

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
 Data File : BF076834.D
 Acq On : 13 Jan 2015 7:37
 Operator : IZ / TP
 Sample : G1030-14
 Misc : S
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-2(4-6)

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-BF010915.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	4.253	274	277	287	rBV	90856	200623	3.52%	0.307%
2	5.167	354	357	365	rBV	364509	678000	11.89%	1.037%
3	7.488	557	560	565	rBV	439724	674774	11.83%	1.032%
4	7.579	565	568	574	rVB	423517	737472	12.93%	1.128%
5	8.082	609	612	616	rBV	130047	207451	3.64%	0.317%
6	8.402	637	640	644	rBV	312700	540791	9.48%	0.827%
7	9.373	722	725	729	rBV	281119	433194	7.60%	0.663%
8	10.996	863	867	869	rBV	180836	310070	5.44%	0.474%
9	11.042	869	871	874	rVB	166592	239872	4.21%	0.367%
10	13.648	1095	1099	1102	rBV	469337	784565	13.76%	1.200%
11	14.780	1194	1198	1201	rBV	110242	183222	3.21%	0.280%
12	15.134	1225	1229	1232	rBV	179167	306641	5.38%	0.469%
13	15.203	1232	1235	1239	rVB	344807	510352	8.95%	0.781%
14	15.625	1269	1272	1275	rBV	193058	288783	5.06%	0.442%
15	16.323	1330	1333	1336	rBV	411044	557045	9.77%	0.852%
16	16.711	1364	1367	1369	rVV	123190	146191	2.56%	0.224%
17	16.768	1369	1372	1376	rVV2	414907	675033	11.84%	1.032%
18	17.294	1415	1418	1420	rBV	86281	136523	2.39%	0.209%
19	17.580	1440	1443	1445	rVB	240250	303869	5.33%	0.465%
20	17.694	1449	1453	1456	rBV2	207134	333745	5.85%	0.510%
21	17.866	1465	1468	1469	rBV	211336	372444	6.53%	0.570%
22	17.911	1469	1472	1474	rVB	3507390	4789590	84.00%	7.325%
23	17.980	1474	1478	1480	rVB	792231	1226942	21.52%	1.877%
24	18.254	1499	1502	1504	rBV	442690	594812	10.43%	0.910%
25	18.597	1529	1532	1534	rBV	386080	459992	8.07%	0.704%
26	18.631	1534	1535	1539	rVV	443391	547559	9.60%	0.837%
27	18.700	1539	1541	1542	rVV	207704	235169	4.12%	0.360%
28	18.734	1542	1544	1546	rVV	553823	796715	13.97%	1.219%
29	18.769	1546	1547	1551	rVB	248539	278270	4.88%	0.426%
30	19.032	1567	1570	1573	rVV2	326217	605113	10.61%	0.925%
31	19.352	1595	1598	1600	rVV2	137422	268593	4.71%	0.411%
32	19.386	1600	1601	1603	rVV	104196	133571	2.34%	0.204%
33	19.443	1603	1606	1611	rVB2	144153	342548	6.01%	0.524%
34	19.546	1611	1615	1618	rBV	3675504	5701995	100.00%	8.721%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.614	1618	1621	1623	rVV2	51348	140159	2.46%	0.214%
36	19.649	1623	1624	1628	rVB3	88000	149302	2.62%	0.228%
37	19.717	1628	1630	1634	rBV3	172776	291577	5.11%	0.446%
38	19.832	1636	1640	1642	rVV	4050751	5094415	89.34%	7.791%
39	19.900	1644	1646	1648	rVV	184484	219070	3.84%	0.335%
40	20.003	1653	1655	1656	rVV	211545	369134	6.47%	0.565%
41	20.026	1656	1657	1659	rVB	274276	246945	4.33%	0.378%
42	20.072	1659	1661	1664	rBV2	528596	871650	15.29%	1.333%
43	20.129	1664	1666	1668	rVV	184378	257745	4.52%	0.394%
44	20.163	1668	1669	1672	rVV2	127966	142779	2.50%	0.218%
45	20.266	1672	1678	1680	rVB2	470344	903103	15.84%	1.381%
46	20.346	1683	1685	1687	rBV	330564	414943	7.28%	0.635%
47	20.392	1687	1689	1694	rVV3	284531	691729	12.13%	1.058%
48	20.495	1694	1698	1700	rVV3	170011	325018	5.70%	0.497%
49	20.529	1700	1701	1703	rVV	112158	164971	2.89%	0.252%
50	20.643	1709	1711	1713	rBV	113000	138536	2.43%	0.212%
51	20.780	1718	1723	1724	rBV3	115991	250242	4.39%	0.383%
52	20.815	1724	1726	1728	rVB2	103222	165186	2.90%	0.253%
53	20.906	1731	1734	1737	rVB	354735	492537	8.64%	0.753%
54	21.032	1742	1745	1747	rBV	389515	517178	9.07%	0.791%
55	21.077	1747	1749	1751	rVV2	346003	515862	9.05%	0.789%
56	21.123	1751	1753	1755	rVB2	231393	283456	4.97%	0.434%
57	21.169	1755	1757	1760	rVB	404664	509868	8.94%	0.780%
58	21.249	1760	1764	1766	rVB	116972	185926	3.26%	0.284%
59	21.352	1767	1773	1774	rBV	1942657	3213480	56.36%	4.915%
60	21.397	1774	1777	1778	rVV2	1869511	2807599	49.24%	4.294%
61	21.420	1778	1779	1782	rVB3	107479	158437	2.78%	0.242%
62	21.477	1782	1784	1787	rBV	435269	498564	8.74%	0.763%
63	21.535	1787	1789	1790	rBV2	82906	129049	2.26%	0.197%
64	21.603	1793	1795	1798	rVB	286260	436165	7.65%	0.667%
65	21.660	1798	1800	1802	rBV	265441	378171	6.63%	0.578%
66	21.786	1810	1811	1814	rVV2	110232	175412	3.08%	0.268%
67	21.843	1814	1816	1818	rVV	305710	486678	8.54%	0.744%
68	21.889	1818	1820	1822	rVV2	162248	204317	3.58%	0.312%
69	21.958	1822	1826	1827	rVV2	111901	256056	4.49%	0.392%
70	21.992	1827	1829	1833	rVV3	132747	379564	6.66%	0.581%
71	22.049	1833	1834	1837	rVB2	103032	136276	2.39%	0.208%

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72	22.106	1837	1839	1842	rVB	140093	193807	3.40%	0.296%
73	22.232	1846	1850	1852	rBV3	174677	328850	5.77%	0.503%
74	22.438	1864	1868	1871	rVV2	86334	211498	3.71%	0.323%
75	22.620	1880	1884	1889	rBV	1608857	3967779	69.59%	6.068%
76	22.723	1889	1893	1895	rVB2	426984	583468	10.23%	0.892%
77	22.838	1900	1903	1907	rBV2	138719	495656	8.69%	0.758%
78	22.918	1907	1910	1913	rVV	998588	1437179	25.20%	2.198%
79	22.986	1913	1916	1918	rVV	1504120	2023449	35.49%	3.095%
80	23.032	1918	1920	1921	rVV2	233745	298273	5.23%	0.456%
81	23.066	1921	1923	1925	rVV	534741	684990	12.01%	1.048%
82	23.101	1925	1926	1929	rVV3	85746	139960	2.45%	0.214%
83	23.215	1932	1936	1938	rBV5	104070	302956	5.31%	0.463%
84	23.318	1942	1945	1947	rBV3	99297	223647	3.92%	0.342%
85	23.512	1960	1962	1964	rVB	109439	138767	2.43%	0.212%
86	23.626	1970	1972	1977	rVB2	72924	134452	2.36%	0.206%
87	23.969	1997	2002	2007	rBV6	121636	455521	7.99%	0.697%
88	24.072	2007	2011	2017	rBV2	200328	498657	8.75%	0.763%
89	24.198	2017	2022	2025	rBV2	739203	1447149	25.38%	2.213%
90	24.323	2030	2033	2034	rBV	199476	311302	5.46%	0.476%
91	24.358	2034	2036	2039	rVB3	127226	208232	3.65%	0.318%
92	24.506	2045	2049	2052	rBV	594442	1001535	17.56%	1.532%
93	24.655	2058	2062	2069	rVB3	187083	507222	8.90%	0.776%
94	25.032	2092	2095	2100	rVB2	51383	130101	2.28%	0.199%
95	25.169	2101	2107	2113	rBV5	60462	302888	5.31%	0.463%
96	26.061	2177	2185	2191	rBV	180708	711342	12.48%	1.088%
97	26.187	2191	2196	2200	rBV	126814	423479	7.43%	0.648%
98	26.621	2231	2234	2240	rVB3	40076	137923	2.42%	0.211%
99	26.884	2247	2257	2264	rBV2	130887	718916	12.61%	1.100%
100	27.009	2264	2268	2272	rVB	58913	162910	2.86%	0.249%

