

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086637.D
 Acq On : 3 May 2016 11:34
 Operator : UM/SJ
 Sample : H2685-17
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-1B-CS-4(16-32FTBGS)

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-BF042716.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	3.630	132	135	140	rBV	47710	91229	1.47%	0.157%
2	4.956	249	251	256	rBV	87871	187860	3.02%	0.324%
3	5.344	282	285	288	rBV	4436110	5804754	93.25%	10.003%
4	6.396	373	377	379	rBV	5102339	6212233	99.79%	10.706%
5	6.522	385	388	390	rBV	5617758	6225222	100.00%	10.728%
6	6.750	405	408	410	rBV	1303166	1231730	19.79%	2.123%
7	6.910	419	422	424	rBV	4051897	4620657	74.22%	7.963%
8	7.322	455	458	460	rBV	3725516	4272356	68.63%	7.363%
9	7.425	465	467	474	rVV	40711	123295	1.98%	0.212%
10	7.527	474	476	479	rVB	63330	73161	1.18%	0.126%
11	8.042	518	521	523	rBV	1109523	1638338	26.32%	2.823%
12	8.899	593	596	599	rBV2	40581	72336	1.16%	0.125%
13	9.116	612	615	618	rBV	5000301	5327849	85.58%	9.182%
14	9.516	647	650	652	rBV	973849	1008588	16.20%	1.738%
15	9.733	667	669	671	rBV	110854	101648	1.63%	0.175%
16	9.791	671	674	676	rBV	1989614	1967530	31.61%	3.391%
17	10.225	709	712	714	rBV	143592	227609	3.66%	0.392%
18	10.453	728	732	733	rBV	90798	141096	2.27%	0.243%
19	10.579	740	743	745	rBV	3964657	4329364	69.55%	7.461%
20	10.705	752	754	760	rVB	245910	356940	5.73%	0.615%
21	10.899	768	771	775	rBV	30734	70775	1.14%	0.122%
