

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089495.D
 Acq On : 1 Aug 2016 5:01
 Operator : UM/SJ
 Sample : H4215-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

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-BF072716.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	1.655	5	6	56	rVB	1027471	2773162	74.77%	4.695%
2	4.570	259	261	273	rVB	181808	329127	8.87%	0.557%
3	5.061	302	304	314	rBV	696941	875866	23.62%	1.483%
4	6.159	398	400	402	rBV	696785	853076	23.00%	1.444%
5	6.262	407	409	413	rVV	926267	937550	25.28%	1.587%
6	6.490	427	429	435	rBV2	196326	237597	6.41%	0.402%
7	6.650	441	443	445	rBV	646043	698473	18.83%	1.183%
8	7.062	478	479	486	rBV	382542	491978	13.26%	0.833%
9	7.805	539	544	546	rBV2	584228	919926	24.80%	1.558%
10	8.490	602	604	607	rBV	447037	415484	11.20%	0.703%
11	8.593	610	613	615	rVV	267499	345141	9.31%	0.584%
12	8.856	634	636	639	rBV	820789	761914	20.54%	1.290%
13	8.959	642	645	647	rBV	114220	113404	3.06%	0.192%
14	9.050	650	653	657	rVB	86352	137223	3.70%	0.232%
15	9.119	657	659	662	rBV	254979	380095	10.25%	0.644%
16	9.188	663	665	666	rVV	442964	435806	11.75%	0.738%
17	9.210	666	667	670	rVB	182917	238982	6.44%	0.405%
18	9.256	670	671	673	rBV	158044	198294	5.35%	0.336%
19	9.302	673	675	680	rVB	219626	280468	7.56%	0.475%
20	9.382	680	682	685	rBV	384101	391702	10.56%	0.663%
21	9.519	692	694	696	rBV2	295504	361656	9.75%	0.612%
22	9.553	696	697	700	rVB	803304	723672	19.51%	1.225%
23	9.633	702	704	706	rBV	88237	119430	3.22%	0.202%
24	9.679	706	708	710	rBV	168658	150655	4.06%	0.255%
25	9.725	710	712	715	rBV	480885	581807	15.69%	0.985%
26	9.771	715	716	718	rVB	167040	125222	3.38%	0.212%
27	9.839	720	722	724	rBV	149128	182005	4.91%	0.308%
28	9.931	728	730	733	rBV	101097	185609	5.00%	0.314%
29	10.033	736	739	740	rBV2	85476	177599	4.79%	0.301%
30	10.068	740	742	745	rVB	893366	842099	22.70%	1.426%
31	10.136	745	748	751	rBV2	131389	335182	9.04%	0.568%
32	10.228	754	756	759	rVB	212110	251267	6.77%	0.425%
33	10.308	761	763	766	rBV	597678	640060	17.26%	1.084%
34	10.433	770	774	778	rBV4	156964	334193	9.01%	0.566%

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35	10.616	786	790	791 rBV	183479	250832	6.76%	0.425%
36	10.765	798	803	806 rVB3	99588	206064	5.56%	0.349%
37	10.856	809	811	812 rBV	143553	149704	4.04%	0.253%
38	10.891	812	814	821 rVB2	273388	431303	11.63%	0.730%
39	11.028	821	826	829 rBV	2002540	2840933	76.60%	4.810%
40	11.073	829	830	832 rVV	749267	731965	19.74%	1.239%
41	11.119	832	834	836 rVV2	96647	131973	3.56%	0.223%
42	11.234	842	844	848 rBV2	149668	286469	7.72%	0.485%
43	11.325	850	852	858 rVB3	122469	207070	5.58%	0.351%
44	11.496	865	867	868 rBV	490127	489095	13.19%	0.828%
45	11.531	868	870	872 rVV	579359	583727	15.74%	0.988%
46	11.576	872	874	875 rVV	292057	284114	7.66%	0.481%
47	11.611	875	877	882 rVB	1059270	1427037	38.48%	2.416%
48	11.725	885	887	890 rBV4	70626	128041	3.45%	0.217%
49	11.794	890	893	895 rBV	264193	319623	8.62%	0.541%
50	11.942	903	906	907 rBV2	138679	167699	4.52%	0.284%
51	11.976	907	909	910 rVV	130013	123559	3.33%	0.209%
52	12.045	913	915	917 rVV	342569	445090	12.00%	0.754%
53	12.079	917	918	922 rVV2	224888	369459	9.96%	0.626%
54	12.136	922	923	926 rVV	173542	241763	6.52%	0.409%
55	12.216	926	930	932 rVV	2402120	3438554	92.71%	5.822%
56	12.251	932	933	936 rVV2	664407	680492	18.35%	1.152%
57	12.296	936	937	940 rVB	151363	164657	4.44%	0.279%
58	12.354	940	942	943 rBV	159410	182404	4.92%	0.309%
59	12.445	947	950	952 rVV2	2339218	3708924	100.00%	6.280%
60	12.479	952	953	956 rVB2	165102	271285	7.31%	0.459%
61	12.548	958	959	960 rBV	151370	193905	5.23%	0.328%
62	12.582	960	962	965 rVB2	838254	939935	25.34%	1.591%
63	12.651	965	968	972 rBV3	328852	618117	16.67%	1.047%
64	12.765	973	978	980 rVB	832985	1245962	33.59%	2.110%
65	12.834	982	984	985 rVV	648150	773112	20.84%	1.309%
66	12.868	985	987	990 rVV	571519	814110	21.95%	1.378%
67	12.948	993	994	996 rVV	222014	325849	8.79%	0.552%
68	12.982	996	997	1002 rVB2	329612	388009	10.46%	0.657%
69	13.177	1007	1014	1018 rBV4	203464	761513	20.53%	1.289%
70	13.245	1018	1020	1021 rBV	166201	237016	6.39%	0.401%
71	13.268	1021	1022	1026 rVB3	134759	243809	6.57%	0.413%

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72	13.371	1029	1031	1032	rBV	316156	405184	10.92%	0.686%
73	13.485	1039	1041	1045	rVB4	112029	215523	5.81%	0.365%
74	13.622	1050	1053	1055	rVV2	1444996	2828082	76.25%	4.788%
75	13.668	1055	1057	1059	rVV	1383742	1893164	51.04%	3.205%
76	13.737	1060	1063	1064	rVV2	249038	372206	10.04%	0.630%
77	13.782	1064	1067	1069	rVV2	119815	259599	7.00%	0.440%
78	13.839	1070	1072	1080	rVB3	172025	373140	10.06%	0.632%
79	13.977	1082	1084	1085	rBV	121561	141241	3.81%	0.239%
80	14.011	1085	1087	1089	rVV	380758	505617	13.63%	0.856%
81	14.045	1089	1090	1092	rVB	225997	171621	4.63%	0.291%
82	14.102	1093	1095	1097	rVV2	158578	318857	8.60%	0.540%
83	14.137	1097	1098	1101	rVB2	225427	389758	10.51%	0.660%
84	14.331	1112	1115	1119	rBV5	104087	308255	8.31%	0.522%
85	14.491	1127	1129	1131	rBV	109520	173156	4.67%	0.293%
86	14.628	1138	1141	1145	rVV	1244313	2850577	76.86%	4.827%
87	14.708	1146	1148	1153	rVB	368860	499605	13.47%	0.846%
88	14.868	1160	1162	1165	rBV	691375	878972	23.70%	1.488%
89	14.925	1165	1167	1169	rVV	981130	1247204	33.63%	2.112%
90	14.971	1169	1171	1172	rVV	160341	210747	5.68%	0.357%
91	14.994	1172	1173	1176	rVB2	358952	404715	10.91%	0.685%
92	15.154	1185	1187	1190	rVB	103120	158362	4.27%	0.268%
93	16.160	1271	1275	1278	rBV	425422	787533	21.23%	1.333%
94	16.285	1283	1286	1288	rBV	121429	218081	5.88%	0.369%
95	16.331	1288	1290	1300	rVB3	109298	376324	10.15%	0.637%
96	16.514	1302	1306	1309	rBV	298546	626323	16.89%	1.060%
97	16.697	1319	1322	1329	rVB2	102430	251523	6.78%	0.426%
98	18.286	1456	1461	1469	rVB	81099	267854	7.22%	0.454%
99	18.446	1471	1475	1479	rBV	52912	189241	5.10%	0.320%
100	19.280	1545	1548	1555	rVB3	30555	109312	2.95%	0.185%

