

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
 Data File : BF082890.D
 Acq On : 11 Nov 2015 1:07
 Operator : UM/IZ
 Sample : G4253-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1050-BOTTOM

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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	4.990	250	254	259	rVB	1984857	3017660	13.84%	0.951%
2	5.424	289	292	294	rVB	4480023	5471159	25.08%	1.724%
3	6.453	380	382	385	rVB	4242063	4944892	22.67%	1.558%
4	6.590	391	394	396	rVB	3958113	5447235	24.97%	1.716%
5	6.819	411	414	415	rBV	1182307	1384512	6.35%	0.436%
6	6.967	425	427	430	rVB	3073672	4205647	19.28%	1.325%
7	7.379	460	463	465	rBV	3661581	3575223	16.39%	1.126%
8	7.745	491	495	496	rBV3	252275	516751	2.37%	0.163%
9	8.019	514	519	520	rBV2	237002	591660	2.71%	0.186%
10	8.065	520	523	524	rBV2	370686	593507	2.72%	0.187%
11	8.099	524	526	528	rBV	2285644	2205039	10.11%	0.695%
12	8.145	528	530	532	rBV3	184653	433954	1.99%	0.137%
13	8.179	532	533	535	rBV	950223	808450	3.71%	0.255%
14	8.282	539	542	544	rBV2	635650	1061821	4.87%	0.335%
15	8.316	544	545	547	rBV	500697	522004	2.39%	0.164%
16	8.350	547	548	551	rBV3	292711	492314	2.26%	0.155%
17	8.408	551	553	554	rBV2	814673	1248205	5.72%	0.393%
18	8.465	557	558	559	rBV	857926	675670	3.10%	0.213%
19	8.499	559	561	563	rVB2	801718	876282	4.02%	0.276%
20	8.545	563	565	570	rBV	3598029	4708309	21.59%	1.484%
21	8.659	573	575	578	rBV4	647490	985624	4.52%	0.311%
22	8.716	578	580	582	rBV2	2540455	3218316	14.76%	1.014%
23	8.762	582	584	586	rBV3	459087	941592	4.32%	0.297%
24	8.808	586	588	590	rVB	1713857	2268329	10.40%	0.715%
25	8.876	590	594	595	rBV4	909711	1980937	9.08%	0.624%
26	8.933	595	599	600	rBV4	766452	1456323	6.68%	0.459%
27	9.002	603	605	608	rBV3	1230222	2379270	10.91%	0.750%
28	9.048	608	609	611	rBV2	1008252	805863	3.69%	0.254%
29	9.082	611	612	613	rVB	1291443	885284	4.06%	0.279%
30	9.150	616	618	619	rVB	5773305	4471248	20.50%	1.409%
31	9.185	619	621	624	rVB	4596088	4813405	22.07%	1.517%
32	9.288	626	630	632	rBV2	5210645	8419263	38.60%	2.653%
33	9.333	632	634	638	rVB3	1974199	4099348	18.79%	1.292%
34	9.402	638	640	642	rVB2	968965	1056291	4.84%	0.333%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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35	9.448	642	644	645	rBV2	904566	1595858	7.32%	0.503%
36	9.505	648	649	650	rBV	979566	1018496	4.67%	0.321%
37	9.539	650	652	655	rVV4	1478085	3226454	14.79%	1.017%
38	9.608	655	658	661	rVV4	5643967	13602969	62.37%	4.286%
39	9.665	661	663	664	rVB2	1552145	1634098	7.49%	0.515%
40	9.756	669	671	672	rBV	1630819	2149768	9.86%	0.677%
41	9.791	672	674	675	rVB2	2647708	2108656	9.67%	0.664%
42	9.825	675	677	678	rBV	6909488	7085899	32.49%	2.233%