22	11.151	790	793	794	rBV	120166	109797	1.76%	0.189%
23	11.265	801	803	808	rBV2	1426145	1928490	30.98%	3.323%
24	11.814	849	851	855	rVV	805128	856273	13.75%	1.476%
25	11.882	855	857	861	rVB2	38608	110768	1.78%	0.191%
26	12.008	867	868	870	rVB	62649	63711	1.02%	0.110%
27	12.122	876	878	881	rVB	222552	197824	3.18%	0.341%
28	12.214	885	886	888	rVB	131936	132072	2.12%	0.228%
29	12.294	891	893	898	rBV2	39849	76095	1.22%	0.131%
30	12.477	907	909	911	rBV	191309	183217	2.94%	0.316%
31	12.522	911	913	915	rVV	144174	130834	2.10%	0.225%
32	12.591	917	919	926	rBV2	210799	363110	5.83%	0.626%
33	12.705	926	929	931	rVV2	137312	259042	4.16%	0.446%
34	12.854	940	942	945	rBV	3385654	4548193	73.06%	7.838%

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

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35	12.922	946	948	951	rVB	64778	89810	1.44%	0.155%
36	12.991	951	954	956	rBV	435461	421262	6.77%	0.726%
37	13.391	987	989	991	rBV	82540	78308	1.26%	0.135%
38	13.757	1019	1021	1031	rBV	429867	907916	14.58%	1.565%
39	13.905	1031	1034	1047	rVV	1129668	1855809	29.81%	3.198%
40	14.077	1047	1049	1055	rVB2	32283	78747	1.26%	0.136%
41	14.351	1071	1073	1074	rBV	65559	65038	1.04%	0.112%
42	14.660	1098	1100	1105	rBV2	150257	231121	3.71%	0.398%
43	15.288	1153	1155	1158	rBV	728179	1104931	17.75%	1.904%
44	16.397	1243	1252	1262	rVB2	25420	150821	2.42%	0.260%

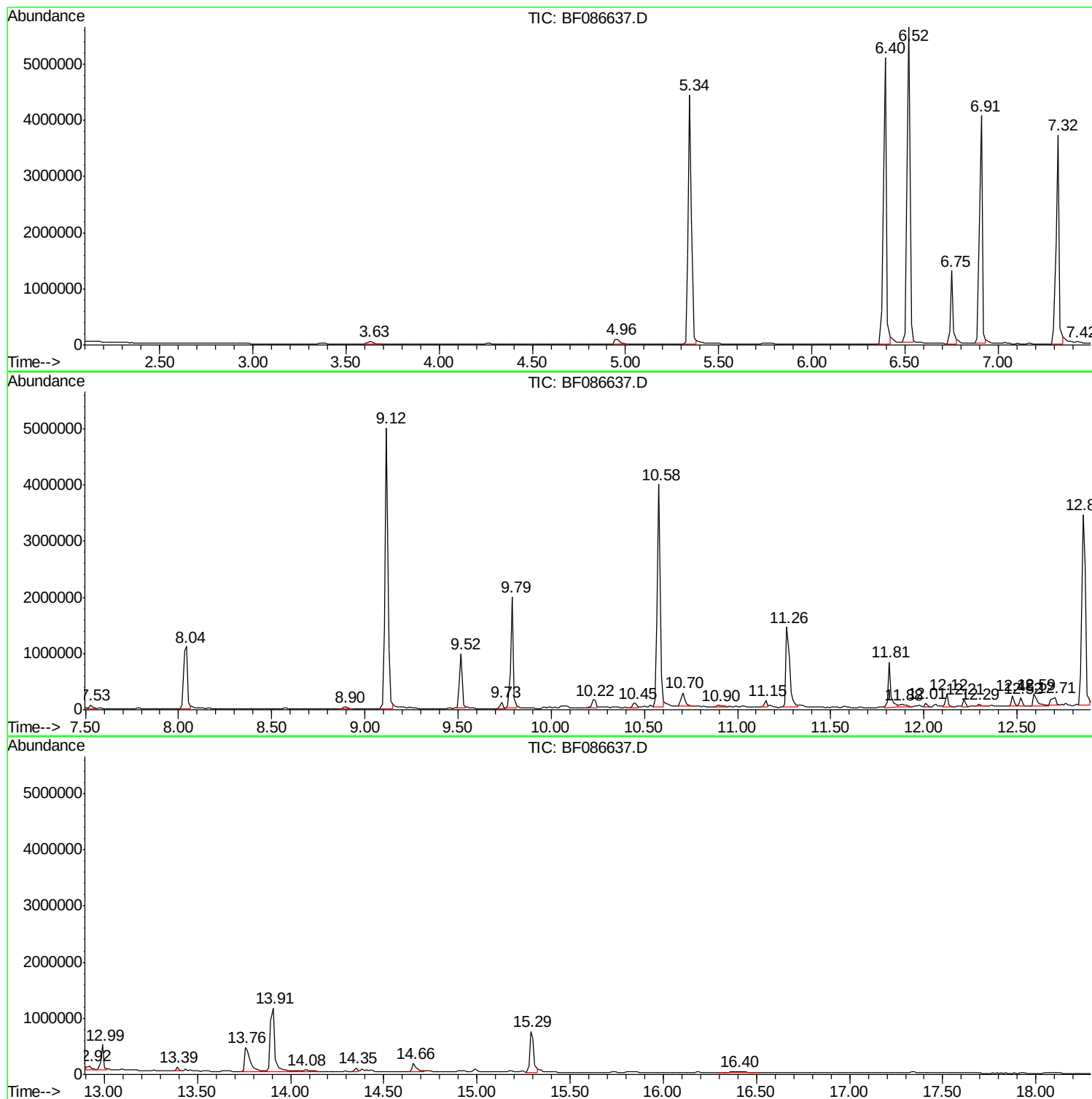
