

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
 Data File : BF076835.D
 Acq On : 13 Jan 2015 8:11
 Operator : IZ / TP
 Sample : G1030-15
 Misc : S
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)

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-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	1.487	33	35	46	rBV	56642	103013	2.71%	0.224%
2	4.253	274	277	287	rBB	103958	231144	6.09%	0.503%
3	5.167	354	357	367	rBV	421792	790197	20.81%	1.720%
4	7.487	557	560	565	rBV	520306	792946	20.88%	1.726%
5	7.590	565	569	572	rVB	470176	843964	22.22%	1.837%
6	8.082	609	612	616	rBV	123684	200931	5.29%	0.437%
7	8.413	637	641	644	rBV	357488	619922	16.32%	1.349%
8	9.373	722	725	729	rBV	305632	498258	13.12%	1.085%
9	10.996	863	867	869	rBV	165010	285982	7.53%	0.622%
10	11.042	869	871	874	rVB	135195	195078	5.14%	0.425%
11	12.699	1013	1016	1019	rVB	52416	85167	2.24%	0.185%
12	13.648	1095	1099	1102	rBV	554553	888396	23.39%	1.934%
13	14.780	1194	1198	1201	rBV	87704	139425	3.67%	0.303%
14	15.122	1225	1228	1232	rBB	158993	287091	7.56%	0.625%
15	15.202	1232	1235	1239	rBB	198392	303454	7.99%	0.661%
16	15.625	1269	1272	1275	rBV	110184	164494	4.33%	0.358%
17	16.323	1330	1333	1336	rBV	266703	349010	9.19%	0.760%
18	16.768	1369	1372	1376	rBV2	473618	682715	17.98%	1.486%
19	17.294	1414	1418	1420	rBV	53796	80587	2.12%	0.175%
20	17.580	1440	1443	1445	rVV2	149436	185776	4.89%	0.404%
21	17.694	1449	1453	1457	rBV2	132656	200620	5.28%	0.437%
22	17.866	1465	1468	1469	rBV	187694	361175	9.51%	0.786%
23	17.900	1469	1471	1474	rVV	2351970	2769572	72.93%	6.028%
24	17.968	1474	1477	1480	rVB	641104	758817	19.98%	1.652%
25	18.174	1493	1495	1499	rVB	62109	80242	2.11%	0.175%
26	18.243	1499	1501	1504	rBV	282942	403082	10.61%	0.877%
27	18.597	1529	1532	1533	rBV	248731	269210	7.09%	0.586%
28	18.631	1533	1535	1539	rVV	318475	395455	10.41%	0.861%
29	18.700	1539	1541	1542	rVV	140658	168396	4.43%	0.367%
30	18.734	1542	1544	1546	rVV	339718	530266	13.96%	1.154%
31	18.769	1546	1547	1550	rVV	158677	163483	4.31%	0.356%
32	18.826	1550	1552	1555	rVV2	51857	79902	2.10%	0.174%
33	19.031	1567	1570	1572	rVV2	212565	375497	9.89%	0.817%
34	19.351	1595	1598	1599	rBV	103868	159658	4.20%	0.348%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.386	1599	1601	1603	rVV	61246	112198	2.95%	0.244%
36	19.431	1603	1605	1611	rVV2	78007	197452	5.20%	0.430%
37	19.546	1611	1615	1617	rVB	2888935	3797486	100.00%	8.266%
38	19.614	1617	1621	1622	rBV2	42116	87614	2.31%	0.191%
39	19.649	1622	1624	1628	rVB	70534	124668	3.28%	0.271%
40	19.717	1628	1630	1633	rBV2	102984	188535	4.96%	0.410%
41	19.820	1636	1639	1641	rBV	2724588	3381002	89.03%	7.359%
42	19.900	1644	1646	1648	rVB	131992	141624	3.73%	0.308%
43	19.991	1653	1654	1655	rVV	136227	166395	4.38%	0.362%
44	20.026	1655	1657	1659	rVB	184004	254025	6.69%	0.553%
45	20.072	1659	1661	1664	rBV2	673974	959305	25.26%	2.088%
46	20.129	1664	1666	1668	rVV	129402	162245	4.27%	0.353%
47	20.163	1668	1669	1672	rVB2	100091	95803	2.52%	0.209%
48	20.266	1672	1678	1680	rVB3	275394	617868	16.27%	1.345%
49	20.346	1683	1685	1687	rBV	245783	285507	7.52%	0.621%
50	20.380	1687	1688	1694	rVV3	187215	466516	12.28%	1.015%
51	20.494	1694	1698	1700	rVV3	123610	228628	6.02%	0.498%
52	20.529	1700	1701	1703	rVV	87726	99834	2.63%	0.217%
53	20.597	1705	1707	1709	rVB2	55992	83603	2.20%	0.182%
54	20.643	1709	1711	1713	rBV2	75989	90786	2.39%	0.198%
55	20.780	1718	1723	1724	rBV3	75020	141743	3.73%	0.309%
56	20.803	1724	1725	1728	rVB2	81979	108437	2.86%	0.236%
57	20.894	1731	1733	1737	rVB	202842	316737	8.34%	0.689%
58	21.032	1742	1745	1747	rBV	293068	354007	9.32%	0.771%
59	21.077	1747	1749	1751	rBV2	218279	340168	8.96%	0.740%
60	21.123	1751	1753	1755	rVB2	150285	192819	5.08%	0.420%
61	21.169	1755	1757	1760	rVB	281756	317342	8.36%	0.691%
62	21.249	1760	1764	1767	rBV	71304	116617	3.07%	0.254%
63	21.352	1767	1773	1774	rBV	1250917	2516829	66.28%	5.478%
64	21.386	1774	1776	1778	rVV2	1309877	1625536	42.81%	3.538%
65	21.477	1782	1784	1786	rBV	237395	327235	8.62%	0.712%
66	21.523	1787	1788	1790	rBV2	60224	89449	2.36%	0.195%
67	21.603	1793	1795	1797	rVB3	211658	277442	7.31%	0.604%
68	21.649	1797	1799	1801	rBV	143965	228349	6.01%	0.497%
69	21.786	1807	1811	1813	rBV3	75476	159056	4.19%	0.346%
70	21.843	1813	1816	1818	rVV	225455	334332	8.80%	0.728%
71	21.877	1818	1819	1822	rVB	88712	111054	2.92%	0.242%

