

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
 Data File : BF085490.D
 Acq On : 17 Mar 2016 4:48
 Operator : UM/SJ
 Sample : H1796-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB04(5-8)

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-BF031516.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.499	276	281	285	rBV2	34030	69857	5.76%	0.339%
2	6.527	369	371	379	rVB	61026	116059	9.57%	0.564%
3	6.664	379	383	385	rBV	71286	61657	5.08%	0.299%
4	6.904	401	404	406	rBV	531300	705156	58.13%	3.424%
5	7.053	415	417	421	rVB	58064	52702	4.34%	0.256%
6	7.156	423	426	430	rVV	49932	60447	4.98%	0.293%
7	7.304	437	439	445	rBV	56910	61521	5.07%	0.299%
8	7.464	450	453	455	rBV	24228	32204	2.65%	0.156%
9	7.956	495	496	500	rBV	37123	41542	3.42%	0.202%
10	8.185	514	516	520	rBV2	1166282	1213043	100.00%	5.890%
11	8.722	562	563	564	rBV2	1191624	817561	67.40%	3.970%
12	8.905	577	579	582	rVB	31884	61272	5.05%	0.298%
13	9.259	608	610	612	rVV	96716	74409	6.13%	0.361%
14	9.556	635	636	637	rBV	147179	101452	8.36%	0.493%
15	9.602	637	640	641	rBV	31399	32911	2.71%	0.160%
16	9.853	660	662	667	rBV	17983	40324	3.32%	0.196%
17	9.945	667	670	672	rBV	941815	986122	81.29%	4.788%
18	10.139	685	687	690	rVV	60078	83384	6.87%	0.405%
19	10.230	694	695	696	rVB	49922	34246	2.82%	0.166%
20	10.368	706	707	711	rVB2	37967	42075	3.47%	0.204%
21	10.482	716	717	720	rVV	142571	171630	14.15%	0.833%
22	10.722	735	738	741	rBV3	68969	111003	9.15%	0.539%
23	10.848	746	749	752	rBV	39999	56944	4.69%	0.276%
24	11.031	762	765	767	rBV	36076	49980	4.12%	0.243%
25	11.293	784	788	789	rBV2	30397	43752	3.61%	0.212%
26	11.316	789	790	794	rVB	51438	60828	5.01%	0.295%
27	11.419	797	799	800	rBV	590039	795442	65.57%	3.862%
28	11.453	800	802	804	rVV	791769	991173	81.71%	4.813%
