

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085691.D
 Acq On : 23 Mar 2016 7:24
 Operator : UM/SJ
 Sample : H1857-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)

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-BF031816.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.493	190	193	196	rBV	1330666	1670615	14.78%	1.092%
2	5.018	236	239	248	rBV	301657	431070	3.81%	0.282%
3	5.430	273	275	278	rBV	2339750	2827403	25.02%	1.848%
4	6.470	363	366	368	rBV	2617434	2969913	26.28%	1.941%
5	6.596	374	377	380	rBV	2470205	3053047	27.02%	1.996%
6	6.836	395	398	401	rVB	609055	840577	7.44%	0.549%
7	6.984	409	411	414	rVV	2174577	2315911	20.49%	1.514%
8	7.396	444	447	449	rVV	1857784	2043018	18.08%	1.336%
9	8.139	507	512	514	rVV2	2287390	3158873	27.95%	2.065%
10	8.687	558	560	563	rVV	420102	444209	3.93%	0.290%
11	8.825	570	572	574	rVV	948620	1305848	11.56%	0.854%
12	8.927	579	581	583	rVV	1218602	1067354	9.44%	0.698%
13	9.190	602	604	607	rVB	2691262	3075890	27.22%	2.011%
14	9.293	607	613	616	rBV	571948	819613	7.25%	0.536%
15	9.385	620	621	624	rVB	391035	407132	3.60%	0.266%
16	9.453	624	627	629	rBV	548217	816278	7.22%	0.534%
17	9.533	631	634	635	rVV	774783	1006570	8.91%	0.658%
18	9.590	637	639	641	rVV	718745	675062	5.97%	0.441%
19	9.648	641	644	646	rVB2	508936	646652	5.72%	0.423%
20	9.728	649	651	653	rVB	421095	367391	3.25%	0.240%
21	9.865	659	663	665	rBV2	852878	1624251	14.37%	1.062%
22	9.910	665	667	668	rVB	2972588	3381015	29.92%	2.210%
23	9.968	671	672	675	rBV	237683	363401	3.22%	0.238%
24	10.025	675	677	679	rBV	641143	734907	6.50%	0.480%
25	10.070	679	681	683	rVB	1538246	2148427	19.01%	1.404%
26	10.116	683	685	689	rVB	233842	380720	3.37%	0.249%
27	10.276	697	699	703	rBV2	358288	698450	6.18%	0.457%
28	10.425	709	712	714	rVB	2880567	3492842	30.91%	2.283%
29	10.482	714	717	718	rBV	698507	1203224	10.65%	0.787%
30	10.505	718	719	720	rVV	883044	641915	5.68%	0.420%
31	10.550	720	723	724	rVV3	437114	722749	6.40%	0.472%
32	10.573	724	725	727	rVB	1113664	887147	7.85%	0.580%
33	10.665	730	733	735	rBV	2276738	2664022	23.57%	1.742%
34	10.779	738	743	746	rVB3	398335	692377	6.13%	0.453%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.962	755	759	760	rBV2	841270	1257012	11.12%	0.822%
36	11.042	765	766	768	rVB	369218	361442	3.20%	0.236%
37	11.111	768	772	775	rBV3	486886	1317204	11.66%	0.861%
38	11.213	778	781	783	rBV2	638301	1126293	9.97%	0.736%
39	11.248	783	784	788	rVB	1306056	1435998	12.71%	0.939%
40	11.396	791	797	799	rBV	5419678	11300919	100.00%	7.388%
41	11.442	799	801	802	rVV	3763423	3614914	31.99%	2.363%
42	11.465	802	803	806	rVB	708577	693407	6.14%	0.453%
43	11.591	810	814	816	rBV2	1902499	2512650	22.23%	1.643%
44	11.648	818	819	821	rBV2	406815	390157	3.45%	0.255%