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72	21.946	1822	1825	1827	rBV3	90301	214118	5.64%	0.466%
73	21.980	1827	1828	1832	rVV3	95417	239894	6.32%	0.522%
74	22.049	1832	1834	1837	rVB3	80682	108689	2.86%	0.237%
75	22.106	1837	1839	1842	rVB	104387	142130	3.74%	0.309%
76	22.232	1846	1850	1851	rBV3	105874	194036	5.11%	0.422%
77	22.426	1863	1867	1869	rBV2	78598	151883	4.00%	0.331%
78	22.540	1875	1877	1879	rVB2	60818	84418	2.22%	0.184%
79	22.609	1879	1883	1887	rBV	1092832	2688872	70.81%	5.853%
80	22.700	1887	1891	1894	rBV2	223404	385341	10.15%	0.839%
81	22.826	1898	1902	1906	rBV3	98446	396530	10.44%	0.863%
82	22.895	1906	1908	1911	rVV	657323	847295	22.31%	1.844%
83	22.952	1911	1913	1916	rVB	888519	1276458	33.61%	2.778%
84	23.009	1916	1918	1919	rBV	222109	268302	7.07%	0.584%
85	23.043	1919	1921	1923	rVB	293144	343253	9.04%	0.747%
86	23.203	1930	1935	1936	rBV4	73167	219261	5.77%	0.477%
87	23.306	1940	1944	1945	rBV3	73351	175541	4.62%	0.382%
88	23.478	1957	1959	1962	rVB	60528	83744	2.21%	0.182%
89	23.603	1967	1970	1973	rVB4	66440	155450	4.09%	0.338%
90	23.855	1989	1992	1994	rBV3	55615	115529	3.04%	0.251%
91	23.935	1994	1999	2004	rVB6	101464	388287	10.22%	0.845%
92	24.038	2004	2008	2013	rBV2	134567	321737	8.47%	0.700%
93	24.152	2014	2018	2022	rBV2	492560	964289	25.39%	2.099%
94	24.289	2027	2030	2031	rBV	130719	240111	6.32%	0.523%
95	24.323	2031	2033	2035	rVB3	66830	108393	2.85%	0.236%
96	24.461	2042	2045	2051	rVV	403197	731621	19.27%	1.592%
97	24.621	2055	2059	2066	rVB3	140436	350909	9.24%	0.764%
98	25.981	2173	2178	2180	rBV3	145359	447611	11.79%	0.974%
99	26.152	2189	2193	2196	rBV	73732	244963	6.45%	0.533%
100	26.838	2244	2253	2260	rBV5	94481	511987	13.48%	1.114%

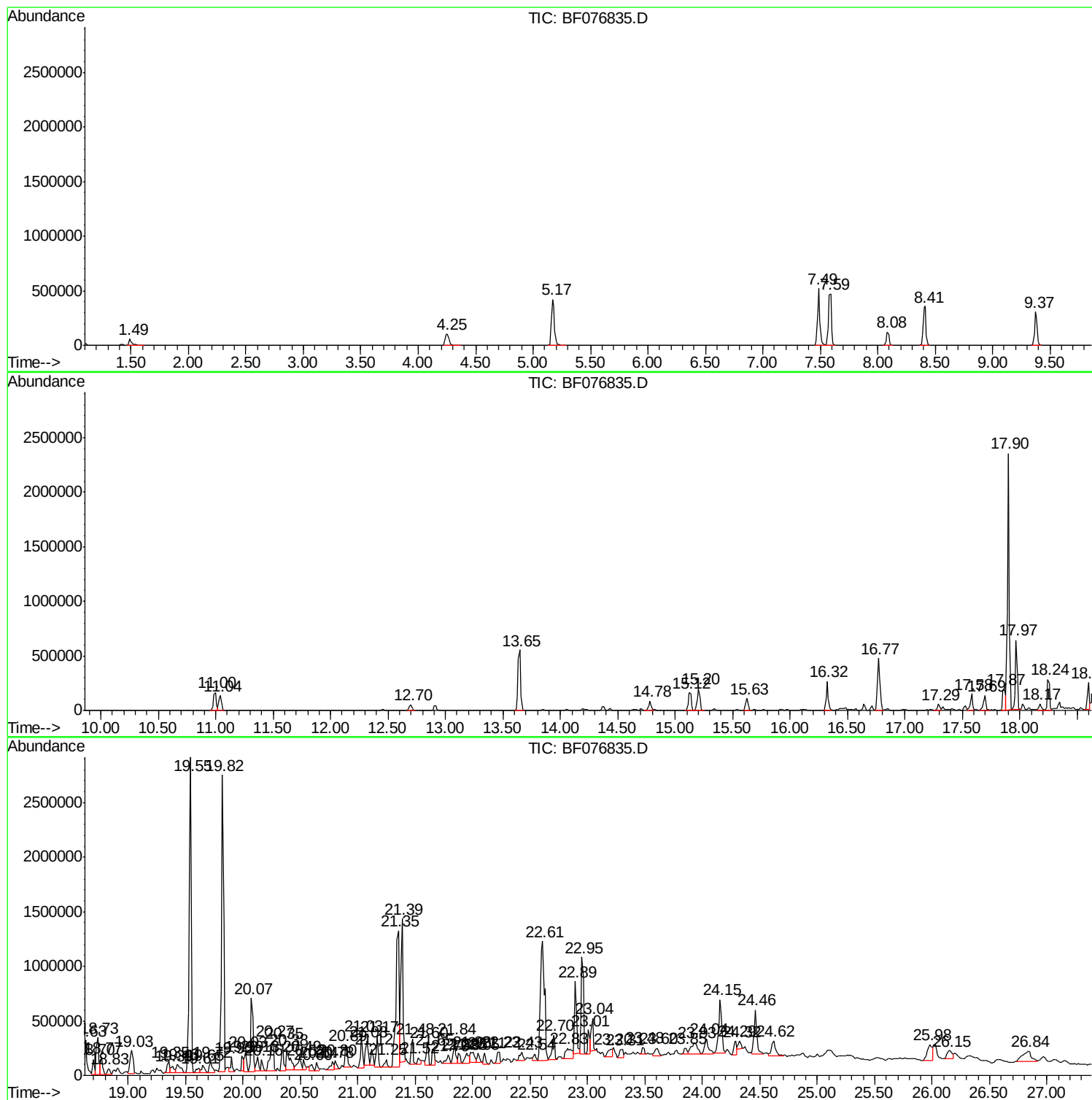
Sum of corrected areas: 45941823

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TP5-SS-3(7-7.5)

