

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085768.D
 Acq On : 25 Mar 2016 18:21
 Operator : UM/SJ
 Sample : H1855-04 10X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

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-BF032416.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	5.258	258	260	263	rBV	74354	98547	2.12%	0.183%
2	5.636	291	293	302	rBV	106969	113954	2.45%	0.212%
3	6.516	368	370	373	rVB	190688	166584	3.58%	0.309%
4	6.824	394	397	399	rBV	697599	625143	13.44%	1.160%
5	8.104	507	509	514	rBV2	746544	935817	20.11%	1.737%
6	9.522	631	633	634	rVV	146106	129581	2.78%	0.241%
7	9.579	637	638	641	rVV2	70670	92056	1.98%	0.171%
8	9.727	648	651	653	rBV	148031	186341	4.00%	0.346%
9	9.865	660	663	664	rBV	1018075	927556	19.93%	1.722%
10	9.899	664	666	668	rVB	286218	335913	7.22%	0.623%
11	10.070	679	681	683	rVV	121270	149700	3.22%	0.278%
12	10.413	709	711	713	rBV	233321	308745	6.64%	0.573%
13	10.562	723	724	728	rVB2	77442	91491	1.97%	0.170%
14	10.642	728	731	733	rBV2	75776	123436	2.65%	0.229%
15	10.779	740	743	746	rVB	104690	150946	3.24%	0.280%
16	10.950	755	758	760	rBV3	85235	168908	3.63%	0.314%
17	11.111	767	772	774	rBV3	55409	155041	3.33%	0.288%
18	11.156	774	776	778	rVB	124328	132032	2.84%	0.245%
19	11.202	778	780	782	rBV2	53613	109758	2.36%	0.204%
20	11.236	782	783	786	rVB	174211	218246	4.69%	0.405%
21	11.373	790	795	797	rBV2	3245800	3825815	82.22%	7.101%
22	11.419	797	799	801	rVB	750537	658788	14.16%	1.223%
23	11.453	801	802	805	rVB	99970	94609	2.03%	0.176%
24	11.579	810	813	815	rBV	433206	496861	10.68%	0.922%
25	11.636	817	818	820	rBV2	101730	110965	2.38%	0.206%
26	11.682	820	822	824	rVB2	91206	130940	2.81%	0.243%
27	11.762	824	829	831	rVB2	66699	129095	2.77%	0.240%
28	11.842	834	836	838	rBV	381895	539704	11.60%	1.002%
29	11.876	838	839	841	rVB	718842	519247	11.16%	0.964%
30	11.922	841	843	844	rBV	177064	158942	3.42%	0.295%
31	11.956	844	846	850	rVB	898984	1213033	26.07%	2.251%
32	12.048	850	854	855	rBV2	78727	157336	3.38%	0.292%
33	12.139	860	862	863	rVV	377847	347756	7.47%	0.645%
34	12.173	863	865	867	rVB	454253	473713	10.18%	0.879%

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35	12.288	872	875	877 rBV2	114743	163679	3.52%	0.304%
36	12.322	877	878	882 rVB	163889	223833	4.81%	0.415%
37	12.391	882	884	886 rBV	236027	377880	8.12%	0.701%
38	12.436	886	888	891 rVB2	171962	279444	6.01%	0.519%