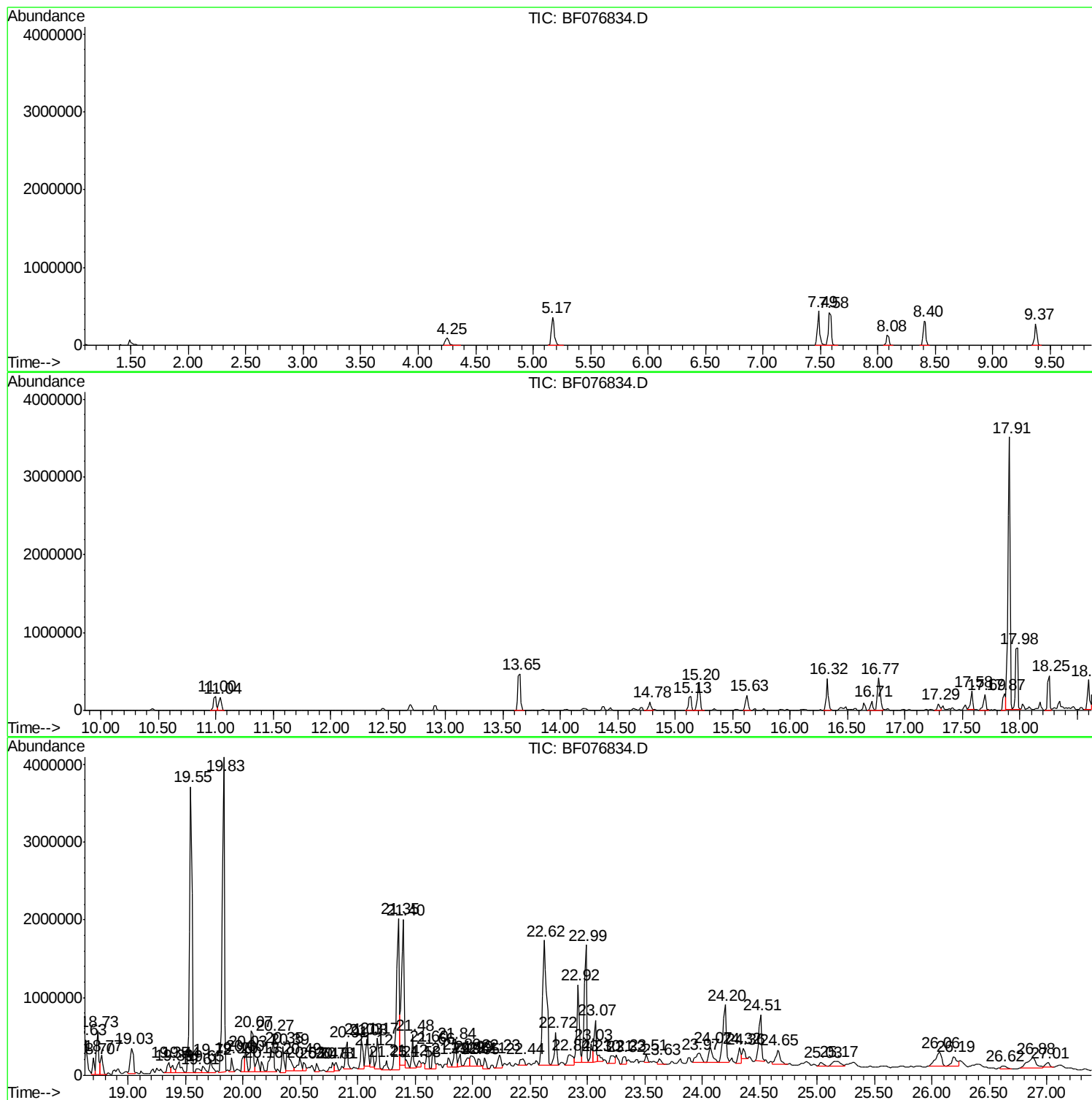
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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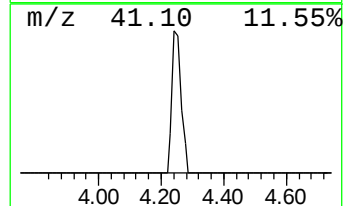
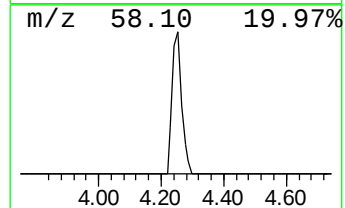
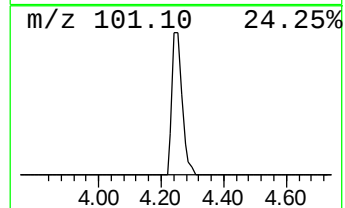
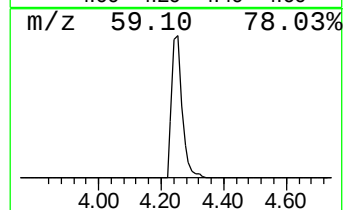
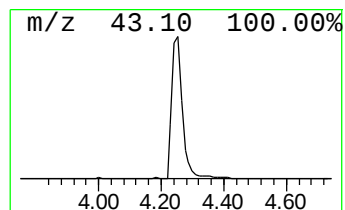
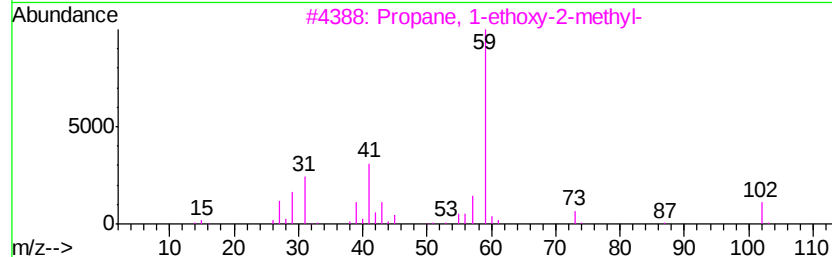
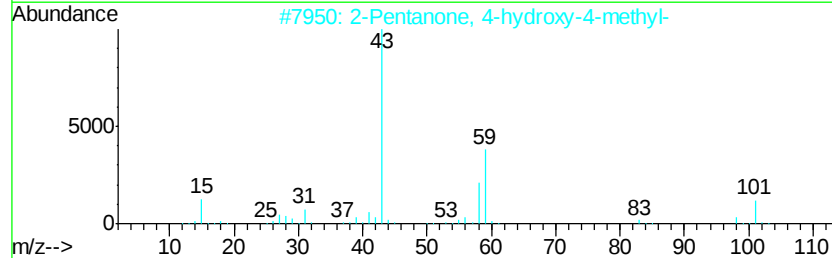
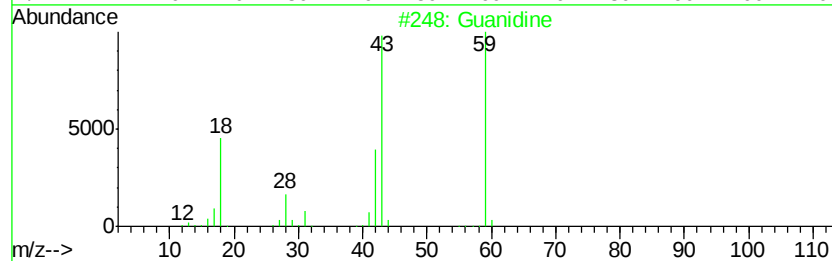
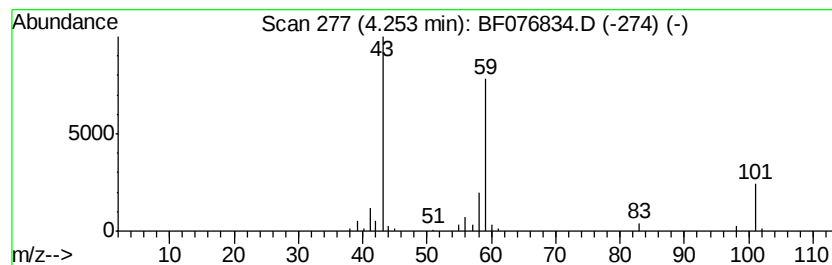
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Guanidine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	19.34 ng	200623	1,4-Dichlorobenzene-d4	8.08

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guanidine		59	CH5N3	000113-00-8	50
2	2-Pentanone, 4-hydroxy-4-methyl-		116	C6H12O2	000123-42-2	42
3	Propane, 1-ethoxy-2-methyl-		102	C6H14O	000627-02-1	37
4	3-Hydroxy-3-methyl-2-butanone		102	C5H10O2	000115-22-0	37
5	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	33