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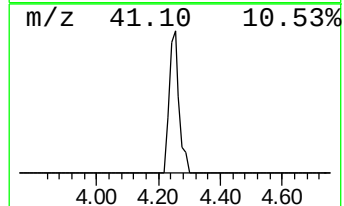
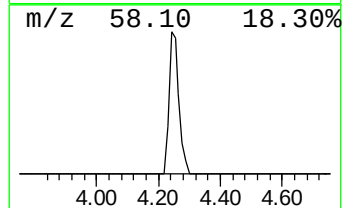
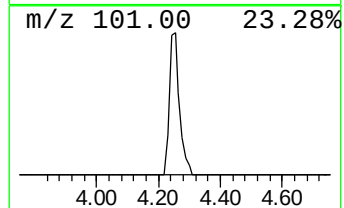
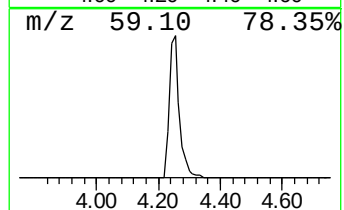
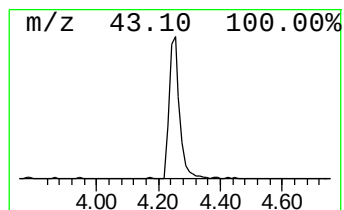
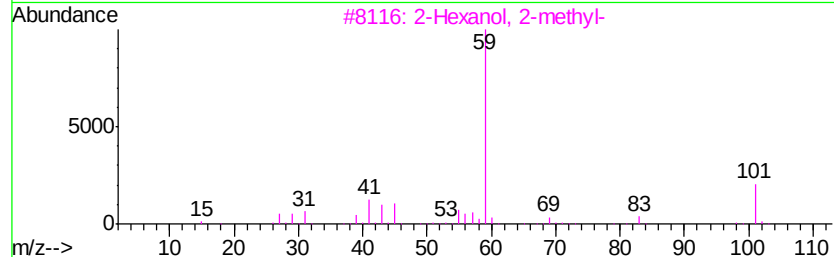
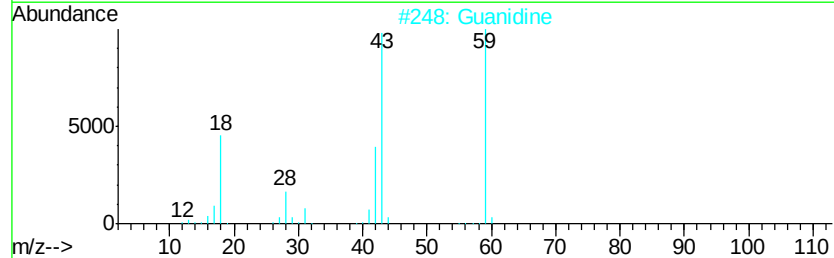
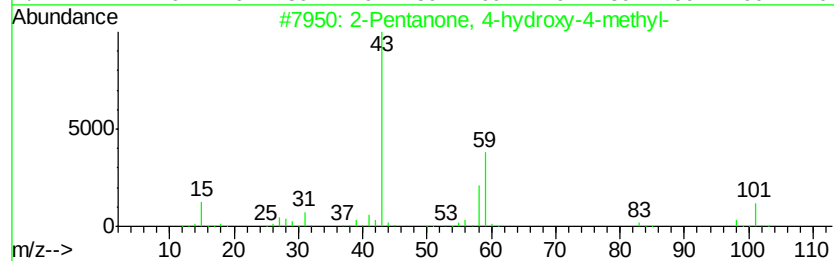
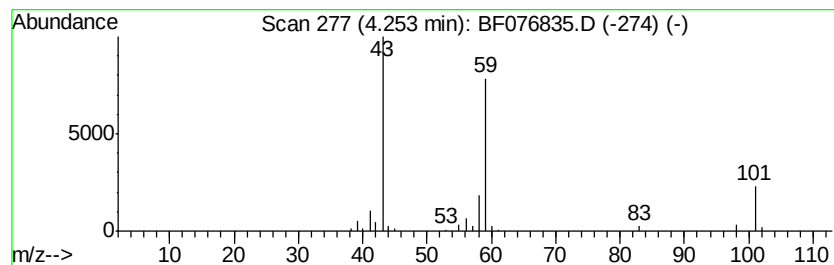
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	23.01 ng	231144	1,4-Dichlorobenzene-d4	8.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Guanidine	59	CH5N3	000113-00-8	50
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4			t-Butyl ethyl ether	102	C6H14O	1000118-18-4	28
5			Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	28