39	12.482	891	892	895 rBV2	243639	291610	6.27%	0.541%
40	12.562	896	899	901 rBV	3278924	4576385	98.35%	8.494%
41	12.619	901	904	906 rBV2	106461	177231	3.81%	0.329%
42	12.711	908	912	914 rBV2	183562	344463	7.40%	0.639%
43	12.791	916	919	922 rBV	2994488	4653003	100.00%	8.636%
44	12.836	922	923	925 rVB2	207525	203182	4.37%	0.377%
45	12.905	927	929	931 rBV	271052	304813	6.55%	0.566%
46	12.939	931	932	934 rVB	202977	221842	4.77%	0.412%
47	13.008	934	938	939 rBV2	295706	491794	10.57%	0.913%
48	13.111	943	947	949 rVB	656747	986129	21.19%	1.830%
49	13.179	951	953	954 rVV	537593	420593	9.04%	0.781%
50	13.214	954	956	960 rVB2	418158	625835	13.45%	1.162%
51	13.271	960	961	963 rBV2	79962	97541	2.10%	0.181%
52	13.305	963	964	966 rVV	204387	204613	4.40%	0.380%
53	13.339	966	967	969 rVB	256442	202153	4.34%	0.375%
54	13.499	978	981	983 rBV4	83689	212412	4.57%	0.394%
55	13.534	983	984	985 rVV	108269	93303	2.01%	0.173%
56	13.625	988	992	994 rBV2	304782	460791	9.90%	0.855%
57	13.728	998	1001	1002 rBV	429177	506860	10.89%	0.941%
58	13.762	1002	1004	1005 rVV	319301	453238	9.74%	0.841%
59	13.785	1005	1006	1009 rVV3	367607	558375	12.00%	1.036%
60	13.831	1009	1010	1012 rVV	421059	384567	8.26%	0.714%
61	13.865	1012	1013	1014 rVV	110759	118633	2.55%	0.220%
62	13.899	1014	1016	1019 rVV	136045	221116	4.75%	0.410%
63	13.979	1019	1023	1025 rVV2	1929175	3562920	76.57%	6.613%
64	14.014	1025	1026	1028 rVV	2038915	1679931	36.10%	3.118%
65	14.094	1029	1033	1035 rVV2	304527	631890	13.58%	1.173%
66	14.128	1035	1036	1039 rVV2	180658	384056	8.25%	0.713%
67	14.174	1039	1040	1041 rVV	187490	169451	3.64%	0.315%
68	14.208	1041	1043	1045 rVV2	235870	373548	8.03%	0.693%
69	14.242	1045	1046	1047 rVV	113104	97051	2.09%	0.180%
70	14.334	1049	1054	1055 rVV3	135671	357726	7.69%	0.664%
71	14.368	1055	1057	1059 rVV	443214	571306	12.28%	1.060%

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72	14.402	1059	1060	1062	rVV2	240694	320555	6.89%	0.595%
73	14.459	1062	1065	1067	rVV3	190487	497479	10.69%	0.923%
74	14.494	1067	1068	1071	rVV2	301364	539655	11.60%	1.002%
75	14.562	1071	1074	1077	rVB3	143211	260614	5.60%	0.484%
76	14.677	1082	1084	1085	rVV2	152292	194498	4.18%	0.361%
77	14.745	1089	1090	1092	rVV2	90936	119787	2.57%	0.222%
78	14.848	1096	1099	1103	rVV	144408	232298	4.99%	0.431%
79	15.008	1110	1113	1117	rBV	1593893	3284122	70.58%	6.096%