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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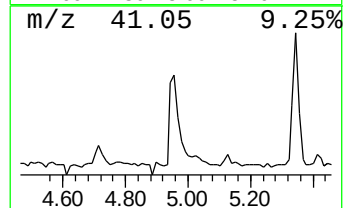
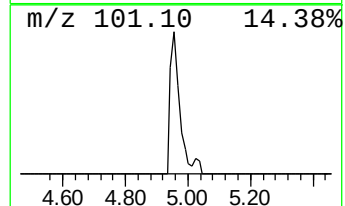
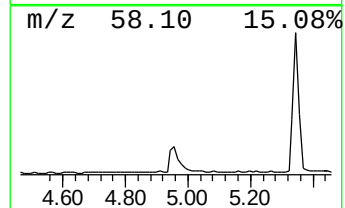
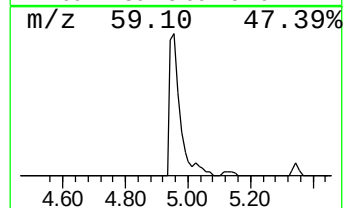
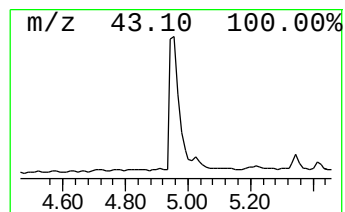
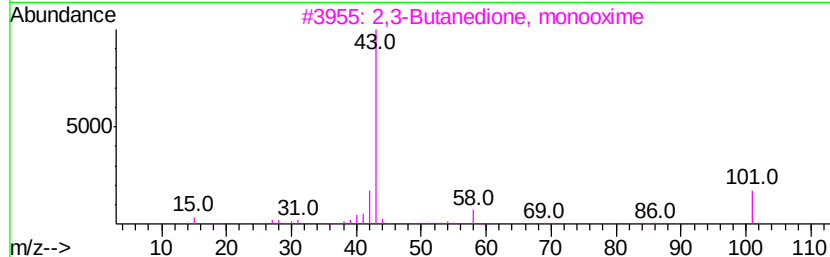
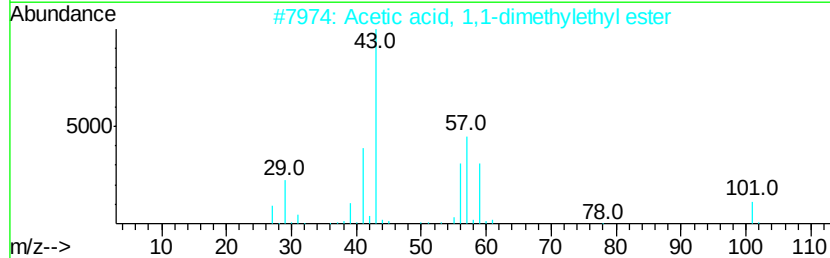
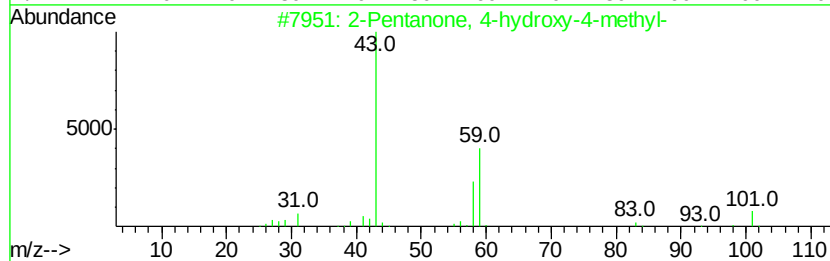
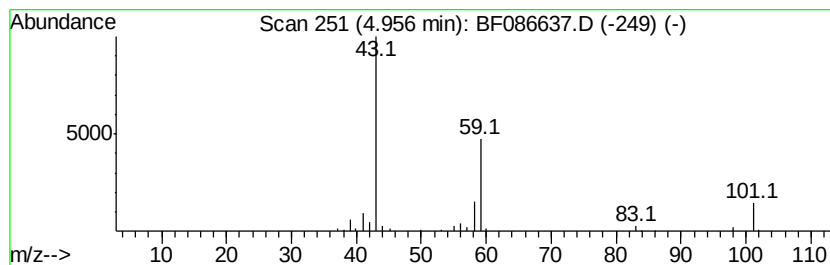
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.96	3.05 ng	187860	1,4-Dichlorobenzene-d4	6.75	
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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	dl-4-Amino-3-hydroxybutyric acid	119	C4H9NO3	000352-21-6	9



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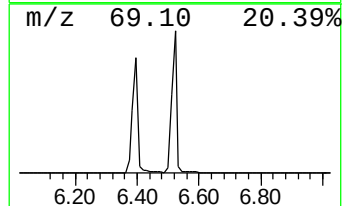
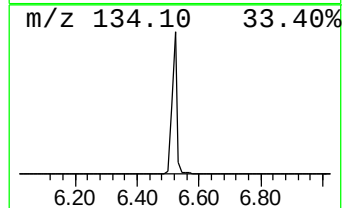
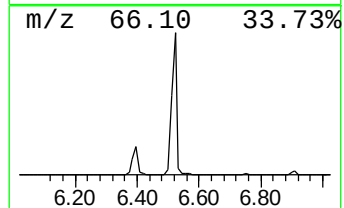
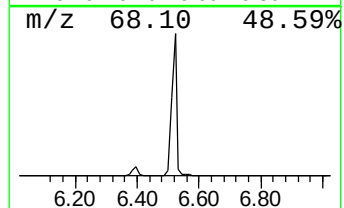
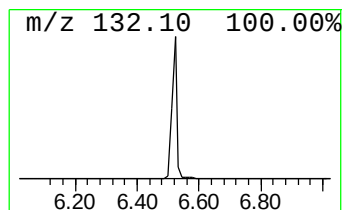
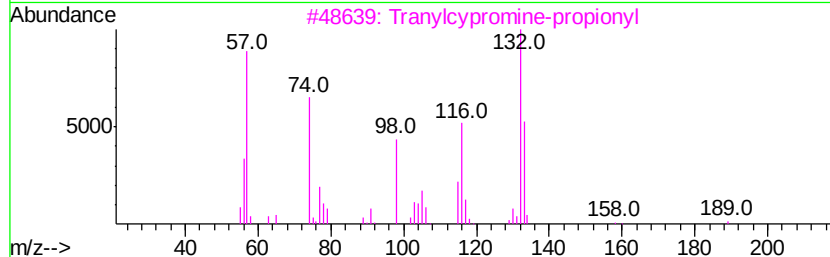
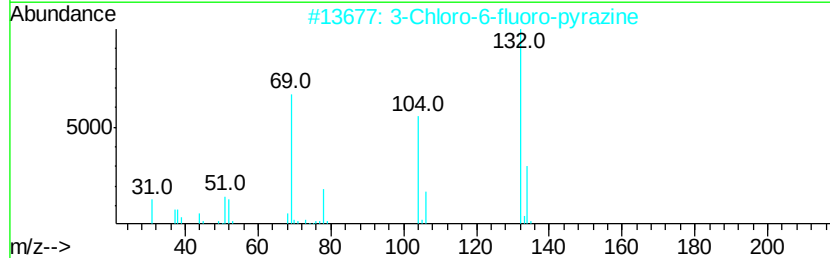
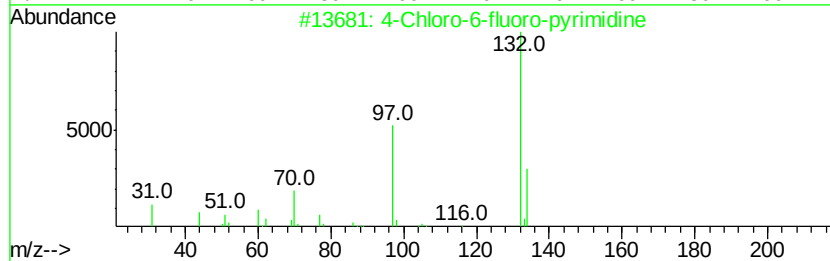
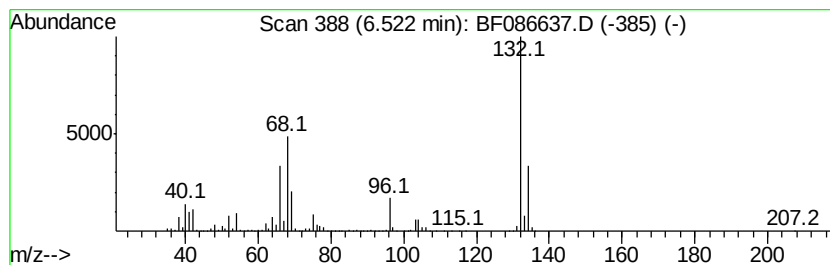
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Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	101.08 ng	6225220	1,4-Dichlorobenzene-d4	6.75

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		Tranvlcypropine-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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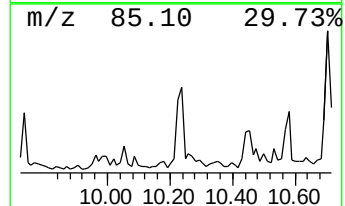
