H46	071005-15-7	83
4		Heneicosane	296	C21H44	000629-94-7	81
5		Eicosane	282	C20H42	000112-95-8	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086725.D
Acq On : 6 May 2016 00:38
Operator : UM/SJ
Sample : H2720-21
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-18D24

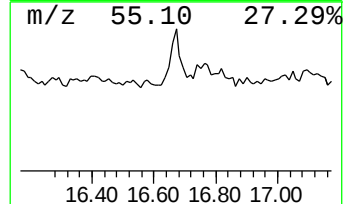
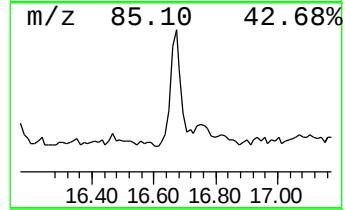
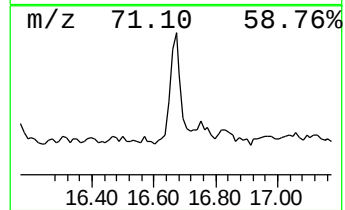
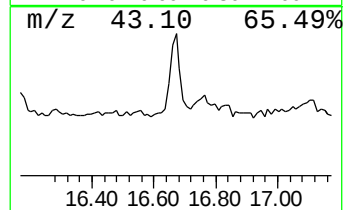
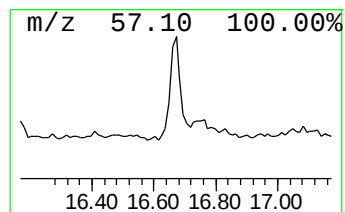
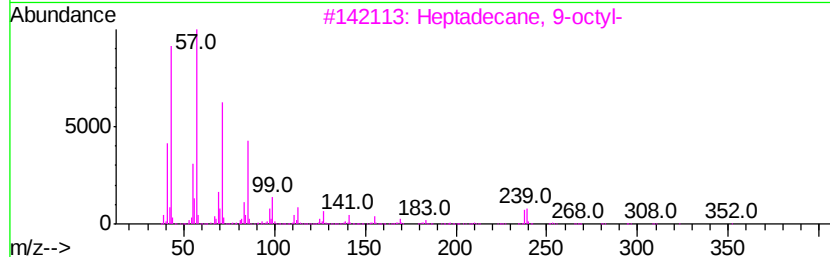
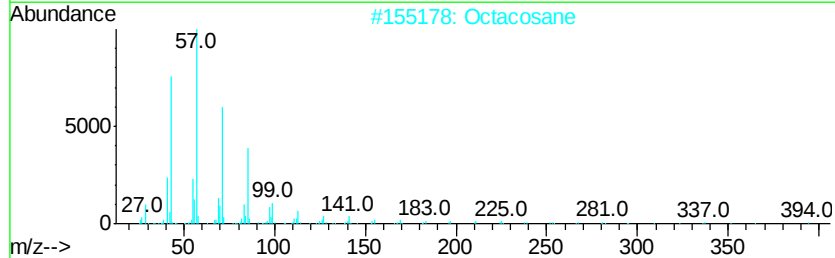
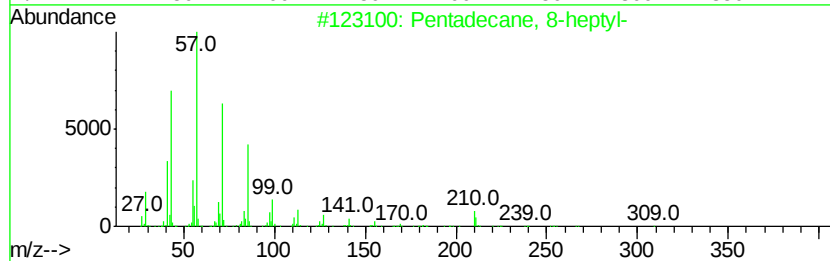
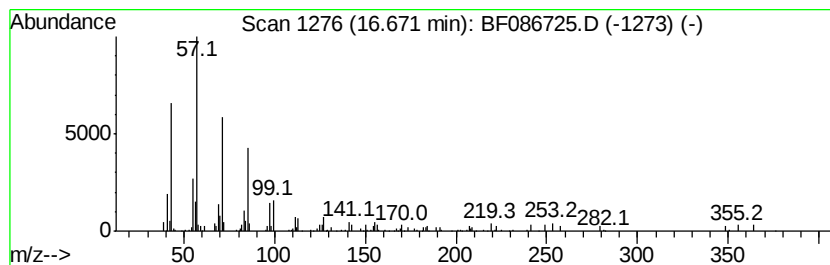
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pentadecane, 8-heptyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	6.96 ng	138349	Perylene-d12	15.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83
2		Octacosane	394	C28H58	000630-02-4	83
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	83
5		Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
Data File : BF086725.D
Acq On : 6 May 2016 00:38
Operator : UM/SJ
Sample : H2720-21
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-18D24