80	15.065	1117	1118	1120	rVV2	127985	150775	3.24%	0.280%
81	15.099	1120	1121	1123	rVV	282794	325885	7.00%	0.605%
82	15.202	1127	1130	1132	rVV2	70485	194753	4.19%	0.361%
83	15.294	1135	1138	1141	rVV	939415	1254199	26.95%	2.328%
84	15.351	1141	1143	1145	rVV	1293785	1602753	34.45%	2.975%
85	15.408	1145	1148	1149	rVV	447153	569309	12.24%	1.057%
86	15.431	1149	1150	1154	rVB2	323611	492949	10.59%	0.915%
87	15.614	1164	1166	1169	rVB3	98987	181151	3.89%	0.336%
88	15.831	1182	1185	1186	rBV2	77776	135091	2.90%	0.251%
89	15.934	1192	1194	1197	rVB	92003	115794	2.49%	0.215%
90	16.380	1230	1233	1236	rBV3	33625	87178	1.87%	0.162%
91	16.608	1250	1253	1254	rBV2	73472	124566	2.68%	0.231%
92	16.802	1266	1270	1273	rVB	524172	1030247	22.14%	1.912%
93	16.860	1273	1275	1280	rVB2	62242	147787	3.18%	0.274%
94	16.951	1280	1283	1286	rBV2	93569	208194	4.47%	0.386%
95	17.008	1286	1288	1291	rBV2	85258	148297	3.19%	0.275%
96	17.214	1302	1306	1312	rBV	409076	926298	19.91%	1.719%
97	17.431	1322	1325	1334	rVB2	119462	317802	6.83%	0.590%
98	18.094	1379	1383	1390	rBV8	31085	134789	2.90%	0.250%
99	19.340	1486	1492	1501	rBV3	100073	383001	8.23%	0.711%
100	19.511	1503	1507	1510	rBV	49258	137446	2.95%	0.255%

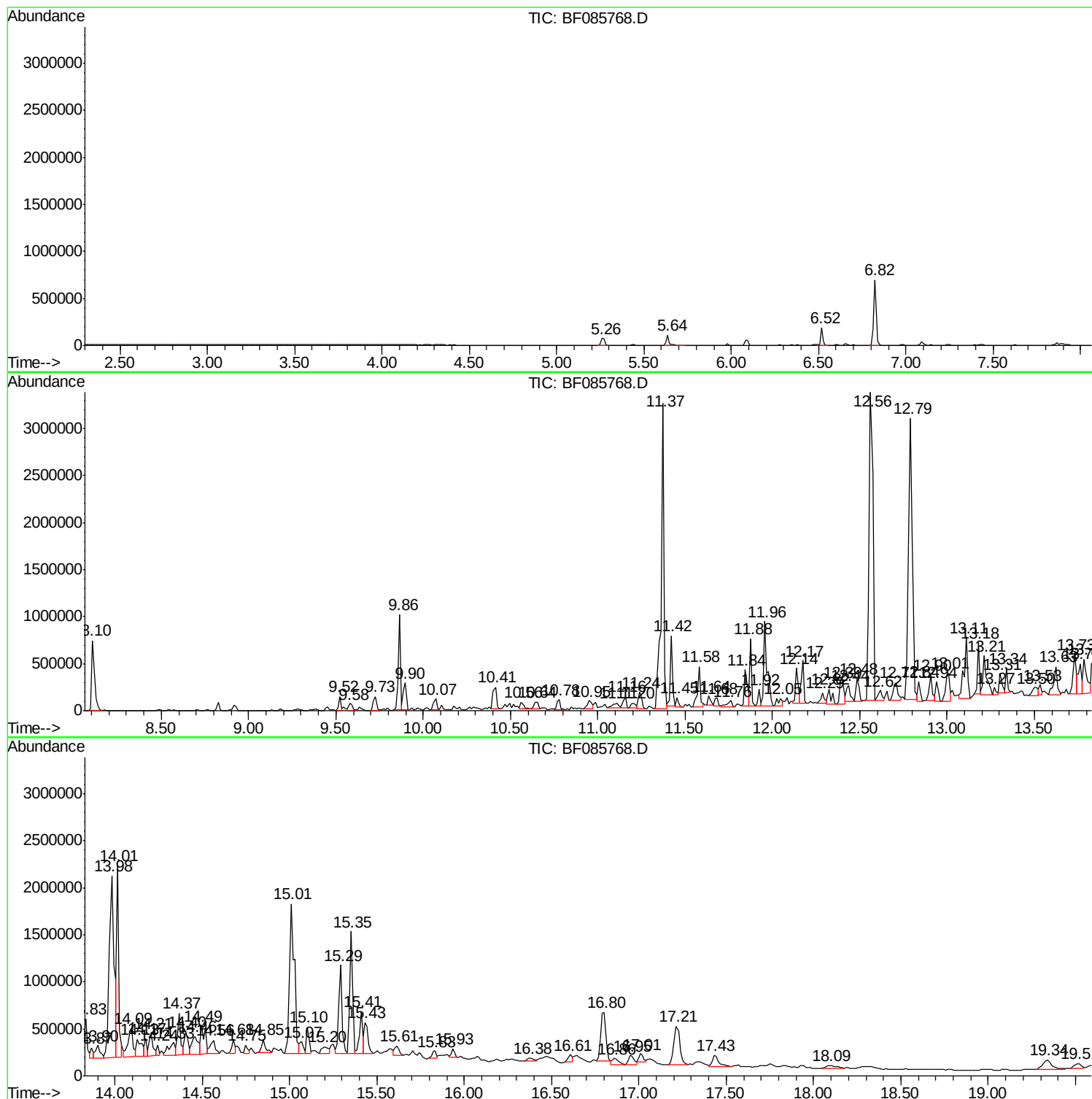
Sum of corrected areas: 53877068

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.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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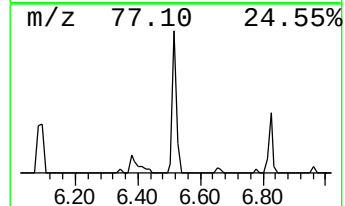
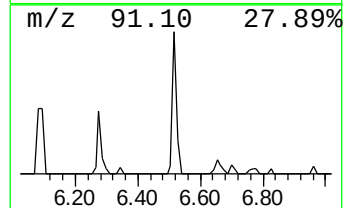
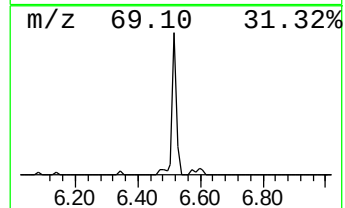
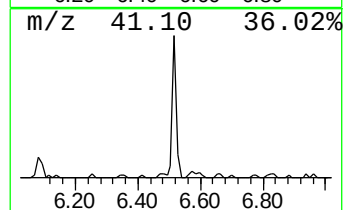
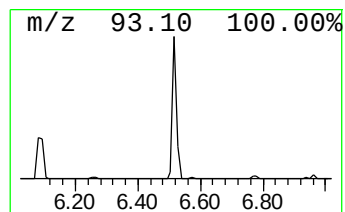
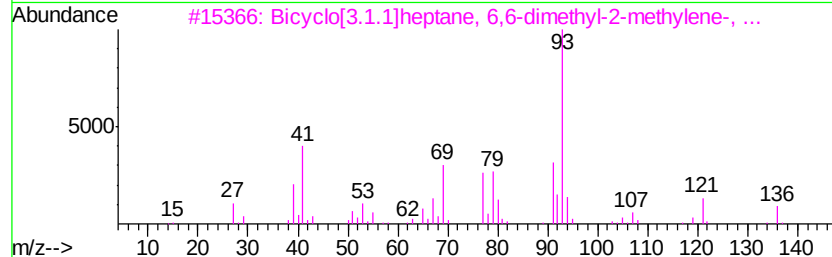
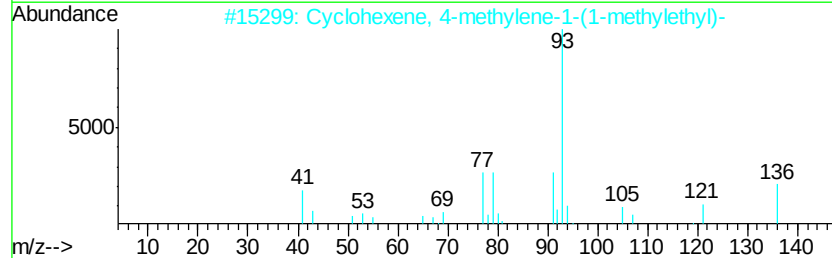
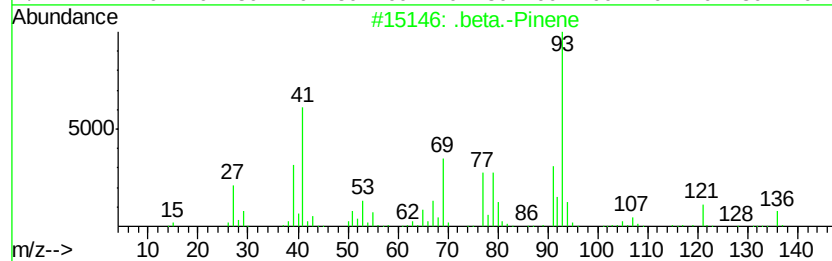
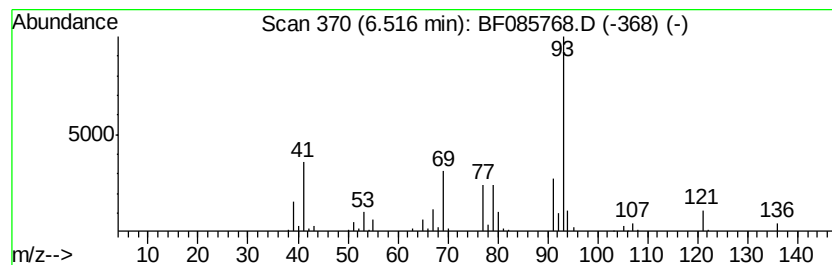
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 .beta.-Pinene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	5.33 ng	166584	1,4-Dichlorobenzene-d4	6.82
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Pinene	136 C10H16	000127-91-3 93
2		Cyclohexene, 4-methylene-1-(1-me...	136 C10H16	000099-84-3 91
3		Bicyclo[3.1.1]heptane, 6,6-dimet...	136 C10H16	018172-67-3 91
4		Tricyclo[2.2.1.0(2,6)]heptane, 1...	136 C10H16	000508-32-7 91
5		Bicyclo[3.1.0]hexane, 4-methylen...	136 C10H16	003387-41-5 86



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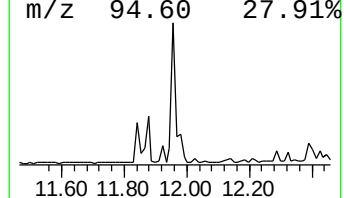
