

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
 Data File : BF086083.D
 Acq On : 5 Apr 2016 19:36
 Operator : UM/SJ
 Sample : H2149-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 51-35-REEDER-DISCHARGE

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-BF040216.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	2.292	16	18	23	rVB	35590	56923	1.78%	0.159%
2	3.835	150	153	156	rBV2	39488	72683	2.27%	0.203%
3	4.361	196	199	202	rBV	25428	35043	1.10%	0.098%
4	4.693	226	228	231	rBV2	58896	72373	2.26%	0.202%
5	4.784	233	236	238	rBV2	39110	52399	1.64%	0.146%
6	4.853	240	242	245	rVV2	249002	392944	12.28%	1.095%
7	4.921	245	248	249	rVV2	82202	201438	6.30%	0.562%
8	4.967	251	252	253	rVV	539458	381799	11.94%	1.064%
9	5.013	253	256	259	rVB3	35831	67229	2.10%	0.187%
10	5.070	259	261	264	rVB2	53504	49266	1.54%	0.137%
11	5.218	272	274	276	rBV2	17502	36564	1.14%	0.102%
12	5.276	276	279	280	rVV3	378060	515578	16.12%	1.437%
13	5.344	283	285	290	rVV	1235461	1511272	47.24%	4.213%
14	5.436	290	293	295	rVB2	61512	93853	2.93%	0.262%
15	5.561	302	304	306	rBV2	185292	159121	4.97%	0.444%
16	5.721	315	318	319	rBV3	22473	41015	1.28%	0.114%
17	5.744	319	320	323	rVV2	80660	175311	5.48%	0.489%
18	5.801	323	325	329	rVB3	458806	781632	24.43%	2.179%
19	6.350	368	373	375	rBV2	21765	41742	1.30%	0.116%
20	6.396	375	377	383	rBV	869184	902780	28.22%	2.517%
21	6.521	386	388	390	rBV	2383461	2222979	69.49%	6.197%
22	6.750	406	408	410	rBV	809473	704922	22.04%	1.965%
23	6.819	412	414	418	rVB2	601477	820896	25.66%	2.289%
24	6.910	419	422	424	rBV	2145244	2472055	77.28%	6.892%
25	7.013	429	431	435	rVB3	14561	37081	1.16%	0.103%
26	7.207	446	448	452	rVB3	93016	152747	4.78%	0.426%
27	7.322	455	458	460	rVV	1768667	1717010	53.68%	4.787%
28	7.424	464	467	468	rVV2	105347	172832	5.40%	0.482%
