

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084839.D
 Acq On : 4 Feb 2016 20:12
 Operator : SJ/IZ
 Sample : H1320-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(5-7)

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-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.830	237	240	251	rVB	1311450	2056389	27.68%	1.799%
2	5.276	276	279	281	rBV	3561469	5381796	72.43%	4.708%
3	6.327	368	371	373	rBV	4344788	4902600	65.98%	4.289%
4	6.442	378	381	384	rVV	4678595	4865742	65.49%	4.257%
5	6.670	399	401	404	rBV	1106745	915141	12.32%	0.801%
6	6.830	412	415	417	rBV	4276597	3882437	52.25%	3.396%
7	7.242	448	451	454	rBV	2600089	3289323	44.27%	2.878%
8	7.962	511	514	518	rVB2	1331931	1520479	20.46%	1.330%
9	8.670	574	576	578	rBV	164230	132614	1.78%	0.116%
10	9.036	605	608	611	rVB	3896394	5036304	67.78%	4.406%
11	9.299	628	631	635	rBV	105016	155420	2.09%	0.136%
12	9.368	635	637	639	rVV	191134	251626	3.39%	0.220%
13	9.436	641	643	645	rVV	923961	829844	11.17%	0.726%
14	9.482	645	647	650	rVB2	78863	141828	1.91%	0.124%
15	9.573	652	655	657	rVB	454924	490417	6.60%	0.429%
16	9.711	664	667	668	rVV	1506432	1403613	18.89%	1.228%
17	9.745	668	670	672	rVV	425641	497462	6.70%	0.435%
18	9.916	682	685	687	rVV	478228	511301	6.88%	0.447%
19	10.031	692	695	696	rBV2	111318	148431	2.00%	0.130%
20	10.122	700	703	705	rBV2	84453	193522	2.60%	0.169%
21	10.156	705	706	708	rVB	265168	199067	2.68%	0.174%
22	10.259	713	715	717	rVV	590378	785152	10.57%	0.687%
23	10.316	717	720	721	rVV	111922	165466	2.23%	0.145%
24	10.373	723	725	727	rVV3	107164	216233	2.91%	0.189%
25	10.408	727	728	731	rVB	228430	322855	4.35%	0.282%
26	10.499	733	736	738	rVV	3655112	3742647	50.37%	3.274%
27	10.625	745	747	751	rVB	321624	367843	4.95%	0.322%
28	10.796	759	762	764	rBV3	196903	361169	4.86%	0.316%
29	10.888	766	770	771	rVB3	108556	218865	2.95%	0.191%
30	10.934	771	774	778	rBV3	243160	603252	8.12%	0.528%
31	11.002	778	780	782	rVB	140364	183384	2.47%	0.160%
32	11.048	782	784	785	rBV	232064	294543	3.96%	0.258%
33	11.082	785	787	791	rVB2	414503	588802	7.92%	0.515%
34	11.219	794	799	801	rBV2	5278010	6407145	86.23%	5.605%

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35	11.265	801	803	805	rVV	1808981	1522413	20.49%	1.332%