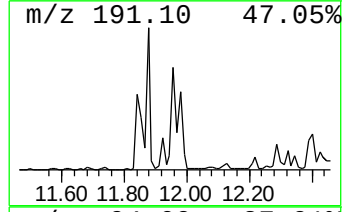
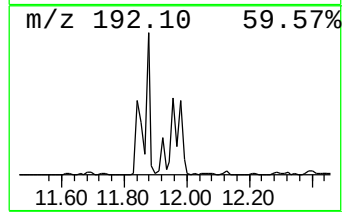
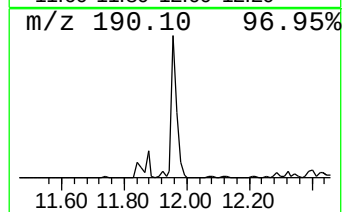
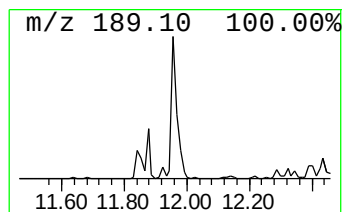
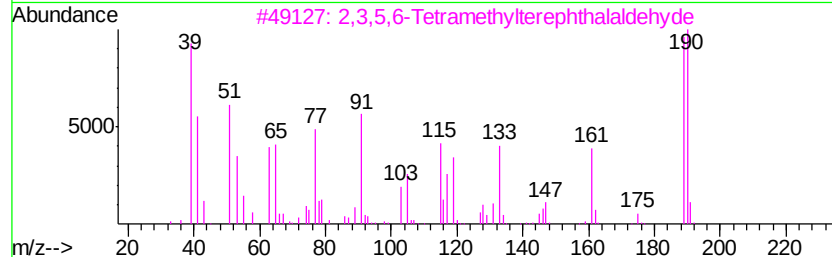
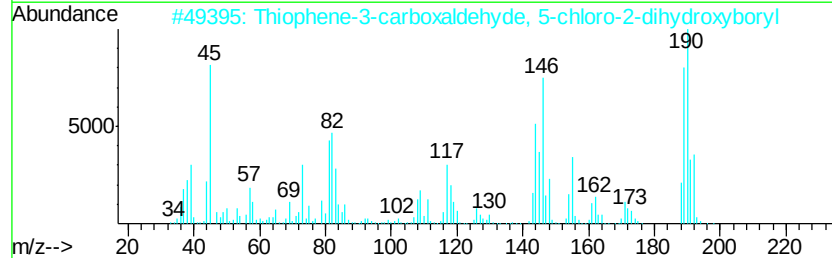
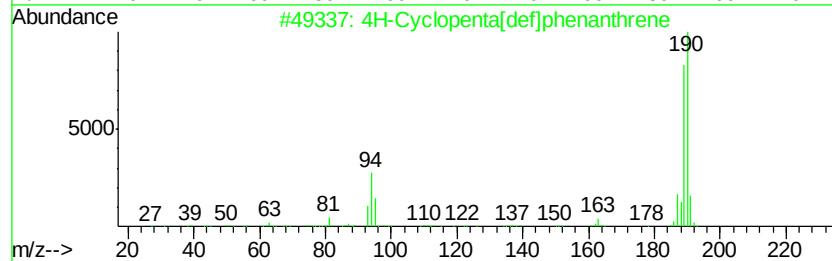
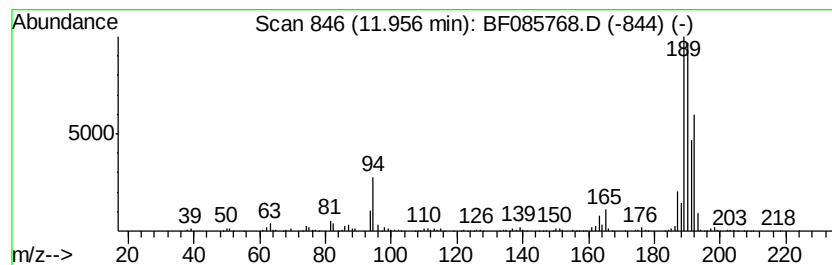
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	6.34 ng	1213030	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25



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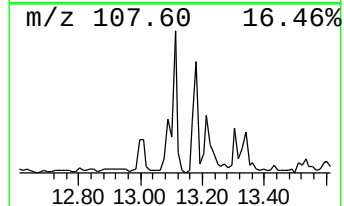
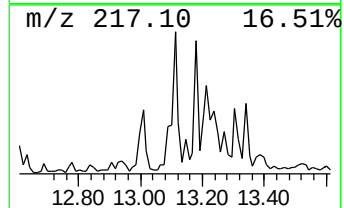
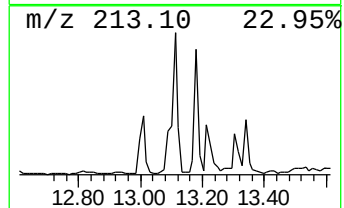
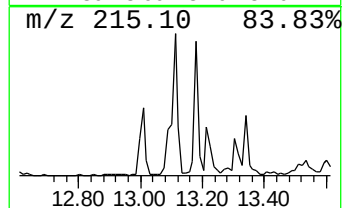
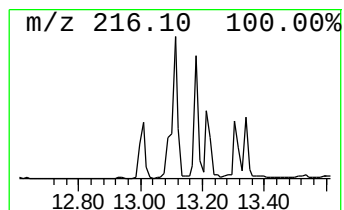
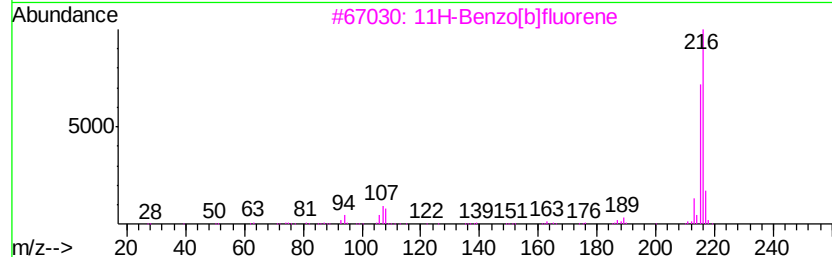
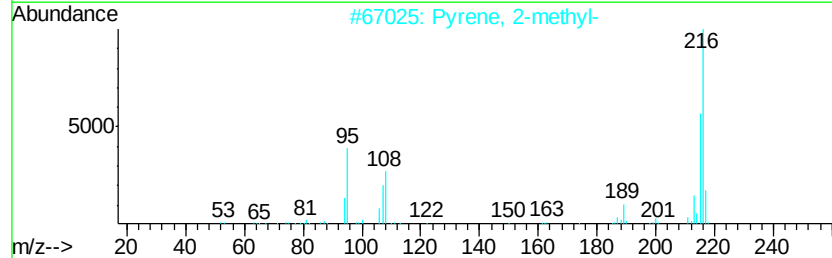
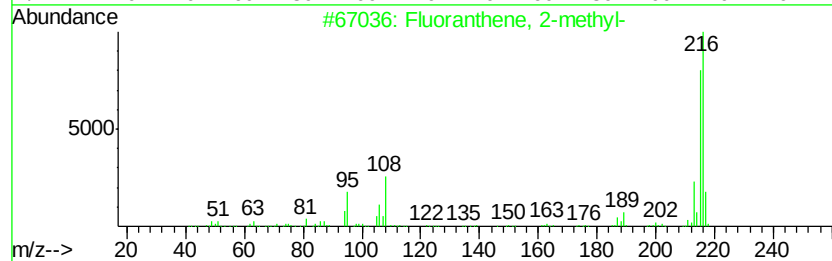
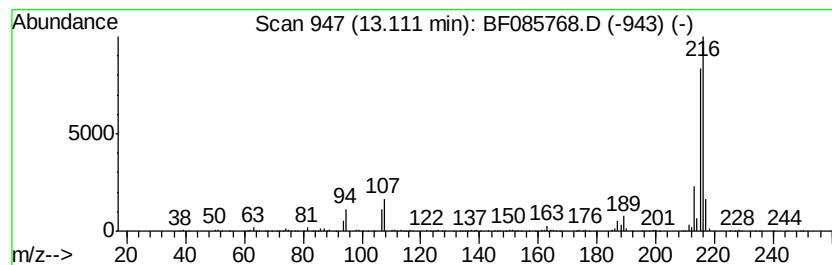
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Peak Number 4 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.11	5.54 ng	986129	Chrysene-d12		13.99
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085768.D
Acq On : 25 Mar 2016 18:21
Operator : UM/SJ
Sample : H1855-04 10X
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ALS Vial : 54 Sample Multiplier: 1

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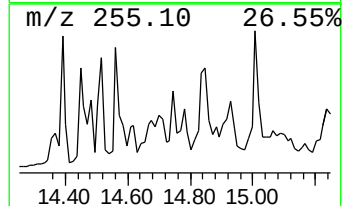
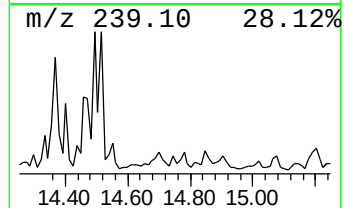
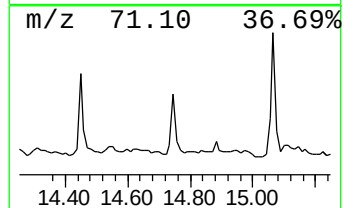
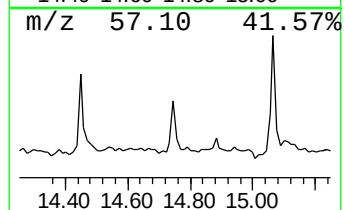
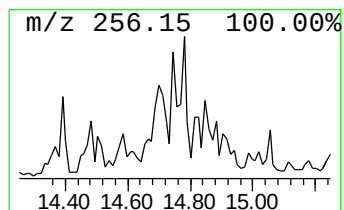
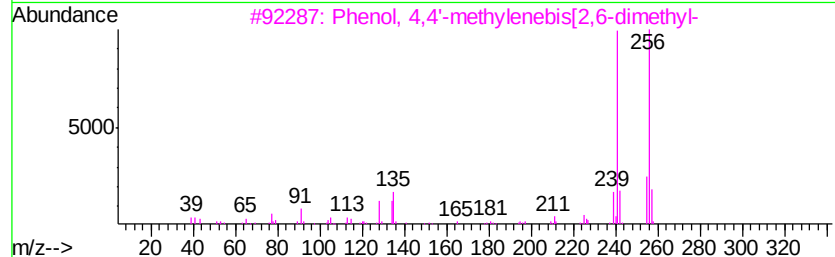
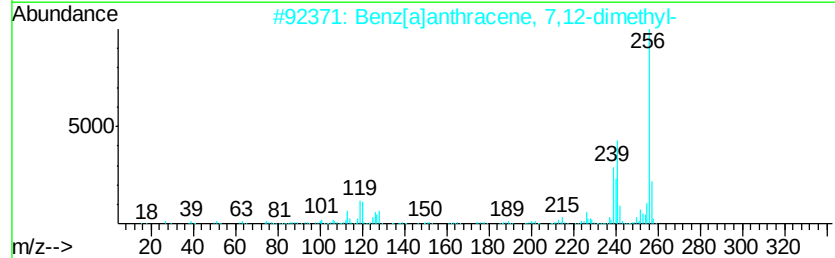
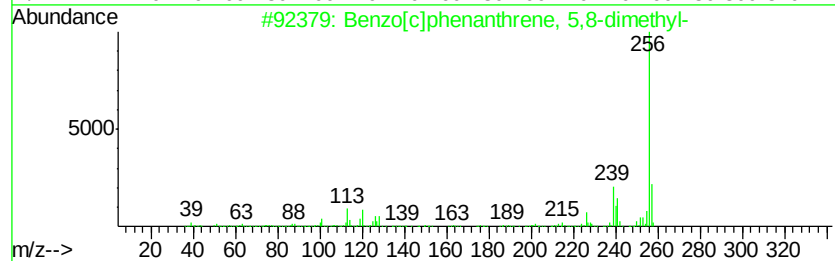
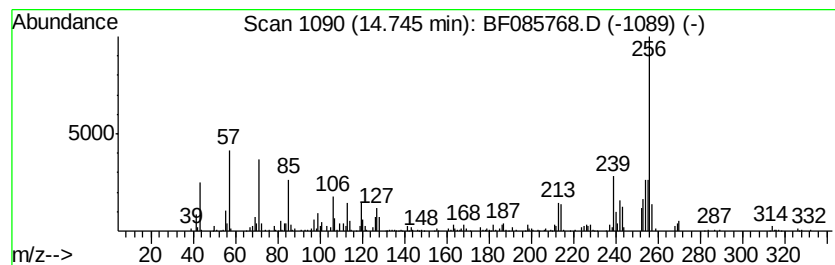
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.21 ng	119787	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	53
2		Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	49
3		Phenol, 4,4'-methylenebis[2,6-di...	256	C17H20O2	005384-21-4	47
4		2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	46
5		2,2'-Biquinoline	256	C18H12N2	000119-91-5	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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Operator : UM/SJ
Sample : H1855-04 10X
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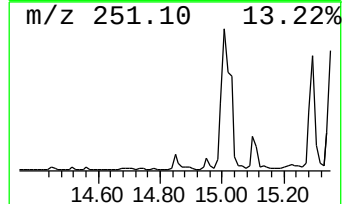
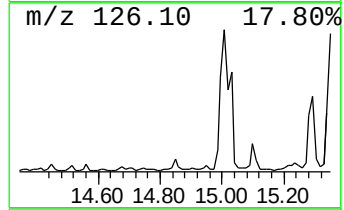
