

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
 Data File : BF086848.D
 Acq On : 10 May 2016 4:16
 Operator : UM/SJ
 Sample : H2895-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP15-3-5FT

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-BF050916.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	4.864	240	243	257	rBV	243677	533312	10.35%	1.179%
2	5.287	278	280	283	rBV	3511756	4862512	94.37%	10.745%
3	5.687	314	315	323	rVB	31081	57783	1.12%	0.128%
4	6.350	370	373	376	rBV	4156432	5152415	100.00%	11.386%
5	6.464	381	383	385	rBV	5091817	4987866	96.81%	11.022%
6	6.693	400	403	405	rBV	818730	1084168	21.04%	2.396%
7	6.842	414	416	419	rBV	2861814	2848967	55.29%	6.296%
8	7.264	450	453	455	rBV	3076904	3338303	64.79%	7.377%
9	7.379	461	463	468	rVB2	41202	81584	1.58%	0.180%
10	7.973	513	515	520	rVB	1563003	1566110	30.40%	3.461%
11	8.179	531	533	535	rBV	57892	59698	1.16%	0.132%
12	8.419	551	554	557	rVB2	62595	110691	2.15%	0.245%
13	8.510	561	562	565	rBV2	37891	59716	1.16%	0.132%
14	8.785	584	586	589	rVB4	34564	59527	1.16%	0.132%
15	9.059	607	610	612	rBV	2687822	3543118	68.77%	7.830%
16	9.139	614	617	619	rBV	79203	120418	2.34%	0.266%
17	9.425	640	642	643	rBV2	97129	117888	2.29%	0.261%
18	9.459	643	645	646	rVB	415209	549565	10.67%	1.214%
19	9.585	654	656	659	rBV2	104462	168016	3.26%	0.371%
20	9.630	659	660	662	rVB	119284	104747	2.03%	0.231%
21	9.665	662	663	665	rBV	195482	173245	3.36%	0.383%
22	9.722	666	668	670	rVB	1535282	1501568	29.14%	3.318%
23	9.893	680	683	685	rBV3	54977	119551	2.32%	0.264%
24	9.985	689	691	693	rVV2	62967	72049	1.40%	0.159%
25	10.088	698	700	702	rBV3	52527	77467	1.50%	0.171%
26	10.122	702	703	705	rVV3	53439	75777	1.47%	0.167%
27	10.168	705	707	709	rVB	199145	212852	4.13%	0.470%
28	10.270	714	716	719	rVB4	46112	95063	1.85%	0.210%
29	10.385	724	726	729	rVB2	107768	176694	3.43%	0.390%