43	9.859	678	680	685	rBV4	3670021	6103181	27.98%	1.923%
44	10.053	694	697	698	rBV3	2644654	4690923	21.51%	1.478%
45	10.088	698	700	701	rVV2	3139235	4121725	18.90%	1.299%
46	10.145	703	705	707	rVV2	5437912	5451008	24.99%	1.718%
47	10.179	707	708	712	rVV4	2288125	4505519	20.66%	1.420%
48	10.248	712	714	717	rBV3	1726200	2839520	13.02%	0.895%
49	10.328	719	721	723	rVV	6973026	8021630	36.78%	2.527%
50	10.373	723	725	728	rVB3	2069569	3776380	17.31%	1.190%
51	10.488	733	735	736	rVB	2547917	2579624	11.83%	0.813%
52	10.556	737	741	743	rVV	8222226	14010899	64.24%	4.415%
53	10.602	743	745	746	rVB2	2888338	3213818	14.73%	1.013%
54	10.636	746	748	749	rBV	2371520	4202524	19.27%	1.324%
55	10.659	749	750	752	rVB2	3898150	4729101	21.68%	1.490%
56	10.705	752	754	755	rBV2	1650056	1551984	7.12%	0.489%
57	10.831	760	765	767	rBV2	10127751	21811376	100.00%	6.872%
58	11.002	777	780	784	rBV5	2460228	6380318	29.25%	2.010%
59	11.254	800	802	803	rBV	6576775	7112279	32.61%	2.241%
60	11.288	803	805	808	rVB	8242754	9773884	44.81%	3.080%
61	11.391	812	814	815	rVB	1466375	1159712	5.32%	0.365%
62	11.425	815	817	819	rBV3	1332435	2205722	10.11%	0.695%
63	11.631	833	835	837	rVB	2530896	2480142	11.37%	0.781%
64	11.676	837	839	842	rVB	6461816	6375409	29.23%	2.009%
65	11.836	851	853	854	rBV	1563618	2180786	10.00%	0.687%
66	11.974	863	865	870	rVB4	2731103	6932578	31.78%	2.184%
67	12.054	870	872	873	rBV2	1196613	1669638	7.65%	0.526%
68	12.076	873	874	878	rVB2	5192529	7935334	36.38%	2.500%
69	12.236	886	888	890	rVB2	1322845	2259517	10.36%	0.712%
70	12.362	896	899	902	rVB2	1954162	3839701	17.60%	1.210%
71	12.419	902	904	905	rVV	2747360	2962846	13.58%	0.934%

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72	12.465	905	908	910	rVV2	5988465	6409485	29.39%	2.020%
73	12.499	910	911	913	rVB2	1024505	1000627	4.59%	0.315%
74	12.568	916	917	919	rVB	1974504	2238845	10.26%	0.705%
75	12.671	925	926	930	rBV4	775316	1635702	7.50%	0.515%
76	12.797	935	937	938	rVV	2390485	2283409	10.47%	0.719%
77	12.831	938	940	941	rVV2	4316526	4193980	19.23%	1.321%
78	12.854	941	942	944	rVB	956644	1049396	4.81%	0.331%
79	12.945	948	950	952	rBV	4414209	5091874	23.35%	1.604%
80	13.185	969	971	972	rVB	1693752	2197115	10.07%	0.692%
81	13.219	972	974	979	rVB3	665216	1344316	6.16%	0.424%
82	13.379	986	988	991	rVB3	331027	456057	2.09%	0.144%
83	13.517	998	1000	1003	rVB	1167837	1167732	5.35%	0.368%
84	13.722	1016	1018	1020	rBV2	285993	425112	1.95%	0.134%
85	13.837	1025	1028	1032	rVB2	1105444	1777300	8.15%	0.560%
86	13.974	1037	1040	1042	rBV2	2172143	3333957	15.29%	1.050%
87	14.008	1042	1043	1045	rVB	1324838	953924	4.37%	0.301%
88	14.477	1081	1084	1089	rVB3	478416	1162673	5.33%	0.366%
89	14.991	1126	1129	1134	rBV	1197441	2580011	11.83%	0.813%
