

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085190.D
 Acq On : 4 Mar 2016 7:00
 Operator : SJ/UM
 Sample : H1649-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BTWC-1-20160301

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-BF030316.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	3.578	101	113	115	rBV	485109	2546003	61.79%	4.306%
2	4.047	151	154	156	rBV	47012	71074	1.72%	0.120%
3	5.190	251	254	261	rBV	976014	1221326	29.64%	2.065%
4	5.590	286	289	291	rBV	3117872	3027374	73.47%	5.120%
5	6.607	374	378	380	rBV	3598676	4120304	100.00%	6.968%
6	6.744	387	390	393	rBV	3230697	4009326	97.31%	6.780%
7	6.984	408	411	413	rBV	665514	891477	21.64%	1.508%
8	7.133	422	424	427	rVB	2779771	3496610	84.86%	5.913%
9	7.545	456	460	462	rBV	2916942	3105861	75.38%	5.253%
10	8.265	520	523	524	rBV	1435365	1262957	30.65%	2.136%
11	8.287	524	525	527	rVB	207660	144784	3.51%	0.245%
12	8.973	584	585	588	rVB	90941	79565	1.93%	0.135%
13	9.076	592	594	596	rBV	88608	78365	1.90%	0.133%
14	9.339	614	617	619	rBV	4256679	3976450	96.51%	6.725%
15	9.419	622	624	625	rBV	65138	64350	1.56%	0.109%
16	9.602	638	640	642	rBV	36651	48556	1.18%	0.082%
17	9.670	642	646	649	rBV2	81266	163842	3.98%	0.277%
18	9.728	649	651	653	rVV	788469	701755	17.03%	1.187%
19	9.796	655	657	662	rVB	53620	67198	1.63%	0.114%
20	9.876	662	664	666	rBV	183522	166988	4.05%	0.282%
21	9.945	668	670	672	rVV	162103	153662	3.73%	0.260%
22	10.025	674	677	678	rVV	941778	1198992	29.10%	2.028%
23	10.048	678	679	681	rVB	189345	179753	4.36%	0.304%
24	10.173	687	690	692	rBV3	46070	67339	1.63%	0.114%
25	10.219	692	694	696	rVV	189107	204872	4.97%	0.346%
26	10.265	696	698	700	rVB3	52715	60572	1.47%	0.102%
27	10.448	710	714	715	rBV	260226	274451	6.66%	0.464%
28	10.562	722	724	727	rVB	210995	206341	5.01%	0.349%
29	10.653	727	732	737	rBV4	83473	270549	6.57%	0.458%
30	10.722	737	738	739	rVB	95270	65863	1.60%	0.111%
31	10.802	742	745	747	rBV	1288521	1258843	30.55%	2.129%
32	10.916	754	755	760	rVB	216444	300791	7.30%	0.509%
33	11.111	769	772	773	rBV2	82248	104761	2.54%	0.177%
34	11.145	773	775	776	rVV	43491	56506	1.37%	0.096%

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35	11.202	776	780	781 rVV4	27681	56190	1.36%	0.095%
36	11.259	781	785	788 rVV4	59082	155419	3.77%	0.263%
37	11.305	788	789	791 rVV	180641	153215	3.72%	0.259%
38	11.362	791	794	796 rVV2	131549	216614	5.26%	0.366%
39	11.396	796	797	800 rVB	176127	187603	4.55%	0.317%
40	11.534	807	809	810 rVB	2095347	2030848	49.29%	3.435%
41	11.579	810	813	814 rVV	467597	389113	9.44%	0.658%
42	11.614	814	816	817 rVB	48513	53546	1.30%	0.091%
43	11.728	823	826	829 rBV2	236459	298478	7.24%	0.505%
44	11.796	830	832	834 rVV2	97262	119729	2.91%	0.202%
45	11.831	834	835	838 rVB2	53834	68039	1.65%	0.115%
46	11.956	844	846	848 rBV	52751	70411	1.71%	0.119%
47	12.036	848	853	854 rVV2	404302	786379	19.09%	1.330%
48	12.071	854	856	858 rVV3	135091	209119	5.08%	0.354%
49	12.116	858	860	864 rVB2	422768	616654	14.97%	1.043%
50	12.196	864	867	869 rBV2	57167	115345	2.80%	0.195%
51	12.276	872	874	875 rBV2	42008	66233	1.61%	0.112%
52	12.322	875	878	880 rVB2	246744	363854	8.83%	0.615%
53	12.379	880	883	885 rVB2	27368	45245	1.10%	0.077%
54	12.448	885	889	890 rBV	96266	117595	2.85%	0.199%
55	12.482	890	892	895 rVB2	84384	129744	3.15%	0.219%
56	12.551	896	898	900 rBV	153935	188237	4.57%	0.318%
57	12.585	900	901	904 rBV2	90124	140761	3.42%	0.238%
58	12.642	904	906	909 rVB	129967	161868	3.93%	0.274%
59	12.722	910	913	915 rBV	2275440	2292201	55.63%	3.877%
60	12.779	915	918	919 rVB2	55256	82880	2.01%	0.140%
61	12.814	919	921	922 rBV	81899	101648	2.47%	0.172%
62	12.848	922	924	925 rBV2	45476	82618	2.01%	0.140%
63	12.871	925	926	927 rVB	68698	47092	1.14%	0.080%
64	12.951	929	933	935 rBV2	1791986	2246782	54.53%	3.800%
65	12.997	935	937	939 rVB2	92832	134136	3.26%	0.227%
66	13.088	941	945	949 rBV	2990076	2982466	72.38%	5.044%
67	13.168	949	952	955 rBV3	152622	299433	7.27%	0.506%
68	13.271	958	961	963 rVB	230735	335554	8.14%	0.567%
69	13.317	963	965	966 rBV2	64122	103812	2.52%	0.176%
70	13.339	966	967	968 rVV	135776	107800	2.62%	0.182%
71	13.374	968	970	972 rVV	214851	223563	5.43%	0.378%

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72	13.442	974	976	977	rBV2	89148	141289	3.43%	0.239%
73	13.499	980	981	983	rVV	83266	77729	1.89%	0.131%
74	13.659	993	995	999	rBV4	69873	192552	4.67%	0.326%
75	13.774	1003	1005	1010	rVB	255819	301271	7.31%	0.510%
76	13.888	1012	1015	1017	rVV2	165254	328884	7.98%	0.556%
77	13.979	1021	1023	1027	rVB2	450434	581999	14.13%	0.984%
78	14.139	1034	1037	1038	rBV2	1166155	1662896	40.36%	2.812%
79	14.162	1038	1039	1042	rVB	582606	768986	18.66%	1.300%
80	14.528	1069	1071	1072	rVV	139353	144419	3.51%	0.244%
81	14.562	1072	1074	1076	rVB	105177	95417	2.32%	0.161%
82	14.654	1080	1082	1085	rVB2	105135	166455	4.04%	0.282%
83	14.997	1110	1112	1119	rVB3	139791	310386	7.53%	0.525%
84	15.180	1126	1128	1133	rBV	618901	1451053	35.22%	2.454%
85	15.294	1136	1138	1140	rVB	156424	174879	4.24%	0.296%
86	15.488	1153	1155	1158	rVB	410785	575590	13.97%	0.973%
87	15.557	1158	1161	1164	rVV	572364	756194	18.35%	1.279%
88	15.614	1164	1166	1172	rVB2	530406	1010394	24.52%	1.709%
89	17.088	1292	1295	1300	rVB2	247604	497149	12.07%	0.841%
90	17.534	1331	1334	1341	rVB	196075	465167	11.29%	0.787%