30	10.510	734	737	740	rBV2	2411667	3128723	60.72%	6.914%
31	10.568	740	742	743	rVV2	55477	84057	1.63%	0.186%
32	10.625	745	747	752	rVB2	311117	596224	11.57%	1.318%
33	10.842	764	766	767	rVB	57103	56485	1.10%	0.125%
34	11.082	785	787	788	rBV	158644	149793	2.91%	0.331%

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35	11.208	795	798	800	rBV	1125085	1535255	29.80%	3.393%
36	11.745	843	845	847	rBV2	267604	301513	5.85%	0.666%
37	12.122	876	878	881	rBV2	139996	244608	4.75%	0.541%
38	12.408	901	903	905	rBV	349531	345007	6.70%	0.762%
39	12.636	921	923	924	rVB	301466	248893	4.83%	0.550%
40	12.785	934	936	939	rVB	2593761	2461175	47.77%	5.439%
41	13.699	1013	1016	1024	rVB2	188547	451907	8.77%	0.999%
42	13.825	1025	1027	1033	rVB2	873748	1261425	24.48%	2.787%
43	14.305	1067	1069	1071	rBV	113961	153526	2.98%	0.339%
44	14.831	1112	1115	1119	rBV	145563	297136	5.77%	0.657%
45	14.899	1119	1121	1124	rVB2	152176	160075	3.11%	0.354%
46	15.094	1136	1138	1141	rVB	106289	124840	2.42%	0.276%
47	15.151	1141	1143	1145	rVV	174209	224277	4.35%	0.496%
48	15.208	1145	1148	1154	rVB	776557	1081509	20.99%	2.390%
49	16.180	1231	1233	1236	rVB	55630	82491	1.60%	0.182%
50	16.488	1257	1260	1263	rVB2	76153	142785	2.77%	0.316%
51	16.877	1291	1294	1297	rBV	56707	113376	2.20%	0.251%
52	17.471	1343	1346	1351	rVB5	34620	97651	1.90%	0.216%

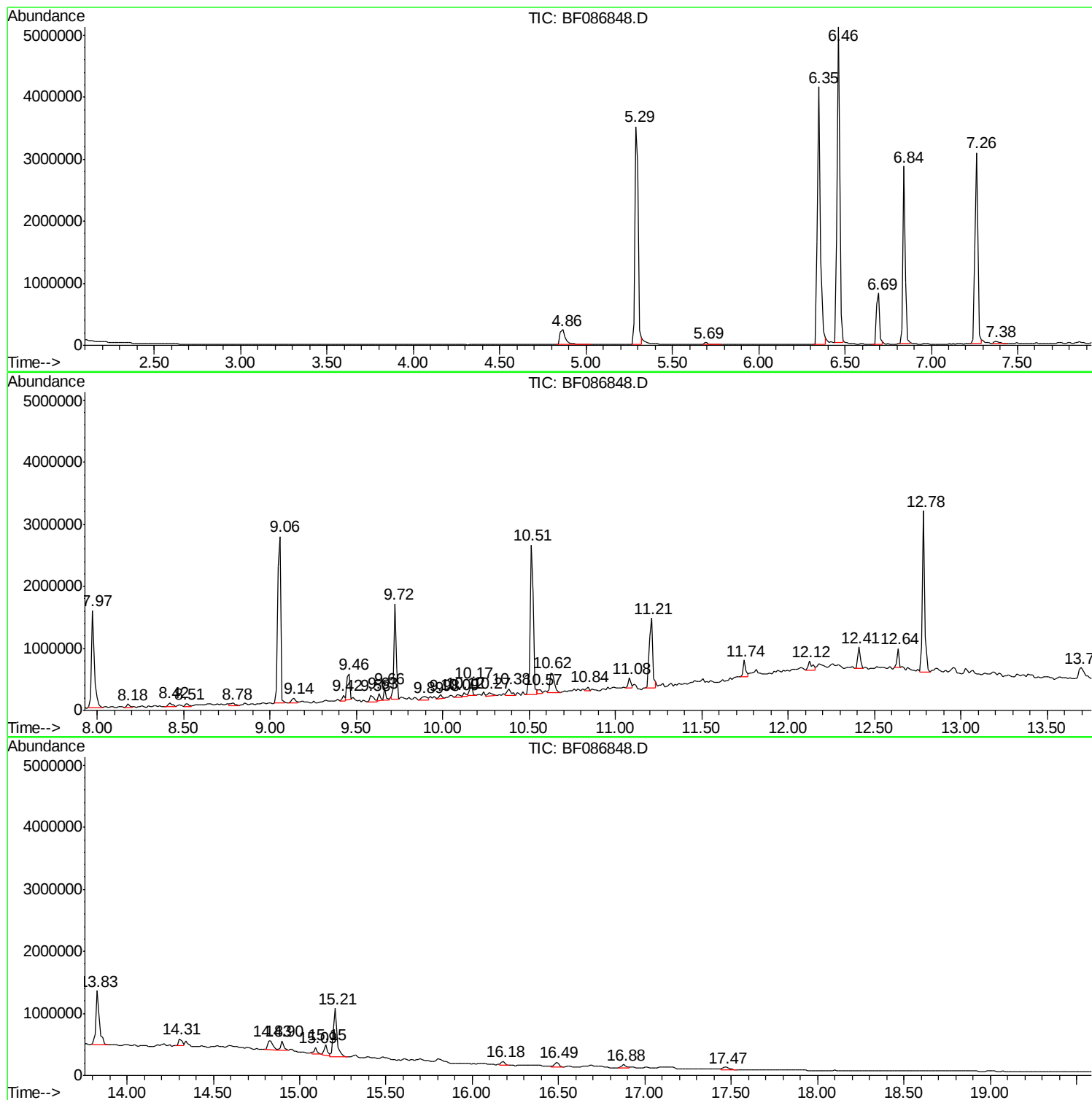
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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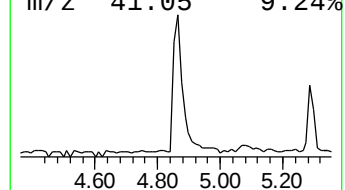
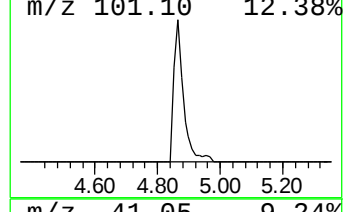
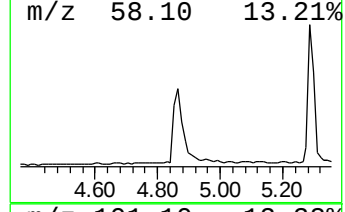
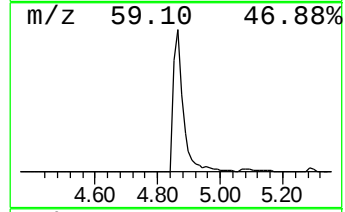
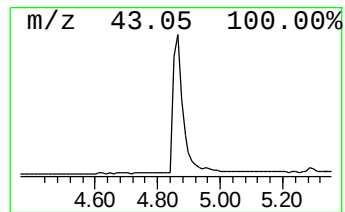
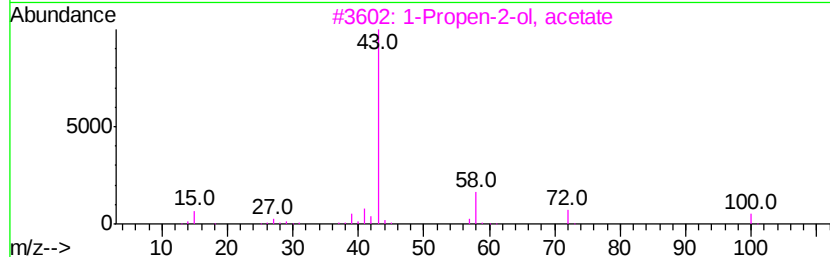
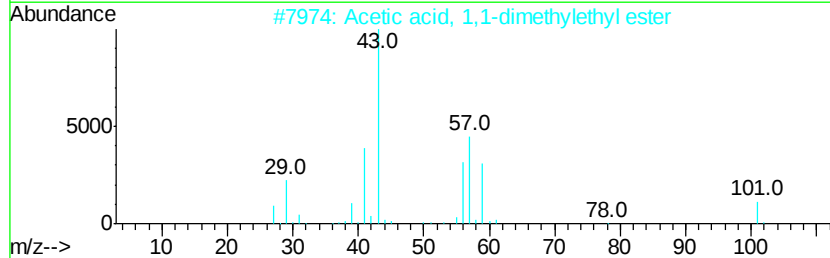
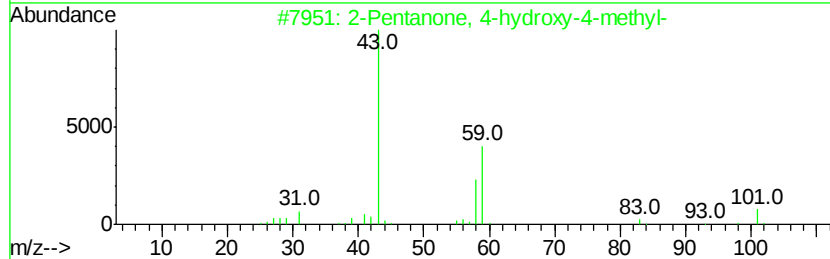