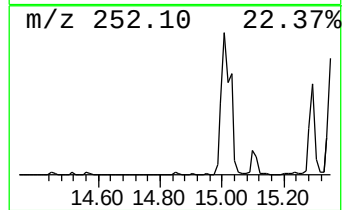
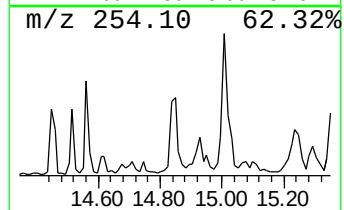
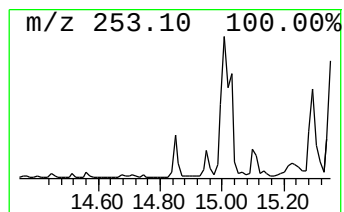
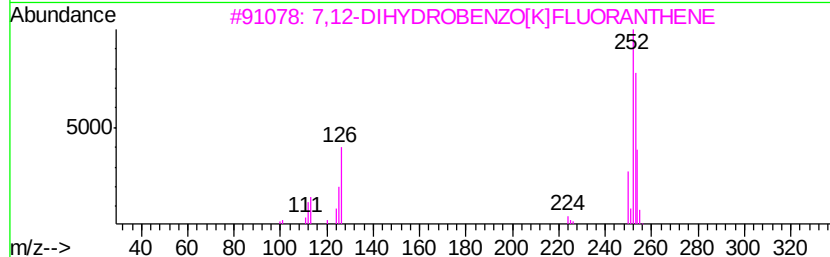
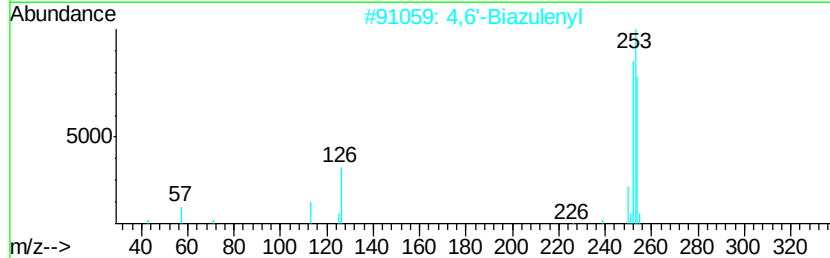
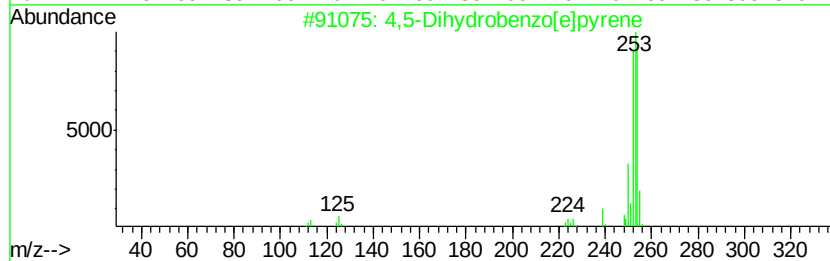
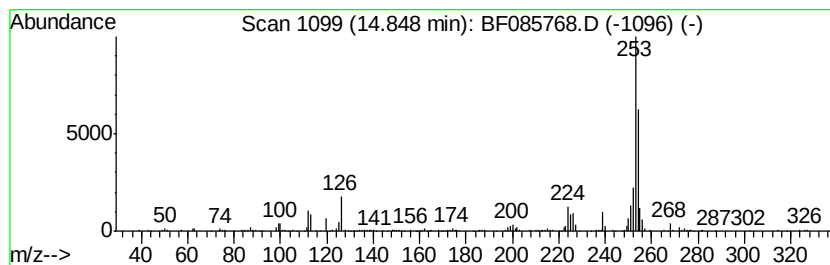
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4,5-Dihydrobenzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.85	8.16 ng	232298	Perylene-d12	15.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pvrne	254	C20H14	095676-42-9	81	
2	4,6'-Biazulenyl	254	C20H14	094154-49-1	72	
3	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64	
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	47	
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	47	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
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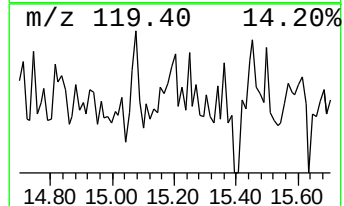
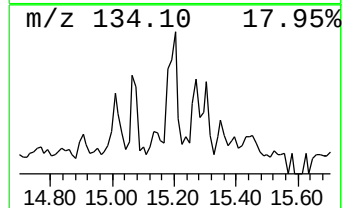
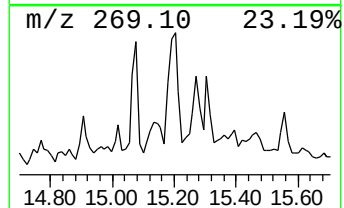
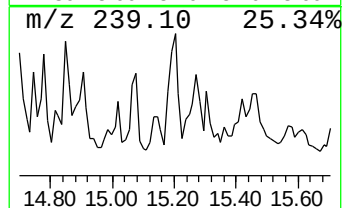
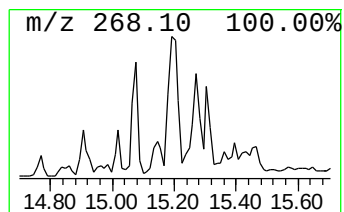
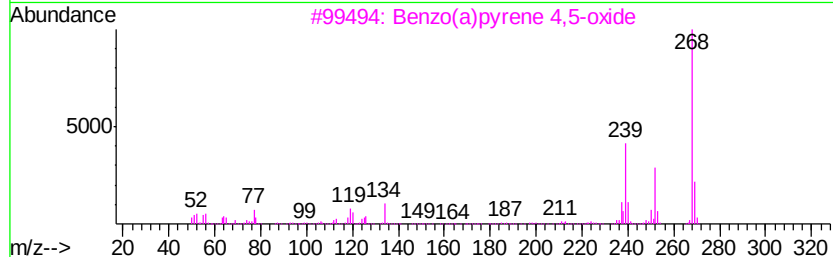
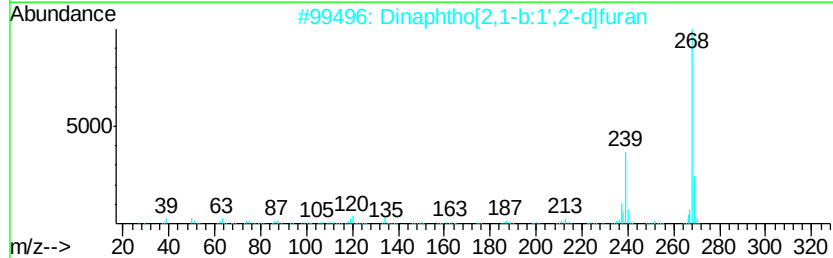
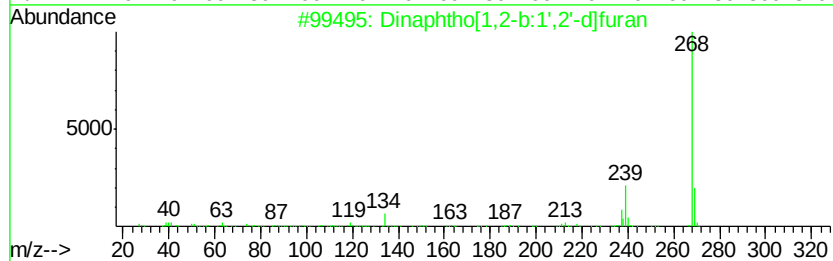
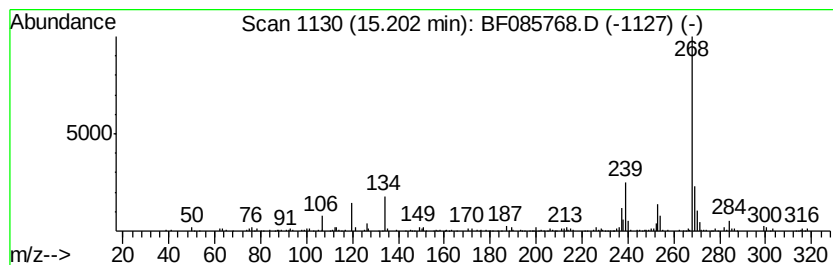
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.20	6.84 ng	194753	Perylene-d12	15.41	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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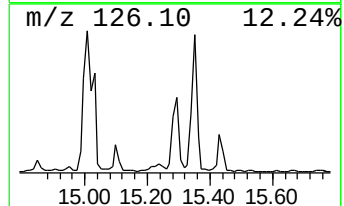
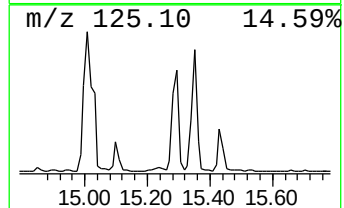
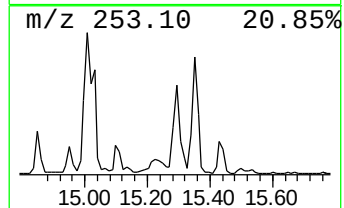
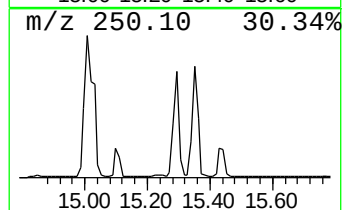
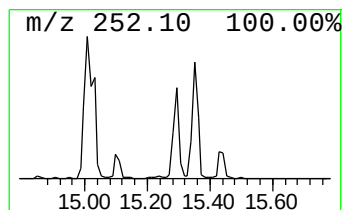
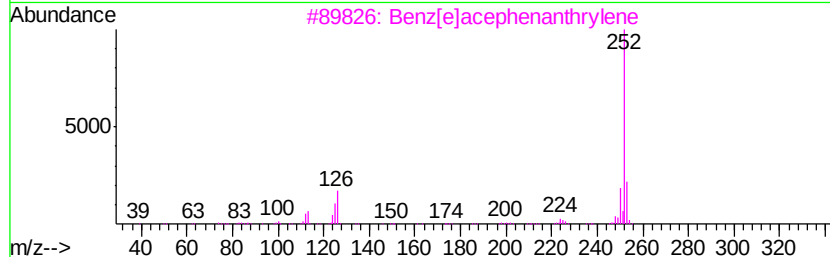
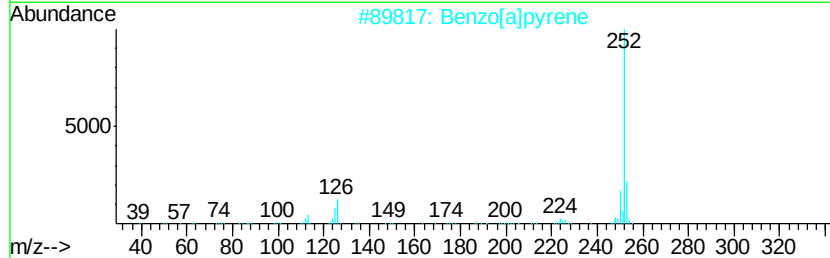
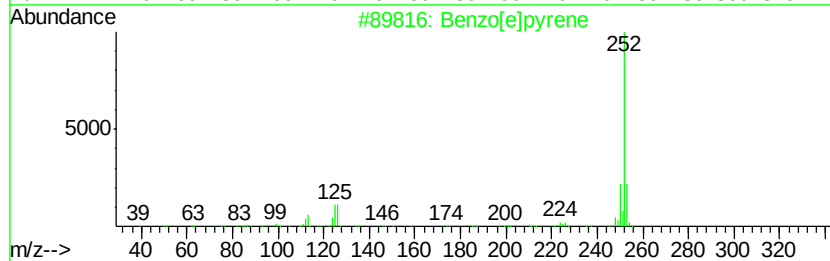
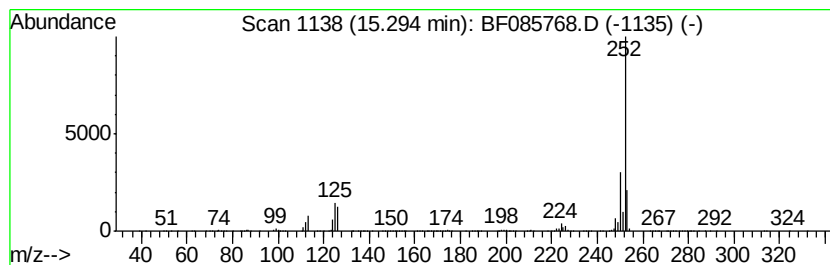
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	44.06 ng	1254200	Perylene-d12	15.41
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	94
2	Benzo[a]pyrene	252 C20H12	000050-32-8	94
3	Benzo[e]acephenanthrylene	252 C20H12	000205-99-2	91
4	Benzo[i]fluoranthene	252 C20H12	000205-82-3	90
5	Perylene	252 C20H12	000198-55-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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Instrument :
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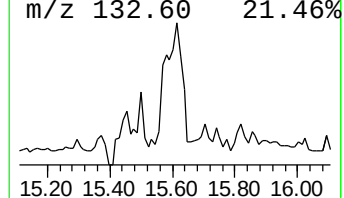