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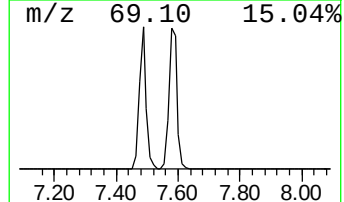
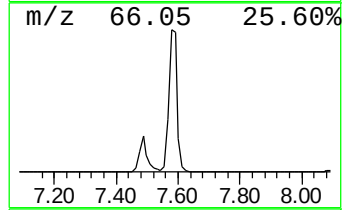
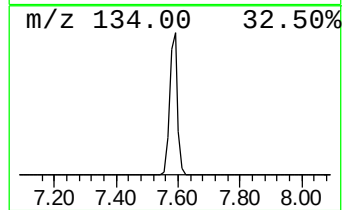
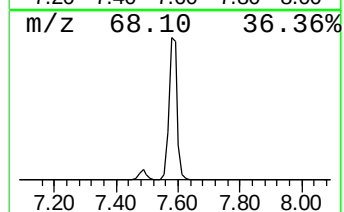
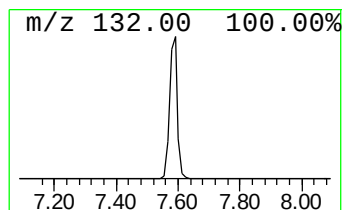
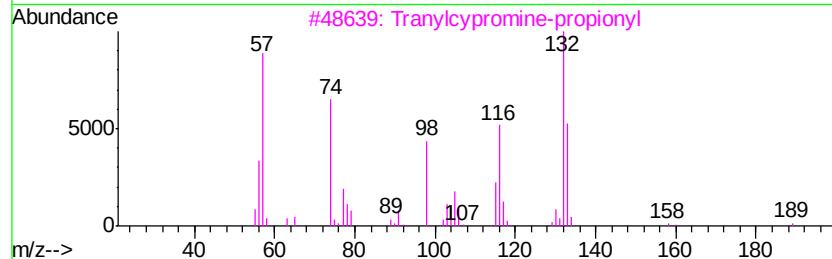
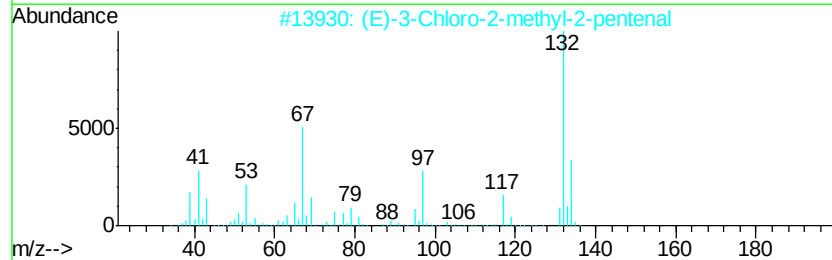
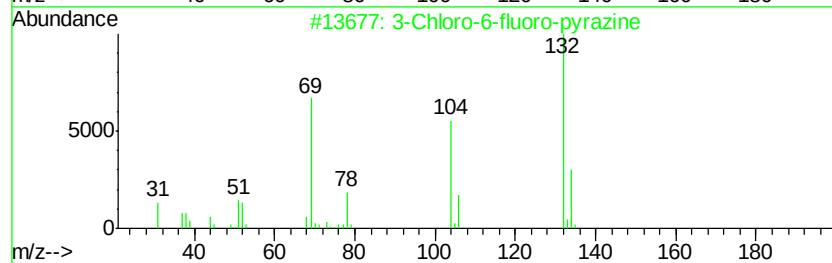
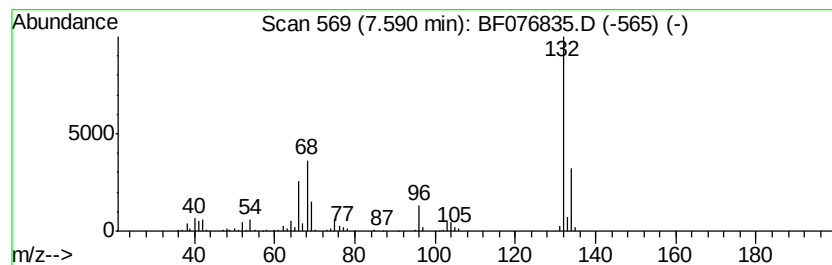
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	84.01 ng	843964	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	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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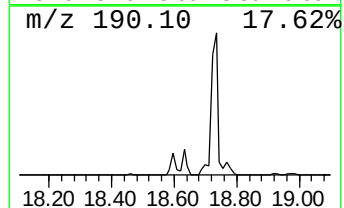
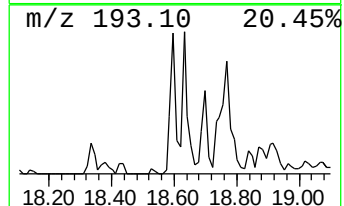
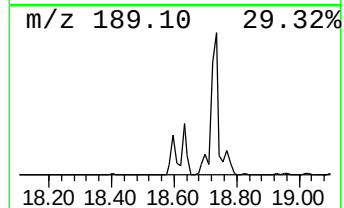
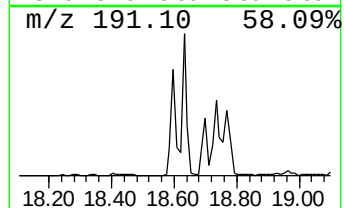
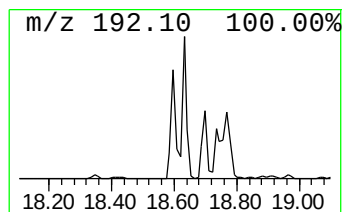
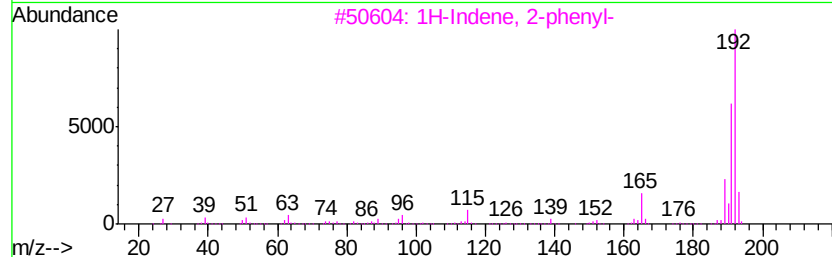
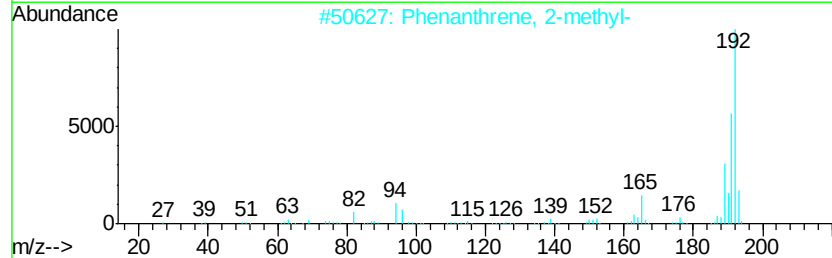
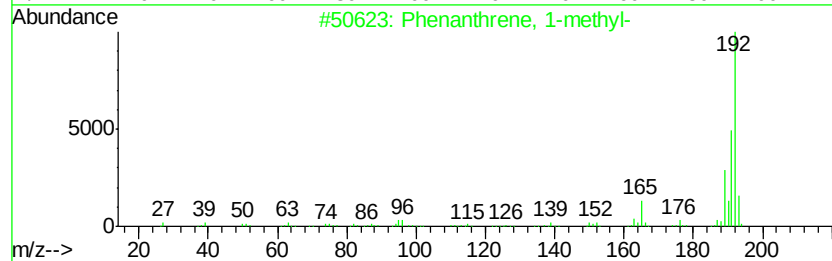
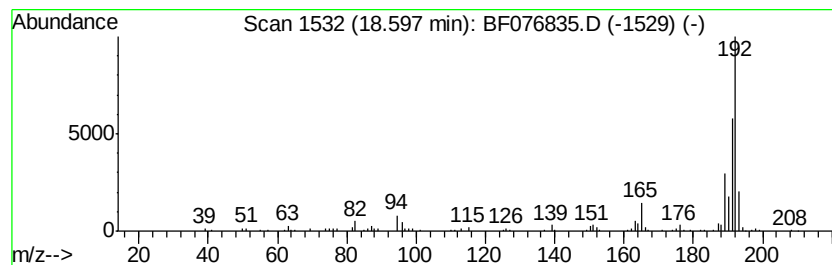
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	14.91 ng	269210	Phenanthrene-d10	17.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)

