

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086946.D
 Acq On : 12 May 2016 22:49
 Operator : UM/SJ
 Sample : H2994-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)

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-BF050916.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	1.632	3	4	12	rVB	655479	1012520	11.47%	0.849%
2	1.747	12	14	49	rVB	3743822	8830885	100.00%	7.406%
3	4.764	276	278	284	rBV	296515	513072	5.81%	0.430%
4	5.221	315	318	320	rBV	2919000	4193205	47.48%	3.517%
5	6.296	409	412	414	rVV	3672618	4656533	52.73%	3.905%
6	6.399	418	421	423	rVV	4254099	4477285	50.70%	3.755%
7	6.444	423	425	429	rVB2	160137	240092	2.72%	0.201%
8	6.616	438	440	444	rBV	879260	1093672	12.38%	0.917%
9	6.776	452	454	457	rBV	3348745	3138178	35.54%	2.632%
10	7.199	488	491	493	rVV	2953351	3098313	35.08%	2.598%
11	7.907	551	553	557	rBV2	1582264	1934579	21.91%	1.622%
12	8.342	589	591	597	rVB	192176	222242	2.52%	0.186%
13	8.627	613	616	618	rVV	290182	424761	4.81%	0.356%
14	8.719	619	624	626	rBV	467163	487824	5.52%	0.409%
15	8.993	645	648	650	rBV	4277723	4521178	51.20%	3.792%
16	9.313	675	676	678	rVV	268546	400476	4.53%	0.336%
17	9.347	678	679	681	rVV	261622	227887	2.58%	0.191%
18	9.393	681	683	684	rVV	430817	474350	5.37%	0.398%
19	9.439	684	687	689	rVB2	156907	289771	3.28%	0.243%
20	9.519	689	694	696	rBV	1365497	1205702	13.65%	1.011%
21	9.599	700	701	703	rBV	269142	271141	3.07%	0.227%
22	9.656	703	706	708	rBV	1479478	1512166	17.12%	1.268%
23	9.862	722	724	725	rVV	370659	329690	3.73%	0.276%
24	10.056	739	741	744	rBV2	146532	303045	3.43%	0.254%
25	10.102	744	745	747	rVV2	444826	360807	4.09%	0.303%
26	10.193	752	753	757	rVB2	267720	421502	4.77%	0.353%
27	10.319	762	764	766	rVV3	204031	349423	3.96%	0.293%
28	10.365	766	768	770	rVV	177670	316502	3.58%	0.265%
29	10.445	772	775	777	rVV	2498021	2510429	28.43%	2.105%
30	10.570	784	786	789	rBV	602743	907523	10.28%	0.761%
31	10.753	799	802	807	rBV5	118881	335192	3.80%	0.281%
32	10.879	810	813	817	rVV3	264596	577211	6.54%	0.484%
33	10.948	817	819	821	rVB	259954	279408	3.16%	0.234%