90	15.105	1135	1139	1143	rBV3	803291	1826492	8.37%	0.575%
91	15.277	1152	1154	1157	rVB	797534	1022033	4.69%	0.322%
92	15.334	1157	1159	1162	rBV	927325	1159806	5.32%	0.365%
93	15.403	1162	1165	1166	rBV	839587	1207752	5.54%	0.381%
94	15.860	1202	1205	1207	rBV	365142	632150	2.90%	0.199%
95	15.905	1207	1209	1213	rVB2	385048	766583	3.51%	0.242%
96	16.603	1267	1270	1274	rVB3	178378	459329	2.11%	0.145%
97	16.774	1282	1285	1289	rBV2	531356	1000192	4.59%	0.315%
98	17.186	1317	1321	1329	rVB	425579	993140	4.55%	0.313%
99	18.294	1415	1418	1428	rVB4	154762	514470	2.36%	0.162%
100	19.277	1499	1504	1513	rVB3	159089	632924	2.90%	0.199%

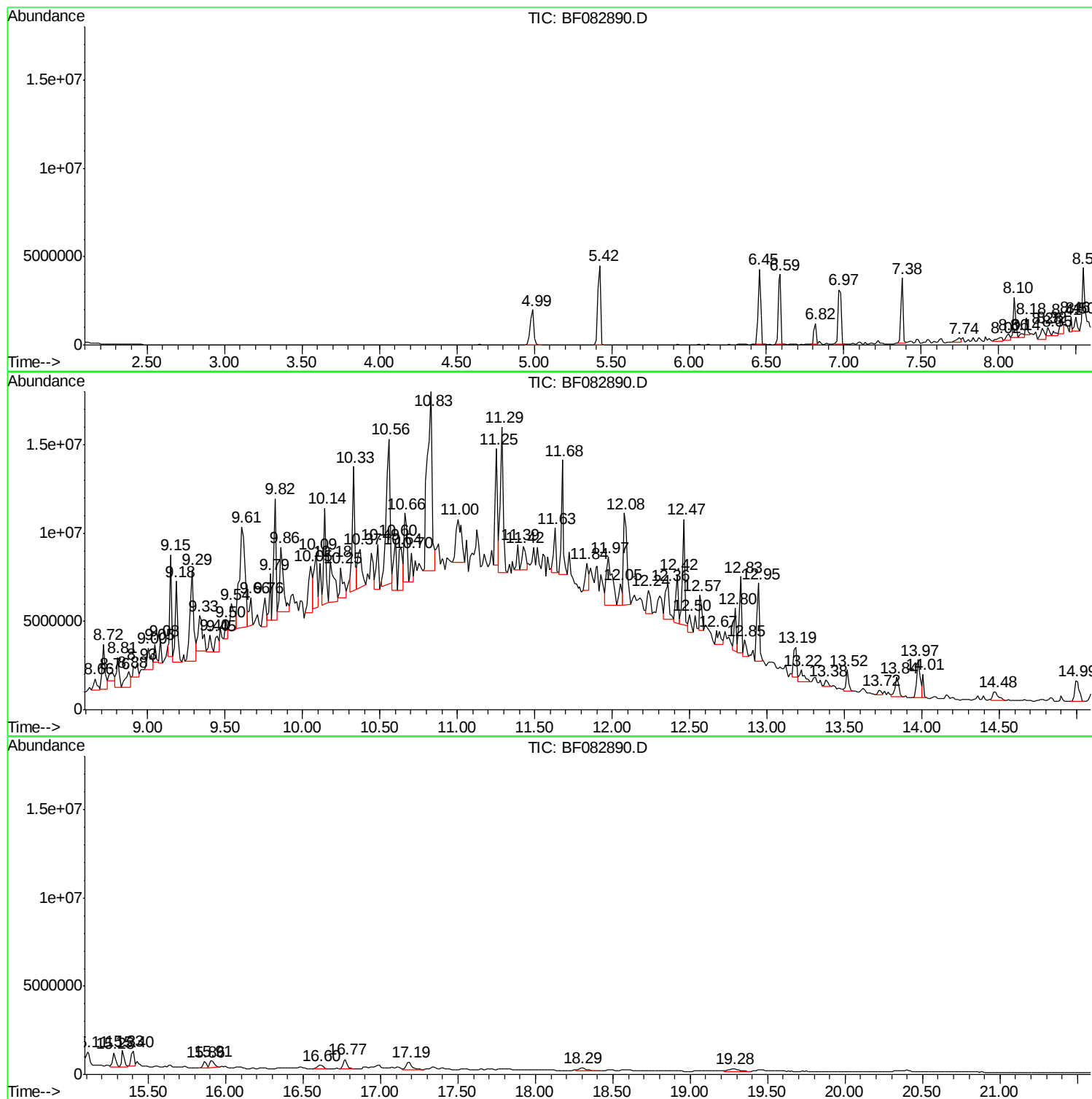
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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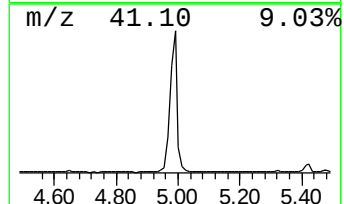
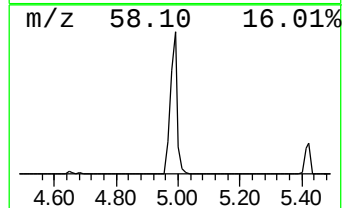
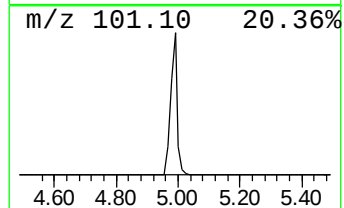
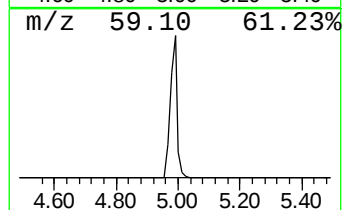
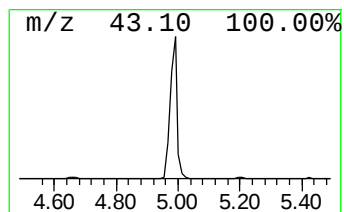
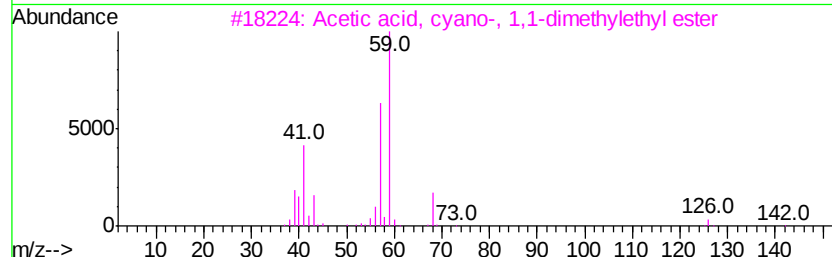
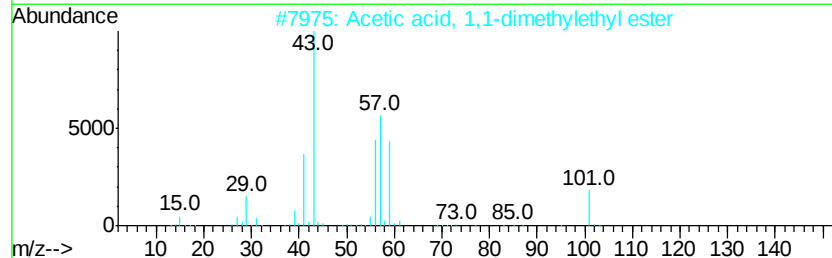
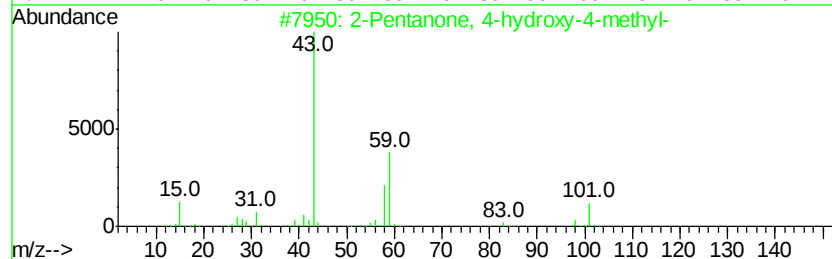
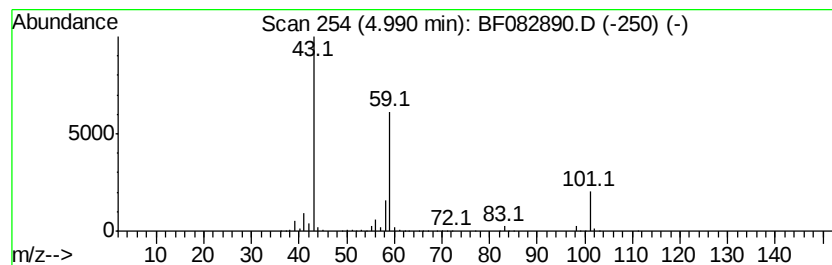
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	43.59 ng	3017660	1,4-Dichlorobenzene-d4	6.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
4			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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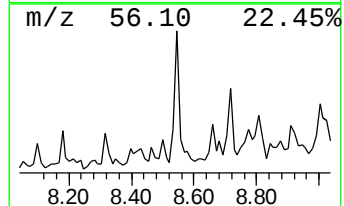
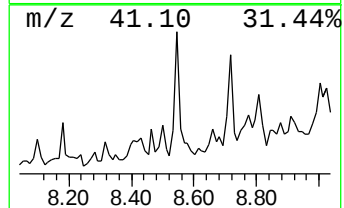
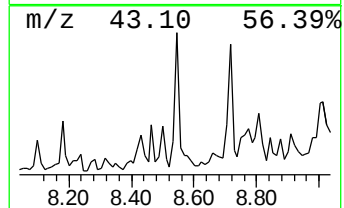
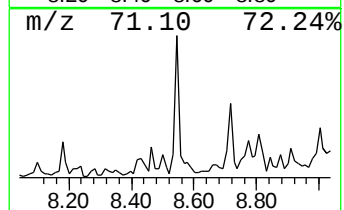
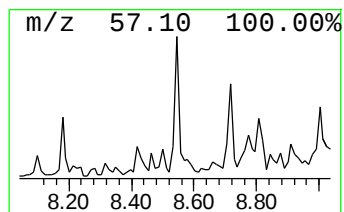
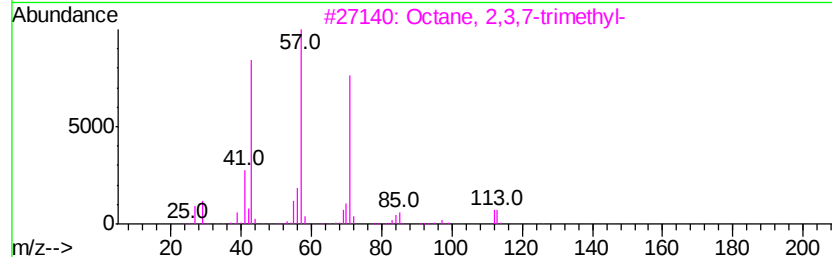
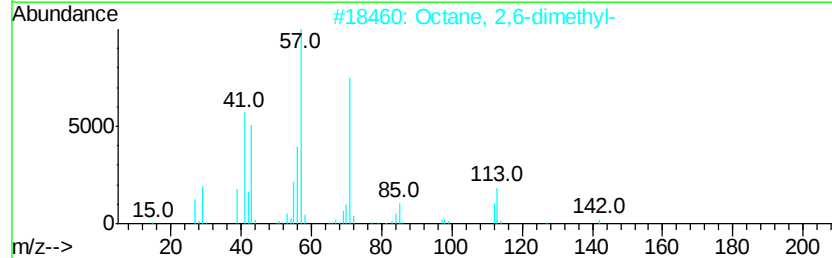
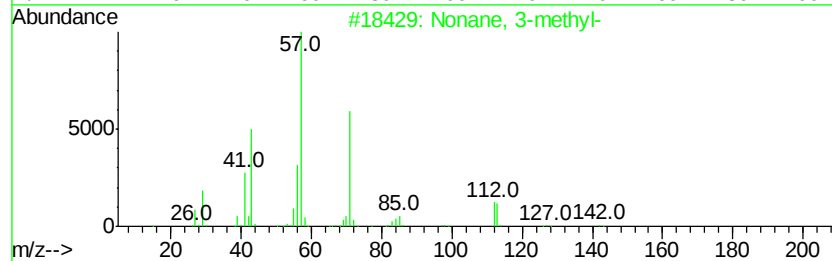
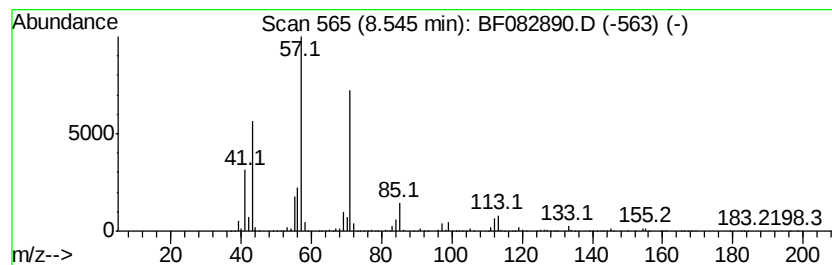
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Nonane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	42.71 ng	4708310	Naphthalene-d8	8.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
4		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59
5		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59



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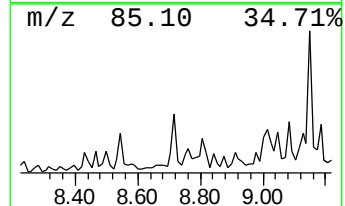
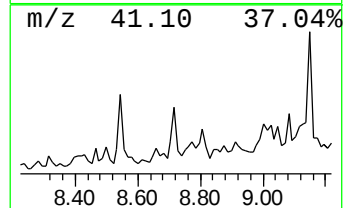
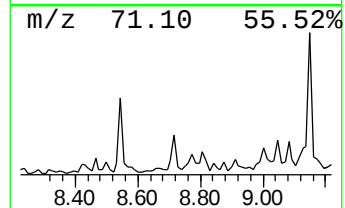
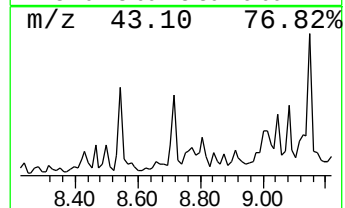
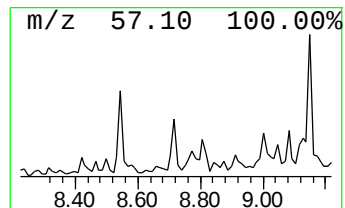
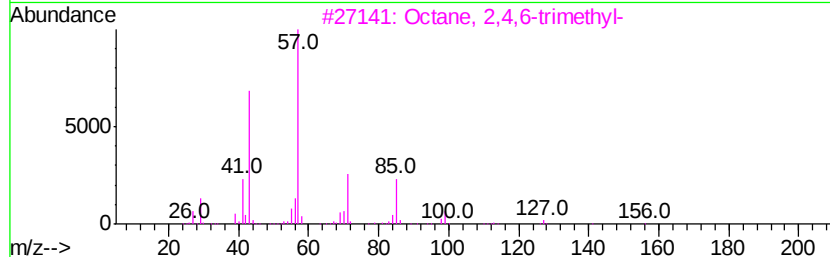
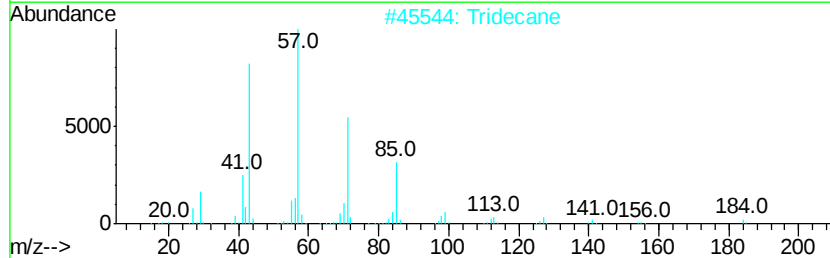
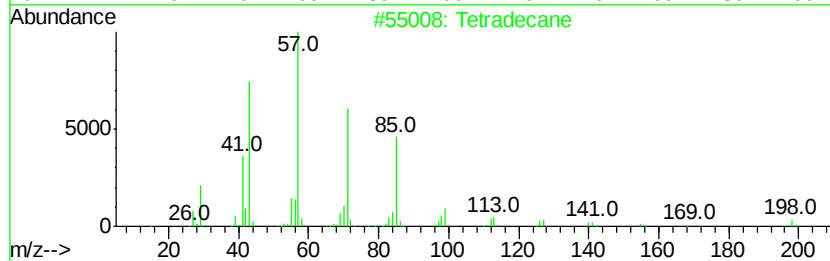
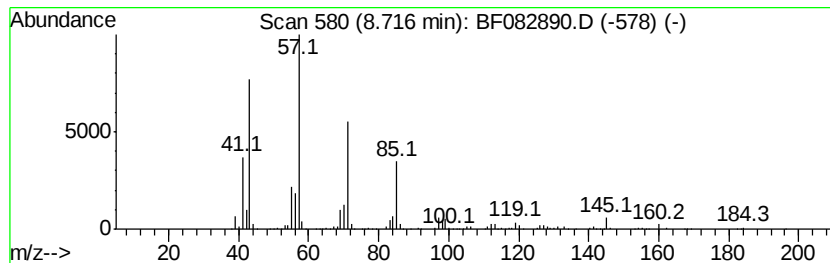
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Peak Number 5 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	29.19 ng	3218320	Naphthalene-d8	8.10