29	7.447	468	469	471	rVV	110826	155030	4.85%	0.432%
30	7.493	471	473	475	rVV	54554	71905	2.25%	0.200%
31	7.584	477	481	486	rVB3	26202	58989	1.84%	0.164%
32	7.779	496	498	501	rBV2	34944	68594	2.14%	0.191%
33	7.824	501	502	504	rVV	81640	75094	2.35%	0.209%
34	7.950	508	513	518	rBV4	36875	90653	2.83%	0.253%

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35	8.042	518	521	522	rVV	765518	946544	29.59%	2.639%
36	8.064	522	523	525	rVB2	102253	82770	2.59%	0.231%
37	8.167	531	532	535	rVB2	27753	36970	1.16%	0.103%
38	8.327	542	546	548	rBV	52283	84667	2.65%	0.236%
39	8.362	548	549	551	rVB2	93205	70403	2.20%	0.196%
40	8.407	551	553	555	rBV2	288335	345348	10.80%	0.963%
41	8.510	559	562	565	rVB2	841877	1069058	33.42%	2.980%
42	8.556	565	566	570	rBV	108665	128207	4.01%	0.357%
43	8.624	570	572	575	rVB4	36109	67261	2.10%	0.188%
44	8.682	575	577	579	rBV	110338	142592	4.46%	0.398%
45	8.716	579	580	582	rVB2	35975	40624	1.27%	0.113%
46	8.750	582	583	589	rBV	123757	247309	7.73%	0.689%
47	8.990	600	604	607	rVB	40762	53079	1.66%	0.148%
48	9.116	612	615	617	rVV	3489192	3198828	100.00%	8.918%
49	9.162	617	619	621	rVB	87864	73527	2.30%	0.205%
50	9.242	621	626	627	rBV3	56058	74942	2.34%	0.209%
51	9.287	627	630	632	rBV2	1786470	1901881	59.46%	5.302%
52	9.470	643	646	649	rBV	56756	113969	3.56%	0.318%
53	9.516	649	650	651	rVB	88180	61659	1.93%	0.172%
54	9.619	656	659	661	rBV2	36633	66429	2.08%	0.185%
55	9.722	666	668	671	rBV	231151	241987	7.56%	0.675%
56	9.790	671	674	676	rBV	1199354	1037849	32.44%	2.893%
57	9.962	687	689	694	rBV	117001	164416	5.14%	0.458%
58	10.065	696	698	700	rVV	192861	207376	6.48%	0.578%
59	10.099	700	701	704	rVV	190825	159232	4.98%	0.444%
60	10.179	707	708	713	rVV3	226907	318738	9.96%	0.889%
61	10.305	717	719	720	rVV2	102520	93291	2.92%	0.260%
62	10.350	720	723	724	rVV	61099	119401	3.73%	0.333%