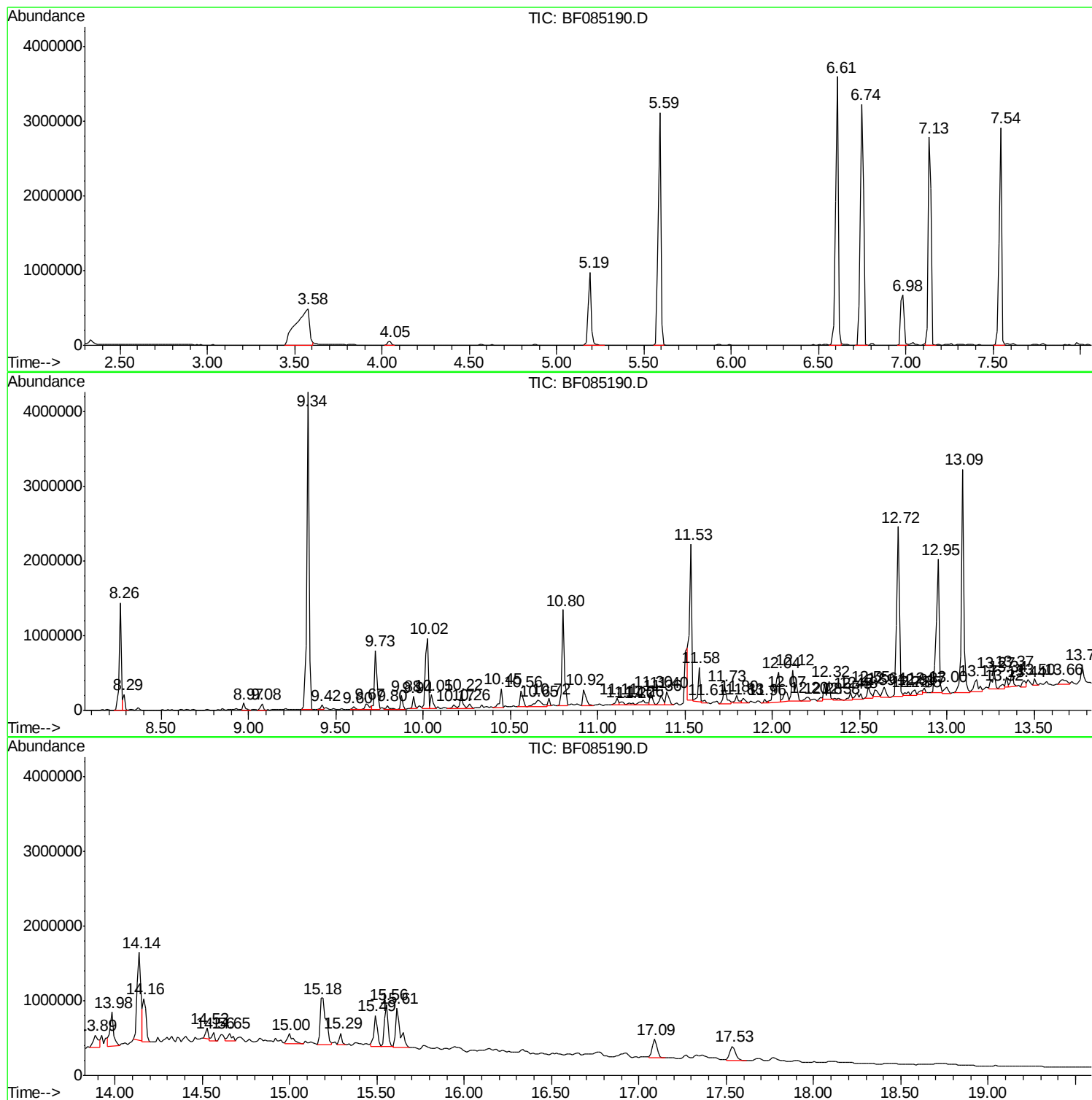
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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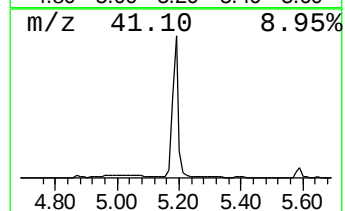
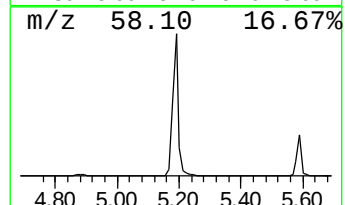
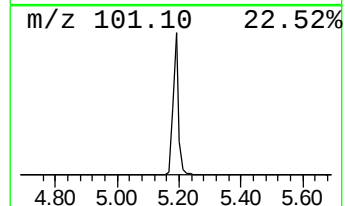
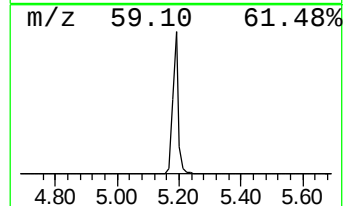
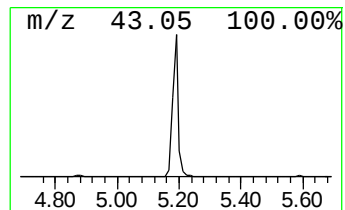
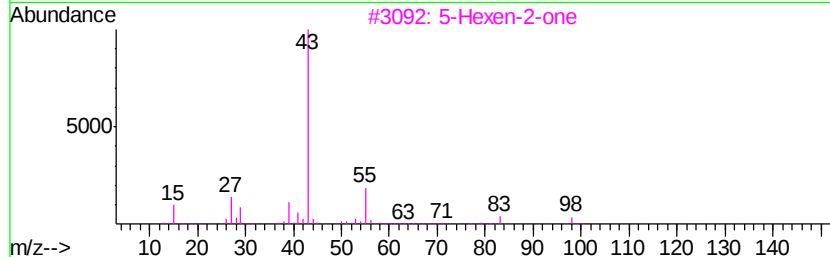
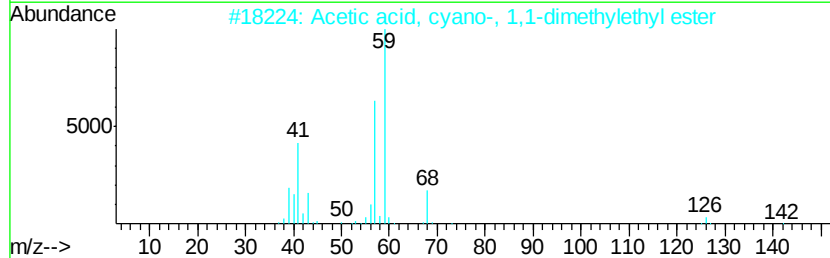
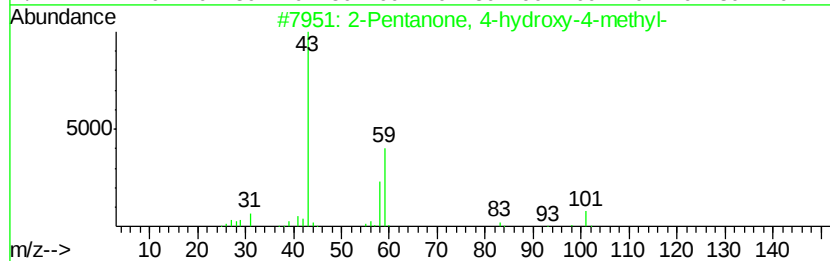
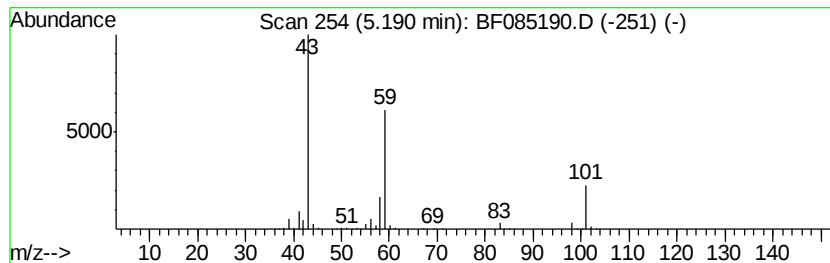
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	27.40 ng	1221330	1,4-Dichlorobenzene-d4	6.98

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-dimethy...	141	C7H11NO2	001116-98-9	23
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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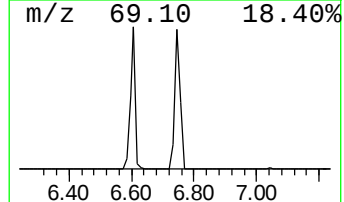
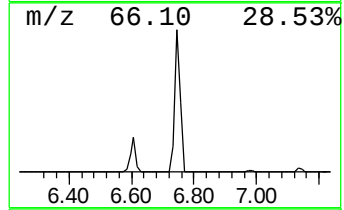
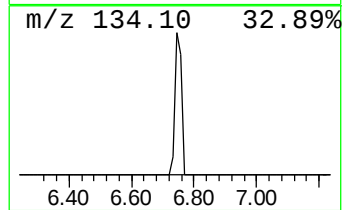
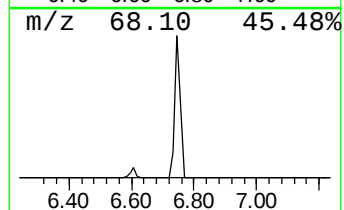
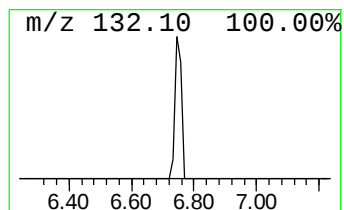
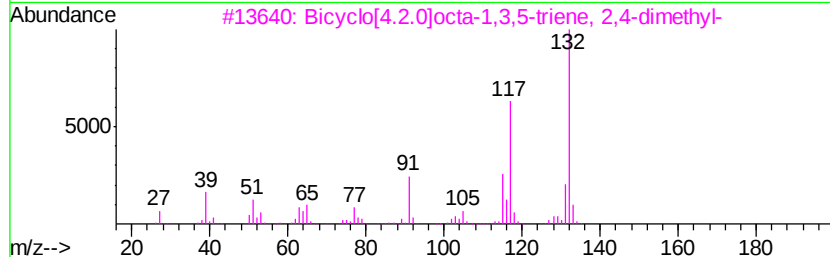
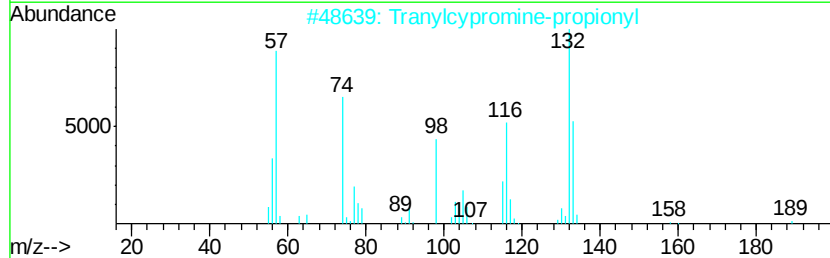
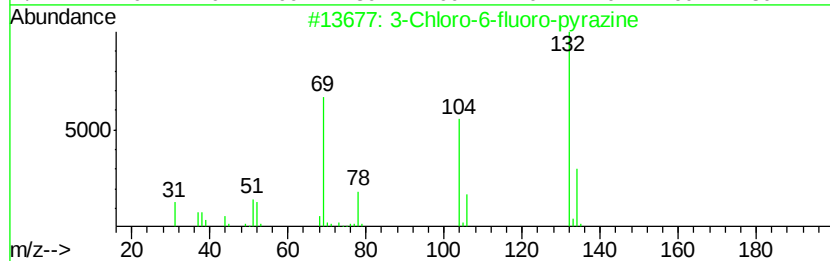
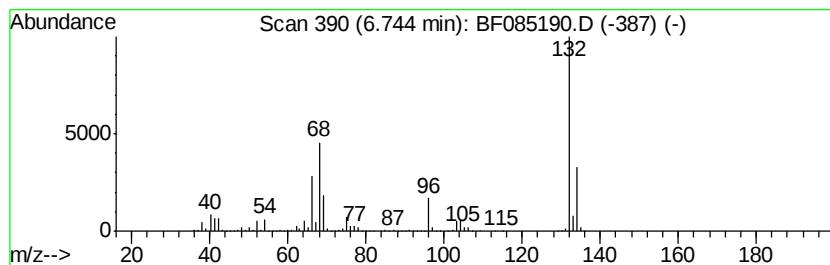
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	89.95 ng	4009330	1,4-Dichlorobenzene-d4	6.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