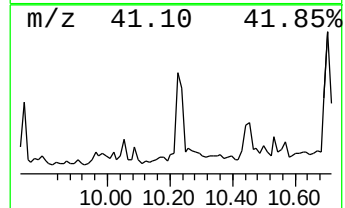
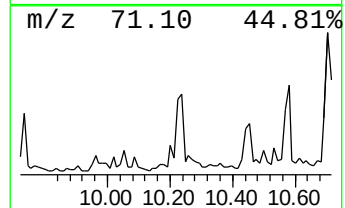
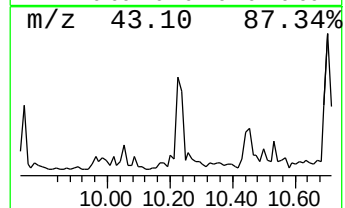
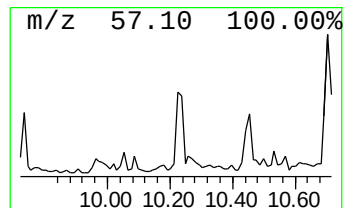
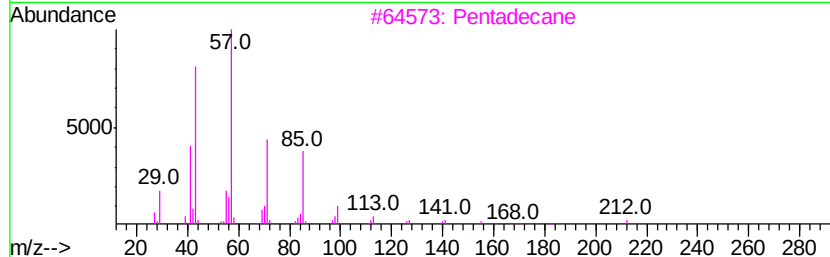
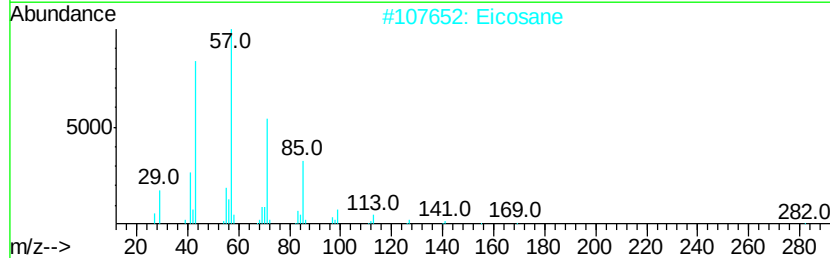
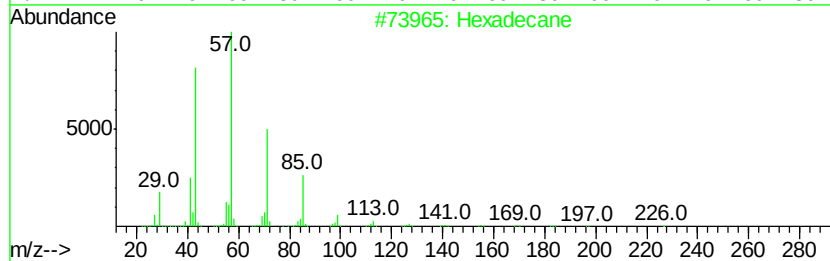
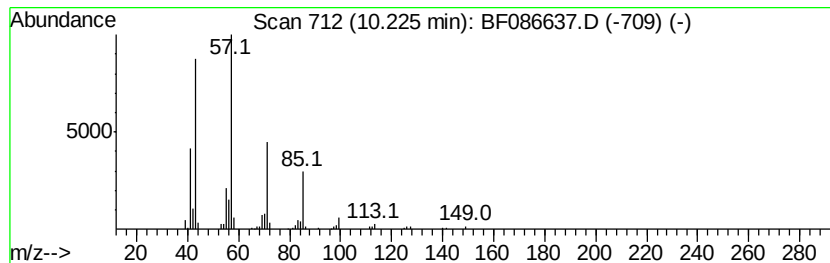
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
10.22	2.31 ng	227609	Acenaphthene-d10	9.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Eicosane	282 C20H42	000112-95-8	90
3	Pentadecane	212 C15H32	000629-62-9	78
4	Decane	142 C10H22	000124-18-5	72
5	Nonane, 5-butyl-	184 C13H28	017312-63-9	72



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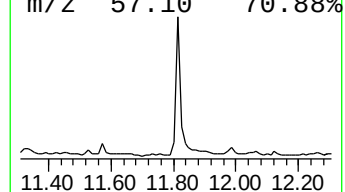
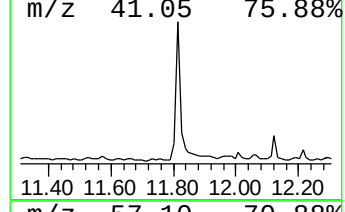
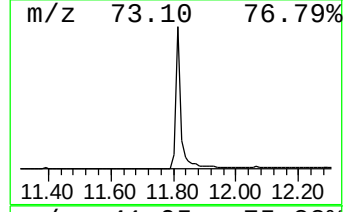
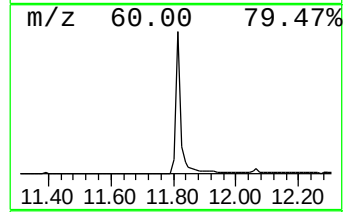
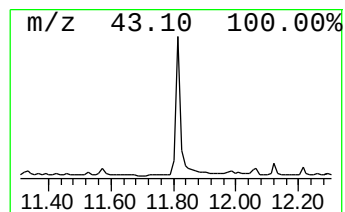
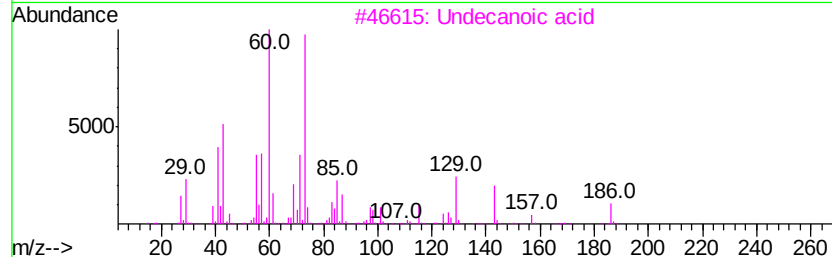
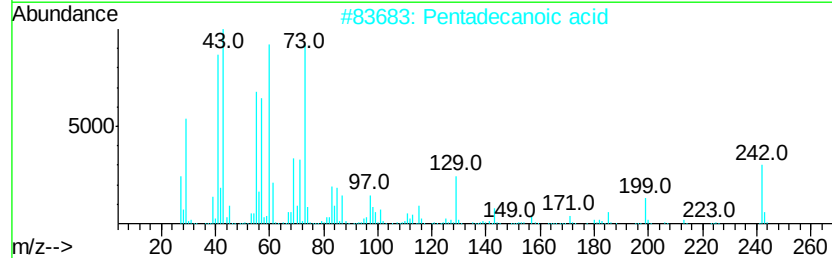
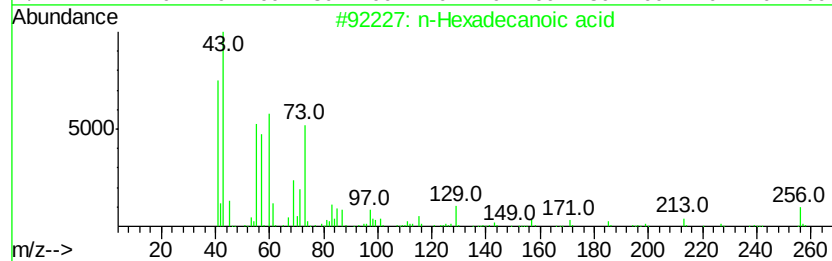
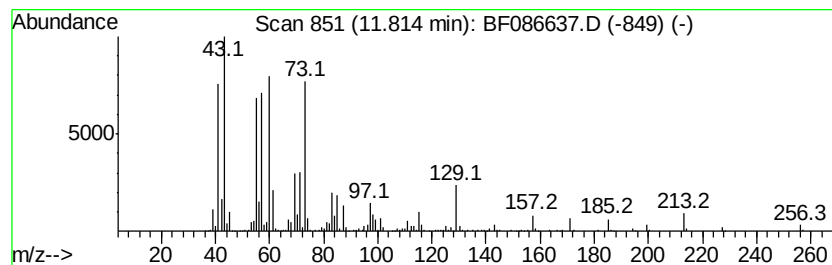
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.81	8.88 ng	856273	Phenanthrene-d10		11.27
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Undecanoic acid	186	C11H22O2	000112-37-8	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	78



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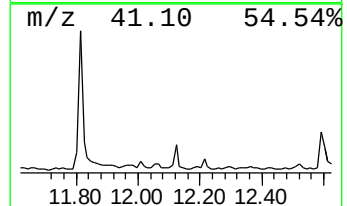