34	11.016	824	825	829	rVB2	326478	512791	5.81%	0.430%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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35	11.153	833	837	839	rBV2	1730826	3230852	36.59%	2.710%
36	11.211	839	842	844	rVV	992376	891804	10.10%	0.748%
37	11.371	854	856	860	rVV2	337373	519772	5.89%	0.436%
38	11.439	860	862	864	rVV2	207313	287567	3.26%	0.241%
39	11.633	877	879	880	rBV	636845	588327	6.66%	0.493%
40	11.668	880	882	883	rVV	620641	914929	10.36%	0.767%
41	11.691	883	884	887	rVV2	596006	820821	9.29%	0.688%
42	11.748	887	889	894	rVB4	702571	1455839	16.49%	1.221%
43	11.851	896	898	901	rVB3	246966	287992	3.26%	0.242%
44	11.931	901	905	906	rBV	406618	417418	4.73%	0.350%
45	11.953	906	907	909	rVB	362291	465577	5.27%	0.390%
46	12.079	915	918	920	rBV3	182452	363822	4.12%	0.305%
47	12.113	920	921	925	rVB	251740	365312	4.14%	0.306%
48	12.182	925	927	928	rBV	618382	650080	7.36%	0.545%
49	12.239	928	932	933	rVV2	419967	932286	10.56%	0.782%
50	12.273	933	935	939	rVV	592830	695512	7.88%	0.583%
51	12.353	939	942	944	rVV	3439803	4733091	53.60%	3.969%
52	12.411	944	947	948	rVV2	174204	351847	3.98%	0.295%
53	12.434	948	949	951	rVV	540677	542960	6.15%	0.455%
54	12.479	951	953	955	rVV2	325987	642202	7.27%	0.539%
55	12.571	958	961	963	rVV	3025062	4113155	46.58%	3.450%
56	12.616	963	965	969	rVB3	335495	611012	6.92%	0.512%
57	12.685	969	971	972	rBV	358433	406757	4.61%	0.341%
58	12.719	972	974	977	rVB	2875208	2924224	33.11%	2.452%
59	12.788	977	980	982	rBV2	537678	949927	10.76%	0.797%
60	12.902	985	990	991	rVB2	654149	1501795	17.01%	1.260%
61	12.959	991	995	997	rBV3	429914	734050	8.31%	0.616%
62	12.994	997	998	1002	rVV	631082	995982	11.28%	0.835%
63	13.085	1005	1006	1008	rVB	261581	348441	3.95%	0.292%
64	13.119	1008	1009	1013	rBV2	383739	559840	6.34%	0.470%
65	13.199	1014	1016	1019	rVB3	381622	491734	5.57%	0.412%
66	13.302	1021	1025	1030	rBV7	298141	806709	9.14%	0.677%
67	13.405	1033	1034	1037	rVV	967077	946681	10.72%	0.794%
68	13.508	1041	1043	1045	rBV	550879	956363	10.83%	0.802%
69	13.542	1045	1046	1047	rVV	575384	519642	5.88%	0.436%
70	13.565	1047	1048	1051	rVV2	440473	668274	7.57%	0.560%