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	80
2		Tridecane	184	C13H28	000629-50-5	80
3		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
4		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	78
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
Operator : UM/IZ
Sample : G4253-07
Misc :
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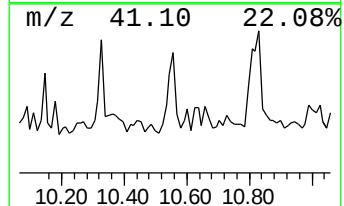
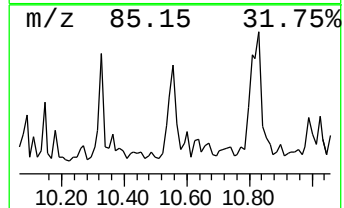
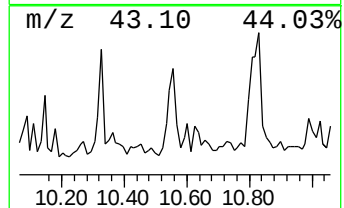
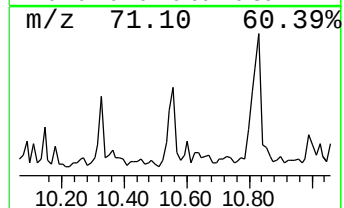
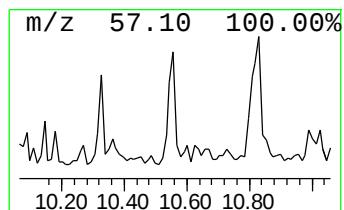
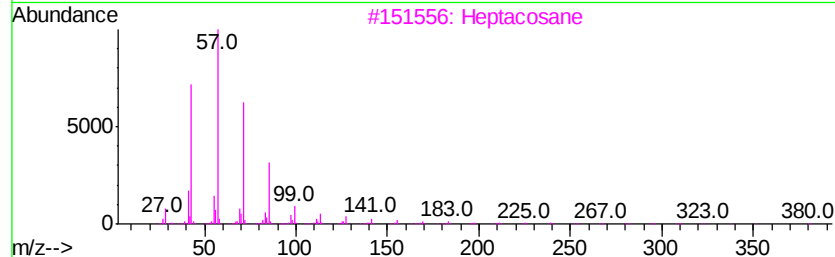
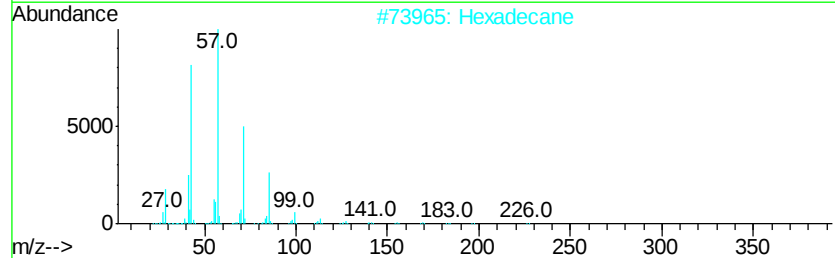
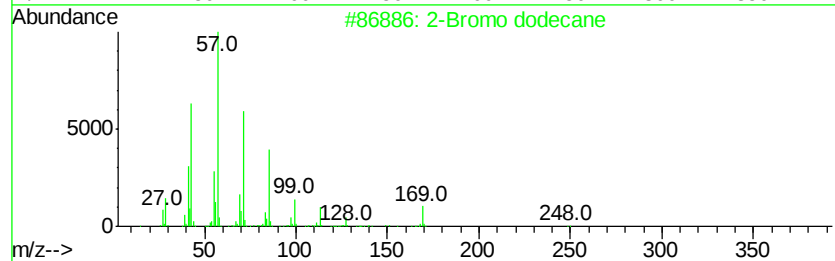
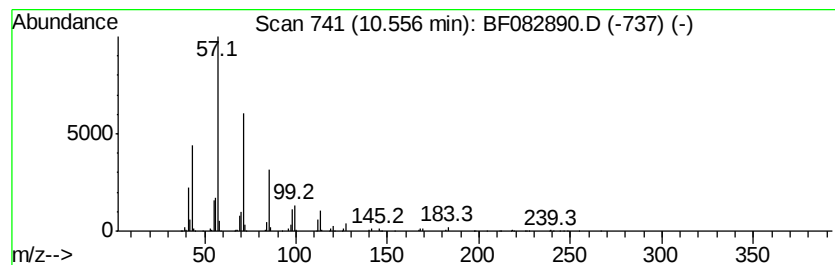
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2-Bromo dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.56	45.91 ng	14010900	Acenaphthene-d10	9.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2	Hexadecane	226	C16H34	000544-76-3	72
3	Heptacosane	380	C27H56	000593-49-7	72
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
Operator : UM/IZ
Sample : G4253-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

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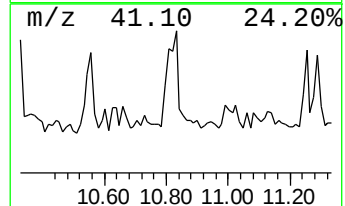
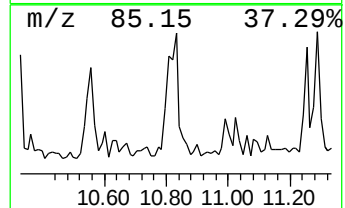
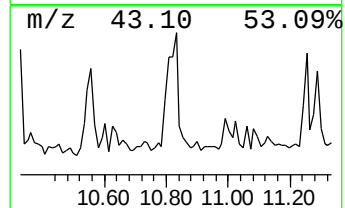
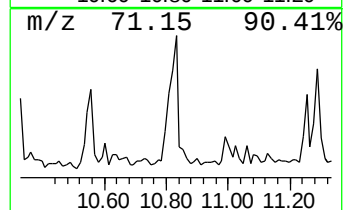
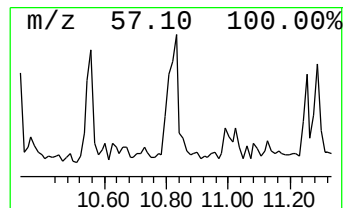
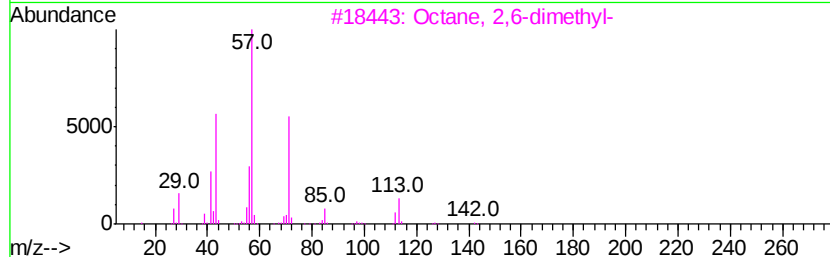
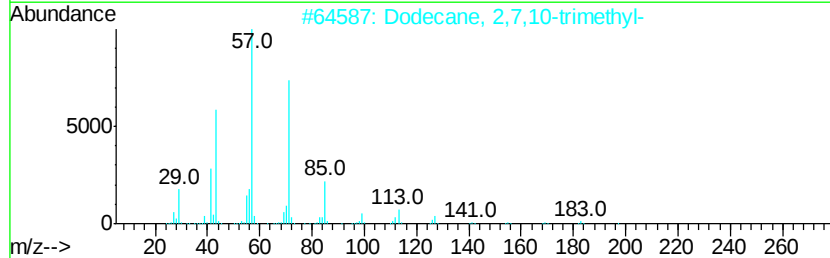
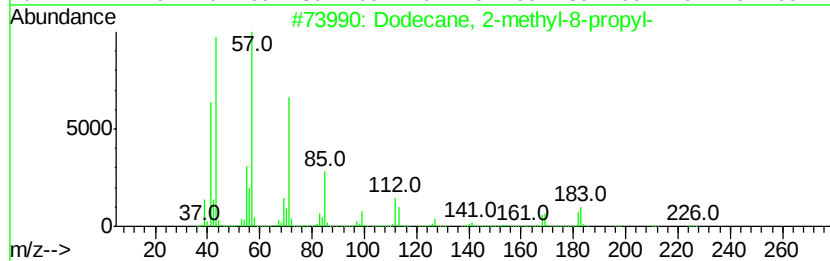
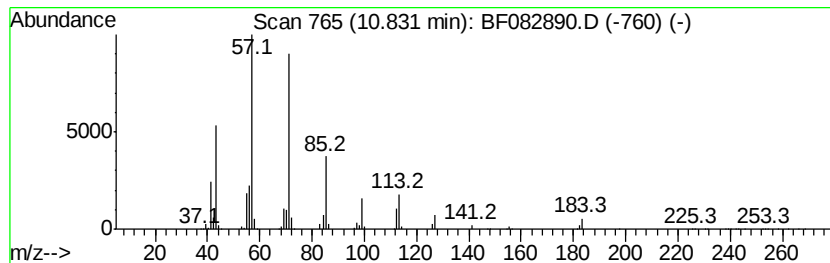
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2-methyl-8-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	376.15 ng	21811400	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	90
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	59
5		Octane, 3-ethyl-	142	C10H22	005881-17-4	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
Operator : UM/IZ
Sample : G4253-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

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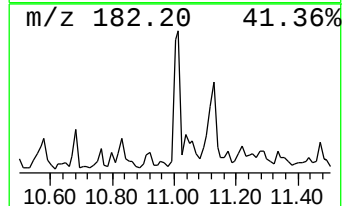
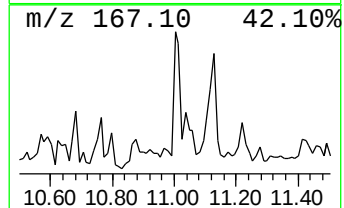
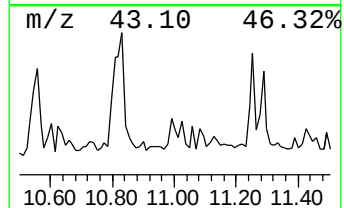
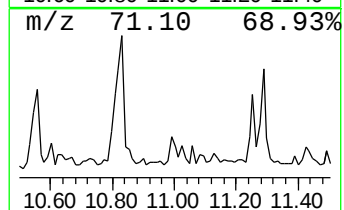
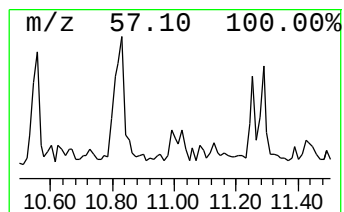
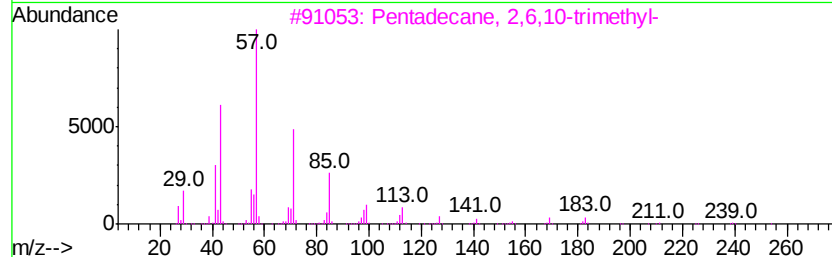
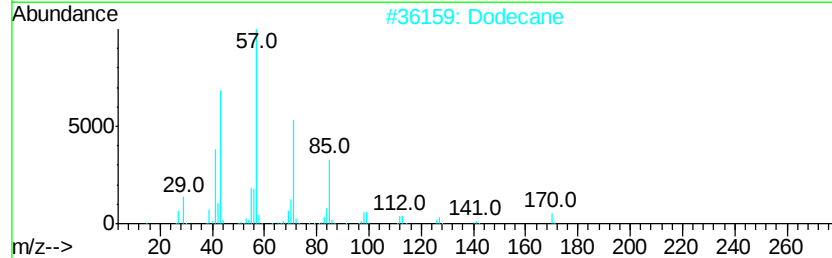
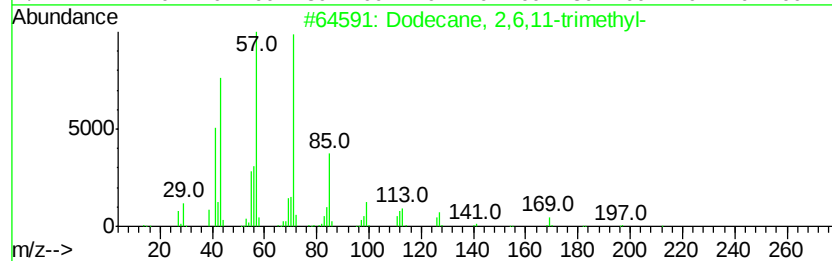
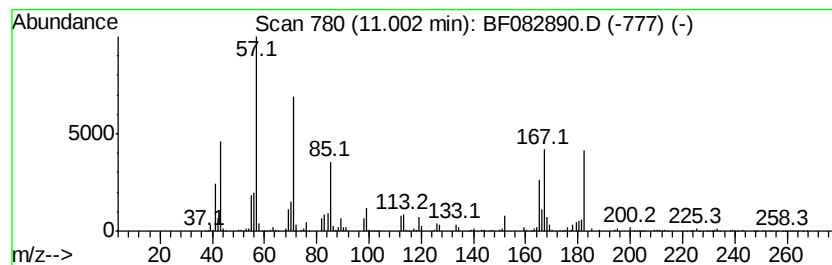
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	110.03 ng	6380320	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	53
2		Dodecane	170	C12H26	000112-40-3	50
3		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	45