29	11.499	804	806	808	rVV	484731	405358	33.42%	1.968%
30	11.648	816	819	823	rBV2	87907	149195	12.30%	0.724%
31	11.716	823	825	827	rBV	37897	35721	2.94%	0.173%
32	11.922	841	843	844	rBV	100757	90308	7.44%	0.438%
33	11.956	844	846	848	rVV	116327	116088	9.57%	0.564%
34	12.002	848	850	851	rVV	56154	47642	3.93%	0.231%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.036	851	853	857	rVV2	196016	245300	20.22%	1.191%
36	12.219	867	869	873	rVB	65542	72013	5.94%	0.350%
37	12.516	893	895	897	rVV2	25256	42388	3.49%	0.206%
38	12.574	897	900	901	rVV3	31881	47507	3.92%	0.231%
39	12.631	903	905	908	rBV	539398	578022	47.65%	2.807%
40	12.722	908	913	916	rVV	61315	114414	9.43%	0.556%
41	12.859	922	925	928	rVV2	372458	505902	41.71%	2.456%
42	12.916	928	930	932	rVB	30187	33373	2.75%	0.162%
43	13.008	932	938	940	rBV3	60484	120864	9.96%	0.587%
44	13.088	940	945	946	rVB3	28246	60873	5.02%	0.296%
45	13.156	948	951	953	rBV3	39773	77157	6.36%	0.375%
46	13.191	953	954	956	rVV	117759	90306	7.44%	0.438%
47	13.259	956	960	961	rVV	121912	127717	10.53%	0.620%
48	13.294	961	963	965	rVB	61715	63719	5.25%	0.309%
49	13.351	967	968	973	rBV3	47005	97455	8.03%	0.473%
50	13.419	973	974	981	rVB2	25832	47209	3.89%	0.229%
51	13.614	986	991	994	rBV4	15651	41818	3.45%	0.203%
52	14.059	1027	1030	1031	rBV2	782537	906621	74.74%	4.402%
53	14.277	1047	1049	1053	rVB2	84273	150748	12.43%	0.732%
54	14.448	1059	1064	1065	rBV	44257	75194	6.20%	0.365%
55	14.539	1068	1072	1073	rBV	40835	62722	5.17%	0.305%
56	14.608	1075	1078	1083	rVV4	50193	174258	14.37%	0.846%
57	14.722	1083	1088	1090	rVV5	94577	134244	11.07%	0.652%
58	14.768	1090	1092	1096	rVB4	22005	37698	3.11%	0.183%
59	15.088	1117	1120	1124	rBV	159658	333158	27.46%	1.618%
60	15.191	1127	1129	1135	rVB2	54017	76097	6.27%	0.369%