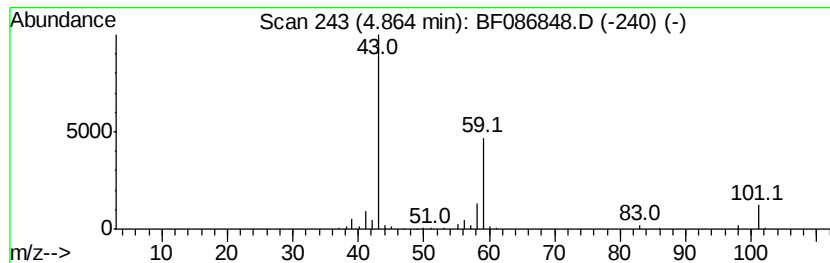
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	9.84 ng	533312	1,4-Dichlorobenzene-d4	6.69

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	23
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			Diacetamide	101	C4H7NO2	000625-77-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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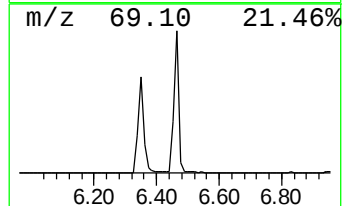
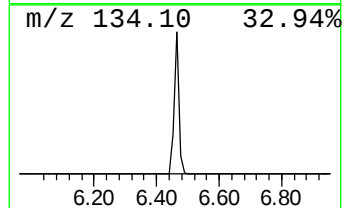
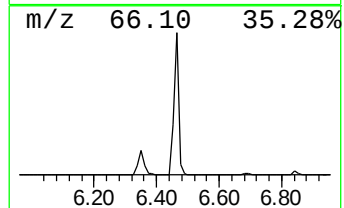
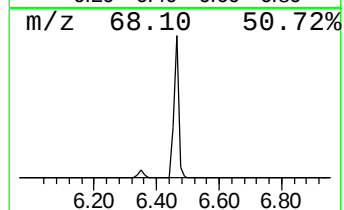
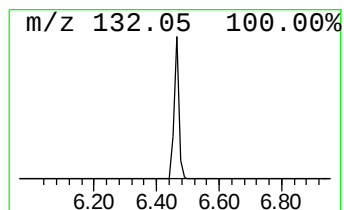
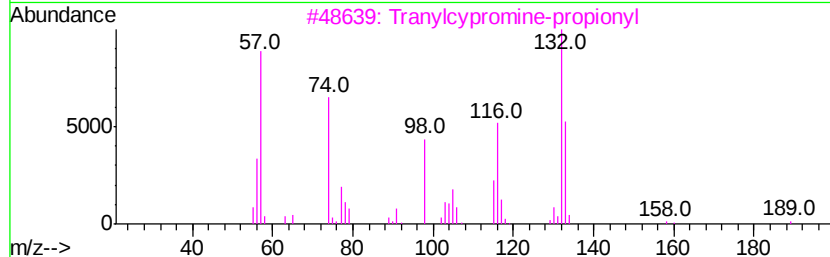
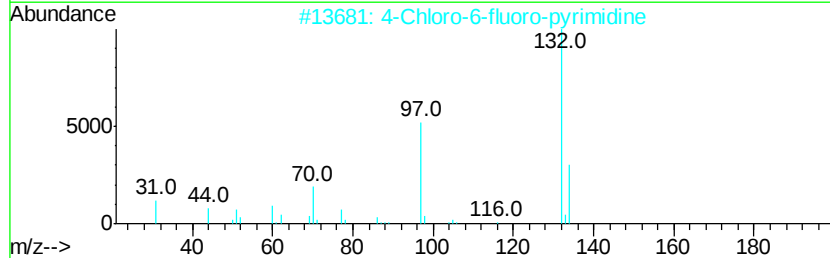
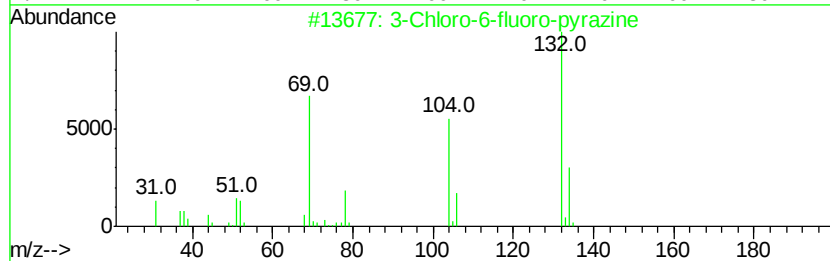
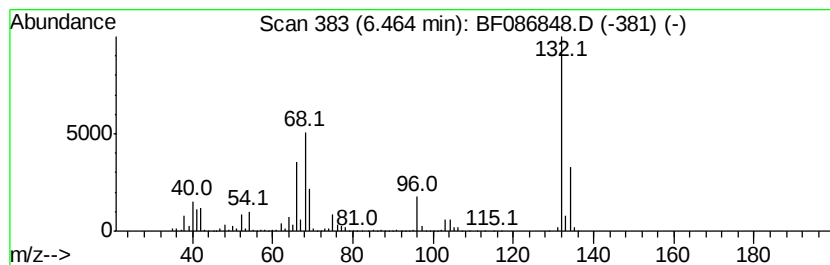
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	92.01 ng	4987870	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		Tranvlcypromine-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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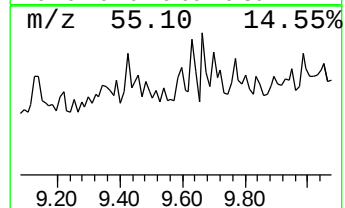
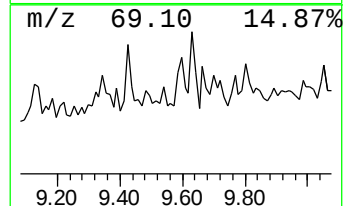
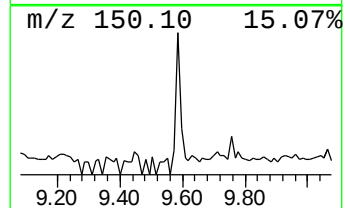
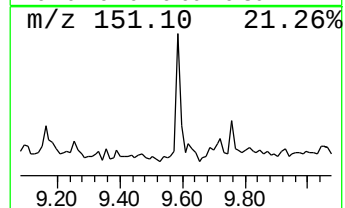
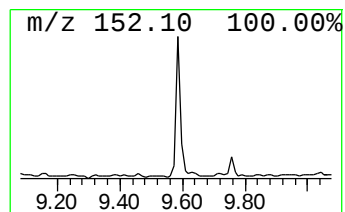
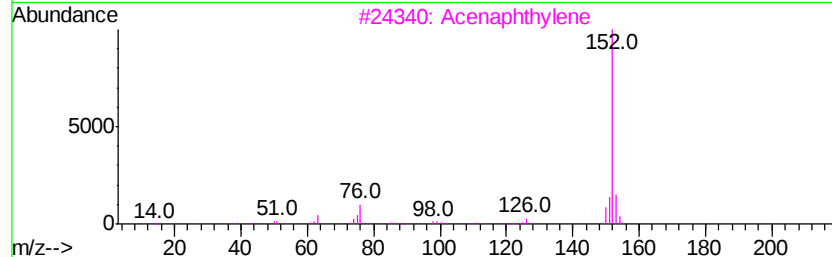
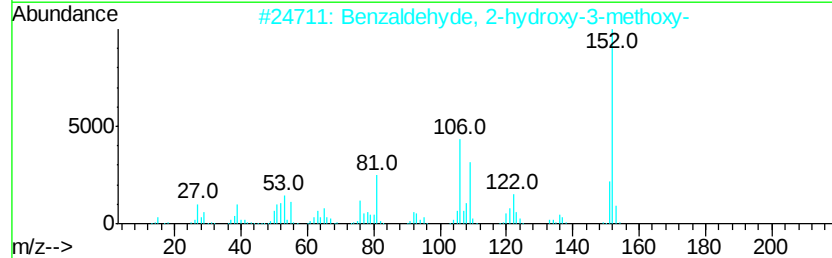
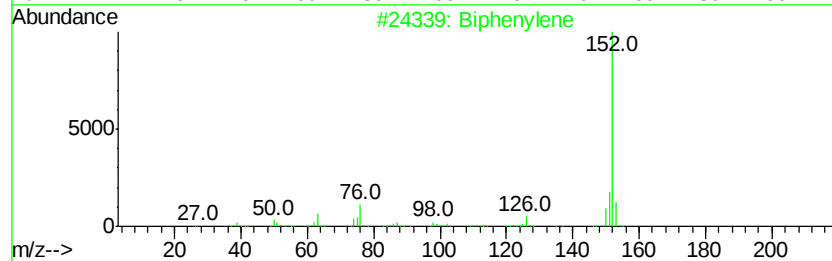
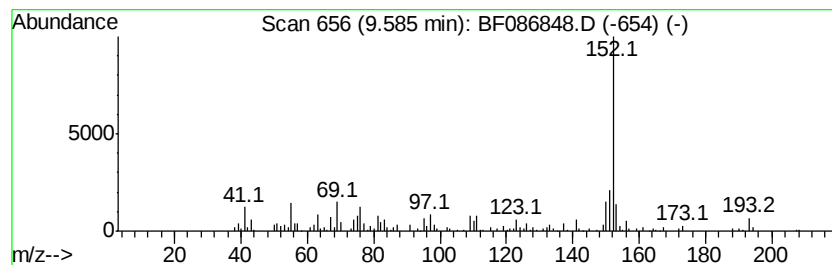
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Biphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	2.24 ng	168016	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Biphenylene	152	C12H8	000259-79-0	87
2		Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	72
3		Acenaphthylene	152	C12H8	000208-96-8	72
4		(6BALPHA,7BETA,11ALPHA,11AALPHA)...	334	C25H18O	1000241-69-8	64
5		1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	59