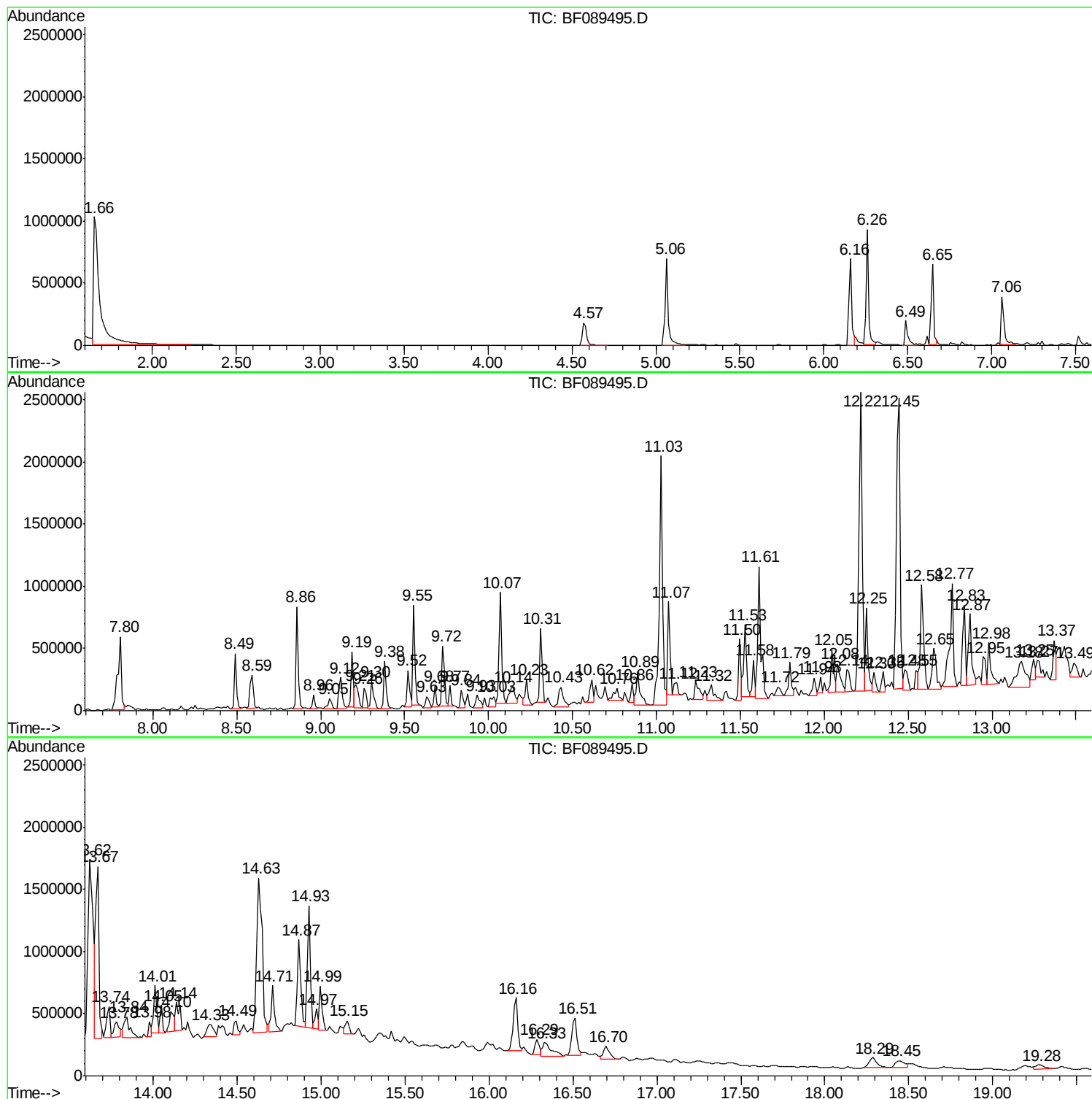
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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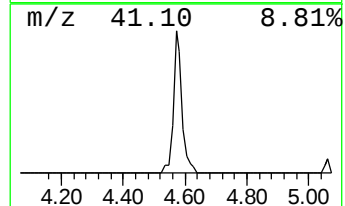
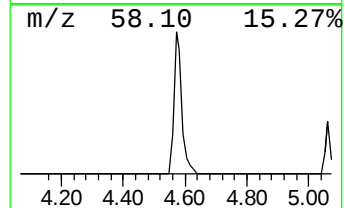
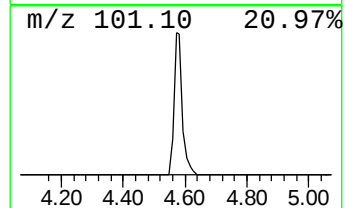
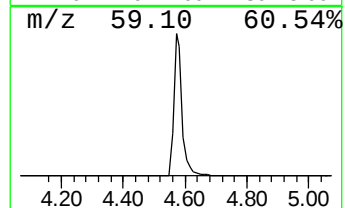
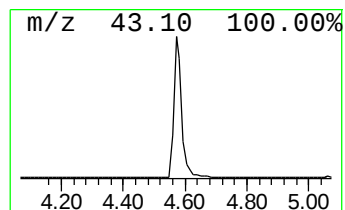
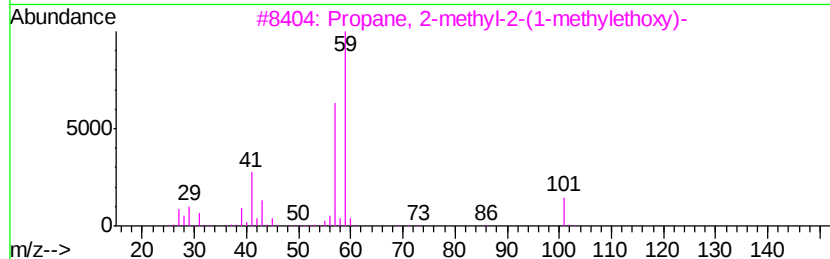
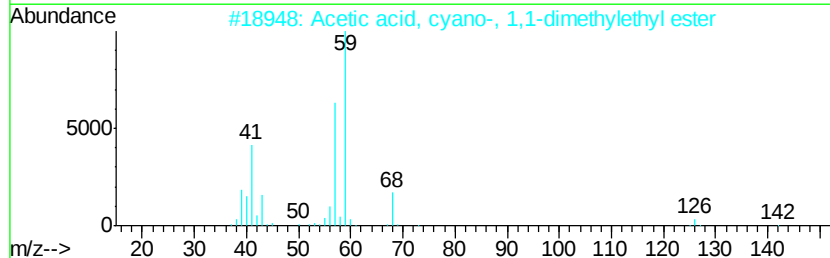
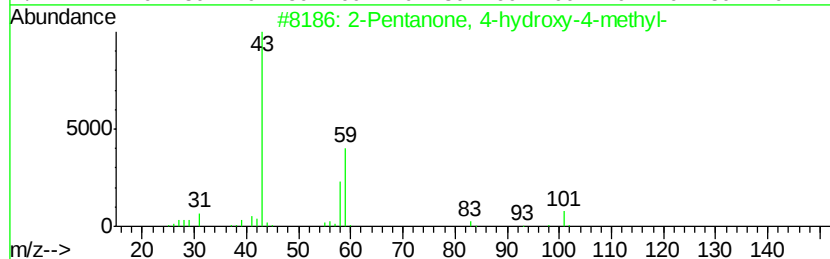
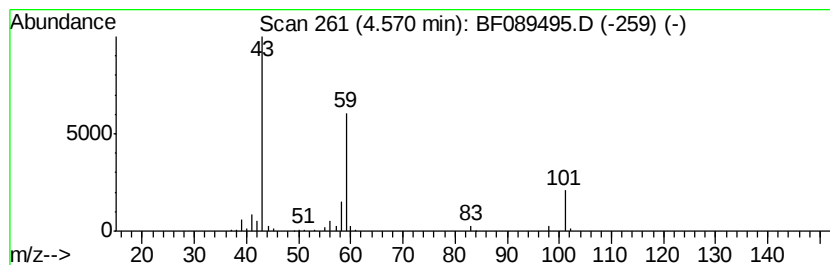
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	27.70 ng	329127	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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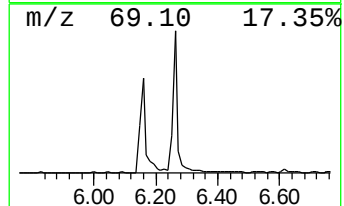
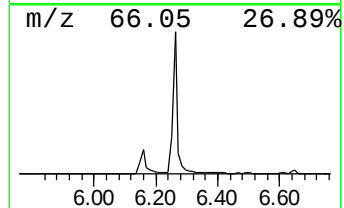
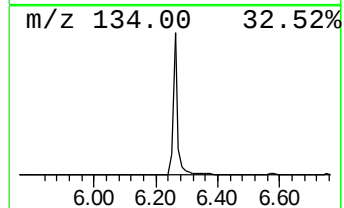
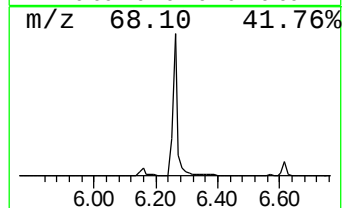
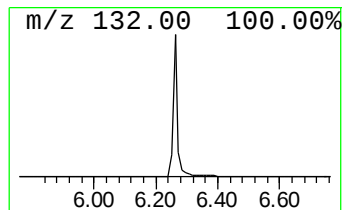
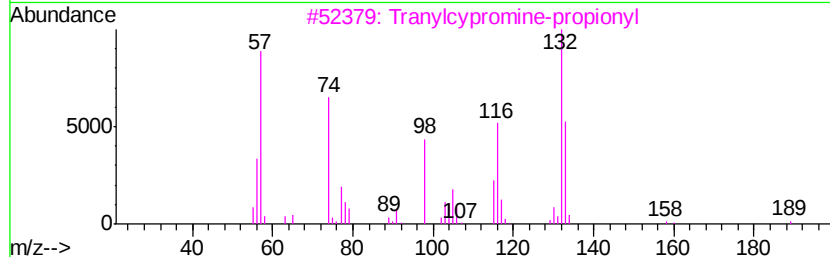
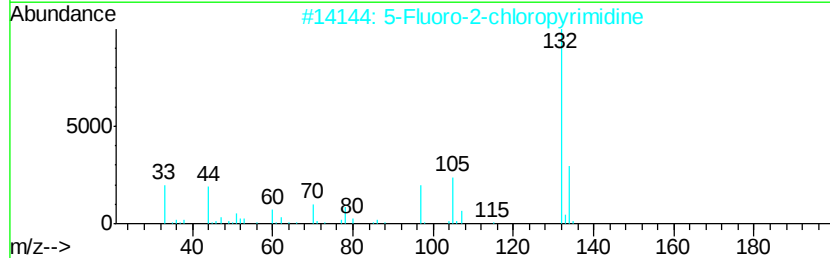
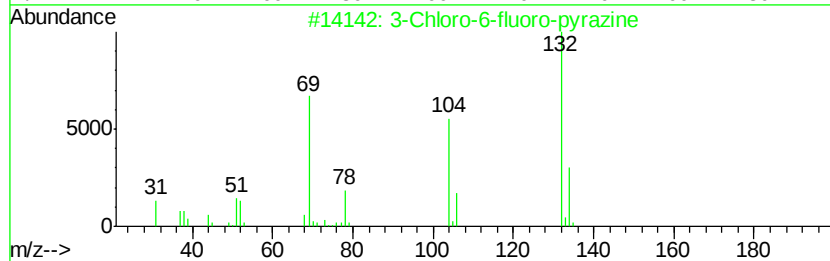
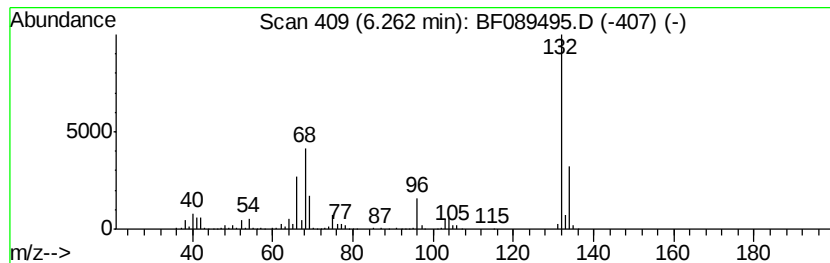
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.26 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	78.92 ng	937550	1,4-Dichlorobenzene-d4	6.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Xenon	132	Xe	007440-63-3	9