45	11.853	834	837	839	rBV	1341208	2039769	18.05%	1.333%
46	11.888	839	840	842	rVB	2496119	1913231	16.93%	1.251%
47	11.933	842	844	846	rBV	1318744	1307987	11.57%	0.855%
48	11.979	846	848	851	rVB2	2058340	3848928	34.06%	2.516%
49	12.036	851	853	854	rBV	339096	349185	3.09%	0.228%
50	12.151	861	863	864	rVV	1376635	1405361	12.44%	0.919%
51	12.173	864	865	867	rVV	367138	590446	5.22%	0.386%
52	12.219	867	869	872	rVV2	289777	772340	6.83%	0.505%
53	12.299	874	876	878	rVV2	569782	967927	8.57%	0.633%
54	12.333	878	879	880	rVV	495275	486519	4.31%	0.318%
55	12.402	883	885	887	rVV	743703	1366292	12.09%	0.893%
56	12.448	887	889	892	rVV2	766213	1432287	12.67%	0.936%
57	12.505	892	894	896	rVV2	418015	791449	7.00%	0.517%
58	12.585	898	901	904	rVV	4642933	7038119	62.28%	4.601%
59	12.631	904	905	907	rVV	425603	443379	3.92%	0.290%
60	12.722	909	913	914	rVV2	419369	726073	6.42%	0.475%
61	12.814	917	921	923	rVV2	4619317	8542329	75.59%	5.584%
62	12.848	923	924	927	rVB2	611664	531913	4.71%	0.348%
63	12.939	927	932	935	rVB3	2310390	3423874	30.30%	2.238%
64	13.019	935	939	942	rBV3	646872	1393273	12.33%	0.911%
65	13.122	944	948	950	rVB	1407440	2261671	20.01%	1.478%
66	13.191	952	954	955	rVV	1551983	1446802	12.80%	0.946%
67	13.225	955	957	961	rVV2	1022675	1680349	14.87%	1.098%
68	13.316	963	965	966	rVV	479422	480615	4.25%	0.314%
69	13.351	966	968	972	rVB2	508860	638844	5.65%	0.418%
70	13.522	980	983	984	rBV3	270985	573205	5.07%	0.375%
71	13.636	991	993	995	rVV2	293258	455904	4.03%	0.298%

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72	13.739	999	1002	1003	rVV	556043	721955	6.39%	0.472%
73	13.762	1003	1004	1006	rVV	640262	971440	8.60%	0.635%
74	13.831	1009	1010	1014	rVB3	472823	708893	6.27%	0.463%
75	13.911	1014	1017	1020	rBV	166992	397139	3.51%	0.260%
76	13.991	1020	1024	1025	rBV	2994692	4993758	44.19%	3.264%
77	14.025	1025	1027	1029	rVV	3003595	3227739	28.56%	2.110%
78	14.094	1031	1033	1036	rVV	528836	688031	6.09%	0.450%
79	14.185	1036	1041	1042	rVV2	235538	579667	5.13%	0.379%
80	14.219	1042	1044	1045	rVB2	390315	433921	3.84%	0.284%
81	14.379	1055	1058	1059	rVV	712581	1022202	9.05%	0.668%
82	14.402	1059	1060	1062	rVV	296447	401334	3.55%	0.262%
83	14.471	1062	1066	1067	rVV3	466861	773161	6.84%	0.505%
84	14.517	1067	1070	1072	rVV3	444163	902492	7.99%	0.590%
85	14.562	1072	1074	1078	rVB3	220273	475949	4.21%	0.311%
86	14.677	1082	1084	1089	rBV5	256620	595001	5.27%	0.389%
87	15.019	1110	1114	1118	rBV	1892447	4416820	39.08%	2.887%
88	15.111	1120	1122	1124	rVB	603856	575698	5.09%	0.376%
89	15.214	1127	1131	1132	rBV2	182336	451405	3.99%	0.295%
90	15.294	1136	1138	1141	rVV	1003414	1637419	14.49%	1.070%
91	15.362	1141	1144	1146	rVB	1925443	2396439	21.21%	1.567%