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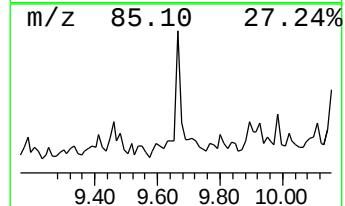
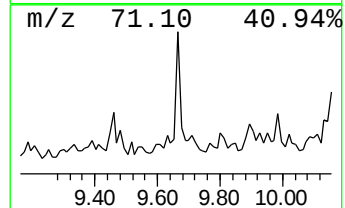
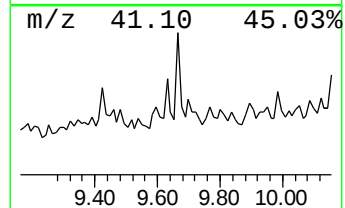
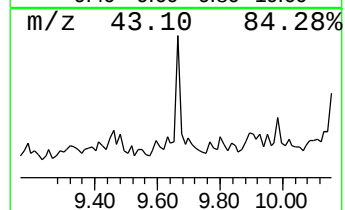
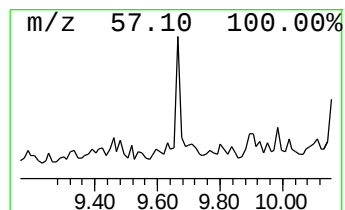
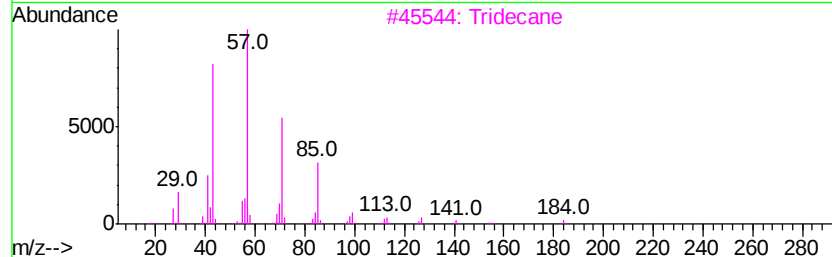
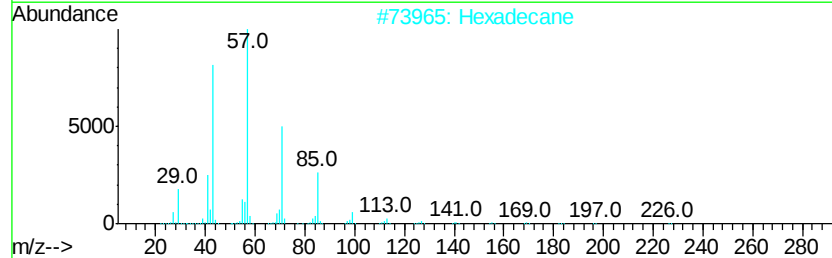
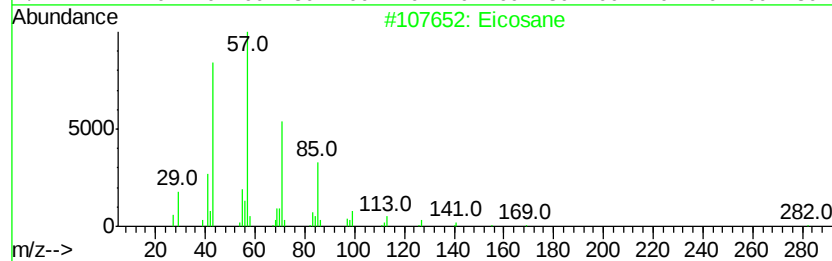
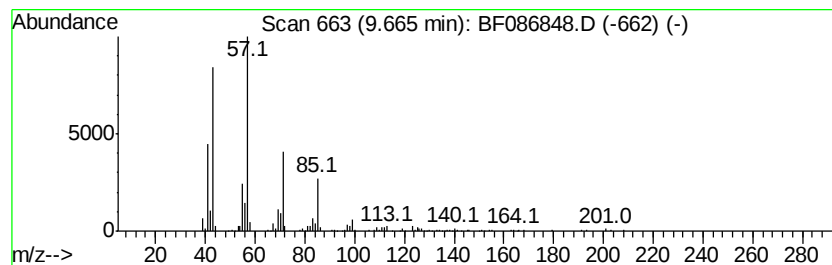
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	2.31 ng	173245	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	90
2		Hexadecane	226	C16H34	000544-76-3	90
3		Tridecane	184	C13H28	000629-50-5	80
4		Tridecane, 7-propyl-	226	C16H34	055045-09-5	72
5		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72



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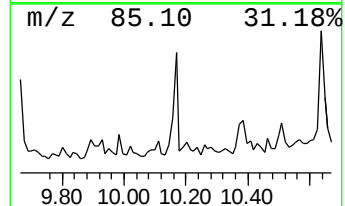
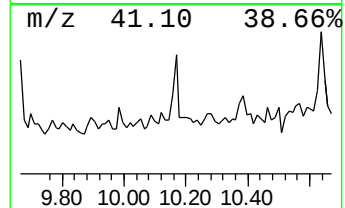
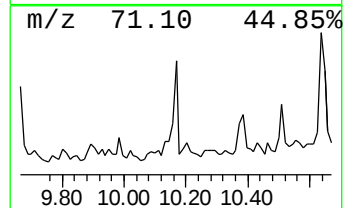
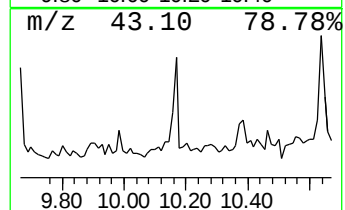
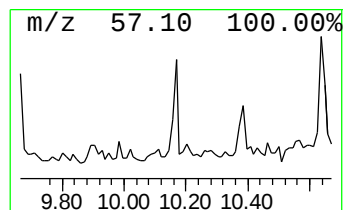
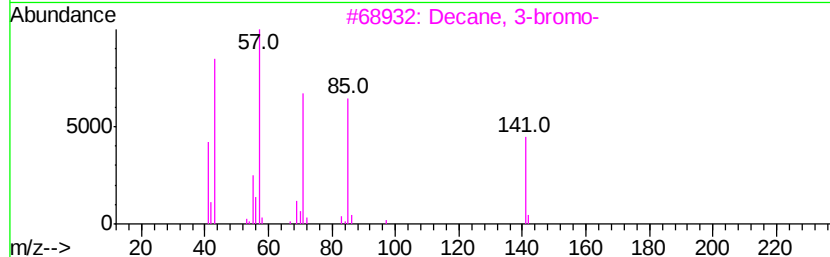
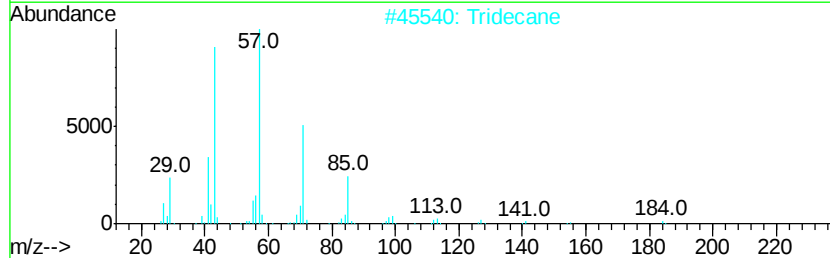
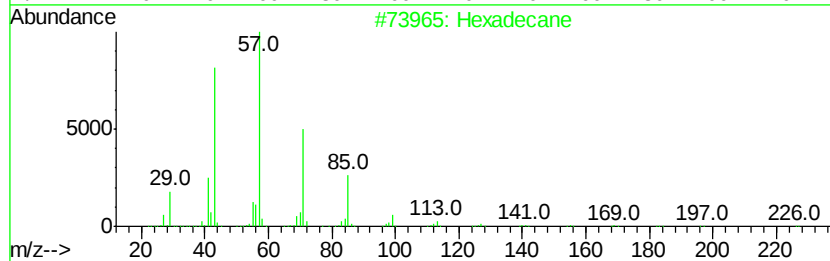
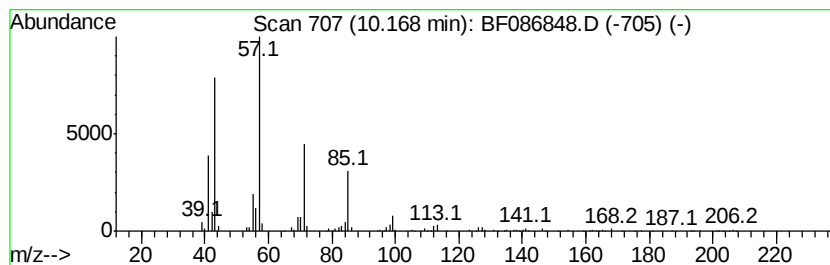
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.17	2.84 ng	212852	Acenaphthene-d10		9.72
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Decane, 3-bromo-	220	C10H21Br	030571-71-2	72
4	1-Iodoundecane	282	C11H23I	004282-44-4	72
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086848.D
Acq On : 10 May 2016 4:16
Operator : UM/SJ
Sample : H2895-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

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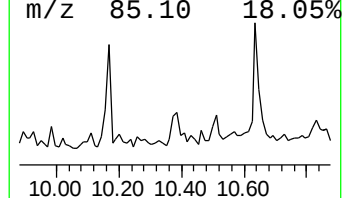
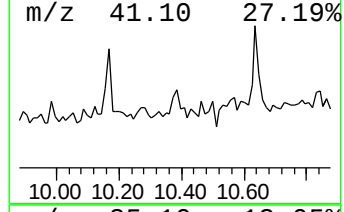
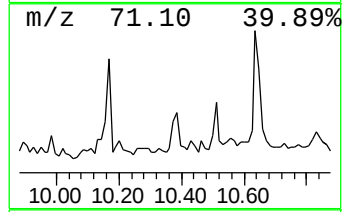
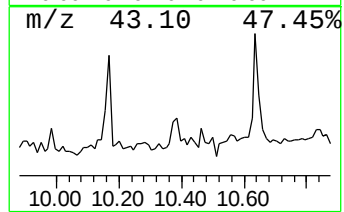
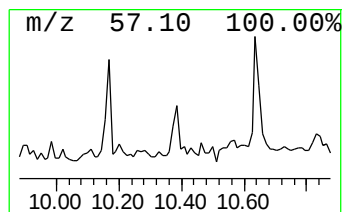