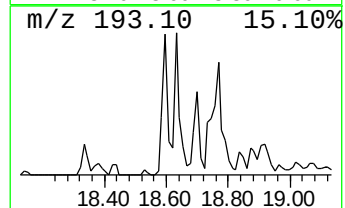
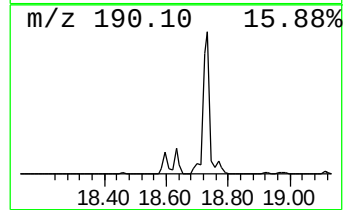
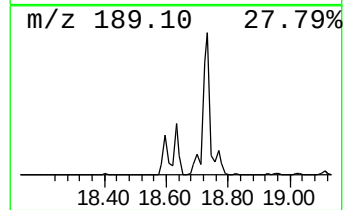
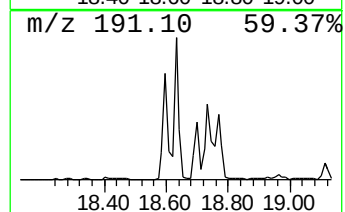
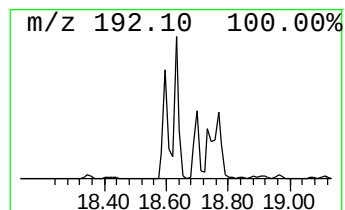
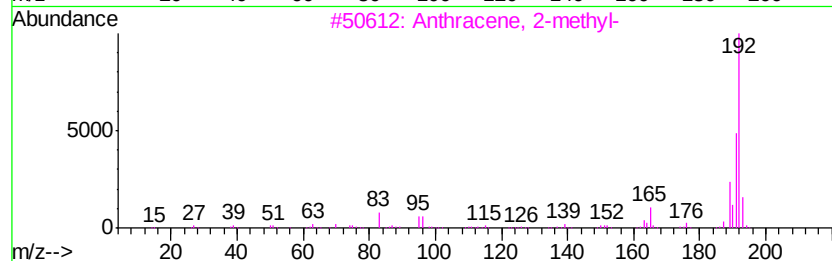
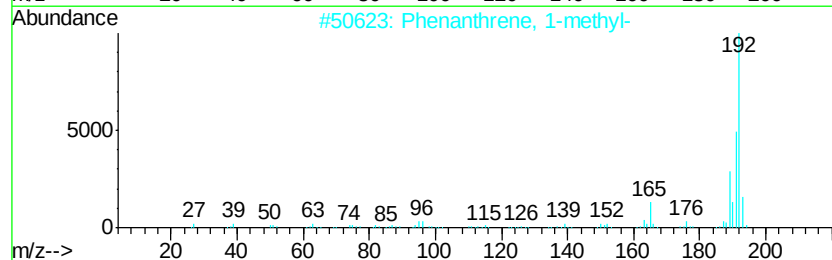
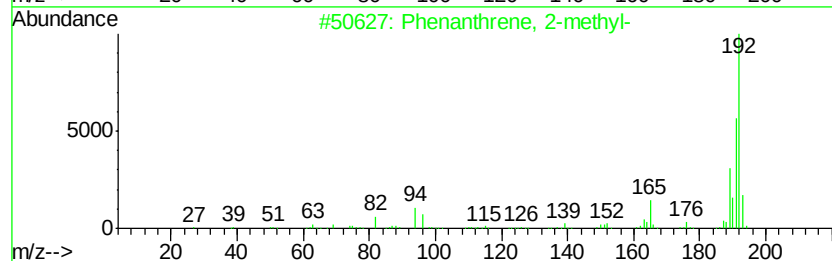
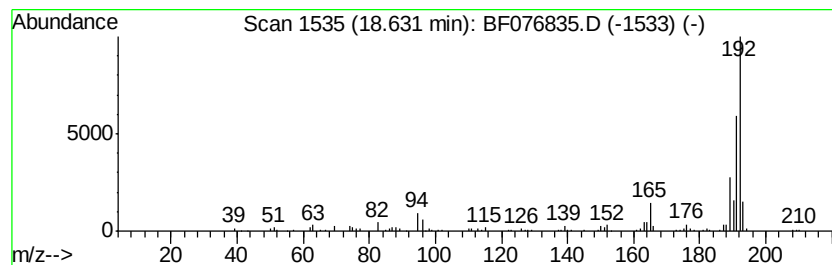
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	21.90 ng	395455	Phenanthrene-d10	17.87

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
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Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

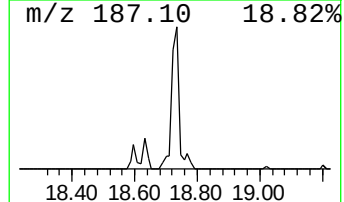
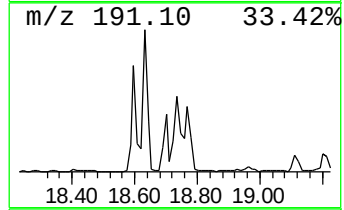
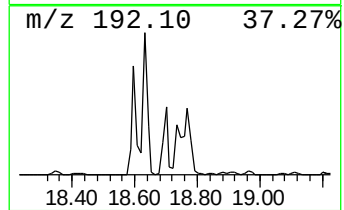
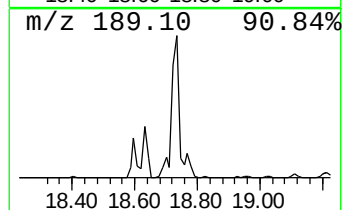
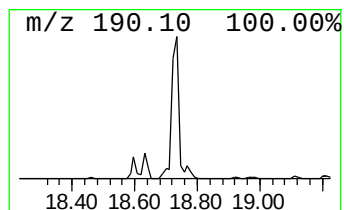
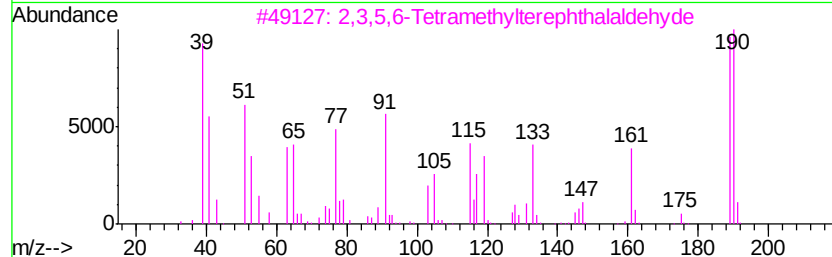
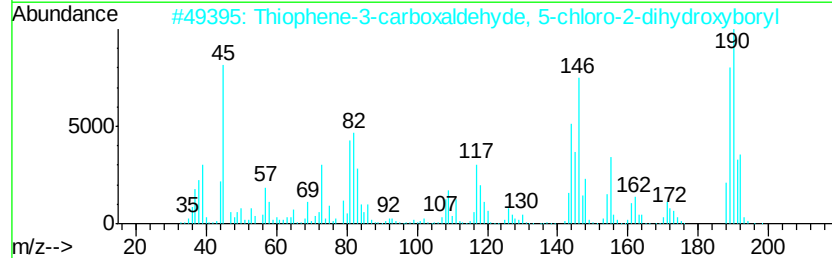
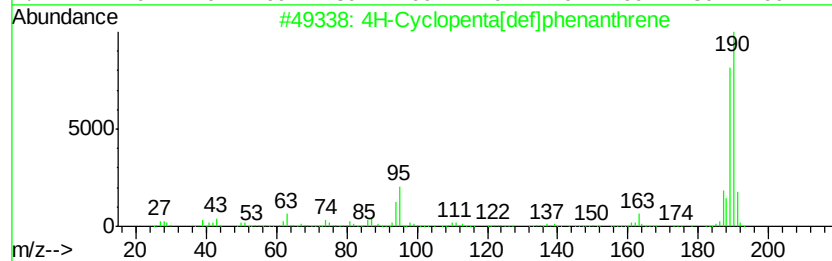
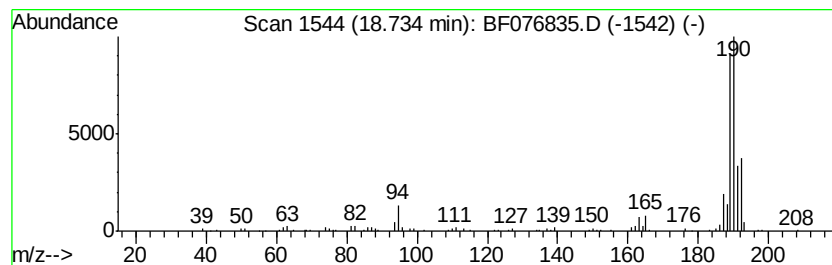
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TP5-SS-3(7-7.5)

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.73	29.36 ng	530266	Phenanthrene-d10	17.87	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23
5	Methyl diselenide	190	C2H6Se2	007101-31-7	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
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ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP5-SS-3(7-7.5)