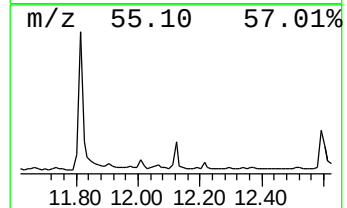
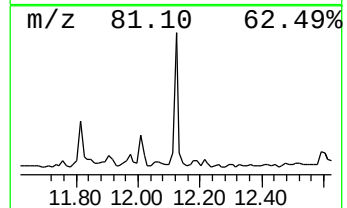
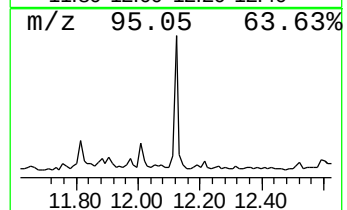
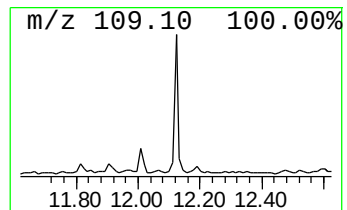
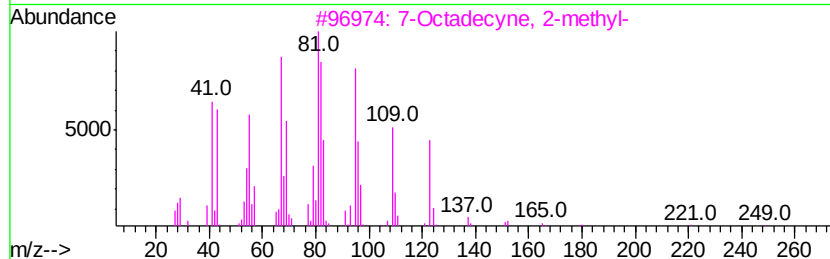
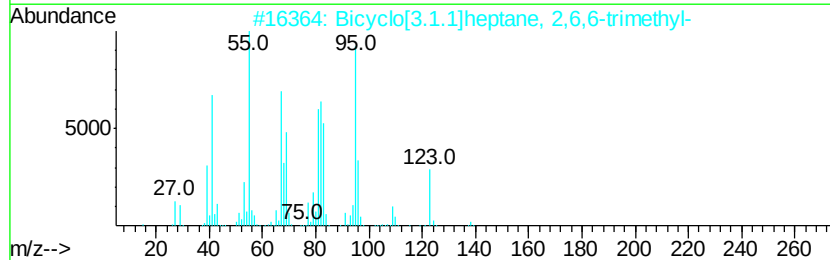
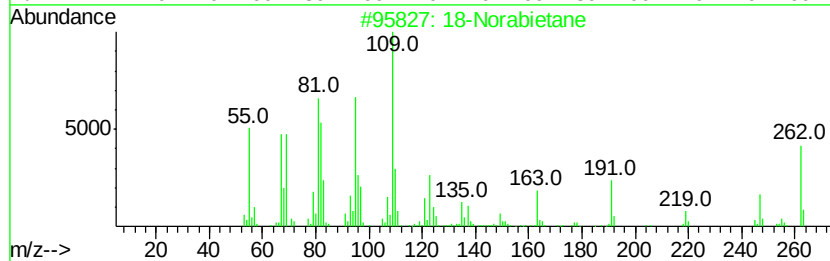
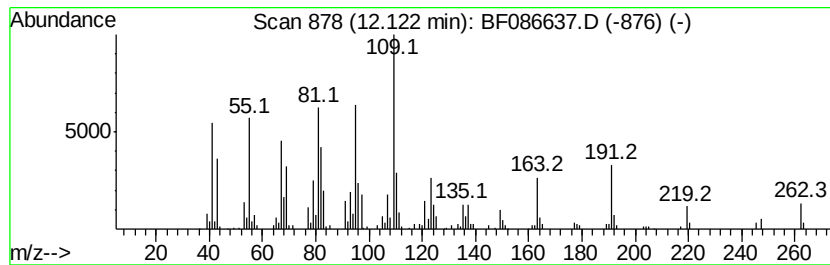
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Peak Number 7 18-Norabietane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.05 ng	197824	Phenanthrene-d10	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	95
2		Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	49
3		7-Octadecyne, 2-methyl-	264	C19H36	035354-38-2	35
4		1,2-Benzooxazine, 2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	30
5		Cyclopropanecarboxylic acid, 2,2...	168	C10H16O2	033383-56-1	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086637.D
Acq On : 3 May 2016 11:34
Operator : UM/SJ
Sample : H2685-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

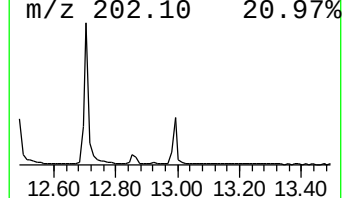
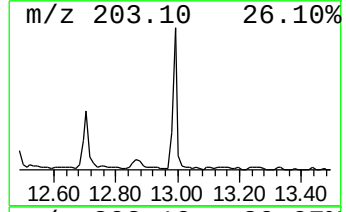
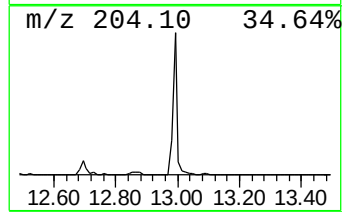
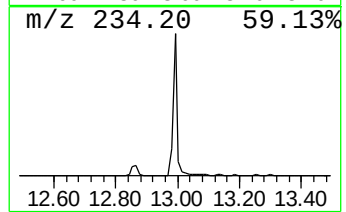
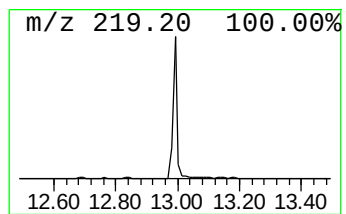
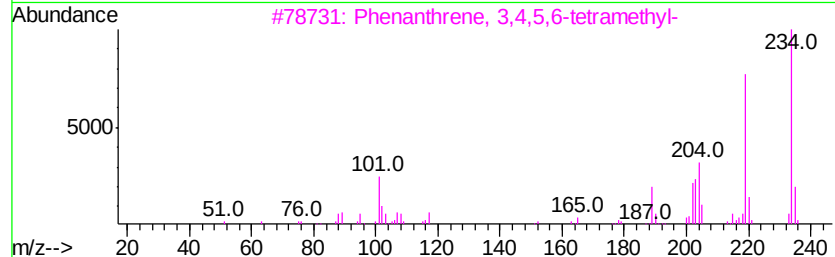
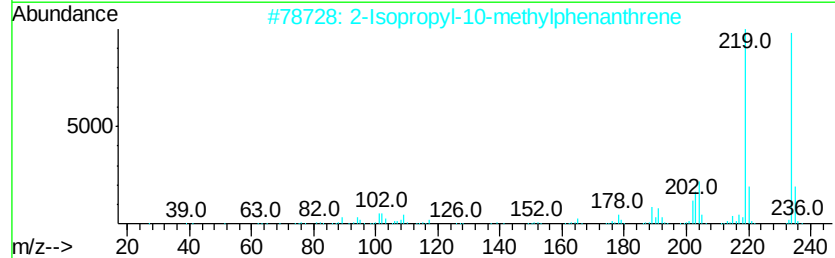
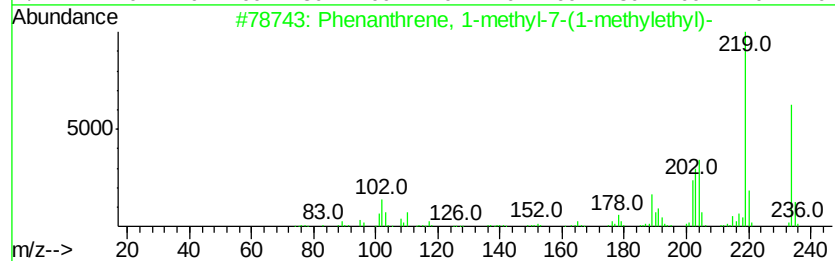
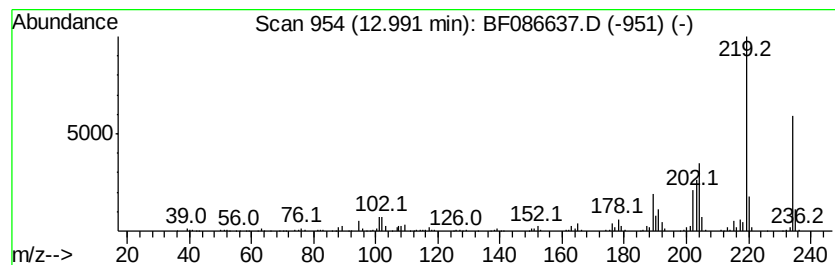
Instrument :
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ClientSampleId :