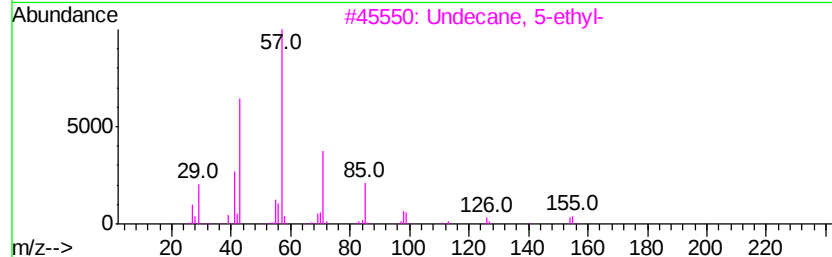
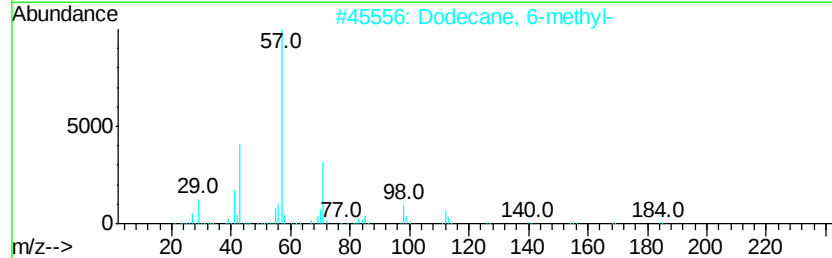
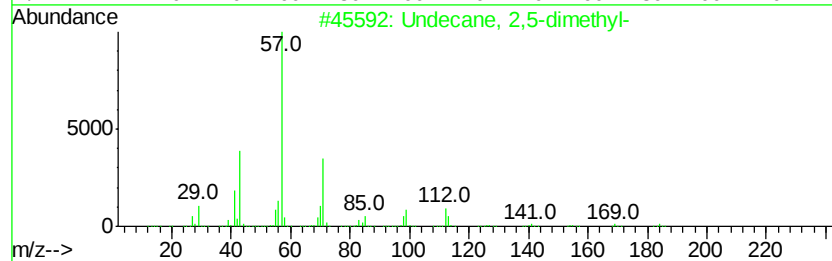
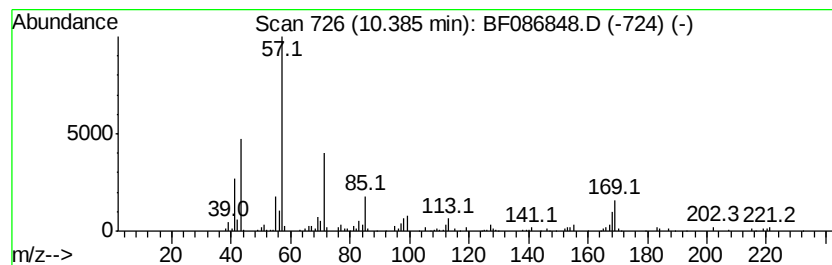
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Undecane, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.35 ng	176694	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
2		Dodecane, 6-methyl-	184	C13H28	006044-71-9	62
3		Undecane, 5-ethyl-	184	C13H28	017453-94-0	53
4		Octacosane	394	C28H58	000630-02-4	52
5		Heptacosane	380	C27H56	000593-49-7	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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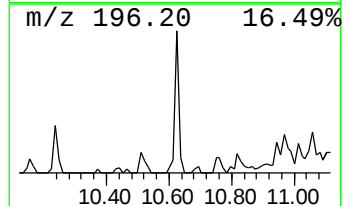
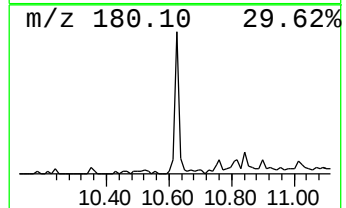
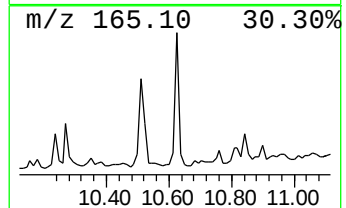
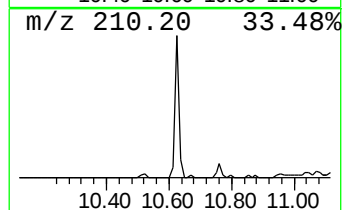
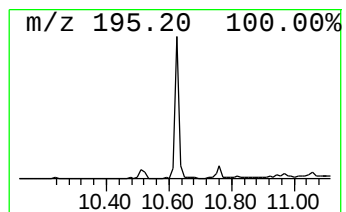
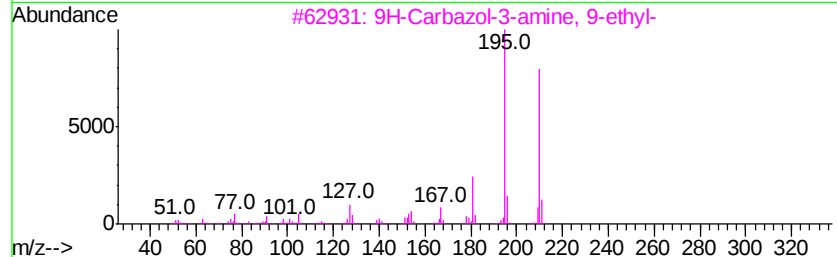
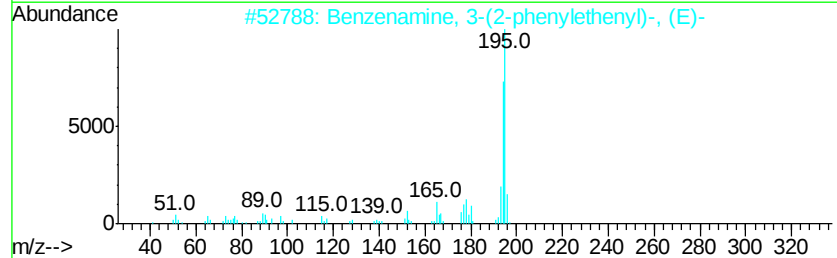
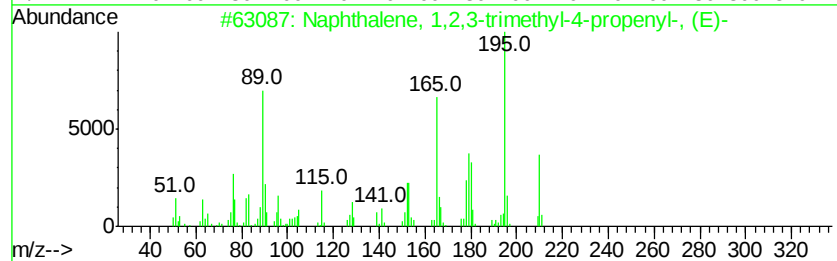
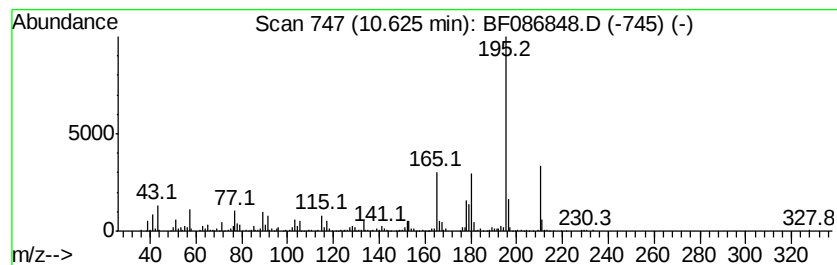
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,2,3-trimethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	7.77 ng	596224	Phenanthrene-d10	11.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	60
2		Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	58
3		9H-Carbazol-3-amine, 9-ethyl-	210	C14H14N2	000132-32-1	50
4		2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	49
5		Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
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Acq On : 10 May 2016 4:16
Operator : UM/SJ
Sample : H2895-15
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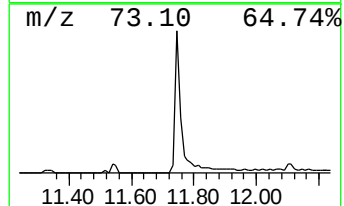
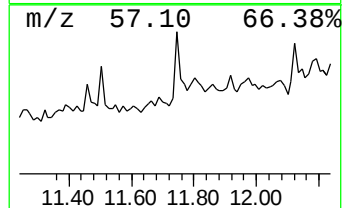
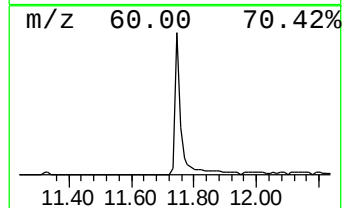
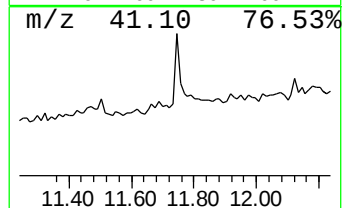
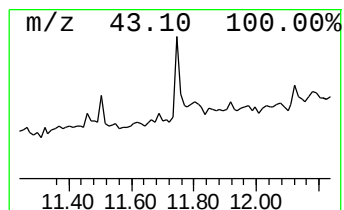