63	10.385	724	726	727	rVV2	129264	156695	4.90%	0.437%
64	10.419	727	729	731	rVV3	320851	406461	12.71%	1.133%
65	10.476	733	734	736	rVV2	118938	113123	3.54%	0.315%
66	10.579	740	743	746	rVV	1882721	2081409	65.07%	5.803%
67	10.670	748	751	753	rVV3	215917	302692	9.46%	0.844%
68	10.762	756	759	760	rVV3	197758	291010	9.10%	0.811%
69	10.785	760	761	762	rVV	202896	201311	6.29%	0.561%
70	10.808	762	763	766	rVB3	172677	264628	8.27%	0.738%
71	11.139	789	792	794	rBV3	29189	57039	1.78%	0.159%

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72	11.276	801	804	806 rBV	872549	1018159	31.83%	2.839%
73	11.493	820	823	824 rBV2	36137	46850	1.46%	0.131%
74	11.619	832	834	835 rBV	46044	61959	1.94%	0.173%
75	11.836	851	853	855 rVV	87862	71391	2.23%	0.199%
76	11.871	855	856	859 rVB2	39328	35835	1.12%	0.100%
77	11.962	862	864	867 rBV2	24937	39416	1.23%	0.110%
78	12.682	925	927	929 rBV2	187556	176889	5.53%	0.493%
79	12.751	929	933	934 rBV3	34385	49613	1.55%	0.138%
80	12.773	934	935	939 rVB3	167878	297486	9.30%	0.829%
81	12.853	939	942	945 rBV	2565818	2767487	86.52%	7.715%
82	13.379	986	988	990 rBV	117086	121101	3.79%	0.338%
83	13.642	1008	1011	1012 rBV	20460	36846	1.15%	0.103%
84	13.779	1019	1023	1026 rVB4	232265	322897	10.09%	0.900%
85	13.905	1032	1034	1037 rVB	802139	714490	22.34%	1.992%
86	14.031	1043	1045	1046 rBV2	41879	42031	1.31%	0.117%
87	15.311	1154	1157	1163 rVB	455096	582660	18.21%	1.624%

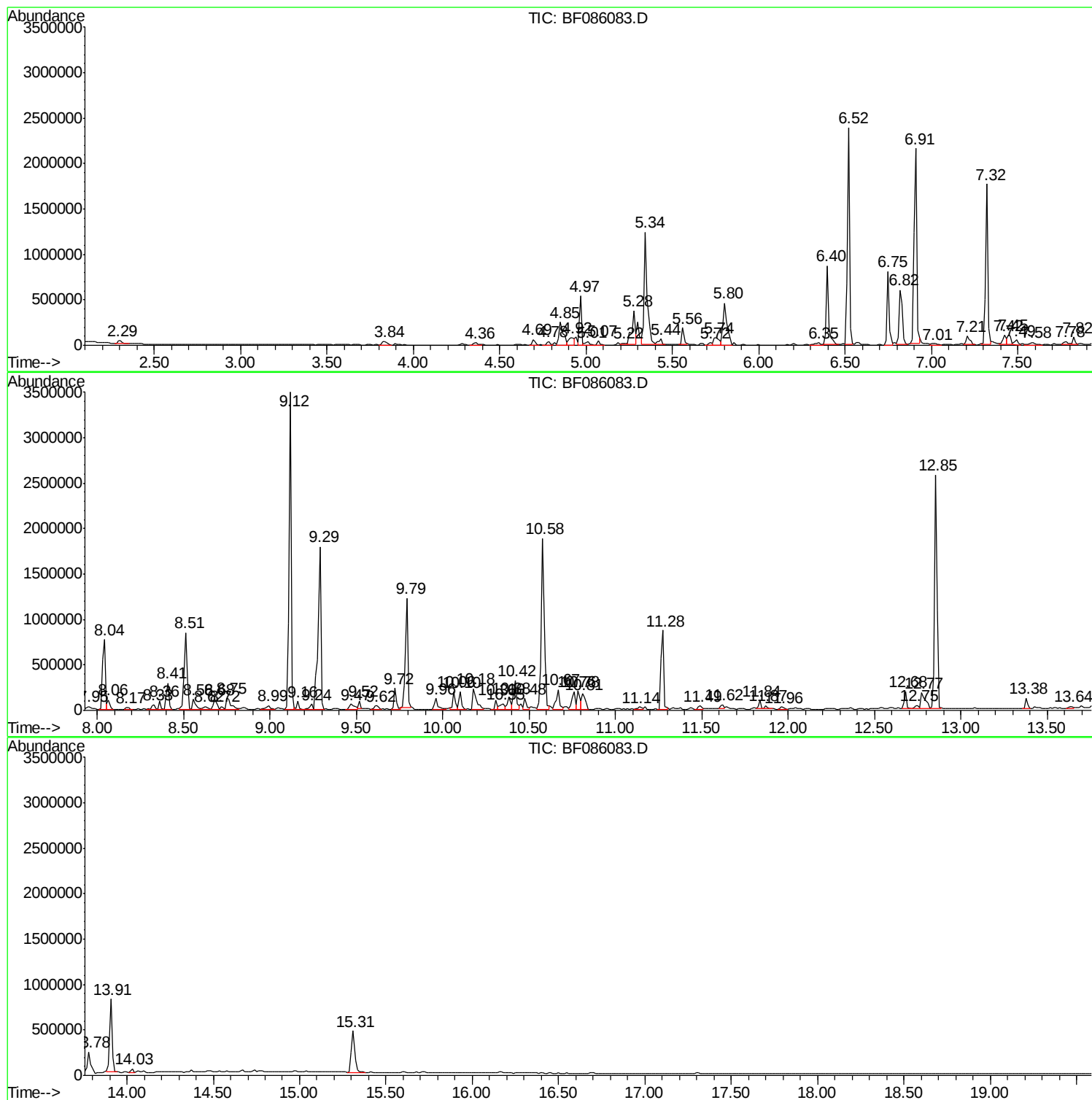
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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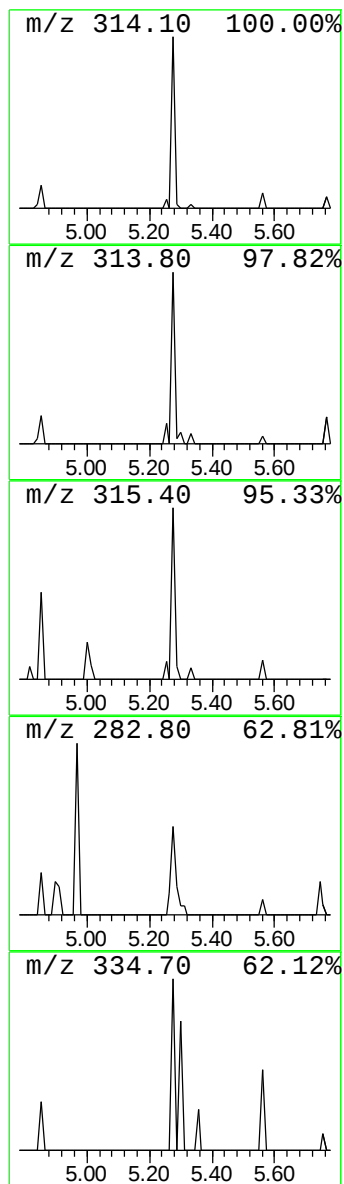
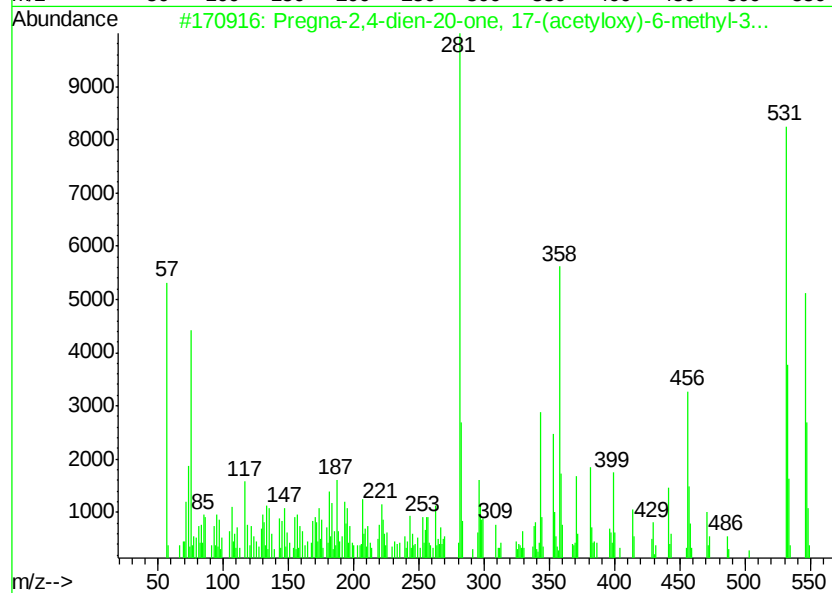
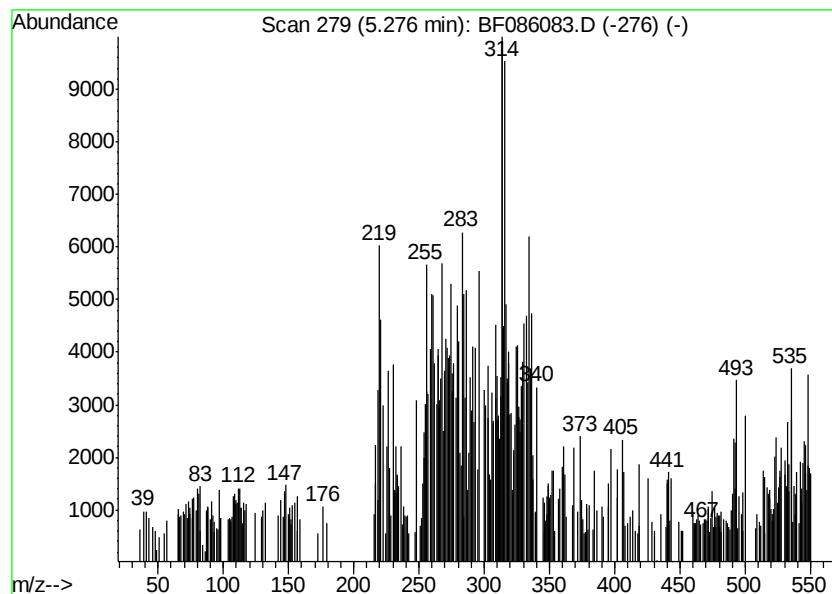
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown5.28 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