4		Hexadecane	226	C16H34	000544-76-3	43
5		Tridecane	184	C13H28	000629-50-5	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
Operator : UM/IZ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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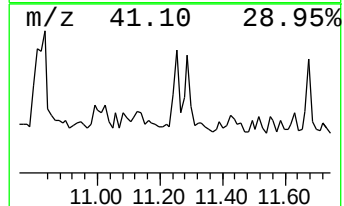
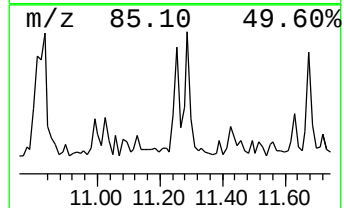
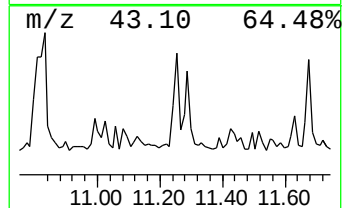
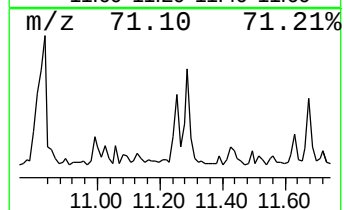
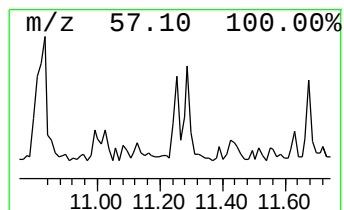
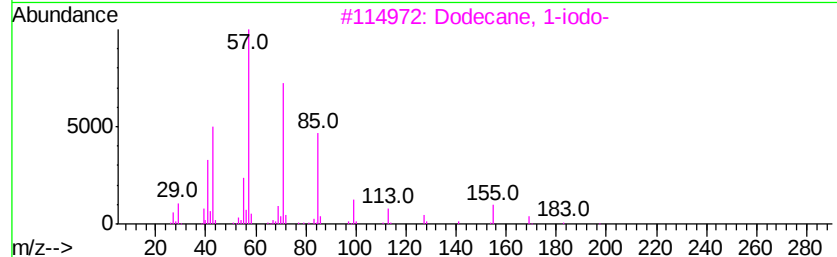
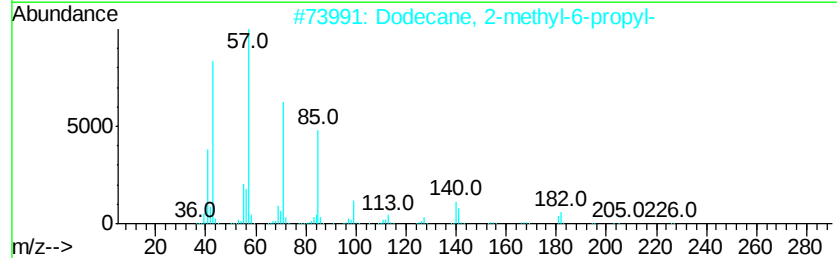
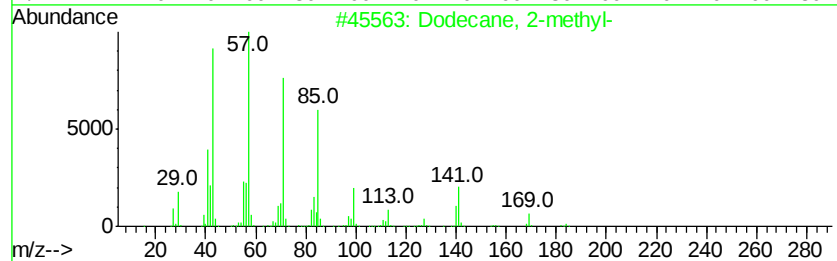
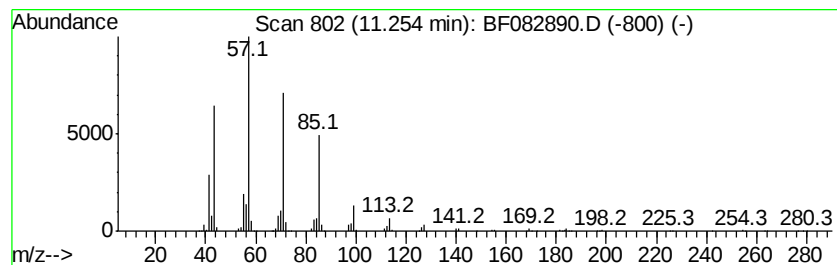
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dodecane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	122.66 ng	7112280	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4		Pentadecane	212	C15H32	000629-62-9	86
5		Undecane, 6-ethyl-	184	C13H28	017312-60-6	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
Data File : BF082890.D
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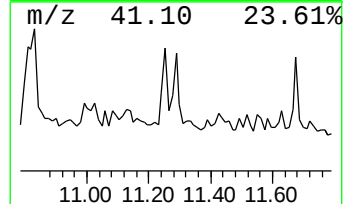
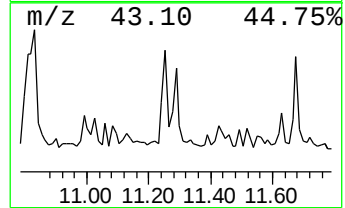
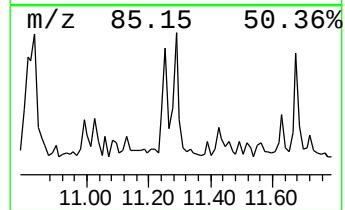
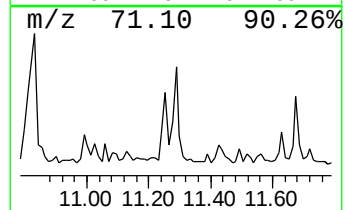
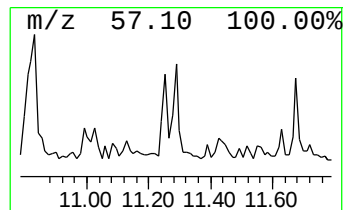
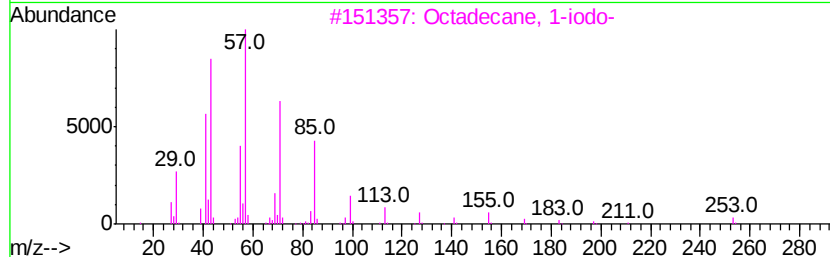
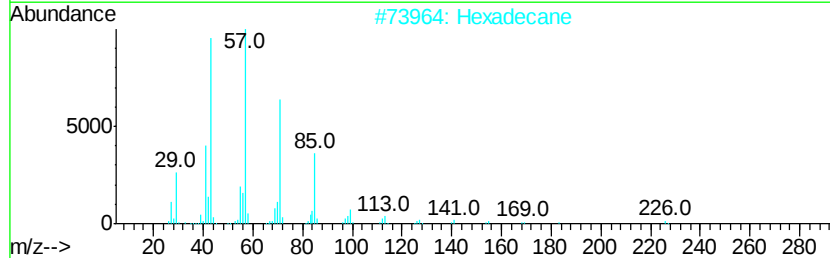
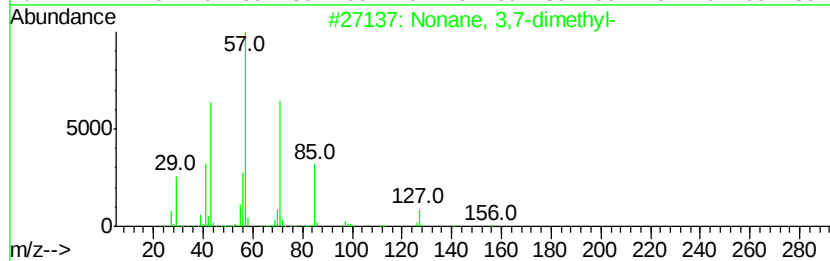
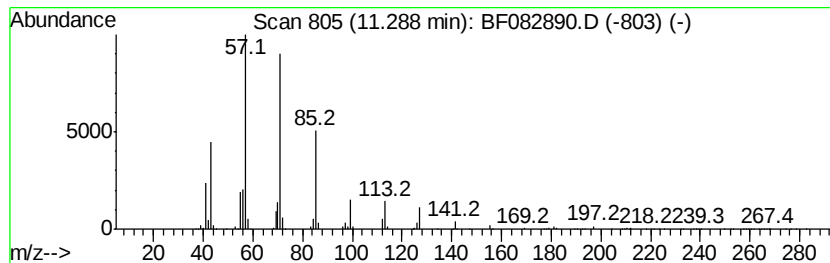
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonane, 3,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	168.56 ng	9773880	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
2		Hexadecane	226	C16H34	000544-76-3	78
3		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	78
4		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	78
5		Tetradecane	198	C14H30	000629-59-4	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
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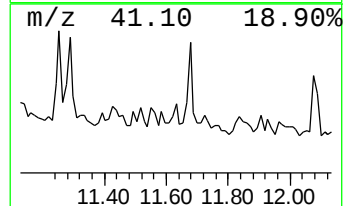
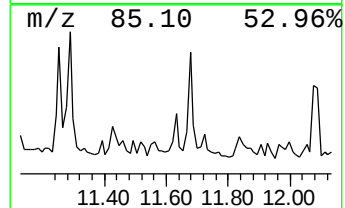
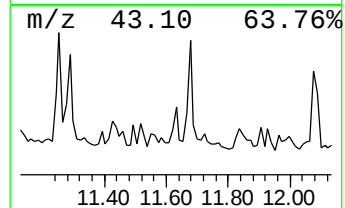
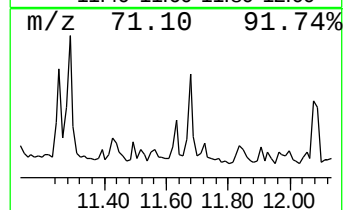
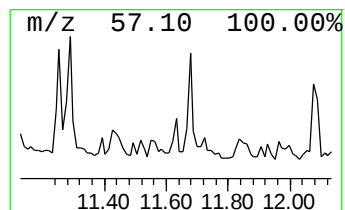
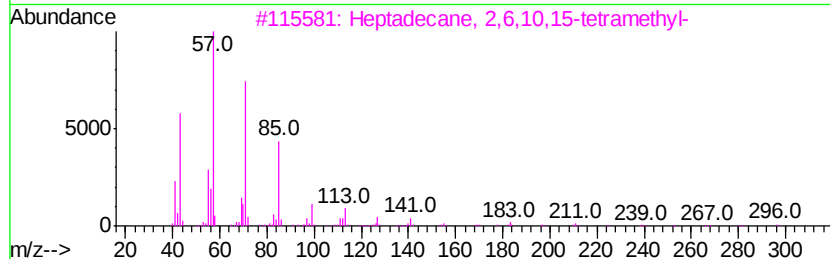
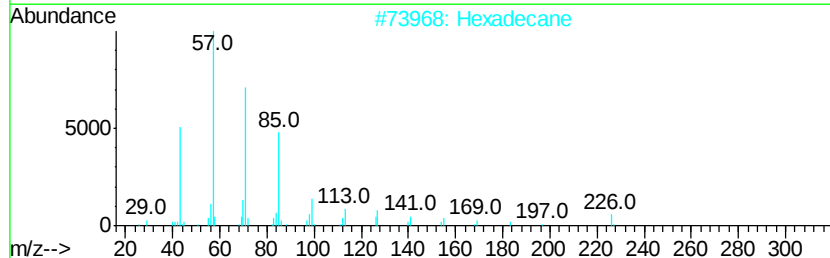
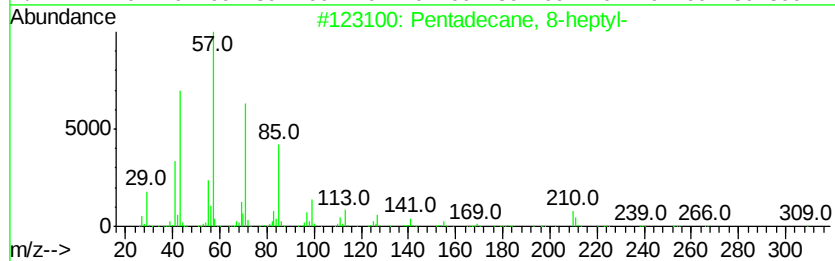
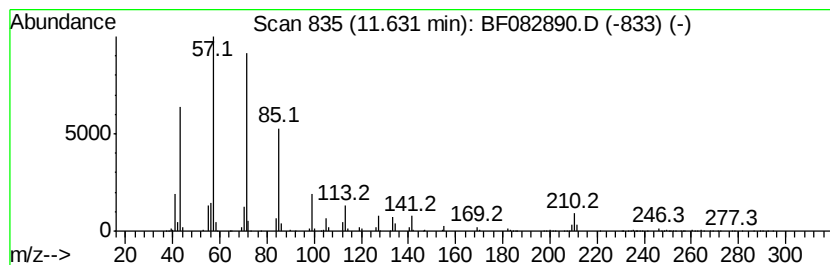
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane, 8-heptyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	42.77 ng	2480140	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	86
2		Hexadecane	226	C16H34	000544-76-3	80
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4		Tetratriacontane	479	C34H70	014167-59-0	80
5		Heneicosane	296	C21H44	000629-94-7	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