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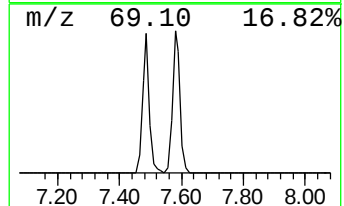
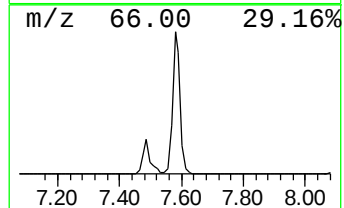
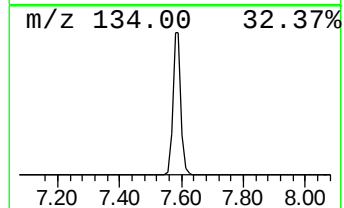
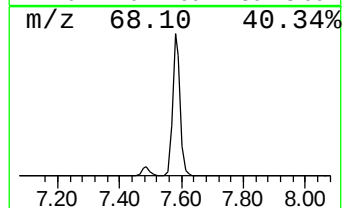
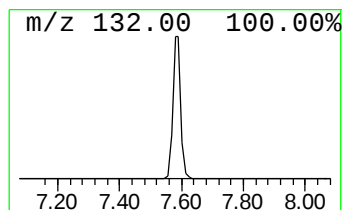
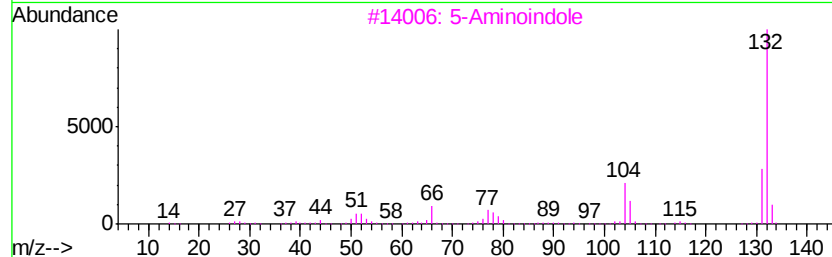
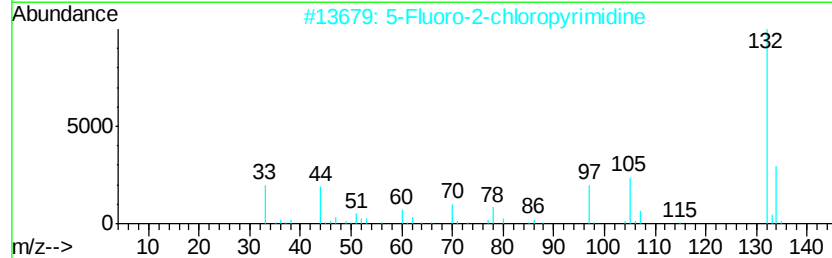
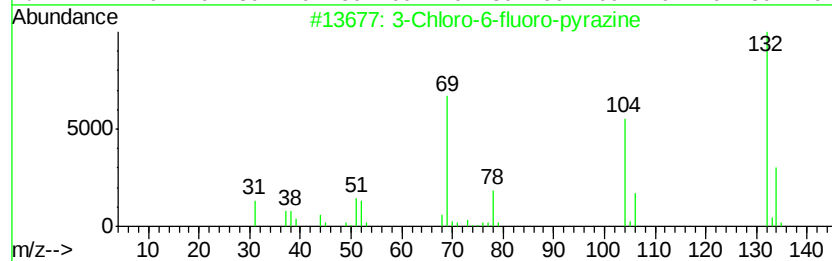
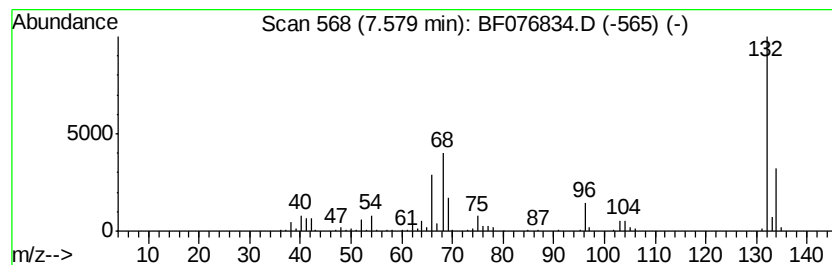
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	71.10 ng	737472	1,4-Dichlorobenzene-d4	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	10
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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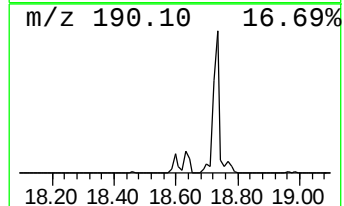
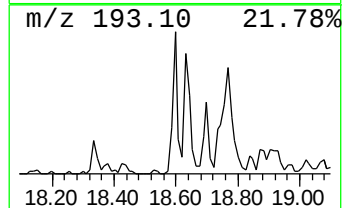
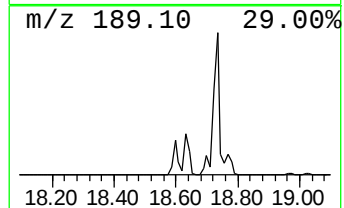
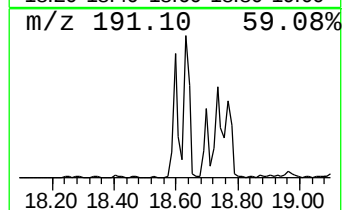
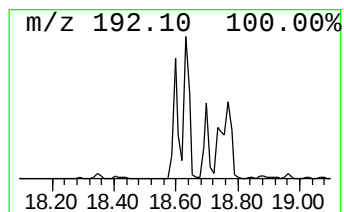
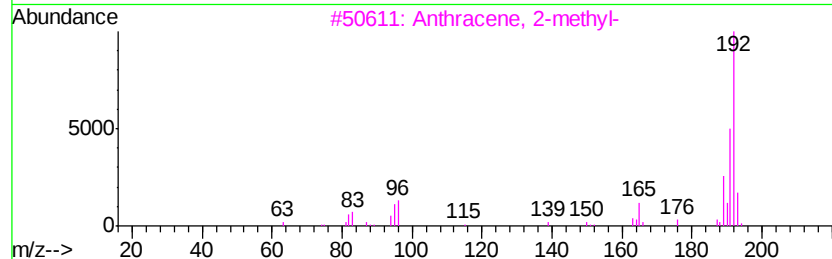
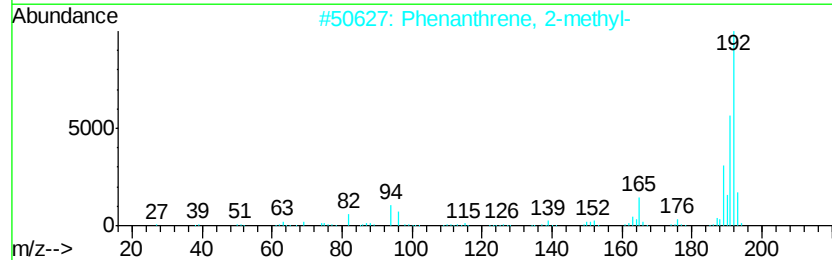
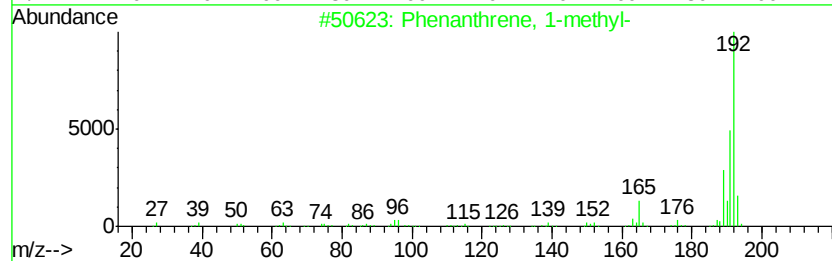
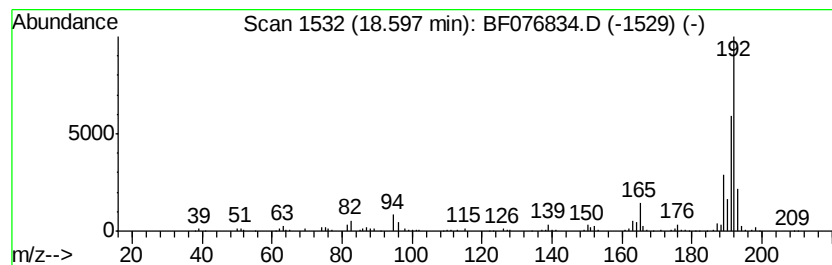
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	24.70 ng	459992	Phenanthrene-d10	17.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076834.D
Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
Sample : G1030-14
Misc : S
ALS Vial : 27 Sample Multiplier: 1

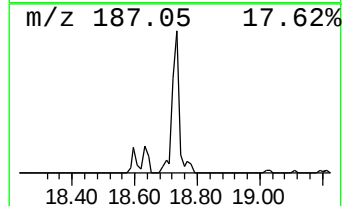
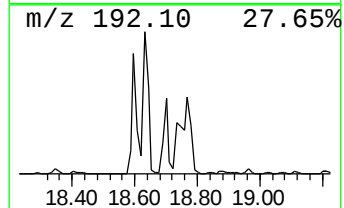
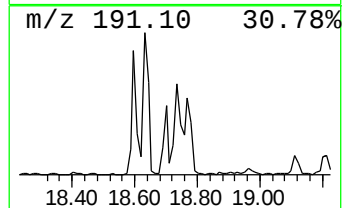
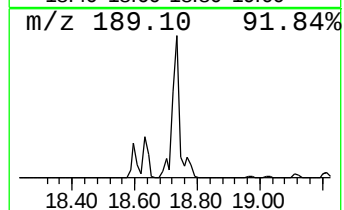
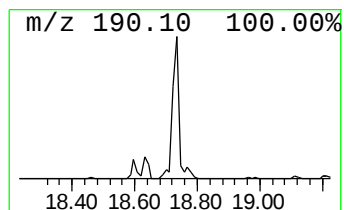
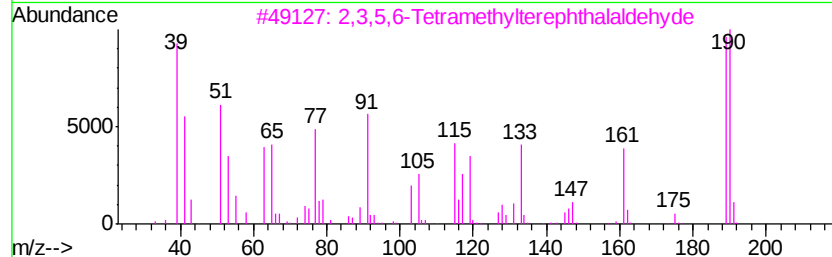
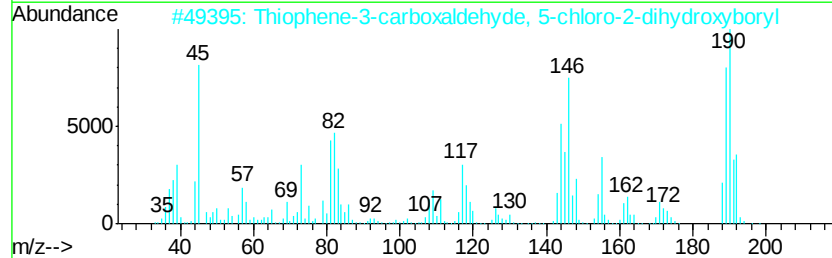
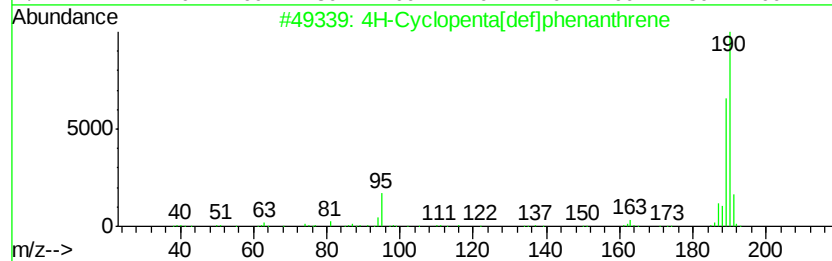
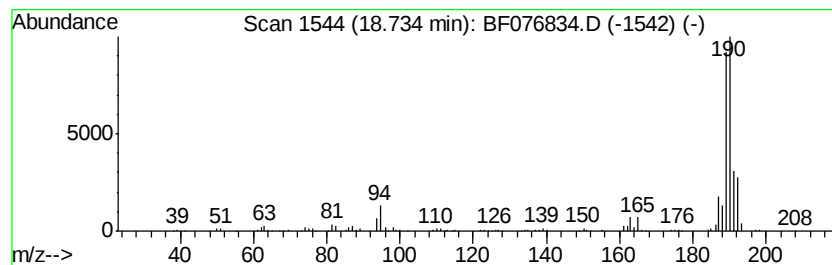
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TP5-SS-2(4-6)