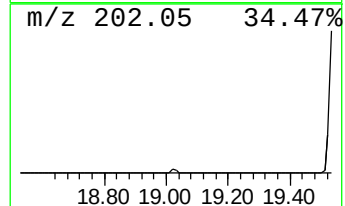
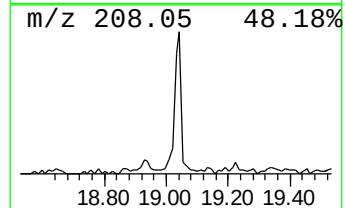
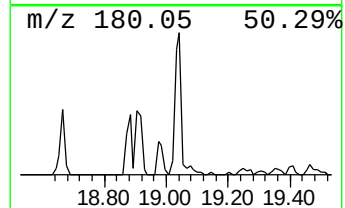
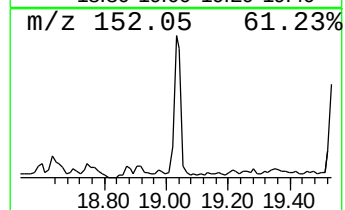
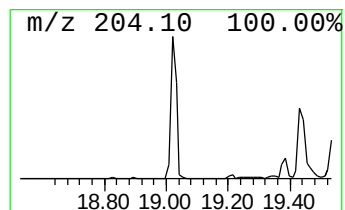
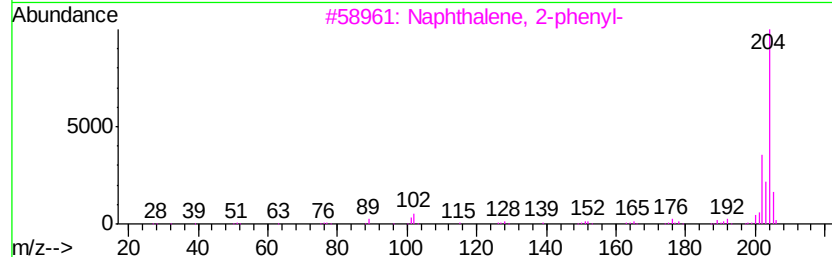
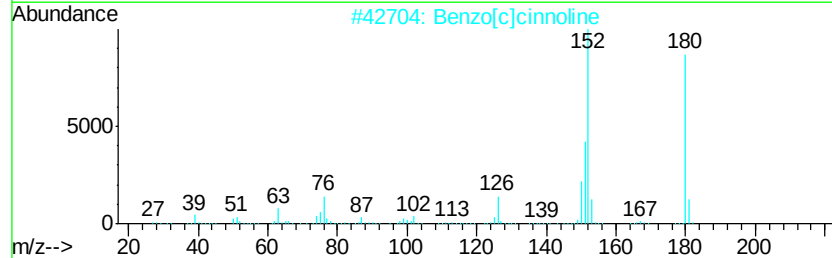
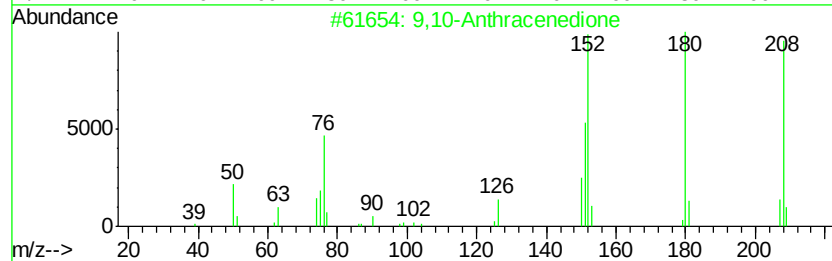
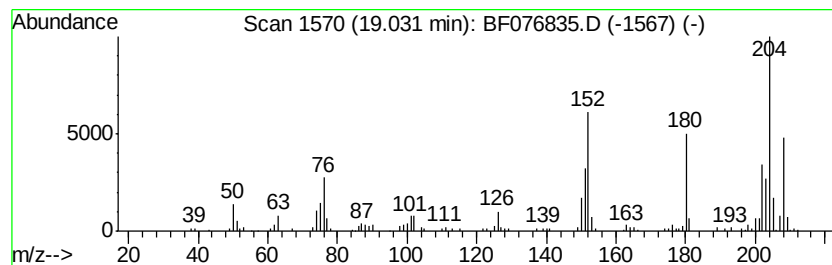
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	20.79 ng	375497	Phenanthrene-d10	17.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	84
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	51
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	42
5		2-Phenyl-naphthalene	204	C16H12	035465-71-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
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Sample : G1030-15
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ALS Vial : 28 Sample Multiplier: 1

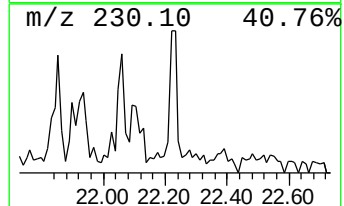
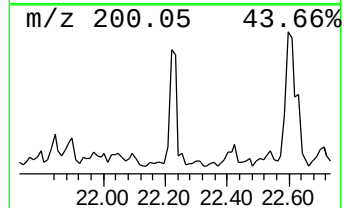
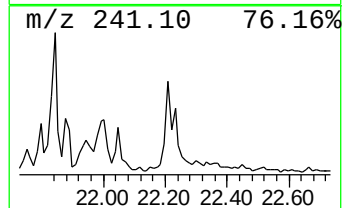
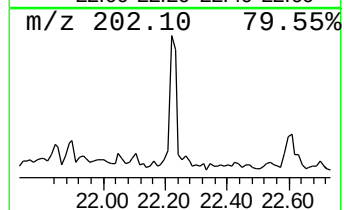
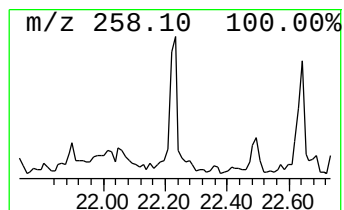
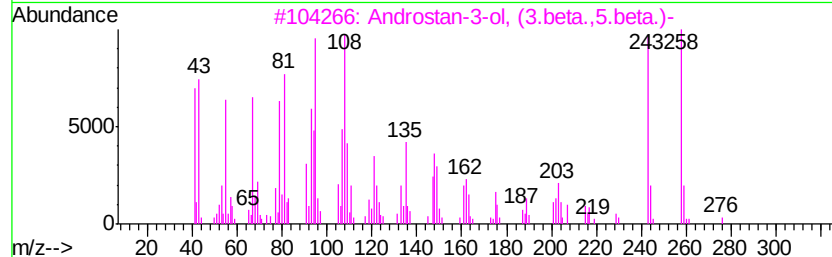
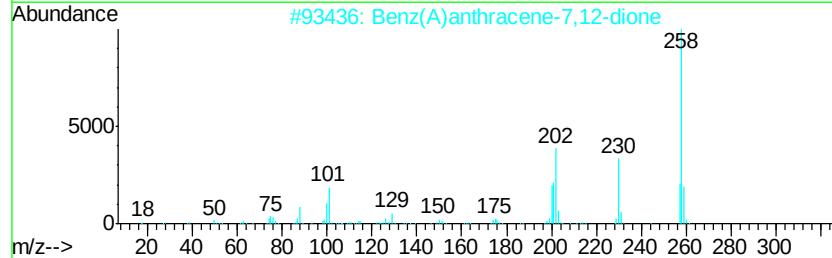
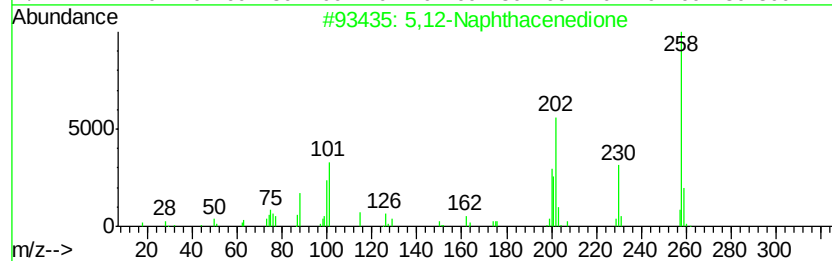
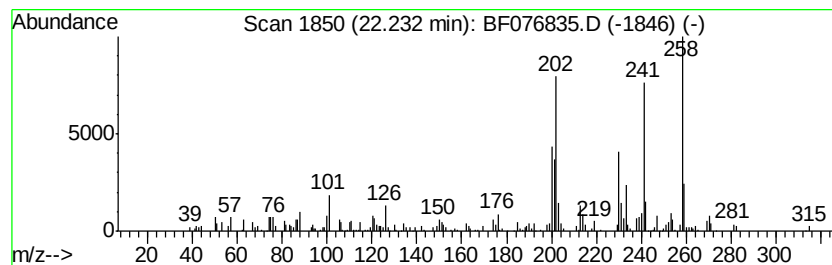
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ClientSampleId :
TP5-SS-3(7-7.5)