5.28	14.63 ng	515578	1,4-Dichlorobenzene-d4		6.75

Hit# of	1	Tentative ID	MW	MolForm	CAS#	Qual
1	Pregna-2,4-dien-20-one, 17-(acet...	546	C30H50O5Si2	069833-57-4	43	



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Instrument :
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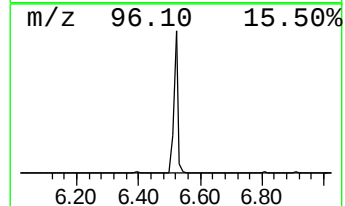
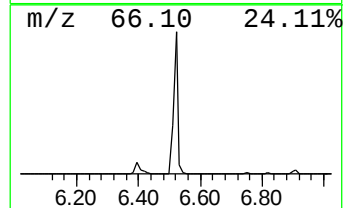
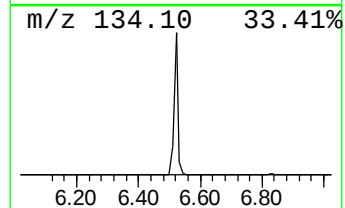
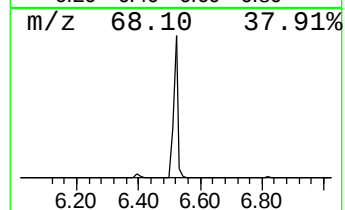
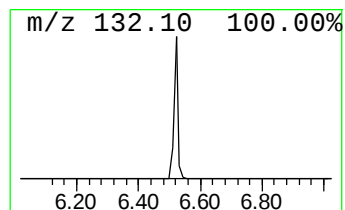
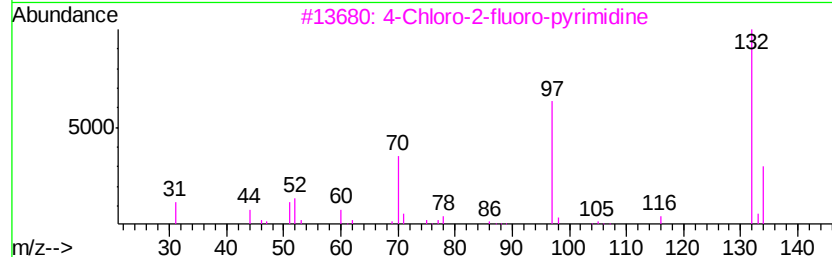
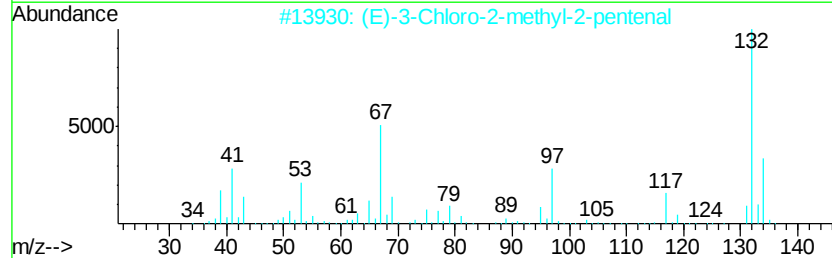
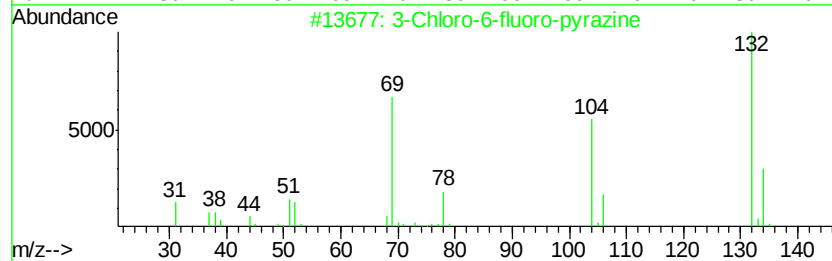
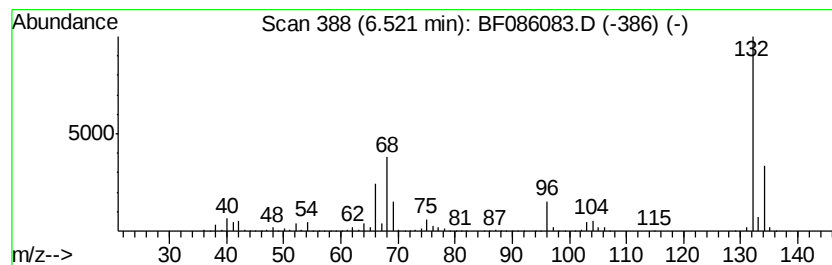
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	63.07 ng	2222980	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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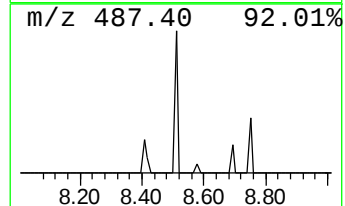
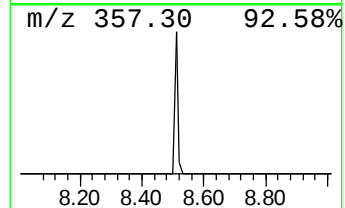
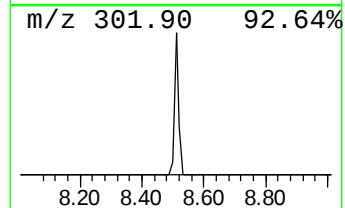
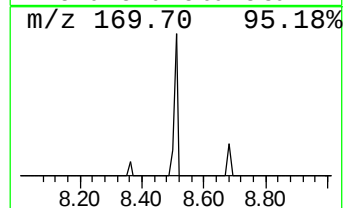
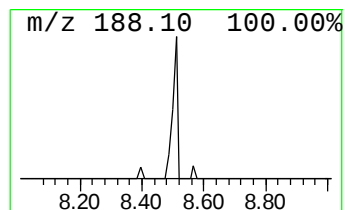
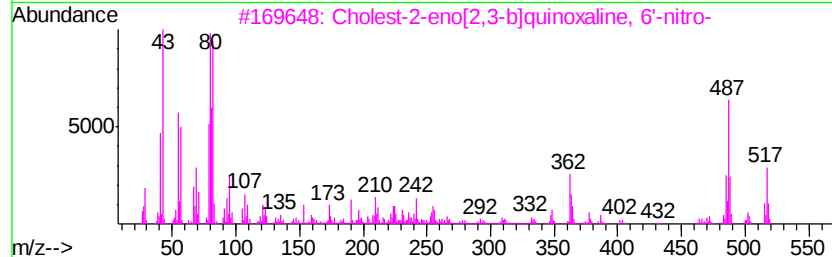
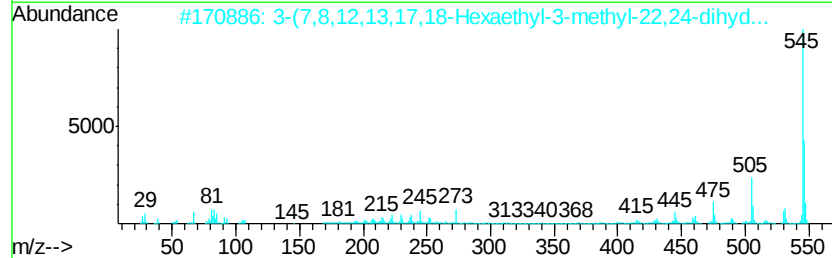
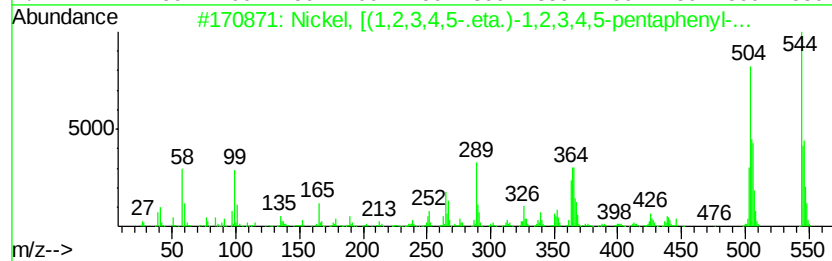
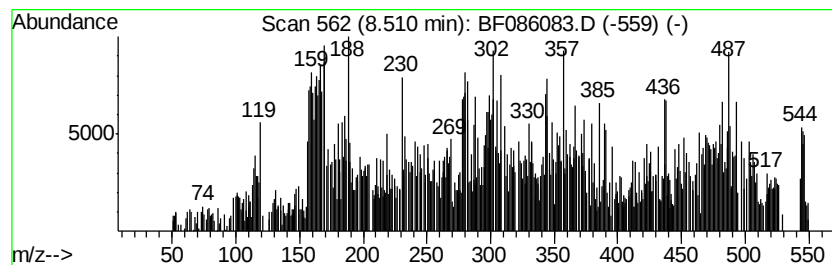
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Peak Number 10 unknown8.51 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.51	22.59 ng	1069060	Napthalene-d8	8.04		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nickel, [(1,2,3,4,5-.eta.)-1,2,3...	544	C38H30Ni	129447-18-3	38	
2	3-(7,8,12,13,17,18-Hexaethyl-3-m...	545	C36H43N5	1000188-65-2	18	
3	Cholest-2-eno[2,3-b]quinoxaline...	517	C33H47N3O2	1000210-60-6	10	
4	N,N-Dioctyl-4-(4-trifluoroacetyl...	545	C31H42F3N3O2	1000188-65-1	7	
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	500	C20H22Br2O5	056336-18-6	7	