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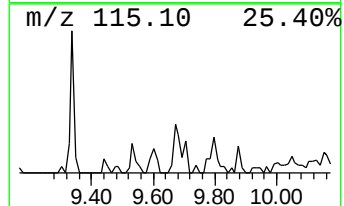
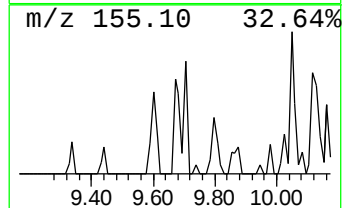
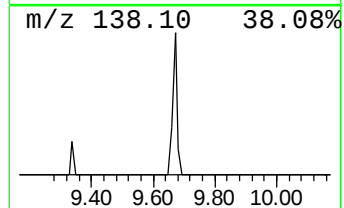
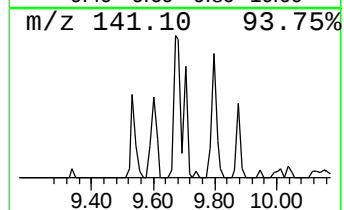
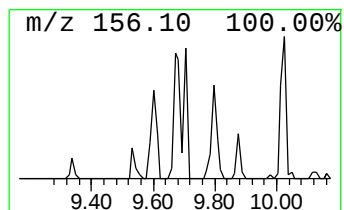
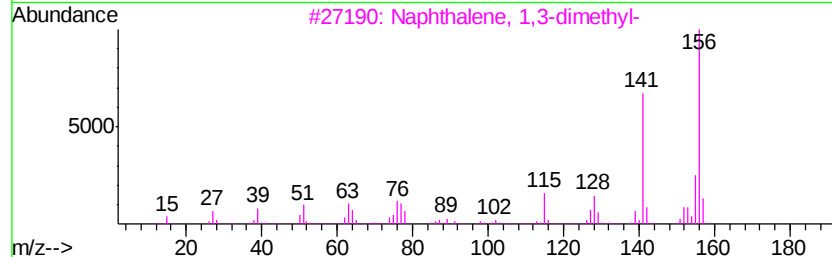
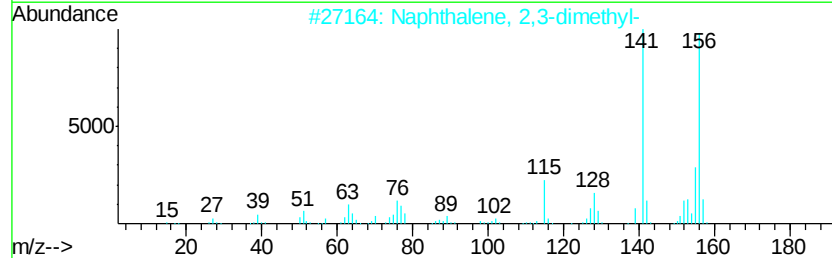
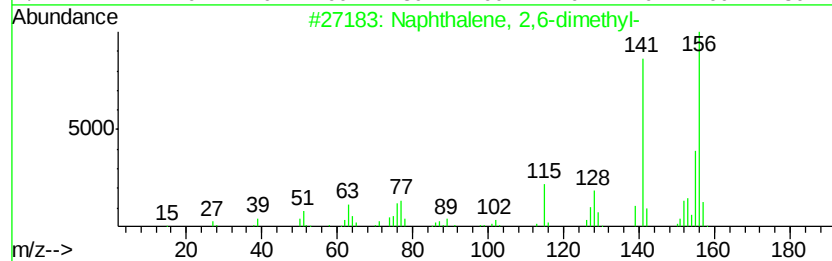
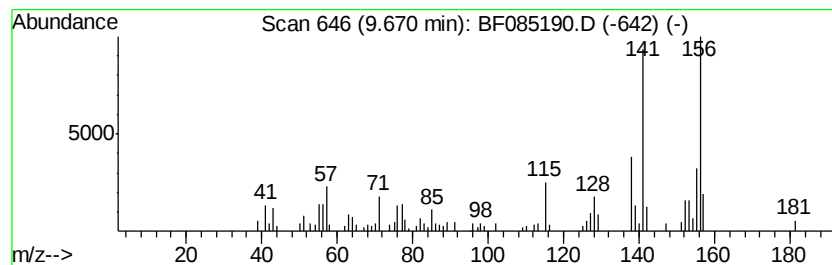
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	2.73 ng	163842	Acenaphthene-d10	10.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



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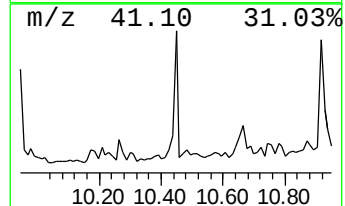
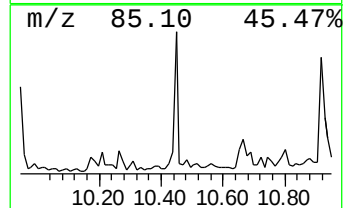
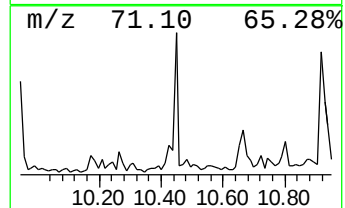
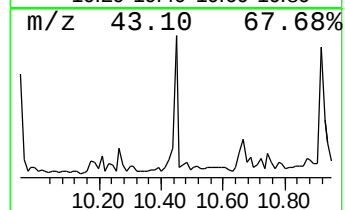
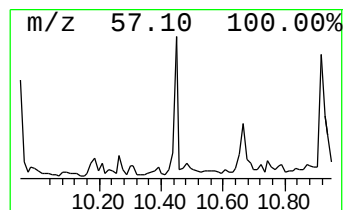
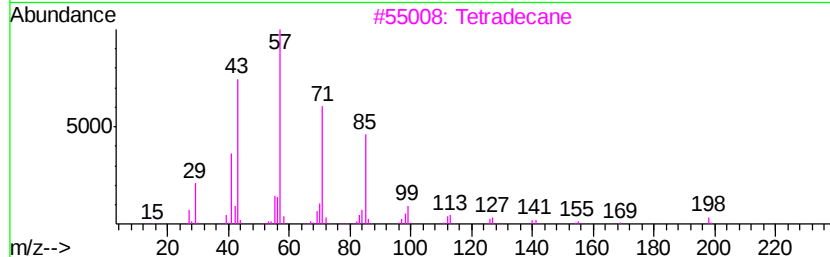
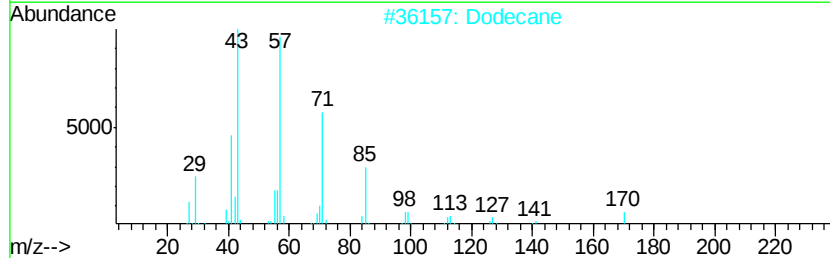
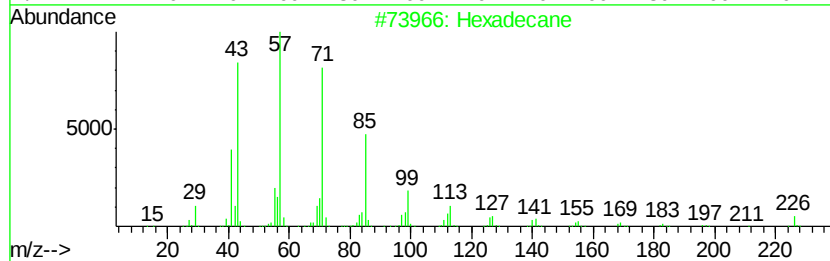
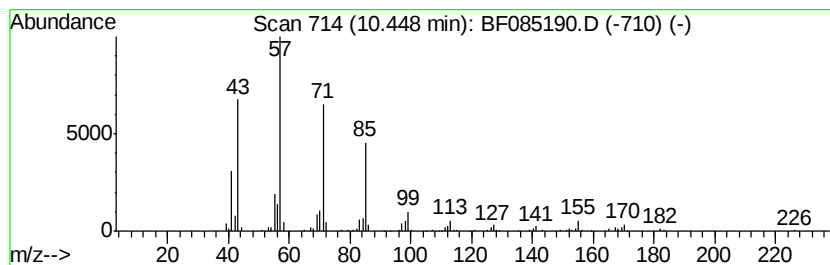
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ClientSampleId :
BTWC-1-20160301

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	4.58 ng	274451	Acenaphthene-d10	10.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	94
2	Dodecane	170 C12H26	000112-40-3	87
3	Tetradecane	198 C14H30	000629-59-4	86
4	Eicosane	282 C20H42	000112-95-8	68
5	Pentadecane	212 C15H32	000629-62-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
Acq On : 4 Mar 2016 7:00
Operator : SJ/UM
Sample : H1649-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