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 8 5,12-Naphthacenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	14.46 ng	194036	Perylene-d12	23.01
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	5,12-Naphthacenedione	258 C18H10O2	001090-13-7	86
2	Benz(A)anthracene-7,12-dione	258 C18H10O2	002498-66-0	41
3	Androstan-3-ol, (3.beta.,5.beta.)-	276 C19H32O	015360-52-8	25
4	Benzene, 1,1'-(1,3-butadiene-1,4...	202 C16H10	000886-66-8	25
5	Benzoic acid, 3-(6-methyl-4-oxo-...	230 C13H10O4	295364-59-9	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
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Sample : G1030-15
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ALS Vial : 28 Sample Multiplier: 1

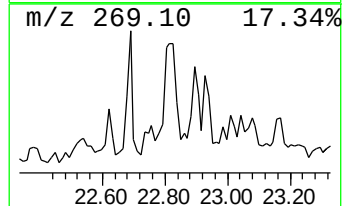
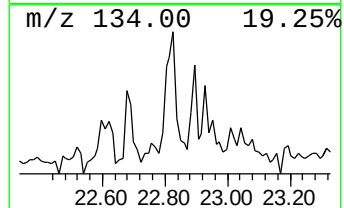
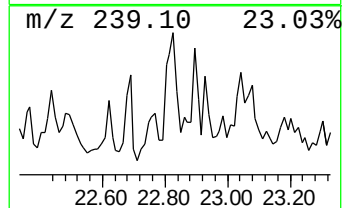
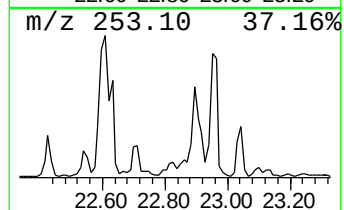
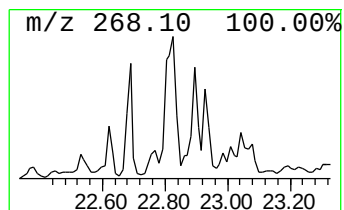
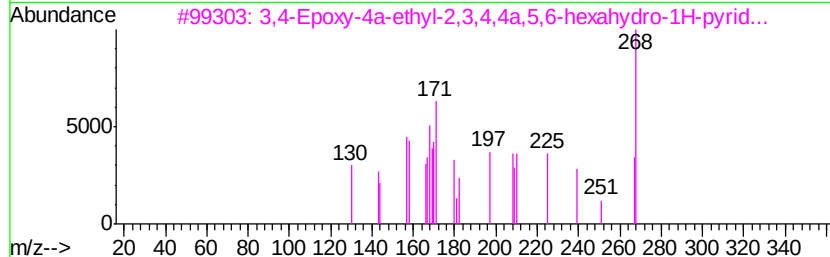
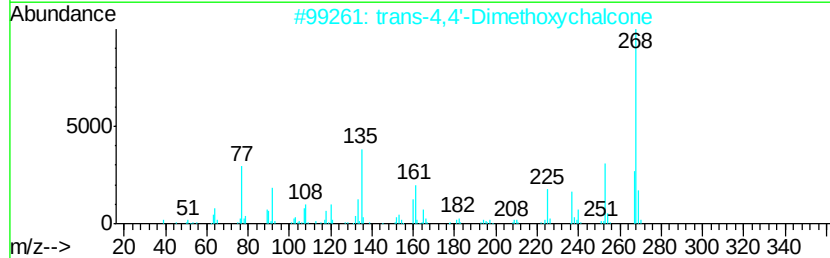
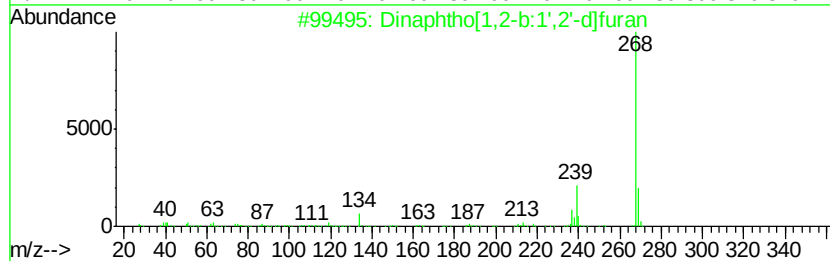
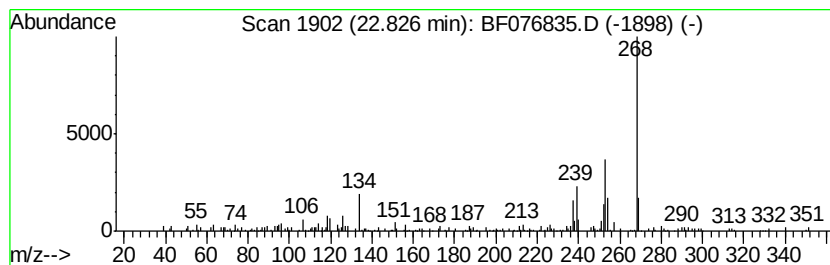
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
22.83	29.56 ng	396530	Perylene-d12	23.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	58
3		3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-...	268	C17H20N2O	080249-75-8	55
4		Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	53
5		Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
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Acq On : 13 Jan 2015 8:11
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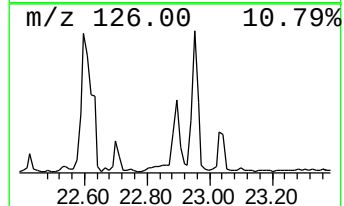
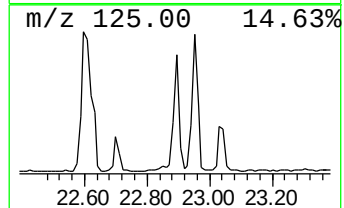
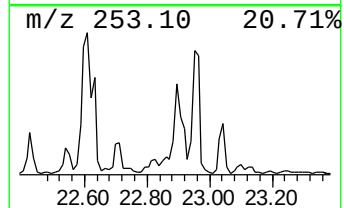
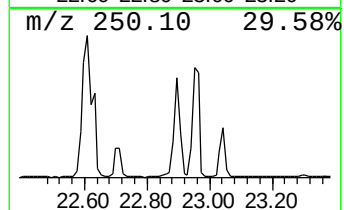
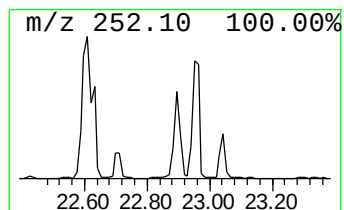
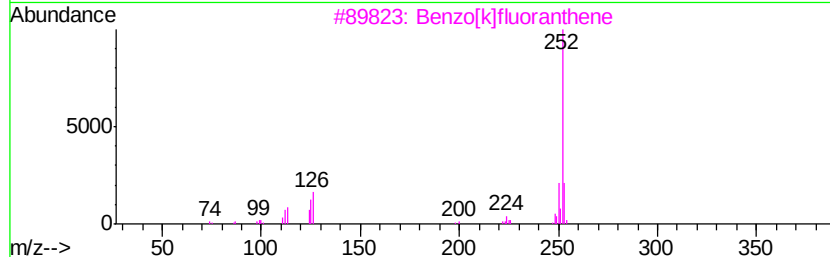
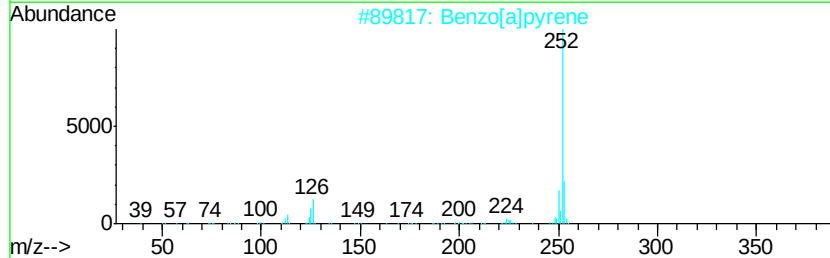
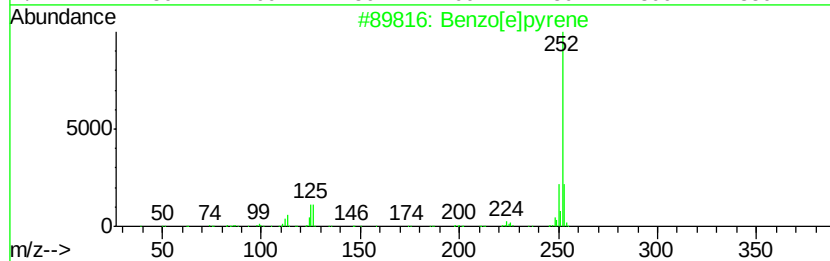
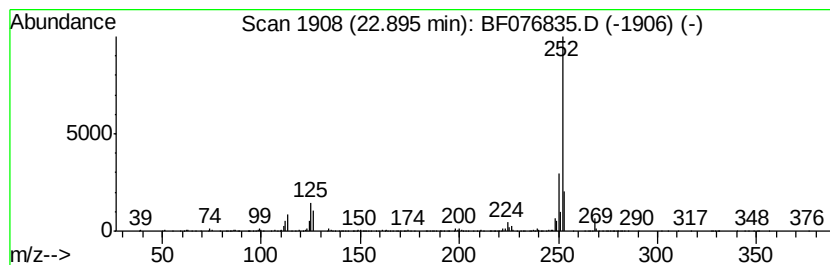
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.89	63.16 ng	847295	Perylene-d12	23.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[el]pyrene	252	C20H12	000192-97-2	98
2	Benzo[al]pyrene	252	C20H12	000050-32-8	96
3	Benzo[k]lfluoranthene	252	C20H12	000207-08-9	96
4	Benz[el]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