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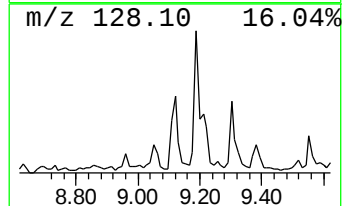
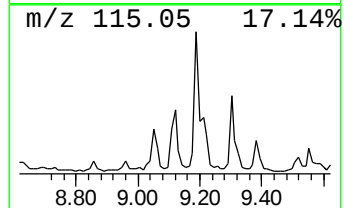
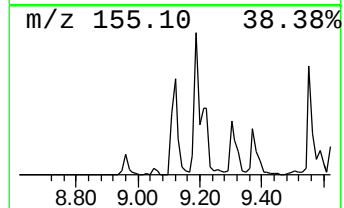
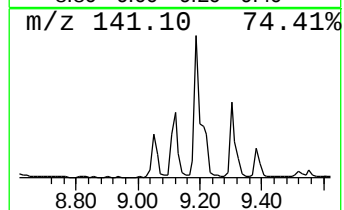
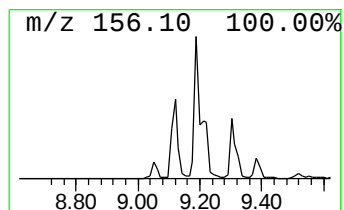
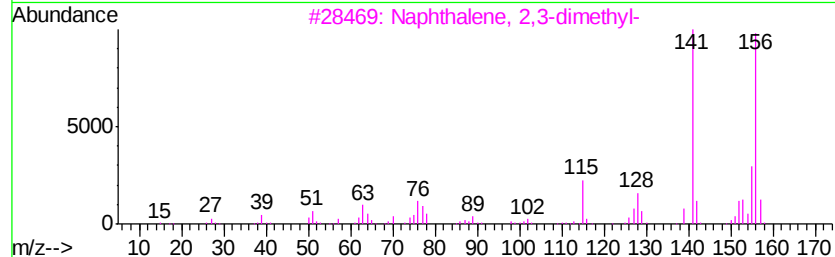
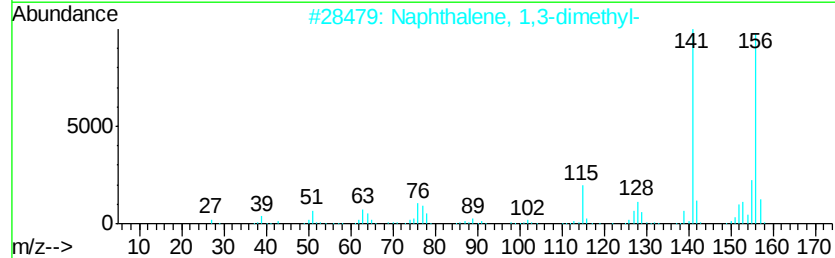
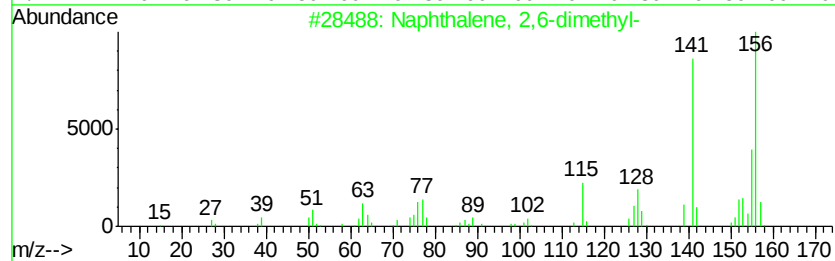
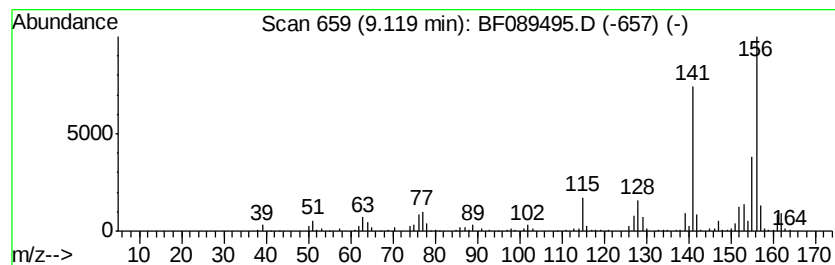
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TIC Library : C:\Database\NIST11.L
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Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	21.02 ng	380095	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
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Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
Sample : H4215-02
Misc :
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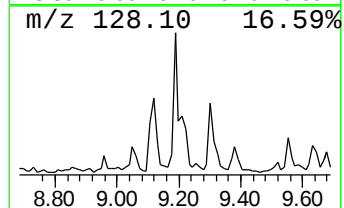
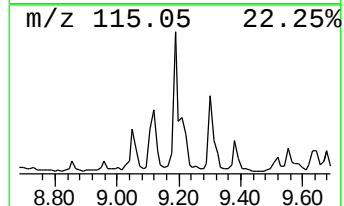
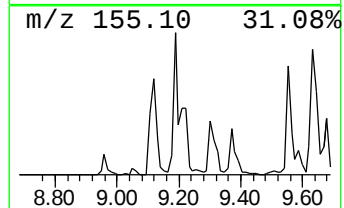
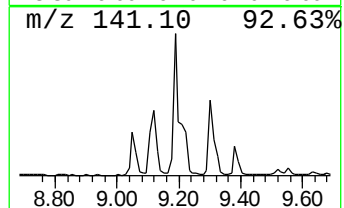
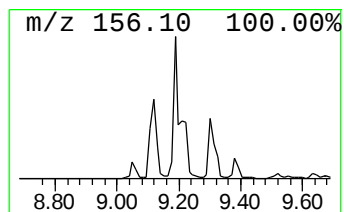
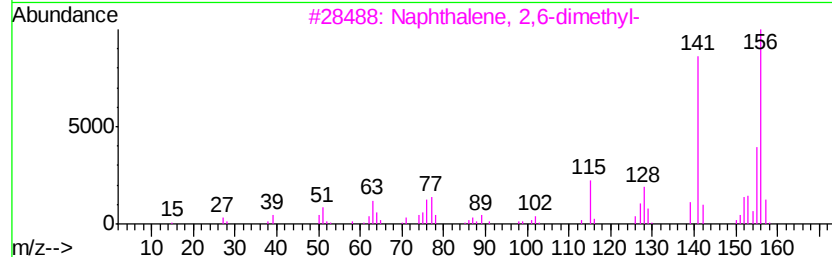
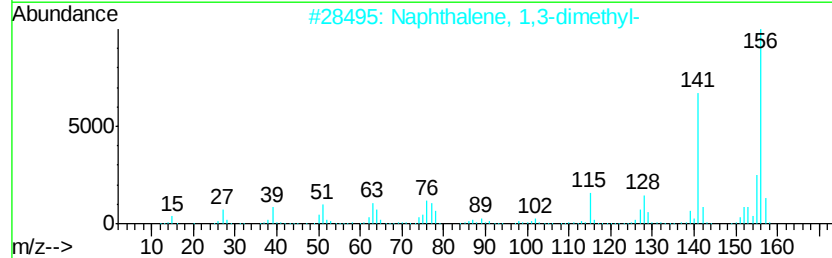
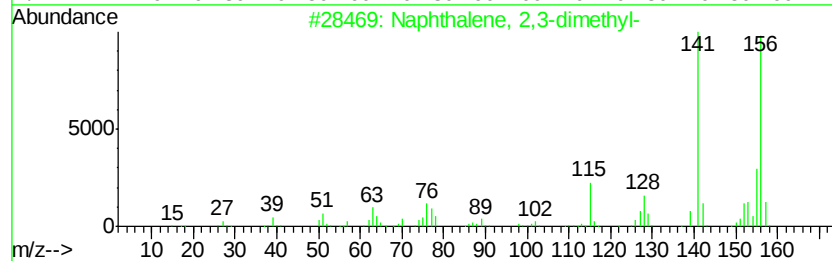
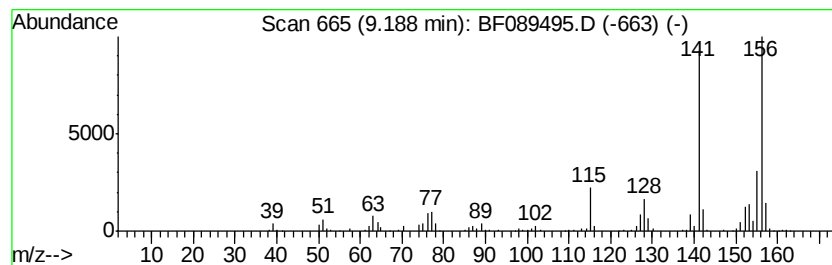
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ClientSampleId :
SB-15-COMP