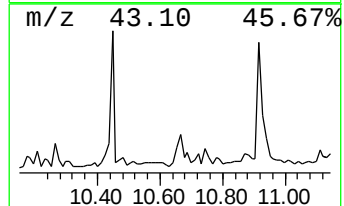
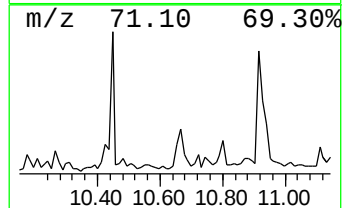
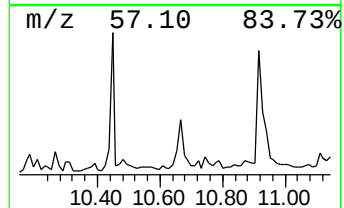
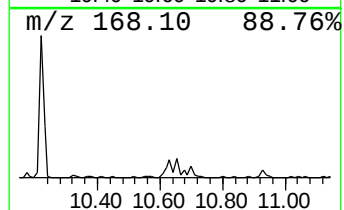
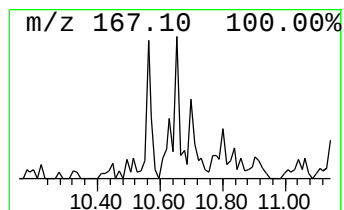
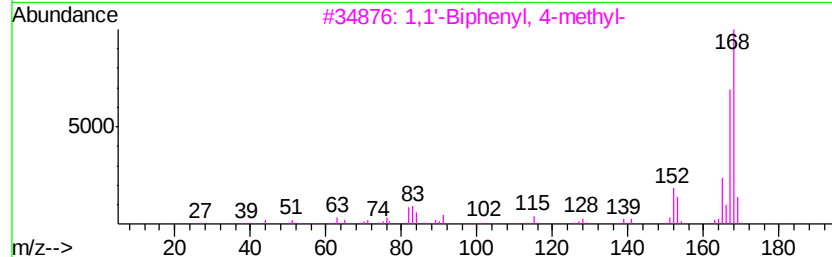
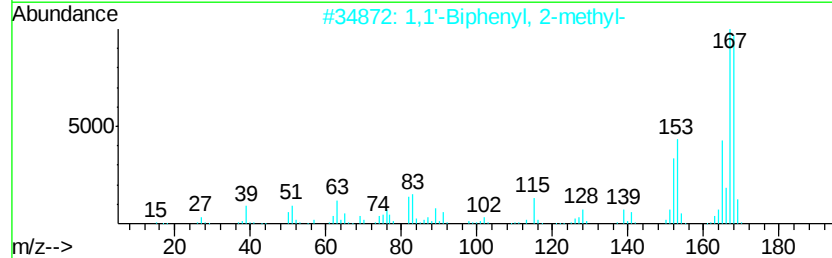
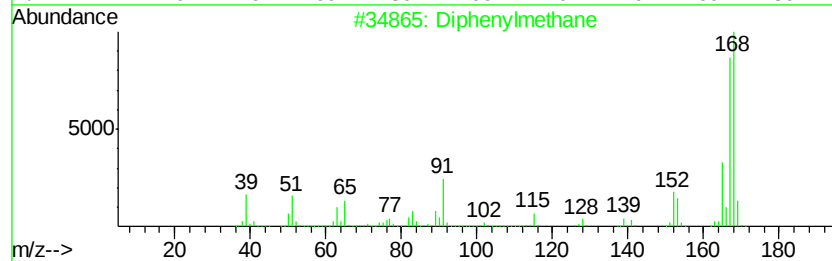
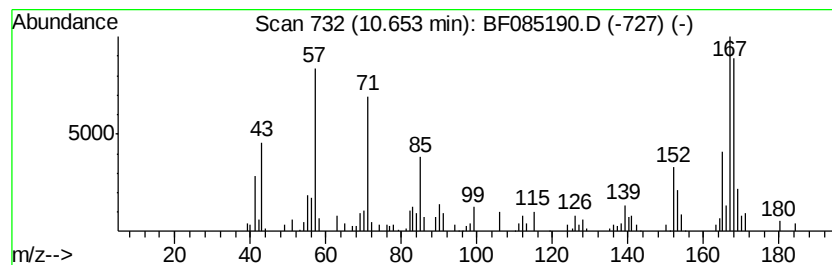
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Diphenylmethane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	4.51 ng	270549	Acenaphthene-d10	10.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Diphenylmethane	168 C13H12	000101-81-5 53
2		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 50
3		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 46
4		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 46
5		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
Acq On : 4 Mar 2016 7:00
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Misc :
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Instrument :
BNA_F
ClientSampleId :
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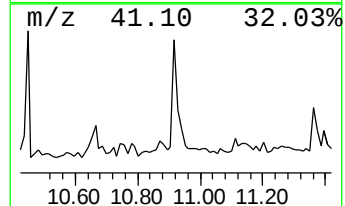
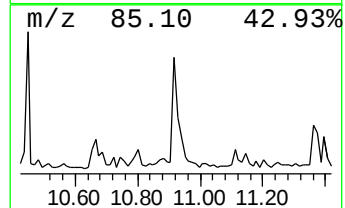
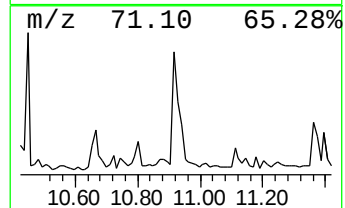
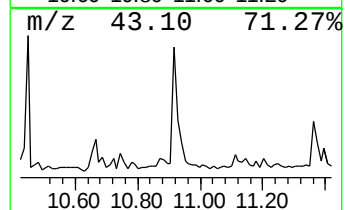
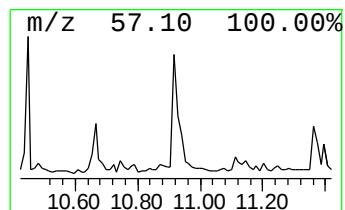
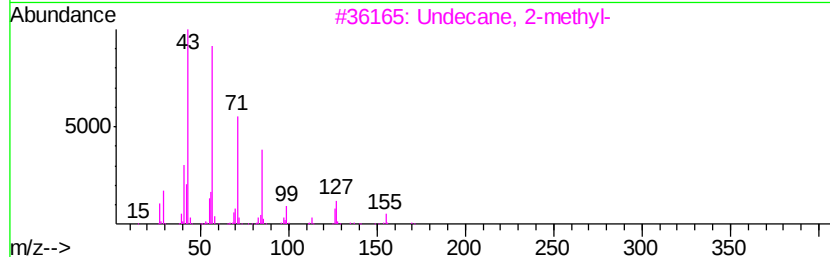
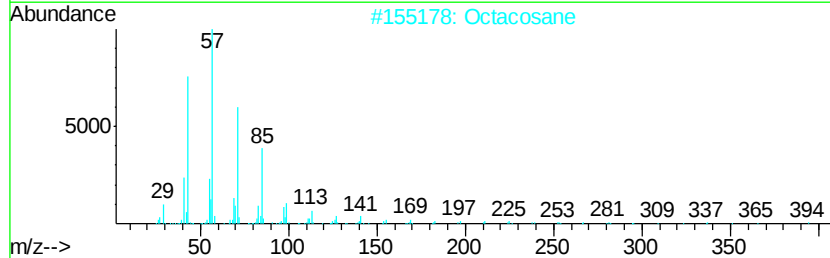
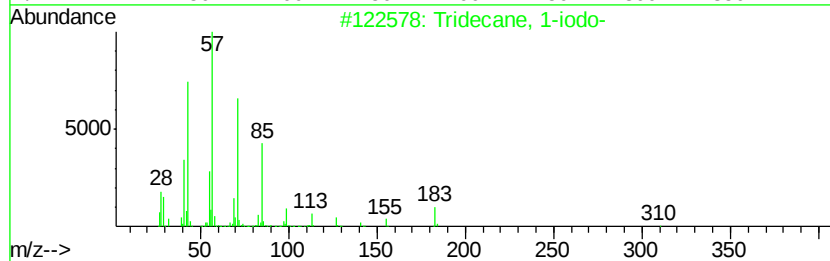
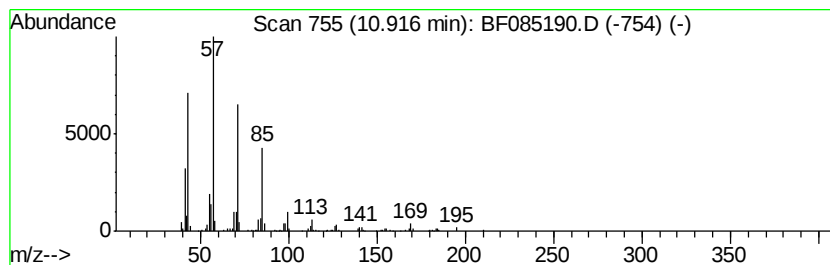
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tridecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.96 ng	300791	Phenanthrene-d10	11.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
2		Octacosane	394	C28H58	000630-02-4	86
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	80
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
5		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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Acq On : 4 Mar 2016 7:00
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Sample : H1649-01
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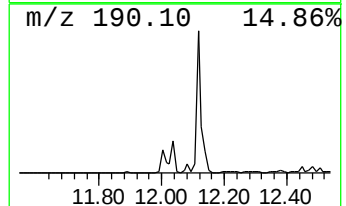
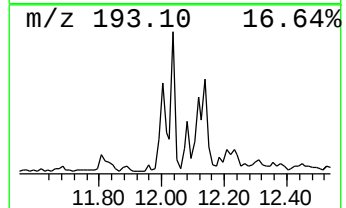
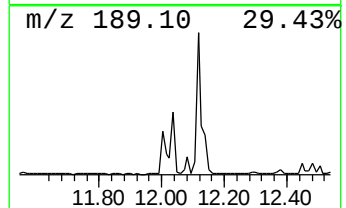
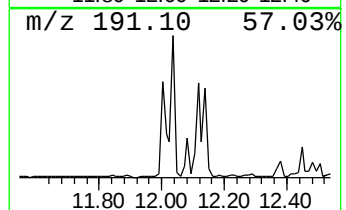
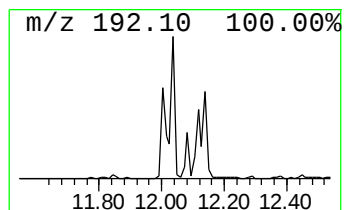
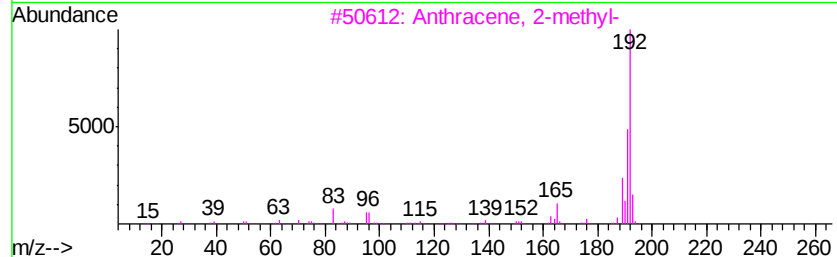
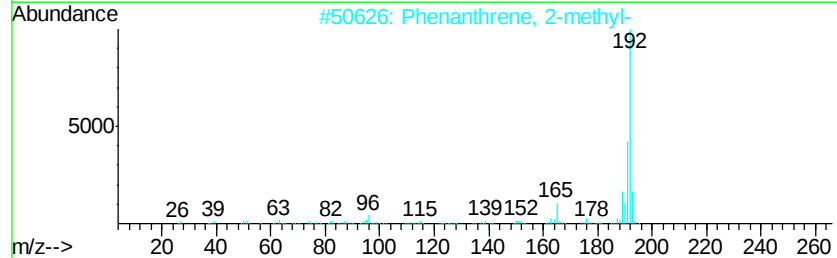
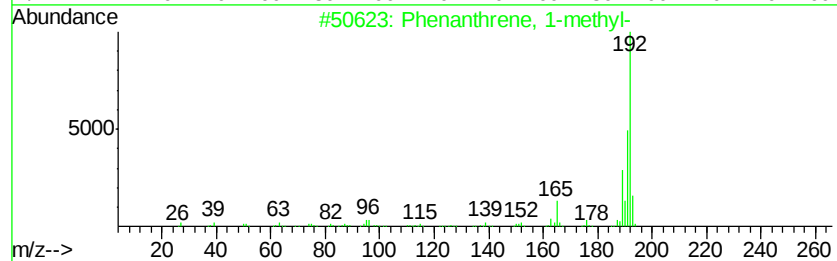
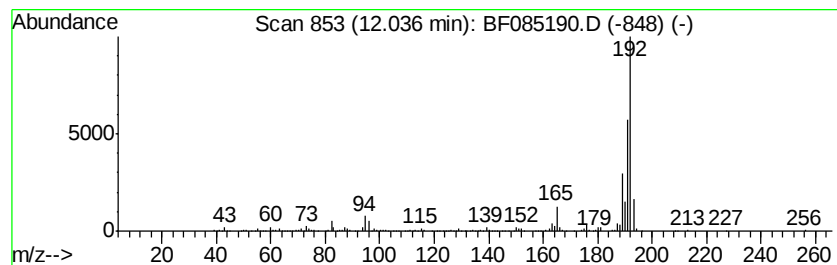
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.04	7.74 ng	786379	Phenanthrene-d10	11.51	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
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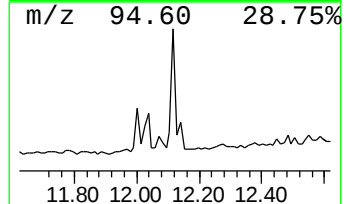
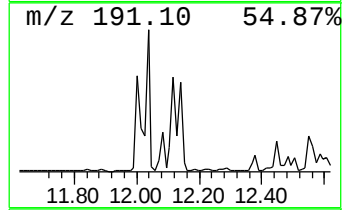
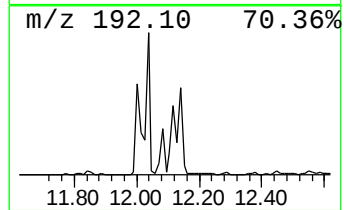
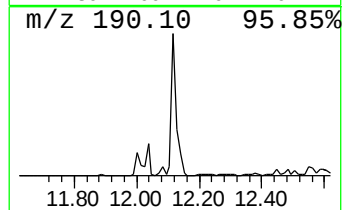
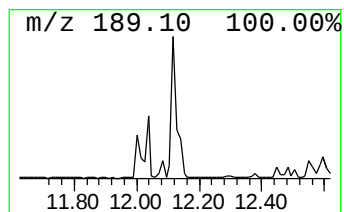
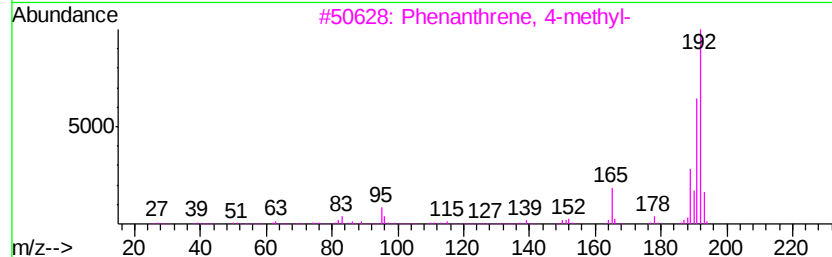
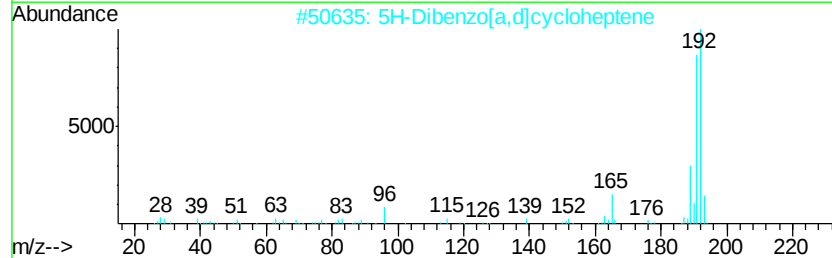
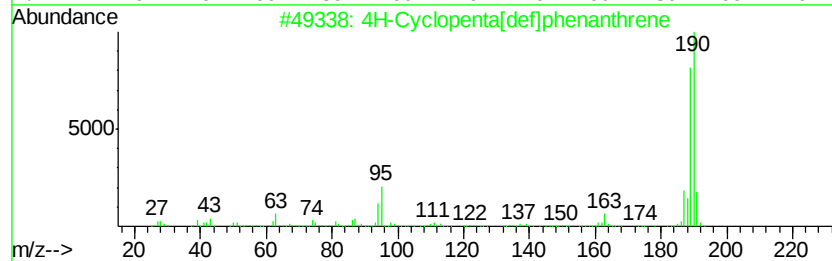
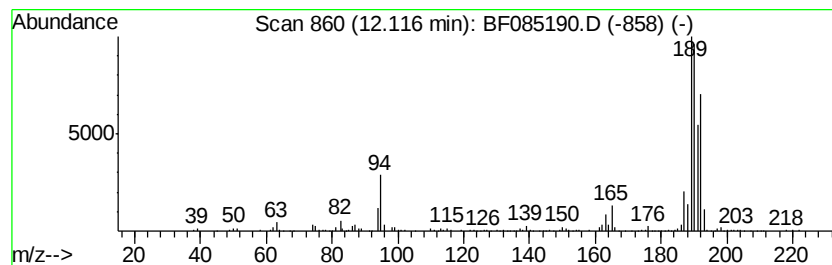
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	6.07 ng	616654	Phenanthrene-d10	11.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5		3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
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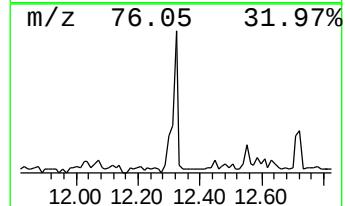
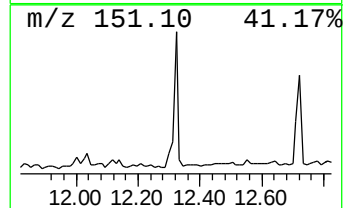
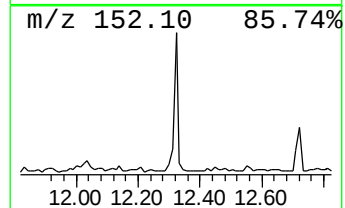
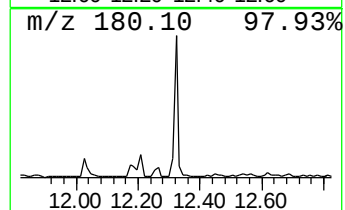
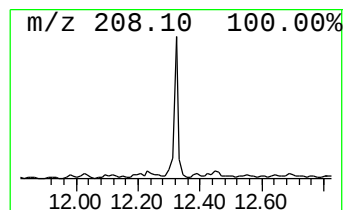
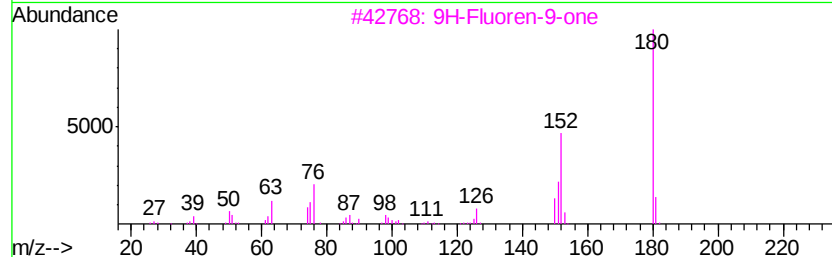
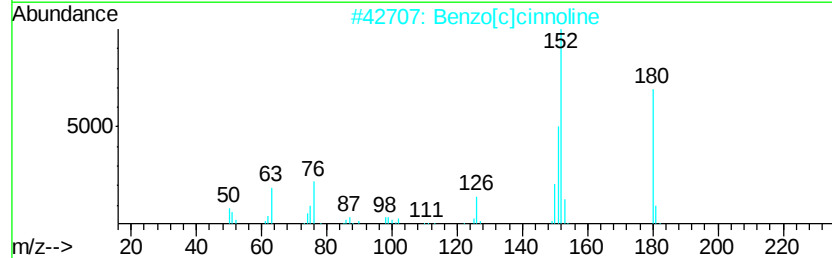
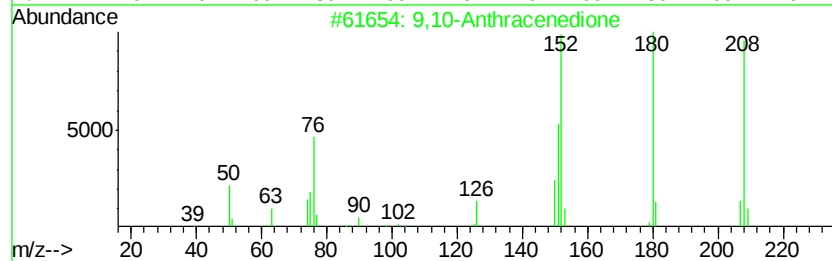
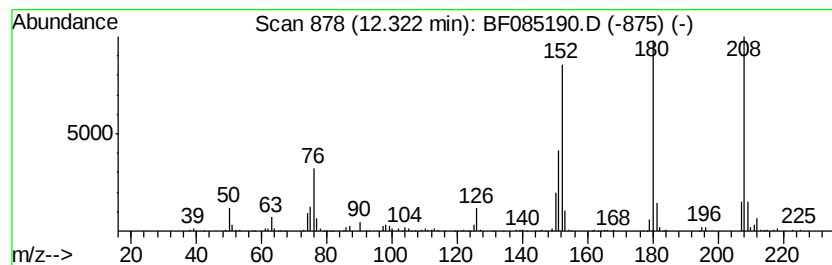
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.58 ng	363854	Phenanthrene-d10	11.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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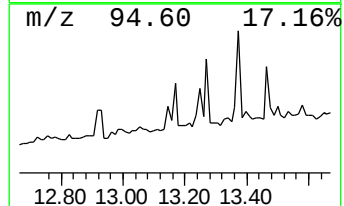
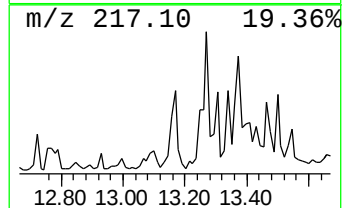
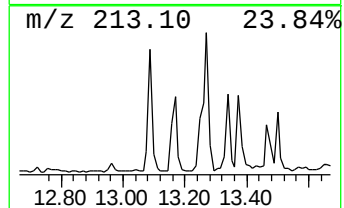
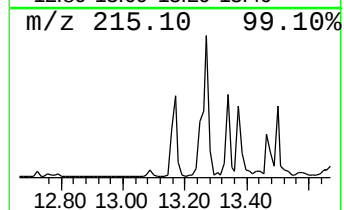
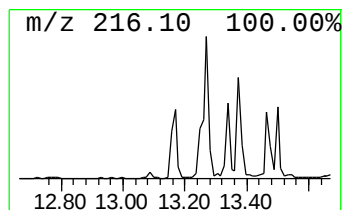
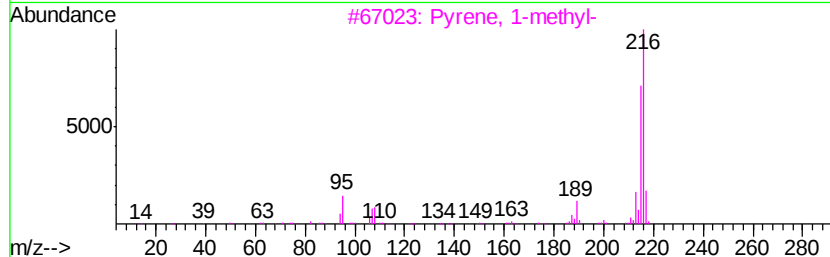
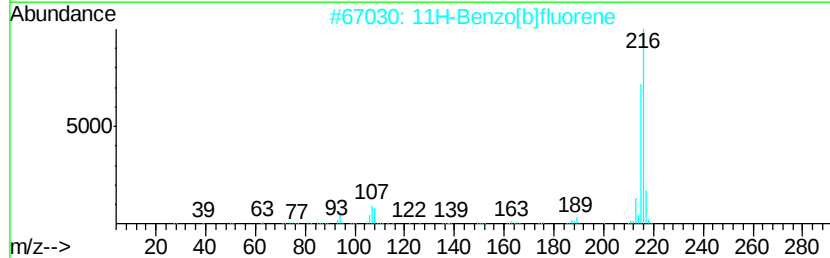
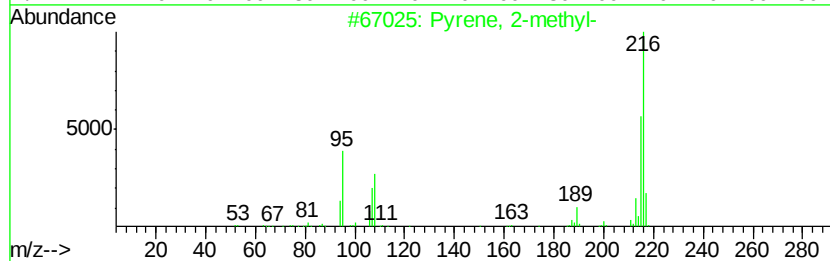
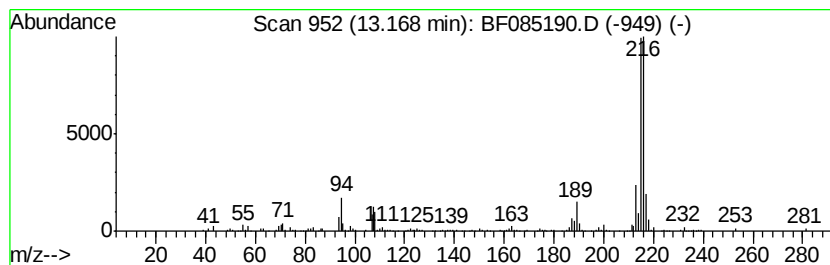
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.60 ng	299433	Chrysene-d12	14.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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Acq On : 4 Mar 2016 7:00
Operator : SJ/UM
Sample : H1649-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BTWC-1-20160301