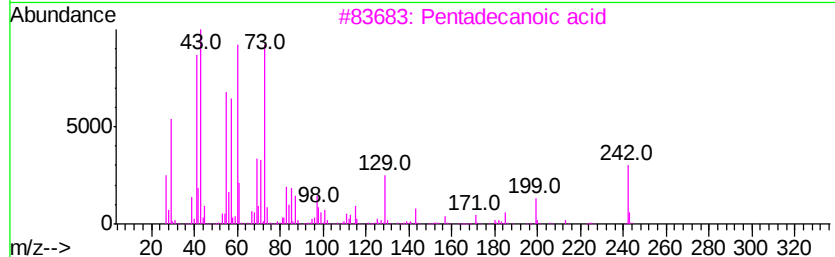
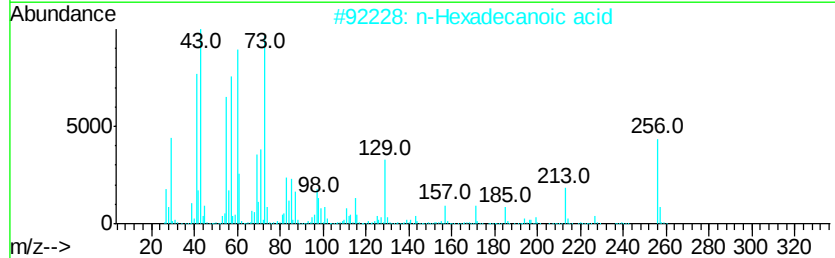
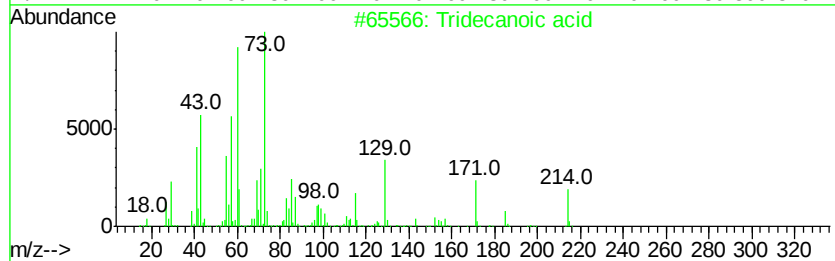
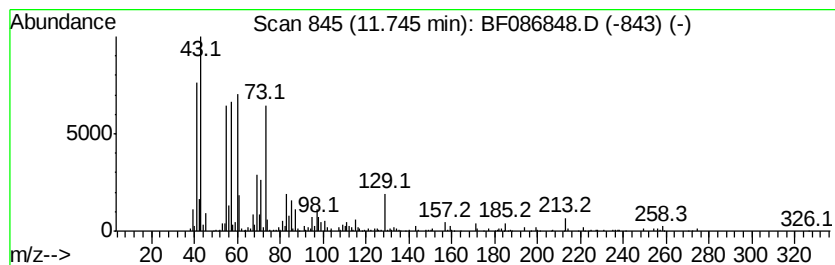
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.74	3.93 ng	301513	Phenanthrene-d10		11.21
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	91
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Undecanoic acid	186	C11H22O2	000112-37-8	80
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
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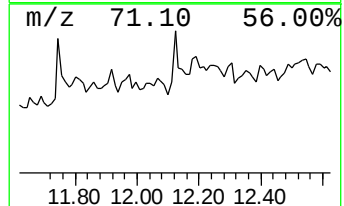
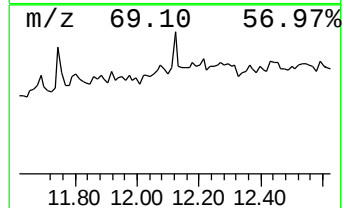
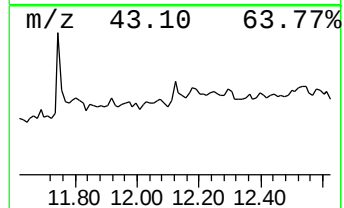
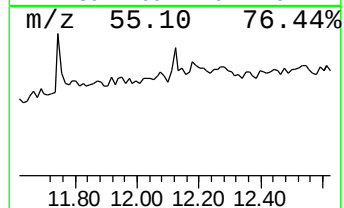
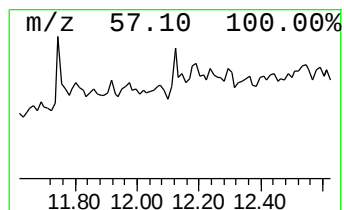
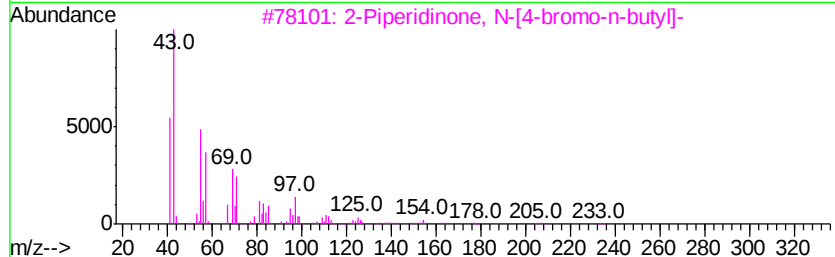
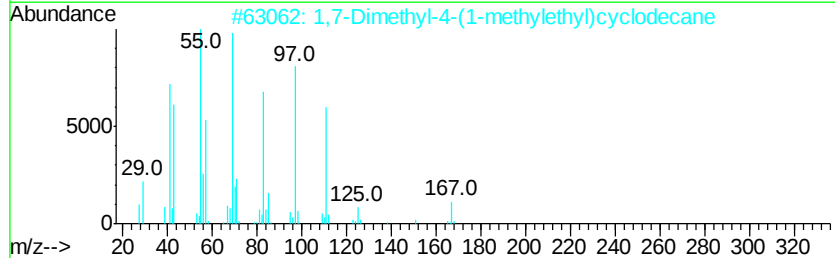
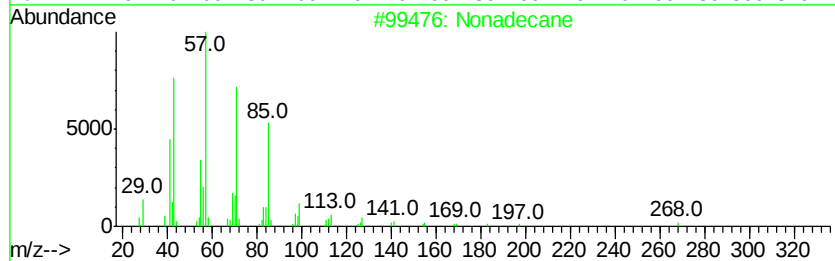
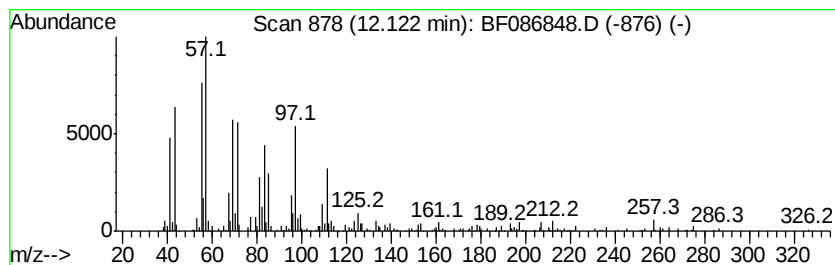
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.12	3.19 ng	244608	Phenanthrene-d10	11.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	52
2	1,7-Dimethyl-4-(1-methylethyl)cv...	210	C15H30	000645-10-3	47
3	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	43
4	Pentadecane	212	C15H32	000629-62-9	35
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
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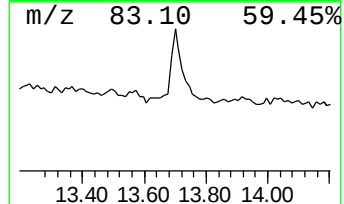
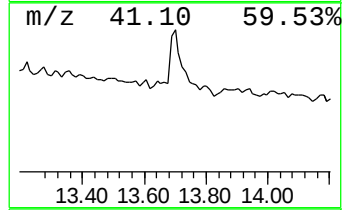
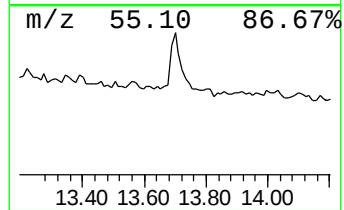
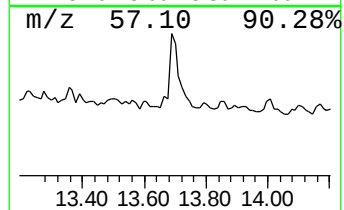
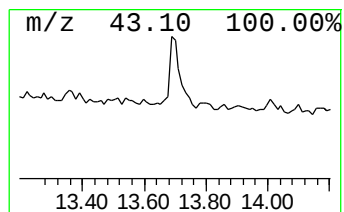
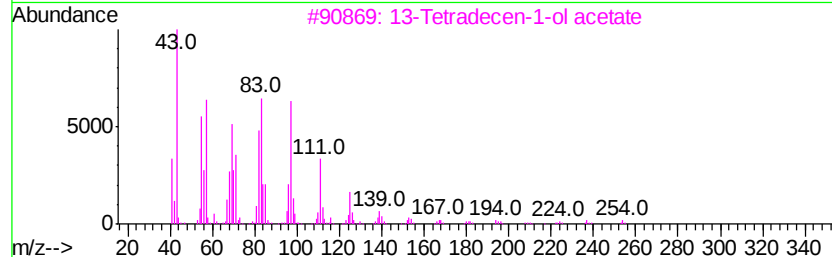
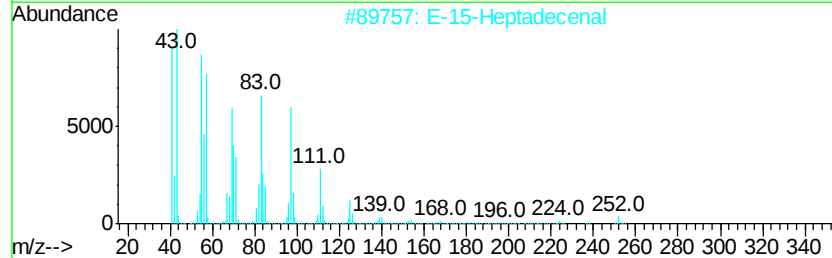
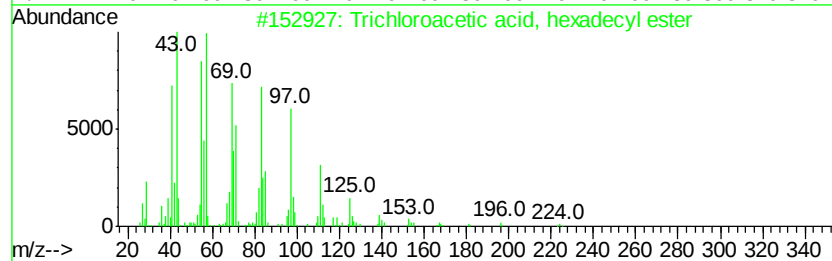
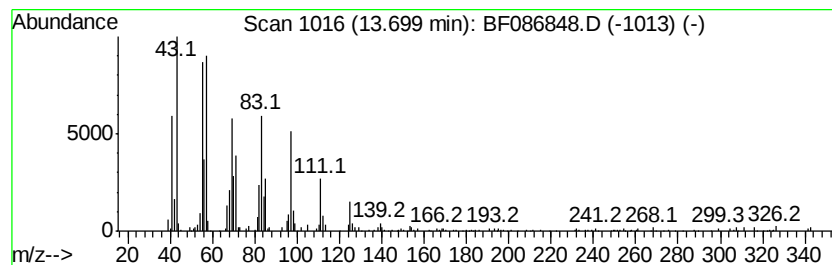
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Trichloroacetic acid, hexad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	7.17 ng	451907	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