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	24.10 ng	435806	Acenaphthene-d10	9.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
4		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 96
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
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Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
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ClientSampleId :
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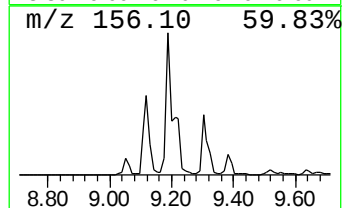
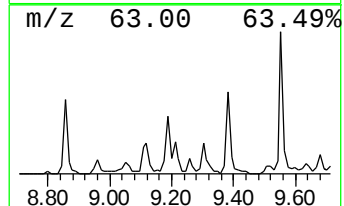
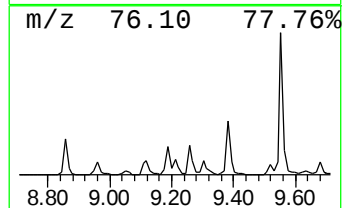
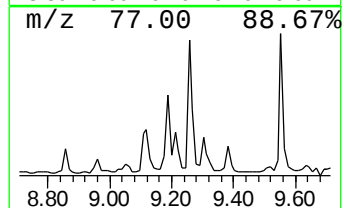
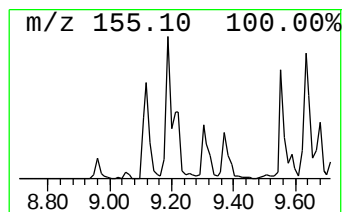
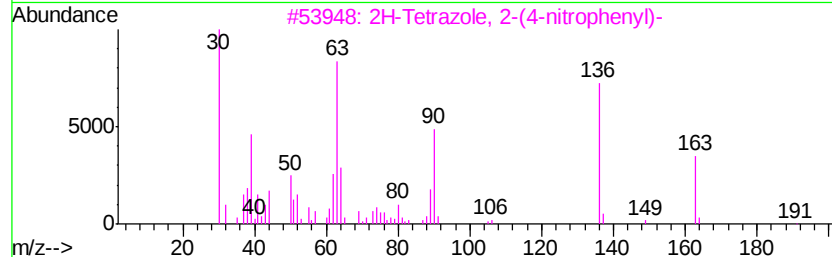
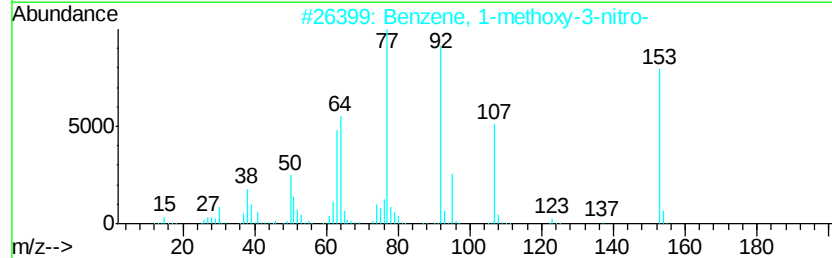
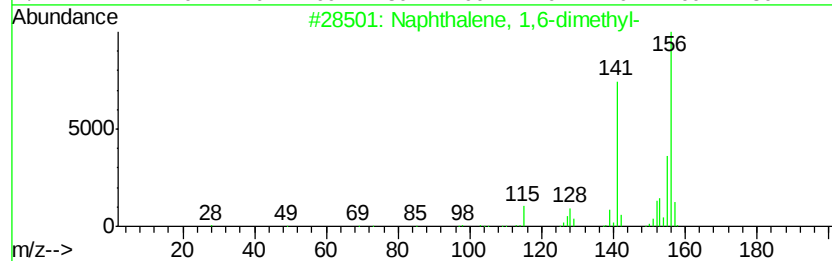
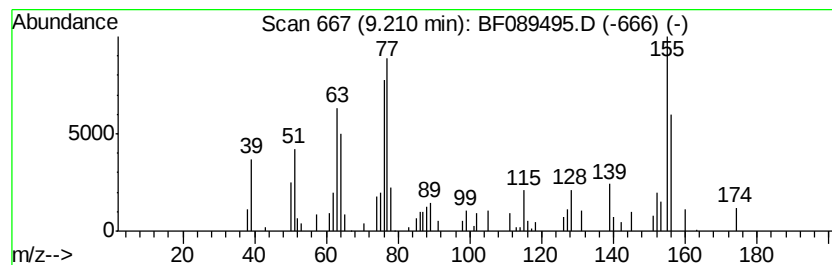
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown9.21 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	13.22 ng	238982	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	33
2		Benzene, 1-methoxy-3-nitro-	153	C7H7NO3	000555-03-3	25
3		2H-Tetrazole, 2-(4-nitrophenyl)-	191	C7H5N5O2	052708-38-0	10
4		Benzonitrile, N-oxide	119	C7H5NO	000873-67-6	10
5		Propyl mercaptan	76	C3H8S	000107-03-9	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
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Acq On : 1 Aug 2016 5:01
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Sample : H4215-02
Misc :
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Instrument :
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ClientSampleId :
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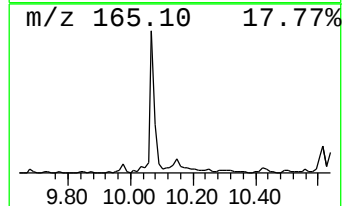
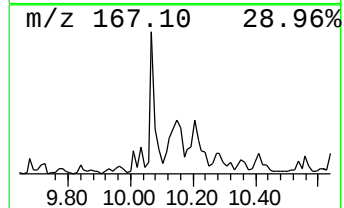
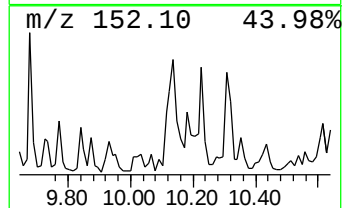
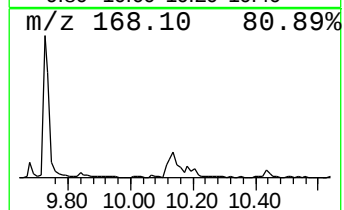
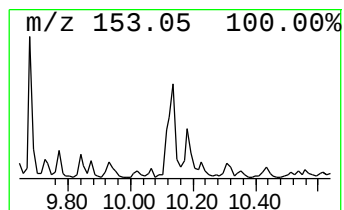
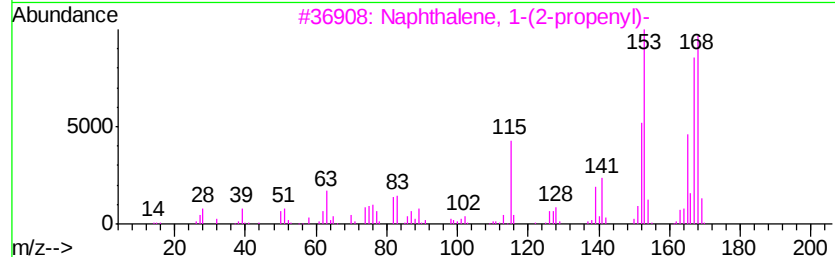
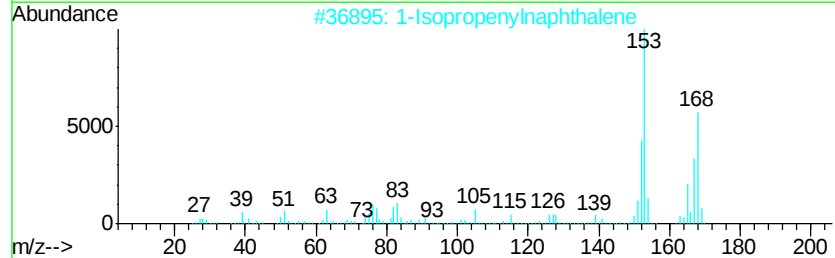
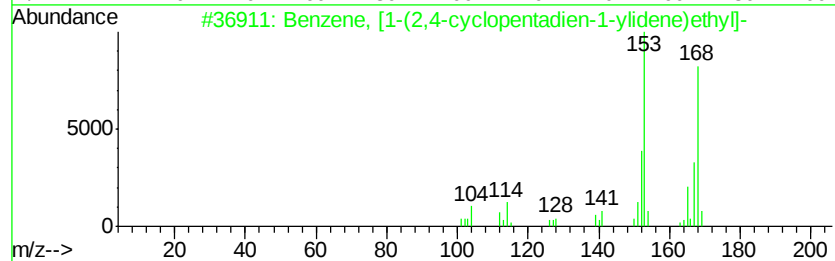
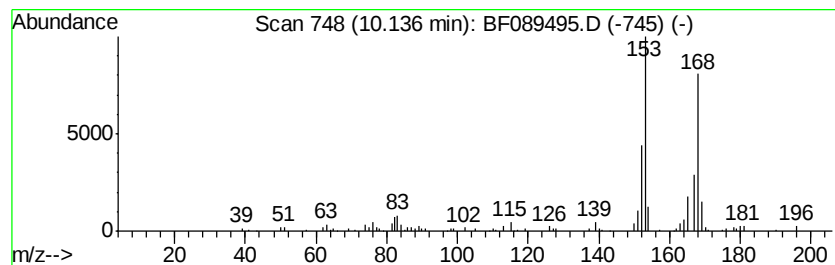
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, [1-(2,4-cyclopenta... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	18.54 ng	335182	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2		1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
3		Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	80
4		Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	64
5		Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089495.D
Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
Sample : H4215-02
Misc :
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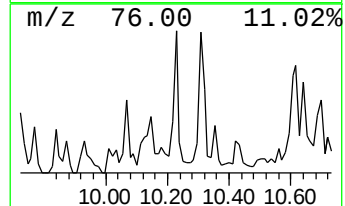
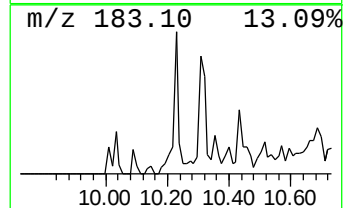
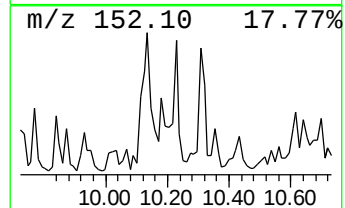
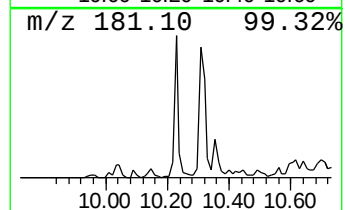
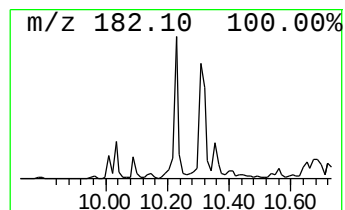
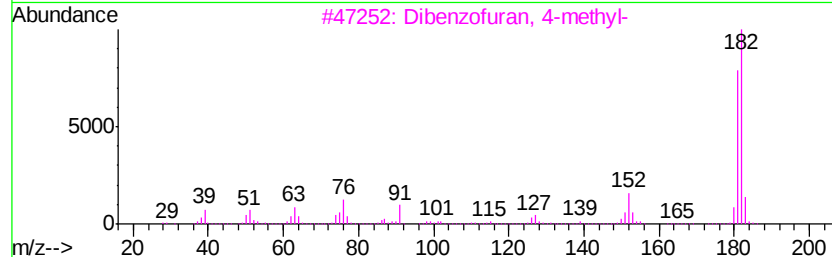
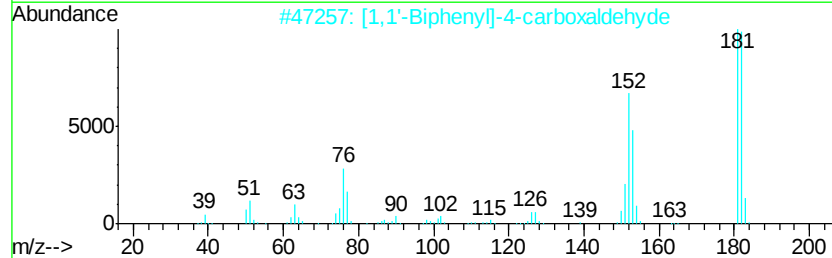
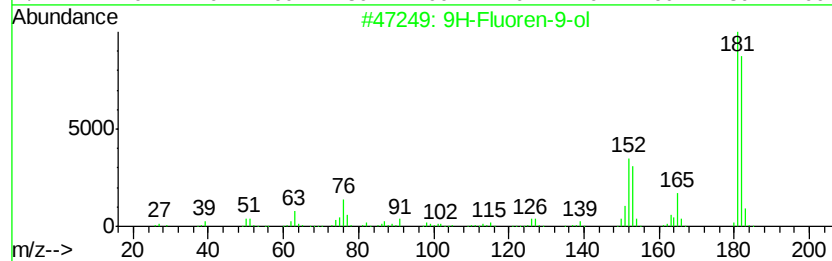
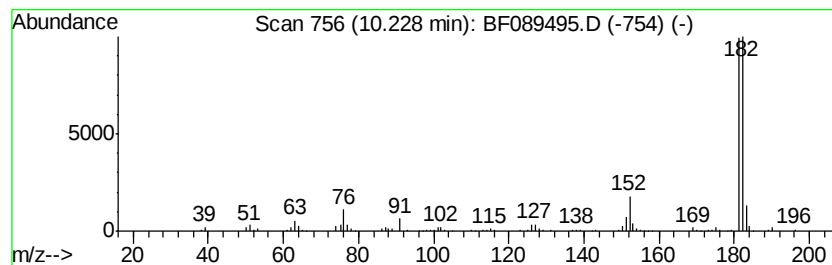
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 9H-Fluoren-9-ol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	13.90 ng	251267	Acenaphthene-d10	9.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3		Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
4		9H-Xanthene	182	C13H10O	000092-83-1	60
5		2-Hydroxyfluorene	182	C13H10O	002443-58-5	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
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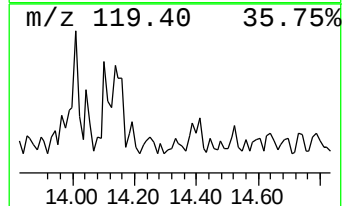
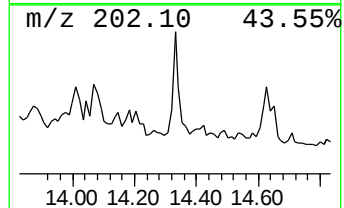
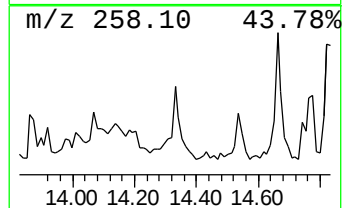
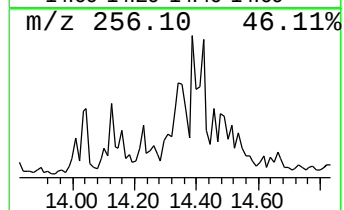
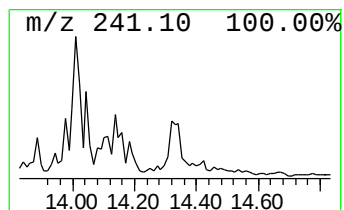
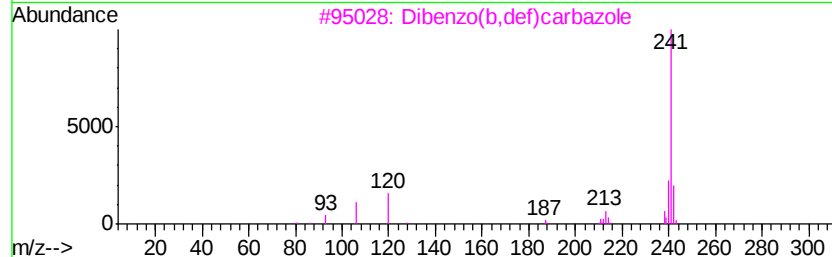
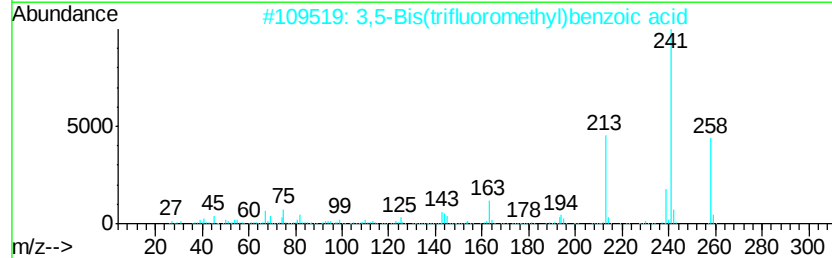
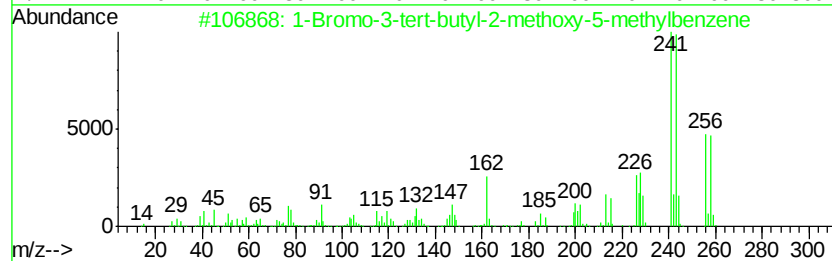
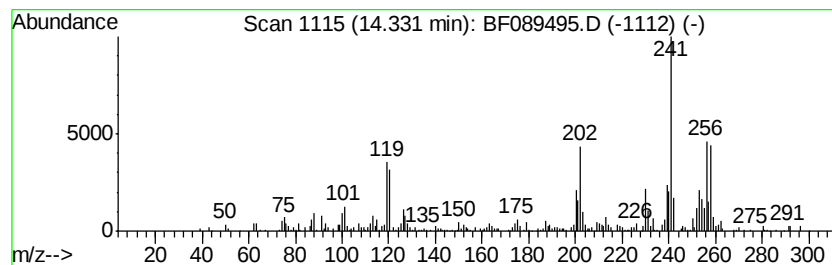
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown14.33 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	29.25 ng	308255	Perylene-d12	14.97
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Bromo-3-tert-butyl-2-methoxy-5...	256 C12H17BrO	117439-55-1 46
2		3,5-Bis(trifluoromethyl)benzoic ...	258 C9H4F6O2	000725-89-3 41
3		Dibenzo(b,def)carbazole	241 C18H11N	104313-09-9 38
4		Phenol, 4,4'-methylenebis[2,6-di...	256 C17H20O2	005384-21-4 35
5		3,5-Dimethyl-1-dimethylphenylsil...	256 C16H20OSi	1000307-90-6 30