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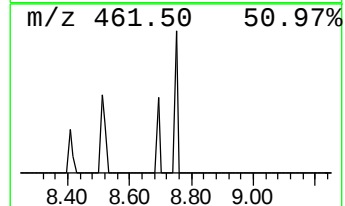
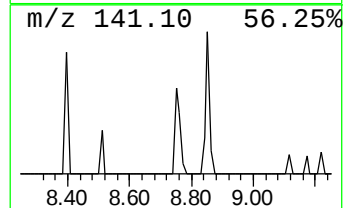
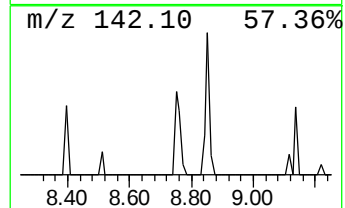
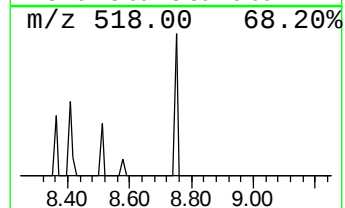
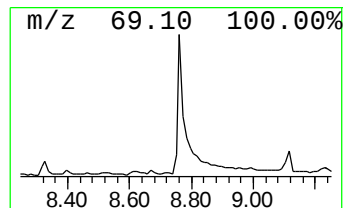
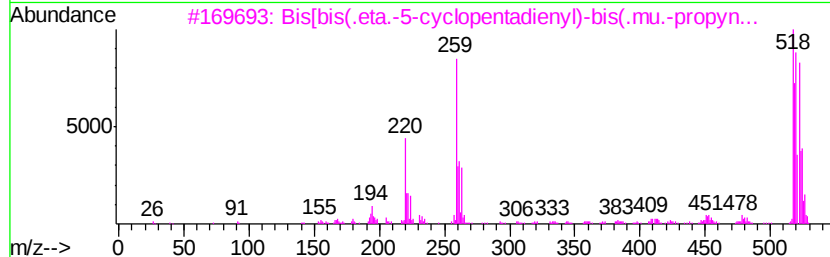
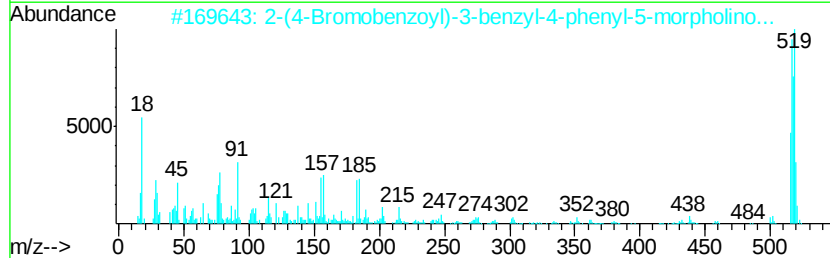
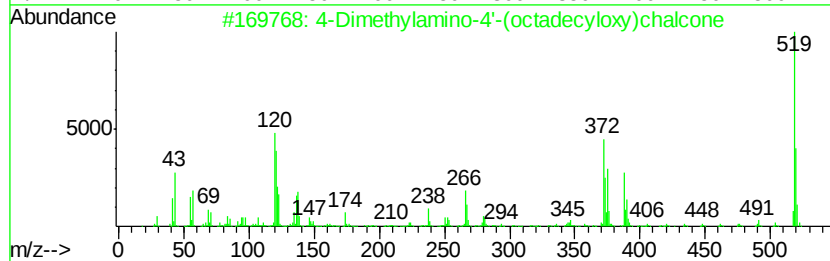
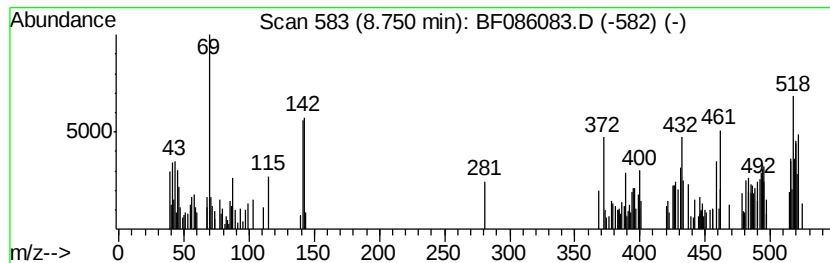
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TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown8.75 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	5.23 ng	247309	Napthalene-d8	8.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	4-Dimethylamino-4'-(octadecyloxy...	519 C35H53N02	122200-51-5	20
2	2-(4-Bromobenzoyl)-3-benzyl-4-ph...	517 C28H24BrN02S	1000286-90-3	12
3	Bis[bis(eta.-5-cyclopentadienyl)...	518 C26H26Zr2	1000159-84-6	9
4	Estra-1,3,5(10)-trien-4-amine, 3...	519 C27H49N03Si3	077883-13-7	9
5	Silane, [[[3.beta.,5.alpha.,20S)...	548 C33H64O2Si2	065598-86-9	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040516\
Data File : BF086083.D
Acq On : 5 Apr 2016 19:36
Operator : UM/SJ
Sample : H2149-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

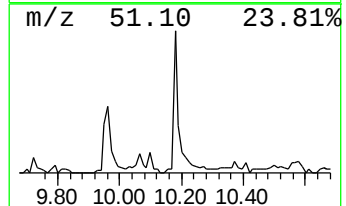
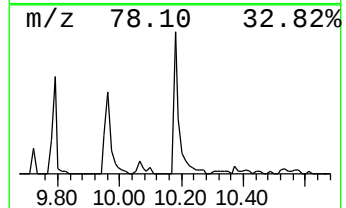
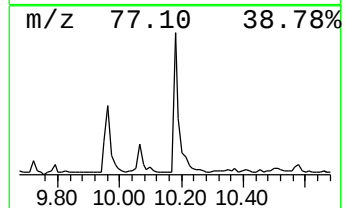
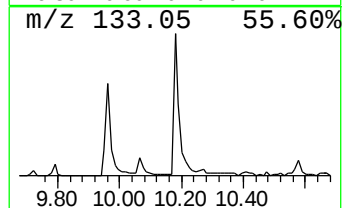
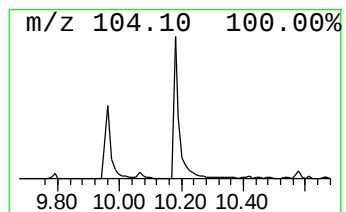
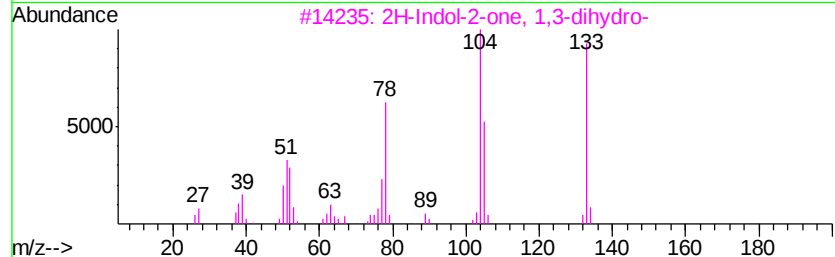
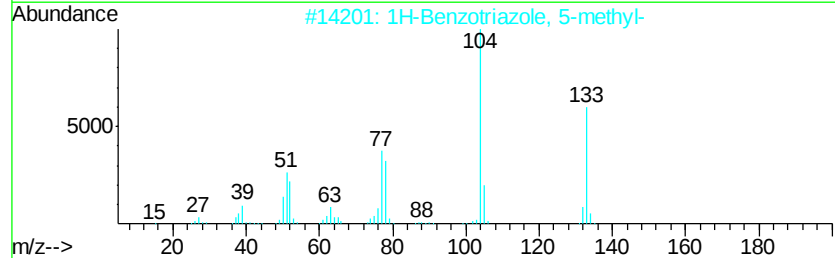
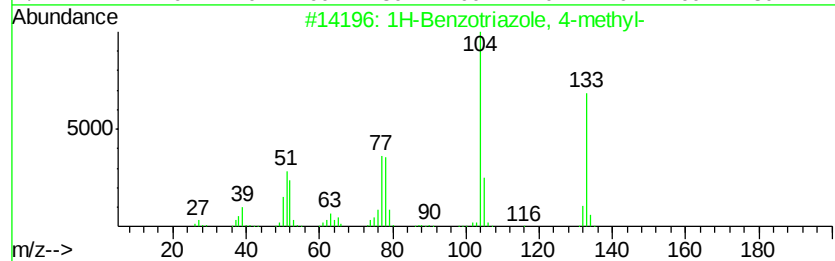
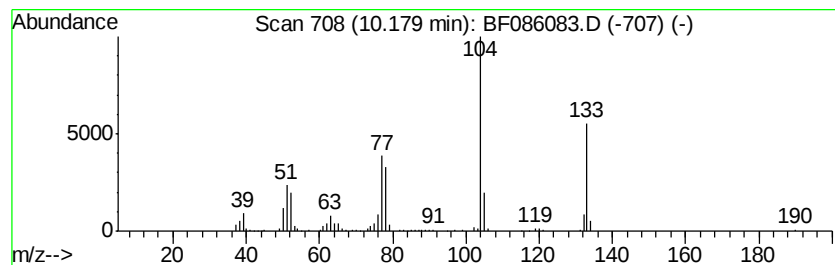
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1H-Benzotriazole, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	6.14 ng	318738	Acenaphthene-d10	9.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzotriazole, 4-methyl-	133	C7H7N3	029878-31-7	98