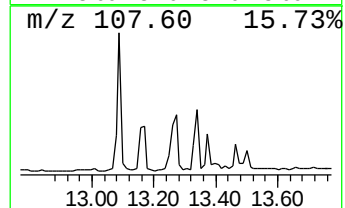
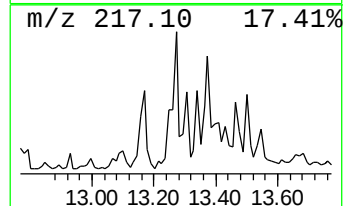
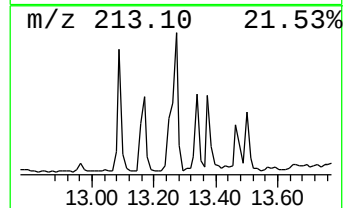
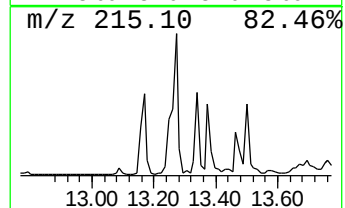
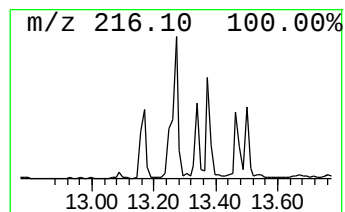
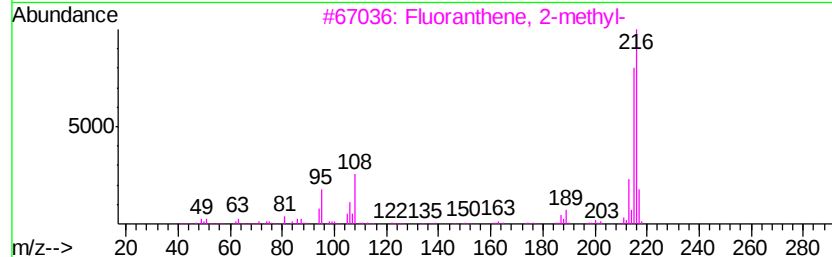
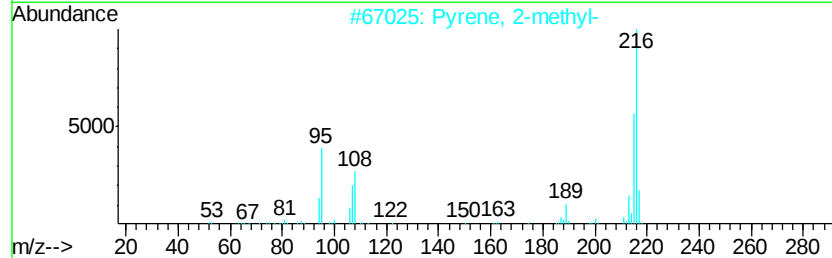
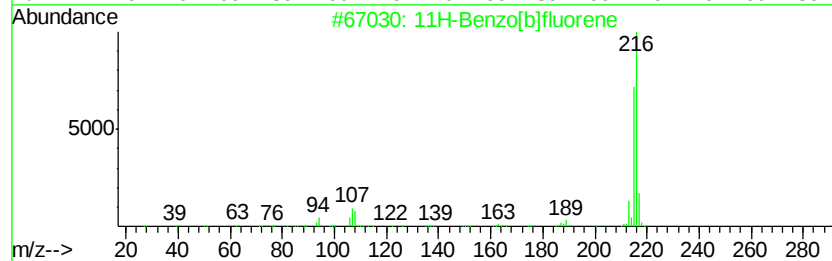
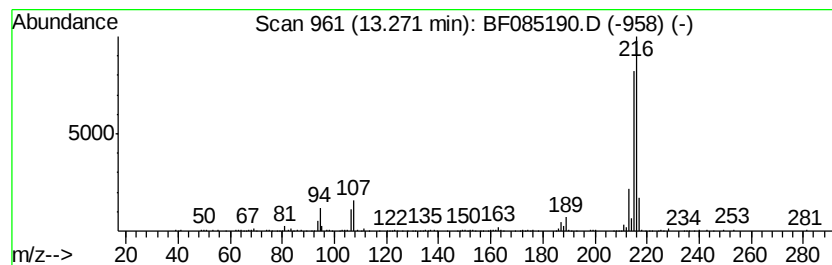
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.04 ng	335554	Chrysene-d12	14.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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Misc :
ALS Vial : 34 Sample Multiplier: 1