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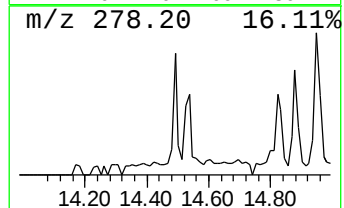
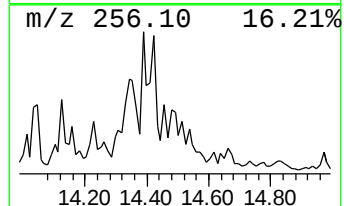
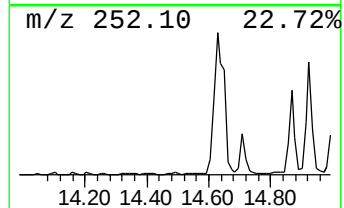
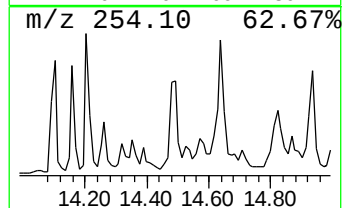
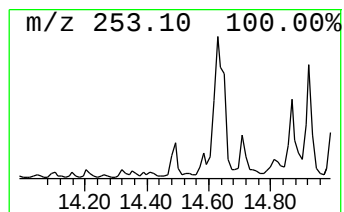
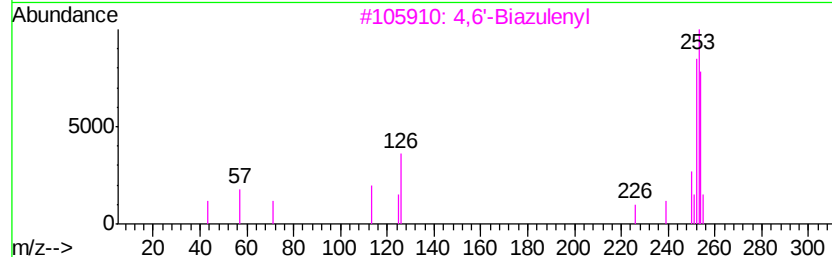
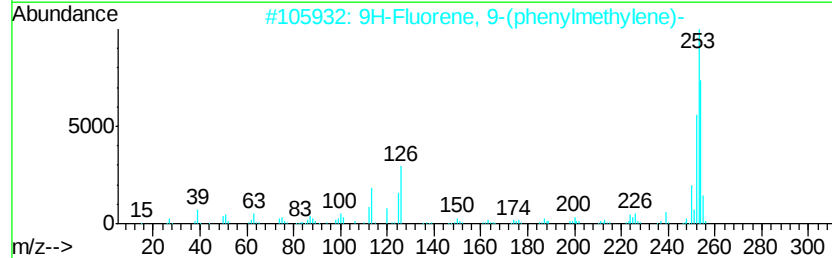
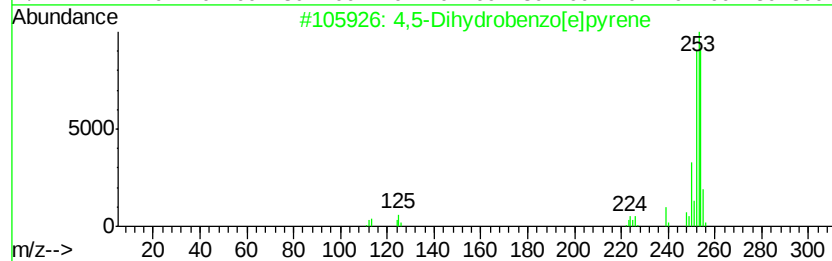
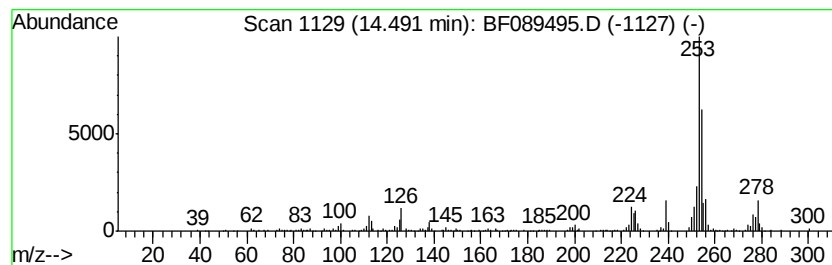
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 4,5-Dihydrobenzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	16.43 ng	173156	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	70
2		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	62
3		4,6'-Biazulenvl	254	C20H14	094154-49-1	58
4		4,4'-Biazulenvl	254	C20H14	094053-54-0	58
5		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	58