2		1H-Benzotriazole, 5-methyl-	133	C7H7N3	000136-85-6	97
3		2H-Indol-2-one, 1,3-dihydro-	133	C8H7NO	000059-48-3	58
4		Benzene, 1-azido-2-methyl-	133	C7H7N3	031656-92-5	50
5		Styrene	104	C8H8	000100-42-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086083.D
Acq On : 5 Apr 2016 19:36
Operator : UM/SJ
Sample : H2149-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

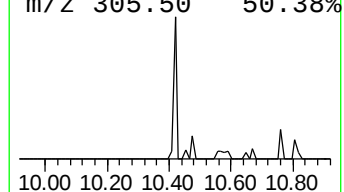
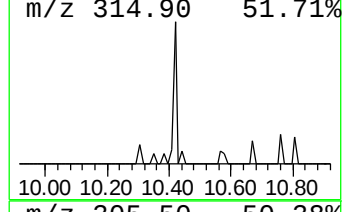
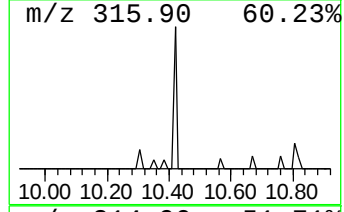
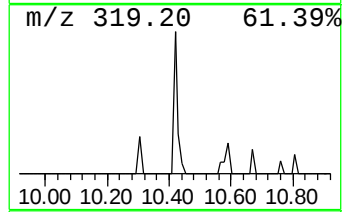
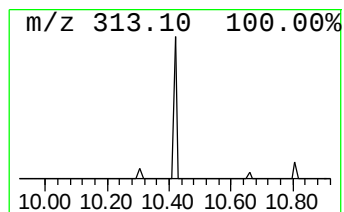
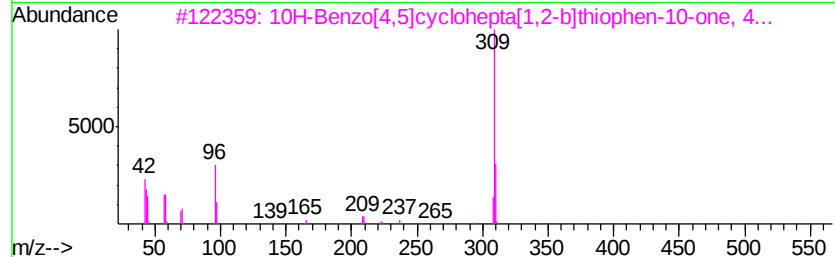
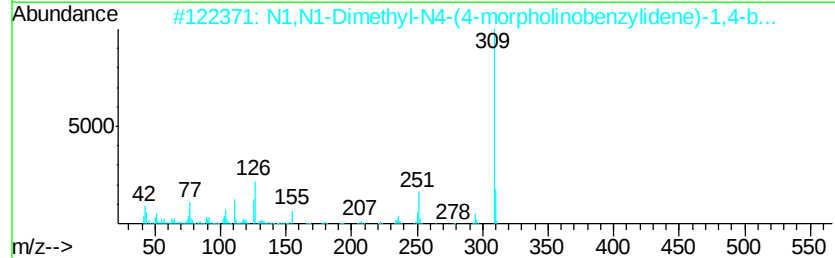
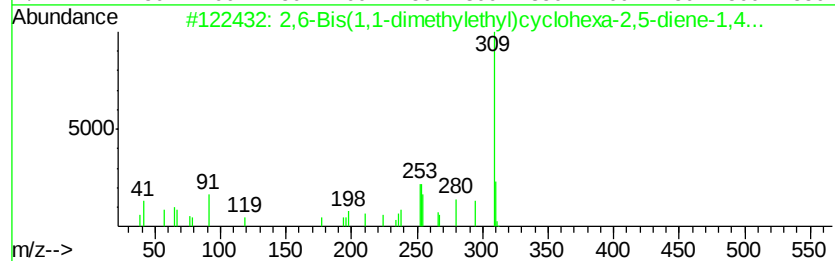
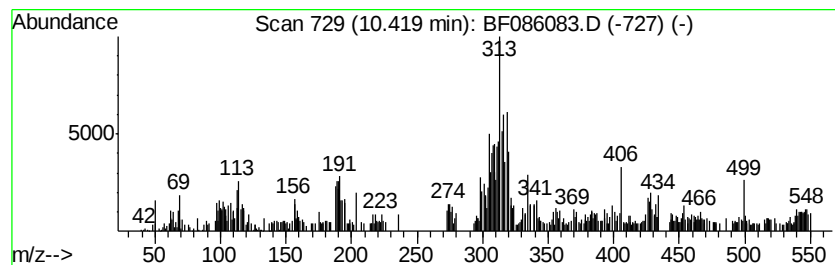
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.42 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	7.83 ng	406461	Acenaphthene-d10	9.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Bis(1,1-dimethylethyl)cyclohexa...	309	C21H27NO	017118-97-7	25		
2	N1,N1-Dimethyl-N4-(4-morpholinobenzylidene)-1,4-benzodioxane	309	C19H23N3O	300865-09-2	22		
3	10H-Benzo[4,5]cyclohepta[1,2-b]thiophene-10-one, 4,5-dimethyl-	309	C19H19NOS	034580-13-7	22		
4	2-Propenoic acid, 3-[4-[(4-methoxyphenyl)ethynyl]phenyl]-	309	C19H19NO3	006421-30-3	22		
5	Indole-3-carboxylic acid, 5-hydroxy-	309	C19H19NO3	005165-44-6	22		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086083.D
Acq On : 5 Apr 2016 19:36
Operator : UM/SJ
Sample : H2149-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

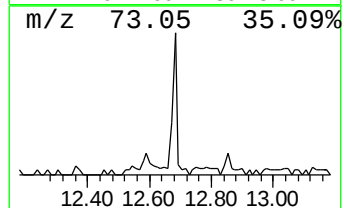
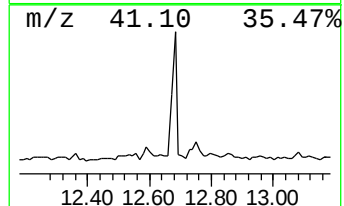
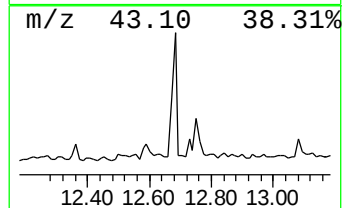
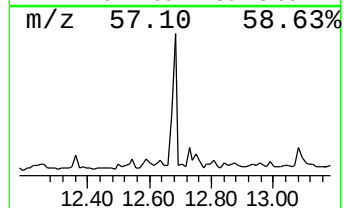
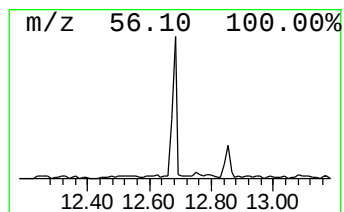
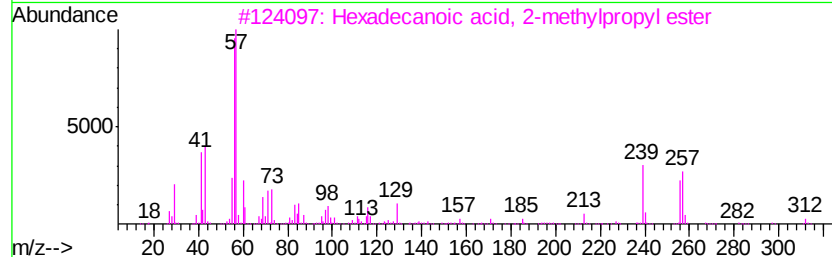