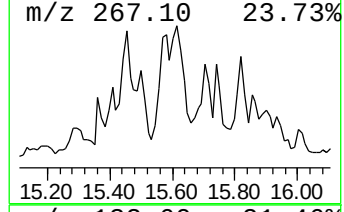
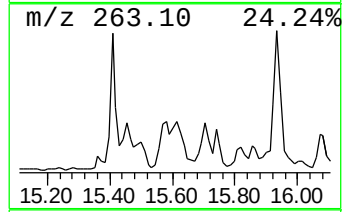
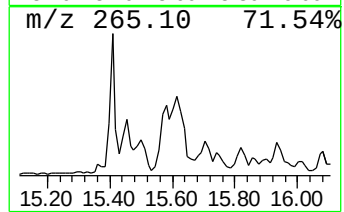
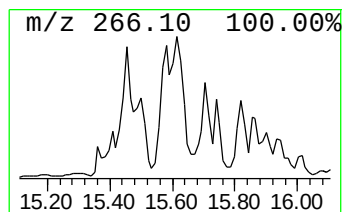
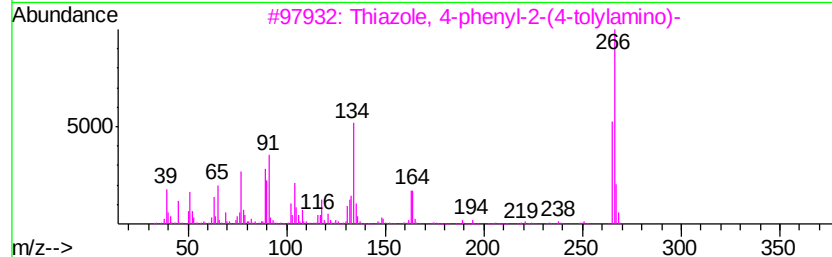
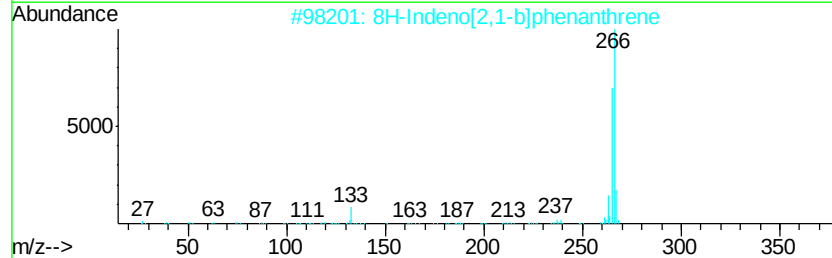
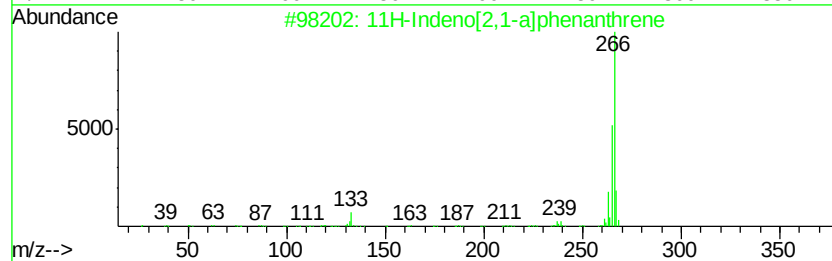
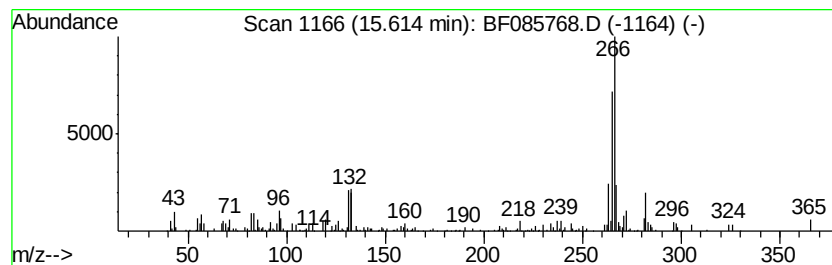
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Indeno[2,1-a]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	6.36 ng	181151	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	55
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	49
3		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	46
4		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	46
5		Perylene, 3-methyl-	266	C21H14	024471-47-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
Data File : BF085768.D
Acq On : 25 Mar 2016 18:21
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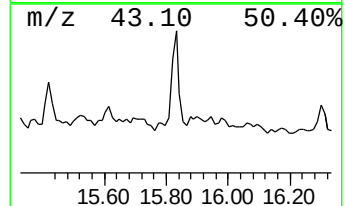
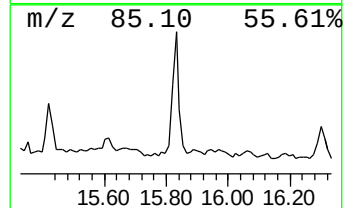
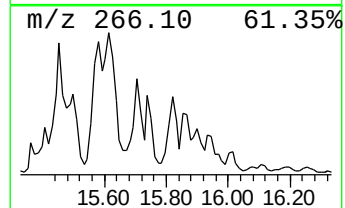
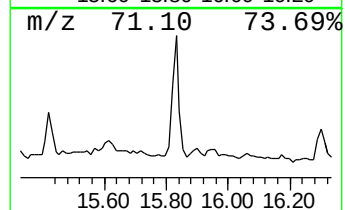
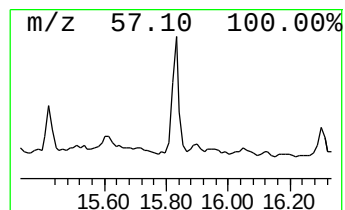
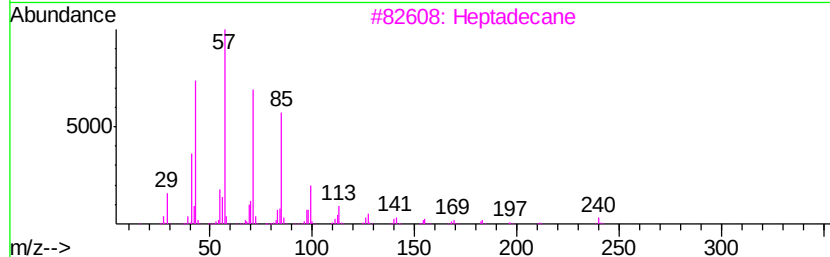
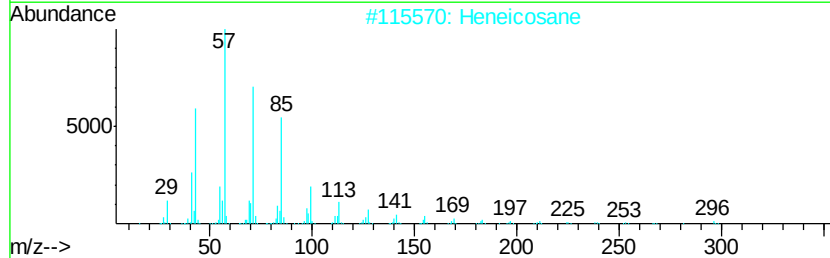
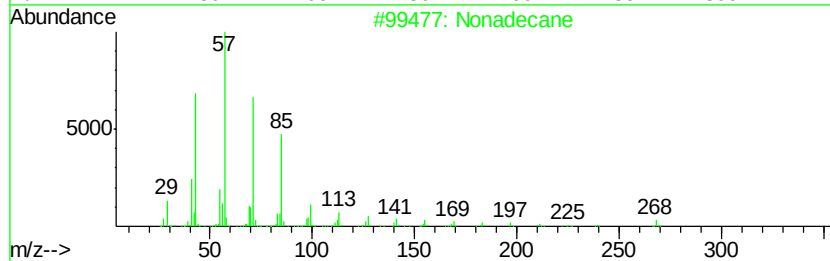
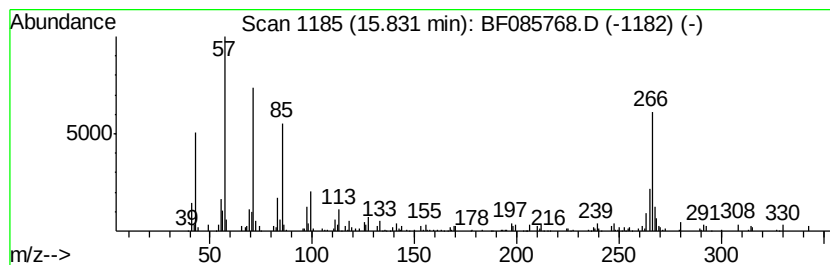
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	4.75 ng	135091	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	70
2		Heneicosane	296	C21H44	000629-94-7	60
3		Heptadecane	240	C17H36	000629-78-7	53
4		Tetracosane	338	C24H50	000646-31-1	49
5		Tridecane, 6-propyl-	226	C16H34	055045-10-8	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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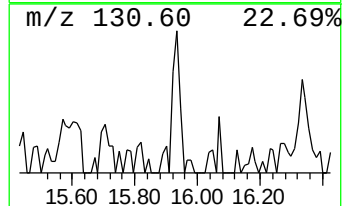
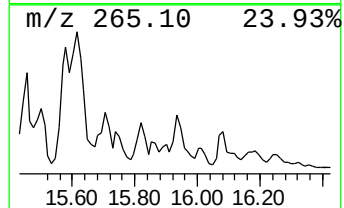
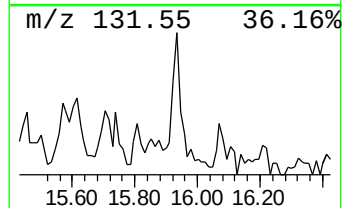
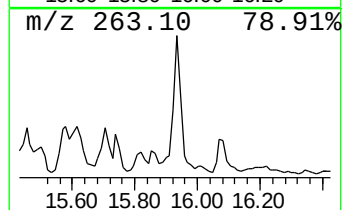
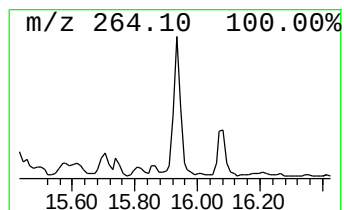
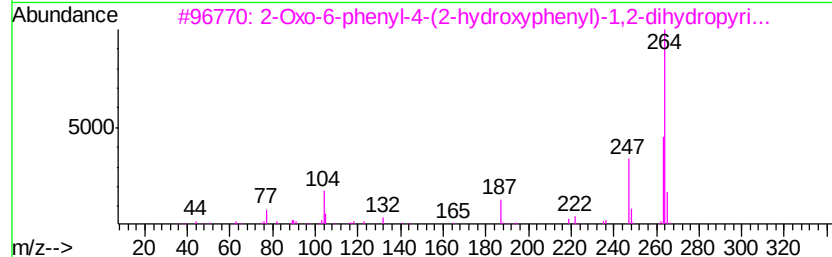
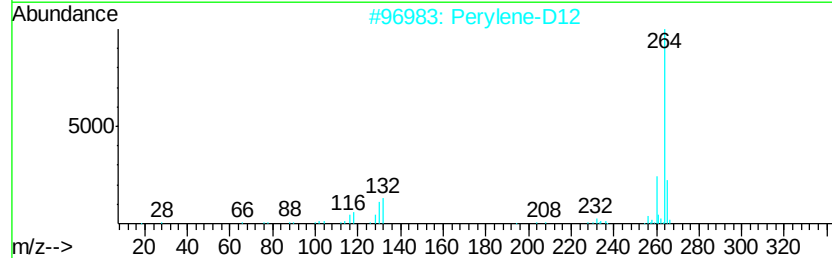
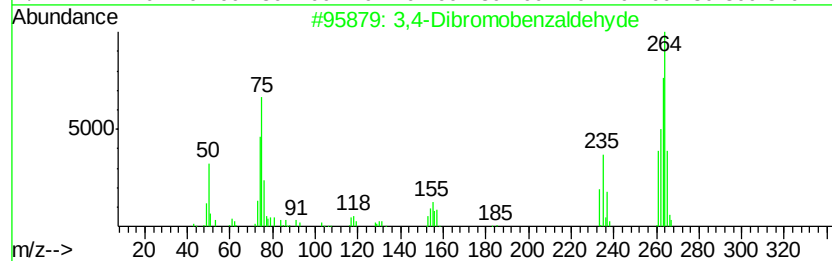
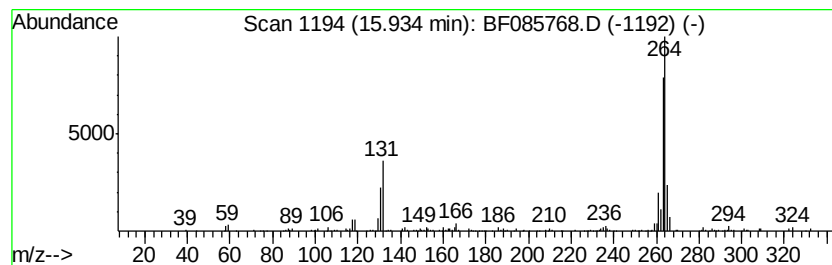
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 3,4-Dibromobenzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.93	4.07 ng	115794	Perylene-d12	15.41		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64	
2	Perylene-D12	264	C20D12	001520-96-3	35	
3	2-Oxo-6-phenyl-4-(2-hydroxyphenyl)-1,2-dihydropyridine	264	C16H12N2O2	017432-82-5	27	