26WARD-1B-CS-4(16-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl-7-(1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	4.54 ng	421262	Chrysene-d12	13.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	95
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	59
4	2,3,5,6-Detetrahydrocyclohexanon...	234	C15H22O2	101100-38-3	50
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
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Acq On : 3 May 2016 11:34
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Sample : H2685-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

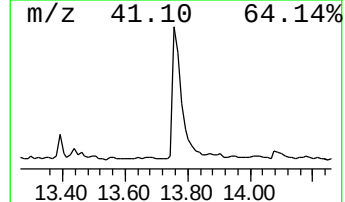
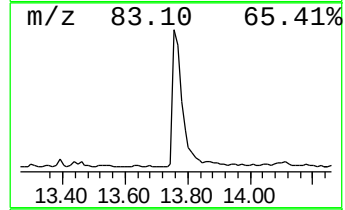
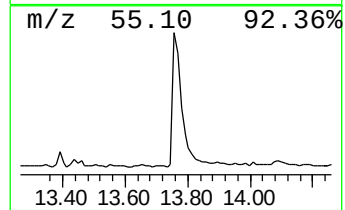
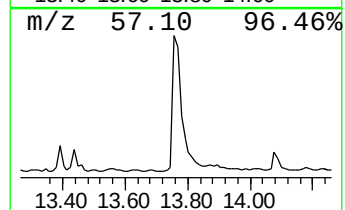
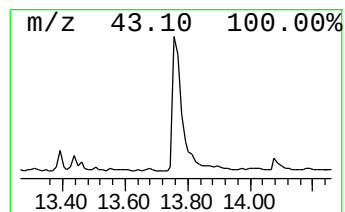
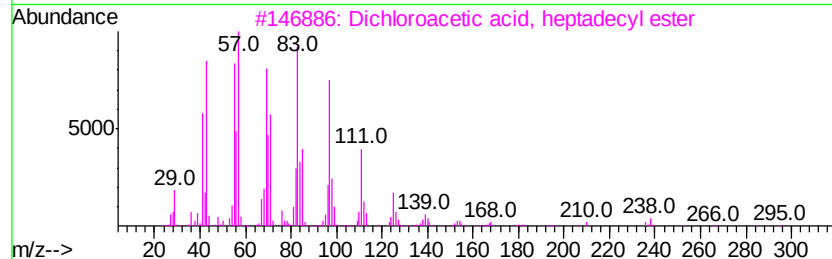
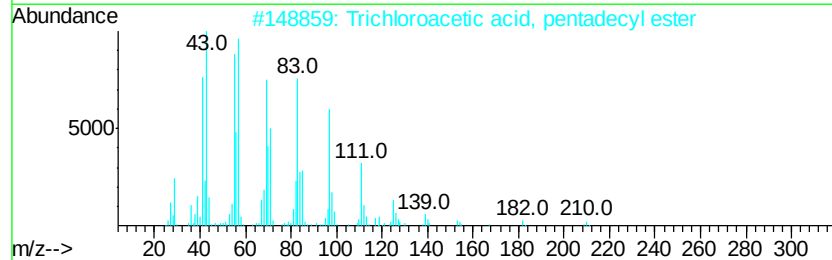
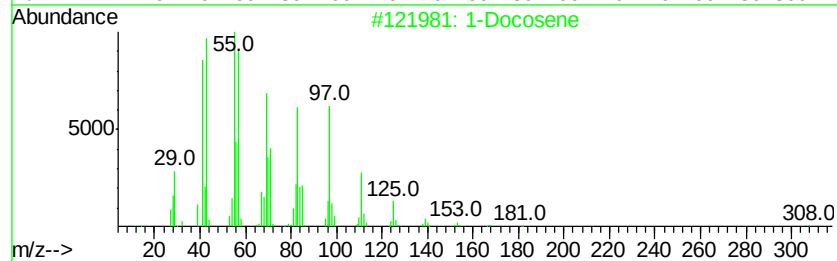
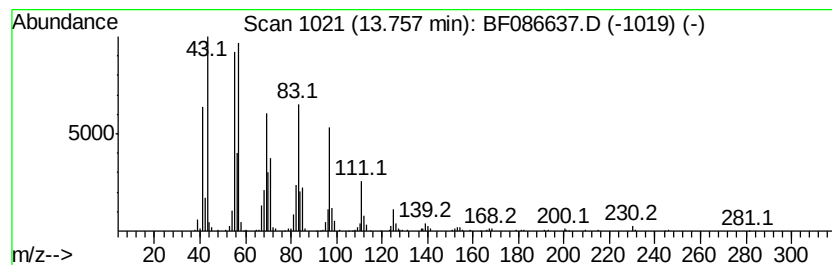
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ClientSampleId :
26WARD-1B-CS-4(16-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1-Docosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.76	9.78 ng	907916	Chrysene-d12	13.91	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	93
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
5	1-Nonadecene	266	C19H38	018435-45-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086637.D
Acq On : 3 May 2016 11:34
Operator : UM/SJ