92	15.419	1146	1149	1150	rBV	438013	709747	6.28%	0.464%
93	15.442	1150	1151	1154	rVB2	569155	696951	6.17%	0.456%
94	15.614	1160	1166	1170	rBV2	184264	623884	5.52%	0.408%
95	16.802	1266	1270	1274	rVV	699190	1318633	11.67%	0.862%
96	16.963	1280	1284	1286	rBV	201814	401753	3.56%	0.263%
97	17.225	1302	1307	1312	rBV	466467	1042374	9.22%	0.681%
98	17.443	1322	1326	1334	rVB2	192641	495879	4.39%	0.324%
99	19.340	1486	1492	1500	rVB	124658	469625	4.16%	0.307%
100	19.511	1500	1507	1510	rBV	93621	347018	3.07%	0.227%

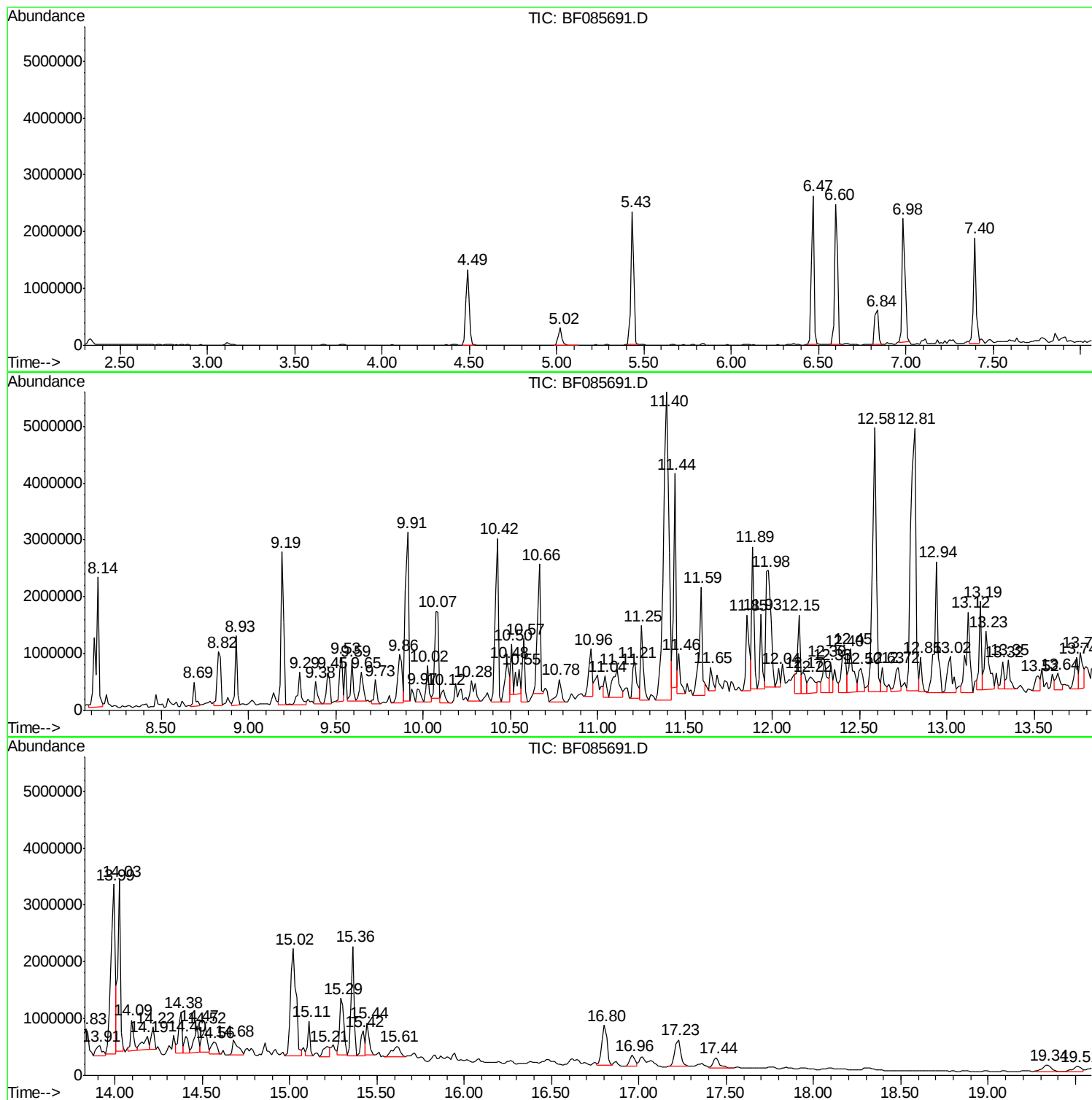
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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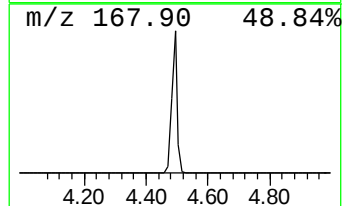
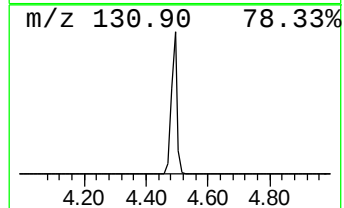
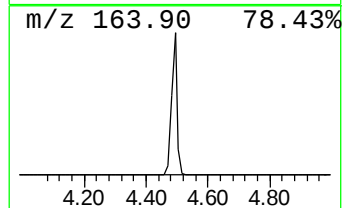
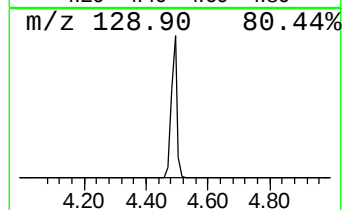
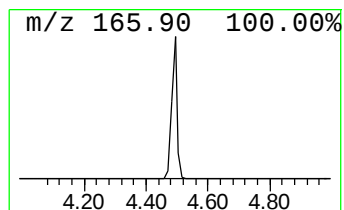
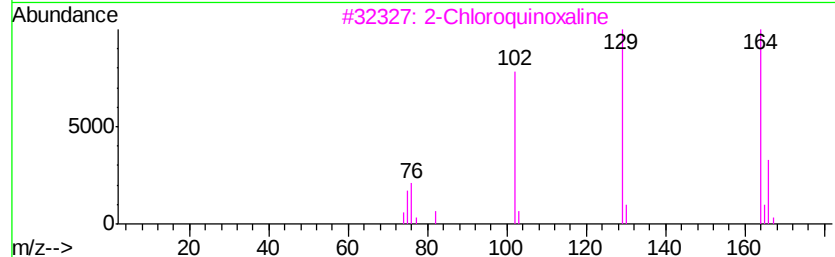
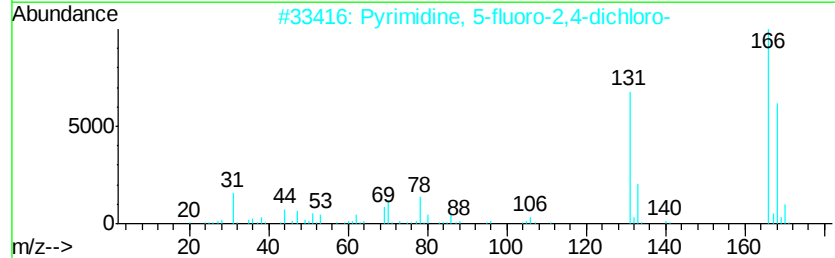
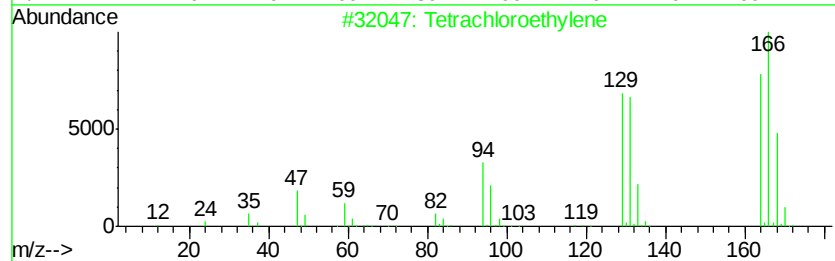
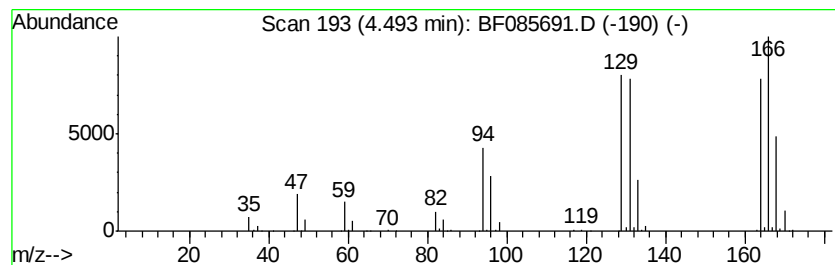
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tetrachloroethylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	39.75 ng	1670620	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetrachloroethylene	164	C2Cl4	000127-18-4	99
2		Pyrimidine, 5-fluoro-2,4-dichloro-	166	C4HCl2FN2	002927-71-1	25
3		2-Chloroquinoxaline	164	C8H5ClN2	001448-87-9	12
4		1,3-Dichloro-2-fluorobenzene	164	C6H3Cl2F	002268-05-5	9
5		Propene, 1,2-dichloro-3,3,3-trif...	164	C3HCl2F3	000431-27-6	9



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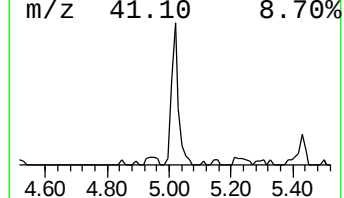
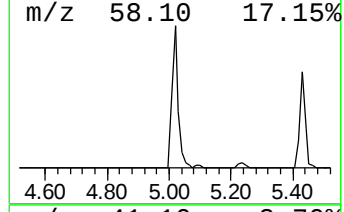
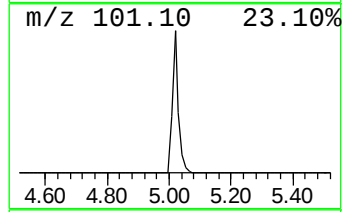
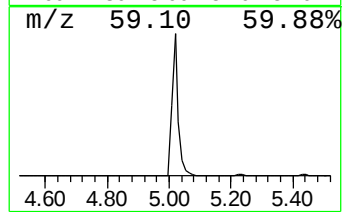
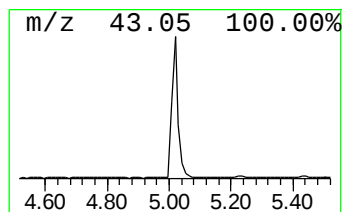
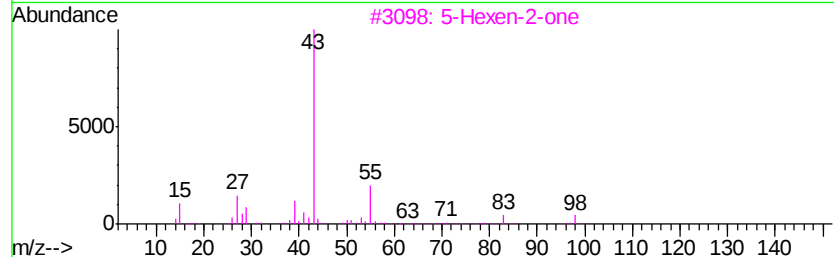
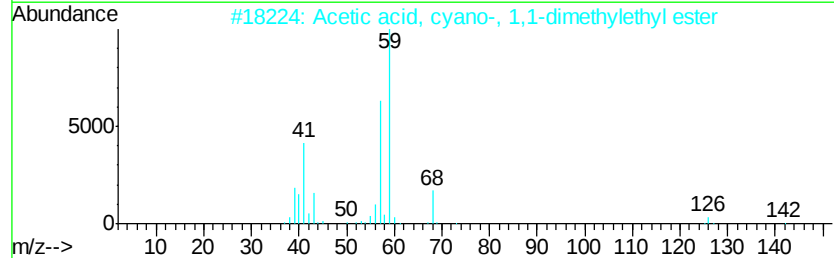
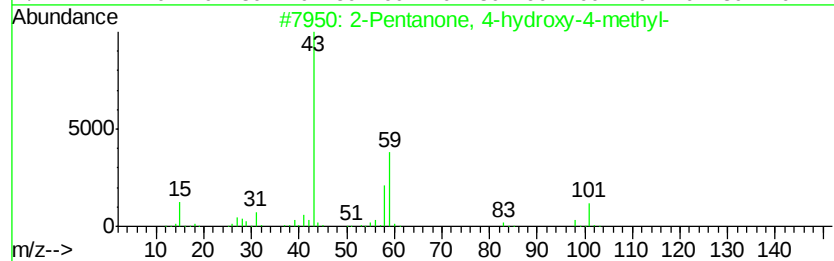
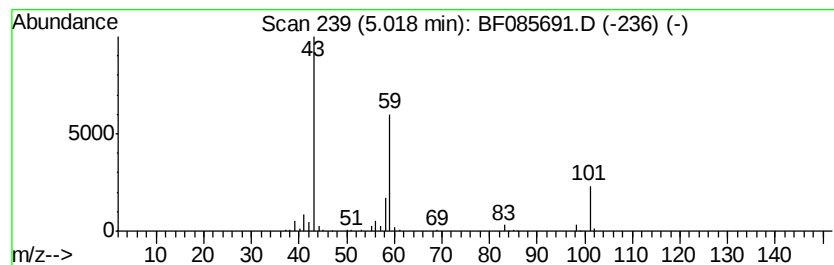
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	10.26 ng	431070	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
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		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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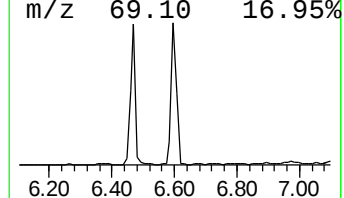
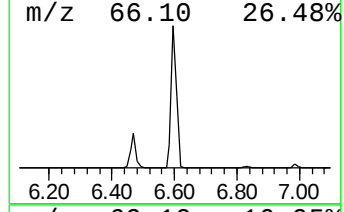
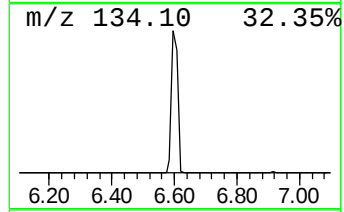
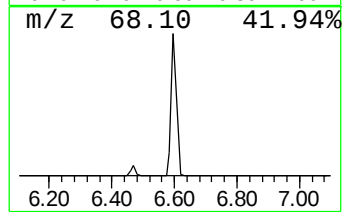
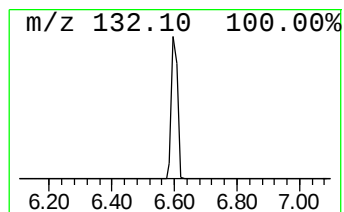
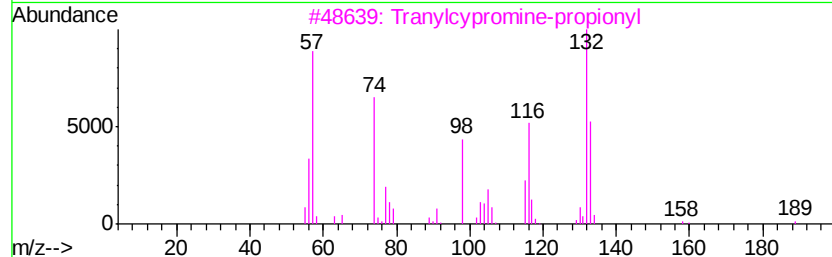
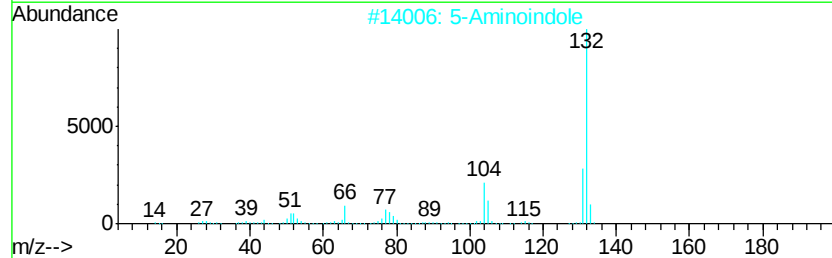
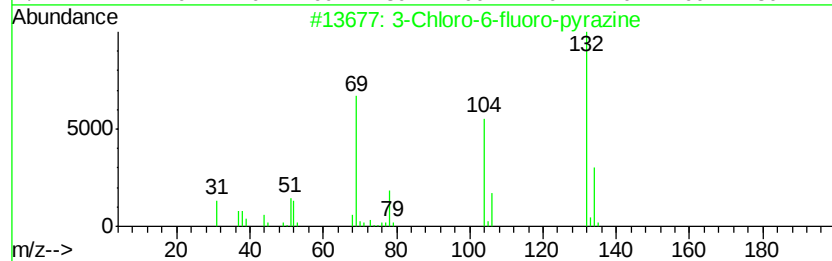
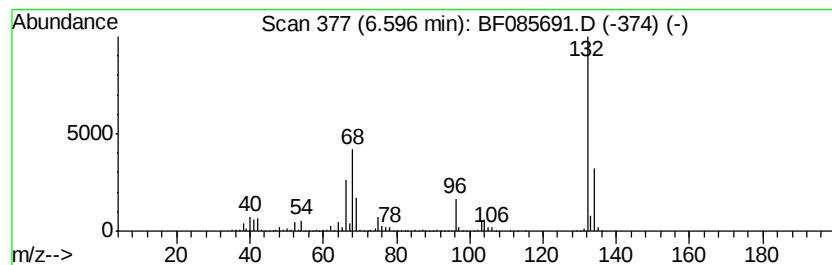