71	13.622	1051	1053	1057	rVB	812500	1247767	14.13%	1.046%

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72	13.759	1062	1065	1067	rBV2	2715207	4694466	53.16%	3.937%
73	13.794	1067	1068	1072	rVB	2364549	2277029	25.78%	1.910%
74	13.908	1076	1078	1082	rVV3	438056	1121739	12.70%	0.941%
75	13.999	1085	1086	1087	rVV	367479	291289	3.30%	0.244%
76	14.034	1087	1089	1092	rVB2	213719	480323	5.44%	0.403%
77	14.114	1095	1096	1097	rBV	250270	296621	3.36%	0.249%
78	14.148	1097	1099	1101	rVV	658154	944205	10.69%	0.792%
79	14.182	1101	1102	1105	rVV2	390305	582440	6.60%	0.488%
80	14.239	1105	1107	1109	rVV3	223249	431841	4.89%	0.362%
81	14.274	1109	1110	1115	rVB3	471237	633337	7.17%	0.531%
82	14.457	1124	1126	1131	rBV6	190497	607184	6.88%	0.509%
83	14.617	1138	1140	1144	rVB2	336037	592235	6.71%	0.497%
84	14.777	1150	1154	1157	rBV	2293776	5134650	58.14%	4.306%
85	14.834	1157	1159	1160	rVV	233299	341535	3.87%	0.286%
86	14.857	1160	1161	1163	rVV	881628	863071	9.77%	0.724%
87	14.948	1166	1169	1171	rBV2	239913	522779	5.92%	0.438%
88	15.028	1173	1176	1179	rVV	1352909	1905809	21.58%	1.598%
89	15.085	1179	1181	1183	rVV	1820237	2187504	24.77%	1.835%
90	15.131	1183	1185	1186	rVV	615080	707424	8.01%	0.593%
91	15.154	1186	1187	1192	rVV2	466484	901996	10.21%	0.756%
92	15.520	1216	1219	1223	rBV4	170109	480092	5.44%	0.403%
93	16.217	1277	1280	1284	rBV4	116124	356844	4.04%	0.299%
94	16.388	1291	1295	1298	rBV	814043	1555446	17.61%	1.304%
95	16.537	1305	1308	1310	rBV	143010	265601	3.01%	0.223%
96	16.765	1325	1328	1334	rVB	529564	979097	11.09%	0.821%
97	16.971	1343	1346	1352	rVB2	150993	441489	5.00%	0.370%
98	17.691	1406	1409	1414	rBV6	69443	231936	2.63%	0.195%
99	18.663	1489	1494	1502	rVB	211883	660674	7.48%	0.554%
100	18.823	1503	1508	1511	rBV	122385	378858	4.29%	0.318%

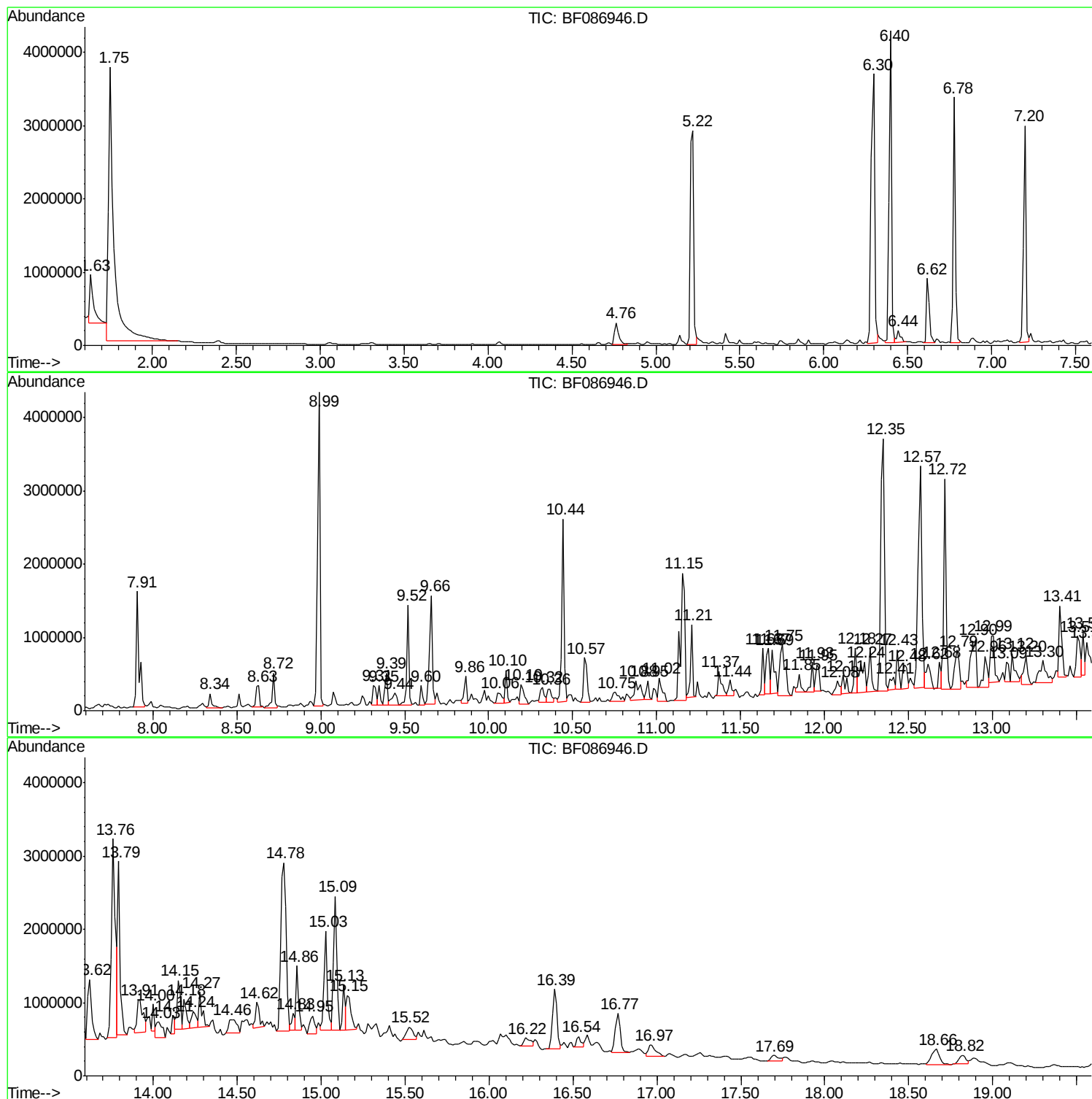
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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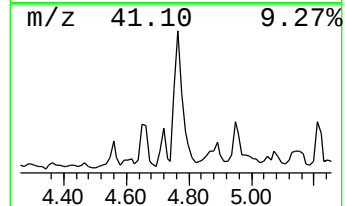
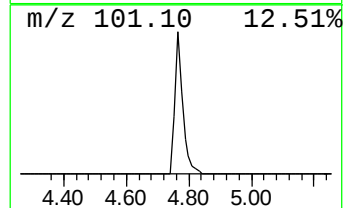
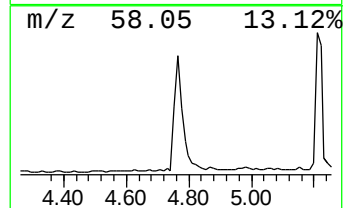
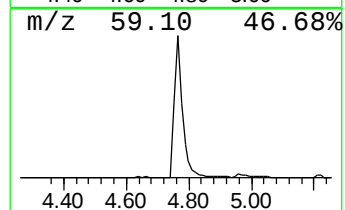
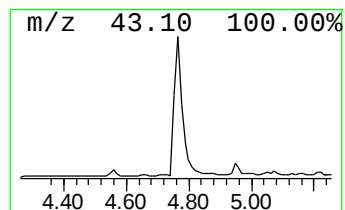