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.73	42.78 ng	796715	Phenanthrene-d10	17.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076834.D
Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
Sample : G1030-14
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ClientSampleId :
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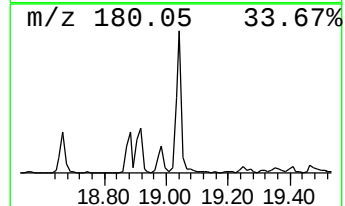
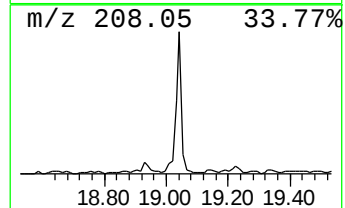
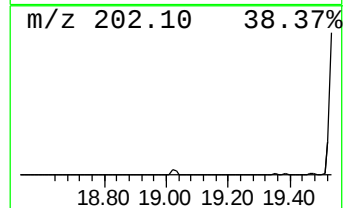
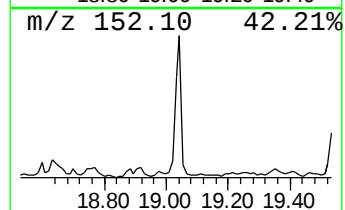
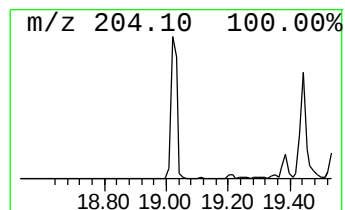
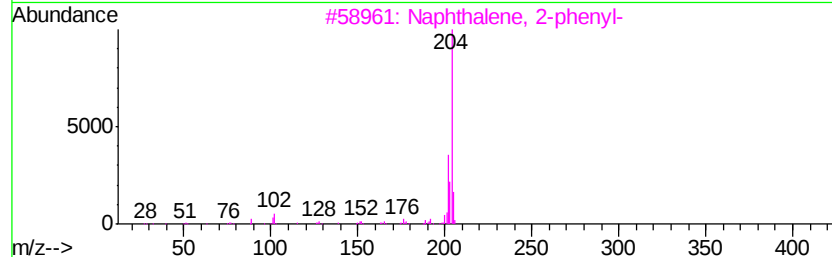
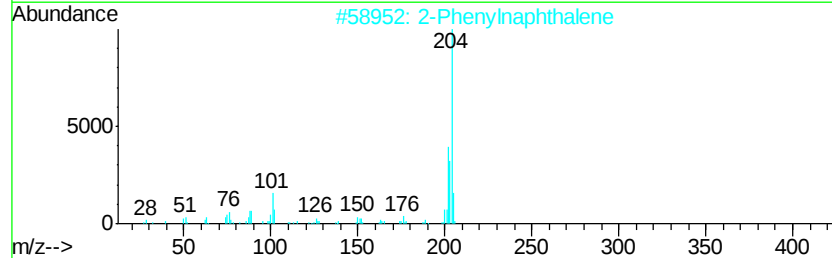
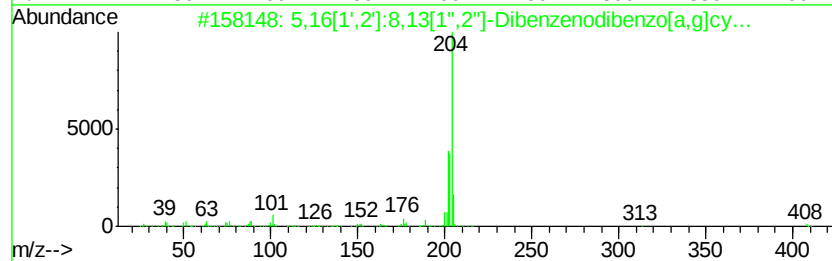
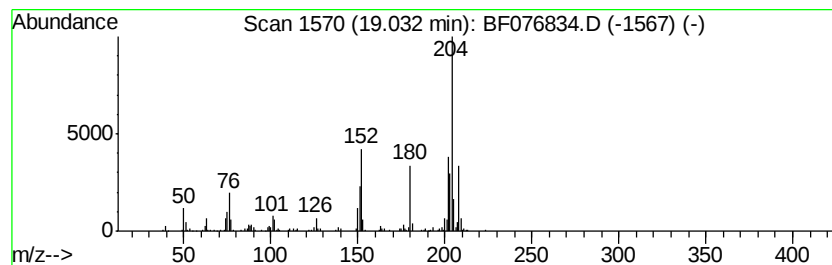
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown19.03 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	32.49 ng	605113	Phenanthrene-d10	17.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	46
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	42
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	30
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
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Operator : IZ / TP
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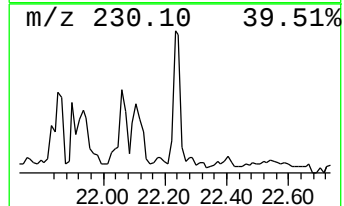
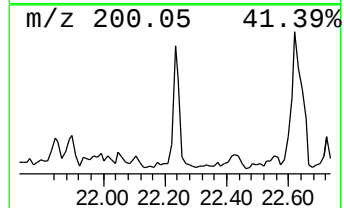
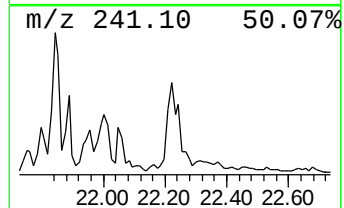
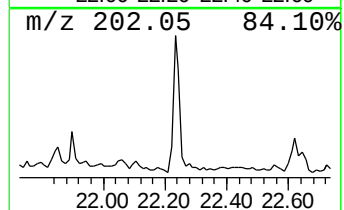
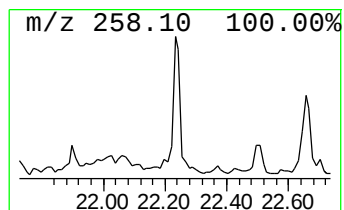
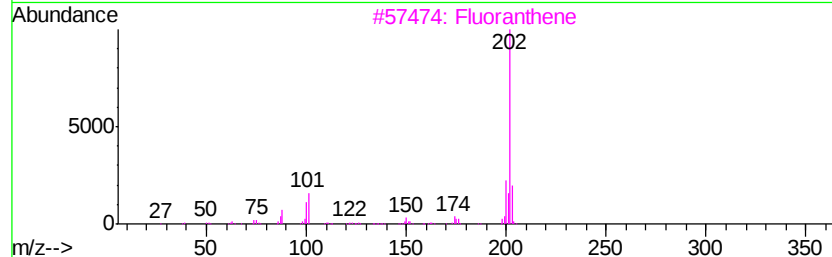
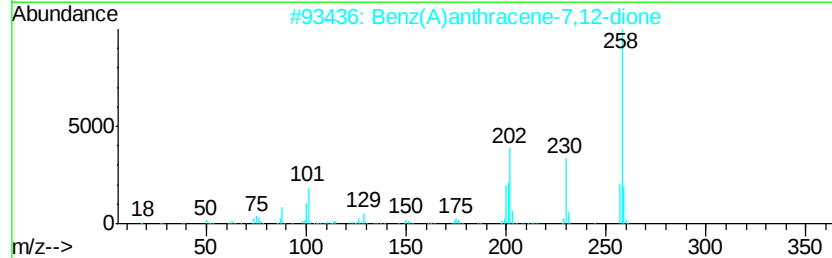
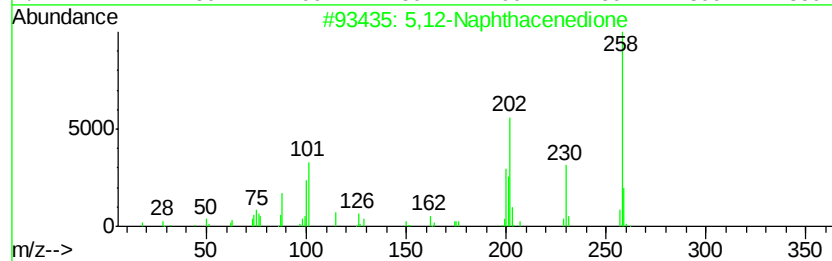
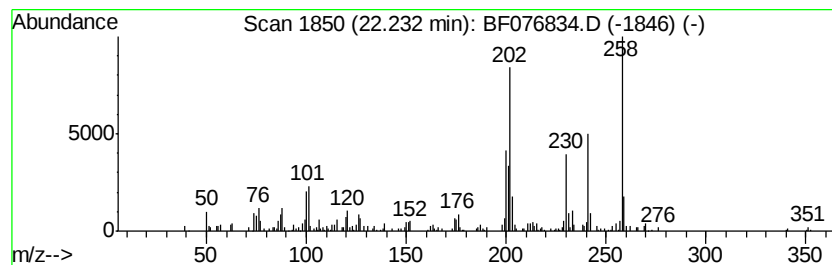
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 5,12-Naphthacenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	22.05 ng	328850	Perylene-d12	23.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3		Fluoranthene	202	C16H10	000206-44-0	74
4		Pvrene	202	C16H10	000129-00-0	72
5		3H-Xanthen-3-one, 2,6,7-trihydro...	258	C14H10O5	005407-46-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
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Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
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ClientSampleId :
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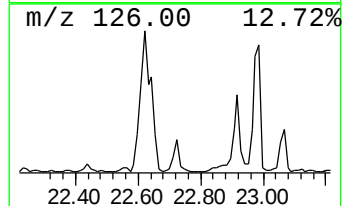
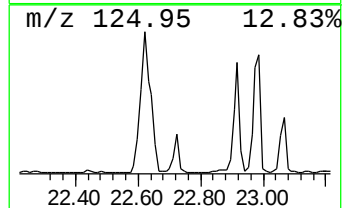
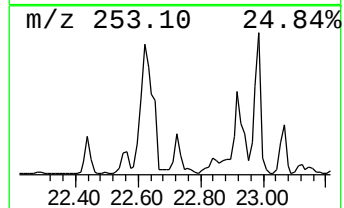
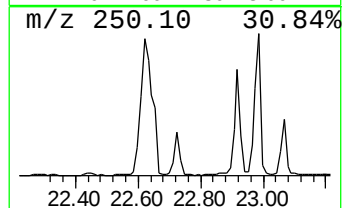
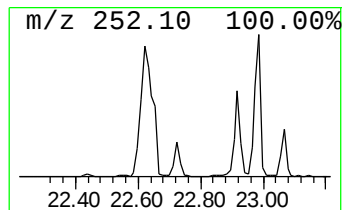
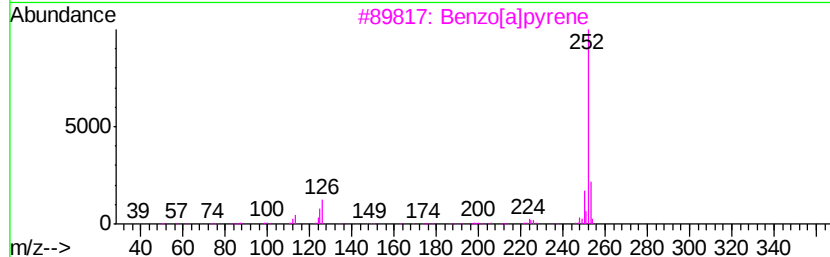
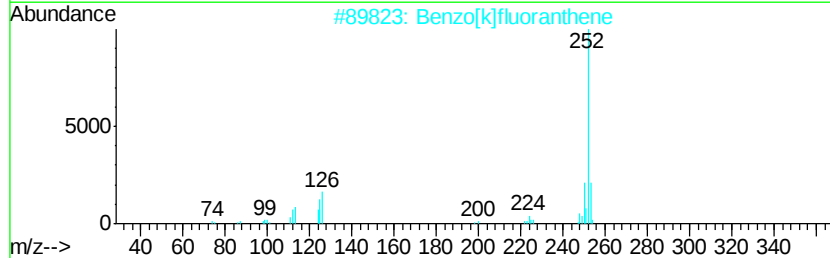
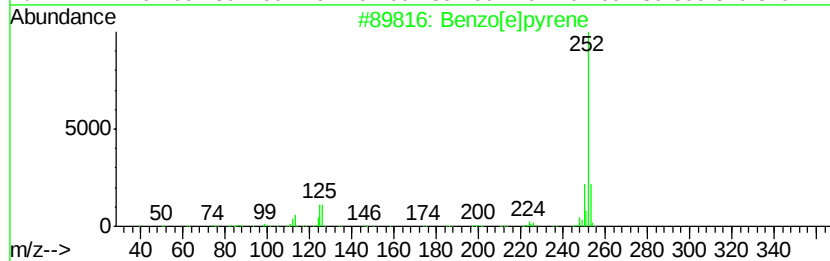
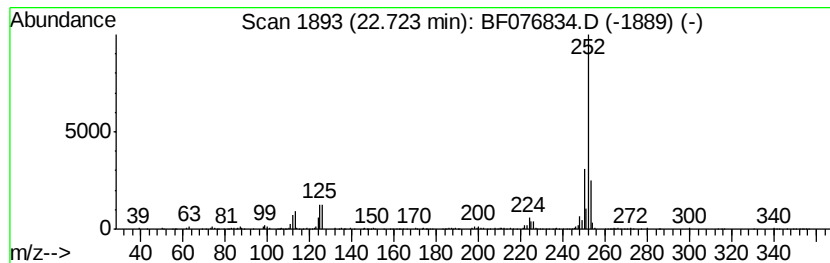
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.72	39.12 ng	583468	Perylene-d12	23.03