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	72.64 ng	3053050	1,4-Dichlorobenzene-d4	6.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4			4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
Misc :
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Instrument :
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ClientSampleId :
SB-04(3-5)

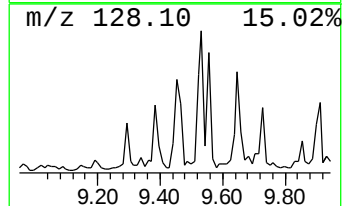
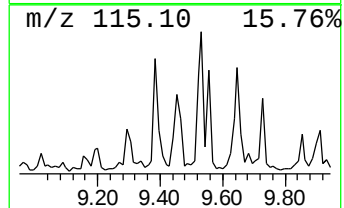
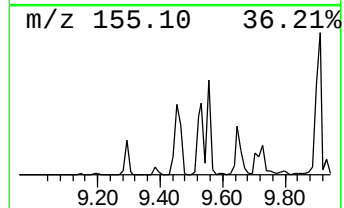
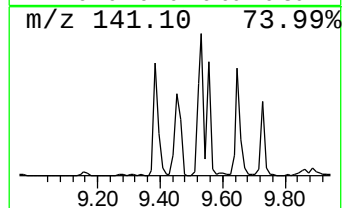
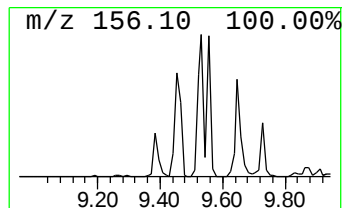
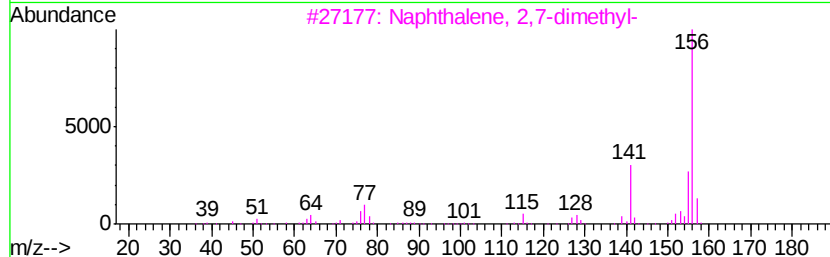
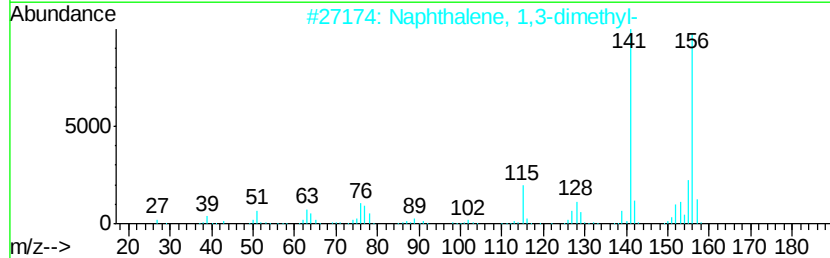
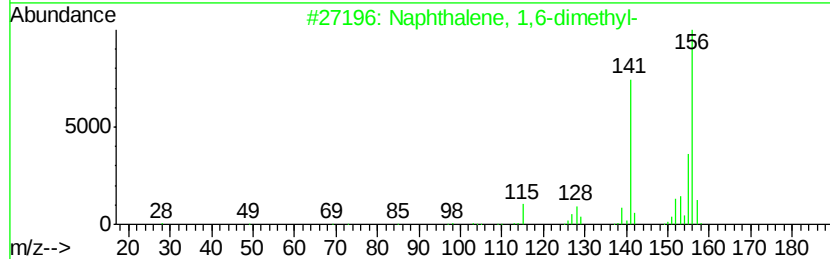
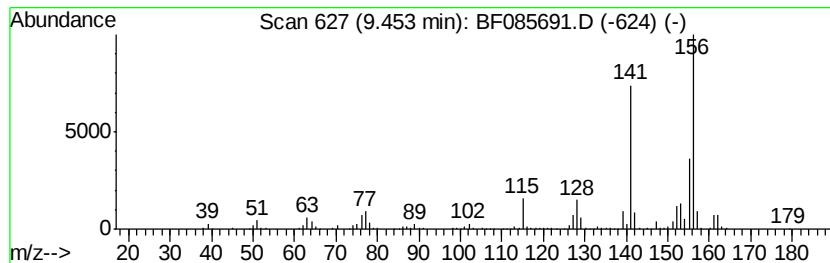
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	10.05 ng	816278	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
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Instrument :
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ClientSampleId :
SB-04(3-5)

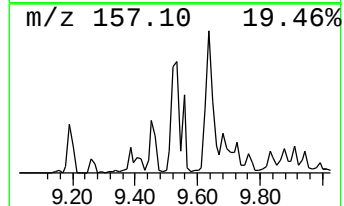
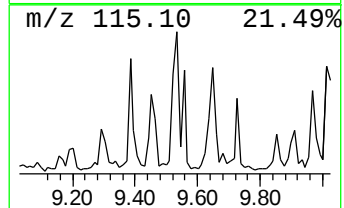
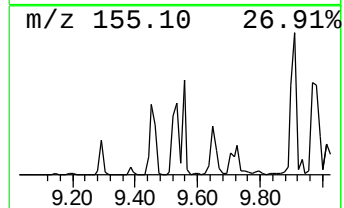
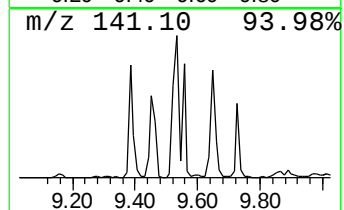
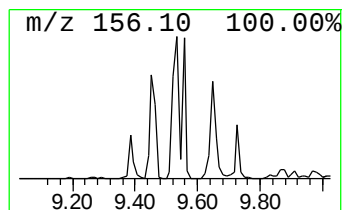
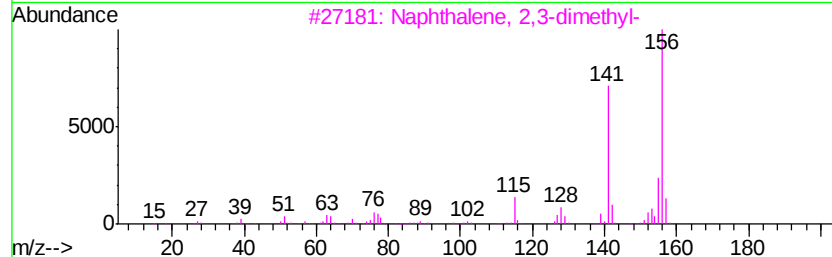
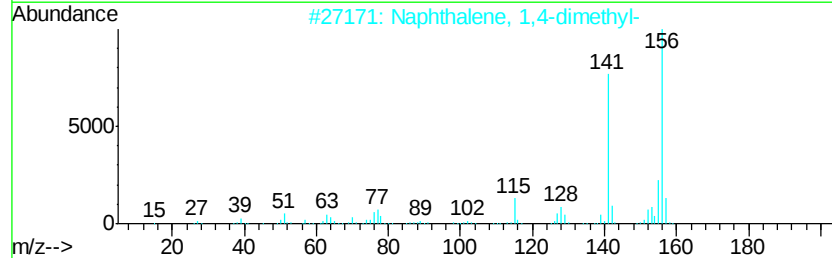
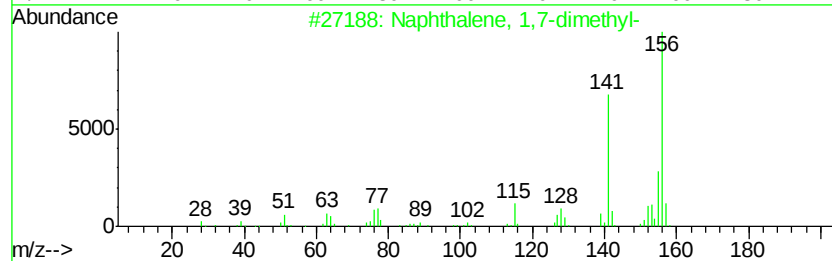
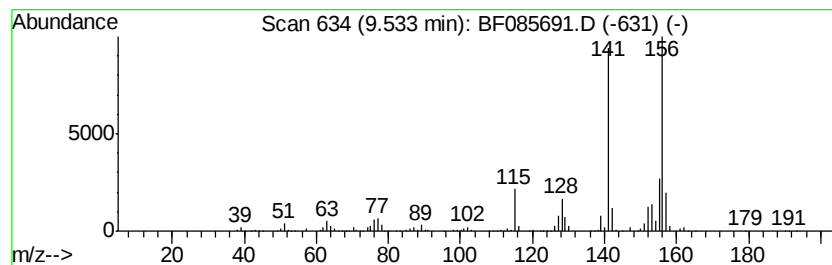
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	12.39 ng	1006570	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-04(3-5)

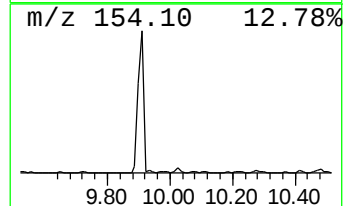
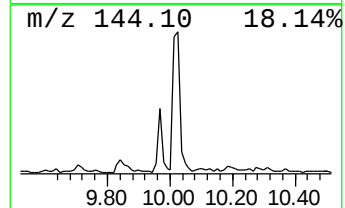
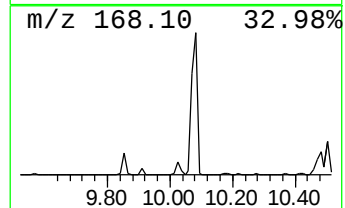
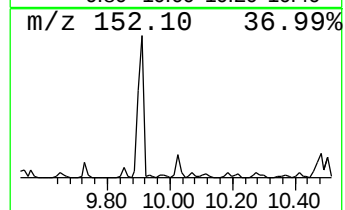
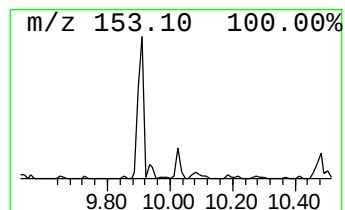
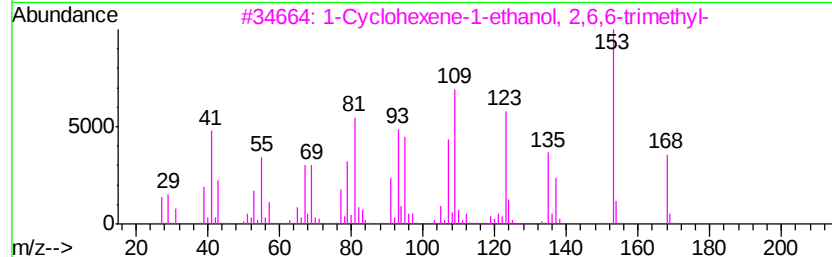
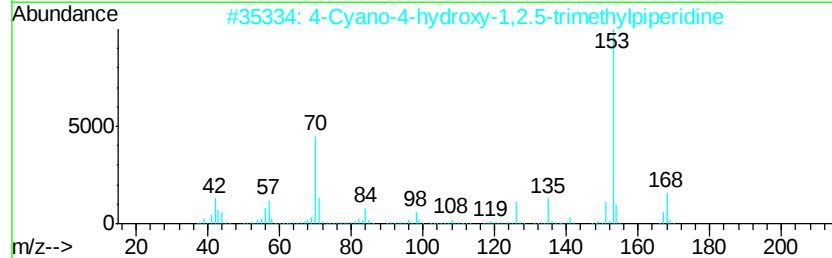
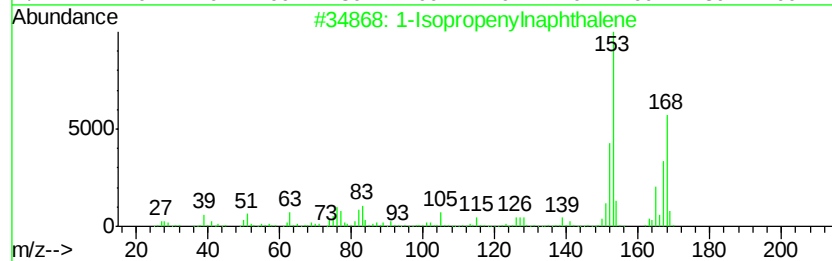
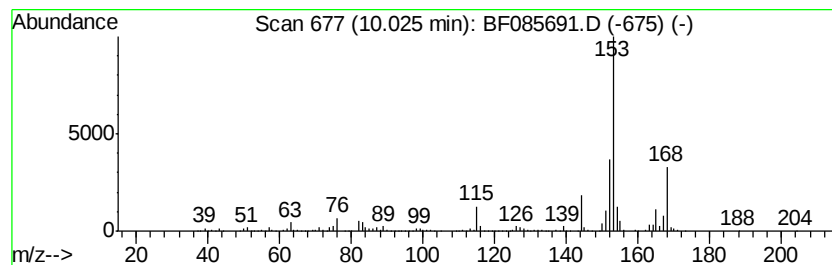
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	9.05 ng	734907	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2		4-Cyano-4-hydroxy-1,2,5-trimethy...	168	C9H16N2O	051871-79-5	53
3		1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	47
4		Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5		2-Fluorobenzothiazole	153	C7H4FNS	001123-98-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
Misc :
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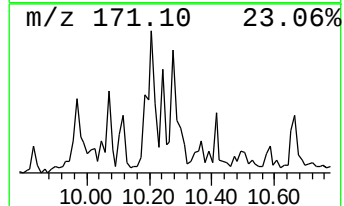
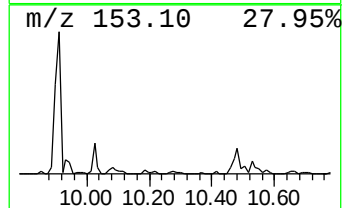
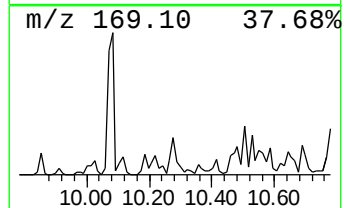
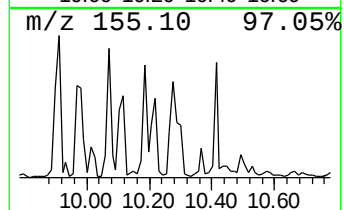
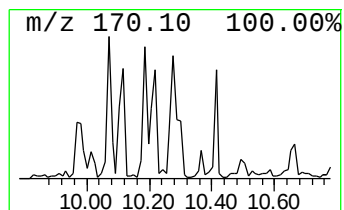
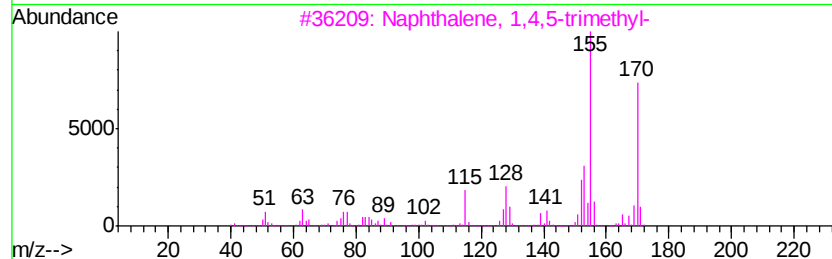
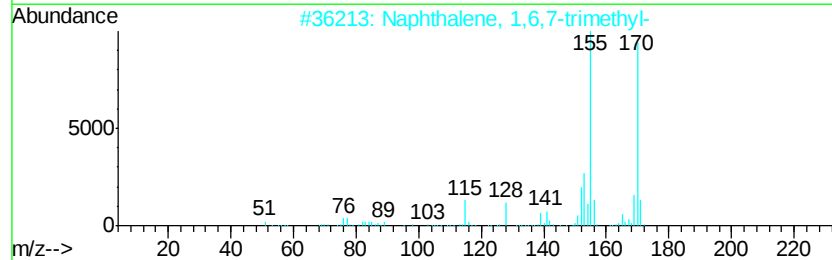
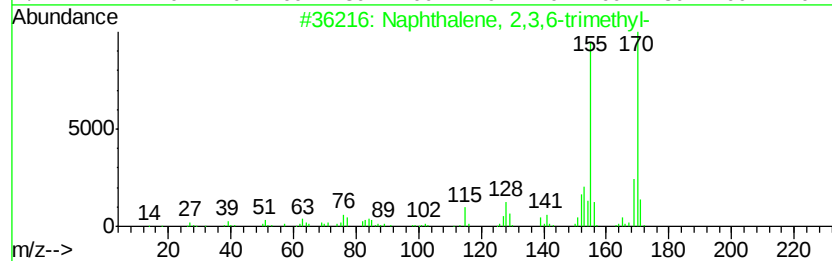
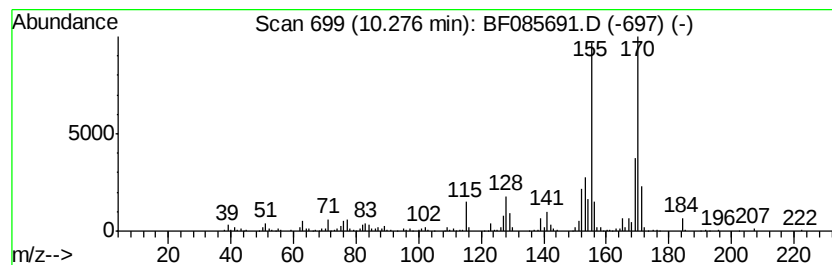