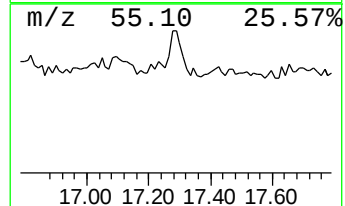
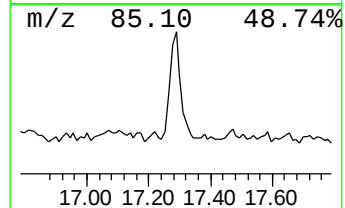
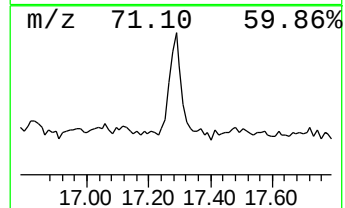
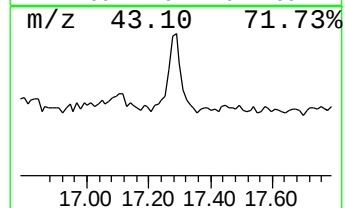
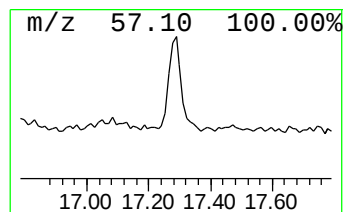
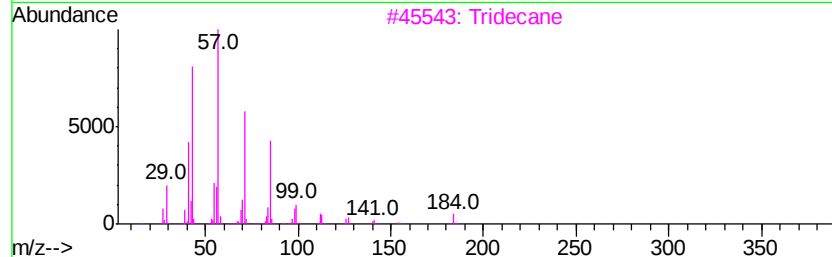
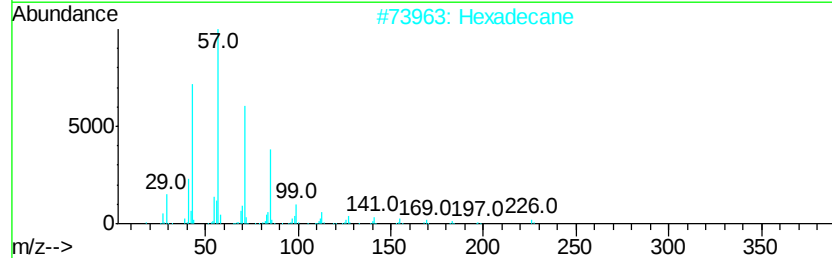
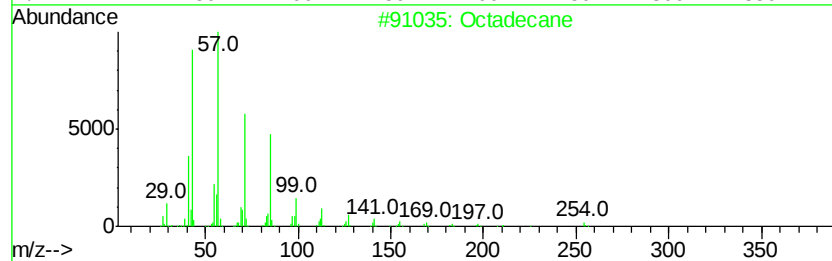
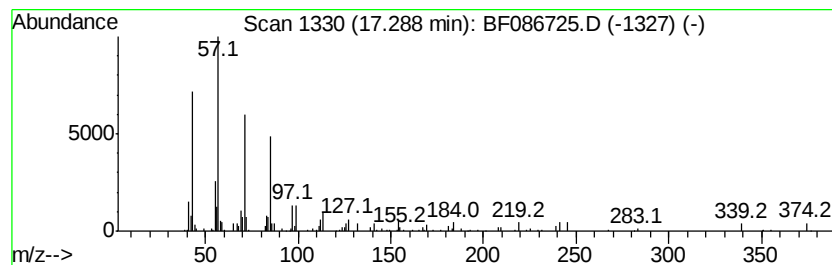
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	6.80 ng	135131	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	74
2	Hexadecane	226	C16H34	000544-76-3	72
3	Tridecane	184	C13H28	000629-50-5	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050516\
 Data File : BF086725.D
 Acq On : 6 May 2016 00:38
 Operator : UM/SJ
 Sample : H2720-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18D24

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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...	4.90	13.9	ng	408900	1	6.73	1174800	40.0
unknown6.50	6.50	180.3	ng	5294120	1	6.73	1174800	40.0
Hexadecane	10.20	4.1	ng	146207	3	9.77	1425020	40.0
Eicosane	10.68	7.4	ng	195835	4	11.24	1064650	40.0
Undecanoic acid	11.78	6.9	ng	182989	4	11.24	1064650	40.0
E-15-Heptadecenal	13.73	37.4	ng	867875	5	13.87	927225	40.0
17-Pentatriacontene	14.36	7.8	ng	181124	5	13.87	927225	40.0
Octadecane, 5,14-...	14.65	6.6	ng	131825	6	15.27	794899	40.0
Docosane, 11-butyl-	14.96	4.1	ng	81856	6	15.27	794899	40.0
Hexacosane	15.69	4.6	ng	90772	6	15.27	794899	40.0
13-Tetradecen-1-o...	15.75	6.2	ng	122452	6	15.27	794899	40.0
Octacosane	16.15	8.8	ng	174541	6	15.27	794899	40.0
Pentadecane, 8-he...	16.67	7.0	ng	138349	6	15.27	794899	40.0
Octadecane	17.29	6.8	ng	135131	6	15.27	794899	40.0