4	6-Oxo-5-phenyl-2,3,5,6-tetrahydro-1,2,4-triazine	263	C16H13N3O	087365-22-8	27	
5	Phenothiazine, 2-chloro-8-methoxy-	263	C13H10ClNOS	017800-09-8	25	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
Data File : BF085768.D
Acq On : 25 Mar 2016 18:21
Operator : UM/SJ
Sample : H1855-04 10X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2

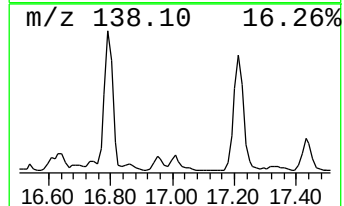
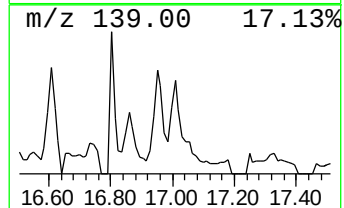
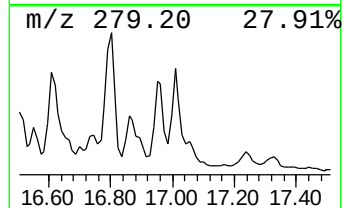
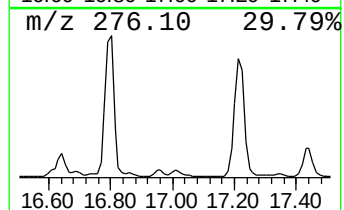
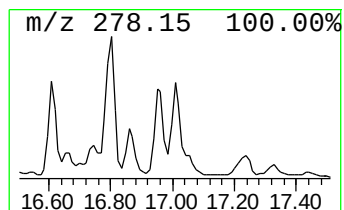
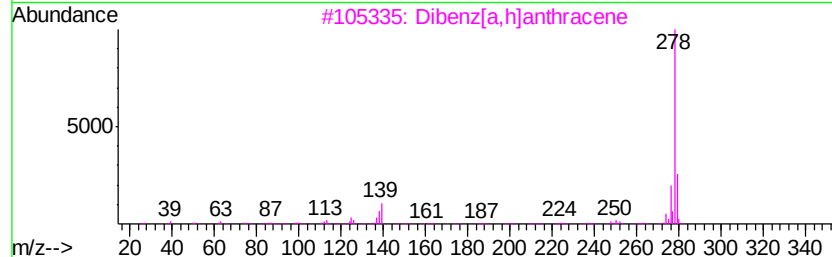
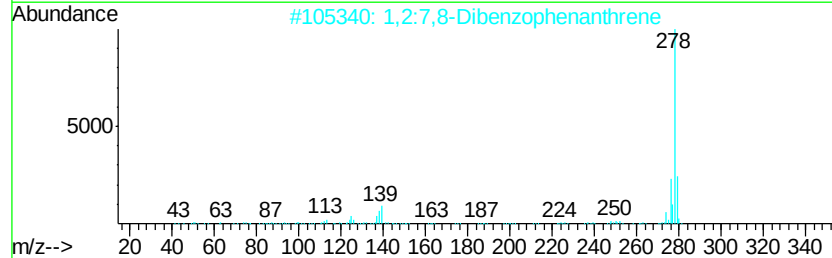
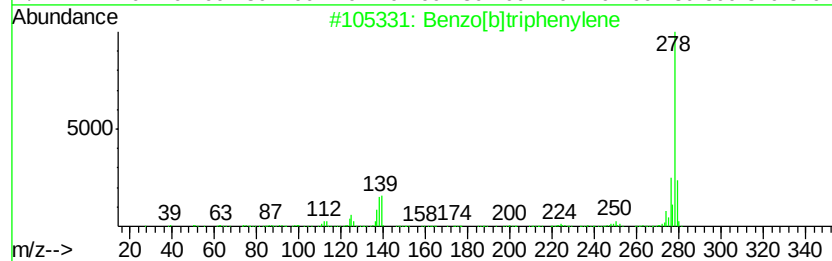
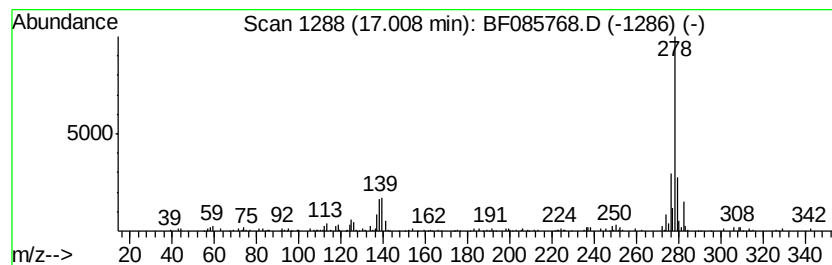
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	5.21 ng	148297	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4		Pentacene	278	C22H14	000135-48-8	93
5		Benzo[b]chrysene	278	C22H14	000214-17-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085768.D
Acq On : 25 Mar 2016 18:21
Operator : UM/SJ
Sample : H1855-04 10X
Misc :
ALS Vial : 54 Sample Multiplier: 1

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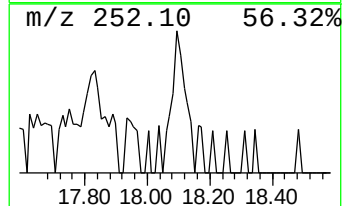
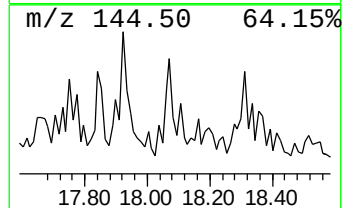
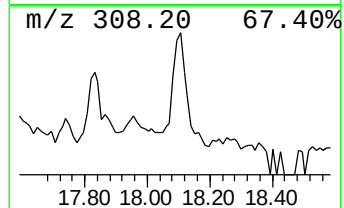
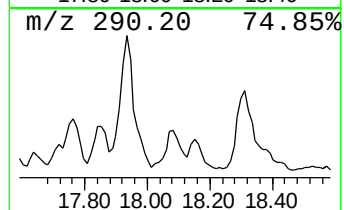
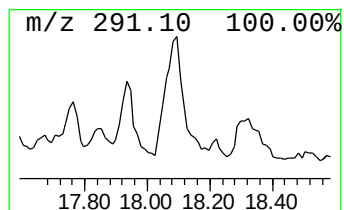
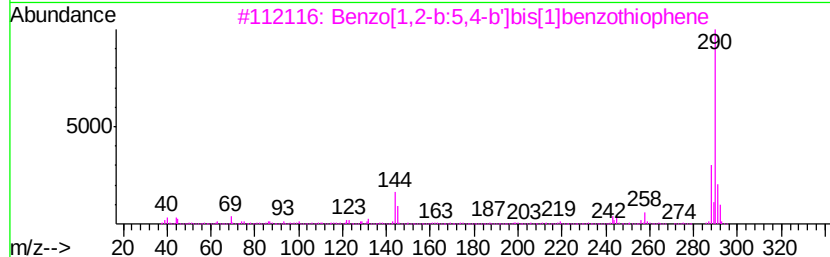
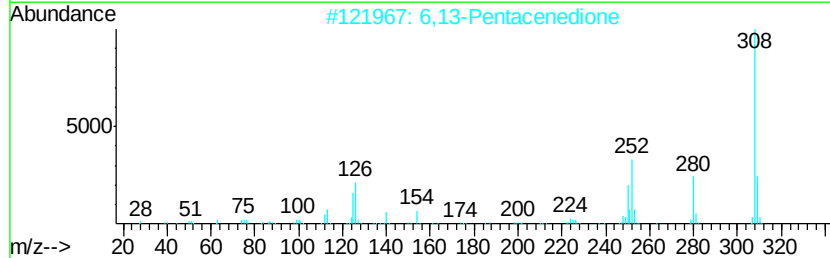
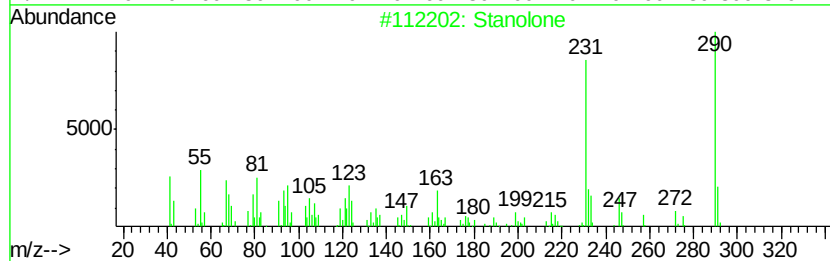
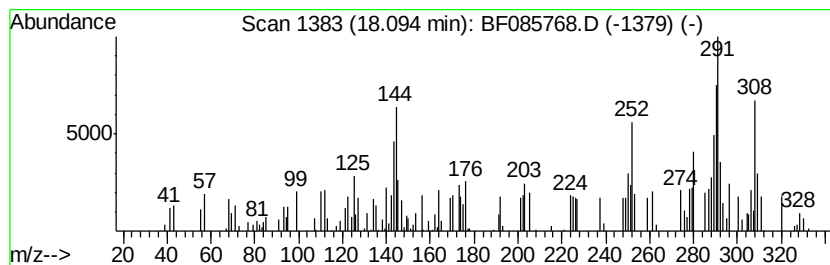
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown18.09 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.74 ng	134789	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stanolone	290	C19H30O2	000521-18-6	15
2		6,13-Pentacenedione	308	C22H12O2	003029-32-1	14
3		Benzo[1,2-b:5,4-b']bis[1]benzoth...	290	C18H10S2	000241-37-2	14
4		4-(4-Methoxybenzylideneamino)ben...	290	C14H14N2O3S	066667-56-9	14
5		Benzamide, 4-(2-hydroxy-1-naphth...	290	C18H14N2O2	315670-89-4	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
Data File : BF085768.D
Acq On : 25 Mar 2016 18:21
Operator : UM/SJ
Sample : H1855-04 10X
Misc :
ALS Vial : 54 Sample Multiplier: 1

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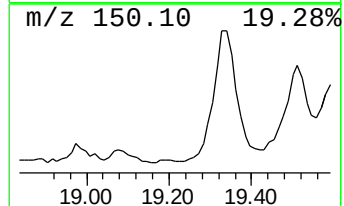
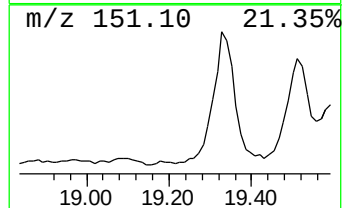
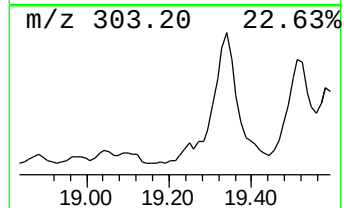