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Perylene	252	C20H12	000198-55-0	95
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076834.D
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ALS Vial : 27 Sample Multiplier: 1

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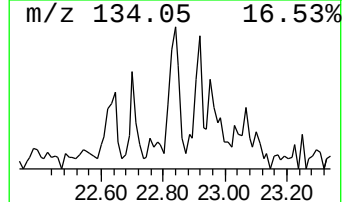
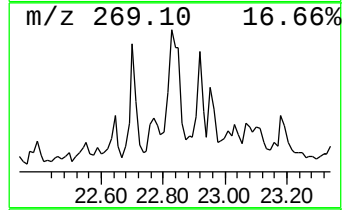
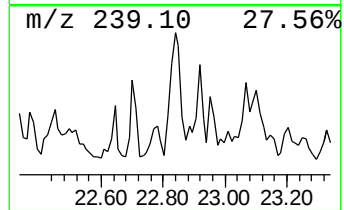
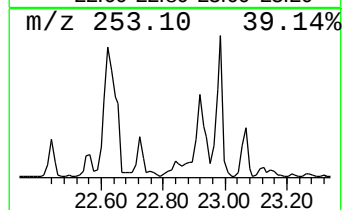
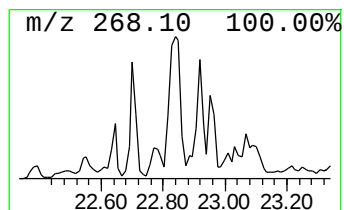
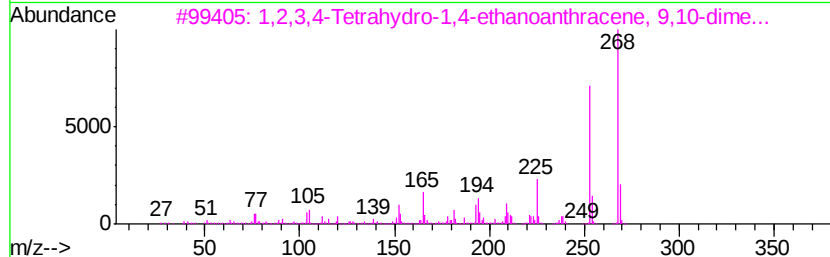
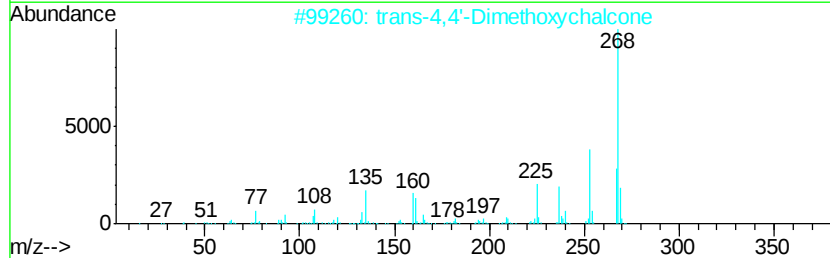
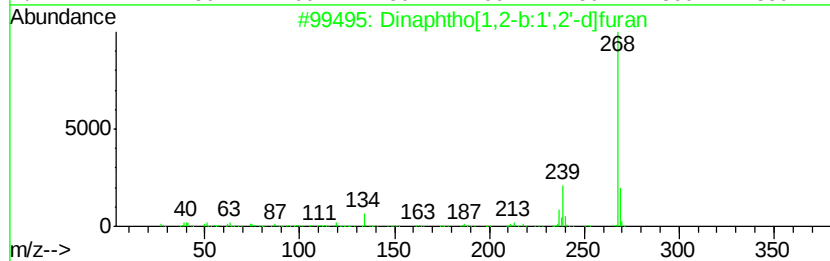
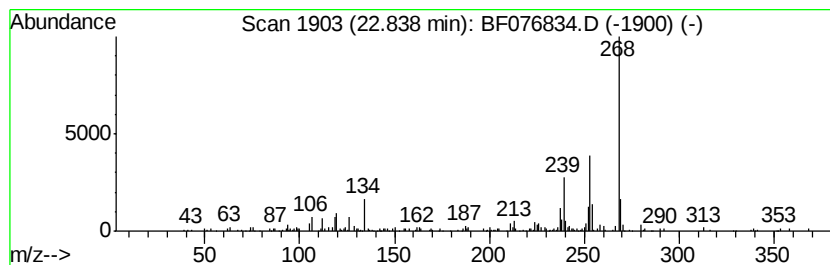
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	33.24 ng	495656	Perylene-d12	23.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	83
2		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	64
3		1,2,3,4-Tetrahydro-1,4-ethanoant...	268	C18H20O2	177205-54-8	59
4		3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-...	268	C17H20N2O	080249-75-8	50
5		Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
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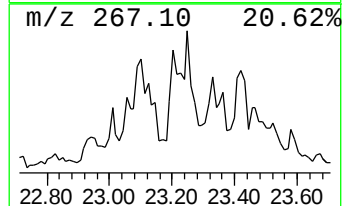
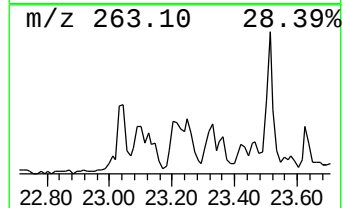
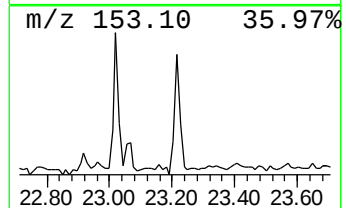
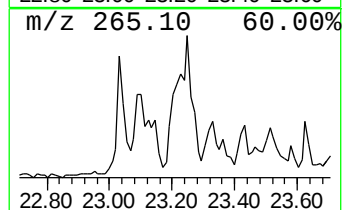
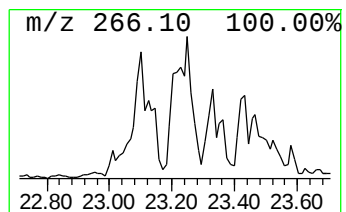
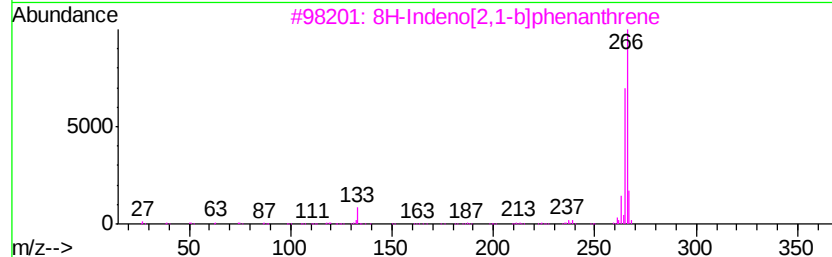
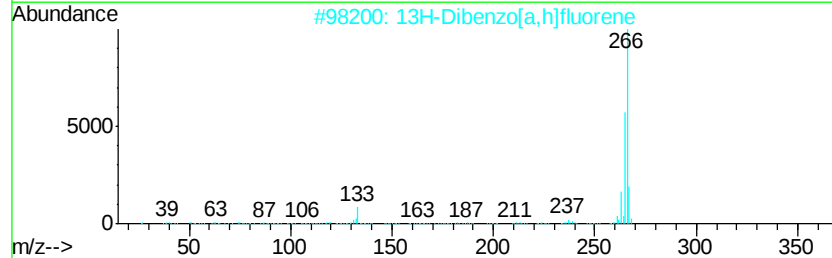
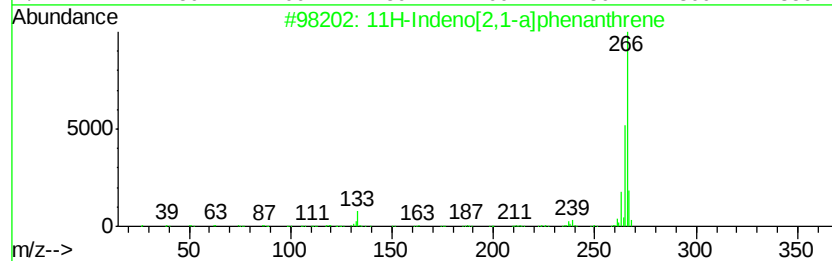
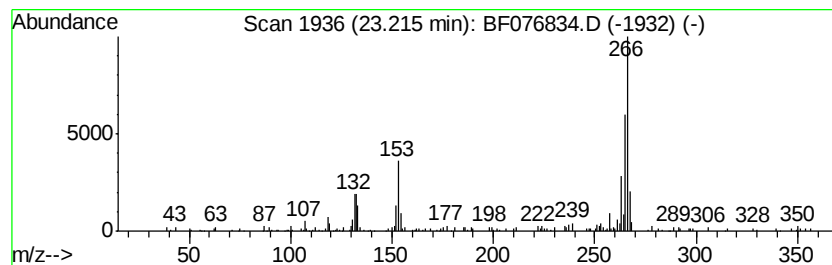
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Indeno[2,1-a]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