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.28	8.60 ng	698450	Acenaphthene-d10	9.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
4			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91
5			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
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Sample : H1857-03
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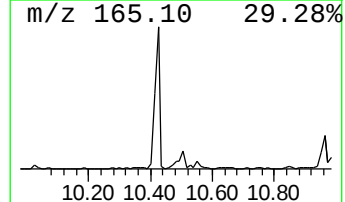
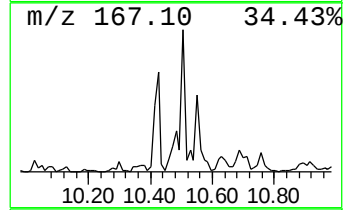
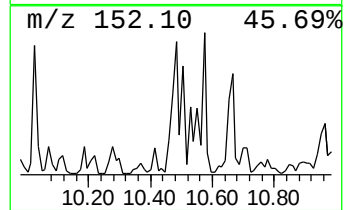
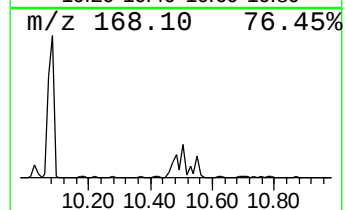
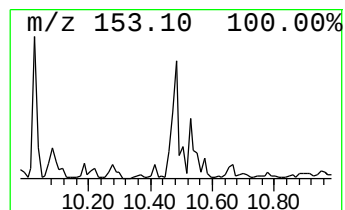
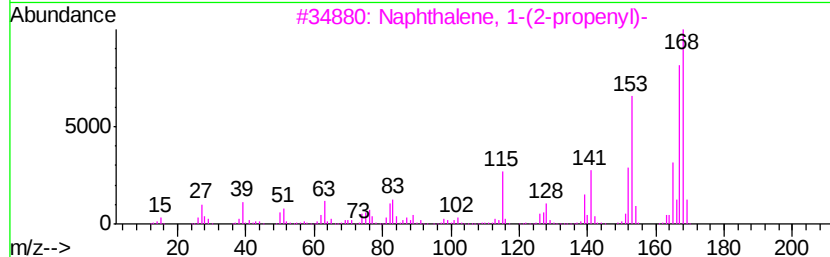
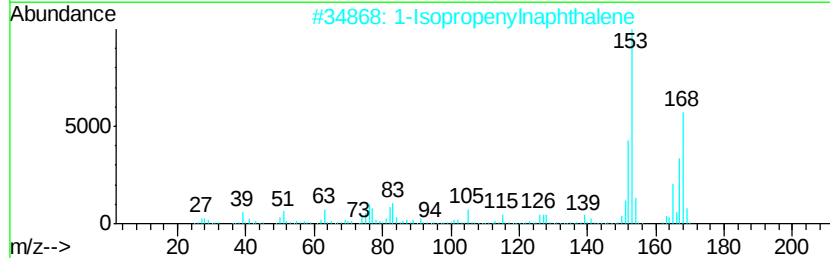
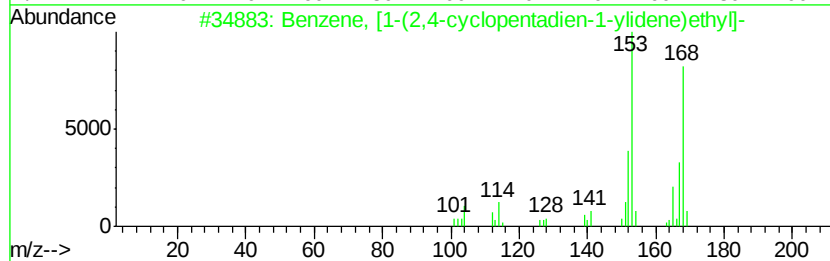
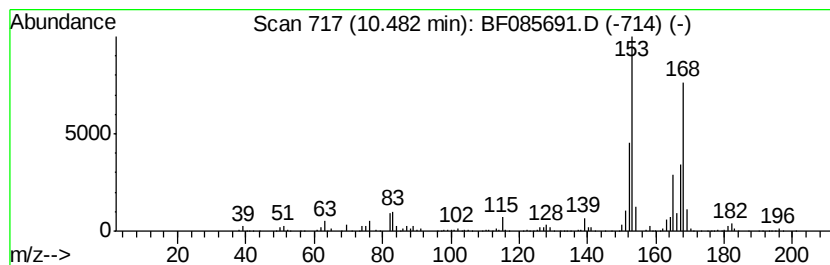
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzene, [1-(2,4-cyclopenta... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	14.82 ng	1203220	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, [1-(2,4-cyclopentadien-...	168 C13H12	002320-32-3 81
2		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 80
3		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 74
4		(1R)-(-)-Thiocamphor	168 C10H16S	053402-10-1 53
5		5-Acetyl-2-methyl-3-thiophenecar...	168 C8H8O2S	090345-55-4 50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
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Sample : H1857-03
Misc :
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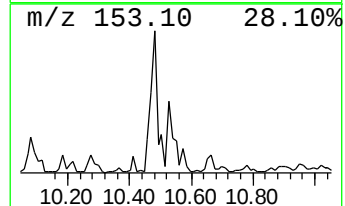
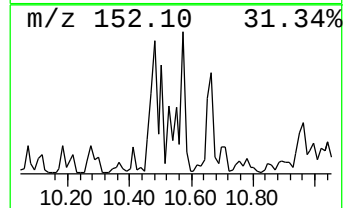
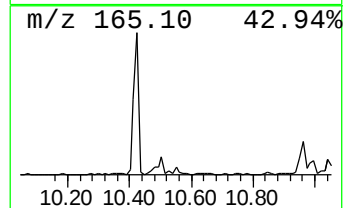
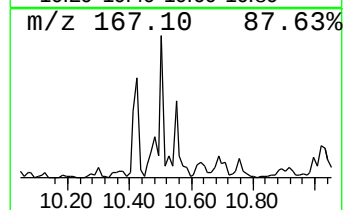
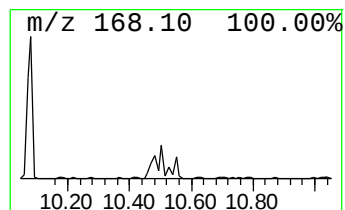
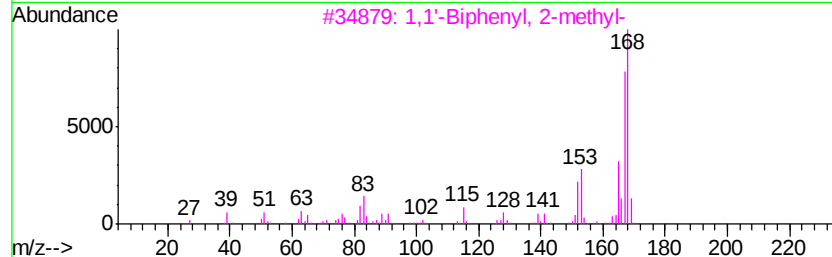
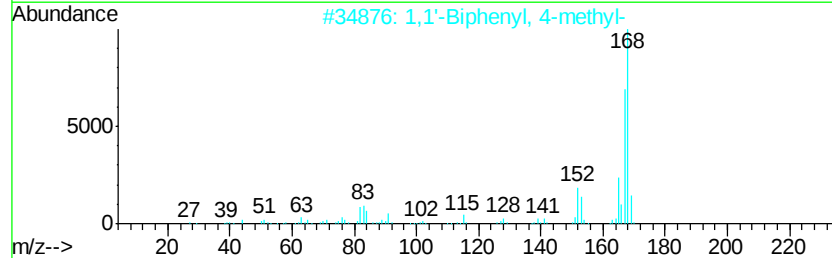
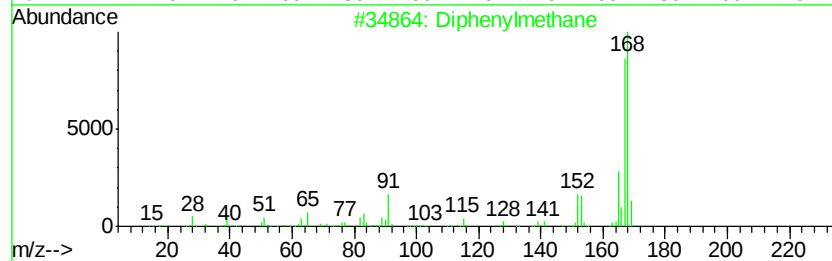
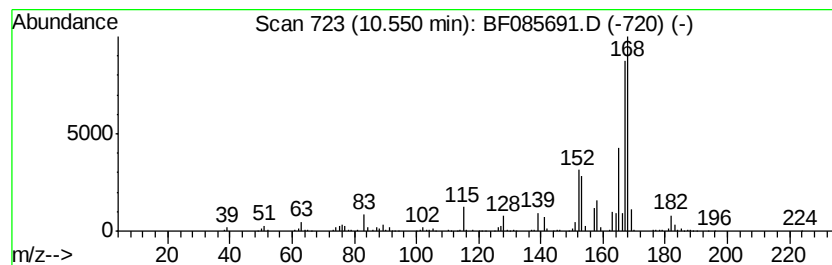
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Diphenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	8.90 ng	722749	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Diphenylmethane	168 C13H12	000101-81-5	89
2	1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6	76
3	1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3	76
4	Fluorene, 1,4-dihydro-	168 C13H12	041593-21-9	52
5	1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
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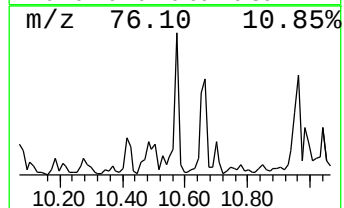
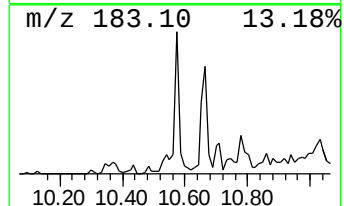
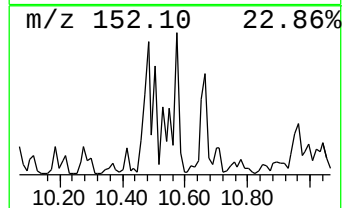
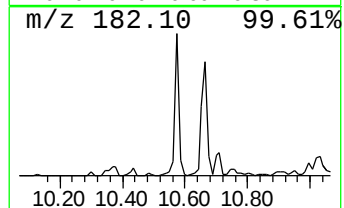
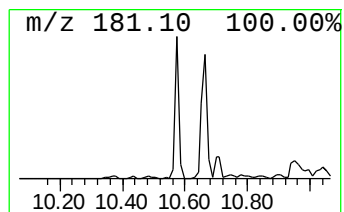
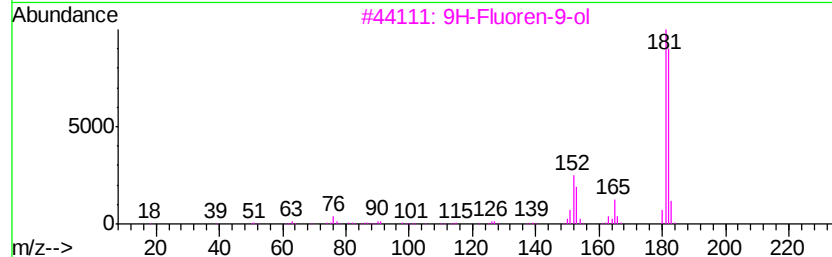
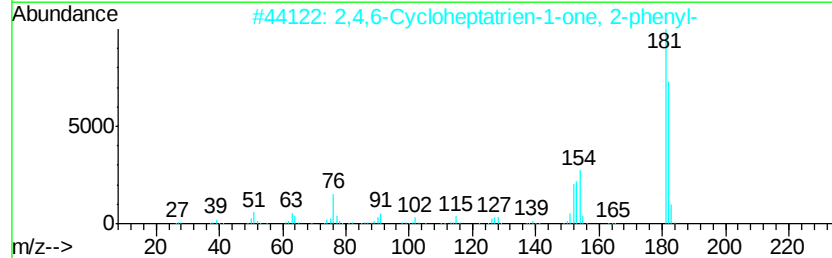
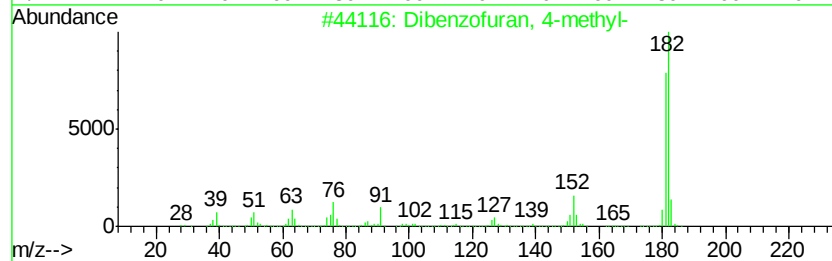
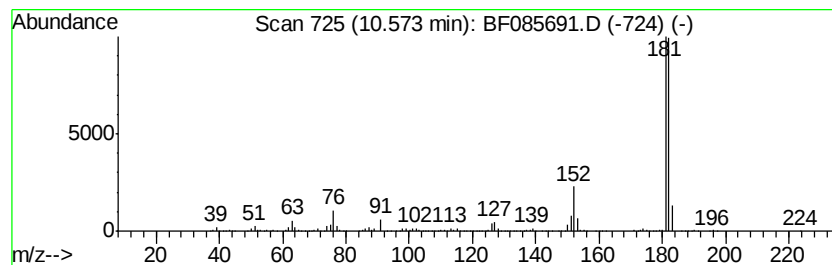