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ClientSampleId :
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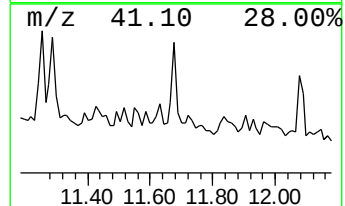
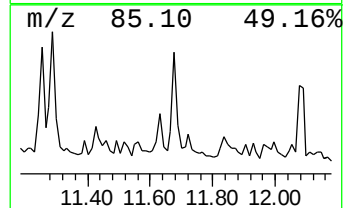
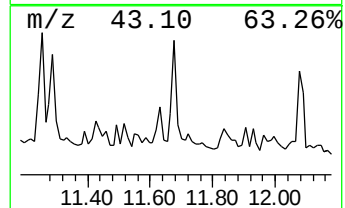
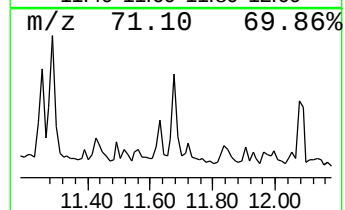
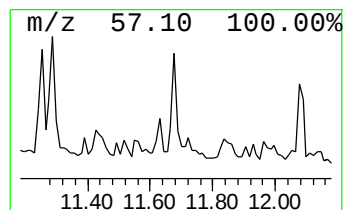
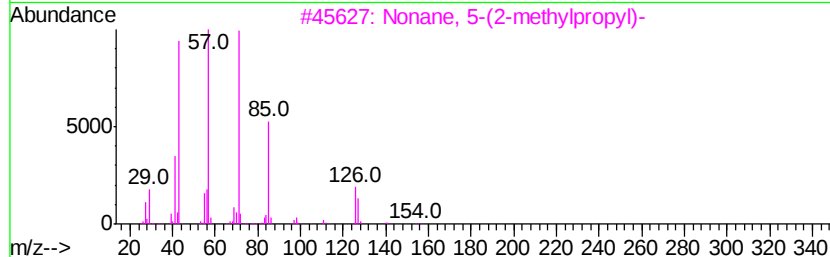
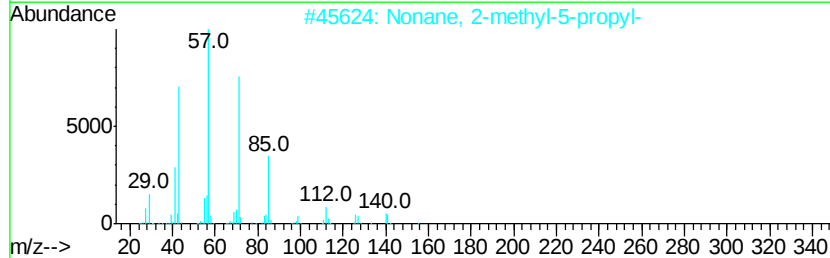
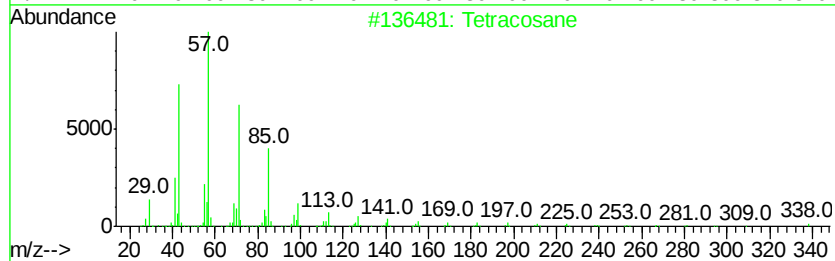
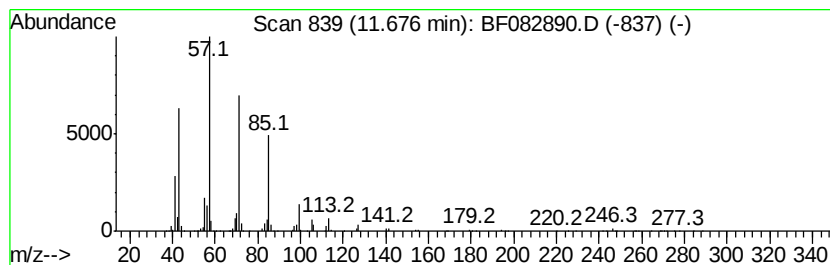
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	109.95 ng	6375410	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	83
2		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	78
3		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
4		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
Operator : UM/IZ
Sample : G4253-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1050-BOTTOM

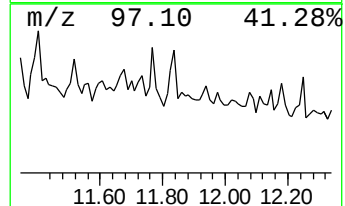
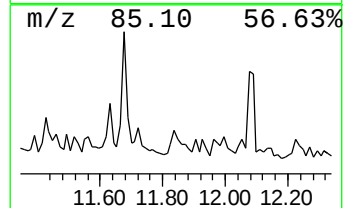
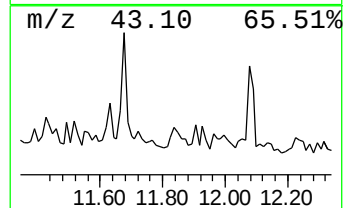
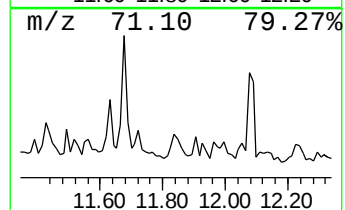
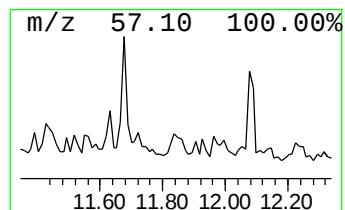
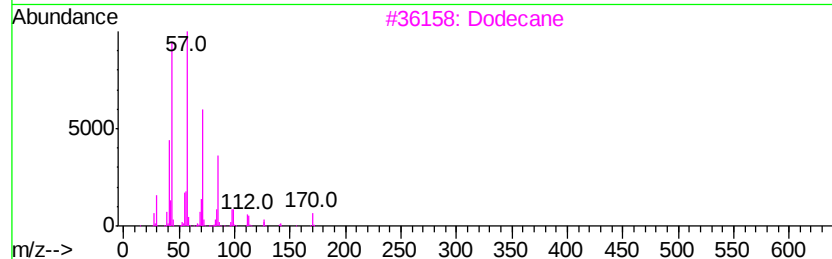
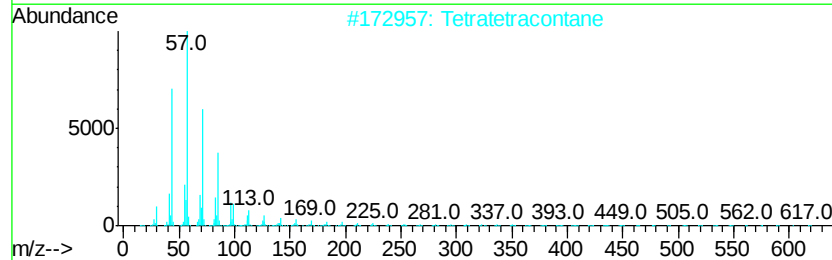
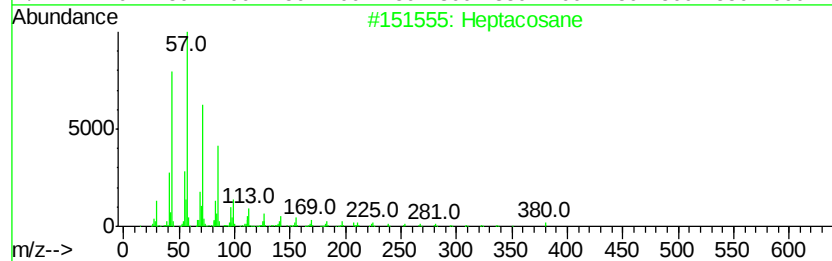
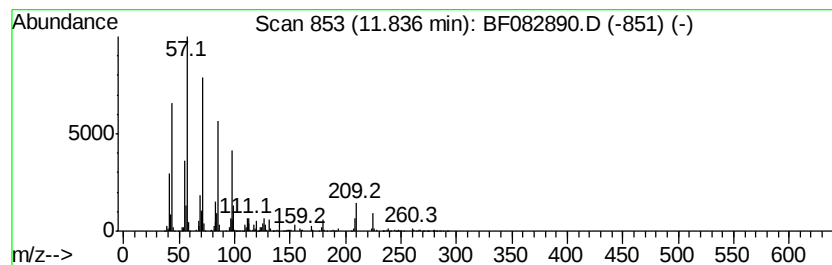
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	37.61 ng	2180790	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	64
2		Tetratetracontane	619	C44H90	007098-22-8	64
3		Dodecane	170	C12H26	000112-40-3	58
4		Tetradecane	198	C14H30	000629-59-4	58
5		Hexadecane	226	C16H34	000544-76-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
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Acq On : 11 Nov 2015 1:07
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ClientSampleId :
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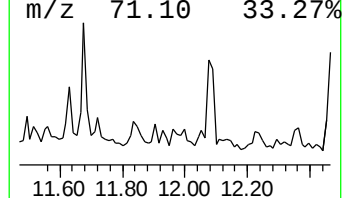
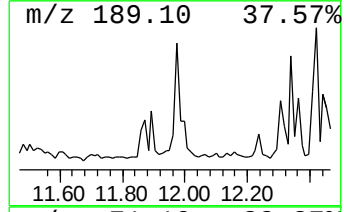
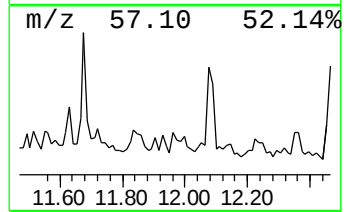
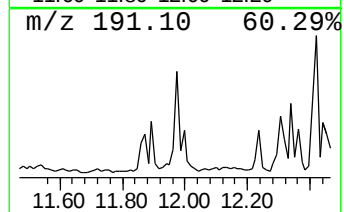
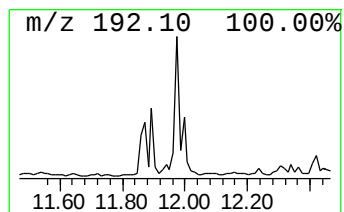
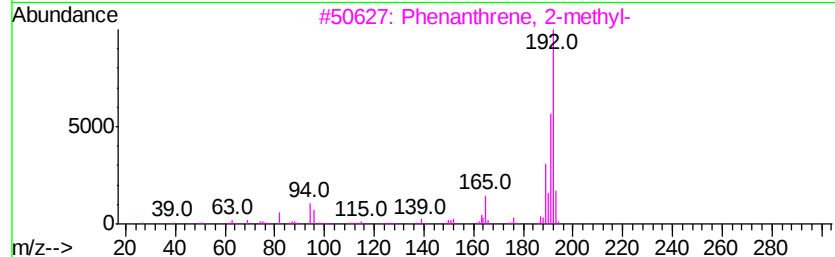
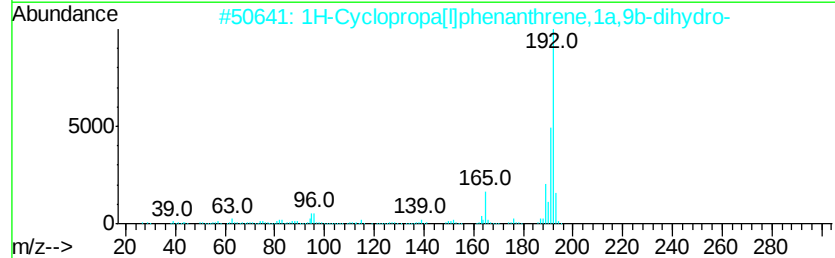
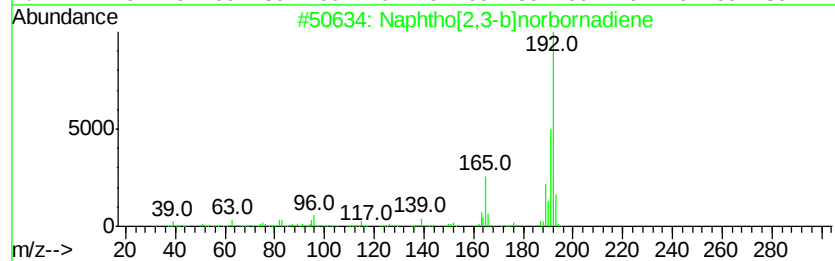
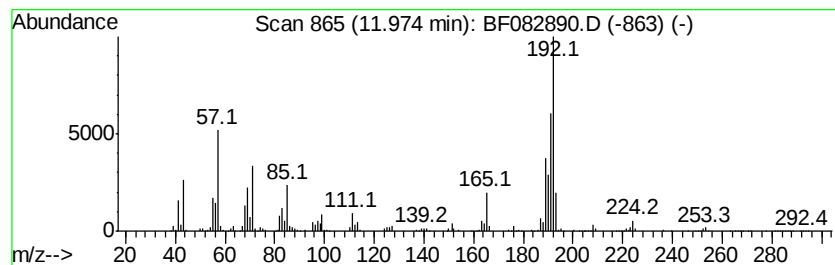
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphtho[2,3-b]norbornadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	119.56 ng	6932580	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76
2		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	76
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
Operator : UM/IZ
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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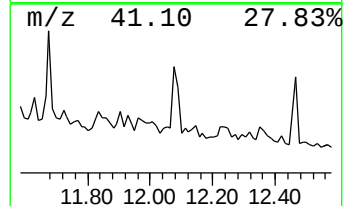
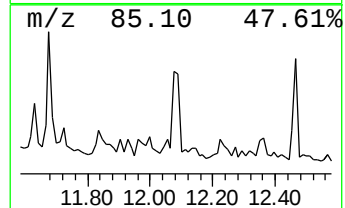