23.21	20.31 ng	302956	Perylene-d12	23.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	70
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	70
3		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	64
4		Furazano[3,4-a]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	58
5		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
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Acq On : 13 Jan 2015 7:37
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ClientSampleId :
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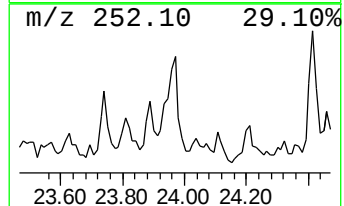
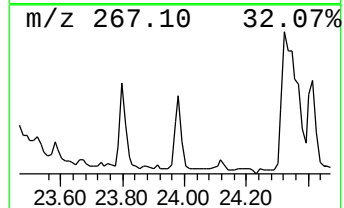
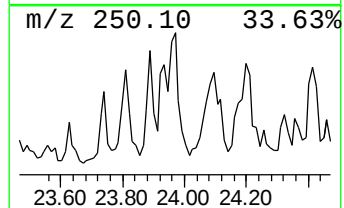
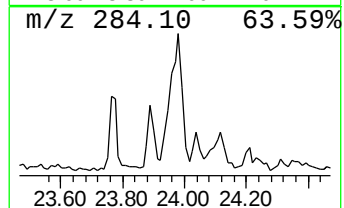
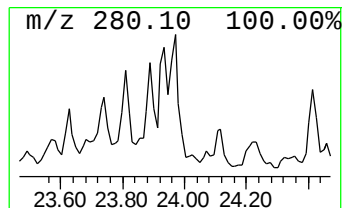
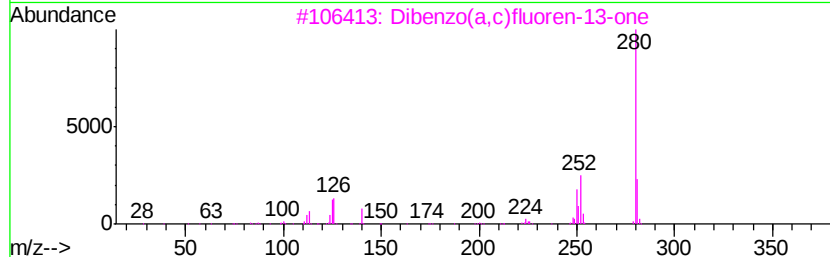
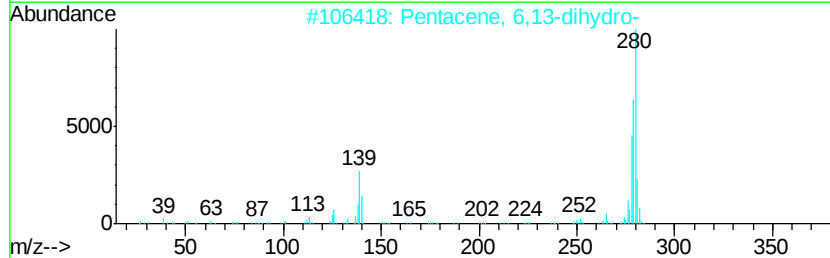
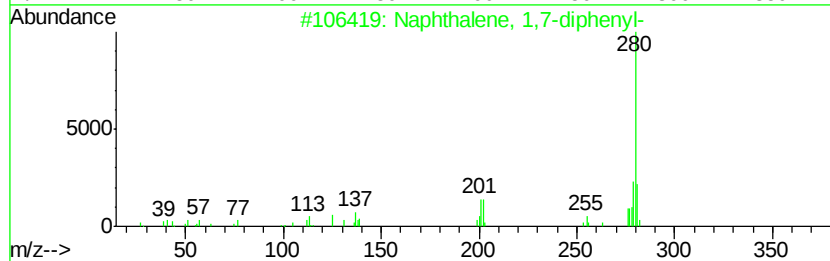
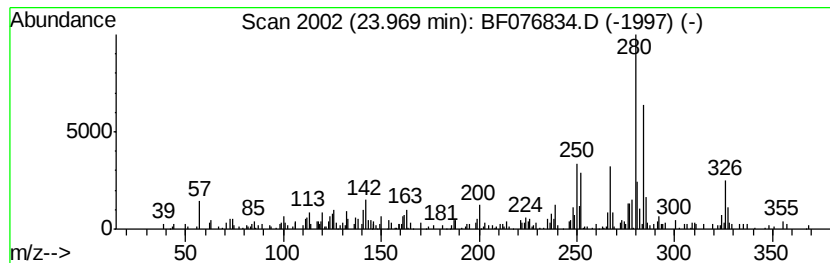
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,7-diphenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.97	30.54 ng	455521	Perylene-d12	23.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	50
2			Pentacene, 6,13-dihydro-	280	C22H16	013579-08-3	50
3			Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	46
4			Isoquinoline, 3,4-dihydro-1-[2-n...	326	C18H18N2O4	1000128-78-8	46
5			Benzene, 1,2-bis(2-pyridin-2-yle...	280	C20H12N2	350587-04-1	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076834.D
Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
Sample : G1030-14
Misc : S
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-2(4-6)