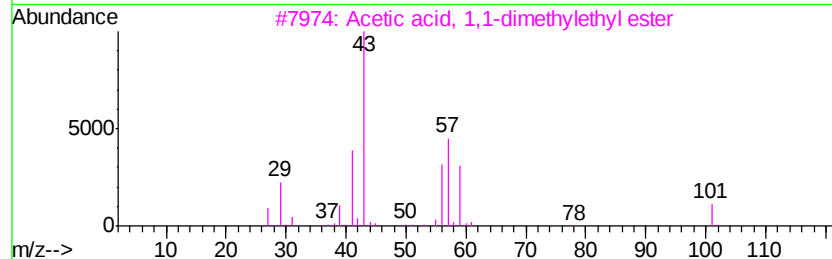
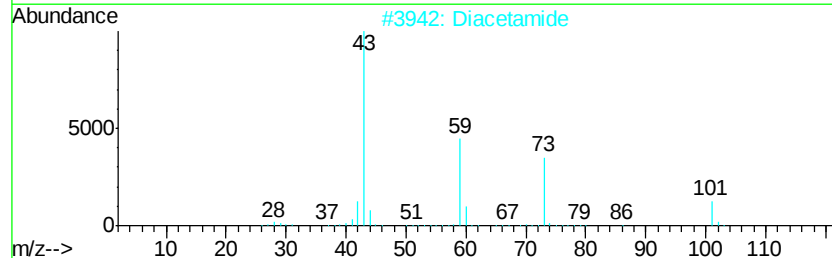
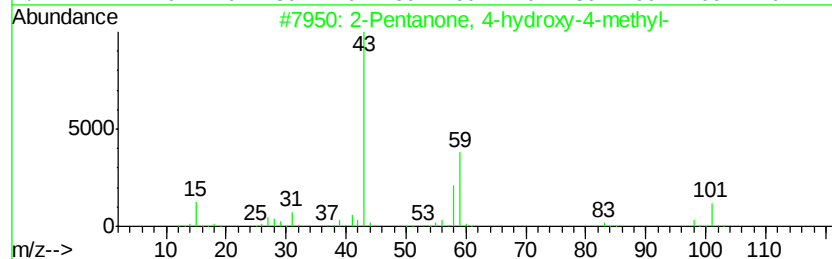
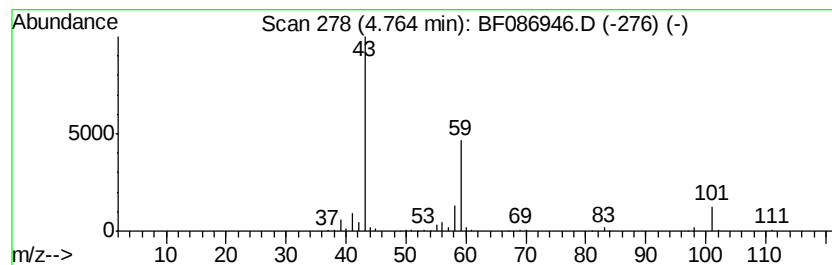
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	9.38 ng	513072	1,4-Dichlorobenzene-d4	6.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Diacetamide	101	C4H7NO2	000625-77-4	36
3			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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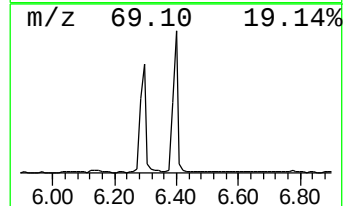
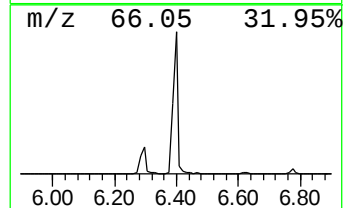
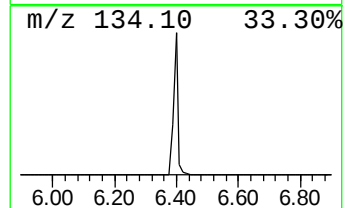
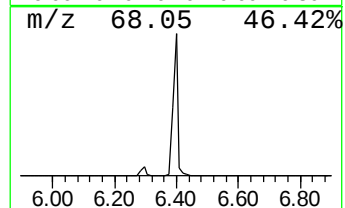
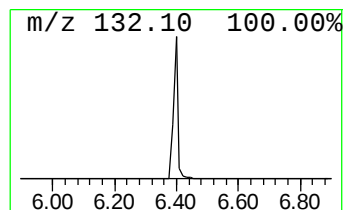
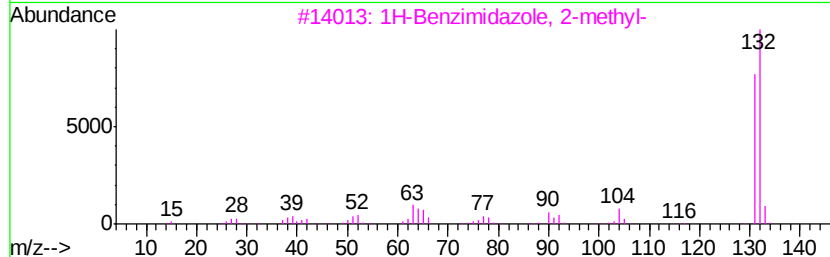
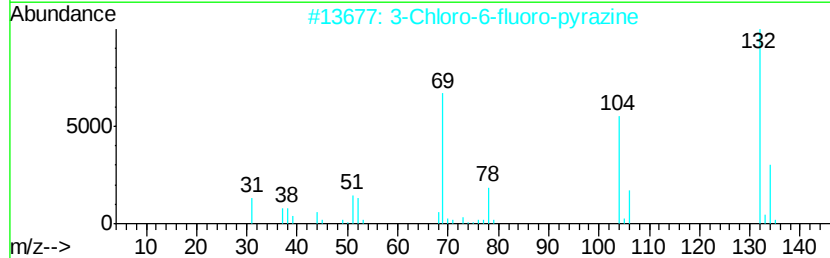
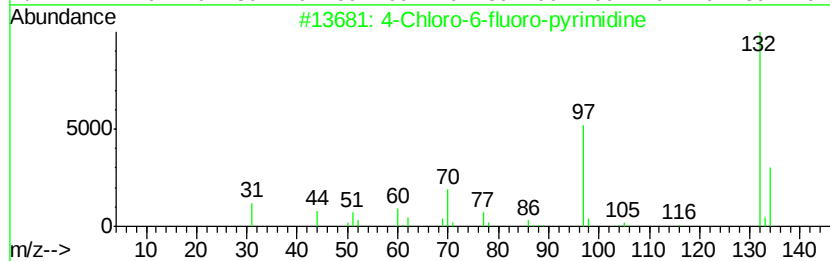
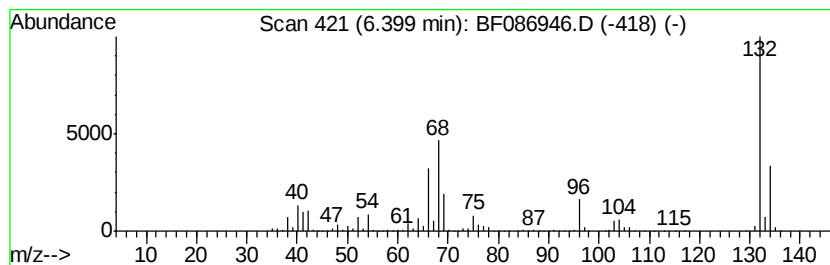
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	81.88 ng	4477290	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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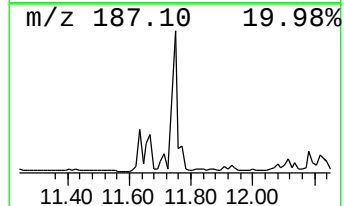
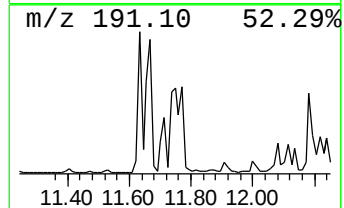
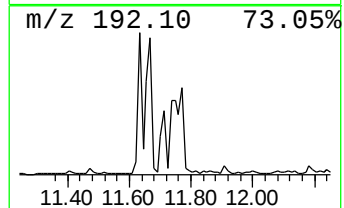
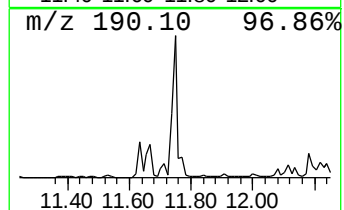
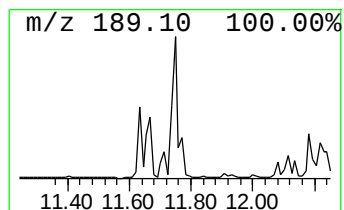
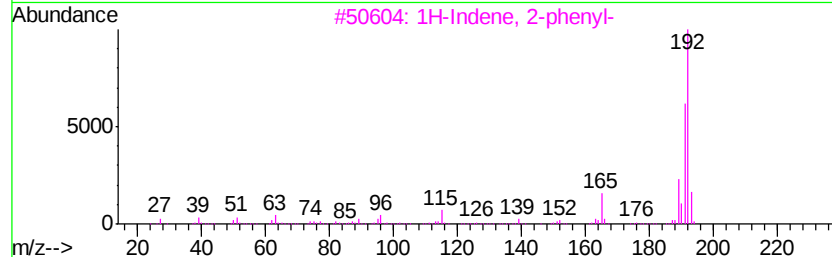
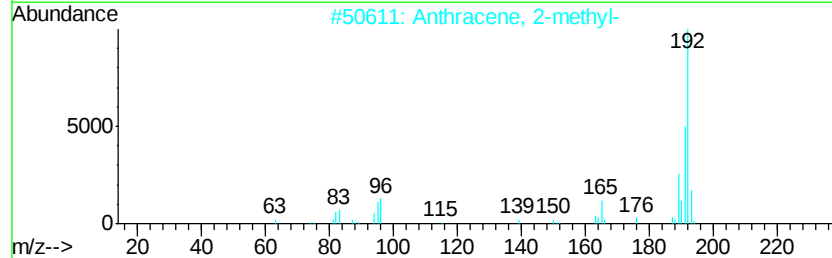
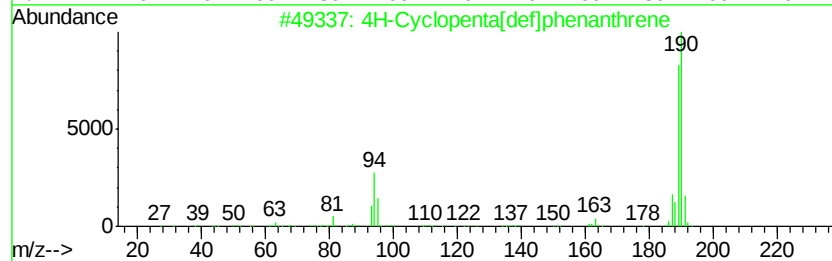
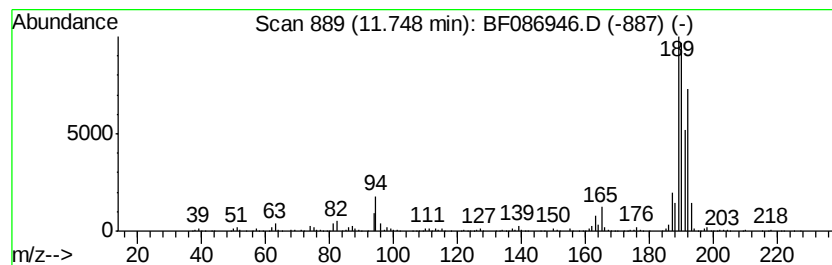
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	9.01 ng	1455840	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25



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Data File : BF086946.D
Acq On : 12 May 2016 22:49
Operator : UM/SJ
Sample : H2994-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

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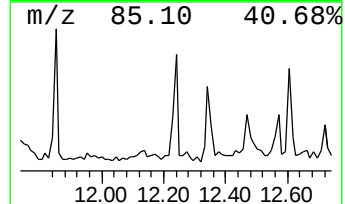
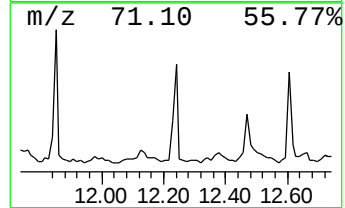
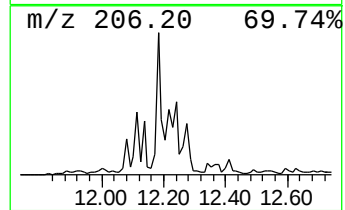
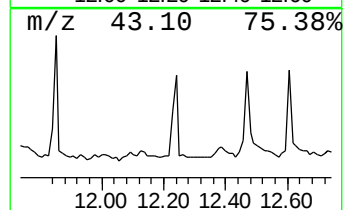
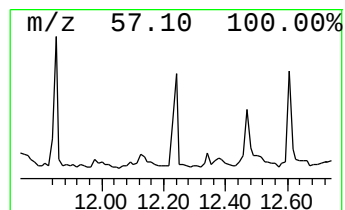
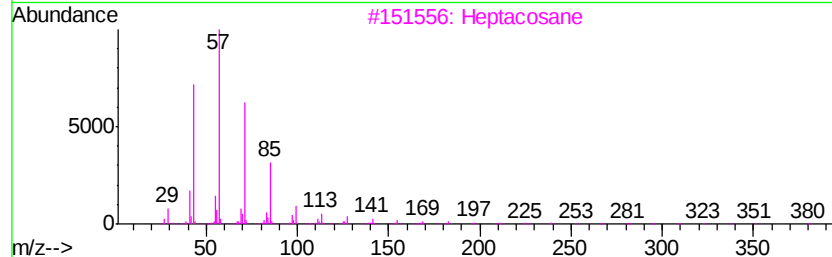
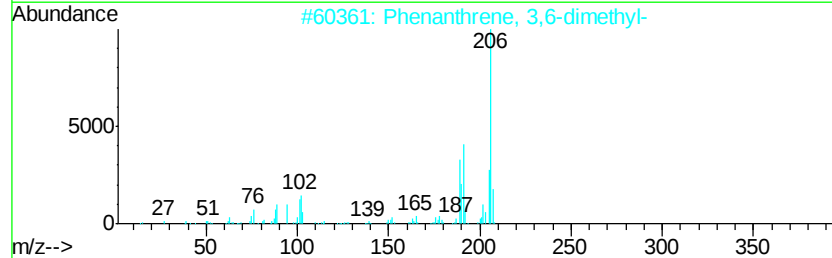
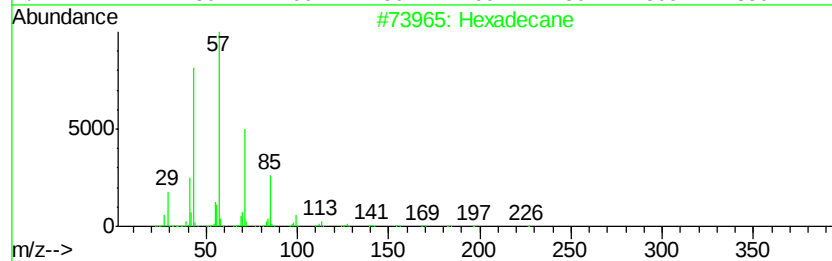
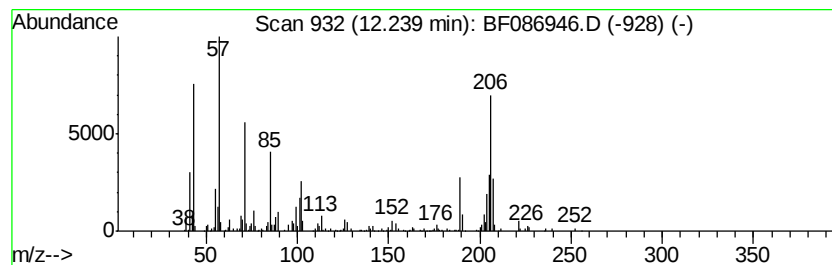