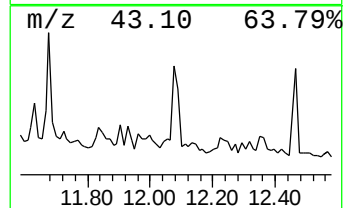
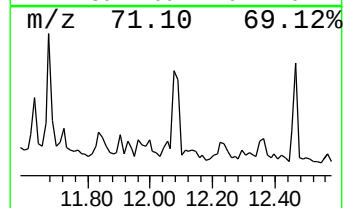
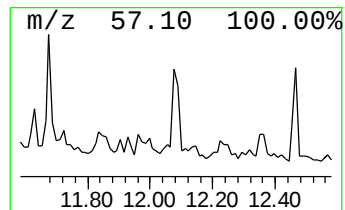
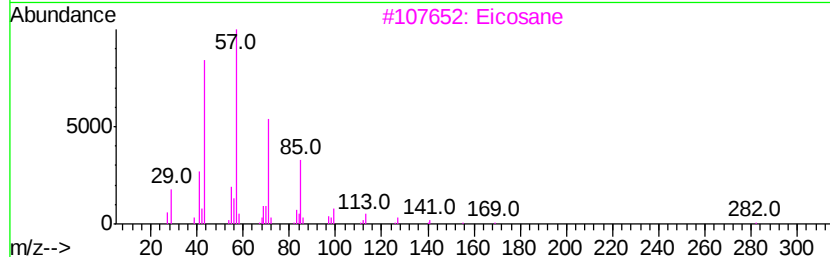
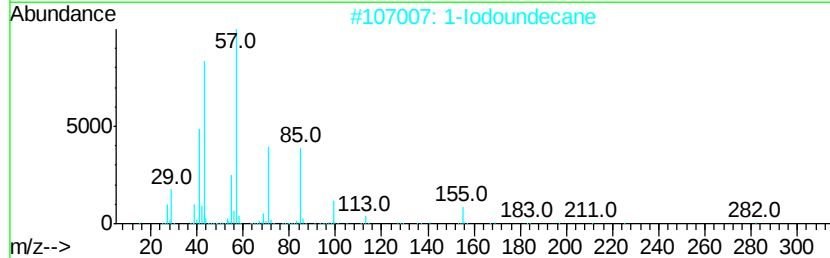
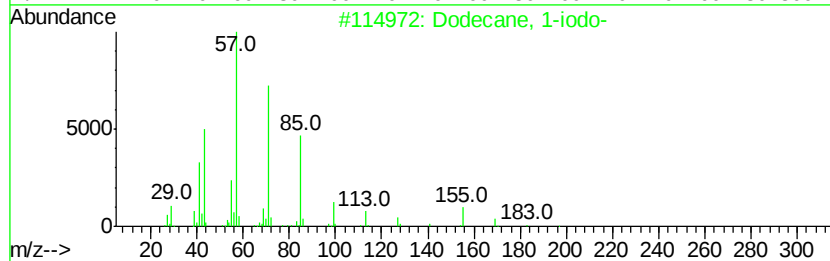
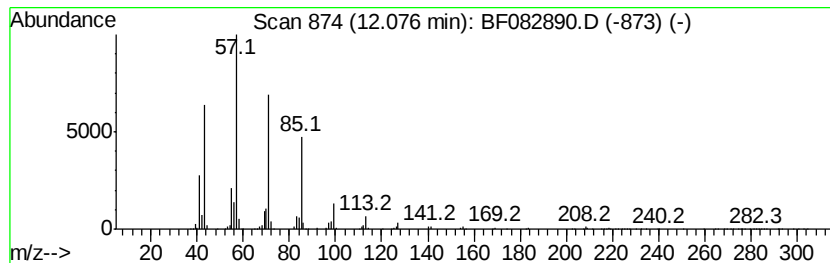
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dodecane, 1-iodo- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	136.85 ng	7935330	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2		1-Iodoundecane	282	C11H23I	004282-44-4	80
3		Eicosane	282	C20H42	000112-95-8	72
4		Hexadecane	226	C16H34	000544-76-3	72
5		Decane	142	C10H22	000124-18-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
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Acq On : 11 Nov 2015 1:07
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ClientSampleId :
1050-BOTTOM

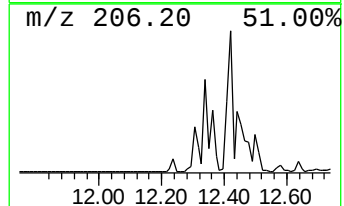
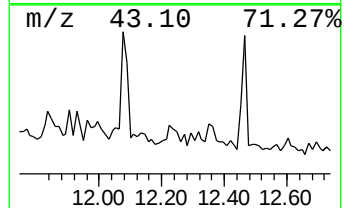
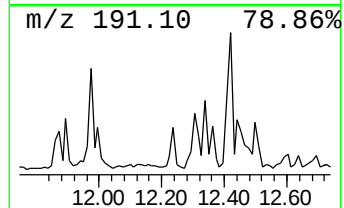
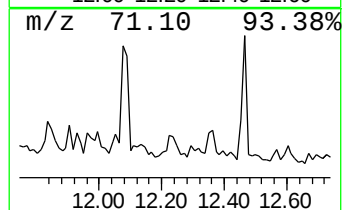
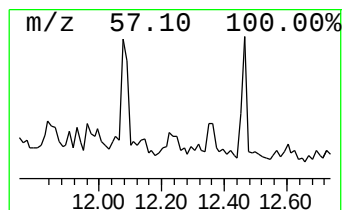
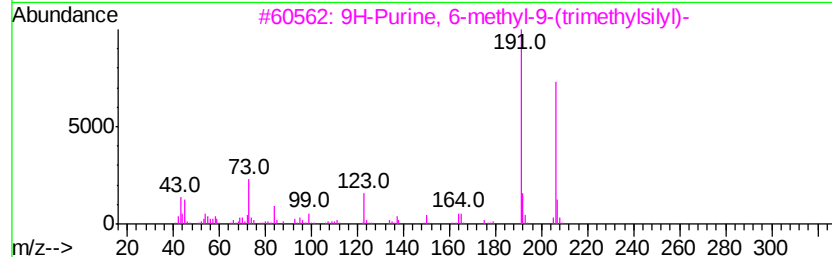
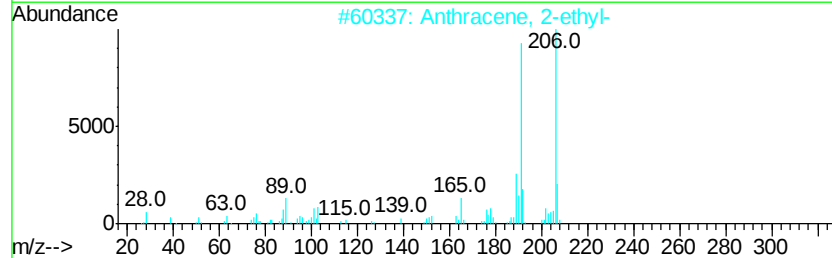
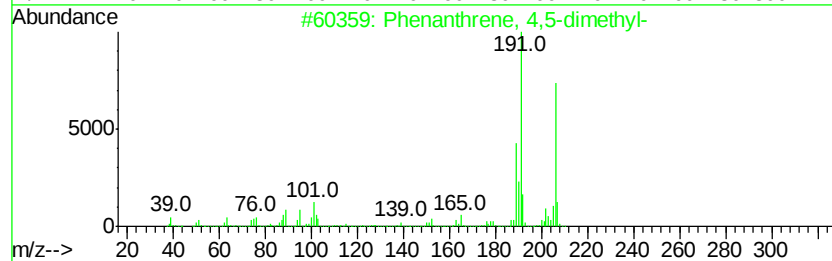
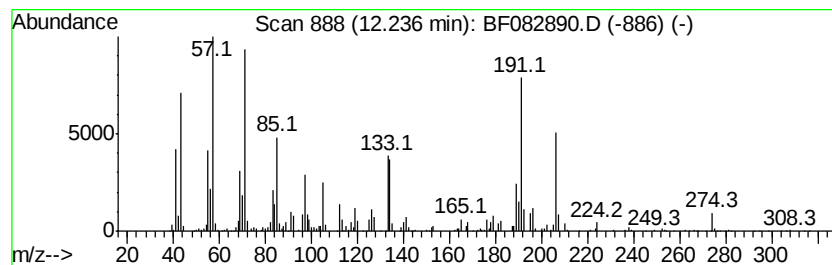
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	38.97 ng	2259520	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	56
2		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	38
3		9H-Purine, 6-methyl-9-(trimethyl...	206	C9H14N4Si	032865-79-5	30
4		Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	27
5		Hexadecane	226	C16H34	000544-76-3	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
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Misc :
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Instrument :
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ClientSampleId :
1050-BOTTOM

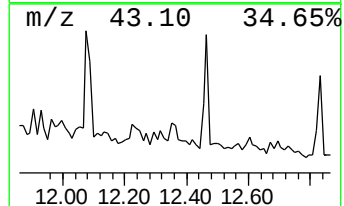
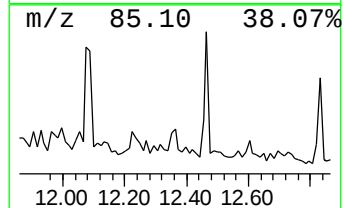
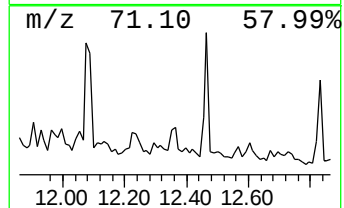
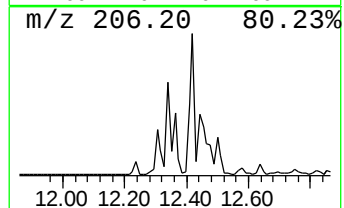
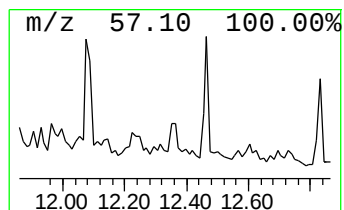
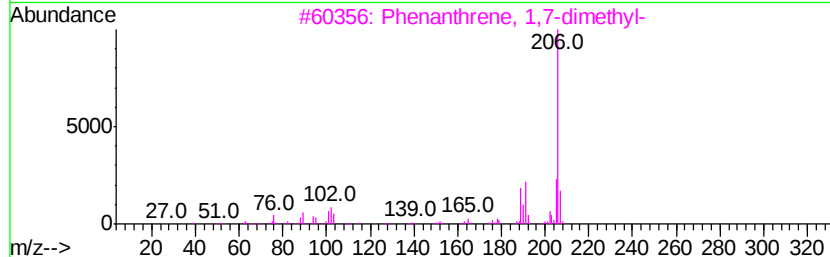
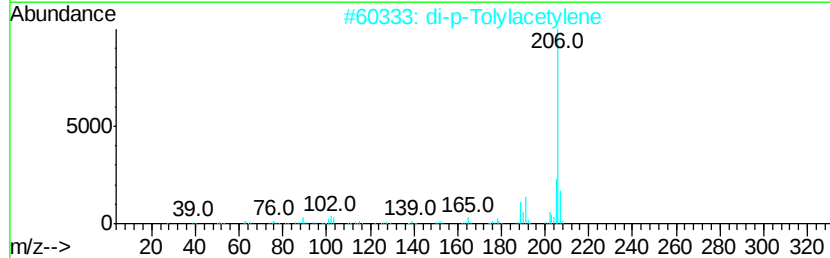
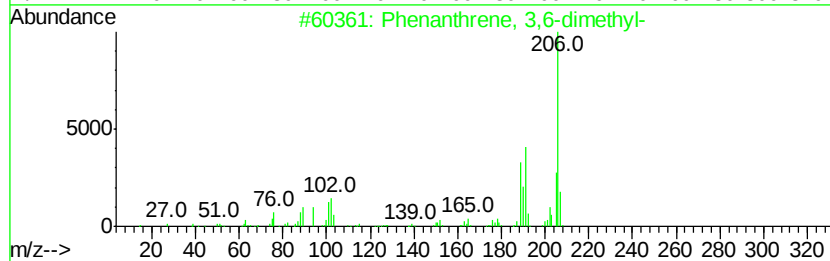
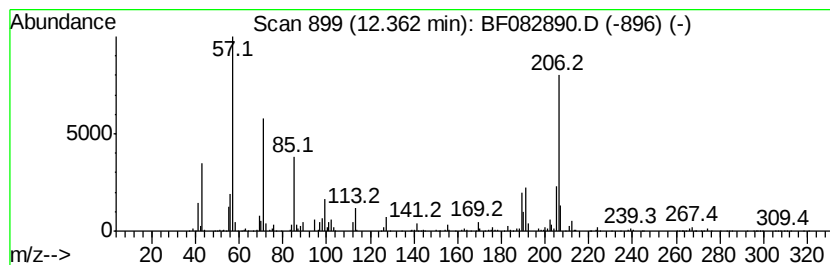
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	66.22 ng	3839700	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	83
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
5		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
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BNA_F
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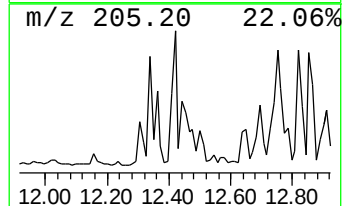
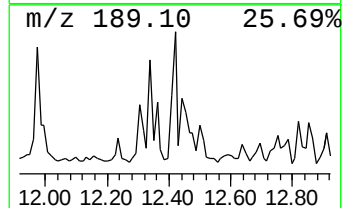
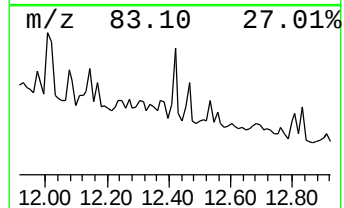