61	15.385	1141	1146	1149	rVB	85004	153592	12.66%	0.746%
62	15.442	1149	1151	1154	rBV	160336	255145	21.03%	1.239%
63	15.511	1154	1157	1159	rBV	477233	766931	63.22%	3.724%
64	16.208	1212	1218	1221	rBV4	38839	107129	8.83%	0.520%
65	16.288	1223	1225	1227	rBV3	204815	335714	27.68%	1.630%
66	16.334	1227	1229	1230	rVV2	87471	121836	10.04%	0.592%
67	16.380	1231	1233	1234	rVV2	44872	60242	4.97%	0.293%
68	16.448	1236	1239	1245	rVB7	109423	345722	28.50%	1.679%
69	16.551	1247	1248	1250	rBV2	137058	248049	20.45%	1.204%
70	16.654	1255	1257	1260	rVV3	181398	377828	31.15%	1.835%
71	16.700	1260	1261	1266	rVV4	186027	291803	24.06%	1.417%

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72	16.803	1268	1270	1271	rVV2	26638	38039	3.14%	0.185%
73	16.825	1271	1272	1274	rVV2	24875	35561	2.93%	0.173%
74	16.894	1274	1278	1279	rVV4	189650	416752	34.36%	2.024%
75	16.928	1279	1281	1285	rVV2	231587	624861	51.51%	3.034%
76	16.985	1285	1286	1289	rVV3	181209	358622	29.56%	1.741%
77	17.065	1289	1293	1296	rVV4	253485	671914	55.39%	3.262%
78	17.123	1296	1298	1299	rVV2	50043	55821	4.60%	0.271%
79	17.157	1299	1301	1302	rVV	51883	72388	5.97%	0.351%
80	17.191	1302	1304	1305	rVV2	77402	124976	10.30%	0.607%
81	17.237	1305	1308	1309	rVV2	164625	368183	30.35%	1.788%
82	17.271	1309	1311	1314	rVV4	321741	578614	47.70%	2.809%
83	17.328	1314	1316	1318	rVV2	260059	372248	30.69%	1.807%
84	17.374	1318	1320	1323	rVV	142399	285484	23.53%	1.386%
85	17.443	1323	1326	1328	rVV3	150485	243302	20.06%	1.181%
86	17.488	1328	1330	1331	rVV2	35872	45807	3.78%	0.222%
87	17.523	1331	1333	1334	rVV2	25528	40646	3.35%	0.197%
88	17.568	1334	1337	1341	rVV3	66908	159678	13.16%	0.775%
89	17.625	1341	1342	1344	rVV	65703	54352	4.48%	0.264%
90	17.683	1344	1347	1353	rVB7	72616	116446	9.60%	0.565%
91	18.026	1373	1377	1381	rBV3	46788	85377	7.04%	0.415%