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	5.77 ng	932286	Phenanthrene-d10	11.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	92
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
3		Heptacosane	380	C27H56	000593-49-7	30
4		Eicosane	282	C20H42	000112-95-8	30
5		Octadecane	254	C18H38	000593-45-3	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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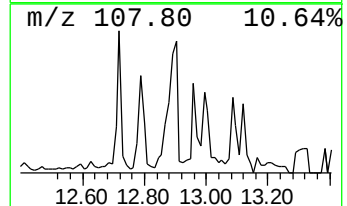
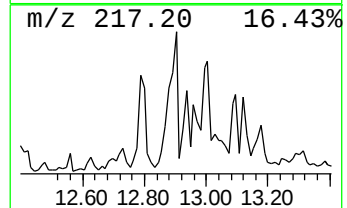
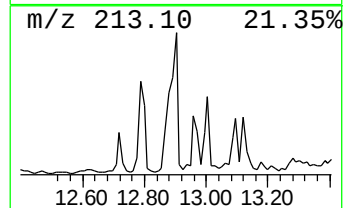
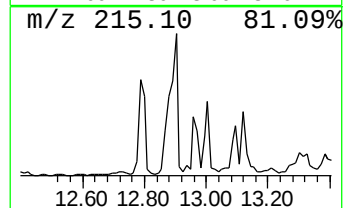
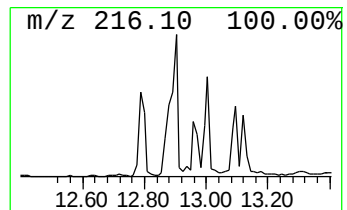
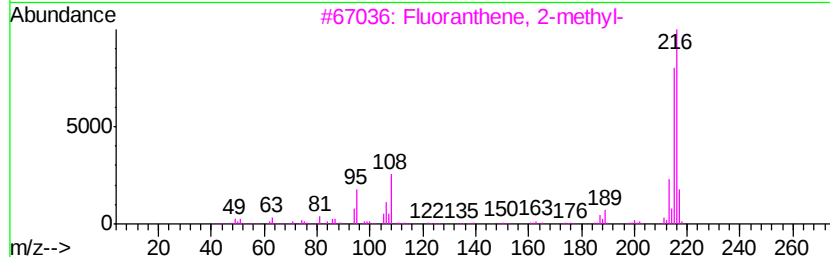
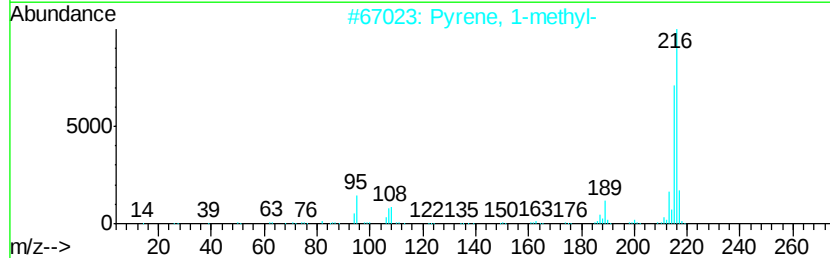
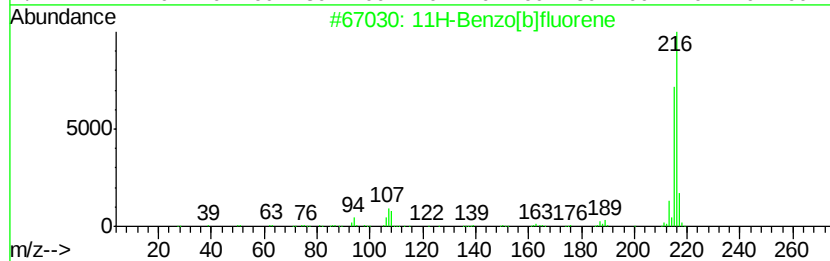
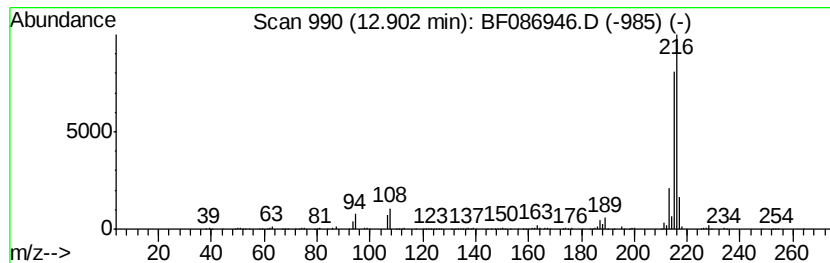
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	6.40 ng	1501800	Chrysene-d12	13.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
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\BF051216\
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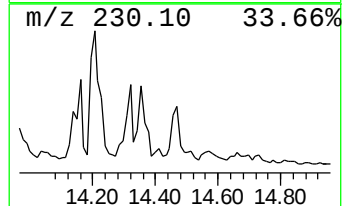
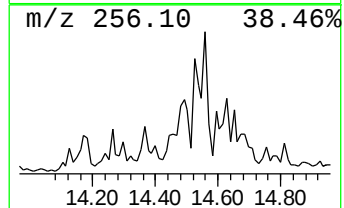
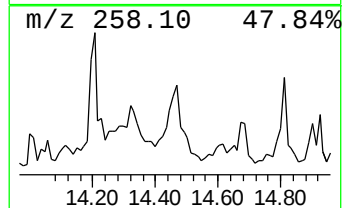
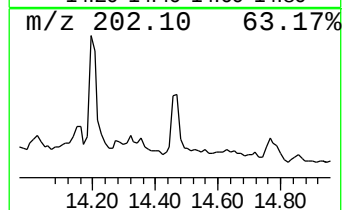
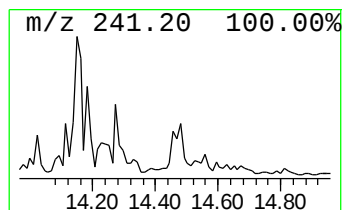
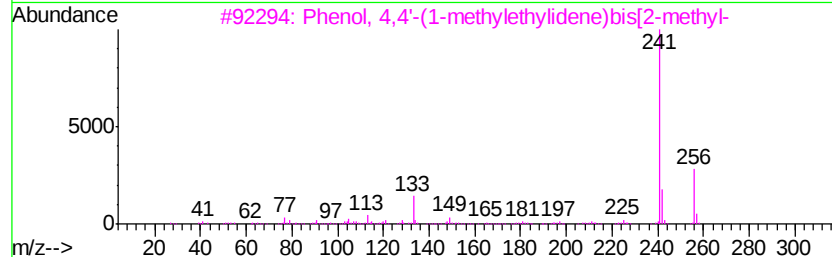
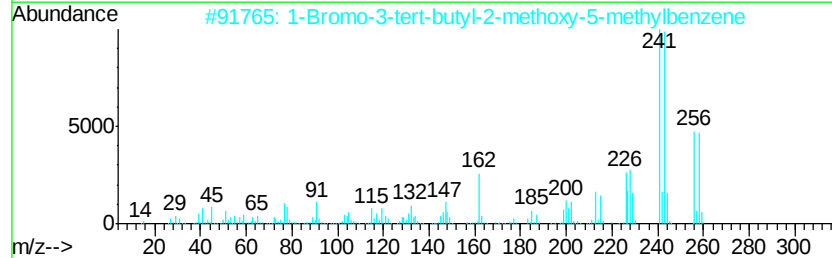
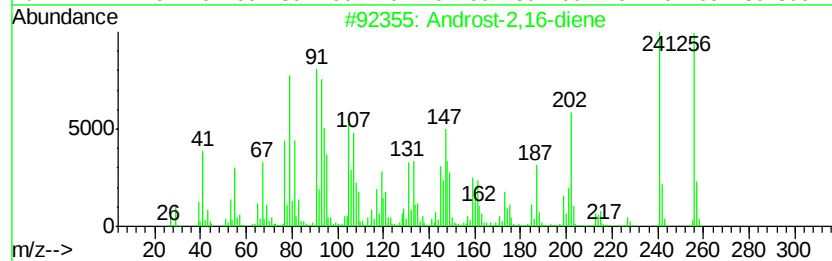
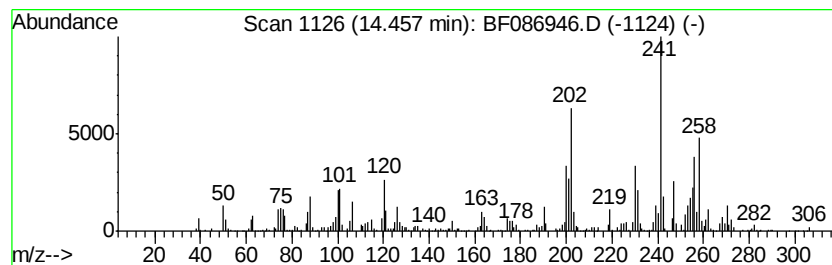
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Androst-2,16-diene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.46	17.17 ng	607184	Perylene-d12	15.13		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Androst-2,16-diene	256	C19H28	1000193-07-5	53
2		1-Bromo-3-tert-butyl-2-methoxy-5...	256	C12H17BrO	117439-55-1	46
3		Phenol, 4,4'-(1-methylethylidene...	256	C17H20O2	000079-97-0	38
4		Benz[a]anthracene, 7-ethyl-	256	C20H16	003697-30-1	35
5		2,4-di(Trifluoromethyl)benzoic acid	258	C9H4F6O2	032890-87-2	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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Operator : UM/SJ
Sample : H2994-03
Misc :