36	11.299	805	806	808	rVB	211098	166566	2.24%	0.146%
37	11.425	813	817	818	rBV2	356625	414942	5.58%	0.363%
38	11.494	821	823	824	rBV2	149544	226496	3.05%	0.198%
39	11.688	837	840	841	rVV	693999	687424	9.25%	0.601%
40	11.722	841	843	845	rVB	841006	892810	12.02%	0.781%
41	11.768	845	847	848	rBV	522783	482105	6.49%	0.422%
42	11.802	848	850	854	rVB2	1561110	2028299	27.30%	1.774%
43	11.905	857	859	862	rVV3	107178	199925	2.69%	0.175%
44	11.985	864	866	867	rVV	702861	604152	8.13%	0.529%
45	12.008	867	868	870	rVB	182411	194264	2.61%	0.170%
46	12.134	876	879	881	rBV2	201631	284681	3.83%	0.249%
47	12.236	885	888	890	rBV	425076	581986	7.83%	0.509%
48	12.294	890	893	894	rVV2	264460	540396	7.27%	0.473%
49	12.328	894	896	900	rVB2	404875	474348	6.38%	0.415%
50	12.408	900	903	905	rBV	5890583	6796423	91.47%	5.946%
51	12.465	905	908	909	rVV2	196634	272807	3.67%	0.239%
52	12.488	909	910	912	rVB	259823	302091	4.07%	0.264%
53	12.545	912	915	916	rBV	447573	485378	6.53%	0.425%
54	12.637	920	923	925	rVV	5456798	7429965	100.00%	6.500%
55	12.671	925	926	931	rVB3	305763	443318	5.97%	0.388%
56	12.751	931	933	934	rBV	356796	624745	8.41%	0.547%
57	12.774	934	935	938	rVB	2818366	3897059	52.45%	3.409%
58	12.854	938	942	943	rBV2	395227	726406	9.78%	0.635%
59	12.957	945	951	953	rVB2	859988	1283029	17.27%	1.122%
60	13.025	953	957	958	rBV	629363	786325	10.58%	0.688%
61	13.059	958	960	961	rVV	680469	798038	10.74%	0.698%
62	13.151	966	968	969	rVB	335581	305166	4.11%	0.267%
63	13.174	969	970	974	rBV2	253390	439235	5.91%	0.384%
64	13.368	982	987	989	rBV5	219579	601655	8.10%	0.526%
65	13.459	992	995	999	rVV	387323	581468	7.83%	0.509%
66	13.574	1002	1005	1006	rBV	305491	545300	7.34%	0.477%
67	13.597	1006	1007	1008	rVV	519651	476269	6.41%	0.417%
68	13.619	1008	1009	1012	rVV2	477993	720824	9.70%	0.631%
69	13.665	1012	1013	1017	rVB2	286002	570243	7.67%	0.499%
70	13.814	1023	1026	1028	rBV2	2735686	4574821	61.57%	4.002%
71	13.928	1033	1036	1037	rVB	603901	559324	7.53%	0.489%

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72	13.962	1037	1039	1040	rBV2	139236	171050	2.30%	0.150%
73	14.008	1041	1043	1044	rBV2	145533	144083	1.94%	0.126%
74	14.202	1058	1060	1062	rVB	350058	471858	6.35%	0.413%
75	14.237	1062	1063	1065	rVB	179382	184185	2.48%	0.161%