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ALS Vial : 30 Sample Multiplier: 1

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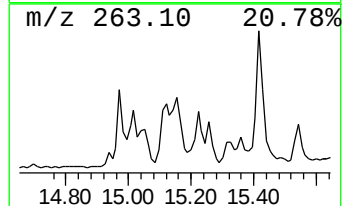
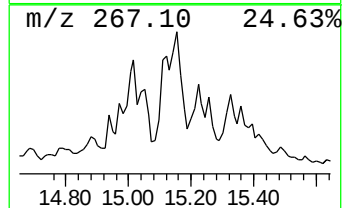
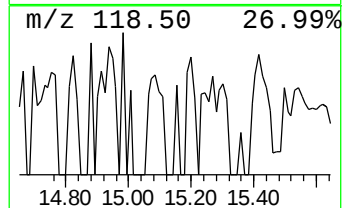
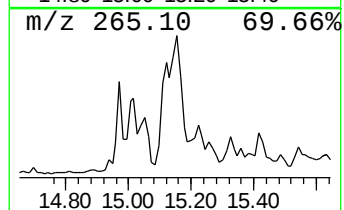
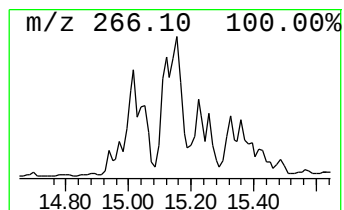
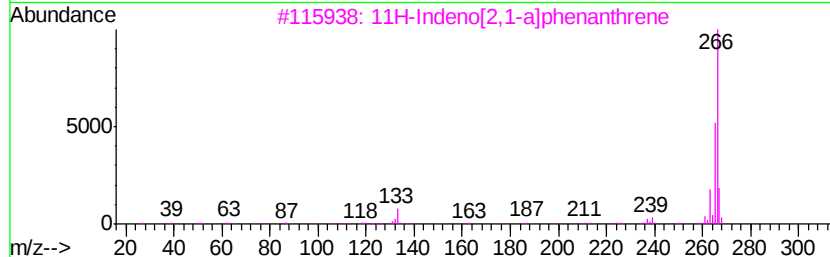
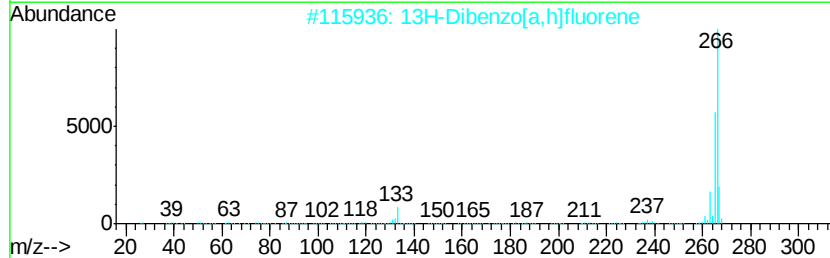
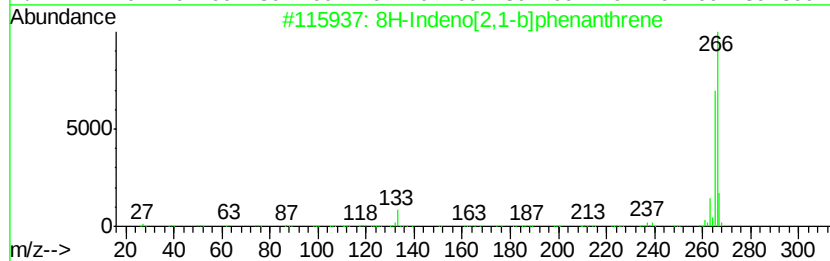
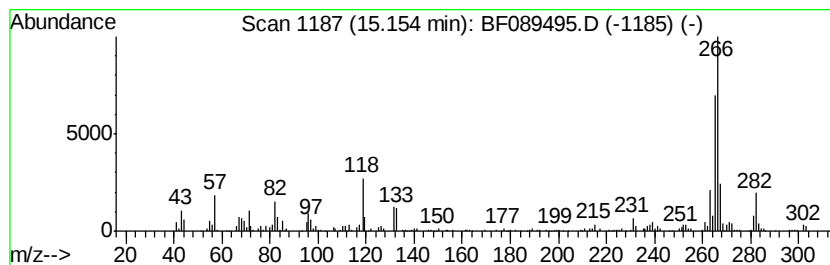
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 8H-Indeno[2,1-b]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	15.03 ng	158362	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	94
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	91
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	60
4		3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	60
5		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089495.D
Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
Sample : H4215-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

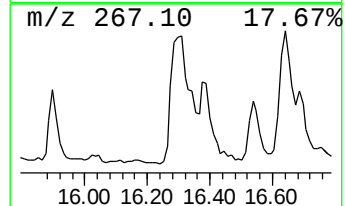
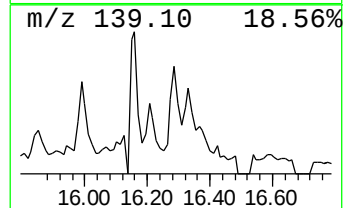
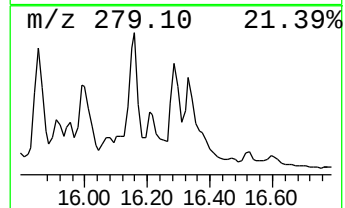
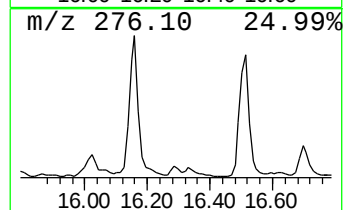
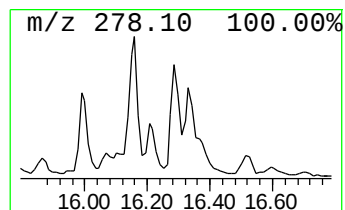
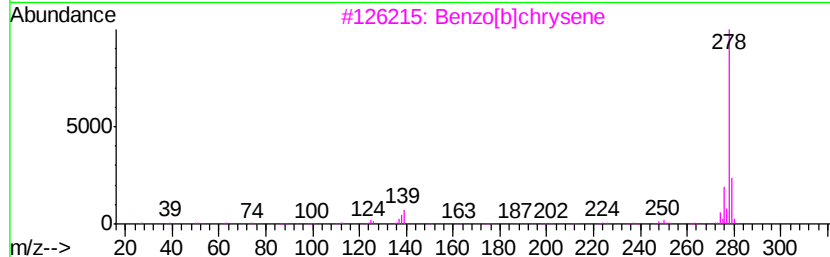
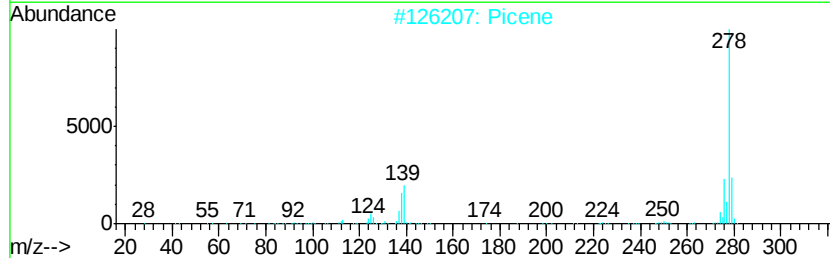
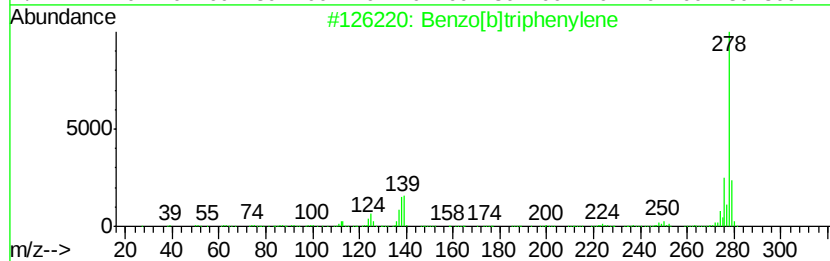
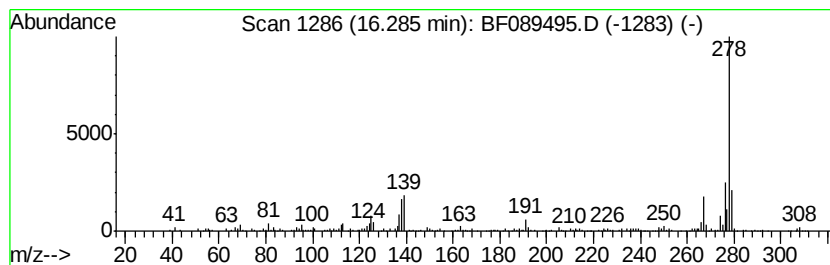
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	20.70 ng	218081	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2		Picene	278	C22H14	000213-46-7	93
3		Benzo[b]chrysene	278	C22H14	000214-17-5	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
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Acq On : 1 Aug 2016 5:01
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Misc :
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ClientSampleId :
SB-15-COMP