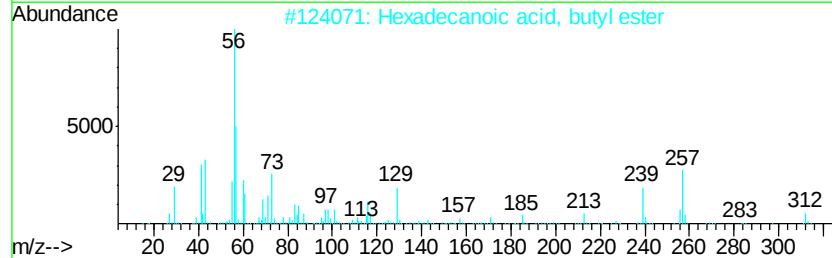
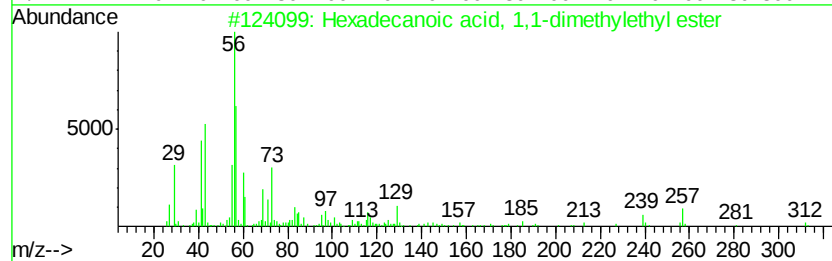
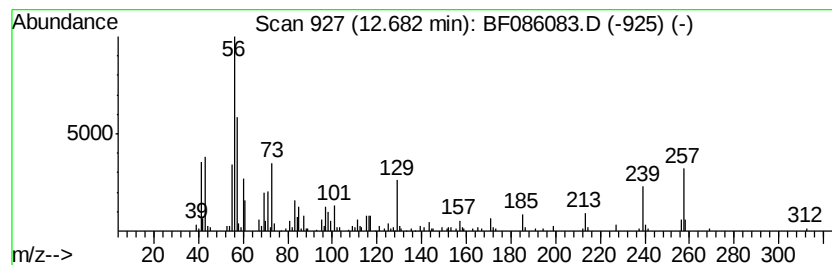
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecanoic acid, 1,1-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	4.95 ng	176889	Chrysene-d12	13.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	95
2			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
3			Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	53
4			Nipecotic acid	129	C6H11NO2	000498-95-3	47
5			3-Amino-2,2-dimethyl-1-propanol	103	C5H13NO	026734-09-8	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086083.D
Acq On : 5 Apr 2016 19:36
Operator : UM/SJ
Sample : H2149-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

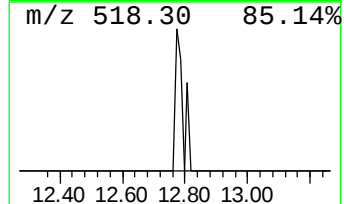
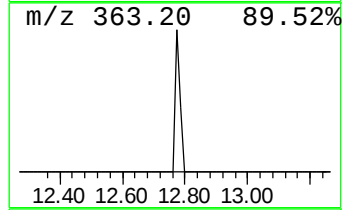
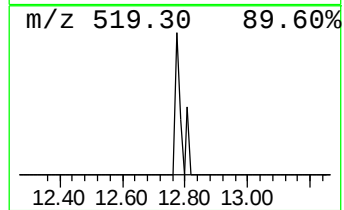
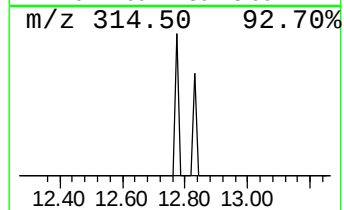
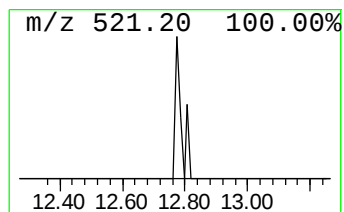
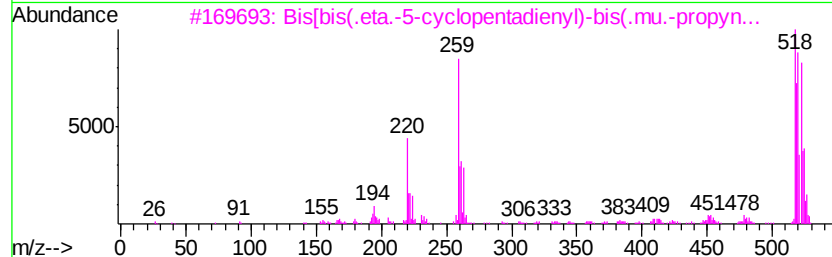
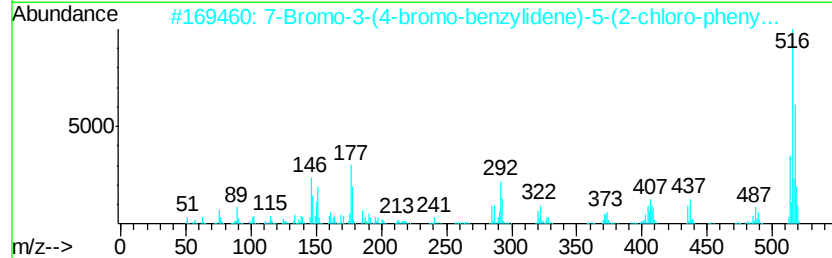
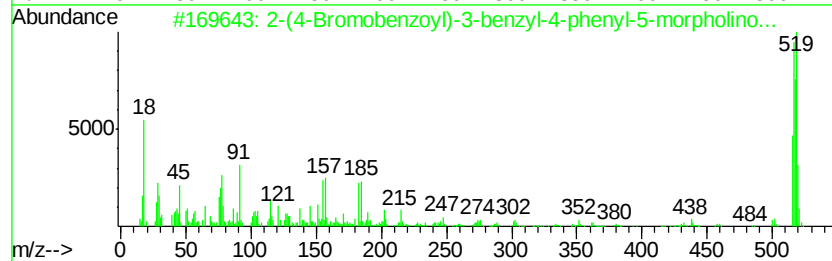
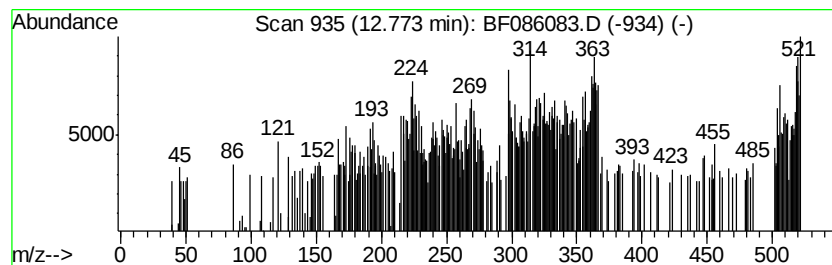
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown12.77 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	8.33 ng	297486	Chrysene-d12	13.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(4-Bromobenzoyl)-3-benzyl-4-ph...	517	C28H24BrN02S	1000286-90-3	25
2		7-Bromo-3-(4-bromo-benzylidene)-...	514	C22H13Br2ClN2O	324526-44-5	11
3		Bis[bis(eta.-5-cyclopentadienyl)...]	518	C26H26Zr2	1000159-84-6	10
4		5-[(2-Pyridylmethyleme)amino]-2'...	518	C32H22N8	294651-18-6	10
5		1,3,5,7,9,11,13-Heptaethyl-5,9,1...	546	C14H38O9Si7	080177-43-1	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086083.D
Acq On : 5 Apr 2016 19:36
Operator : UM/SJ
Sample : H2149-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