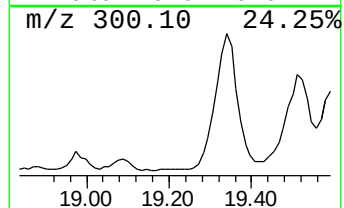
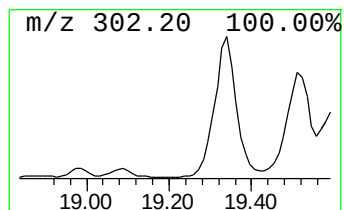
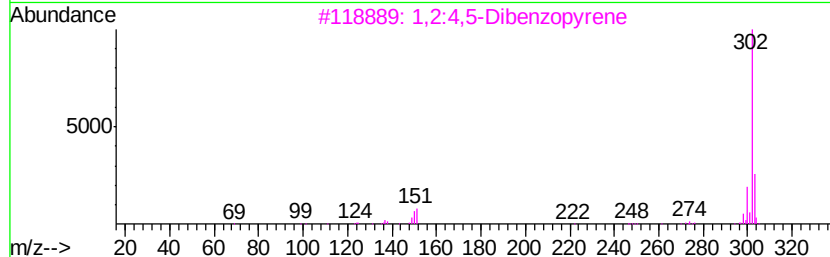
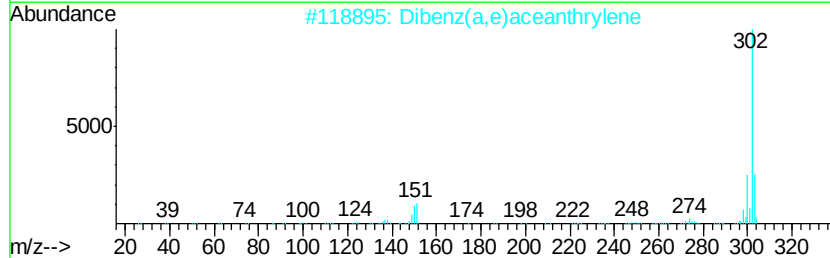
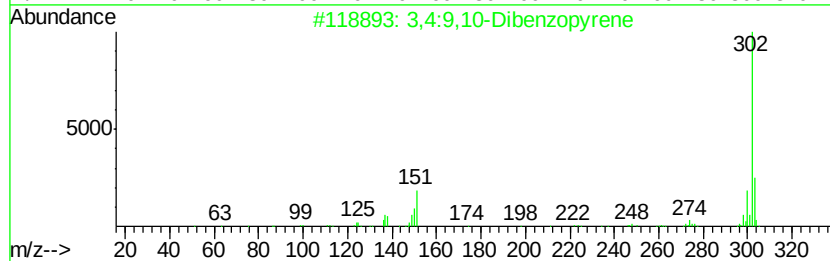
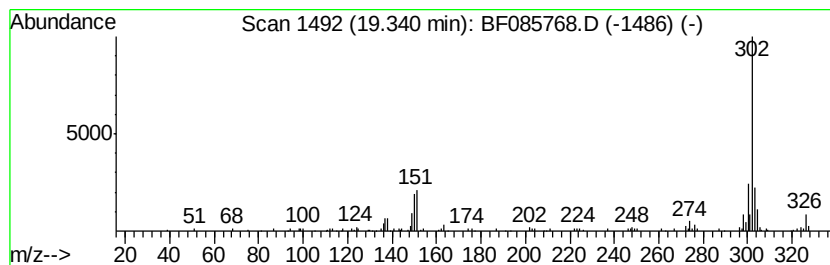
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	13.45 ng	383001	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	95
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
Data File : BF085768.D
Acq On : 25 Mar 2016 18:21
Operator : UM/SJ
Sample : H1855-04 10X
Misc :
ALS Vial : 54 Sample Multiplier: 1

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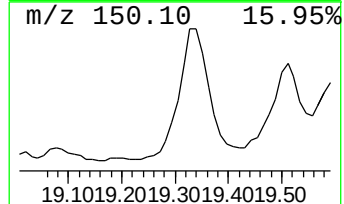
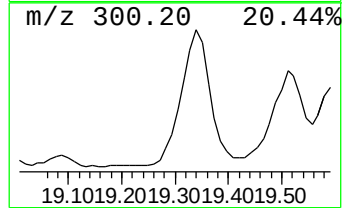
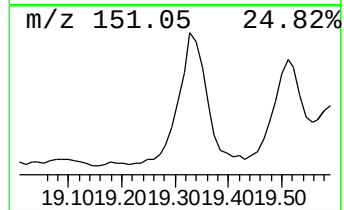
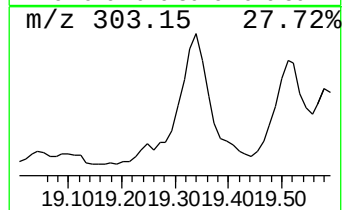
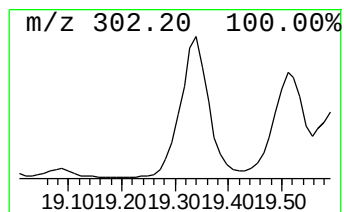
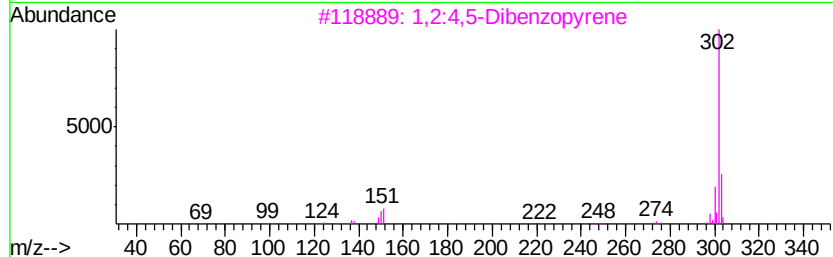
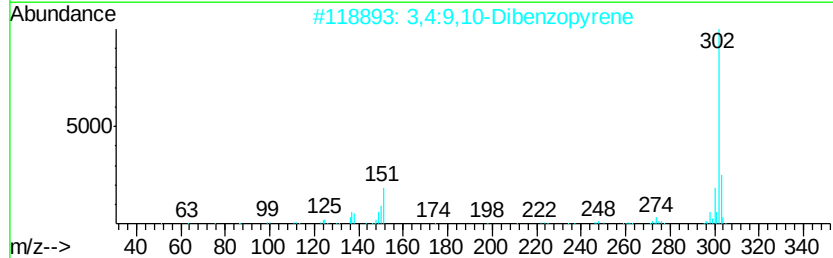
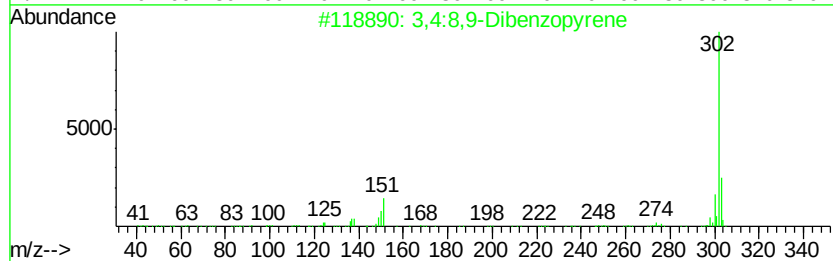
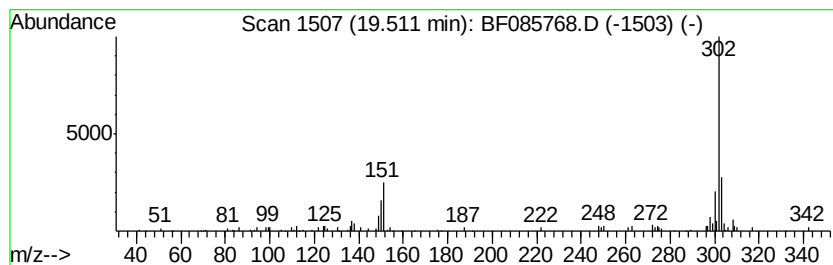
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.51	4.83 ng	137446	Perylene-d12	15.41

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
3			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	70
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032516\
 Data File : BF085768.D
 Acq On : 25 Mar 2016 18:21
 Operator : UM/SJ
 Sample : H1855-04 10X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.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
.beta.-Pinene	6.52	5.3	ng	166584	1	6.82	625143	20.0
4H-Cyclopenta[def...	11.96	6.3	ng	1213030	4	11.35	3825820	20.0
Fluoranthene, 2-m...	13.11	5.5	ng	986129	5	13.99	3562920	20.0
Benzo[c]phenanthr...	14.75	4.2	ng	119787	6	15.41	569309	20.0
4,5-Dihydrobenzo[...	14.85	8.2	ng	232298	6	15.41	569309	20.0
Dinaphtho[1,2-b:1...	15.20	6.8	ng	194753	6	15.41	569309	20.0
Benzo[e]pyrene	15.29	44.1	ng	1254200	6	15.41	569309	20.0
11H-Indeno[2,1-a]...	15.61	6.4	ng	181151	6	15.41	569309	20.0
Nonadecane	15.83	4.8	ng	135091	6	15.41	569309	20.0
3,4-Dibromobenzal...	15.93	4.1	ng	115794	6	15.41	569309	20.0
1,2:7,8-Dibenzoph...	16.86	5.2	ng	147787	6	15.41	569309	20.0
Benzo[b]triphenylene	17.01	5.2	ng	148297	6	15.41	569309	20.0
unknown18.09	18.09	4.7	ng	134789	6	15.41	569309	20.0
3,4:9,10-Dibenzop...	19.34	13.4	ng	383001	6	15.41	569309	20.0
3,4:8,9-Dibenzopy...	19.51	4.8	ng	137446	6	15.41	569309	20.0