2		E-15-Heptadecenal	252	C17H32O	1000130-97-9	93
3		13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	91
4		Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	90
5		9-Tricosene, (Z)-	322	C23H46	027519-02-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
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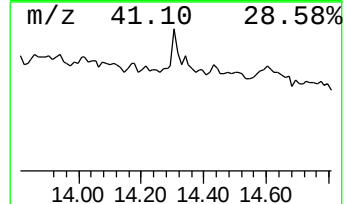
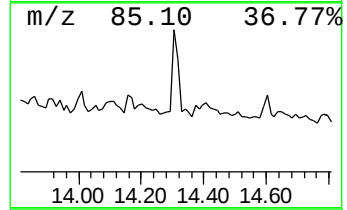
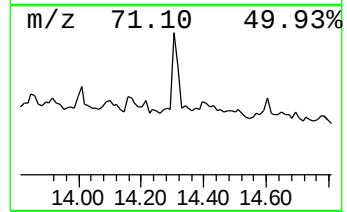
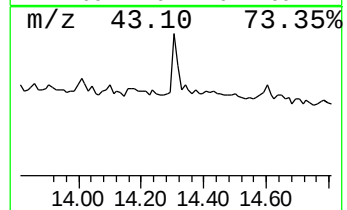
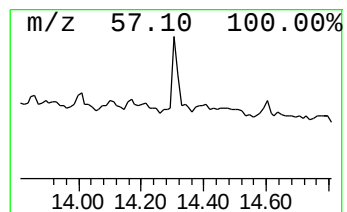
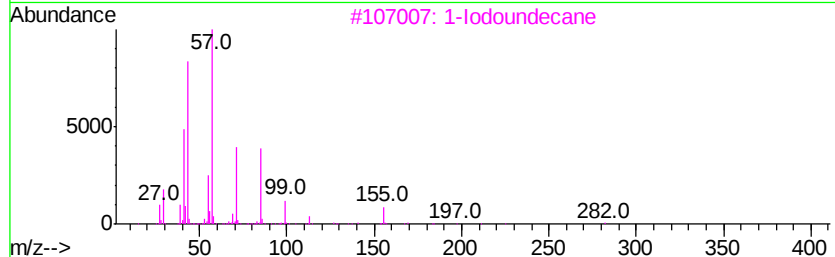
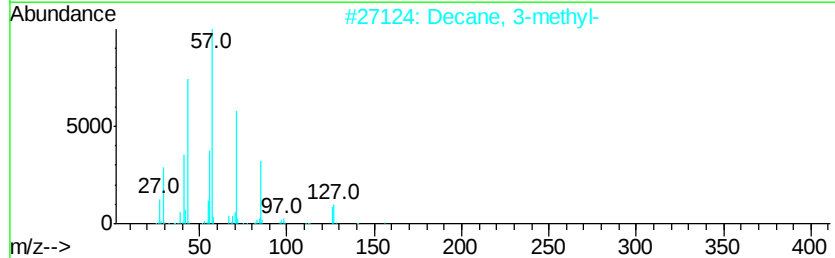
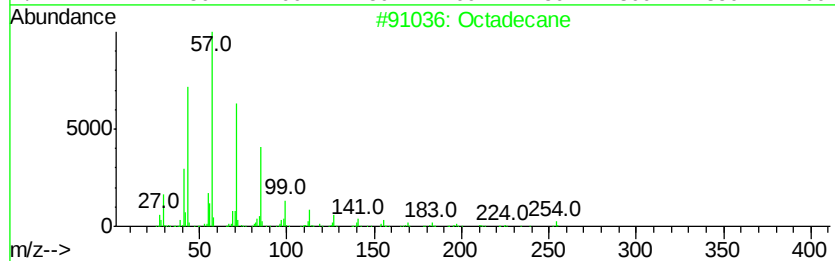
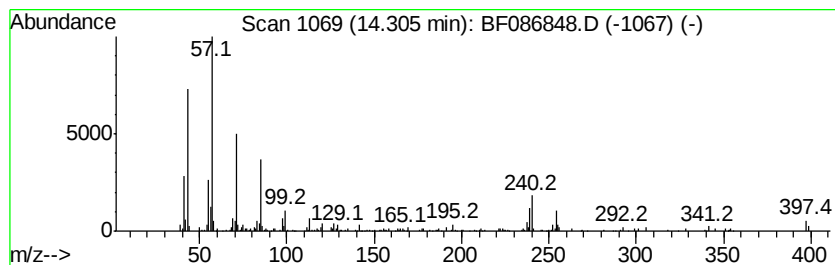
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	2.43 ng	153526	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	76
2		Decane, 3-methyl-	156	C11H24	013151-34-3	53
3		1-Iodoundecane	282	C11H23I	004282-44-4	52
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	52
5		Heptacosane	380	C27H56	000593-49-7	52



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Misc :
ALS Vial : 22 Sample Multiplier: 1

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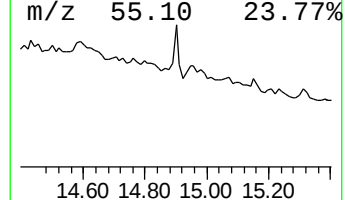
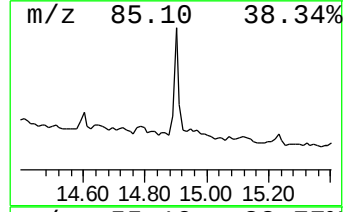
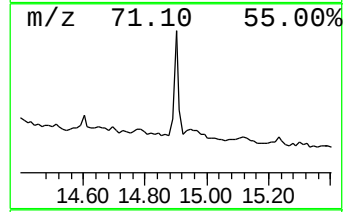
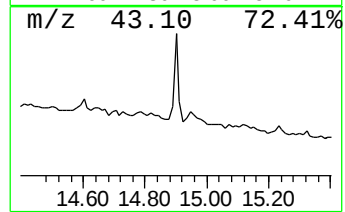
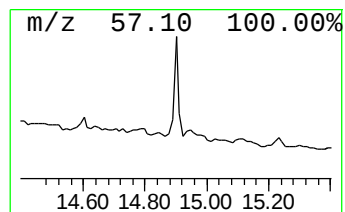
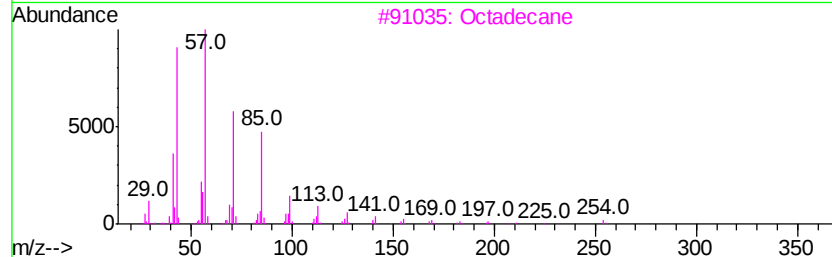
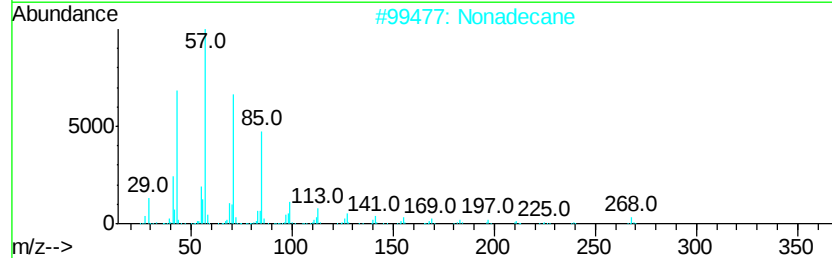
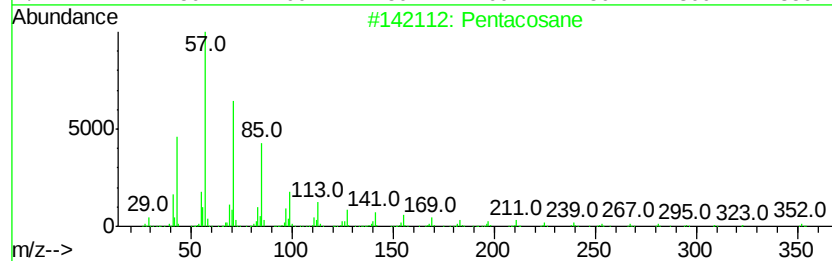
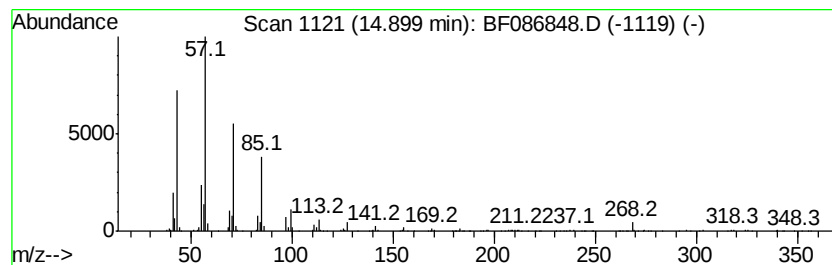
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pentacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.96 ng	160075	Perylene-d12	15.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacosane	352	C25H52	000629-99-2	97