76	14.305	1066	1069	1070	rBV3	166903	287405	3.87%	0.251%
77	14.328	1070	1071	1075	rVB2	233630	359667	4.84%	0.315%
78	14.511	1085	1087	1092	rVB3	275151	462777	6.23%	0.405%
79	14.614	1092	1096	1098	rBV5	112616	292979	3.94%	0.256%
80	14.682	1099	1102	1105	rVV2	198289	388925	5.23%	0.340%
81	14.831	1112	1115	1119	rVV	1975511	4210162	56.66%	3.683%
82	14.911	1119	1122	1124	rVV2	436703	649339	8.74%	0.568%
83	15.014	1127	1131	1133	rBV3	142730	386519	5.20%	0.338%
84	15.094	1135	1138	1140	rVV	1183026	1770825	23.83%	1.549%
85	15.151	1140	1143	1145	rVB	2078496	2454846	33.04%	2.148%
86	15.197	1145	1147	1148	rBV	605283	747492	10.06%	0.654%
87	15.231	1148	1150	1154	rVB	623697	918305	12.36%	0.803%
88	15.620	1182	1184	1186	rVV	118793	209651	2.82%	0.183%
89	15.688	1188	1190	1195	rVV	127672	255728	3.44%	0.224%
90	15.814	1198	1201	1203	rVB3	71928	145497	1.96%	0.127%
91	16.317	1241	1245	1254	rBV3	142945	650806	8.76%	0.569%
92	16.488	1256	1260	1263	rVB	948956	1685990	22.69%	1.475%
93	16.545	1263	1265	1269	rVB	77929	160117	2.16%	0.140%
94	16.637	1269	1273	1275	rBV	179102	403784	5.43%	0.353%
95	16.683	1275	1277	1279	rBV2	133247	188375	2.54%	0.165%
96	16.877	1289	1294	1301	rVB	711860	1520643	20.47%	1.330%
97	17.071	1308	1311	1318	rVB	233359	483679	6.51%	0.423%
98	18.820	1459	1464	1471	rVB	178105	567509	7.64%	0.496%
99	18.980	1472	1478	1481	rBV2	114981	403200	5.43%	0.353%
100	19.254	1500	1502	1510	rVB5	40537	150365	2.02%	0.132%

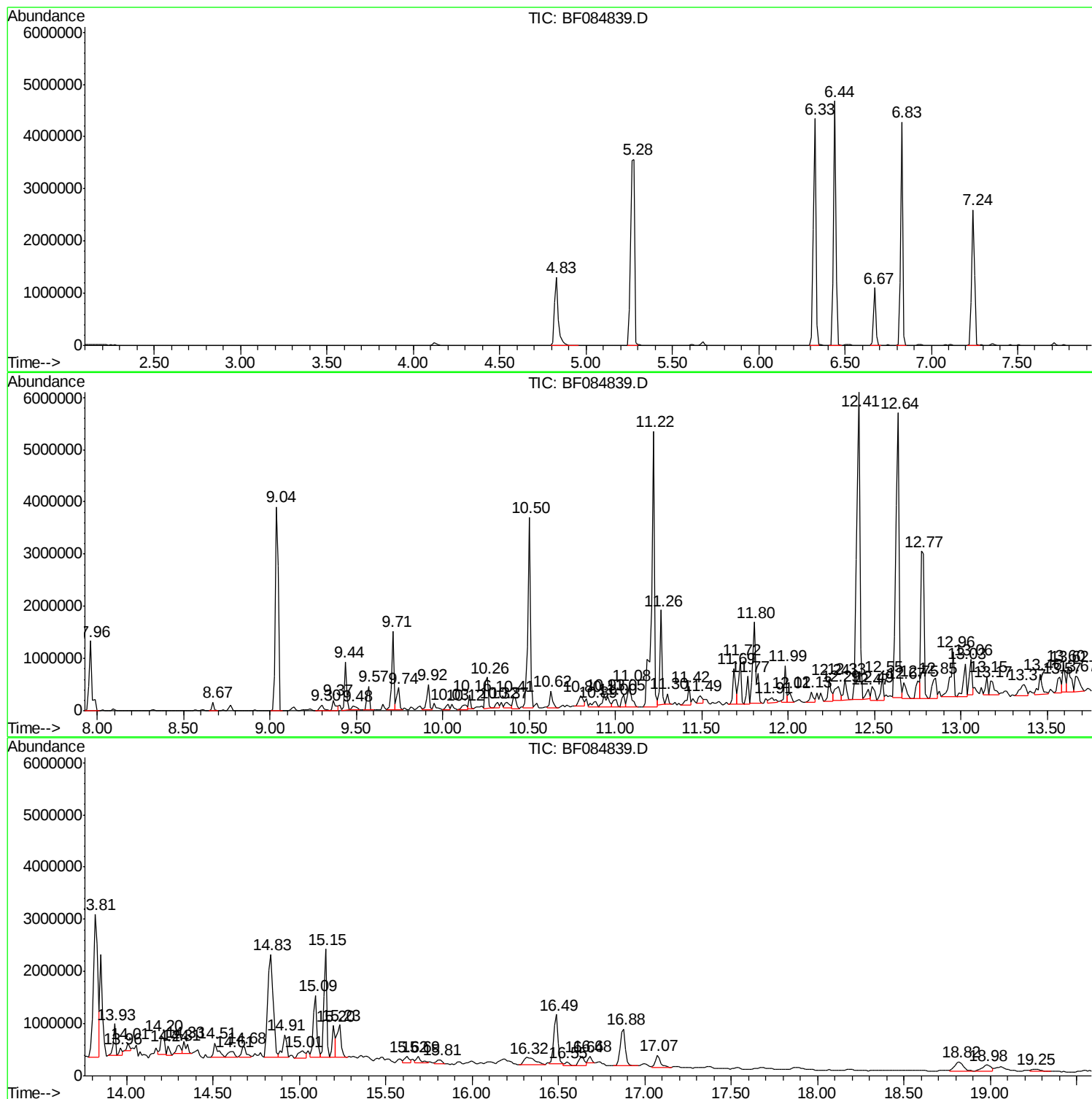
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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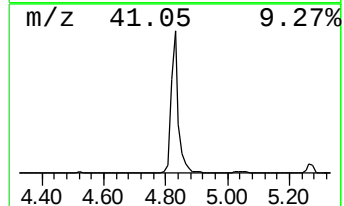
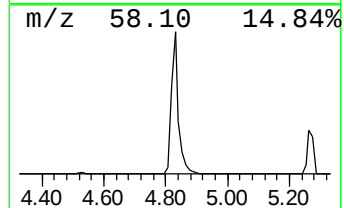
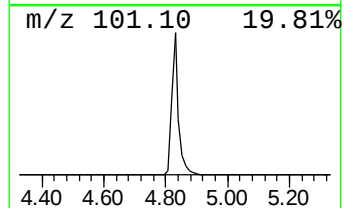
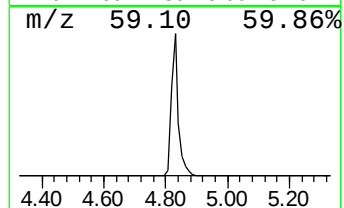
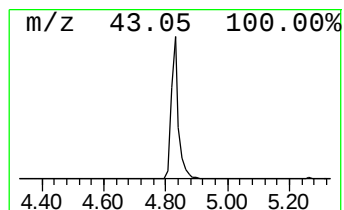
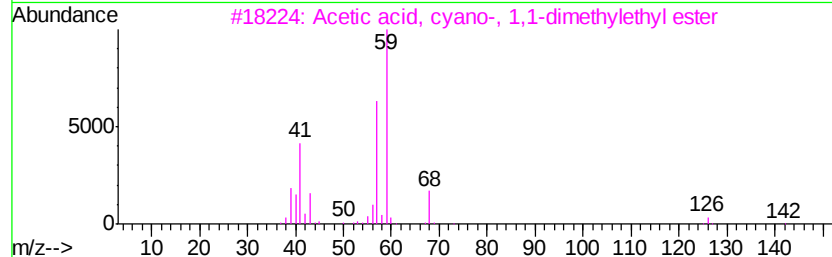
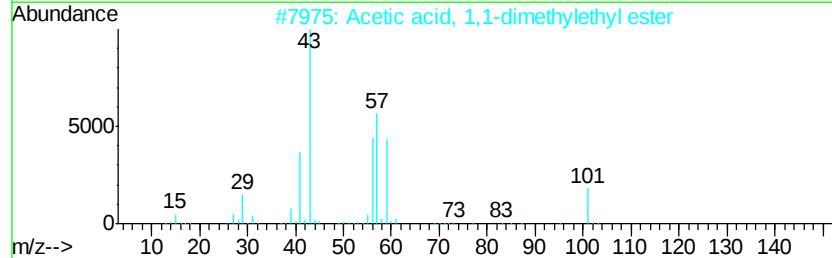
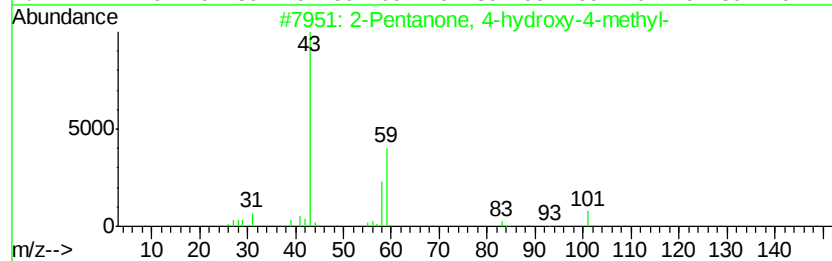
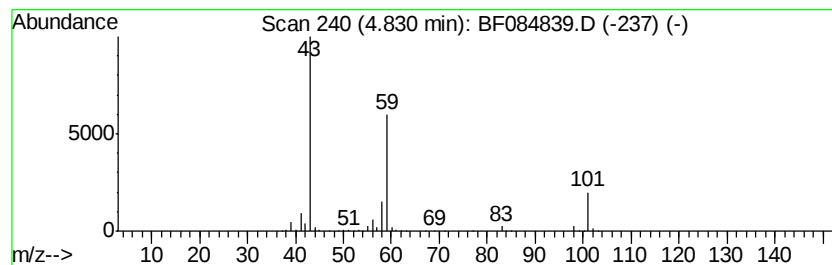
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	44.94 ng	2056390	1,4-Dichlorobenzene-d4	6.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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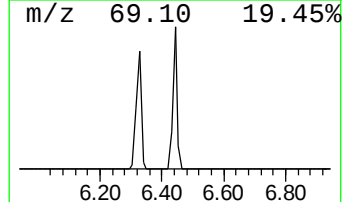
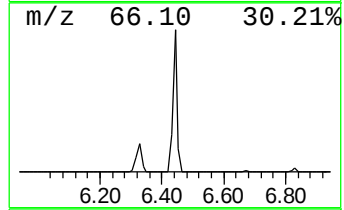