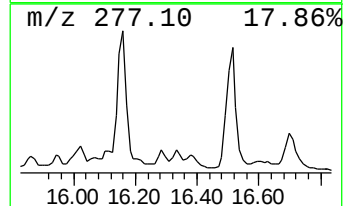
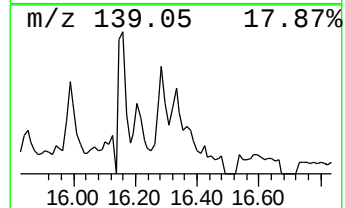
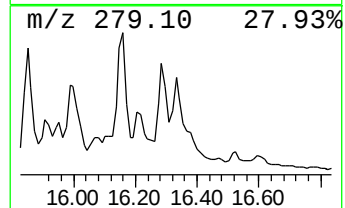
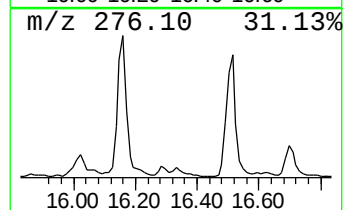
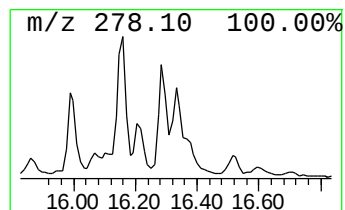
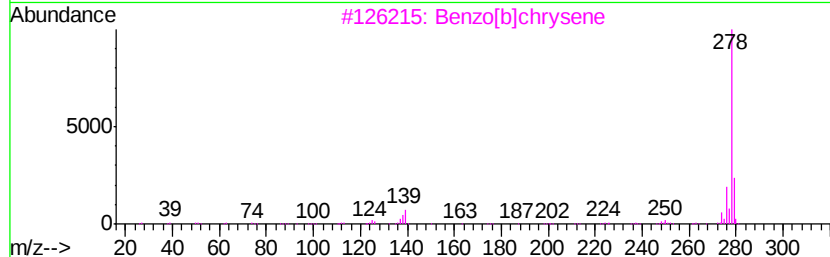
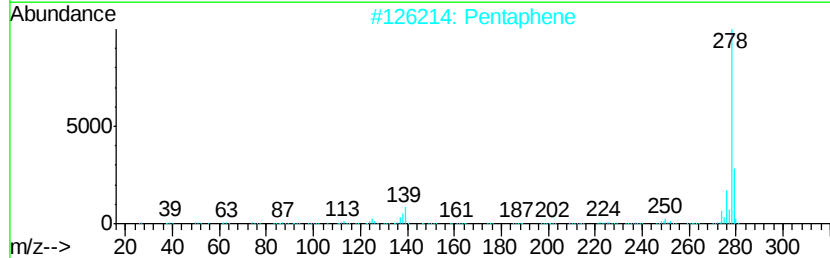
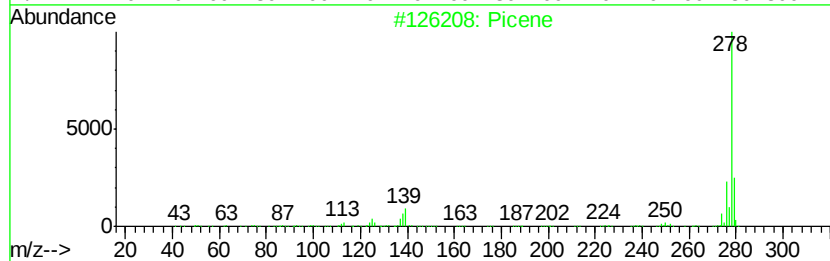
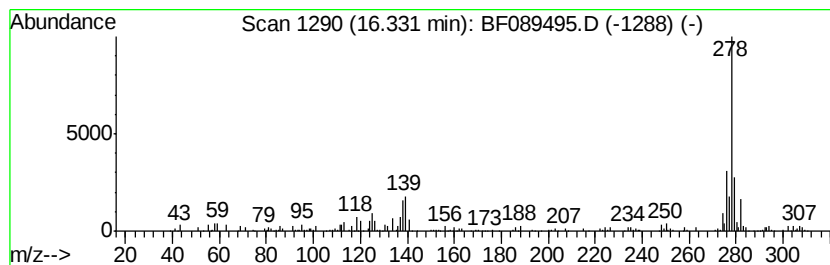
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	35.71 ng	376324	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	97
2		Pentaphene	278	C22H14	000222-93-5	96
3		Benzo[b]chrysene	278	C22H14	000214-17-5	95
4		Pentacene	278	C22H14	000135-48-8	95
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
Data File : BF089495.D
Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
Sample : H4215-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-15-COMP

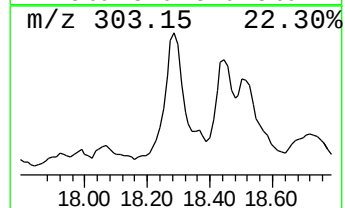
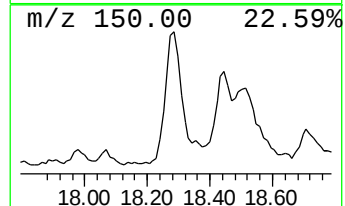
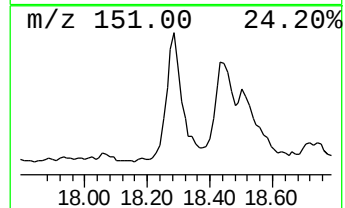
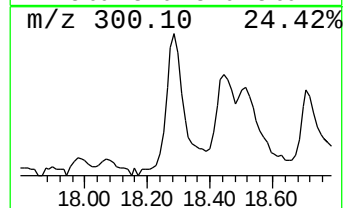
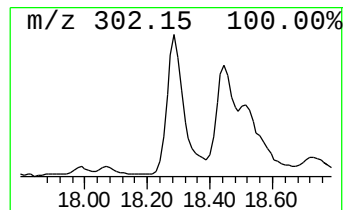
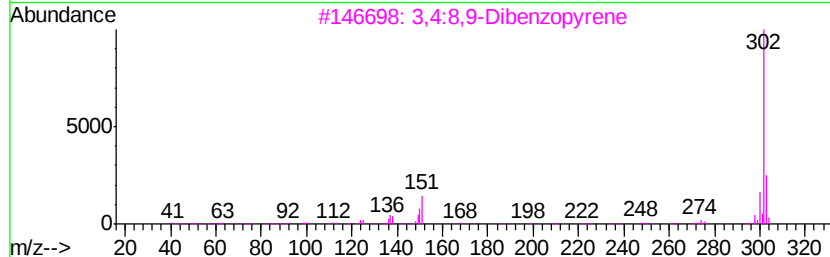
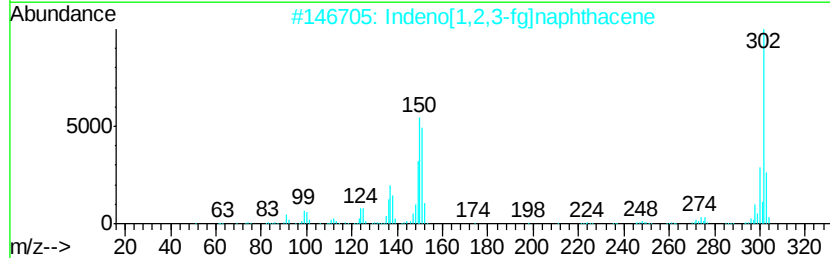
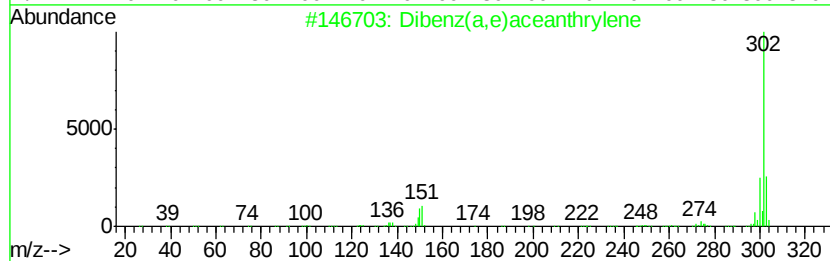
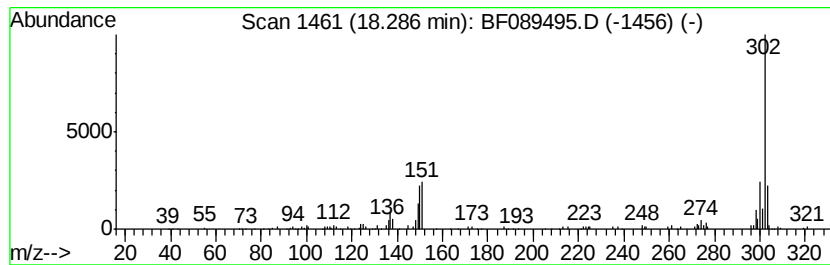
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	25.42 ng	267854	Perylene-d12	14.97

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
Data File : BF089495.D
Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
Sample : H4215-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