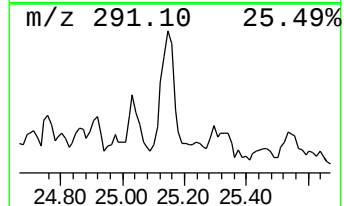
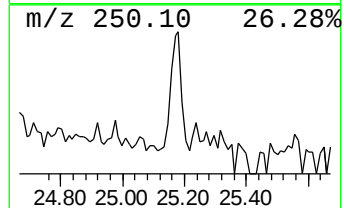
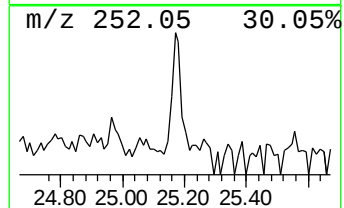
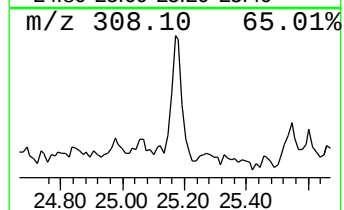
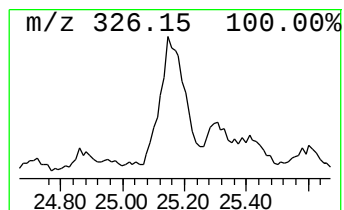
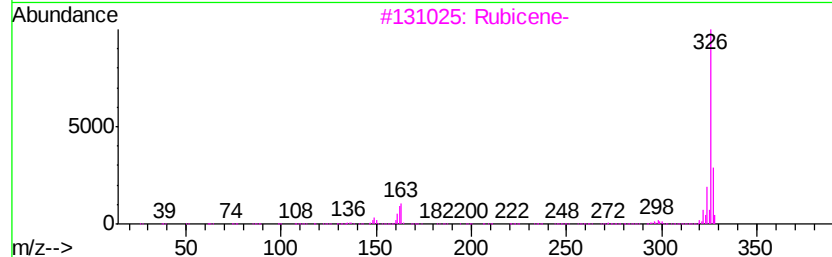
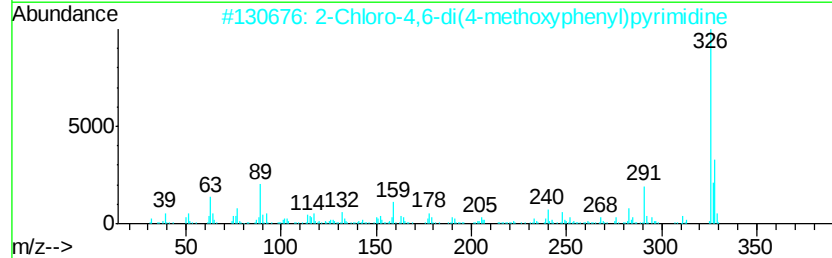
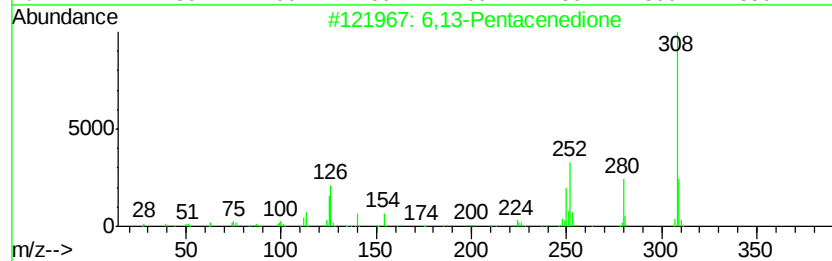
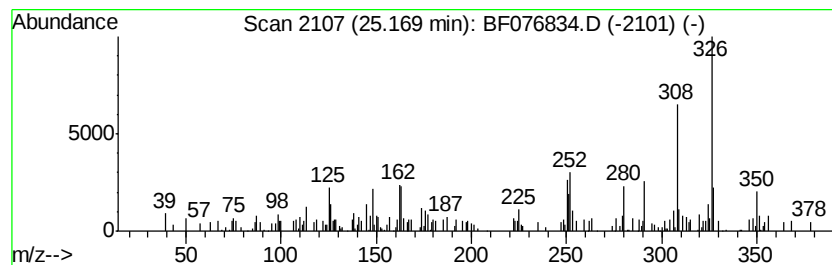
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown25.17 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.17	20.31 ng	302888	Perylene-d12	23.03

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,13-Pentacenedione			308	C22H12O2	003029-32-1	42
2	2-Chloro-4,6-di(4-methoxyphenyl)...			326	C18H15ClN2O2	063673-72-3	38
3	Rubicene-			326	C26H14	000197-61-5	38
4	Dihydroxymethyl tribenzocentrotr...			326	C23H18O2	350981-69-0	35
5	5,7-Dimethoxy-3-(3,4-methylenedi...			326	C18H14O6	022044-59-3	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076834.D
Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
Sample : G1030-14
Misc : S
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-2(4-6)

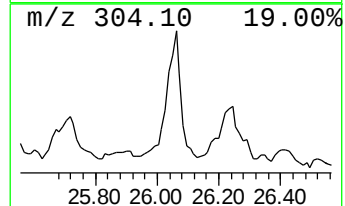
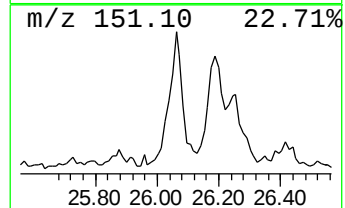
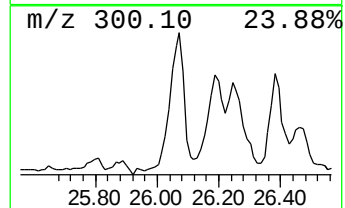
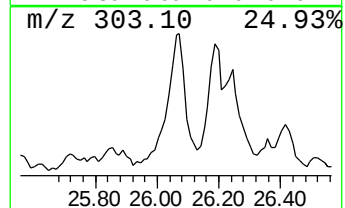
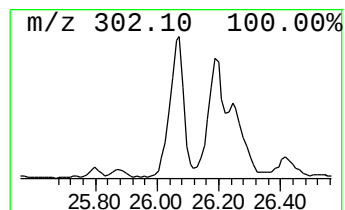
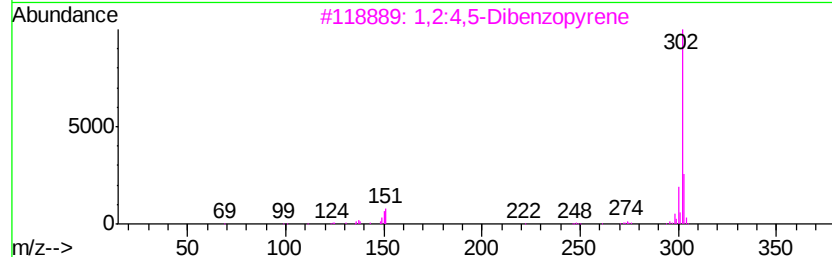
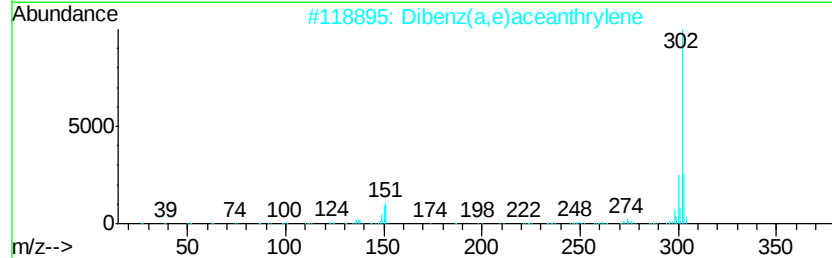
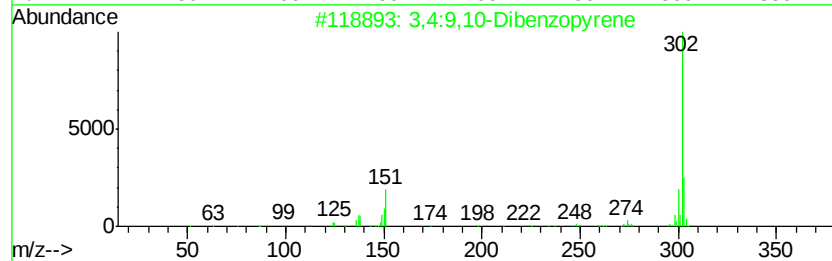
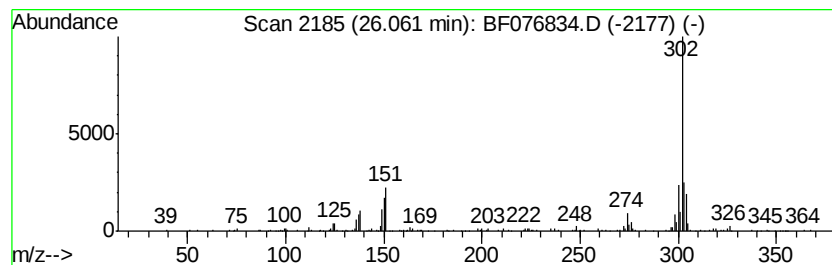
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3,4:9,10-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.06	47.70 ng	711342	Perylene-d12	23.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076834.D
Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
Sample : G1030-14
Misc : S
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-2(4-6)