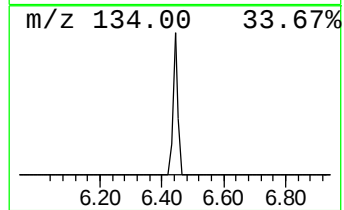
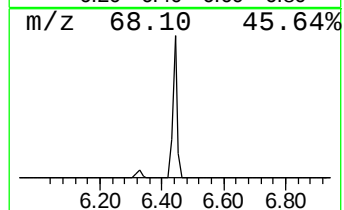
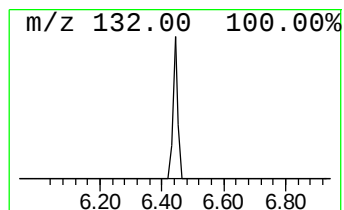
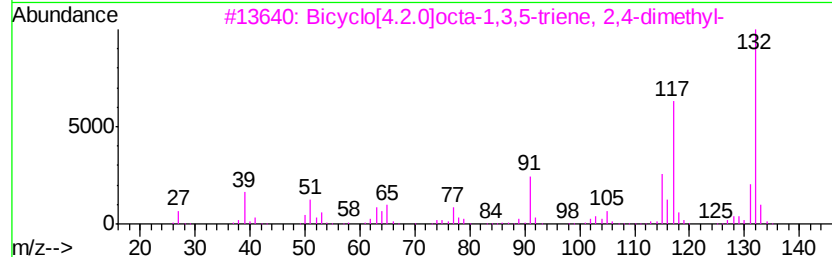
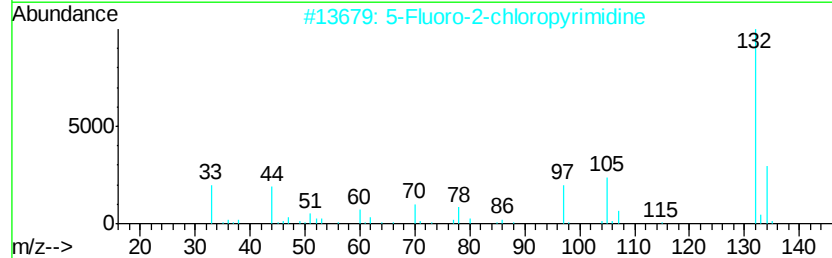
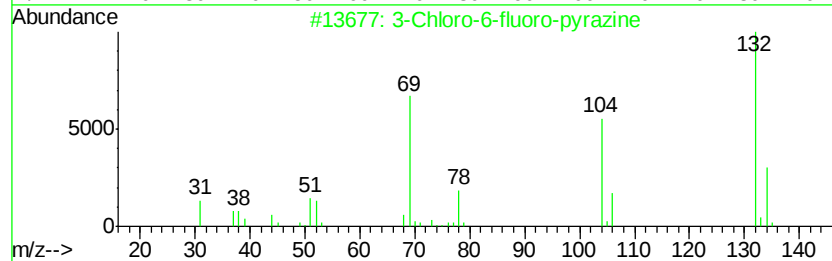
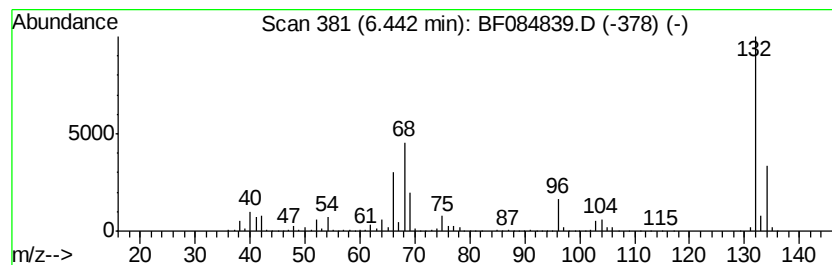
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	106.34 ng	4865740	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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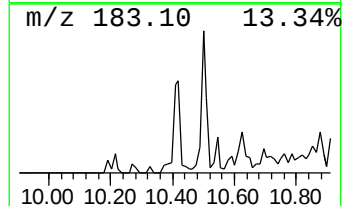
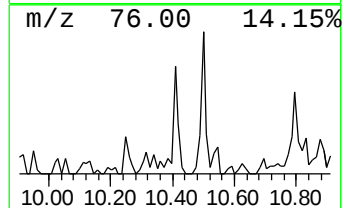
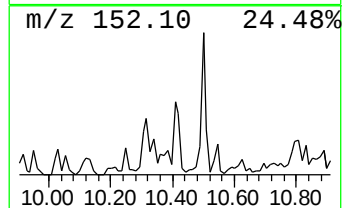
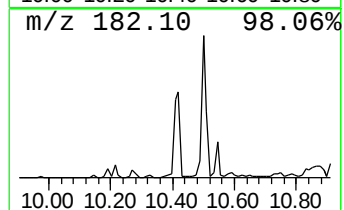
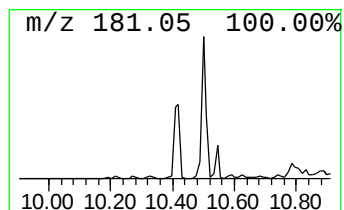
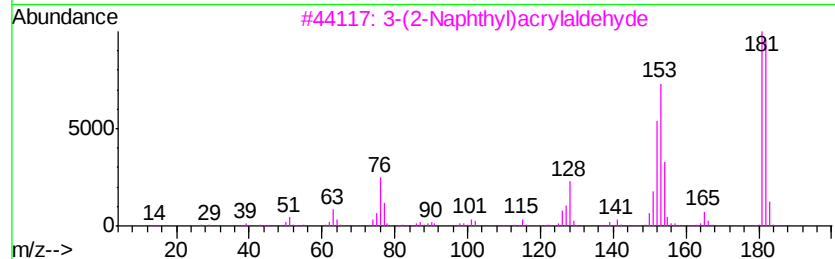
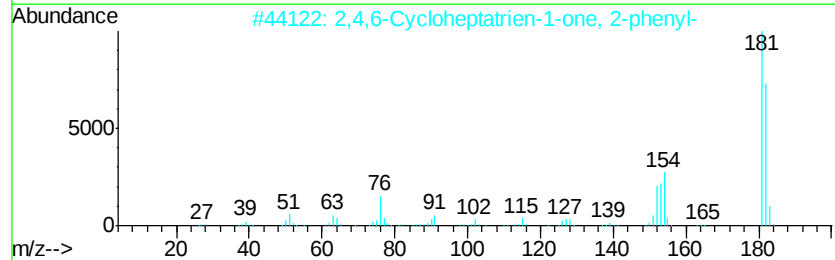
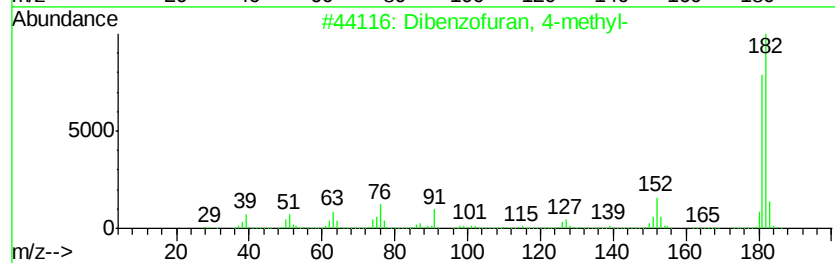
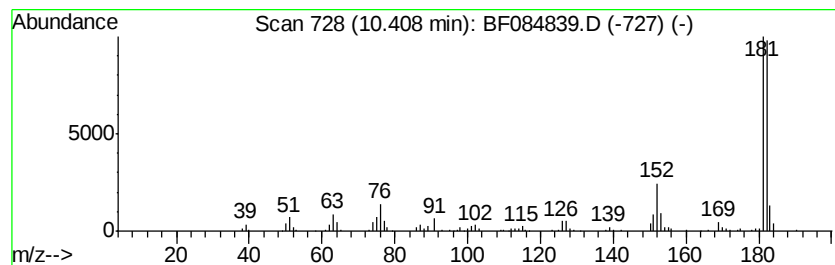
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	4.60 ng	322855	Acenaphthene-d10	9.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3			3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
4			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
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Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
Sample : H1320-08
Misc :
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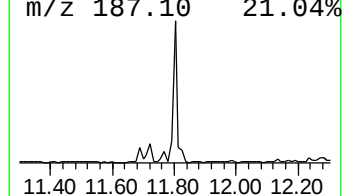
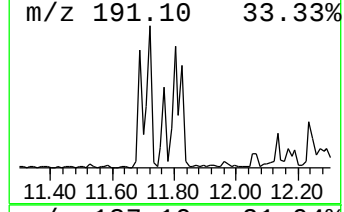
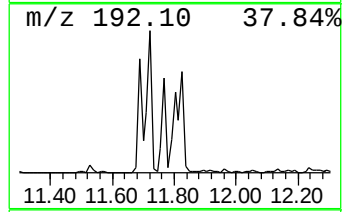
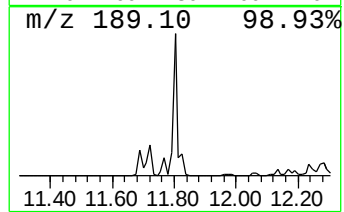
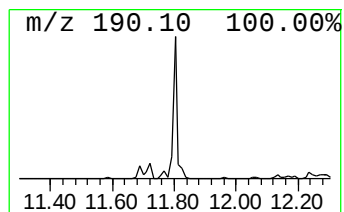
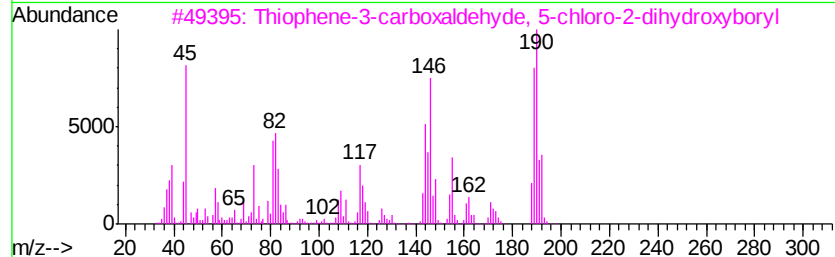
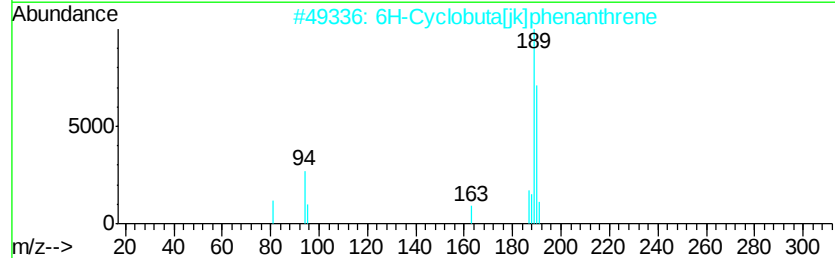
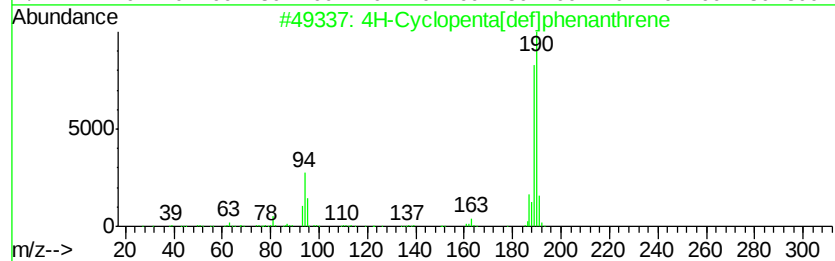
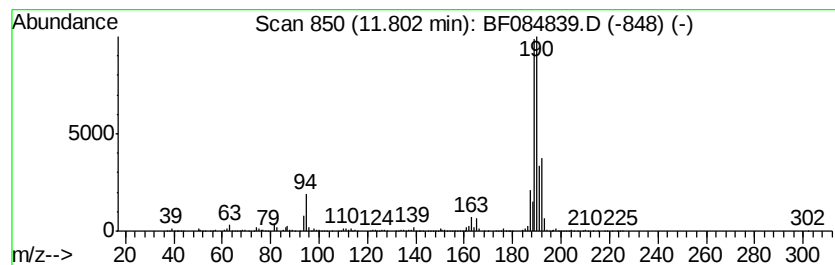
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ClientSampleId :
S4-B012(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.80	6.33 ng	2028300	Phenanthrene-d10	11.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	72
3		Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	52
4		2,3,5,6-Tetramethylterephthalaldehyde	190	C12H14O2	007072-01-7	50
5		Methyl diselenide	190	C2H6Se2	007101-31-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084839.D
Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
Sample : H1320-08
Misc :
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Instrument :