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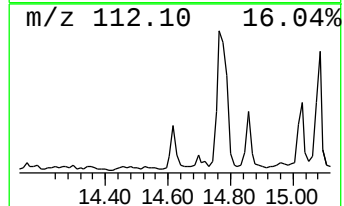
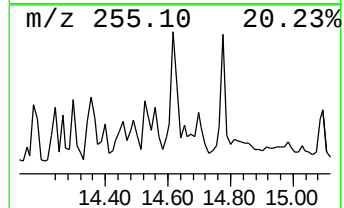
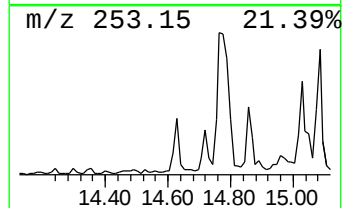
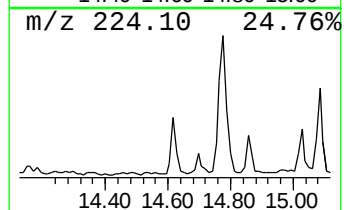
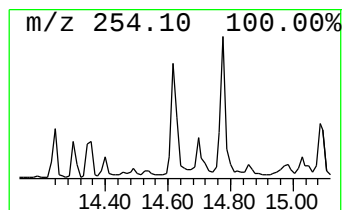
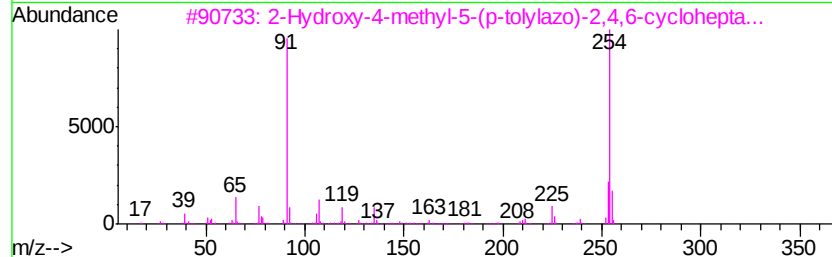
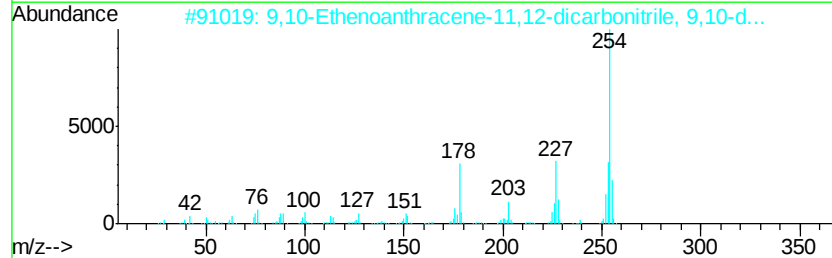
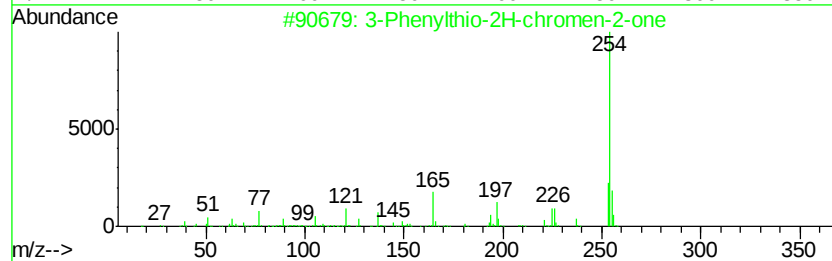
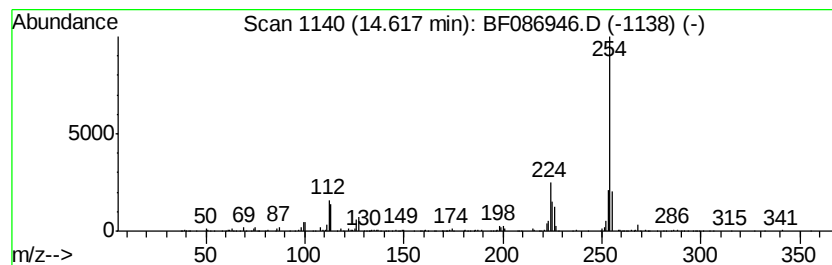
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 3-Phenylthio-2H-chromen-2-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	16.74 ng	592235	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	64
2		9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	64
3		2-Hydroxy-4-methyl-5-(p-tolylazo...	254	C15H14N2O2	066777-90-0	59
4		3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	53
5		1H-Pyrazole, 3-(4-chlorophenyl)-...	254	C15H11ClN2	033064-19-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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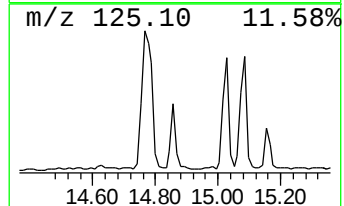
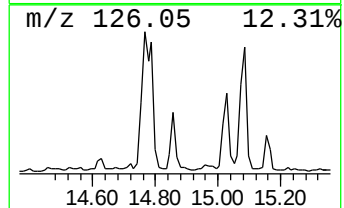
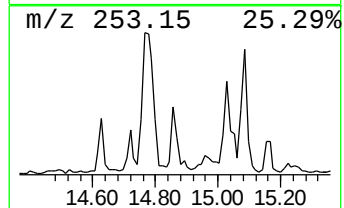
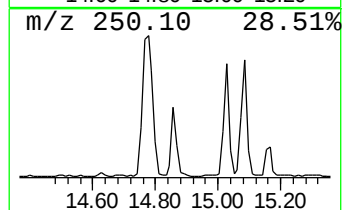
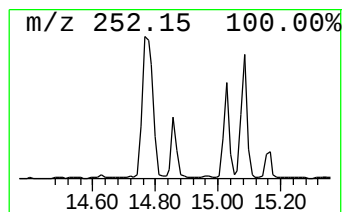
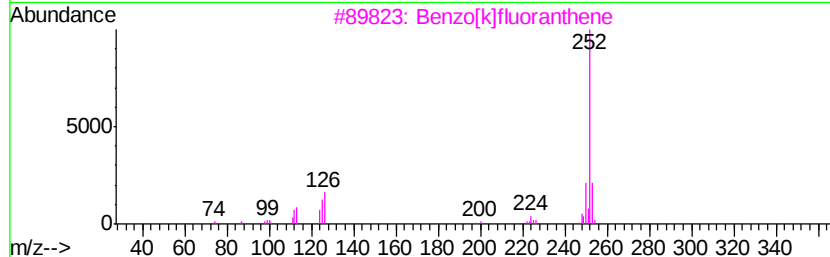
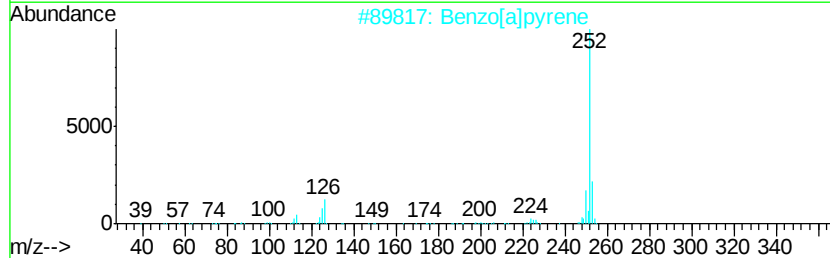
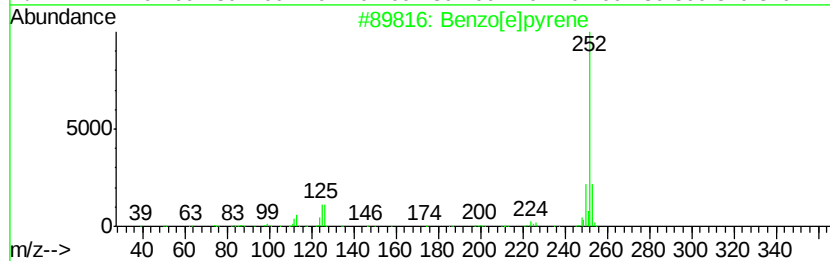
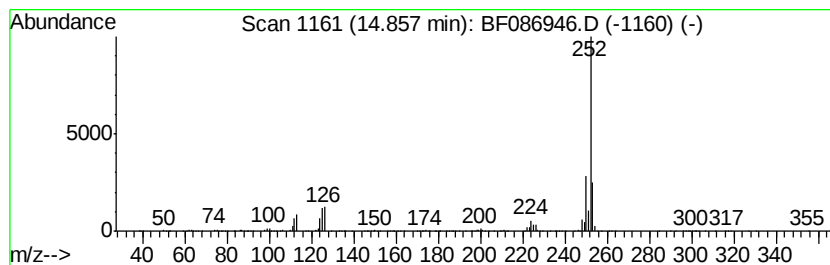
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	24.40 ng	863071	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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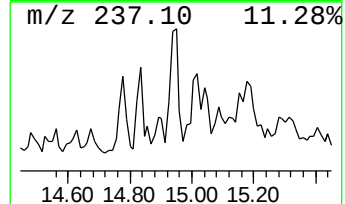
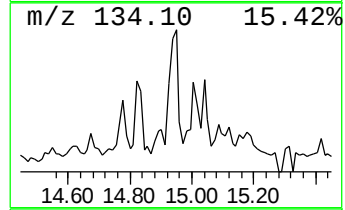
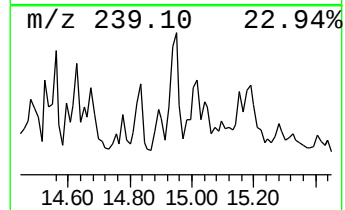
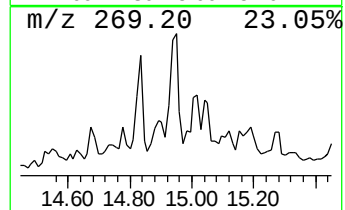
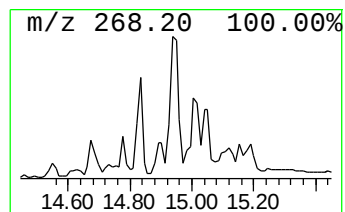
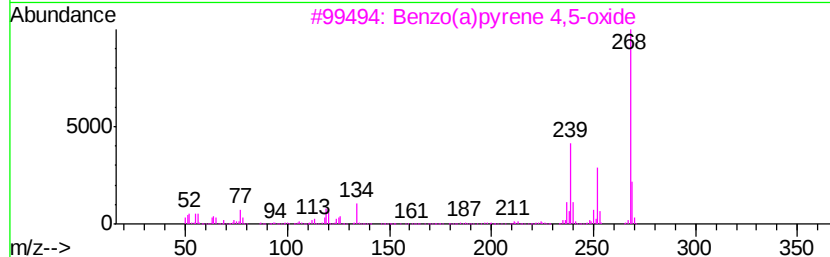
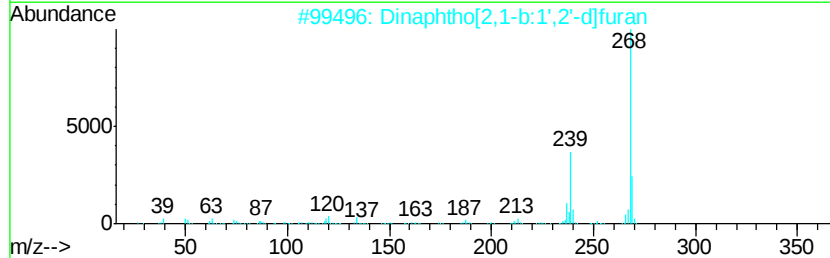
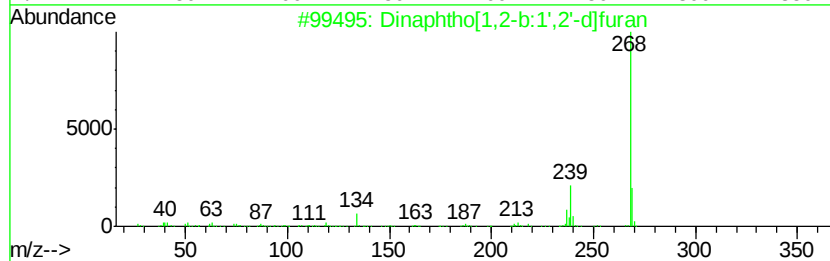
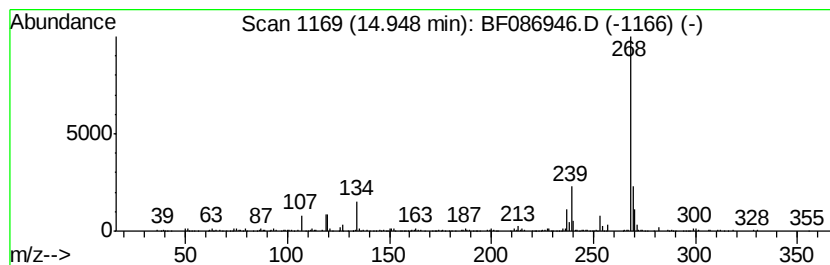
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	14.78 ng	522779	Perylene-d12	15.13

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		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