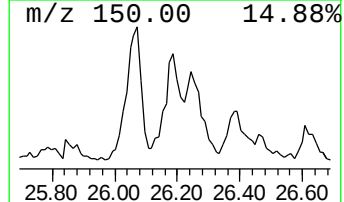
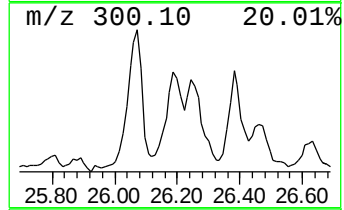
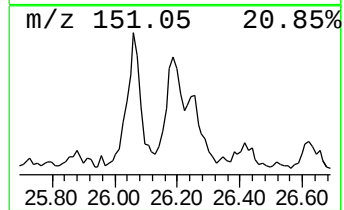
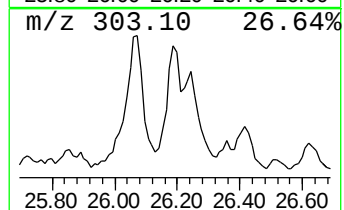
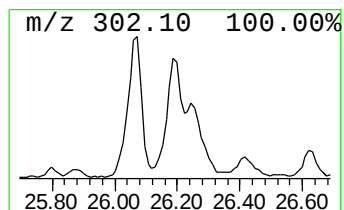
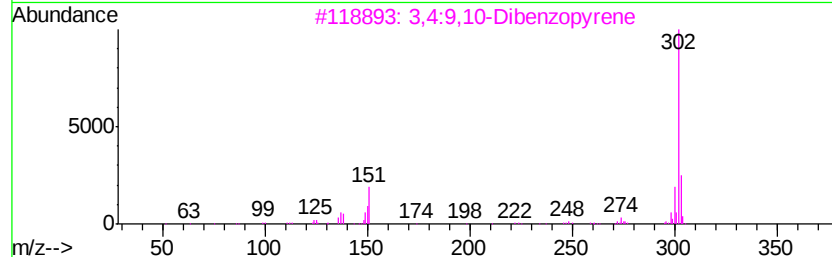
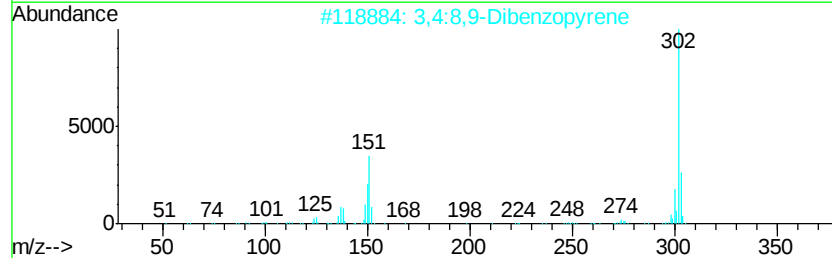
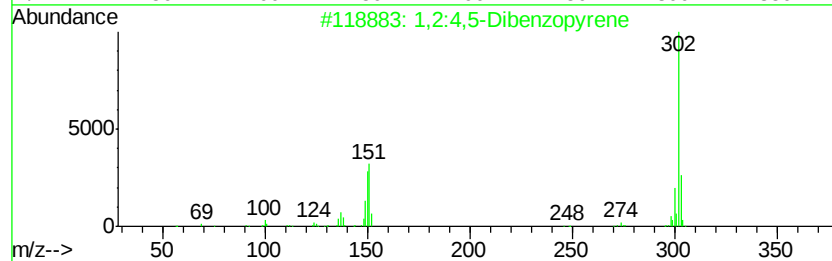
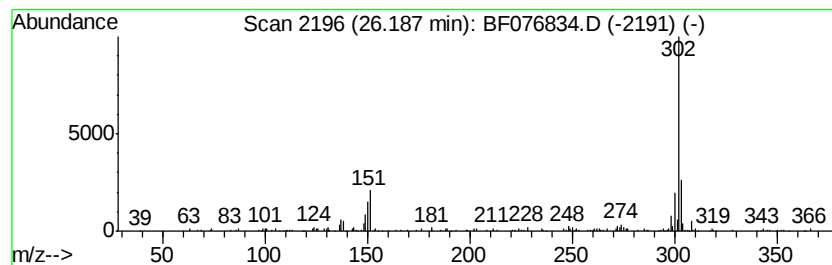
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.19	28.40 ng	423479	Perylene-d12	23.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94
3		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	94
4		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	70
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076834.D
Acq On : 13 Jan 2015 7:37
Operator : IZ / TP
Sample : G1030-14
Misc : S
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-2(4-6)

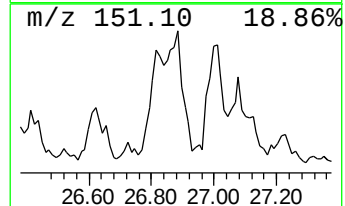
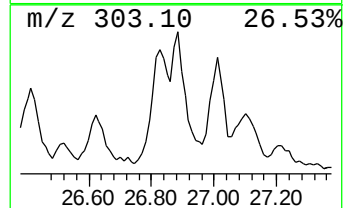
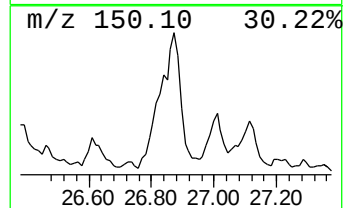
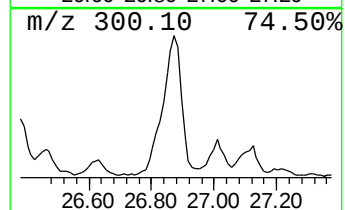
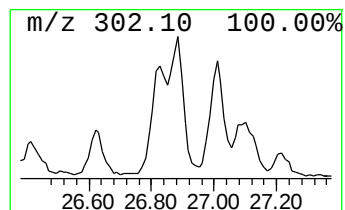
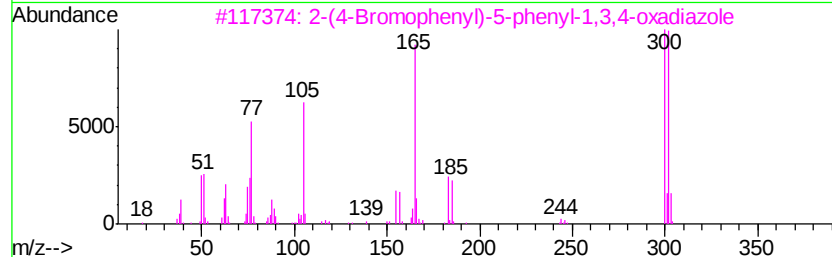
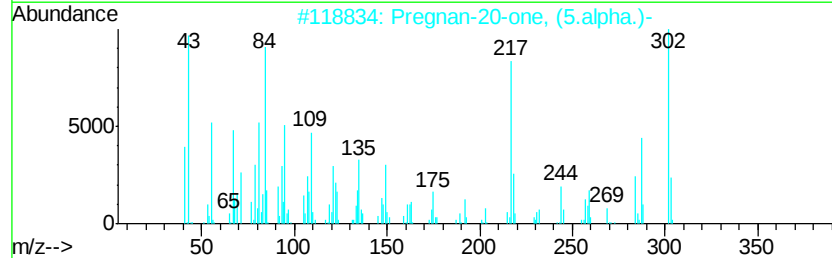
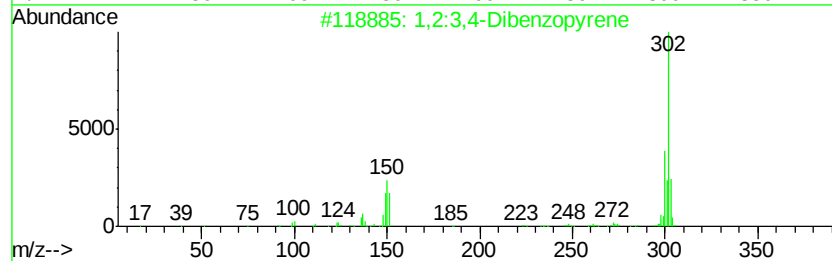
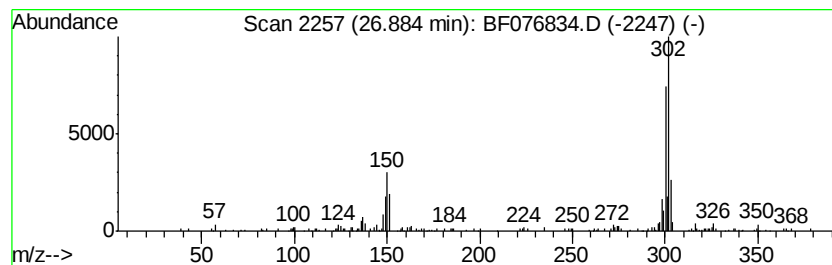
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:3,4-Dibenzopyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.88	48.21 ng	718916	Perylene-d12	23.03

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	89
2		Pregnan-20-one, (5.alpha.)-	302	C21H34O	000848-62-4	83
3		2-(4-Bromophenyl)-5-phenyl-1,3,4...	300	C14H9BrN2O	021510-43-0	64
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
5		Cobalt, [(1,2,5,6-.eta.)-1,5-cyc...	302	C18H27Co	082595-75-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
 Data File : BF076834.D
 Acq On : 13 Jan 2015 7:37
 Operator : IZ / TP
 Sample : G1030-14
 Misc : S
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-2(4-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.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
Guanidine	4.25	19.3	ng	200623	1	8.08	207451	20.0
unknown7.58	7.58	71.1	ng	737472	1	8.08	207451	20.0
Phenanthrene, 1-m...	18.60	24.7	ng	459992	4	17.87	372444	20.0
4H-Cyclopenta[def...	18.73	42.8	ng	796715	4	17.87	372444	20.0
unknown19.03	19.03	32.5	ng	605113	4	17.87	372444	20.0
5,12-Naphthacened...	22.23	22.1	ng	328850	6	23.03	298273	20.0
Benzo[e]pyrene	22.72	39.1	ng	583468	6	23.03	298273	20.0
Dinaphtho[1,2-b:1...	22.84	33.2	ng	495656	6	23.03	298273	20.0
11H-Indeno[2,1-a]...	23.21	20.3	ng	302956	6	23.03	298273	20.0
Naphthalene, 1,7-...	23.97	30.5	ng	455521	6	23.03	298273	20.0
unknown25.17	25.17	20.3	ng	302888	6	23.03	298273	20.0
3,4:9,10-Dibenzop...	26.06	47.7	ng	711342	6	23.03	298273	20.0
1,2:4,5-Dibenzopy...	26.19	28.4	ng	423479	6	23.03	298273	20.0
1,2:3,4-Dibenzopy...	26.88	48.2	ng	718916	6	23.03	298273	20.0