92	18.266	1397	1398	1400	rVV	62828	59163	4.88%	0.287%
93	18.346	1403	1405	1407	rVB	38263	39591	3.26%	0.192%
94	18.391	1407	1409	1412	rVB4	53391	46827	3.86%	0.227%
95	18.483	1412	1417	1419	rBV6	38970	91537	7.55%	0.444%
96	19.077	1465	1469	1471	rBV4	65087	107006	8.82%	0.520%
97	19.294	1486	1488	1490	rBV3	70878	80489	6.64%	0.391%
98	19.363	1492	1494	1498	rBV5	26540	34078	2.81%	0.165%
99	19.466	1500	1503	1505	rVB4	89887	133291	10.99%	0.647%
100	19.534	1505	1509	1510	rBV4	28722	60608	5.00%	0.294%

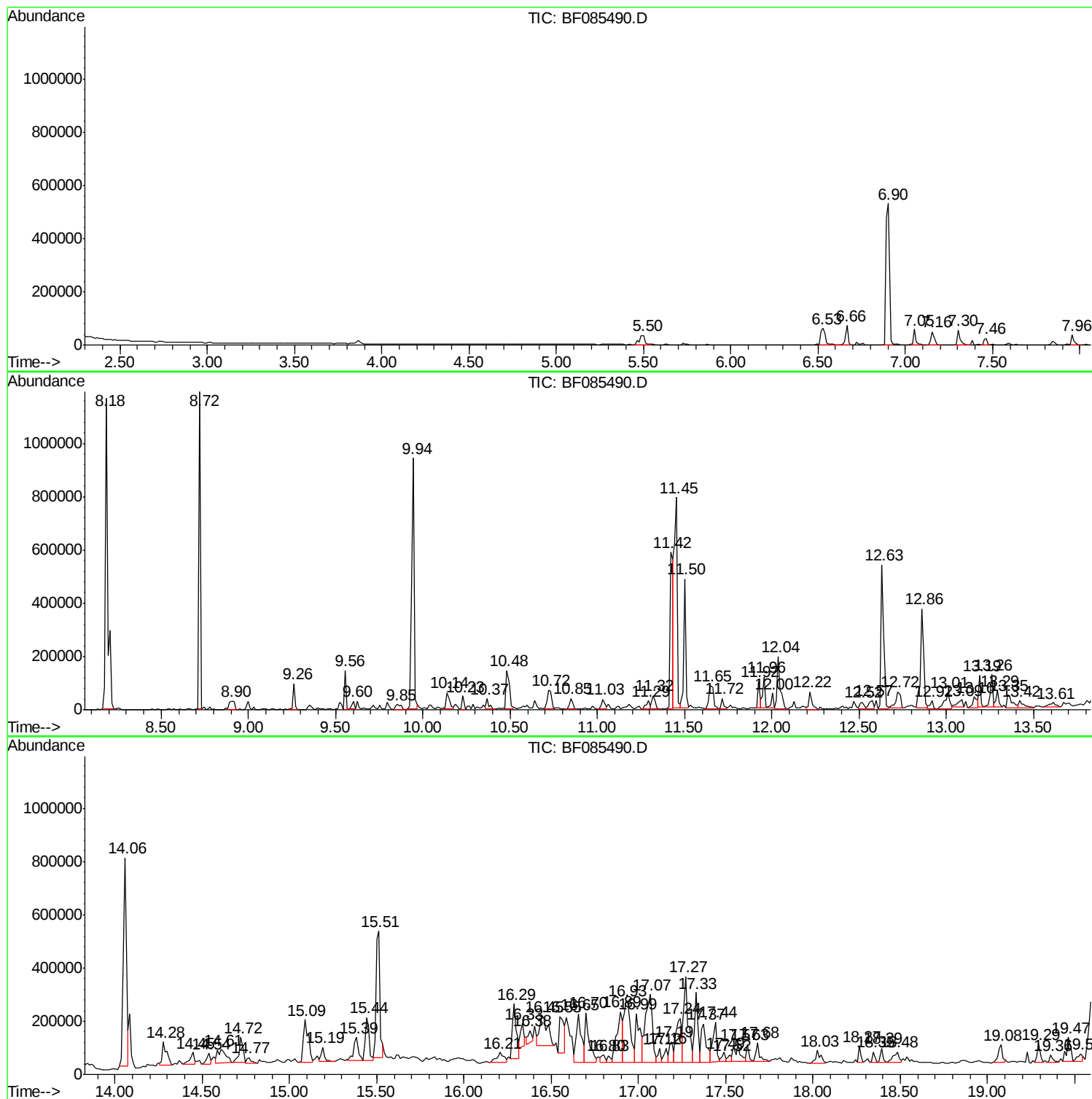
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Instrument :
BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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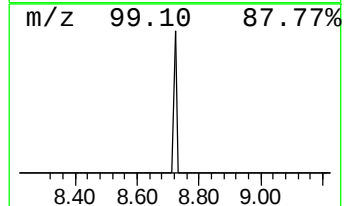
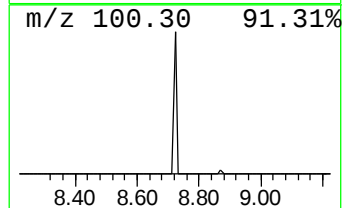
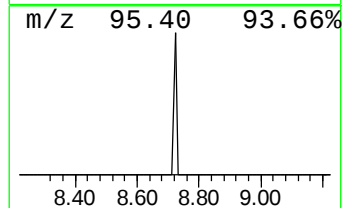
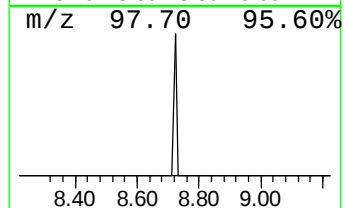
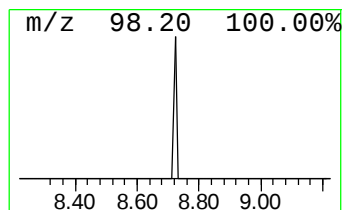
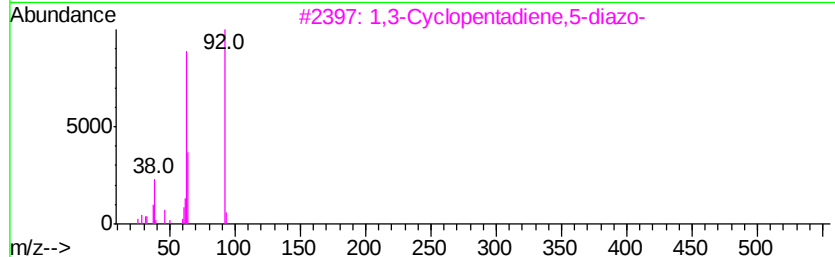
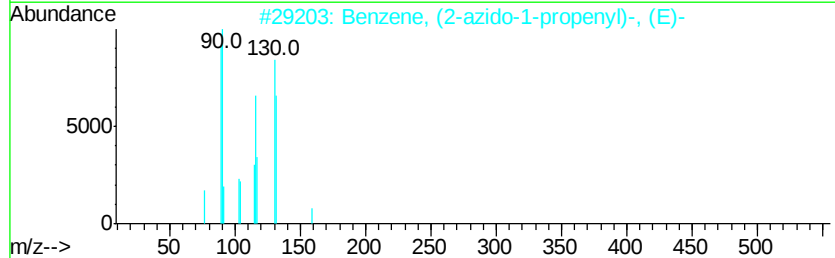
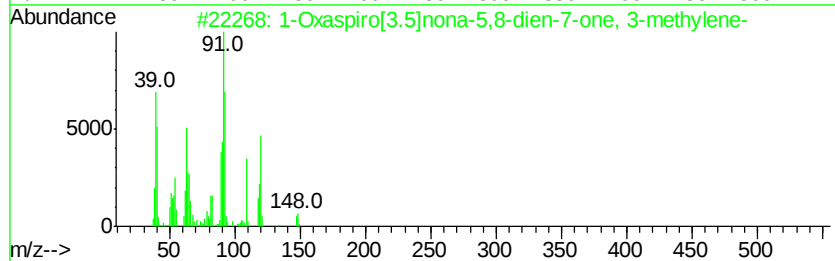
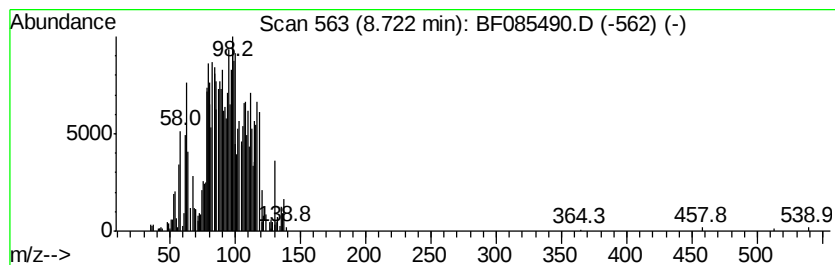
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown8.72 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	13.48 ng	817561	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Oxaspiro[3.5]nona-5,8-dien-7-o...	148	C9H8O2	115077-69-5	38
2		Benzene, (2-azido-1-propenyl)-, ...	159	C9H9N3	020544-84-7	14
3		1,3-Cyclopentadiene,5-diazo-	92	C5H4N2	001192-27-4	14
4		Bicyclo[3.2.0]hept-3-en-2-one	108	C7H8O	019093-11-9	11
5		Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	11



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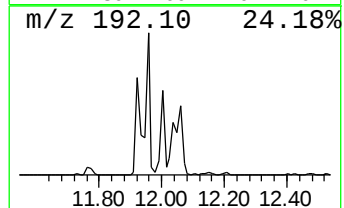
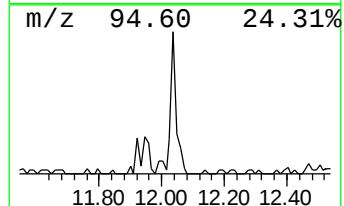
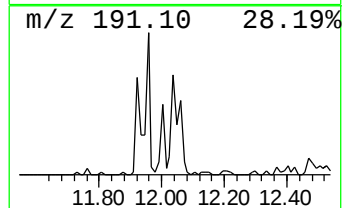