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ClientSampleId :
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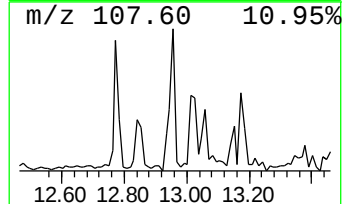
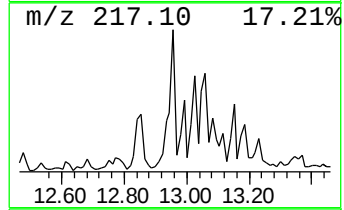
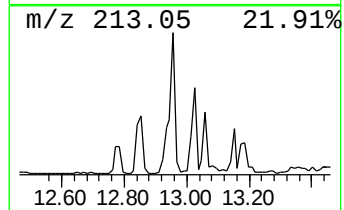
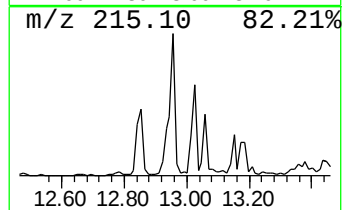
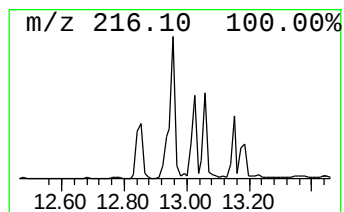
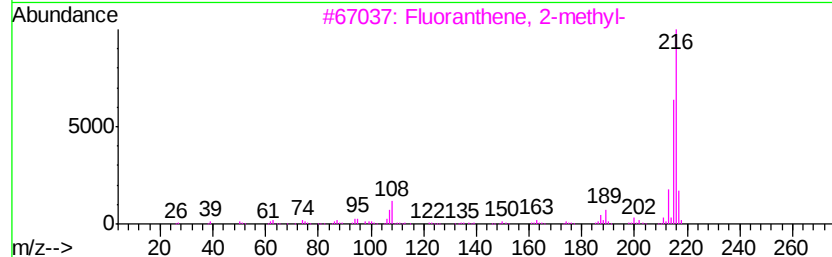
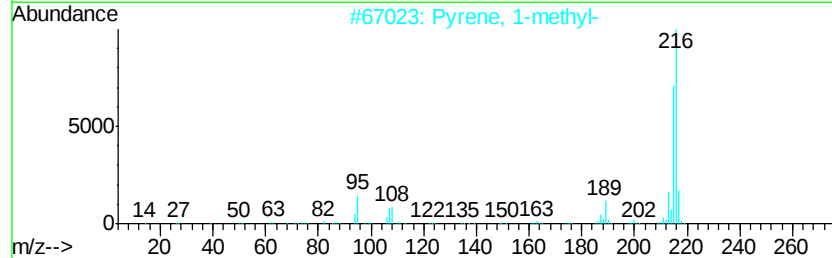
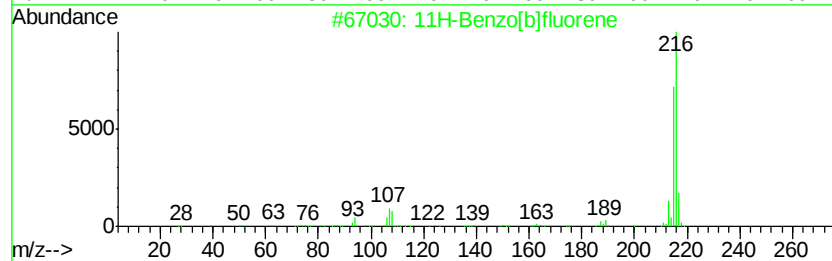
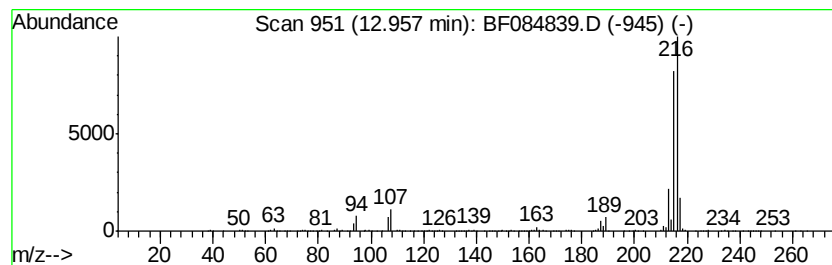
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.61 ng	1283030	Chrysene-d12	13.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084839.D
Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
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Instrument :
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ClientSampleId :
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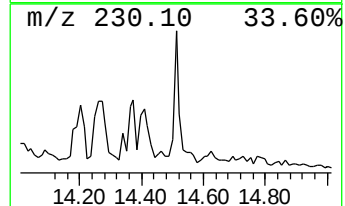
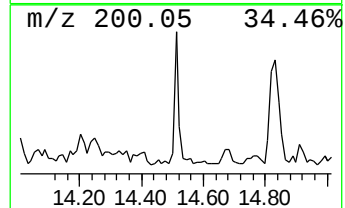
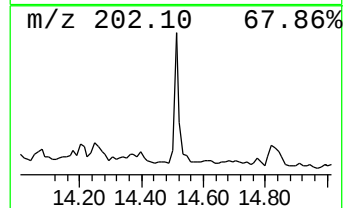
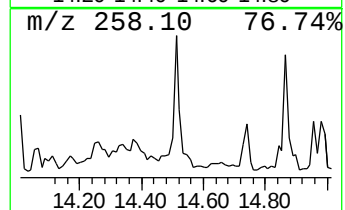
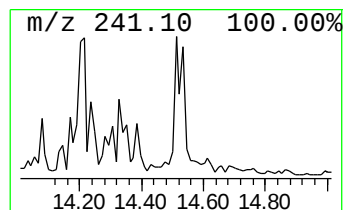
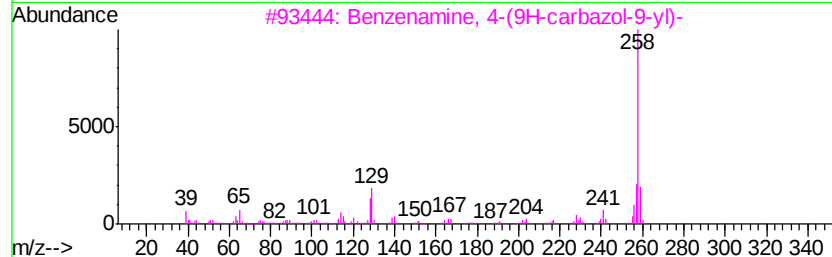
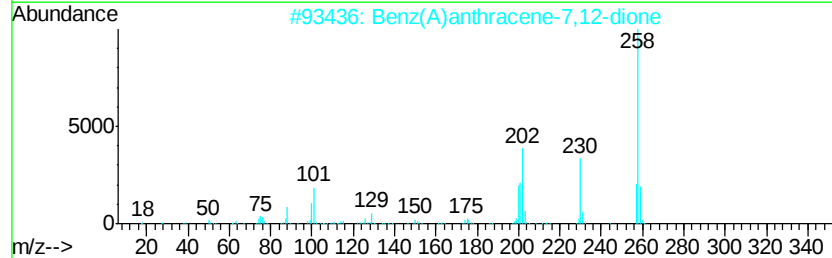
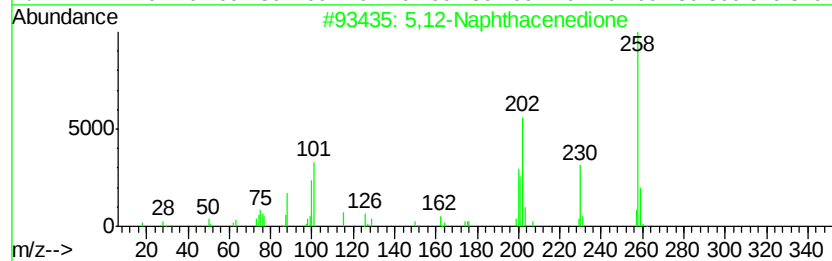
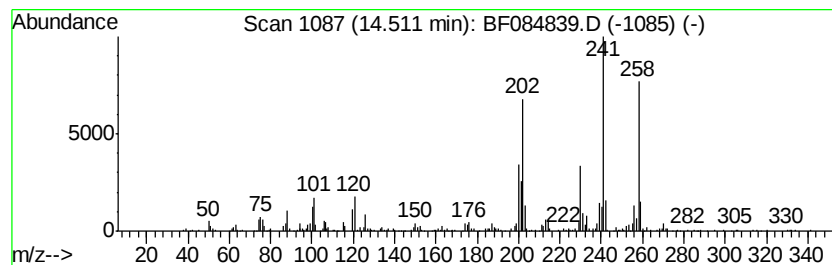
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5,12-Naphthacenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	12.38 ng	462777	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
3		Benzenamine, 4-(9H-carbazol-9-yl)-	258	C18H14N2	052708-37-9	38
4		Dibenzo(b,def)carbazole	241	C18H11N	104313-09-9	35
5		4,8,9-Trihydroxy-6-methyl-3,4-di...	258	C15H14O4	1000210-20-3	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084839.D
Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
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ClientSampleId :
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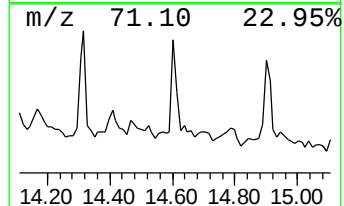
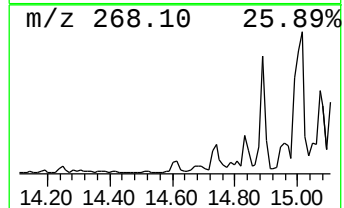
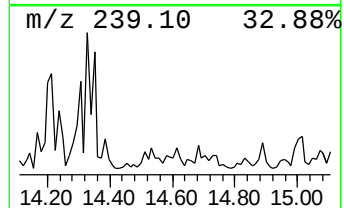
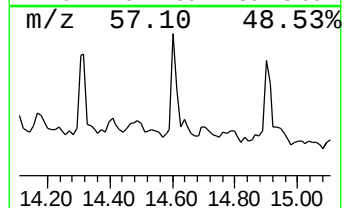
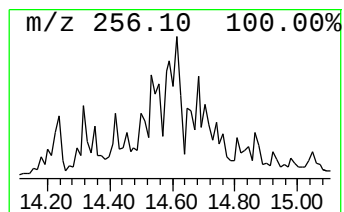
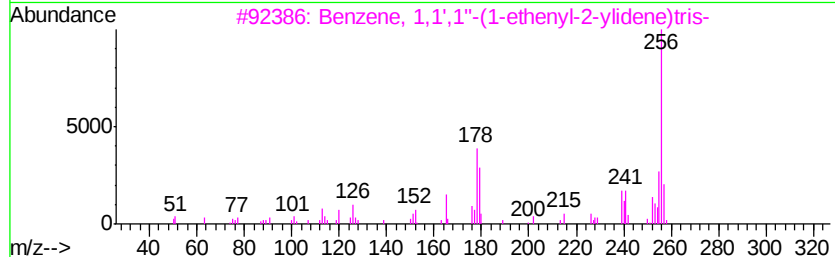
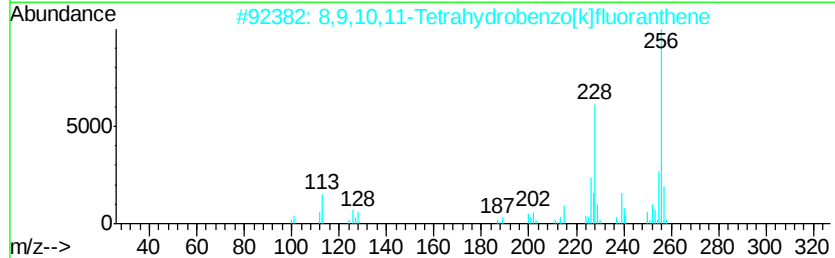
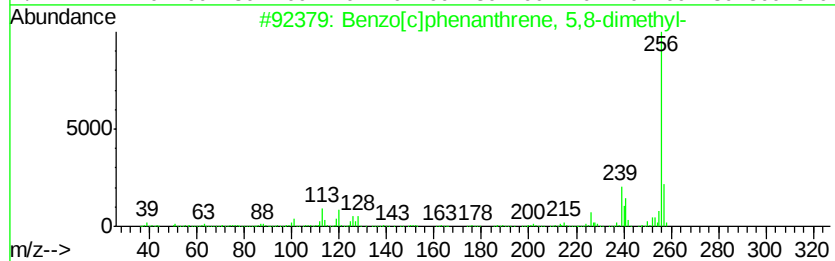