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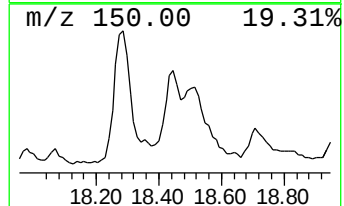
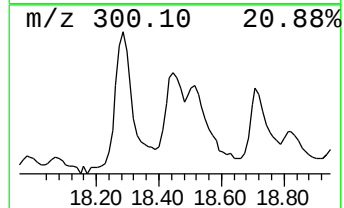
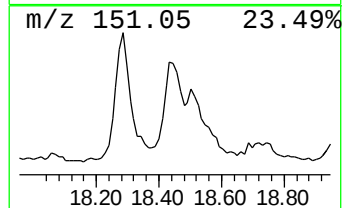
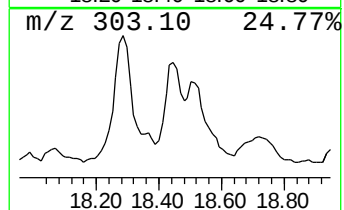
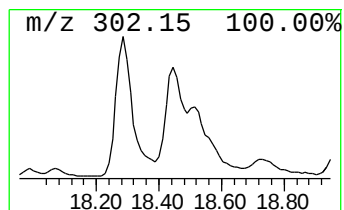
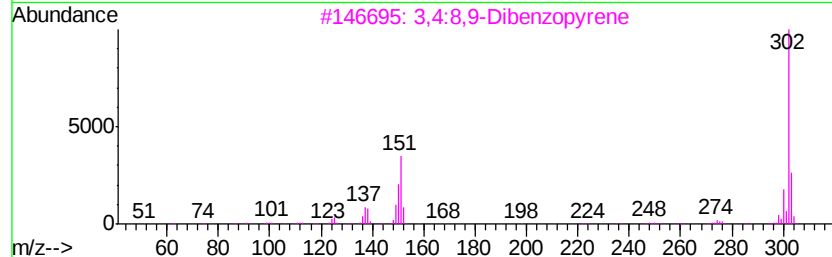
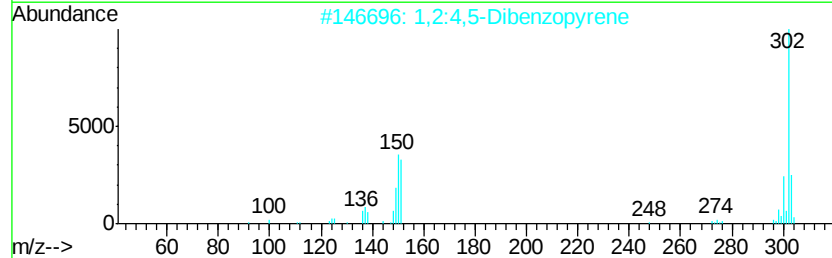
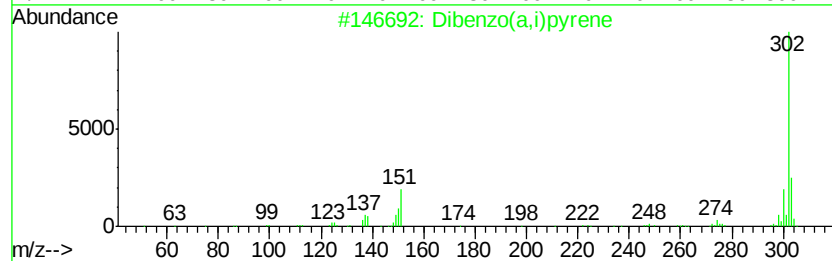
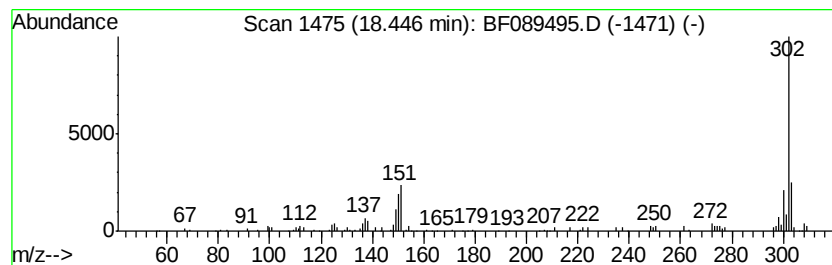
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Dibenzo(a,i)pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	17.96 ng	189241	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	92
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
Data File : BF089495.D
Acq On : 1 Aug 2016 5:01
Operator : UM/SJ
Sample : H4215-02
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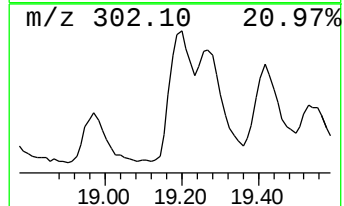
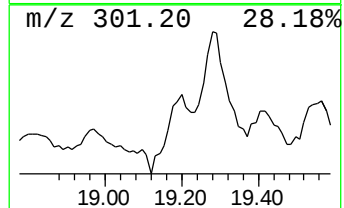
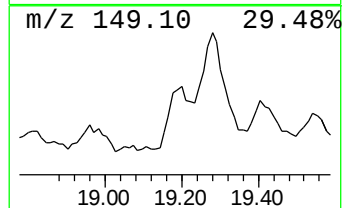
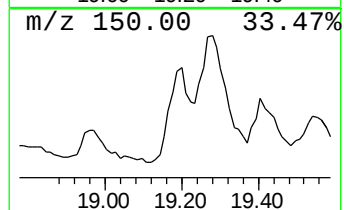
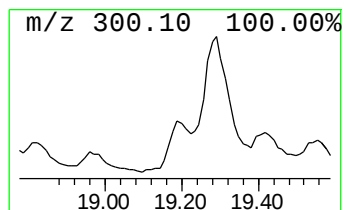
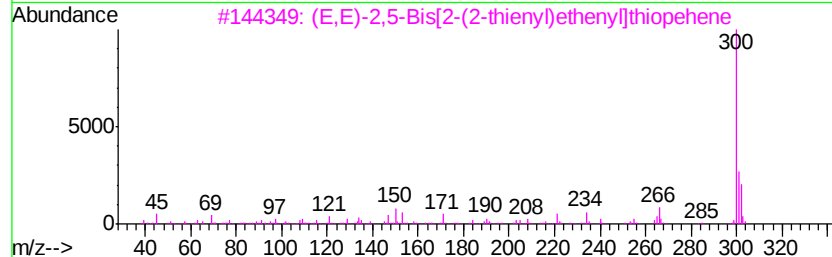
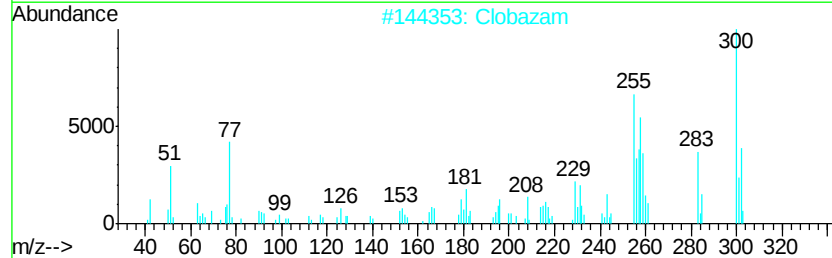
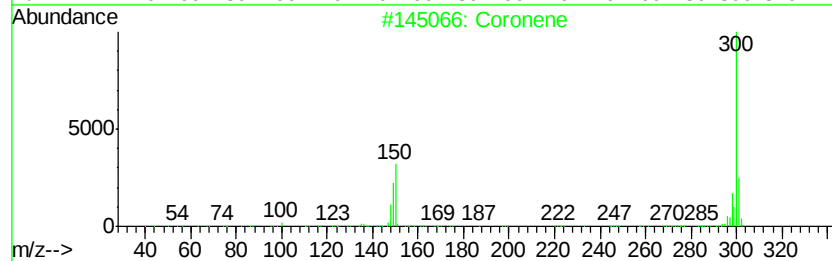
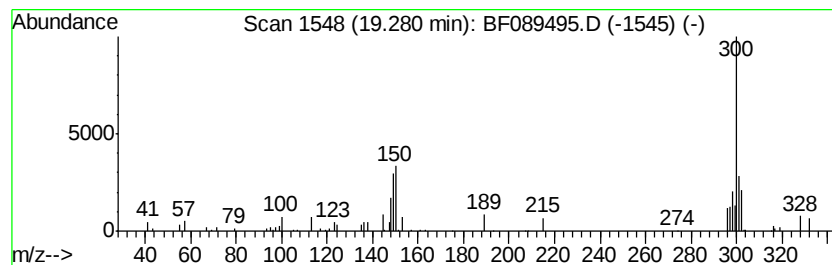
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Coronene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	10.37 ng	109312	Perylene-d12	14.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	70
2		Clobazam	300	C16H13ClN2O2	022316-47-8	43
3		(E,E)-2,5-Bis[2-(2-thienyl)ethen...	300	C16H12S3	026263-68-3	38
4		20,21-Dinoraspidospermidin-5-ol,...	300	C18H24N2O2	055162-77-1	38
5		Retinoic acid	300	C20H28O2	000302-79-4	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073116\
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 Sample : H4215-02
 Misc :
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Instrument :
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown6.26	6.26	78.9	ng	937550	1	6.49	237597	20.0
Naphthalene, 2,6-...	9.12	21.0	ng	380095	3	9.52	361656	20.0
Naphthalene, 2,3-...	9.19	24.1	ng	435806	3	9.52	361656	20.0
unknown9.21	9.21	13.2	ng	238982	3	9.52	361656	20.0
Benzene, [1-(2,4-...	10.14	18.5	ng	335182	3	9.52	361656	20.0
9H-Fluoren-9-ol	10.23	13.9	ng	251267	3	9.52	361656	20.0
unknown14.33	14.33	29.3	ng	308255	6	14.97	210747	20.0
4,5-Dihydrobenzo[...	14.49	16.4	ng	173156	6	14.97	210747	20.0
8H-Indeno[2,1-b]p...	15.15	15.0	ng	158362	6	14.97	210747	20.0
Benzo[b]triphenylene	16.29	20.7	ng	218081	6	14.97	210747	20.0
Picene	16.33	35.7	ng	376324	6	14.97	210747	20.0
Dibenz(a,e)aceant...	18.29	25.4	ng	267854	6	14.97	210747	20.0
Dibenzo(a,i)pyrene	18.45	18.0	ng	189241	6	14.97	210747	20.0
Coronene	19.28	10.4	ng	109312	6	14.97	210747	20.0