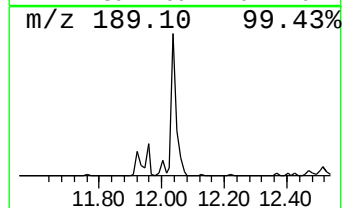
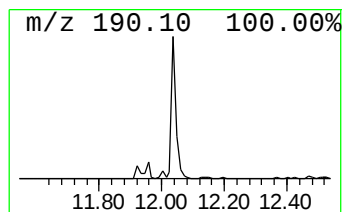
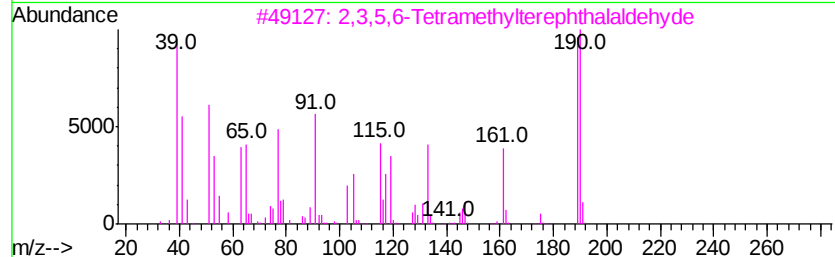
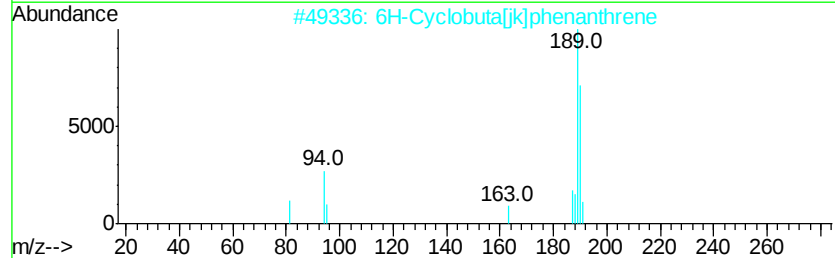
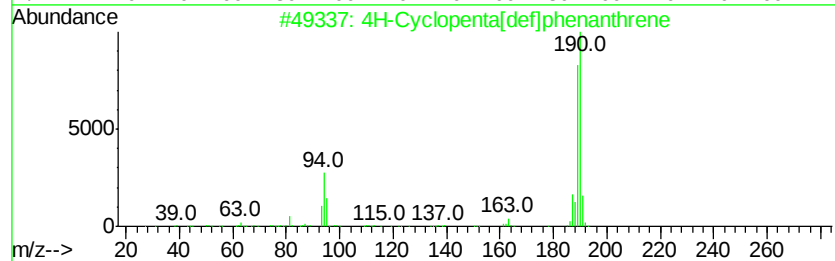
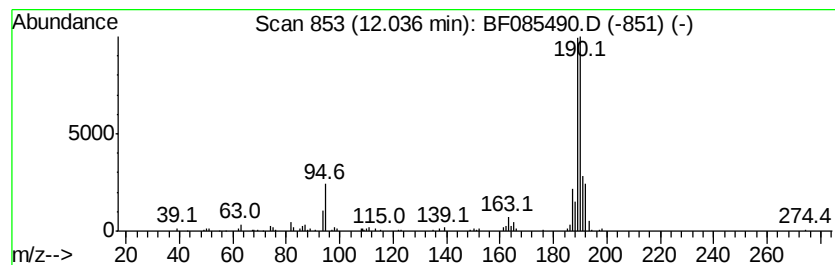
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.04	6.17 ng	245300	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	10



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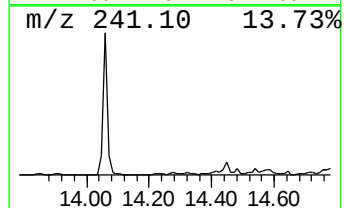
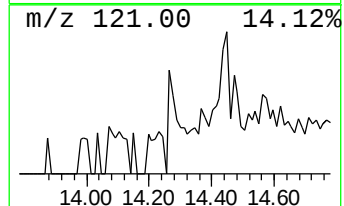
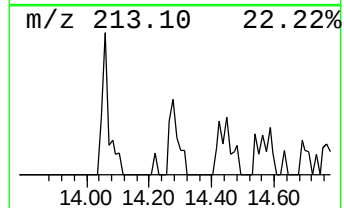
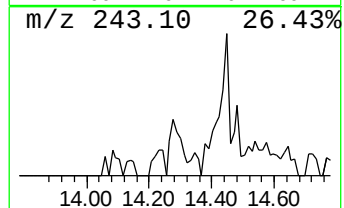
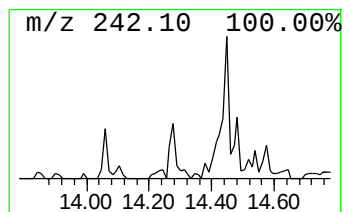
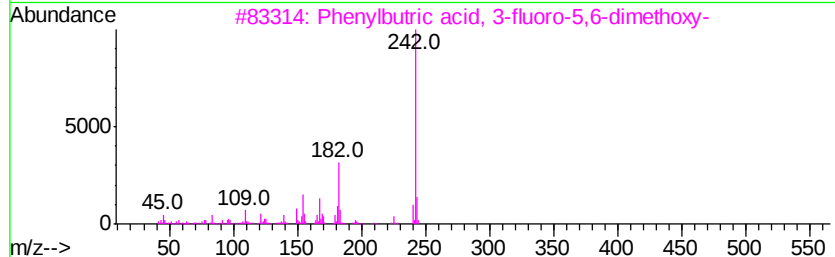
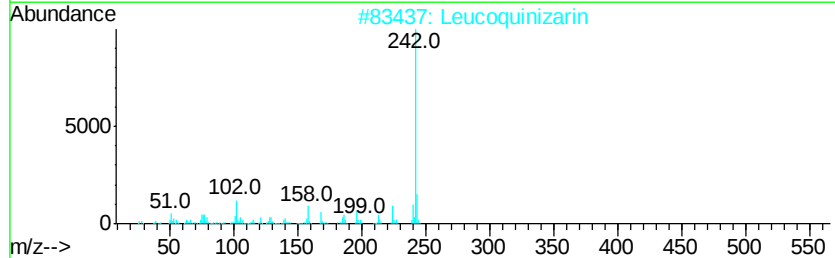
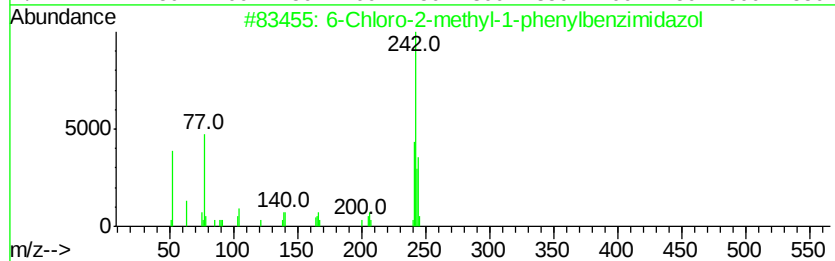
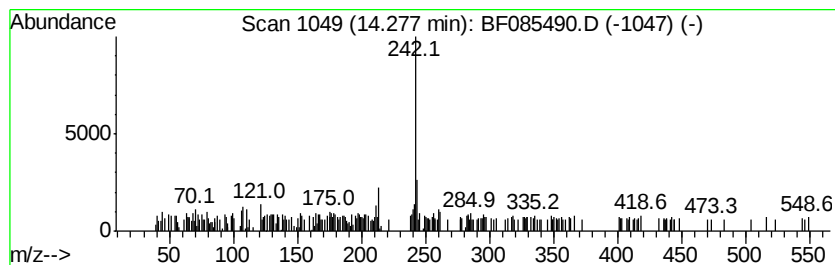
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown14.28 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	3.33 ng	150748	Chrysene-d12	14.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Chloro-2-methyl-1-phenylbenzimidazole	242	C14H11ClN2	051011-13-3	46
2		Leucoquinizarin	242	C14H10O4	000476-60-8	46
3		Phenylbutric acid, 3-fluoro-5,6-dimethoxy-	242	C12H15F04	107756-61-6	46
4		Pyridazino[4,5-a]phthalazine-1,6-dione	242	C12H10N4O2	312520-09-5	46
5		Lumichrome	242	C12H10N4O2	001086-80-2	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085490.D
Acq On : 17 Mar 2016 4:48
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

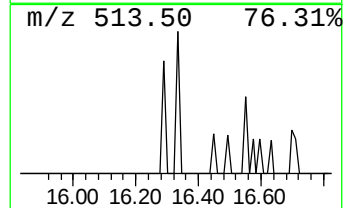
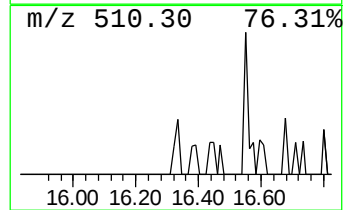
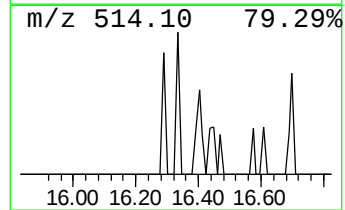
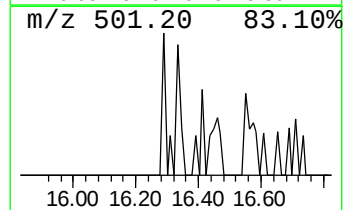
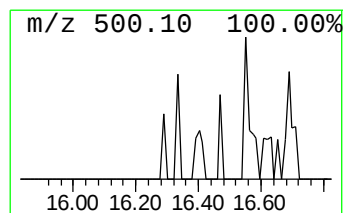
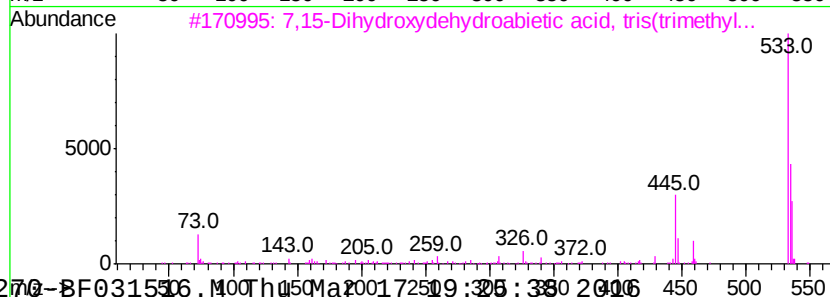
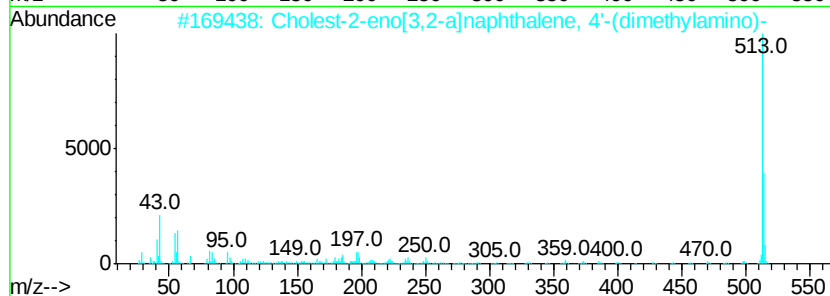
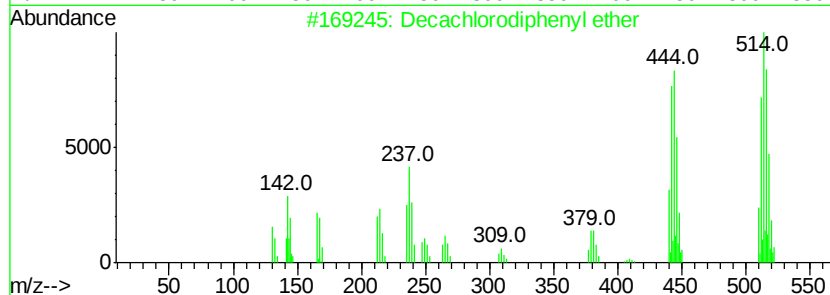