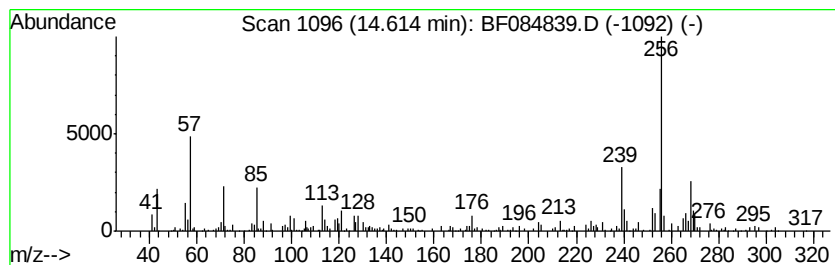
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	7.84 ng	292979	Perylene-d12	15.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	55
2			8,9,10,11-Tetrahydrobenzo[k]fluoranthene	256	C20H16	033942-81-3	52
3			Benzene, 1,1',1''-(1-ethenyl-2-ylidene)tris-	256	C20H16	000058-72-0	49
4			Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	45
5			Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084839.D
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ClientSampleId :
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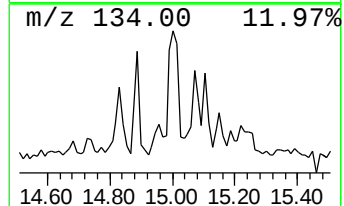
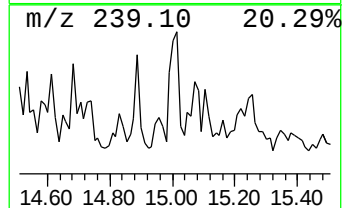
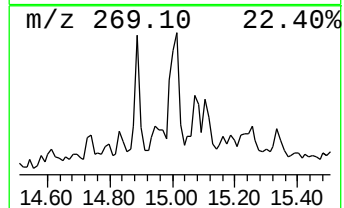
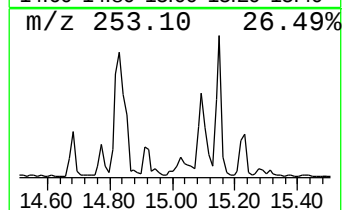
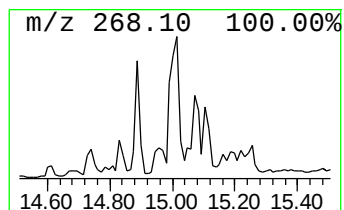
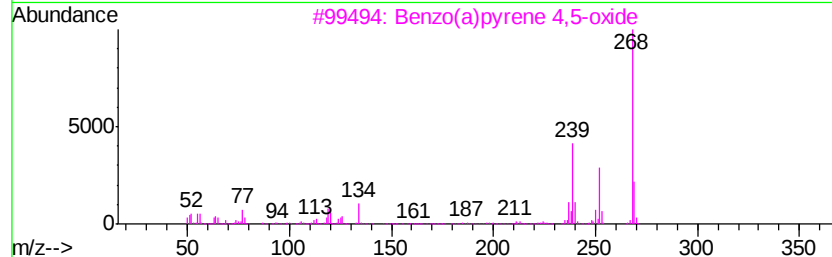
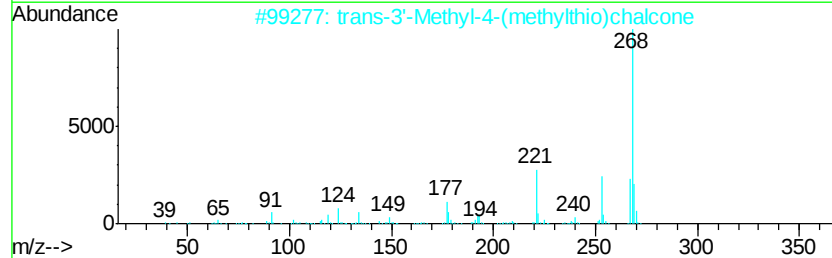
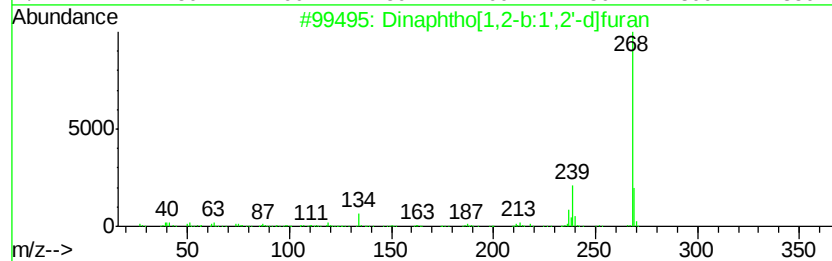
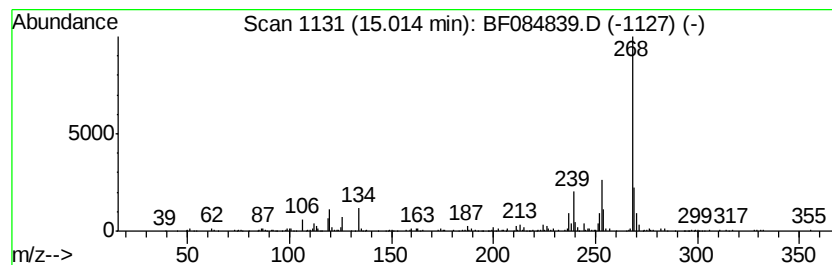
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	10.34 ng	386519	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	64
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	59
5		3-Methylcholanthrene	268	C21H16	000056-49-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
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Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
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Instrument :
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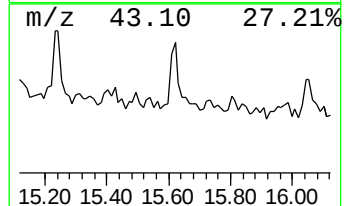
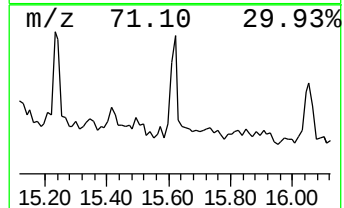
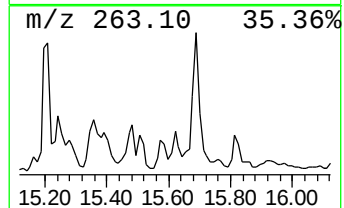
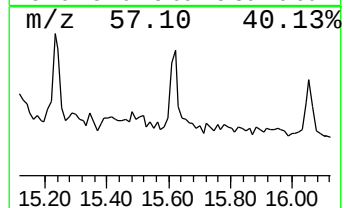
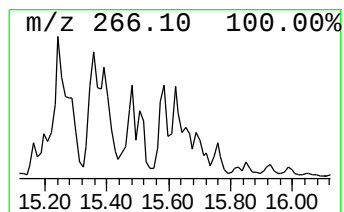
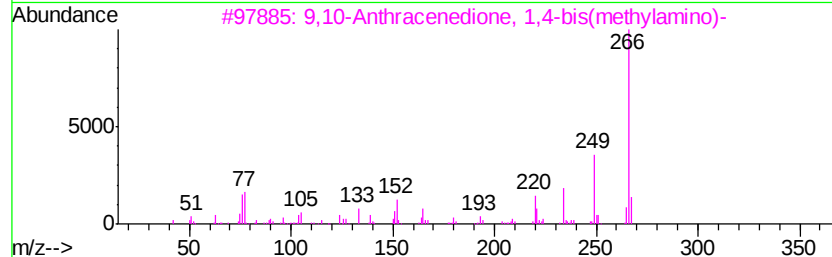
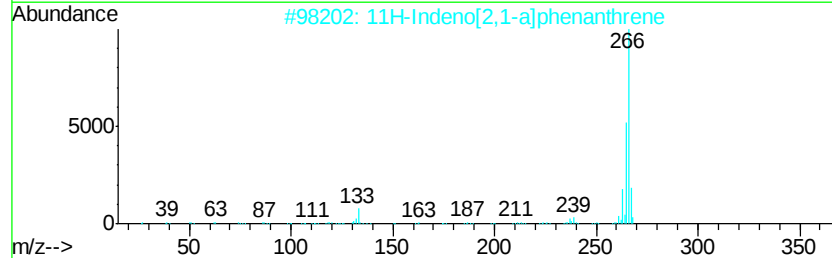
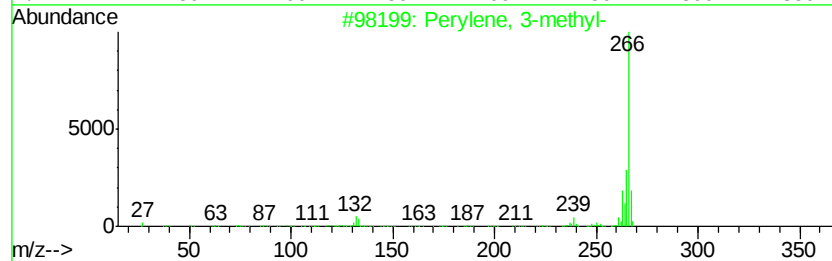
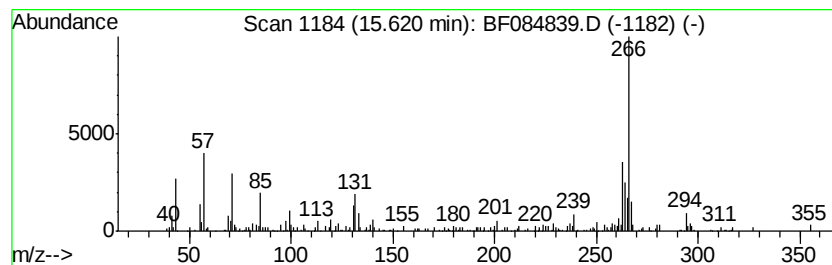
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown15.62 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	5.61 ng	209651	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene, 3-methyl-	266	C21H14	024471-47-4	49
2		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	46
3		9,10-Anthracenedione, 1,4-bis(me...	266	C16H14N2O2	002475-44-7	46
4		(1-Cyclohexenyl)ferrocene	266	C16H18Fe	033183-07-2	43