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	10.92 ng	887147	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzofuran, 4-methyl-	182 C13H10O	007320-53-8 90
2		2,4,6-Cycloheptatrien-1-one, 2-p...	182 C13H10O	014562-09-5 86
3		9H-Fluoren-9-ol	182 C13H10O	001689-64-1 78
4		[1,1'-Biphenyl]-4-carboxaldehyde	182 C13H10O	003218-36-8 78
5		Pyrido[2,3-d]indole, 6-methyl-	182 C12H10N2	108349-67-3 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

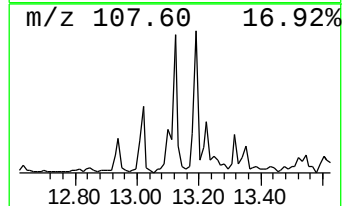
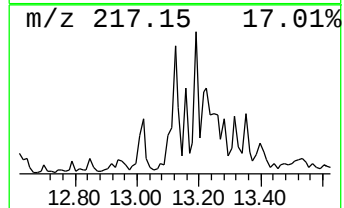
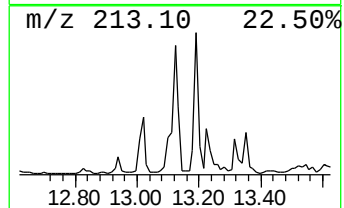
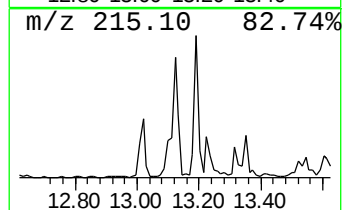
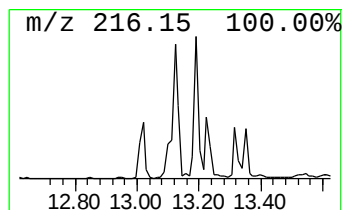
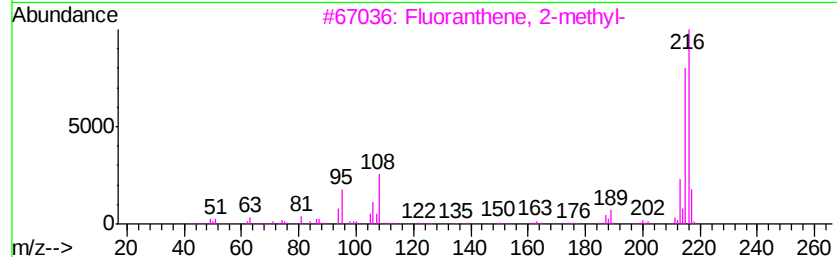
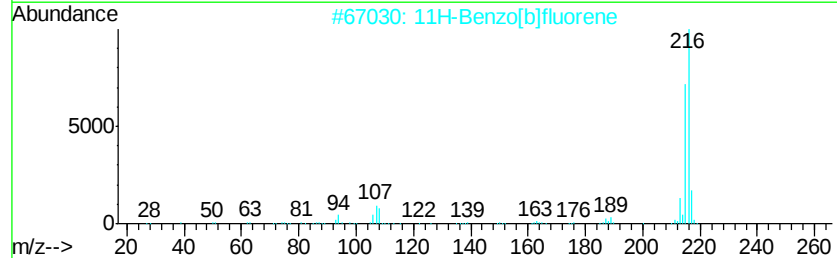
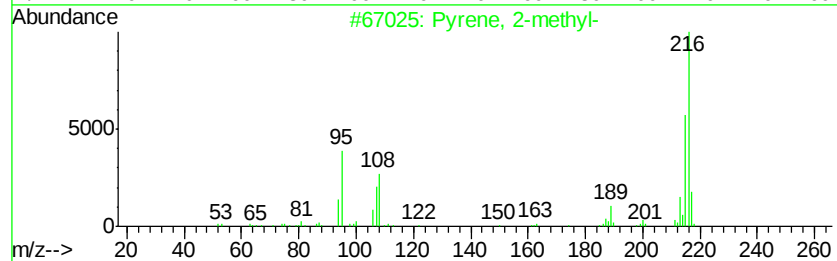
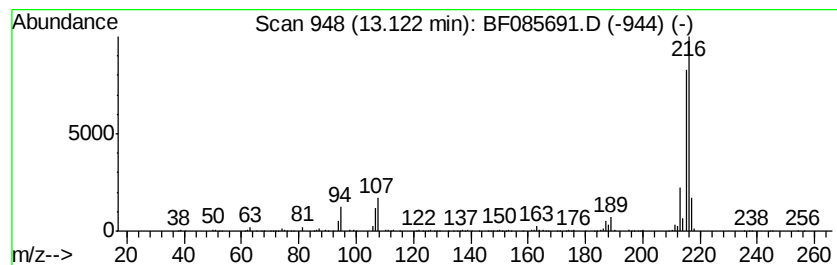
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	9.06 ng	2261670	Chrysene-d12	14.00

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	94
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
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\BF032216\
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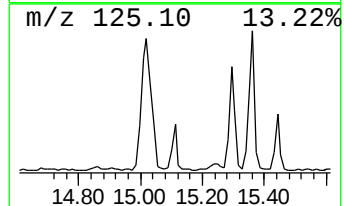
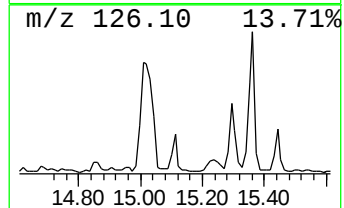
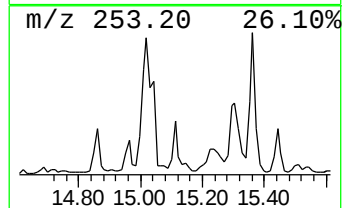
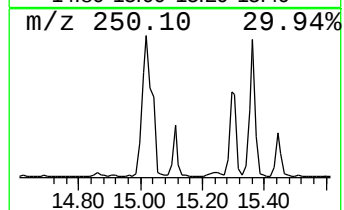
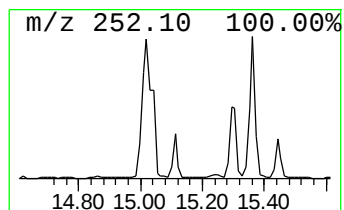
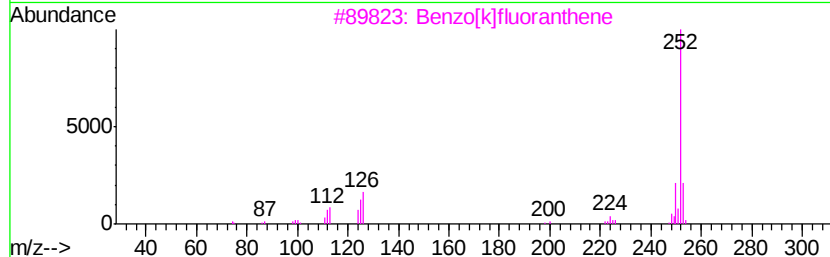
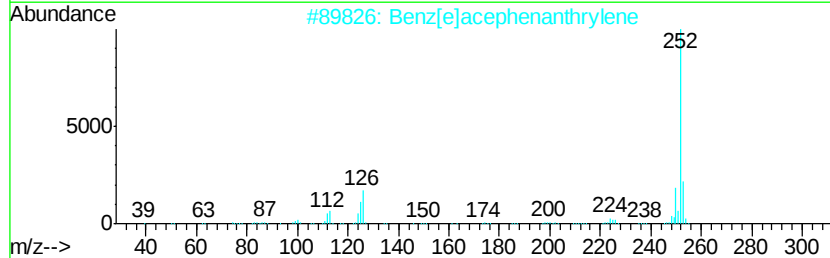
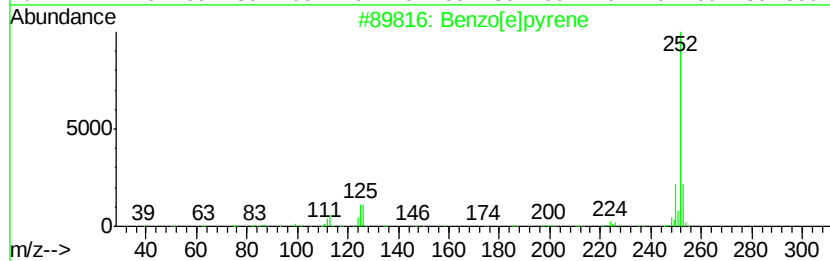
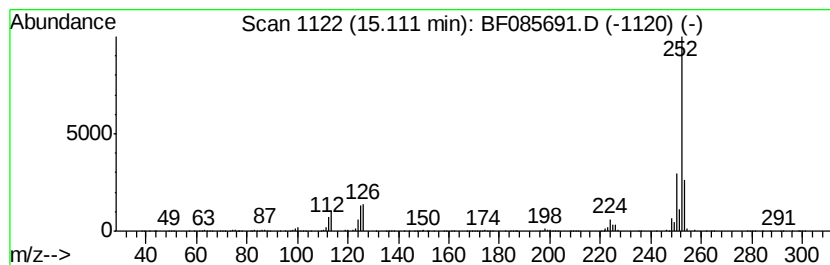
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	16.22 ng	575698	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 96
2		Benz[e]acephenanthrylene	252 C20H12	000205-99-2 93
3		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93
4		Benzo[a]pyrene	252 C20H12	000050-32-8 91
5		Perylene	252 C20H12	000198-55-0 89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
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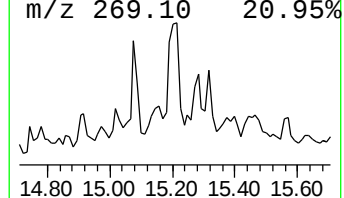
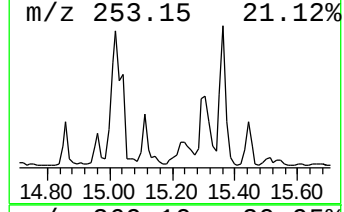
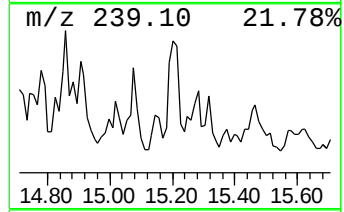
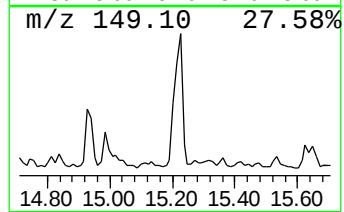
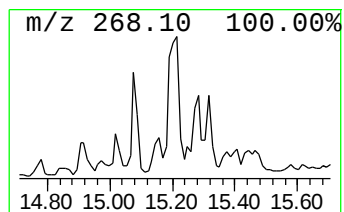
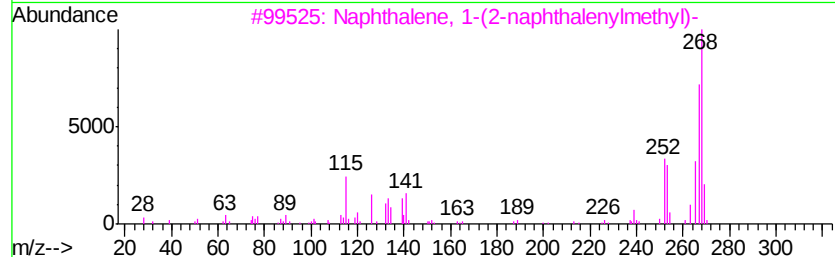
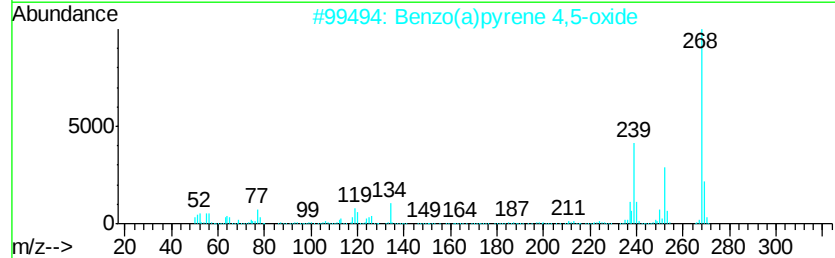
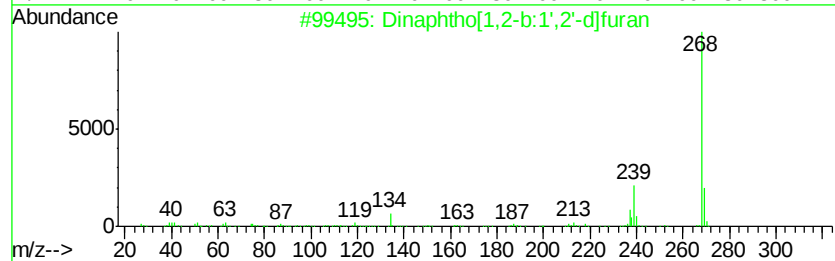
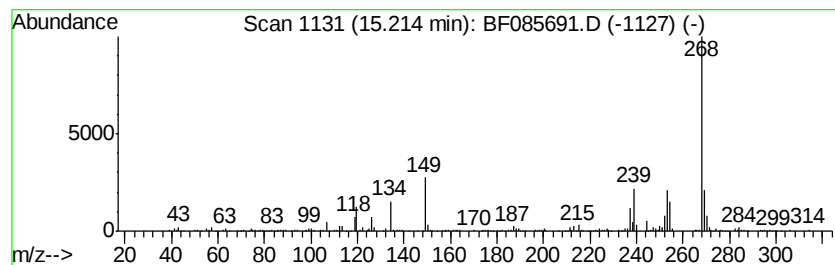
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	12.72 ng	451405	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2 70
2		Benzo(a)pyrene 4,5-oxide	268 C20H12O	037574-47-3 62
3		Naphthalene, 1-(2-naphthalenylme...	268 C21H16	000611-48-3 53
4		trans-4,4'-Dimethoxychalcone	268 C17H16O3	041564-67-4 53
5		3-Methylcholanthrene	268 C21H16	000056-49-5 52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
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ClientSampleId :