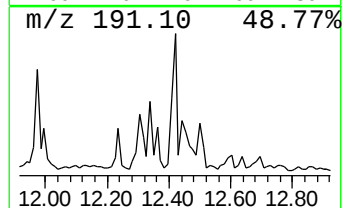
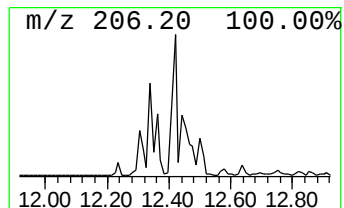
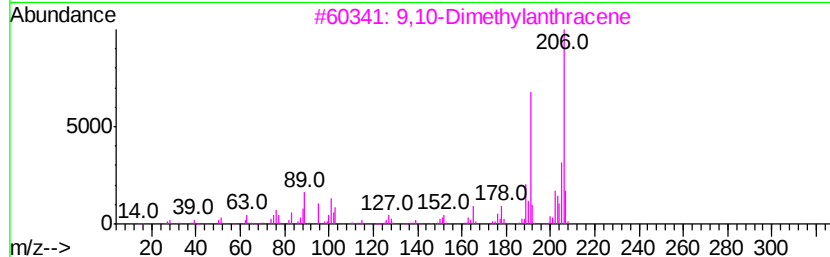
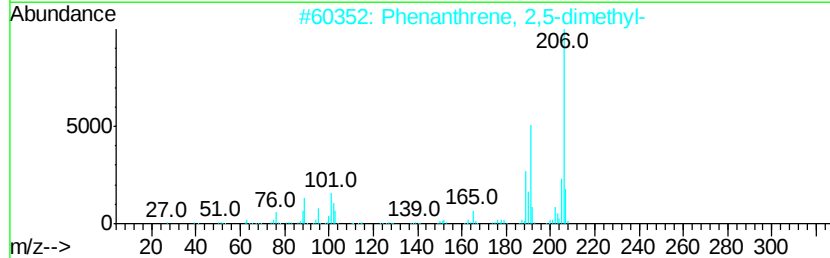
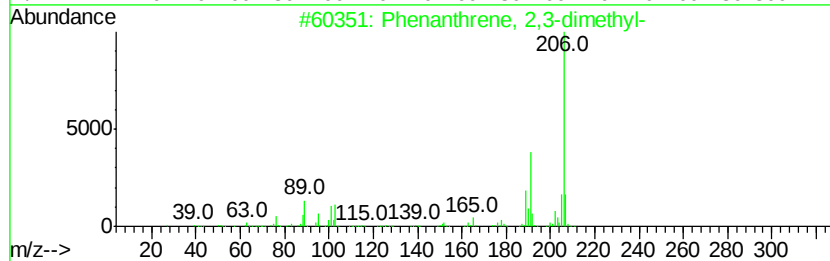
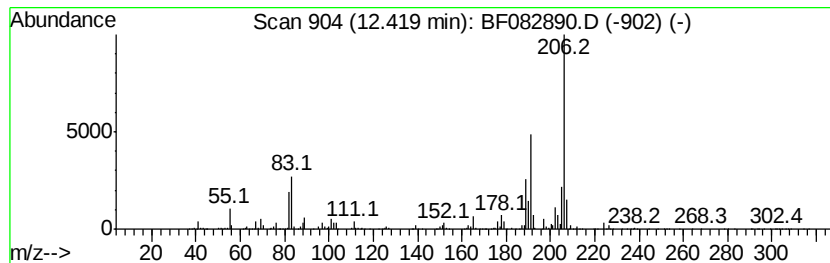
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	51.10 ng	2962850	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64



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Data File : BF082890.D
Acq On : 11 Nov 2015 1:07
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Misc :
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ClientSampleId :
1050-BOTTOM

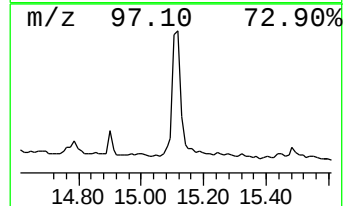
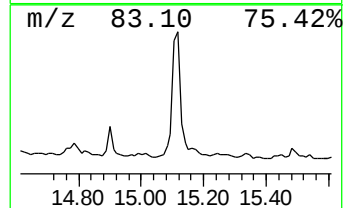
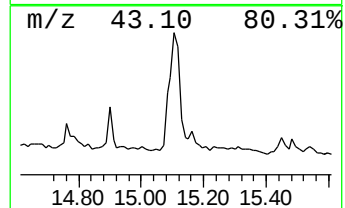
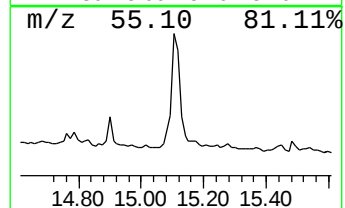
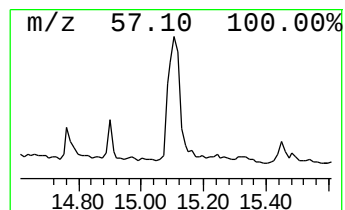
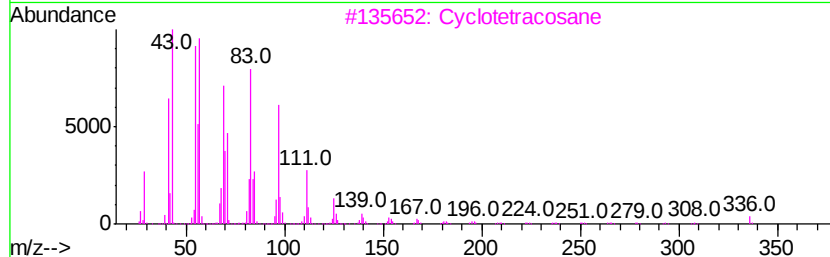
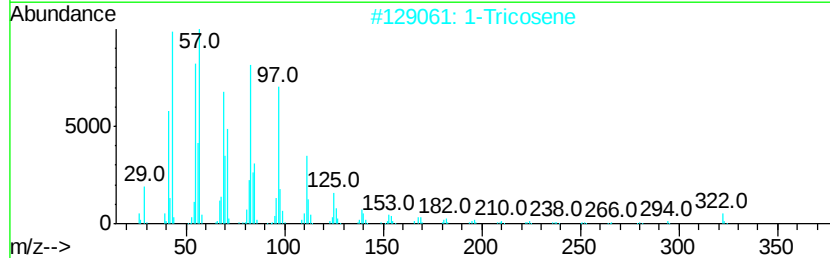
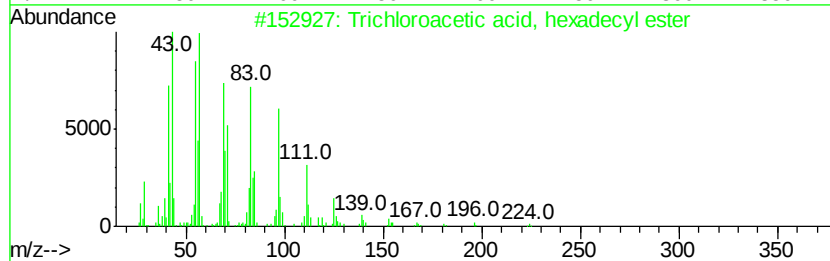
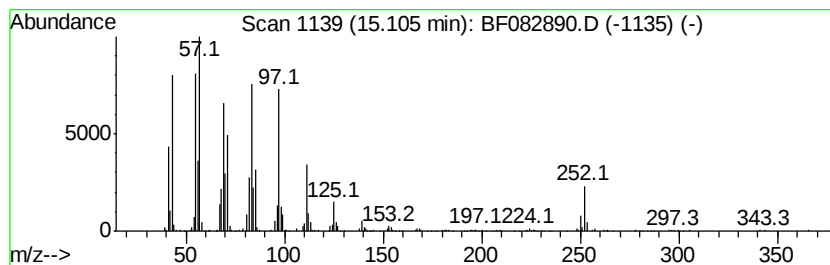
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Trichloroacetic acid, hexad... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	30.25 ng	1826490	Perylene-d12	15.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
2		1-Tricosene	322	C23H46	018835-32-0	90
3		Cyclotetracosane	336	C24H48	000297-03-0	90
4		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87
5		1-Heneicosyl formate	340	C22H44O2	077899-03-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111015\
 Data File : BF082890.D
 Acq On : 11 Nov 2015 1:07
 Operator : UM/IZ
 Sample : G4253-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1050-BOTTOM

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.99	43.6	ng	3017660	1	6.82	1384510	20.0
Nonane, 3-methyl-	8.54	42.7	ng	4708310	2	8.10	2205040	20.0
Tetradecane	8.72	29.2	ng	3218320	2	8.10	2205040	20.0
2-Bromo dodecane	10.56	45.9	ng	14010900	3	9.87	6103180	20.0
Dodecane, 2-methy...	10.83	376.1	ng	21811400	4	11.37	1159710	20.0
Dodecane, 2,6,11-...	11.00	110.0	ng	6380320	4	11.37	1159710	20.0
Dodecane, 2-methyl-	11.25	122.7	ng	7112280	4	11.37	1159710	20.0
Nonane, 3,7-dimet...	11.29	168.6	ng	9773880	4	11.37	1159710	20.0
Pentadecane, 8-he...	11.63	42.8	ng	2480140	4	11.37	1159710	20.0
Tetracosane	11.68	110.0	ng	6375410	4	11.37	1159710	20.0
Heptacosane	11.84	37.6	ng	2180790	4	11.37	1159710	20.0
Naphtho[2,3-b]nor...	11.97	119.6	ng	6932580	4	11.37	1159710	20.0
Dodecane, 1-iodo-	12.08	136.8	ng	7935330	4	11.37	1159710	20.0
Phenanthrene, 4,5...	12.24	39.0	ng	2259520	4	11.37	1159710	20.0
Phenanthrene, 3,6...	12.36	66.2	ng	3839700	4	11.37	1159710	20.0
Phenanthrene, 2,3...	12.42	51.1	ng	2962850	4	11.37	1159710	20.0
Trichloroacetic a...	15.11	30.3	ng	1826490	6	15.40	1207750	20.0