5		2-Amino-3-cyano-5-[2-[3,4-methyl...	266	C14H10N4O2	1000252-72-1	43



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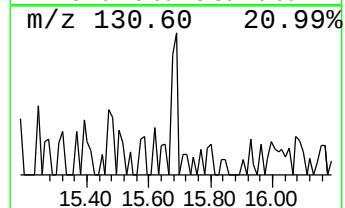
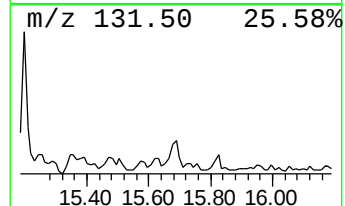
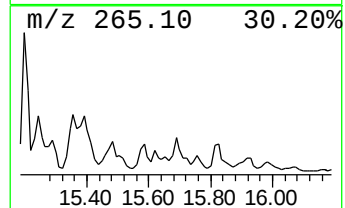
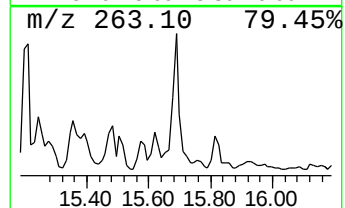
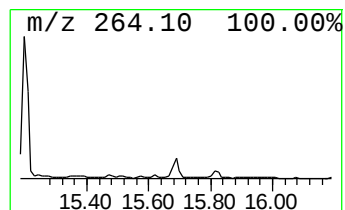
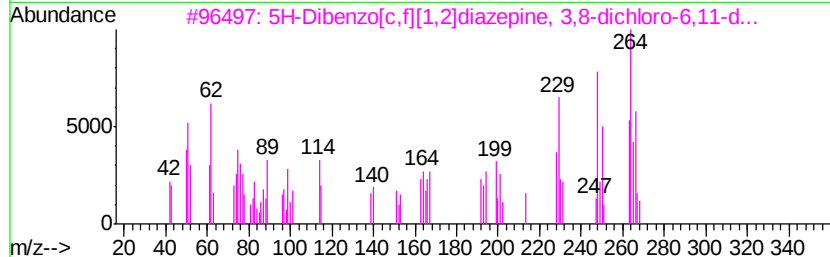
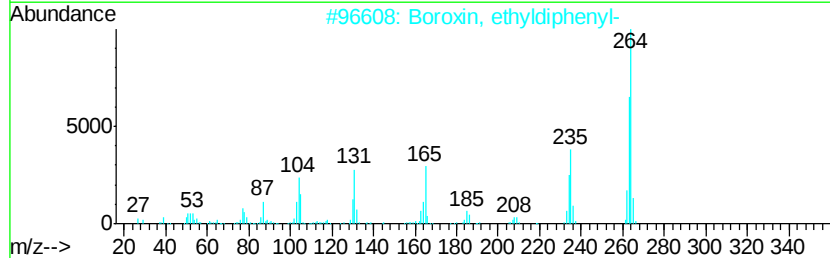
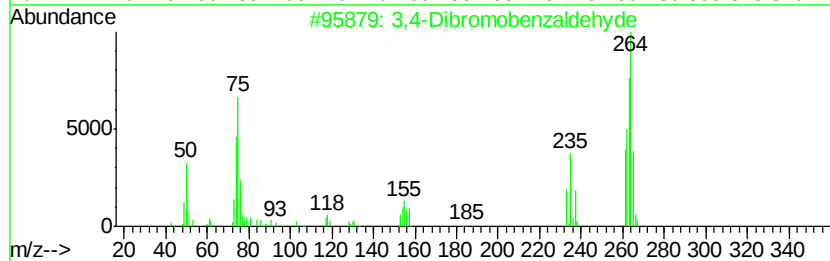
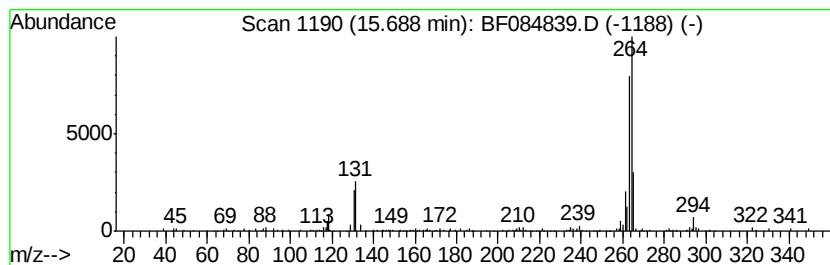
Instrument :
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ClientSampleId :
S4-B012(5-7)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.69	6.84 ng	255728	Perylene-d12	15.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64	
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38	
3	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	38	
4	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25	
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	25	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084839.D
Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
Sample : H1320-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B012(5-7)

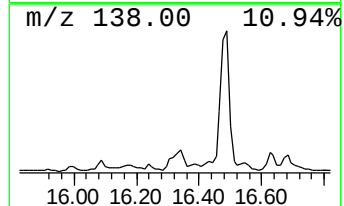
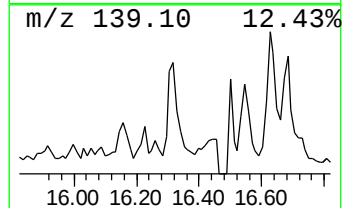
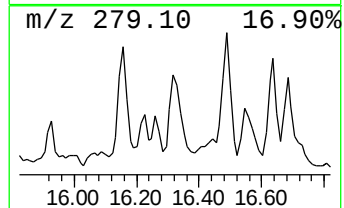
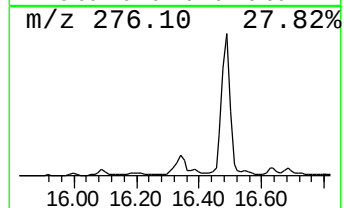
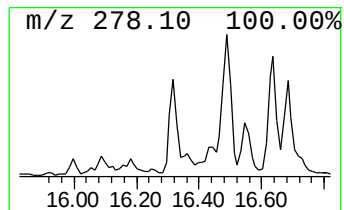
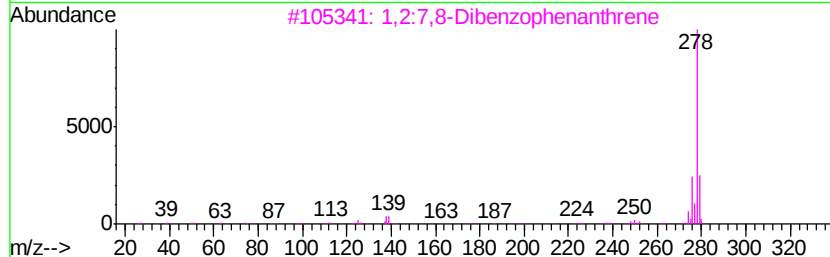
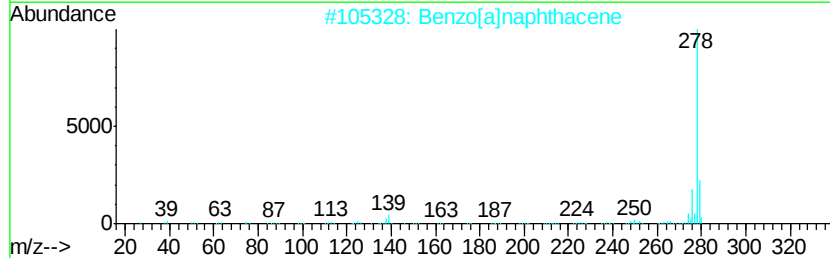
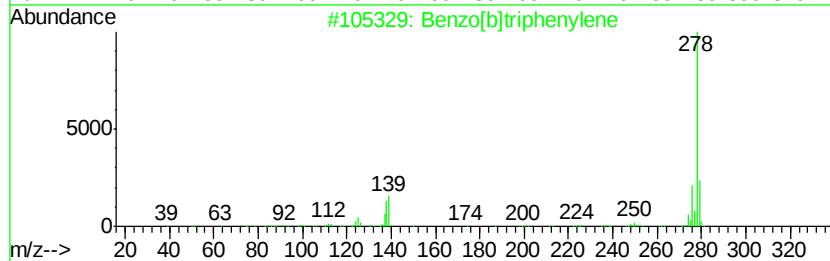
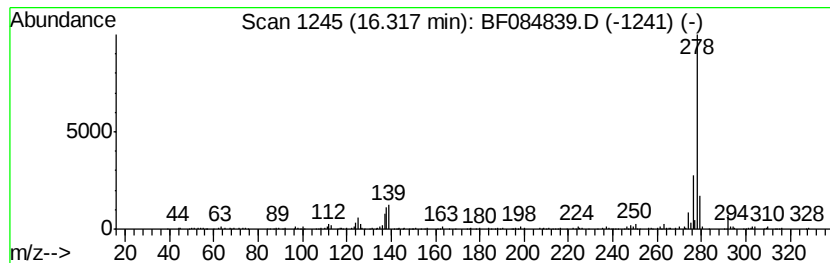
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	17.41 ng	650806	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	90
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5		Benzo[b]chrysene	278	C22H14	000214-17-5	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
Data File : BF084839.D
Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
Sample : H1320-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B012(5-7)

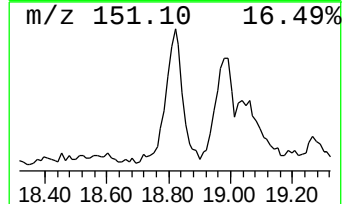
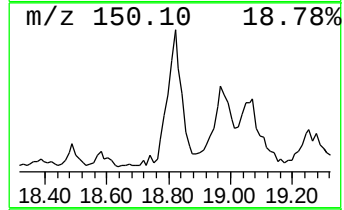
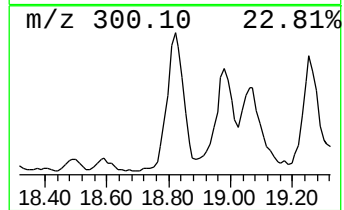
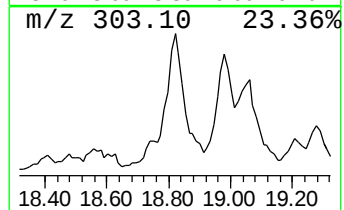
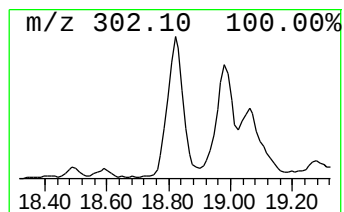
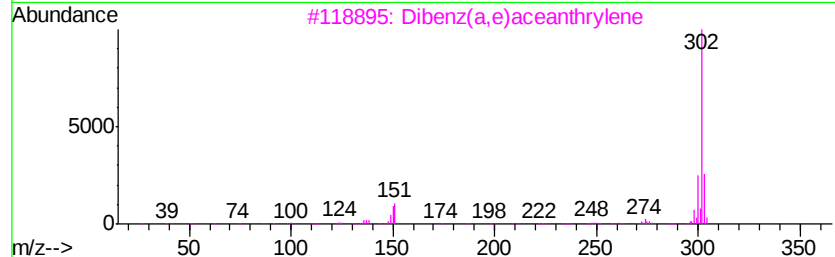
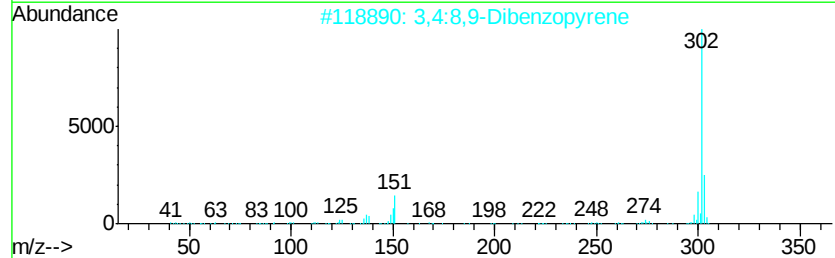