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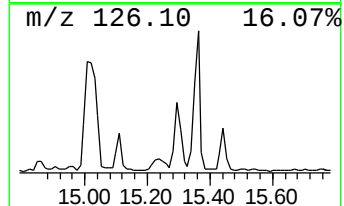
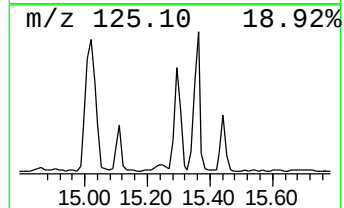
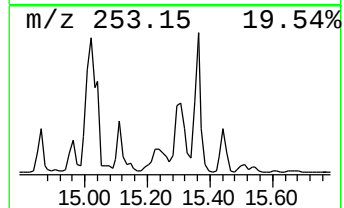
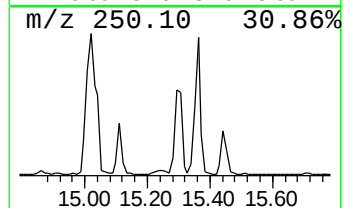
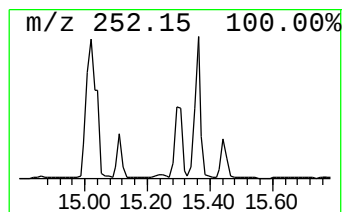
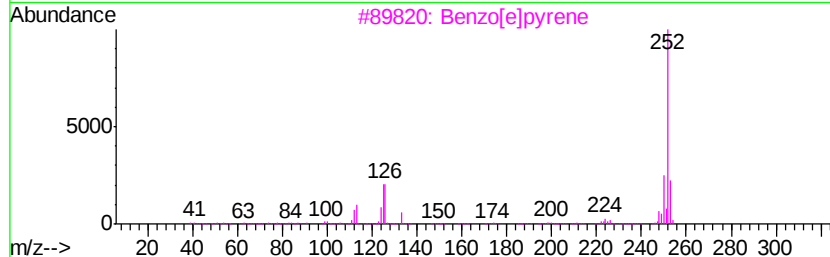
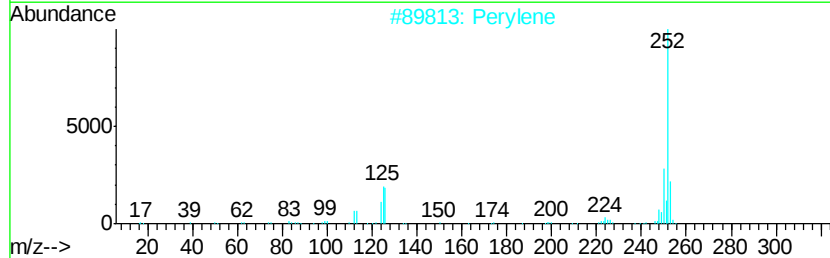
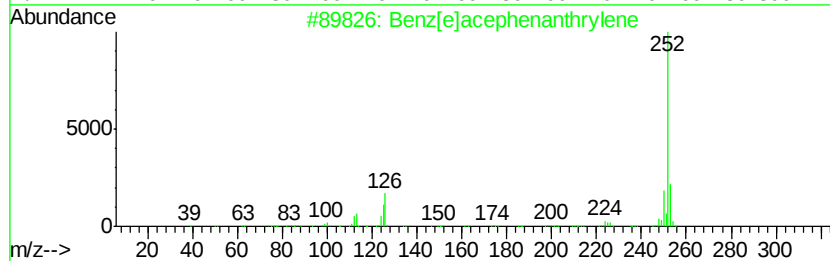
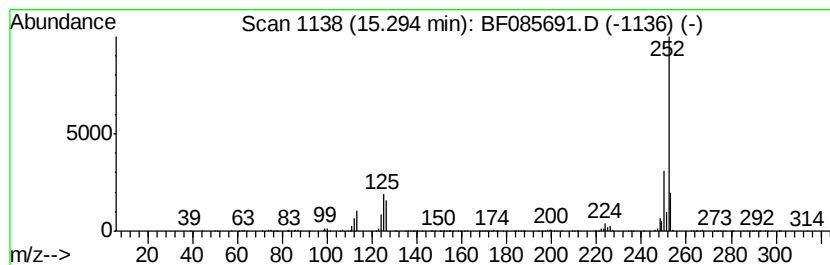
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benz[e]acephenanthrylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	46.14 ng	1637420	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
2		Perylene	252	C20H12	000198-55-0	94
3		Benzo[e]pyrene	252	C20H12	000192-97-2	94
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
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Instrument :
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ClientSampleId :
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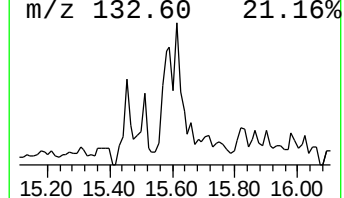
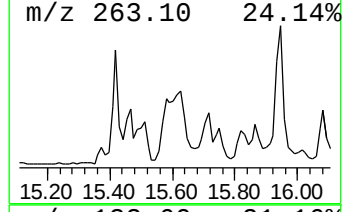
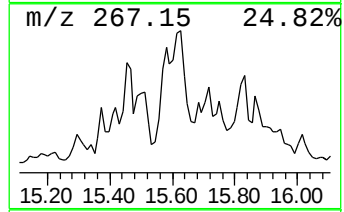
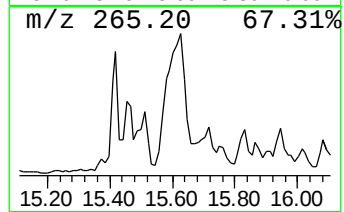
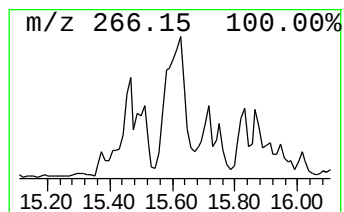
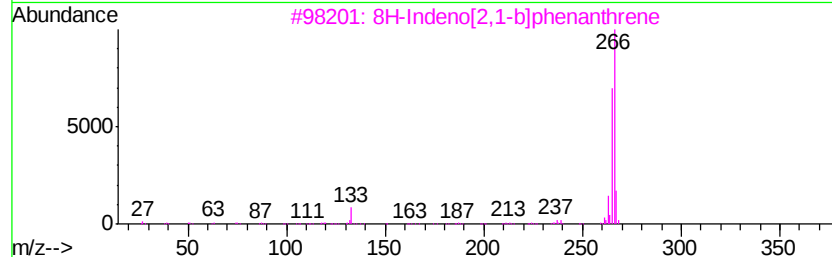
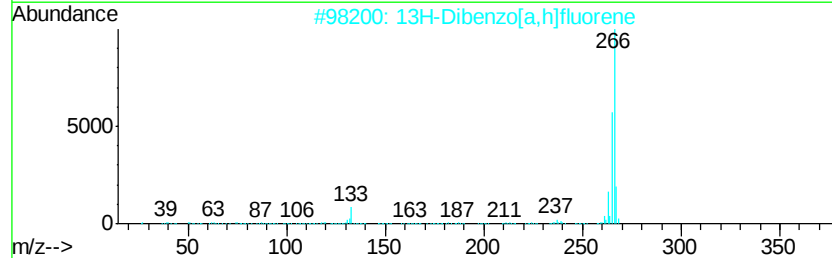
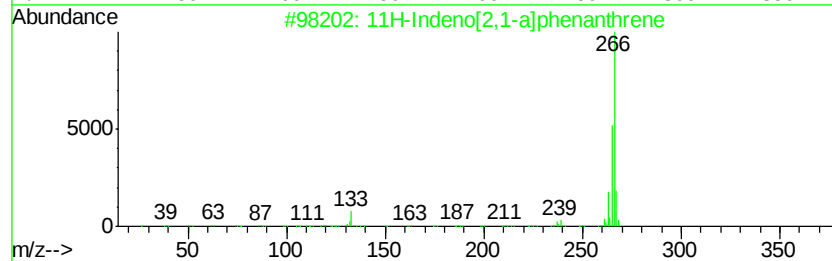
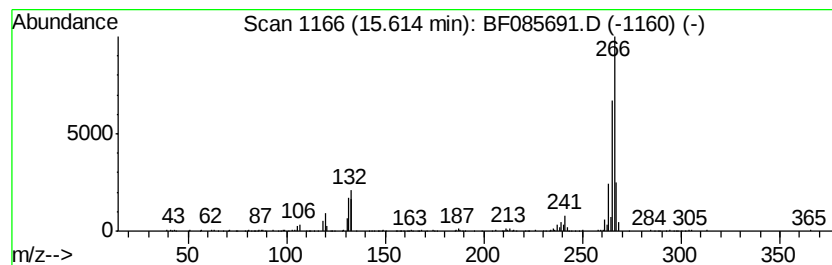
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Indeno[2,1-a]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	17.58 ng	623884	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	96
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	95
3		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	93
4		Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	53
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
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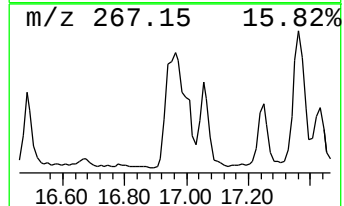
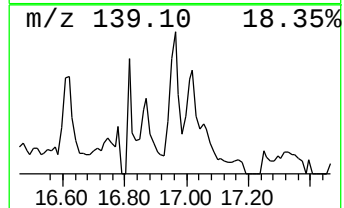
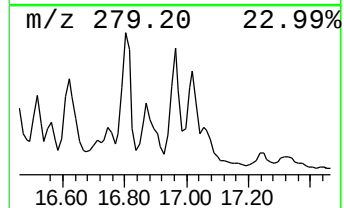
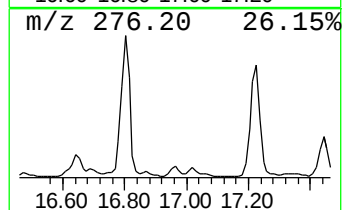
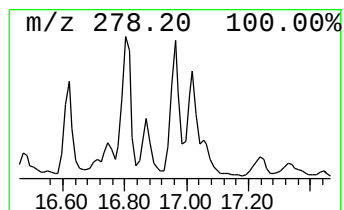
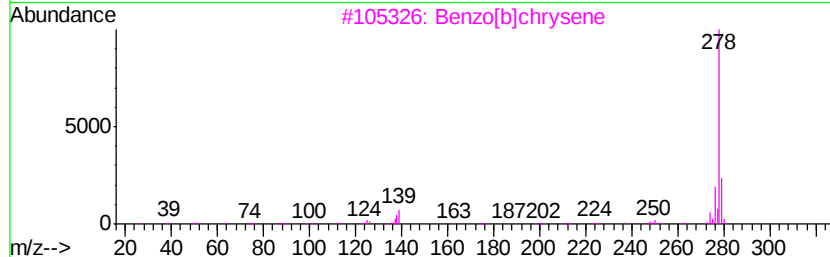
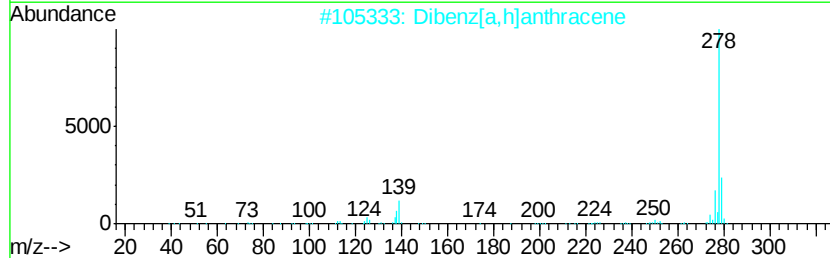
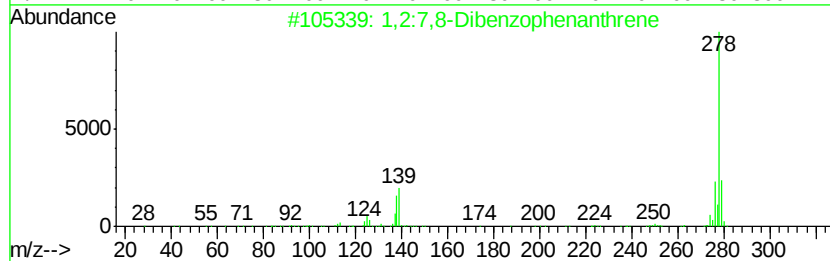
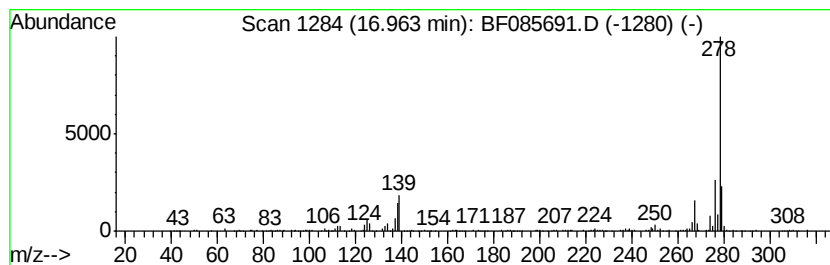
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,2:7,8-Dibenzophenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	11.32 ng	401753	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Benzo[b]chrysene	278	C22H14	000214-17-5	97
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	96
5		Pentacene	278	C22H14	000135-48-8	94



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ALS Vial : 27 Sample Multiplier: 1

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ClientSampleId :
SB-04(3-5)