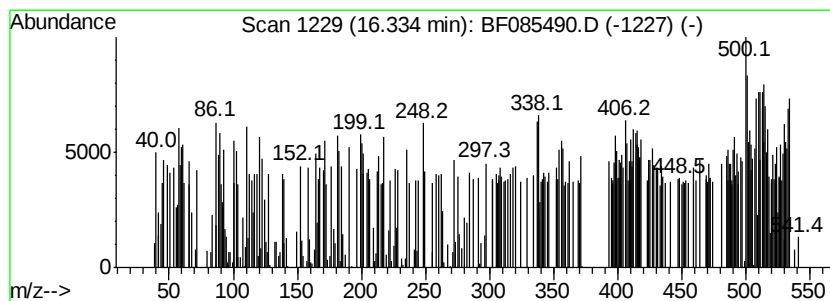
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Decachlorodiphenyl ether Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	3.18 ng	121836	Perylene-d12	15.51

Hit# of	4	Tentative ID	MW	MolForm	CAS#	Qual
1		Decachlorodiphenyl ether	510	C12Cl100	031710-30-2	59
2		Cholest-2-enof[3,2-a]naphthalene,...	513	C37H55N	1000210-99-3	10
3		7,15-Dihydroxydehydroabiestic aci...	548	C29H52O4Si3	1000292-80-3	4
4		Heptamethylvinylloctasilsesquioxane	548	C9H24O12Si8	119329-56-5	1



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085490.D
Acq On : 17 Mar 2016 4:48
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AOU2-SB04(5-8)

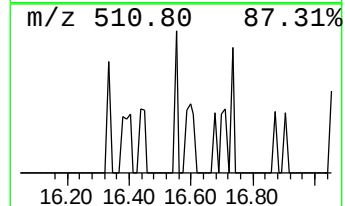
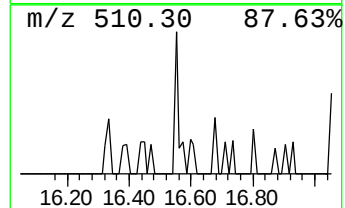
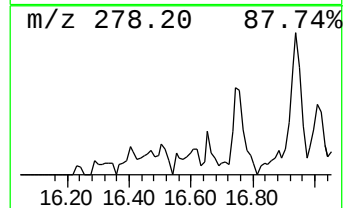
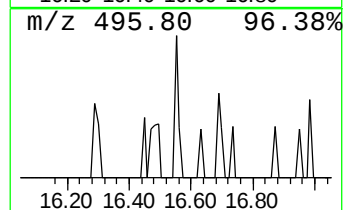
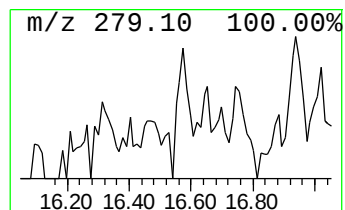
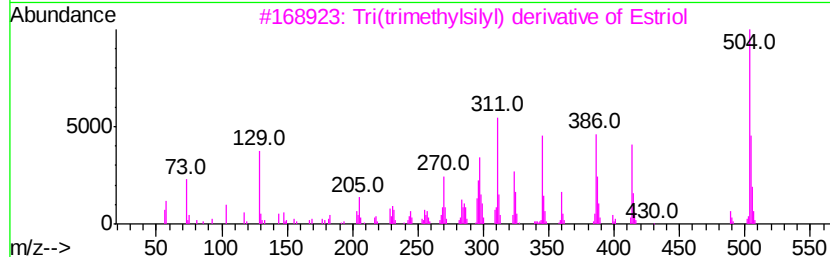
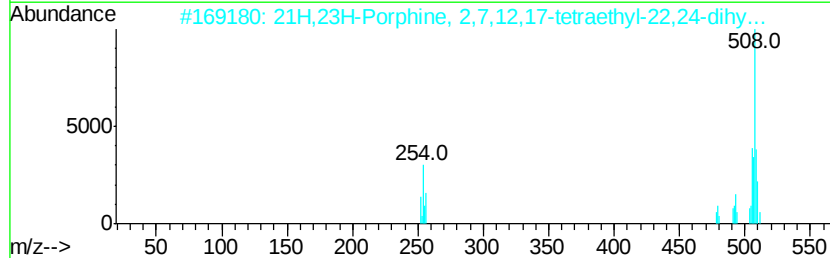
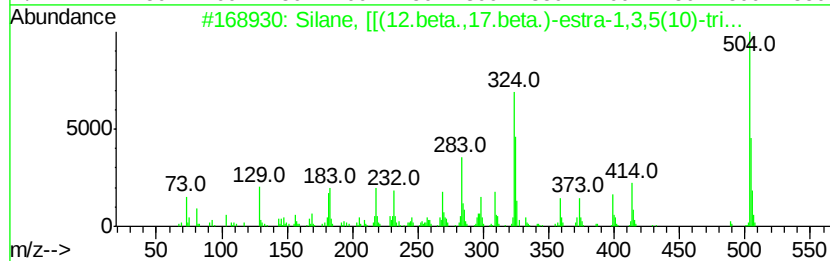
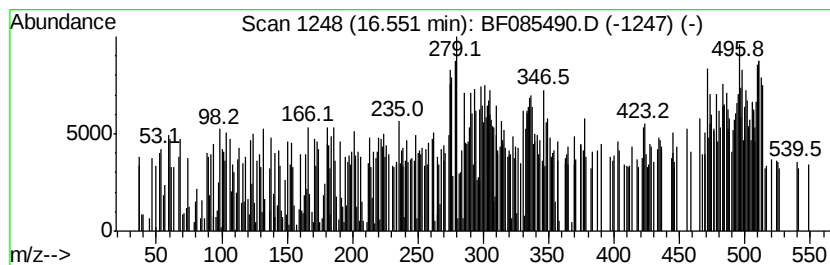
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown16.55 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.47 ng	248049	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silane, [[(12.beta.,17.beta.)-es...	504	C27H48O3Si3	069597-47-3	25
2		21H,23H-Porphine, 2,7,12,17-tetr...	508	C34H44N4	056630-99-0	11
3		Tri(trimethylsilyl) derivative o...	504	C27H48O3Si3	018888-17-0	11
4		Silane, [[(16.beta.,17.beta.)-es...	504	C27H48O3Si3	057305-21-2	10
5		2,2'-Ethylenebis(4-amyloxyphenyl...	510	C32H38N4O2	252572-91-1	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085490.D
Acq On : 17 Mar 2016 4:48
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

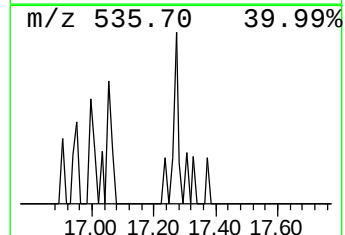