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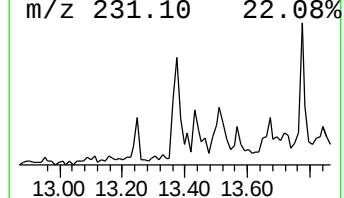
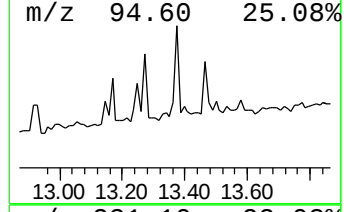
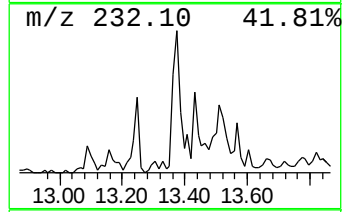
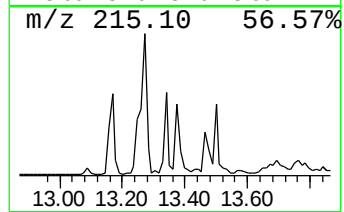
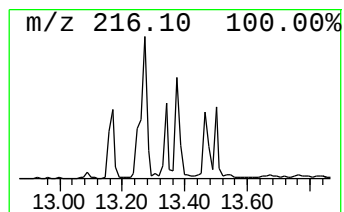
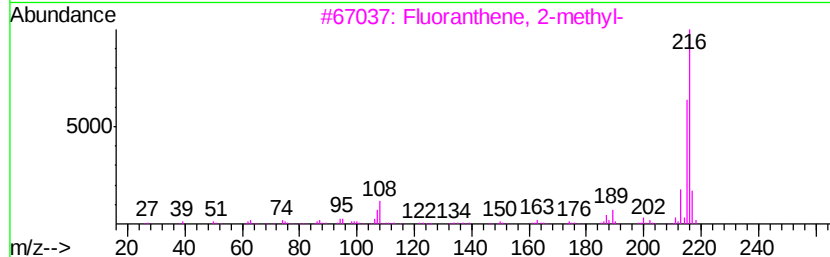
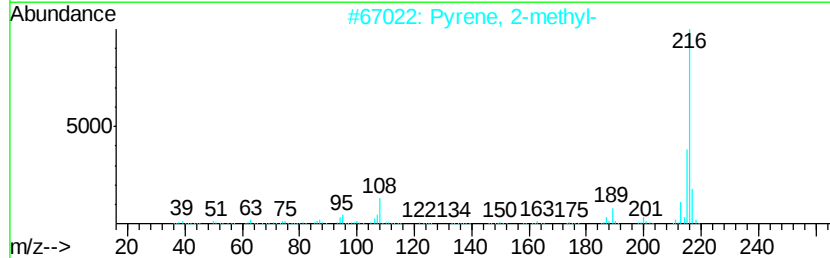
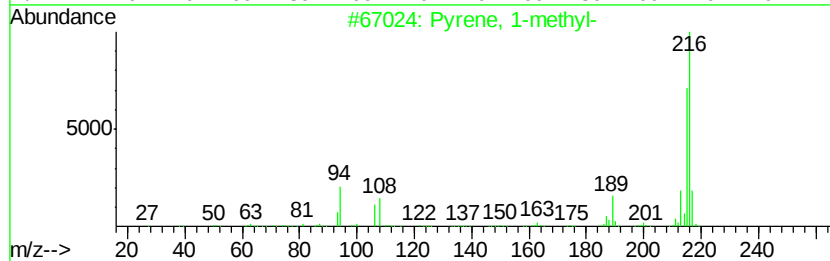
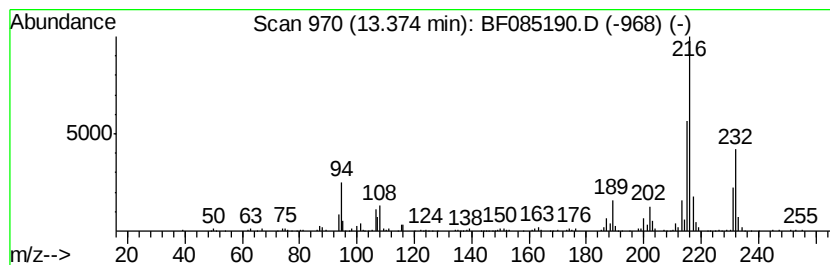
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.69 ng	223563	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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Sample : H1649-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