2		Nonadecane	268	C19H40	000629-92-5	94
3		Octadecane	254	C18H38	000593-45-3	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086848.D
Acq On : 10 May 2016 4:16
Operator : UM/SJ
Sample : H2895-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

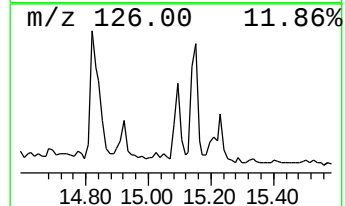
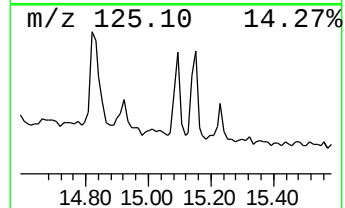
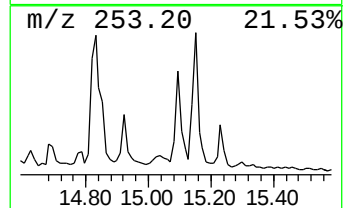
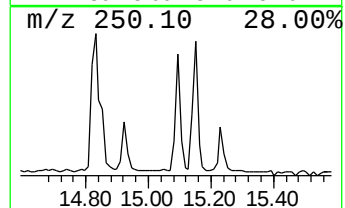
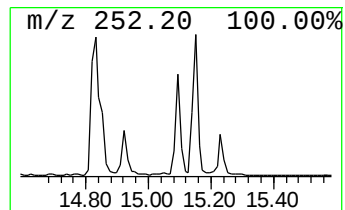
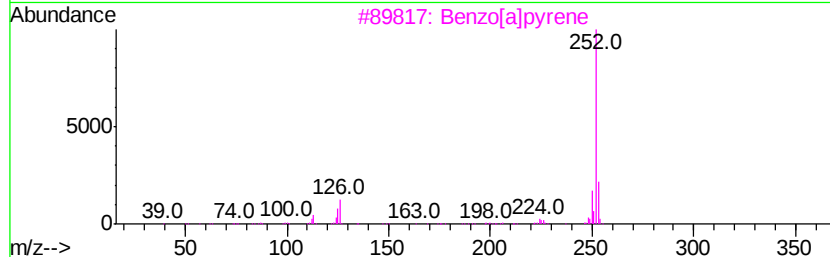
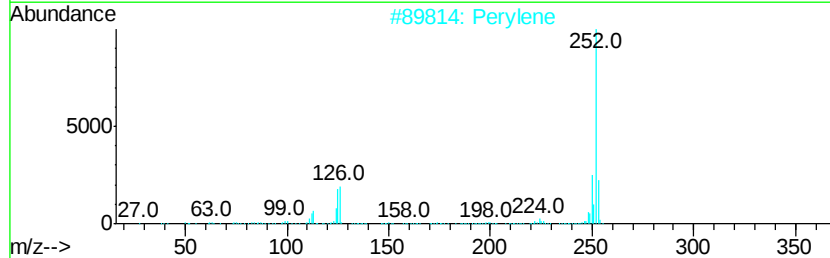
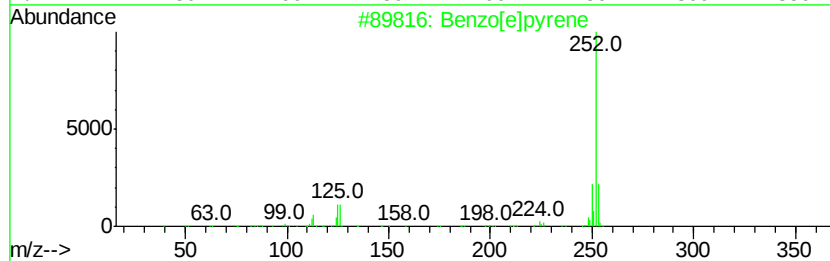
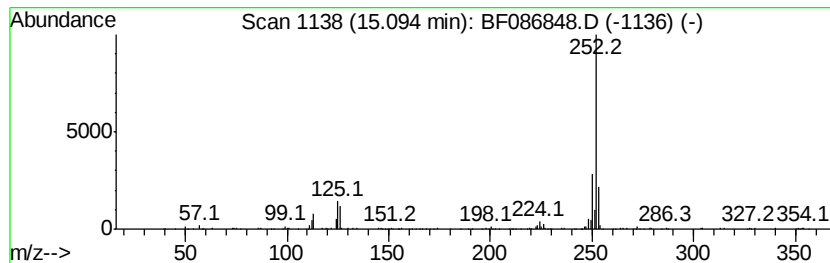
Instrument :
BNA_F
ClientSampleId :
TP15-3-5FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.09	2.31 ng	124840	Perylene-d12	15.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[el]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[al]pyrene	252	C20H12	000050-32-8	93
4	Benz[el]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086848.D
 Acq On : 10 May 2016 4:16
 Operator : UM/SJ
 Sample : H2895-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP15-3-5FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.86	9.8	ng	533312	1	6.69	1084170	20.0
unknown6.46	6.46	92.0	ng	4987870	1	6.69	1084170	20.0
Biphenylene	9.58	2.2	ng	168016	3	9.72	1501570	20.0
Eicosane	9.66	2.3	ng	173245	3	9.72	1501570	20.0
Hexadecane	10.17	2.8	ng	212852	3	9.72	1501570	20.0
Undecane, 2,5-dim...	10.38	2.4	ng	176694	3	9.72	1501570	20.0
Naphthalene, 1,2,...	10.62	7.8	ng	596224	4	11.21	1535260	20.0
Tridecanoic acid	11.74	3.9	ng	301513	4	11.21	1535260	20.0
Nonadecane	12.12	3.2	ng	244608	4	11.21	1535260	20.0
Trichloroacetic a...	13.70	7.2	ng	451907	5	13.83	1261430	20.0
Octadecane	14.31	2.4	ng	153526	5	13.83	1261430	20.0
Pentacosane	14.90	3.0	ng	160075	6	15.21	1081510	20.0
Benzo[e]pyrene	15.09	2.3	ng	124840	6	15.21	1081510	20.0