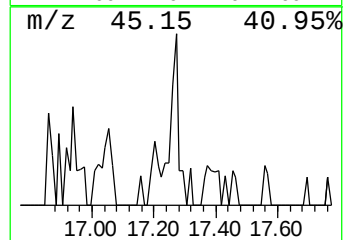
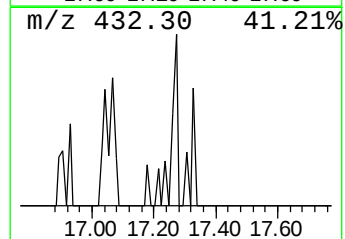
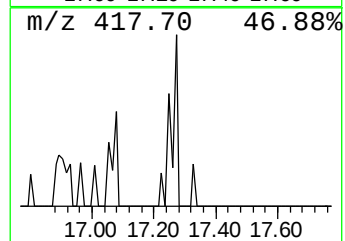
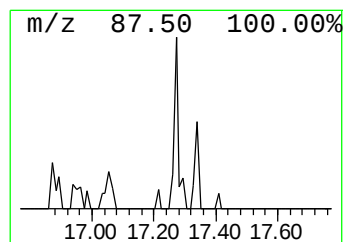
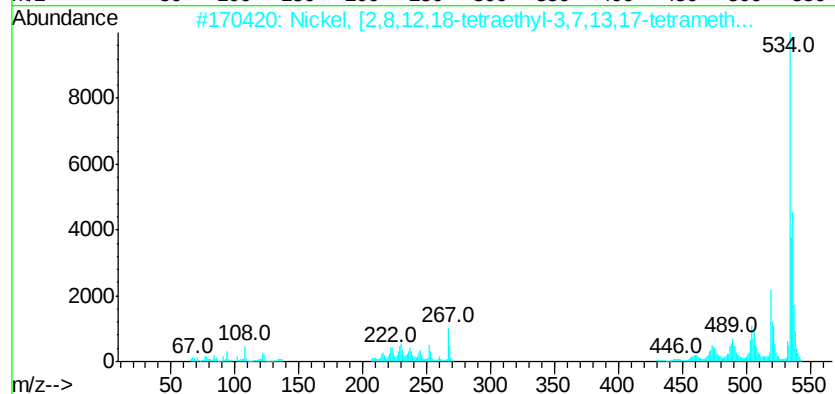
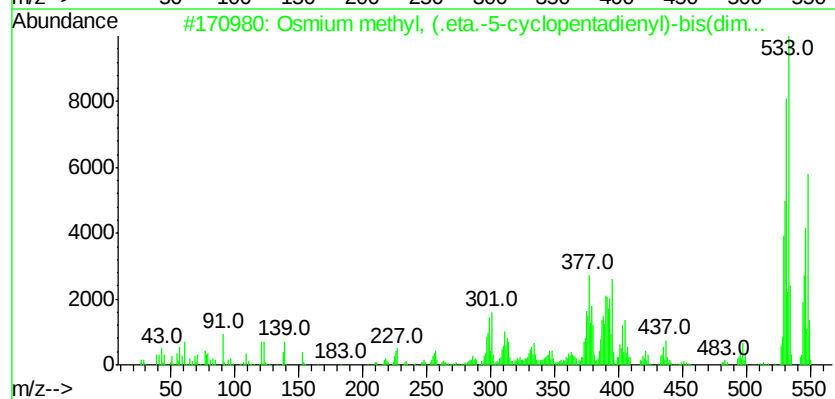
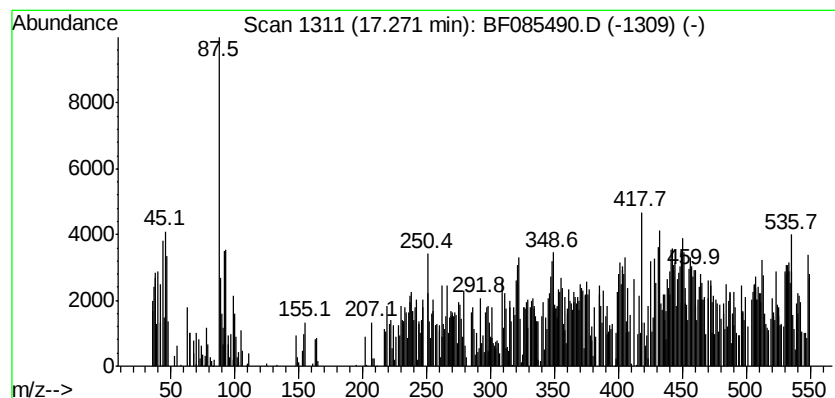
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.27 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	15.09 ng	578614	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	2	Osmium methyl, (.eta.-5-cyclopenten...	548	C22H300sP2	1000158-92-4	41
2		Nickel, [2,8,12,18-tetraethyl-3,...	534	C32H36N4Ni	022925-21-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
Data File : BF085490.D
Acq On : 17 Mar 2016 4:48
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AOU2-SB04(5-8)

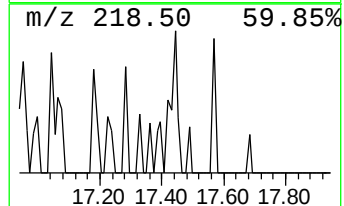
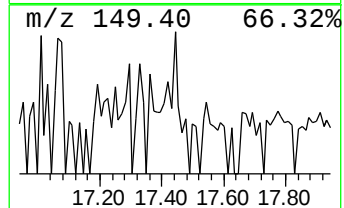
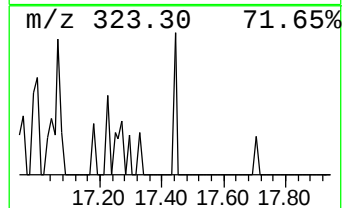
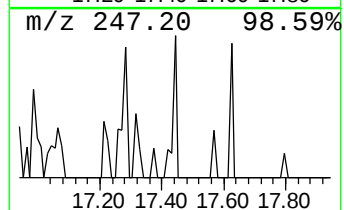
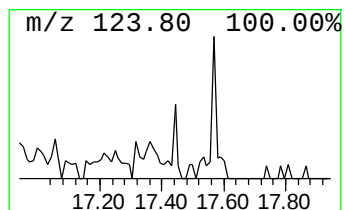
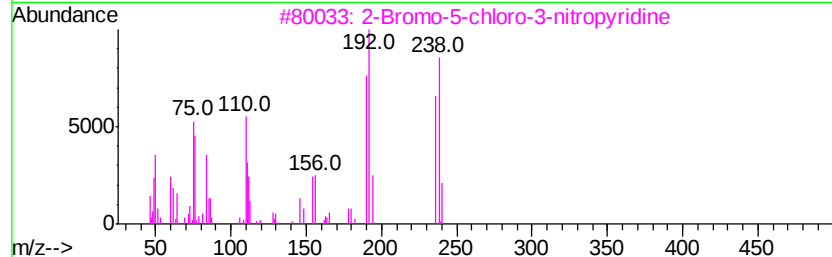
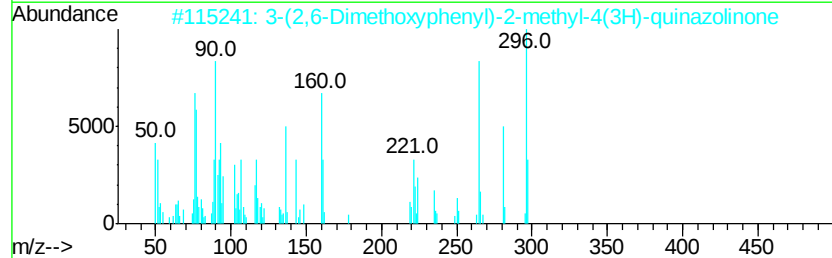
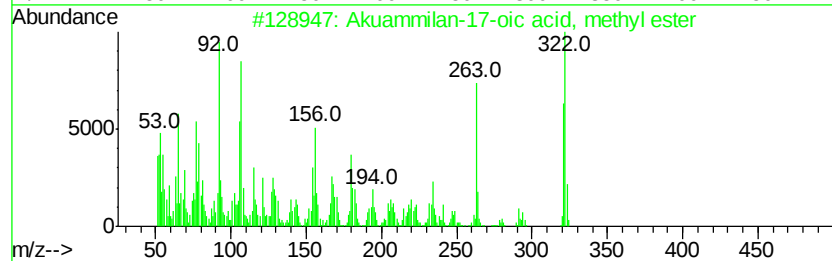
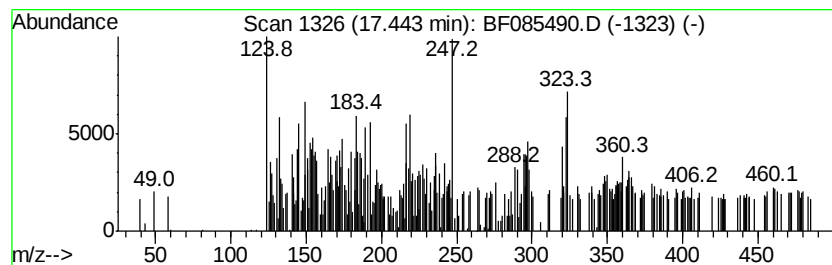
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Akuammilan-17-oic acid, met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	6.34 ng	243302	Perylene-d12	15.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Akuammilan-17-oic acid, methyl e...	322	C20H22N2O2	006475-05-4	91
2		3-(2,6-Dimethoxyphenyl)-2-methyl...	296	C17H16N2O3	052898-79-0	91
3		2-Bromo-5-chloro-3-nitropyridine	236	C5H2BrClN2O2	075806-86-9	25
4		Corynan-17-ol, 18,19-didehydro-	296	C19H24N2O	023443-70-1	12
5		2,2-Dichloro-3-bromo-1-oxa-2-sil...	294	C8H5BrCl2OSi	073060-36-3	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
Data File : BF085490.D