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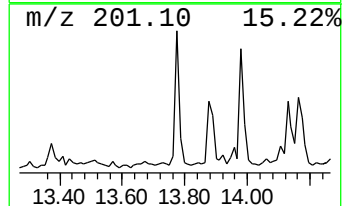
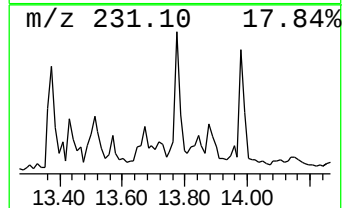
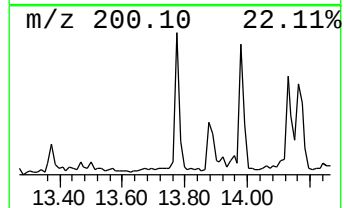
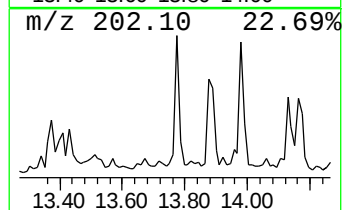
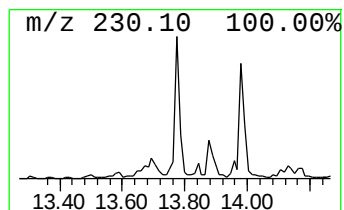
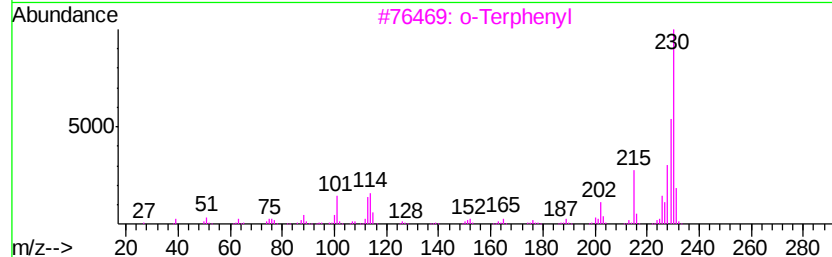
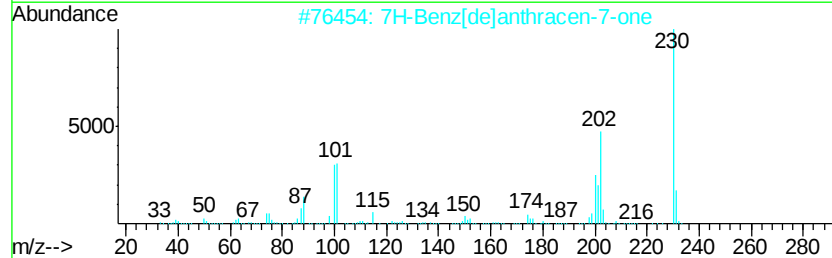
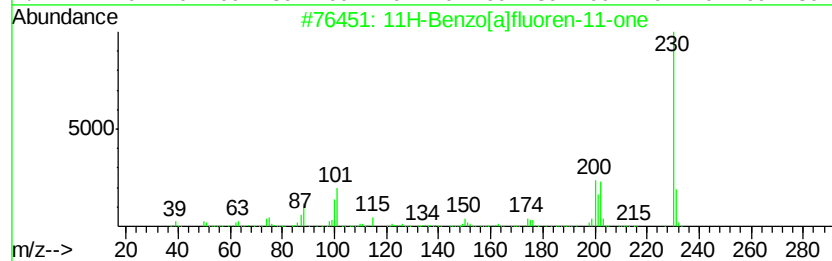
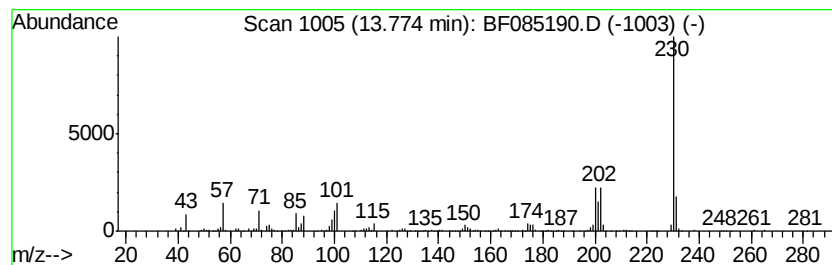
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.62 ng	301271	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	99
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3		o-Terphenyl	230	C18H14	000084-15-1	59
4		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	56
5		Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
Acq On : 4 Mar 2016 7:00
Operator : SJ/UM
Sample : H1649-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

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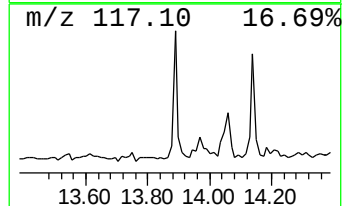
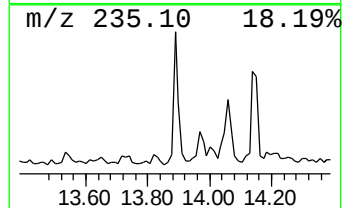
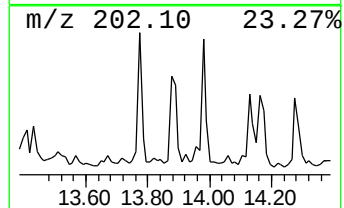
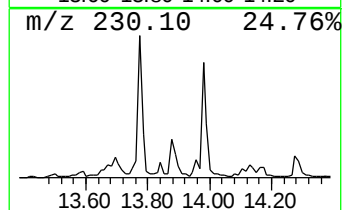
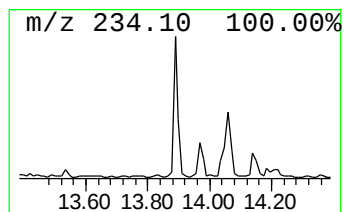
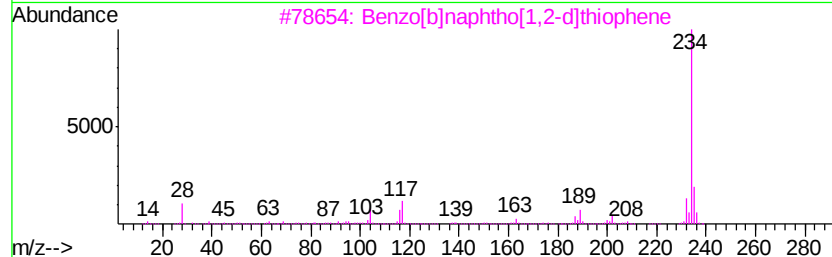
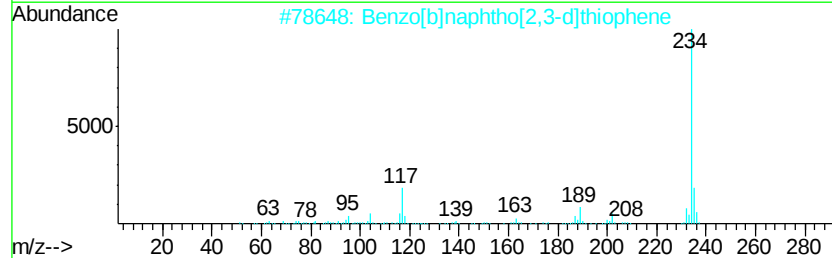
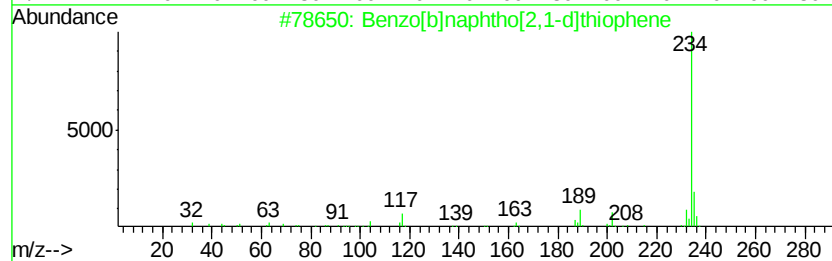
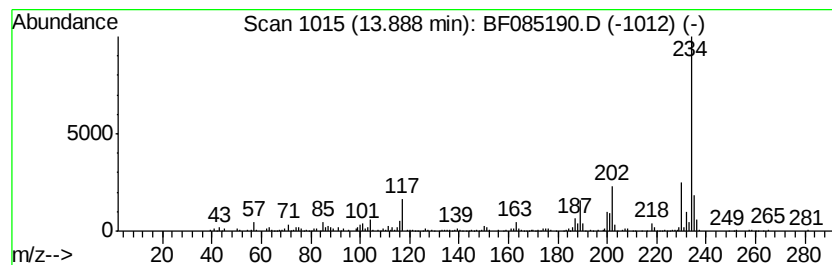
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.96 ng	328884	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
4		6-Nitro-2-carbethoxyindole	234	C11H10N2O4	016792-45-3	46
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
Acq On : 4 Mar 2016 7:00
Operator : SJ/UM
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Misc :
ALS Vial : 34 Sample Multiplier: 1