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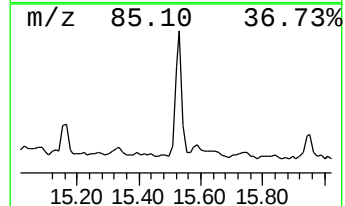
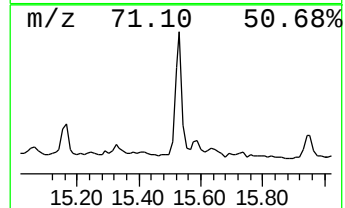
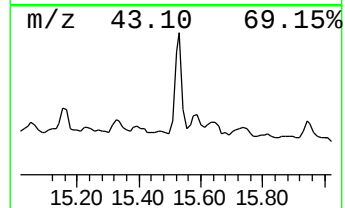
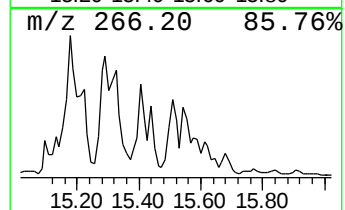
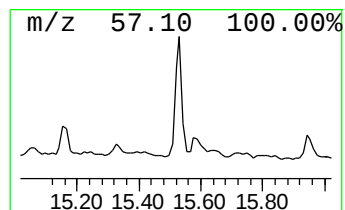
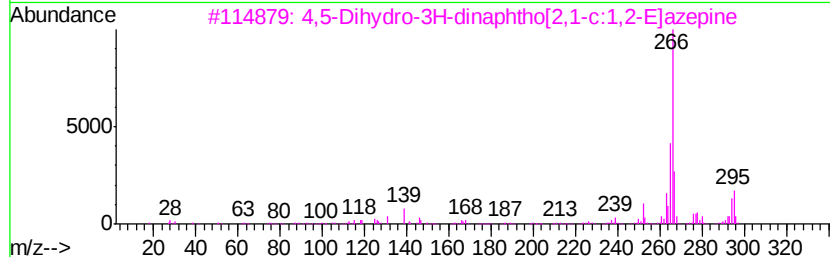
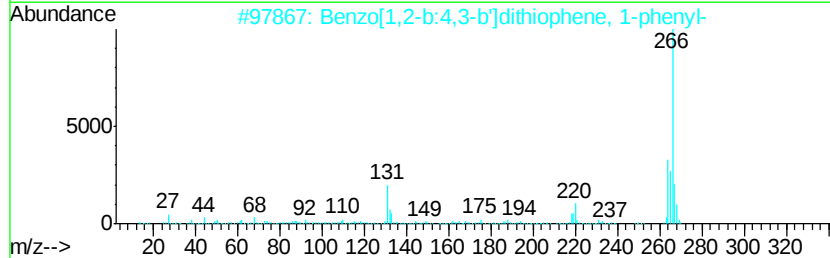
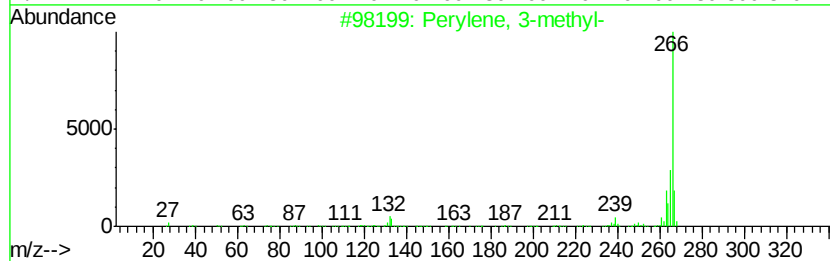
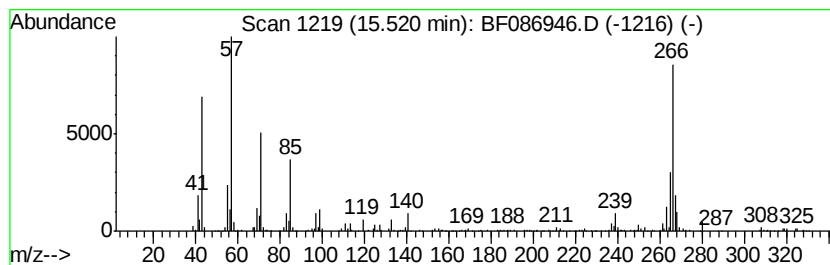
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown15.52 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	13.57 ng	480092	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene, 3-methyl-	266	C21H14	024471-47-4	49
2		Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	43
3		4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	38
4		Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	38
5		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086946.D
Acq On : 12 May 2016 22:49
Operator : UM/SJ
Sample : H2994-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)

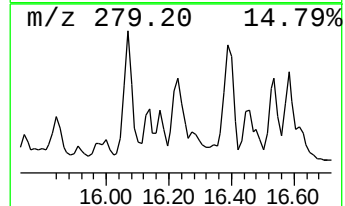
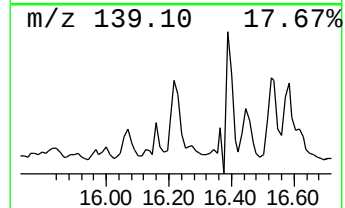
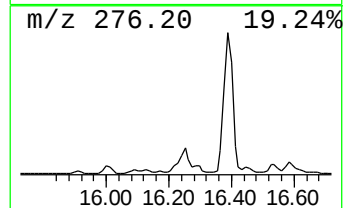
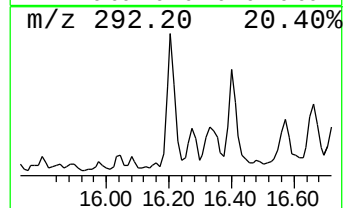
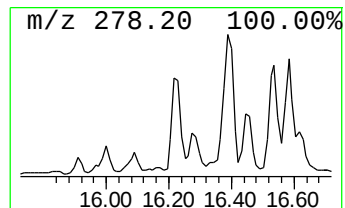
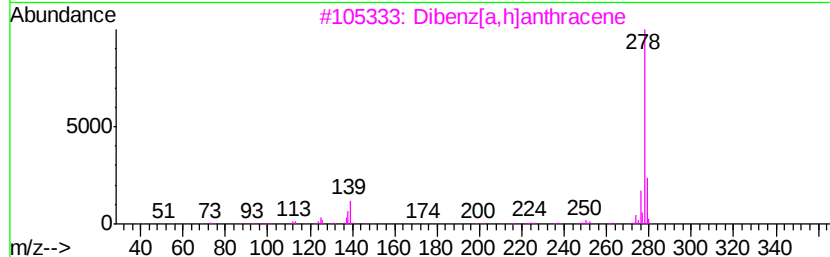
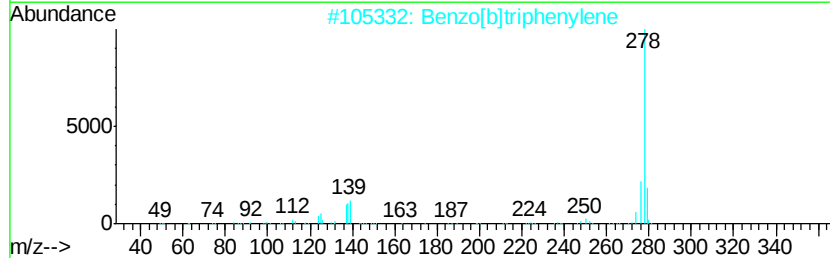
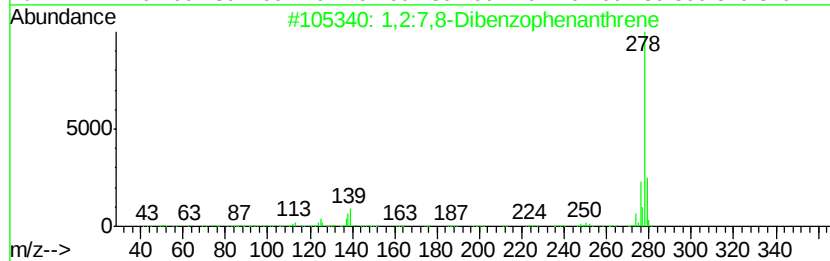
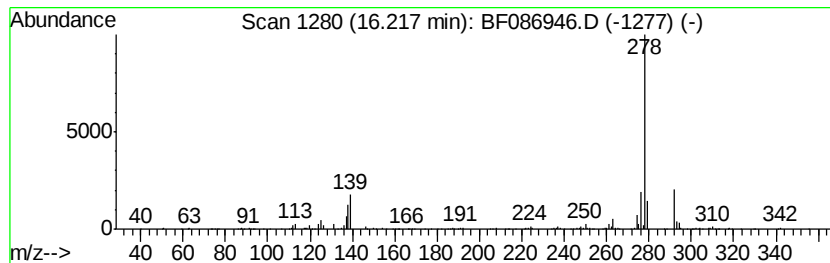
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,2:7,8-Dibenzophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	10.09 ng	356844	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	70
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	58
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	53
4		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	49
5		Pentacene	278	C22H14	000135-48-8	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086946.D
Acq On : 12 May 2016 22:49
Operator : UM/SJ
Sample : H2994-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)

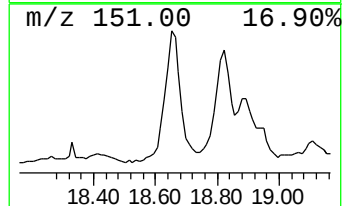
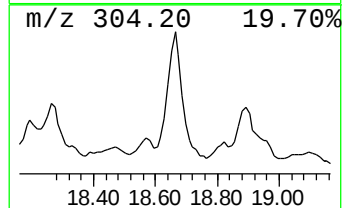
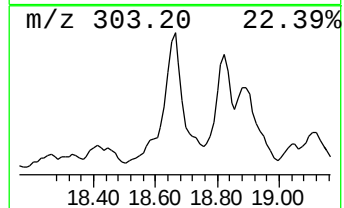
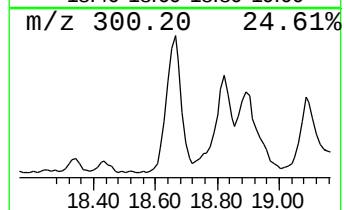