Sample : H2685-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

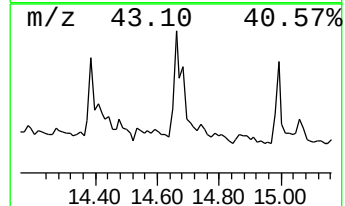
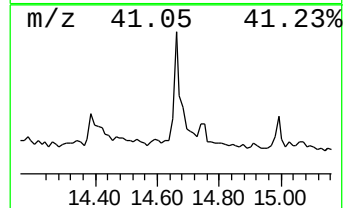
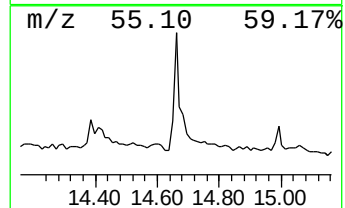
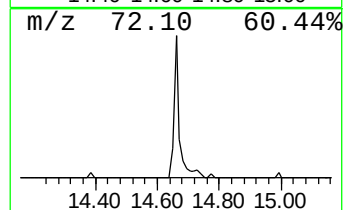
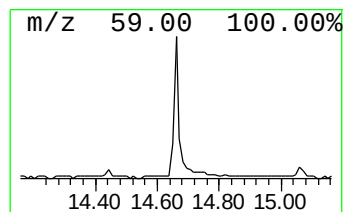
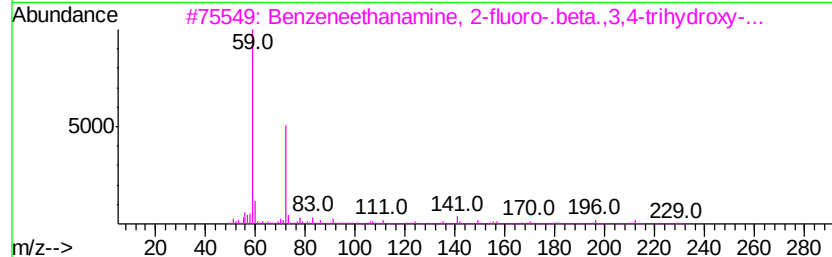
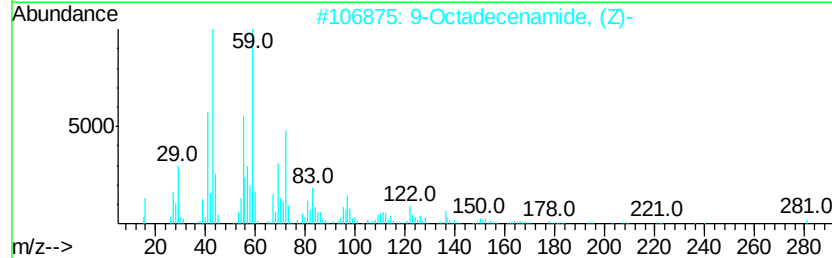
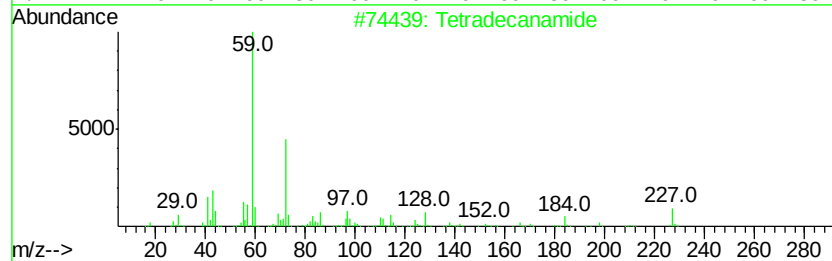
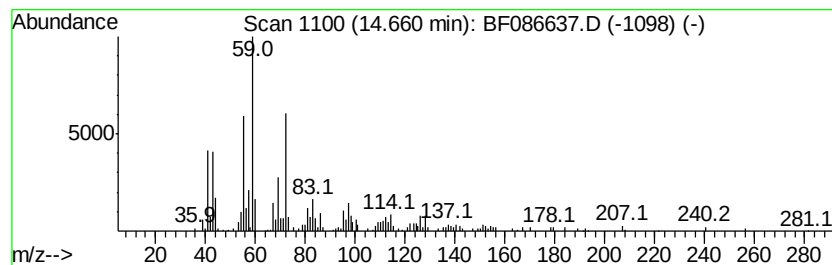
Instrument :
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ClientSampleId :
26WARD-1B-CS-4(16-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetradecanamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	4.18 ng	231121	Perylene-d12	15.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecanamide	227 C14H29NO	000638-58-4 86
2		9-Octadecenamide, (Z)-	281 C18H35NO	000301-02-0 72
3		Benzeneethanamine, 2-fluoro-.bet...	229 C11H16FN03	061338-98-5 59
4		Hexadecanamide	255 C16H33NO	000629-54-9 53
5		trans-2,7-Dimethyl-4,6-octadien-...	154 C10H18O	1000281-69-5 46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086637.D
Acq On : 3 May 2016 11:34
Operator : UM/SJ
Sample : H2685-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

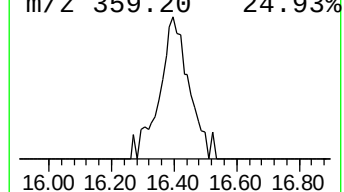
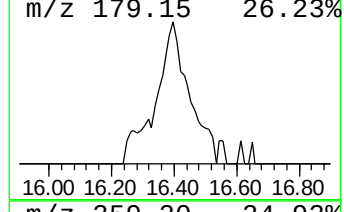
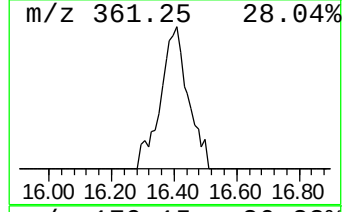
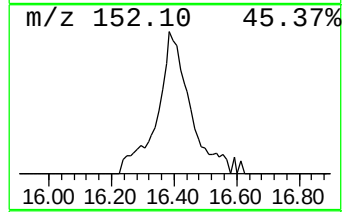
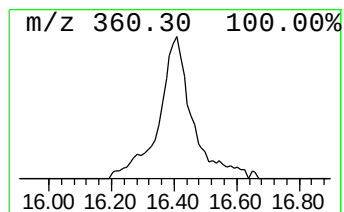
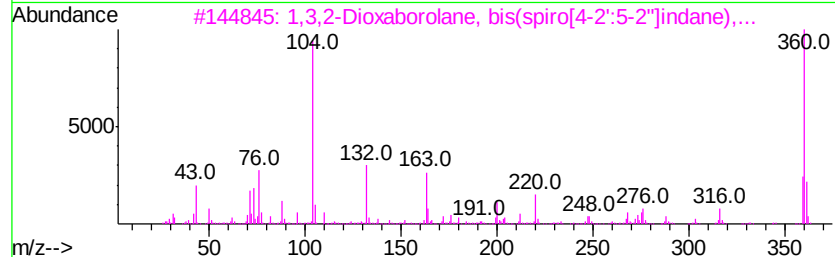