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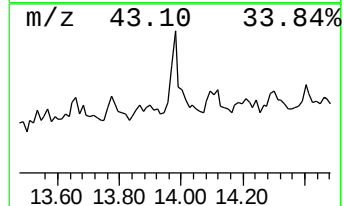
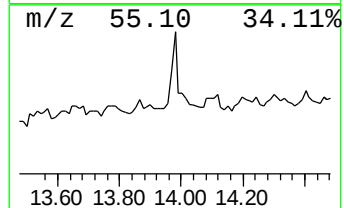
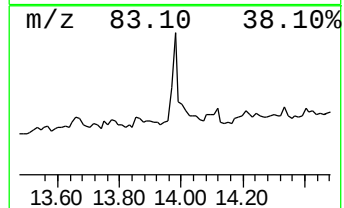
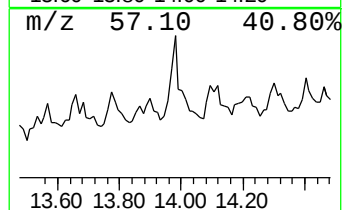
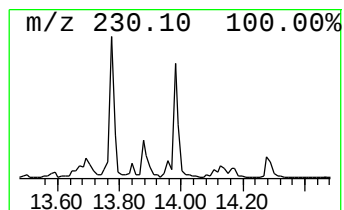
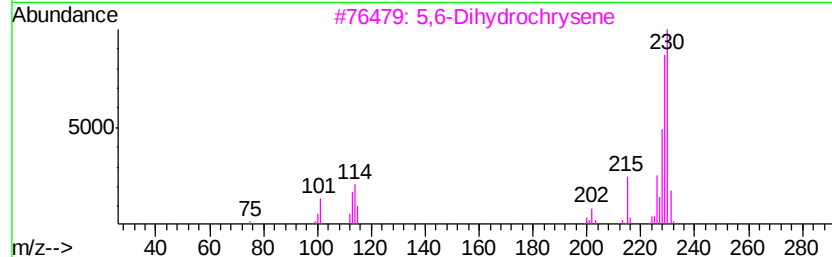
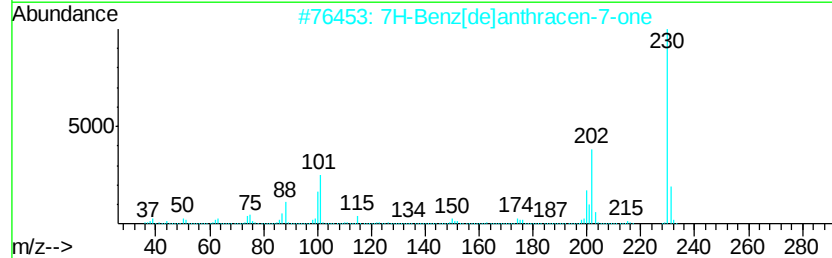
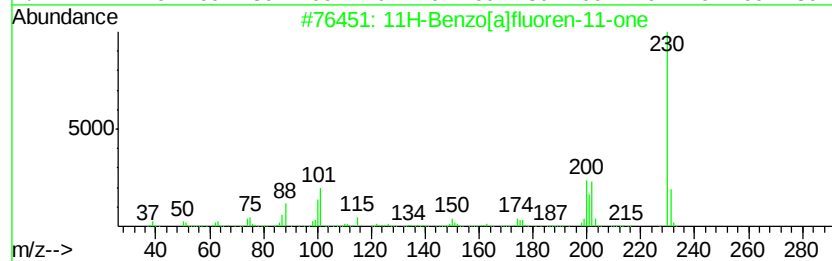
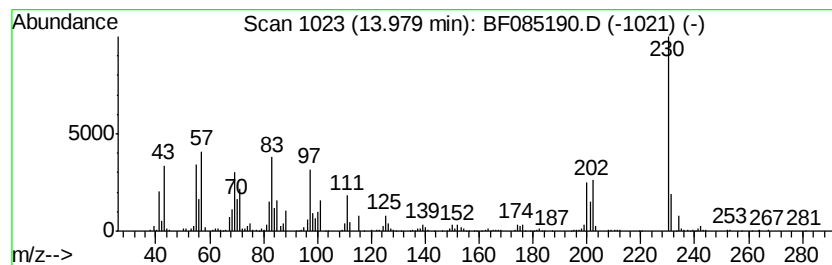
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	7.00 ng	581999	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
3		5,6-Dihydrochrysene	230	C18H14	002091-92-1	43
4		o-Terphenyl	230	C18H14	000084-15-1	38
5		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085190.D
Acq On : 4 Mar 2016 7:00
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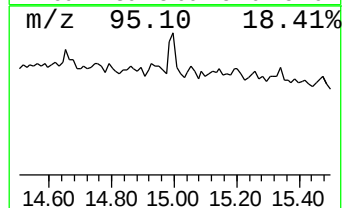
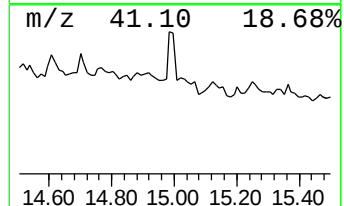
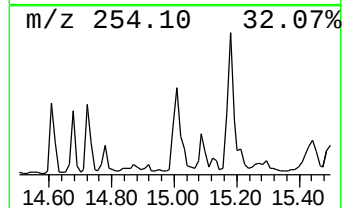
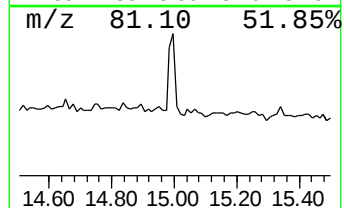
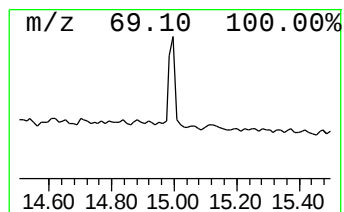
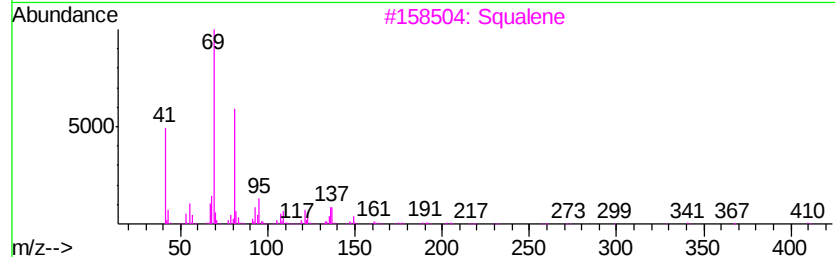
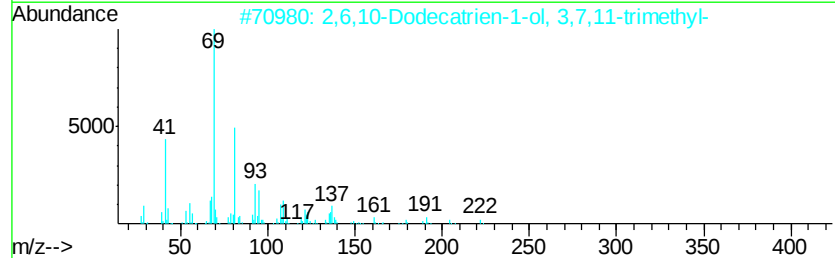
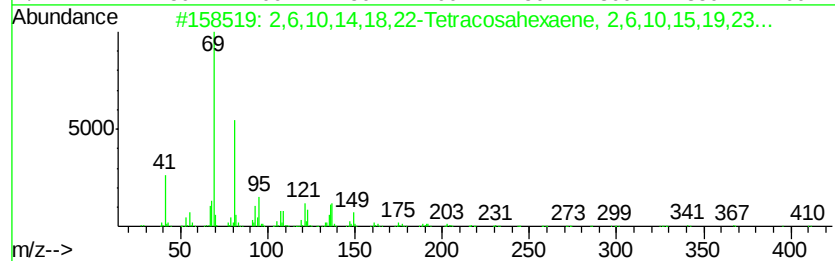
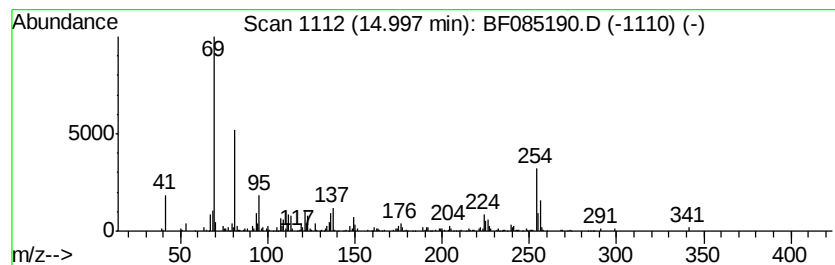
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 2,6,10,14,18,22-Tetracosahexaene... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.00	6.14 ng	310386	Perylene-d12	15.61	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	70
2	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	70
3	Squalene	410	C30H50	007683-64-9	62
4	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	58
5	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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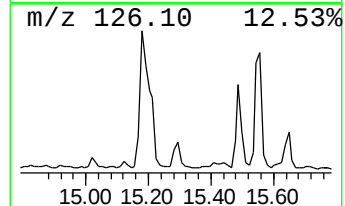
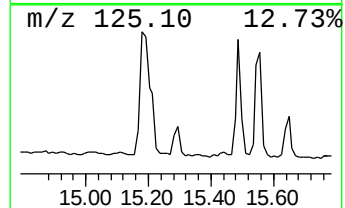
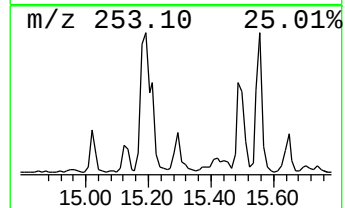
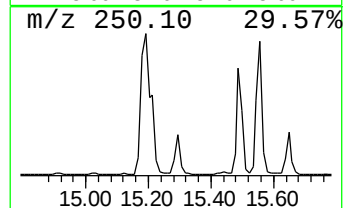
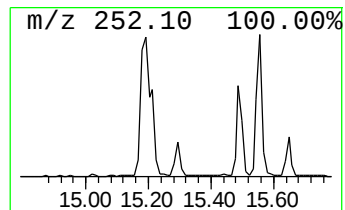
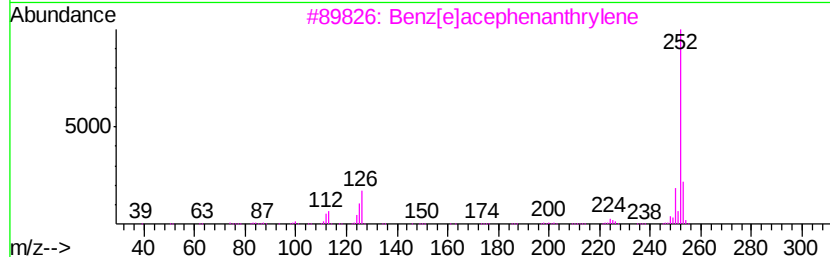
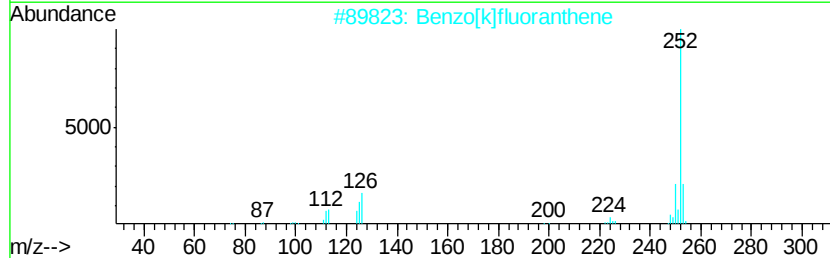
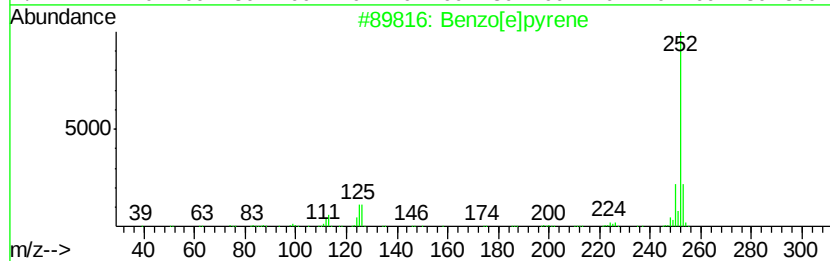
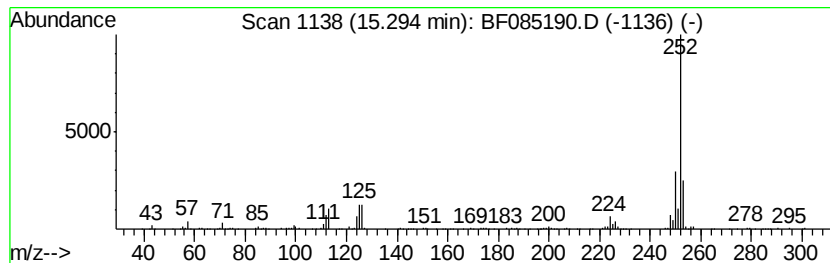
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.46 ng	174879	Perylene-d12	15.61
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252 C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	93
4	Benzo[a]pyrene	252 C20H12	000050-32-8	91
5	Perylene	252 C20H12	000198-55-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085190.D
 Acq On : 4 Mar 2016 7:00
 Operator : SJ/UM
 Sample : H1649-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BTWC-1-20160301

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.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...	5.19	27.4	ng	1221330	1	6.98	891477	20.0
unknown6.74	6.74	90.0	ng	4009330	1	6.98	891477	20.0
Naphthalene, 2,6-...	9.67	2.7	ng	163842	3	10.02	1198990	20.0
Hexadecane	10.45	4.6	ng	274451	3	10.02	1198990	20.0
Diphenylmethane	10.65	4.5	ng	270549	3	10.02	1198990	20.0
Tridecane, 1-iodo-	10.92	3.0	ng	300791	4	11.51	2030850	20.0
Phenanthrene, 1-m...	12.04	7.7	ng	786379	4	11.51	2030850	20.0
4H-Cyclopenta[def...	12.12	6.1	ng	616654	4	11.51	2030850	20.0
9,10-Anthracenedione	12.32	3.6	ng	363854	4	11.51	2030850	20.0
Pyrene, 2-methyl-	13.17	3.6	ng	299433	5	14.14	1662900	20.0
11H-Benzo[b]fluorene	13.27	4.0	ng	335554	5	14.14	1662900	20.0
Pyrene, 1-methyl-	13.37	2.7	ng	223563	5	14.14	1662900	20.0
11H-Benzo[a]fluor...	13.77	3.6	ng	301271	5	14.14	1662900	20.0
Benzo[b]naphtho[2...	13.89	4.0	ng	328884	5	14.14	1662900	20.0
11H-Benzo[a]fluor...	13.98	7.0	ng	581999	5	14.14	1662900	20.0
2,6,10,14,18,22-T...	15.00	6.1	ng	310386	6	15.61	1010390	20.0
Benzo[e]pyrene	15.29	3.5	ng	174879	6	15.61	1010390	20.0