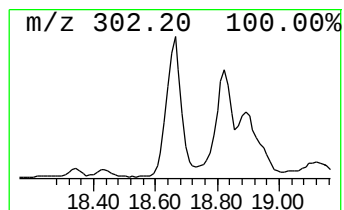
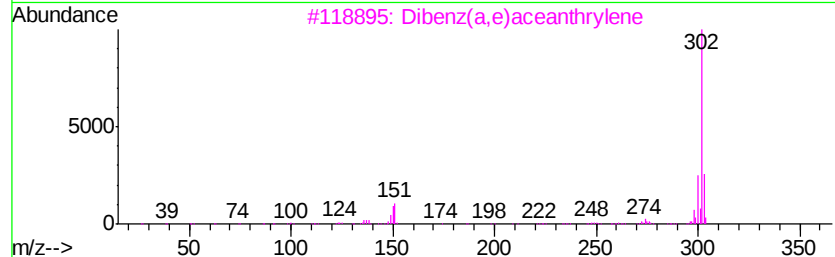
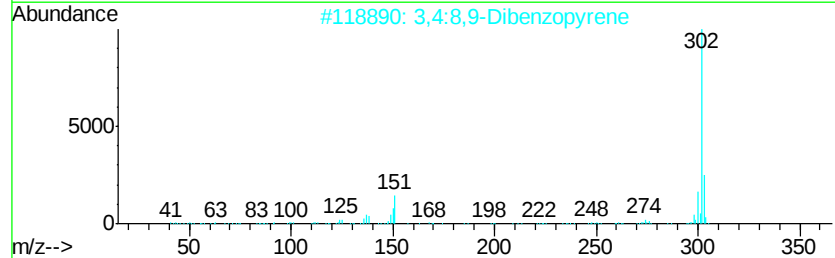
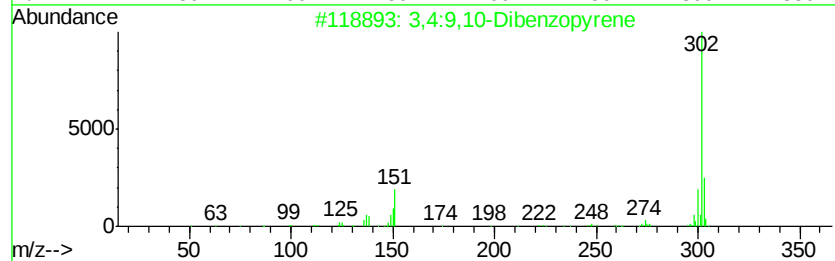
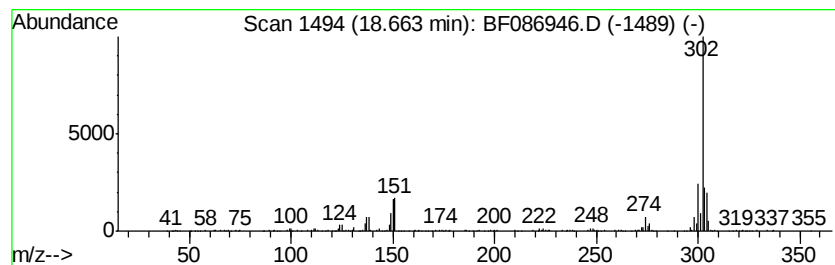
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	18.68 ng	660674	Perylene-d12	15.13

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	95
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	92
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086946.D
Acq On : 12 May 2016 22:49
Operator : UM/SJ
Sample : H2994-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PM-STA-1335-00(0-3)

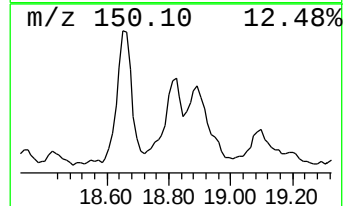
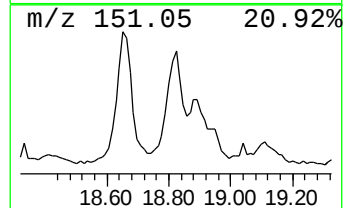
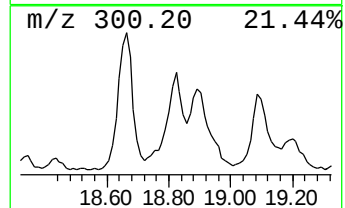
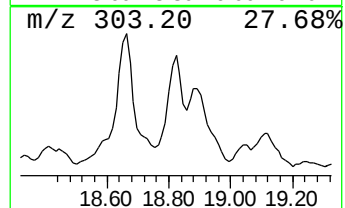
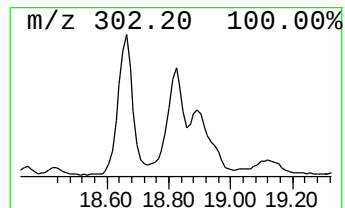
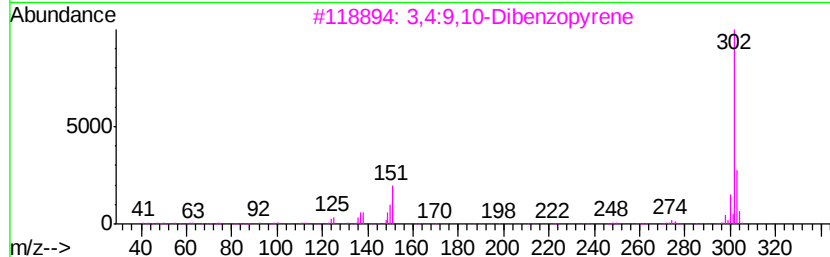
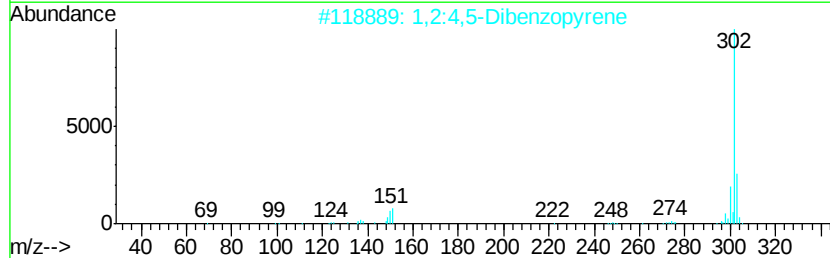
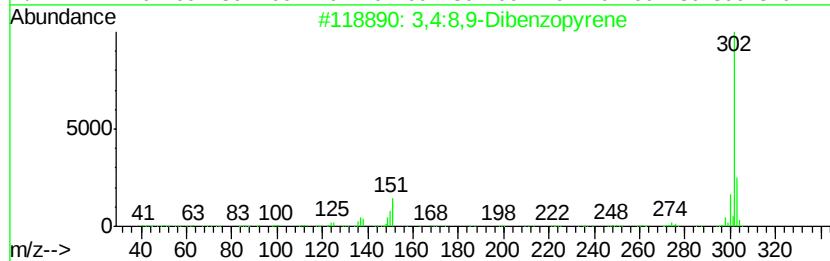
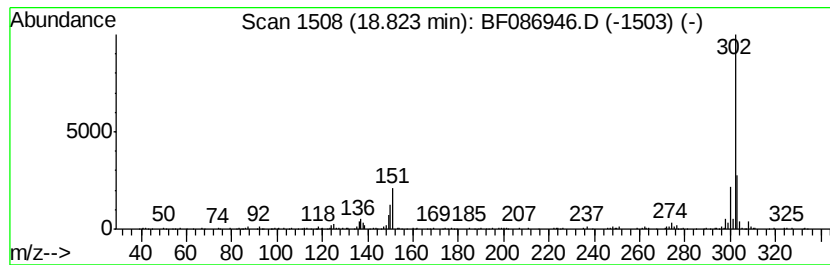
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	10.71 ng	378858	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	86
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086946.D
 Acq On : 12 May 2016 22:49
 Operator : UM/SJ
 Sample : H2994-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1335-00(0-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.76	9.4	ng	513072	1	6.62	1093670	20.0
unknown6.40	6.40	81.9	ng	4477290	1	6.62	1093670	20.0
4H-Cyclopenta[def...	11.75	9.0	ng	1455840	4	11.13	3230850	20.0
Hexadecane	12.24	5.8	ng	932286	4	11.13	3230850	20.0
11H-Benzo[b]fluorene	12.90	6.4	ng	1501800	5	13.77	4694470	20.0
Androst-2,16-diene	14.46	17.2	ng	607184	6	15.13	707424	20.0
3-Phenylthio-2H-c...	14.62	16.7	ng	592235	6	15.13	707424	20.0
Benzo[e]pyrene	14.86	24.4	ng	863071	6	15.13	707424	20.0
Dinaphtho[1,2-b:1...	14.95	14.8	ng	522779	6	15.13	707424	20.0
unknown15.52	15.52	13.6	ng	480092	6	15.13	707424	20.0
1,2:7,8-Dibenzoph...	16.22	10.1	ng	356844	6	15.13	707424	20.0
3,4:9,10-Dibenzop...	18.66	18.7	ng	660674	6	15.13	707424	20.0
3,4:8,9-Dibenzopy...	18.82	10.7	ng	378858	6	15.13	707424	20.0