51-35-REEDER-DISCHARGE

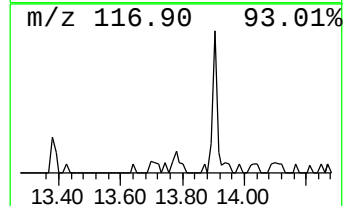
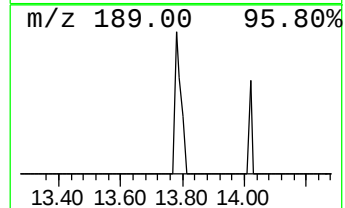
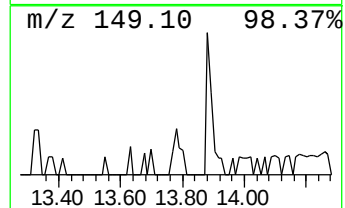
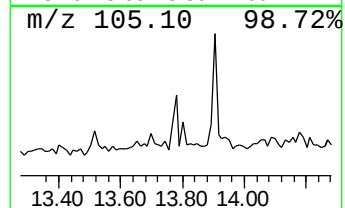
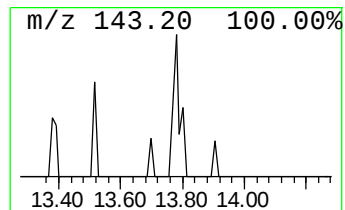
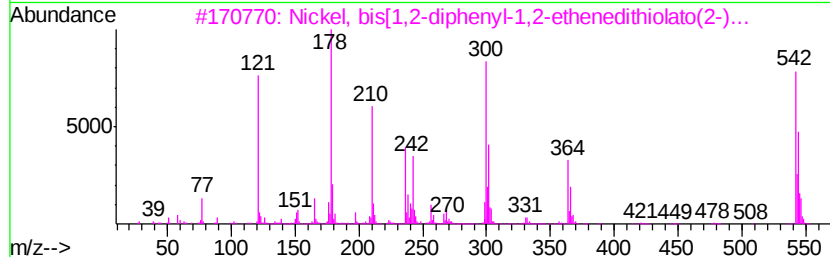
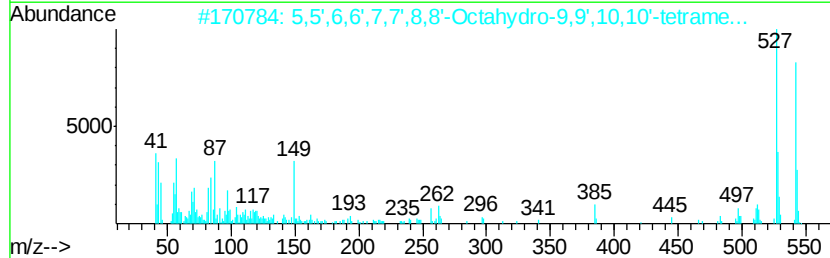
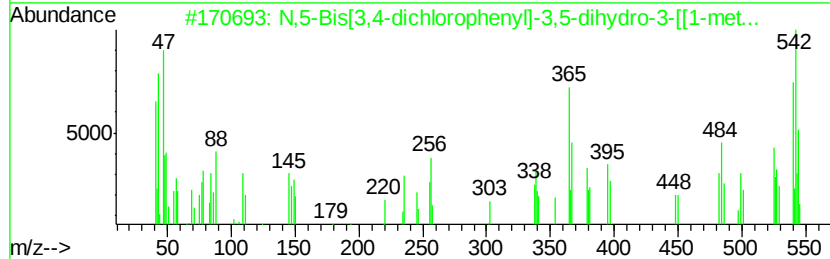
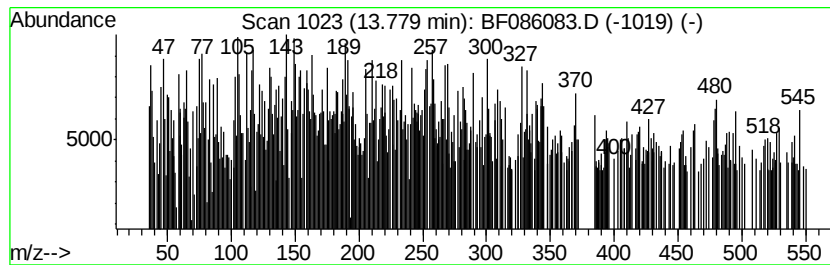
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown13.78 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	9.04 ng	322897	Chrysene-d12	13.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N,5-Bis[3,4-dichlorophenyl]-3,5-...	540	C27H20Cl4N4	333399-40-9	41
2		5,5',6,6',7,7',8,8'-Octahydro-9,...	542	C32H30O8	099968-11-3	22
3		Nickel, bis[1,2-diphenyl-1,2-eth...	542	C28H20NiS4	028984-20-5	15
4		1(3H)-Isobenzofuranone, 3,3'-(4-...	542	C34H22O7	055517-70-9	11
5		Anthra[2,1,9-def:6,5,10-d'e'f']d...	542	C36H18N2O4	000128-65-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
Data File : BF086083.D
Acq On : 5 Apr 2016 19:36
Operator : UM/SJ
Sample : H2149-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
51-35-REEDER-DISCHARGE

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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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					#	RT	Resp	Conc
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unknown6.52	6.52	63.1	ng	2222980	1	6.75	704922	20.0
unknown8.51	8.51	22.6	ng	1069060	2	8.04	946544	20.0
unknown8.75	8.75	5.2	ng	247309	2	8.04	946544	20.0
1H-Benzotriazole,...	10.18	6.1	ng	318738	3	9.79	1037850	20.0
unknown10.42	10.42	7.8	ng	406461	3	9.79	1037850	20.0
Hexadecanoic acid...	12.68	5.0	ng	176889	5	13.90	714490	20.0
unknown12.77	12.77	8.3	ng	297486	5	13.90	714490	20.0
unknown13.78	13.78	9.0	ng	322897	5	13.90	714490	20.0