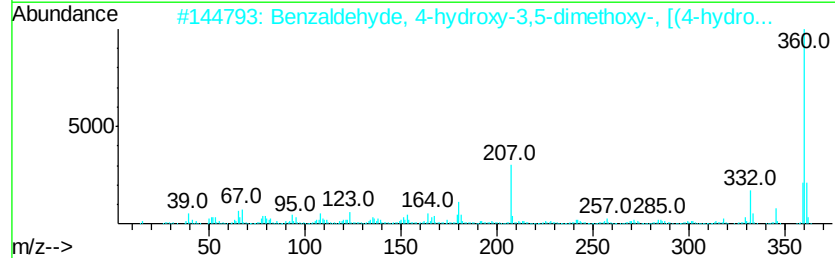
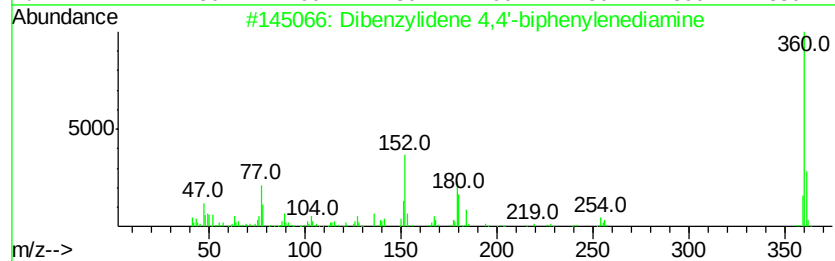
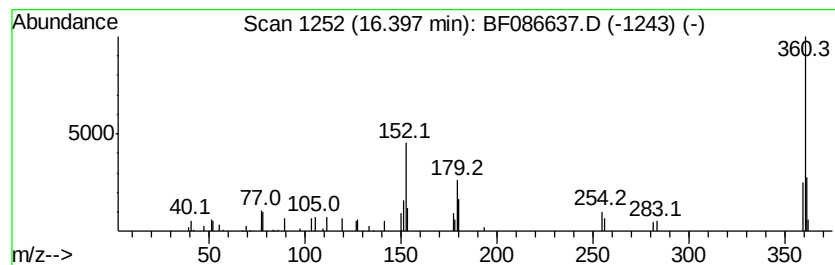
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dibenzylidene 4,4'-biphenyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.73 ng	150821	Perylene-d12	15.29
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzylidene 4,4'-biphenylenedi...	360 C26H20N2	006311-48-4 94
2		Benzaldehyde, 4-hydroxy-3,5-dime...	360 C18H20N2O6	014414-32-5 49
3		1,3,2-Dioxaborolane, bis(spiro[4...	360 C20H13B06	1000150-23-7 43
4		N,N'-di-2-Naphthyl-p-phenylenedi...	360 C26H20N2	000093-46-9 43
5		1,10-Phenanthroline, 2,9-dimethy...	360 C26H20N2	004733-39-5 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086637.D
Acq On : 3 May 2016 11:34
Operator : UM/SJ
Sample : H2685-17
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-1B-CS-4(16-32FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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...	4.96	3.0	ng	187860	1	6.75	1231730	20.0
unknown6.52	6.52	101.1	ng	6225220	1	6.75	1231730	20.0
Hexadecane	10.22	2.3	ng	227609	3	9.79	1967530	20.0
n-Hexadecanoic acid	11.81	8.9	ng	856273	4	11.27	1928490	20.0
18-Norabietane	12.12	2.0	ng	197824	4	11.27	1928490	20.0
Phenanthrene, 1-m...	12.99	4.5	ng	421262	5	13.91	1855810	20.0
1-Docosene	13.76	9.8	ng	907916	5	13.91	1855810	20.0
Tetradecanamide	14.66	4.2	ng	231121	6	15.29	1104930	20.0
Dibenzylidene 4,4...	16.40	2.7	ng	150821	6	15.29	1104930	20.0