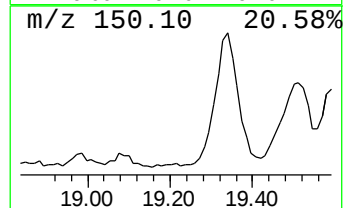
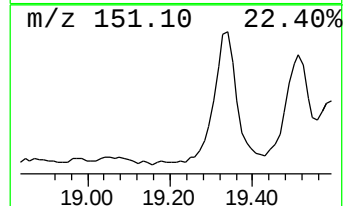
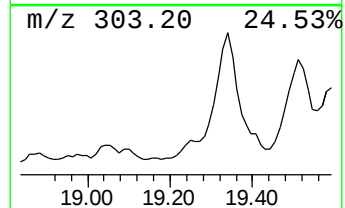
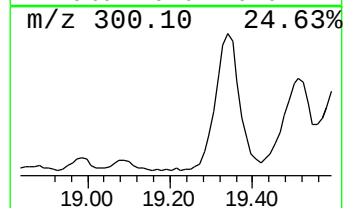
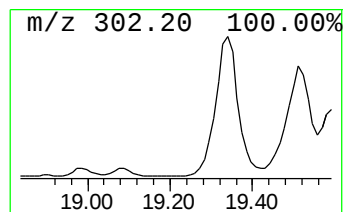
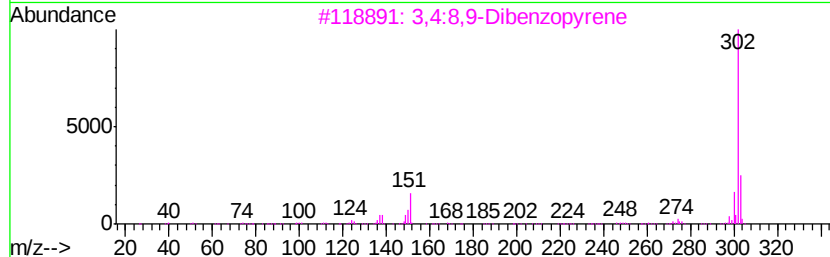
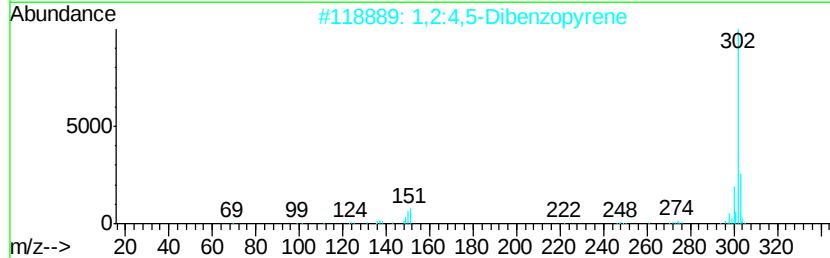
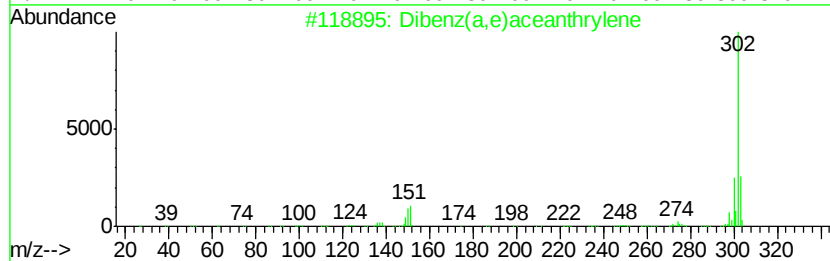
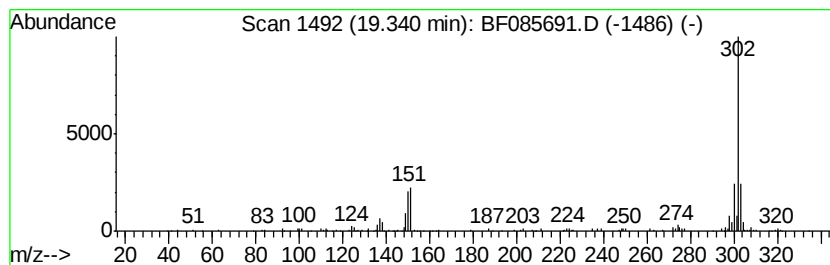
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	13.23 ng	469625	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	97
4		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	97
5		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085691.D
Acq On : 23 Mar 2016 7:24
Operator : UM/SJ
Sample : H1857-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(3-5)

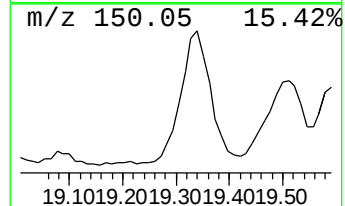
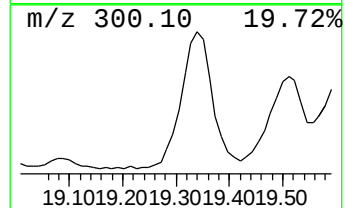
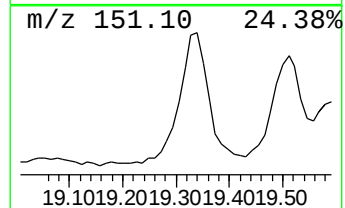
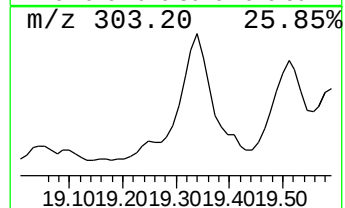
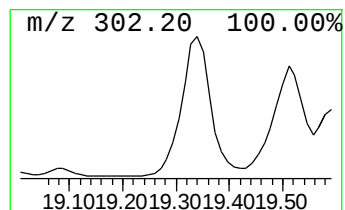
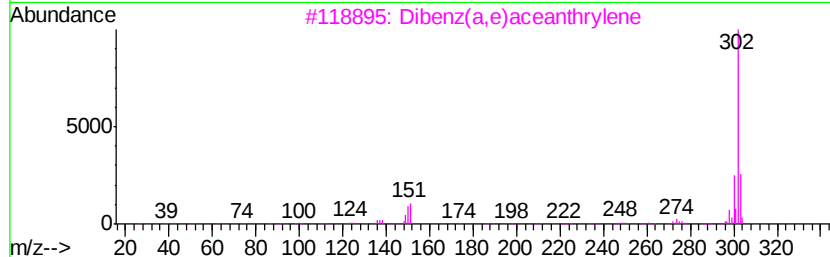
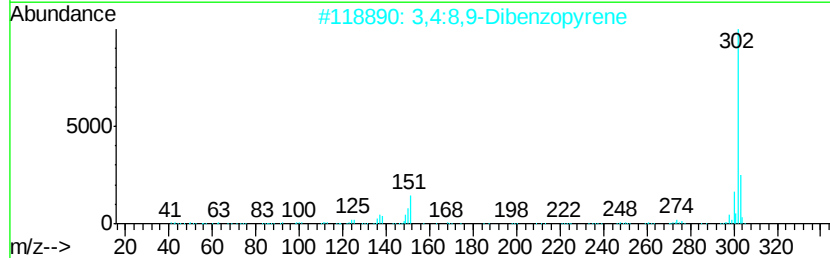
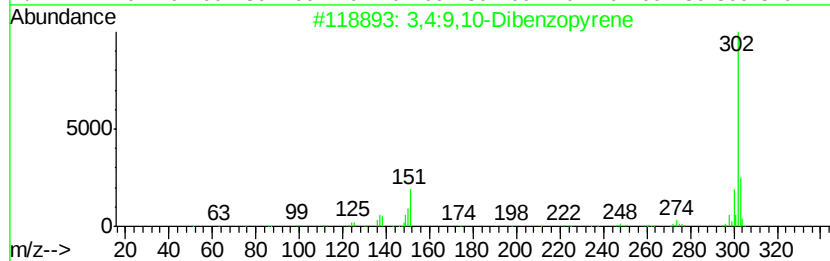
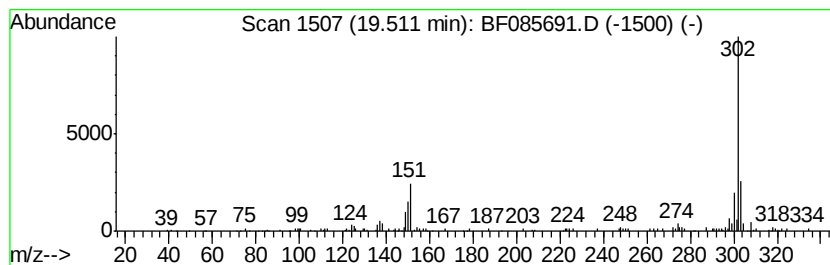
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.51	9.78 ng	347018	Perylene-d12	15.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
4			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
5			Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085691.D
 Acq On : 23 Mar 2016 7:24
 Operator : UM/SJ
 Sample : H1857-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04(3-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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
Tetrachloroethylene	4.49	39.8	ng	1670620	1	6.84	840577	20.0
2-Pentanone, 4-hy...	5.02	10.3	ng	431070	1	6.84	840577	20.0
unknown6.60	6.60	72.6	ng	3053050	1	6.84	840577	20.0
Naphthalene, 1,6-...	9.45	10.1	ng	816278	3	9.86	1624250	20.0
Naphthalene, 1,7-...	9.53	12.4	ng	1006570	3	9.86	1624250	20.0
1-Isopropenylnaph...	10.02	9.1	ng	734907	3	9.86	1624250	20.0
Naphthalene, 2,3,...	10.28	8.6	ng	698450	3	9.86	1624250	20.0
Benzene, [1-(2,4-...	10.48	14.8	ng	1203220	3	9.86	1624250	20.0
Diphenylmethane	10.55	8.9	ng	722749	3	9.86	1624250	20.0
Dibenzofuran, 4-m...	10.57	10.9	ng	887147	3	9.86	1624250	20.0
Pyrene, 2-methyl-	13.12	9.1	ng	2261670	5	14.00	4993760	20.0
Benzo[e]pyrene	15.11	16.2	ng	575698	6	15.42	709747	20.0
Dinaphtho[1,2-b:1...	15.21	12.7	ng	451405	6	15.42	709747	20.0
Benz[e]acephenant...	15.29	46.1	ng	1637420	6	15.42	709747	20.0
11H-Indeno[2,1-a]...	15.61	17.6	ng	623884	6	15.42	709747	20.0
1,2:7,8-Dibenzoph...	16.96	11.3	ng	401753	6	15.42	709747	20.0
Dibenz(a,e)aceant...	19.34	13.2	ng	469625	6	15.42	709747	20.0
3,4:9,10-Dibenzop...	19.51	9.8	ng	347018	6	15.42	709747	20.0