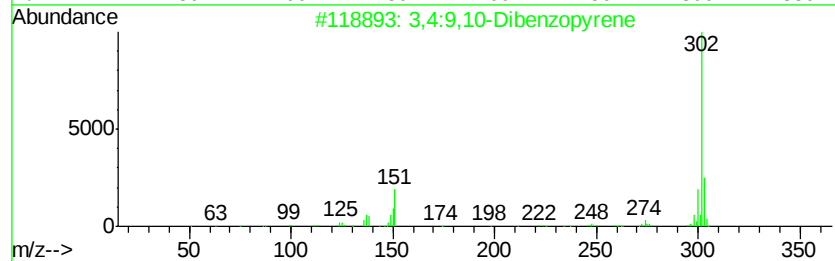
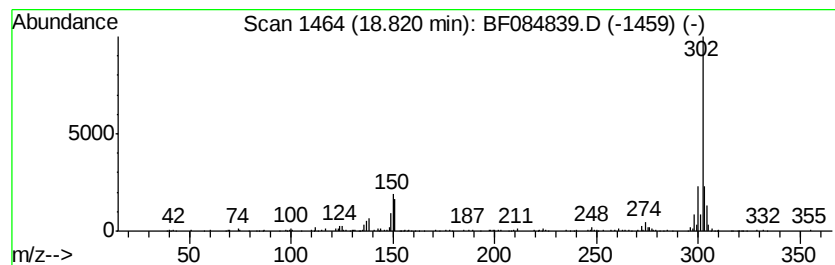
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	15.18 ng	567509	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	96
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	90
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
Data File : BF084839.D
Acq On : 4 Feb 2016 20:12
Operator : SJ/IZ
Sample : H1320-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

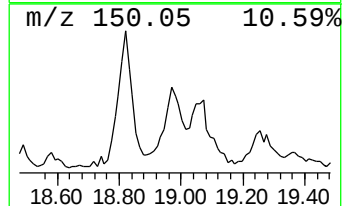
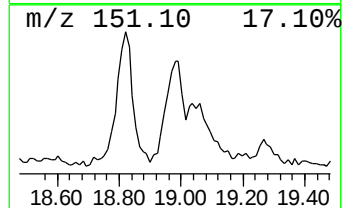
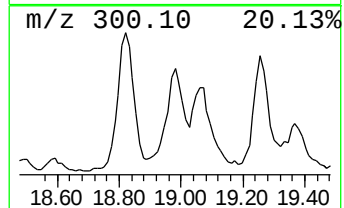
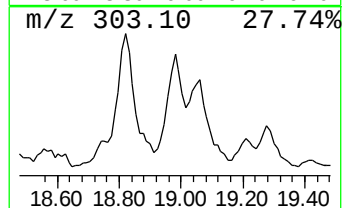
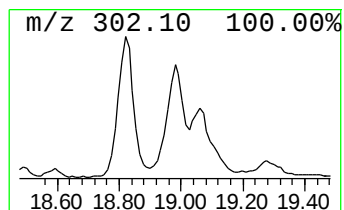
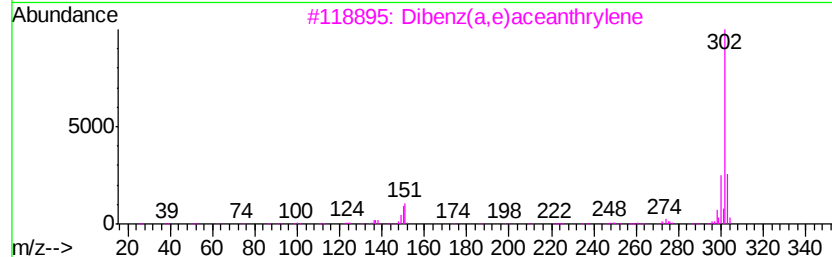
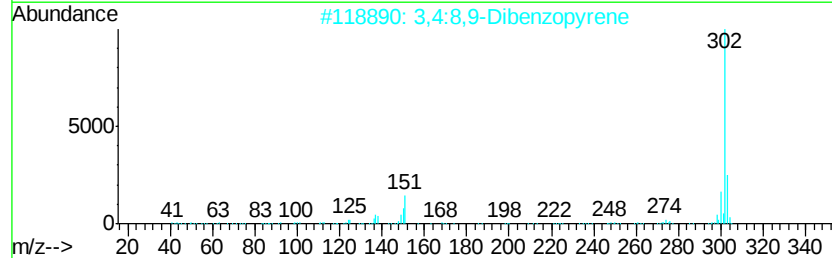
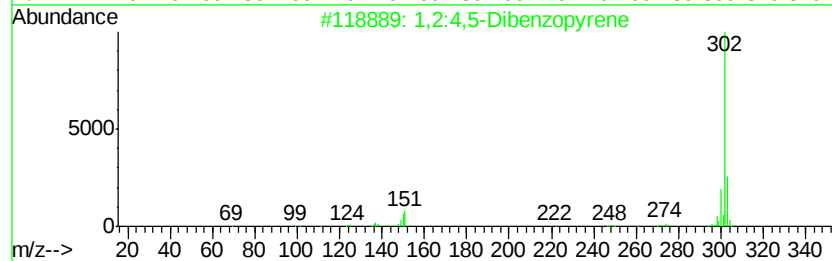
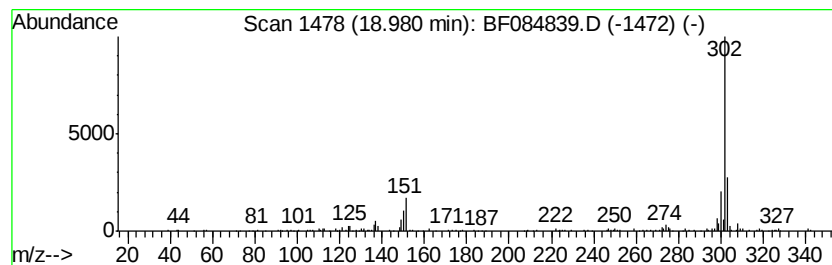
Instrument :
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ClientSampleId :
S4-B012(5-7)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.98	10.79 ng	403200	Perylene-d12	15.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopvrene	302	C24H14	000192-65-4	95
2	3,4:8,9-Dibenzopvrene	302	C24H14	000189-64-0	94
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4	3,4:9,10-Dibenzopvrene	302	C24H14	000189-55-9	93
5	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020416\
 Data File : BF084839.D
 Acq On : 4 Feb 2016 20:12
 Operator : SJ/IZ
 Sample : H1320-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.83	44.9	ng	2056390	1	6.67	915141	20.0
unknown6.44	6.44	106.3	ng	4865740	1	6.67	915141	20.0
Dibenzofuran, 4-m...	10.41	4.6	ng	322855	3	9.71	1403610	20.0
4H-Cyclopenta[def...	11.80	6.3	ng	2028300	4	11.19	6407150	20.0
11H-Benzo[b]fluorene	12.96	5.6	ng	1283030	5	13.83	4574820	20.0
5,12-Naphthacened...	14.51	12.4	ng	462777	6	15.20	747492	20.0
Benzo[c]phenanthr...	14.61	7.8	ng	292979	6	15.20	747492	20.0
Dinaphtho[1,2-b:1...	15.01	10.3	ng	386519	6	15.20	747492	20.0
unknown15.62	15.62	5.6	ng	209651	6	15.20	747492	20.0
3,4-Dibromobenzal...	15.69	6.8	ng	255728	6	15.20	747492	20.0
Benzo[b]triphenylene	16.32	17.4	ng	650806	6	15.20	747492	20.0
3,4:9,10-Dibenzop...	18.82	15.2	ng	567509	6	15.20	747492	20.0
1,2:4,5-Dibenzopy...	18.98	10.8	ng	403200	6	15.20	747492	20.0