Acq On : 17 Mar 2016 4:48
Operator : UM/SJ
Sample : H1796-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AOU2-SB04(5-8)

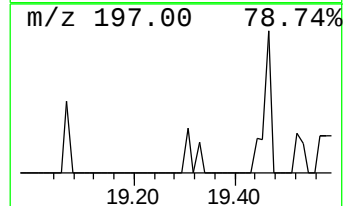
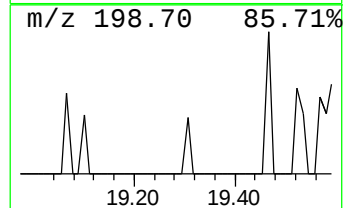
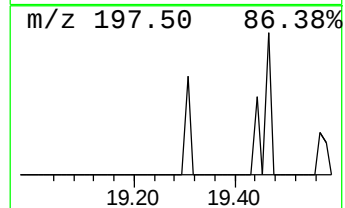
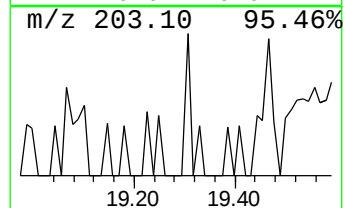
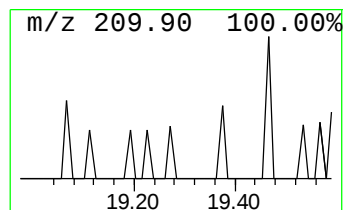
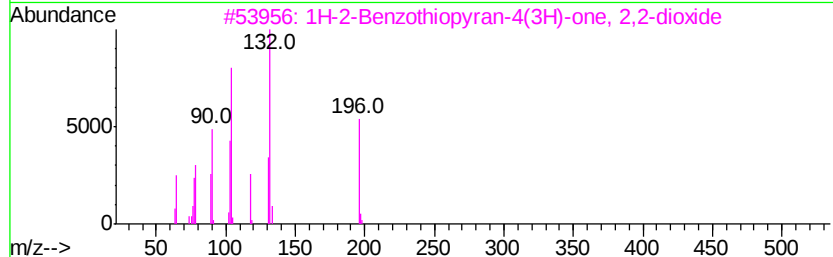
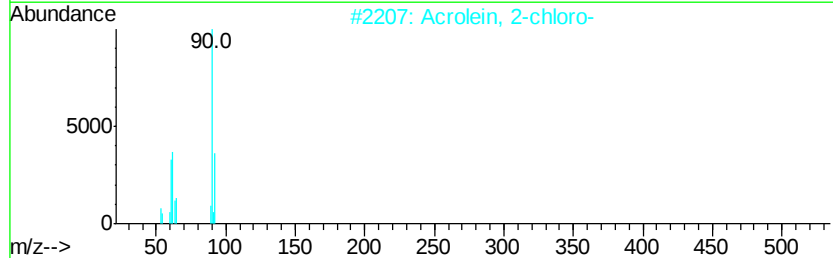
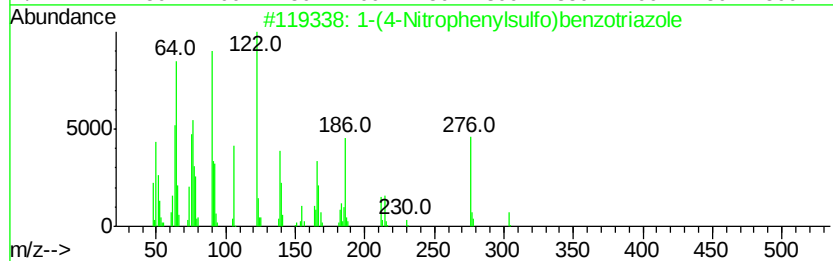
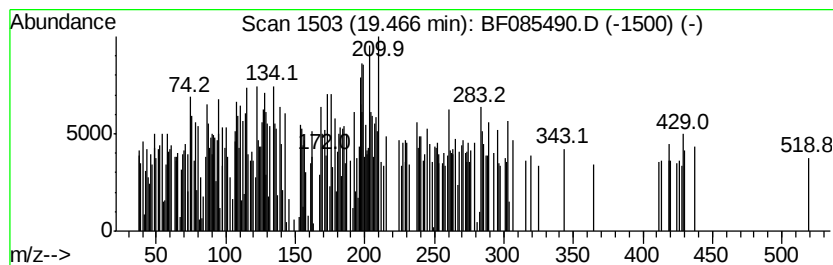
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown19.47 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.47	3.48 ng	133291	Perylene-d12	15.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(4-Nitrophenylsulfo)benzotriazole	304	C12H8N4O4S	001431-31-8	46
2		Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	22
3		1H-2-Benzothiopyran-4(3H)-one, 2...	196	C9H8O3S	016723-58-3	22
4		6-Chloro-3-nitro-2-picoline	172	C6H5ClN2O2	022280-60-0	20
5		[1,4,5]oxadithiepane	136	C4H8O2S2	003886-40-6	20



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031616\
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Acq On : 17 Mar 2016 4:48
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
AOU2-SB04(5-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.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
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4H-Cyclopenta[def...	12.04	6.2	ng	245300	4	11.43	795442	20.0
unknown14.28	14.28	3.3	ng	150748	5	14.06	906621	20.0
Decachlorodipheny...	16.33	3.2	ng	121836	6	15.51	766931	20.0
unknown16.55	16.55	6.5	ng	248049	6	15.51	766931	20.0
unknown17.27	17.27	15.1	ng	578614	6	15.51	766931	20.0
Akuammilan-17-oic...	17.44	6.3	ng	243302	6	15.51	766931	20.0
unknown19.47	19.47	3.5	ng	133291	6	15.51	766931	20.0