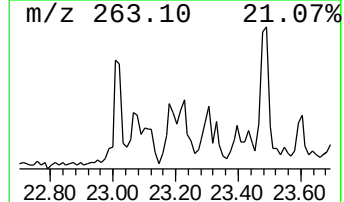
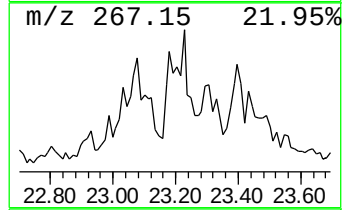
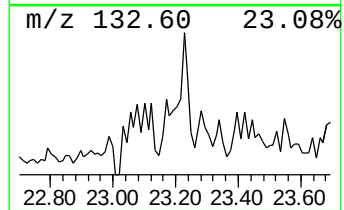
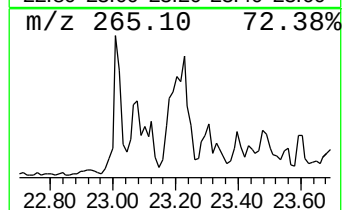
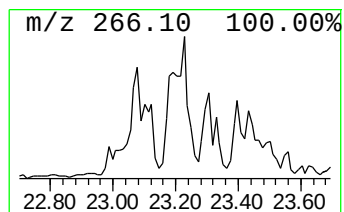
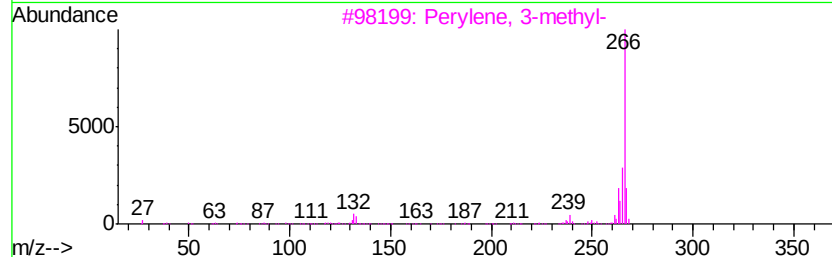
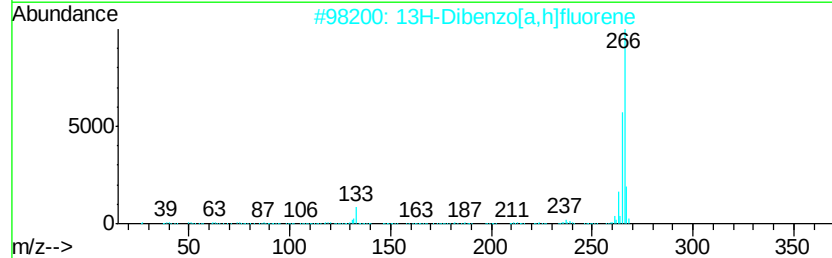
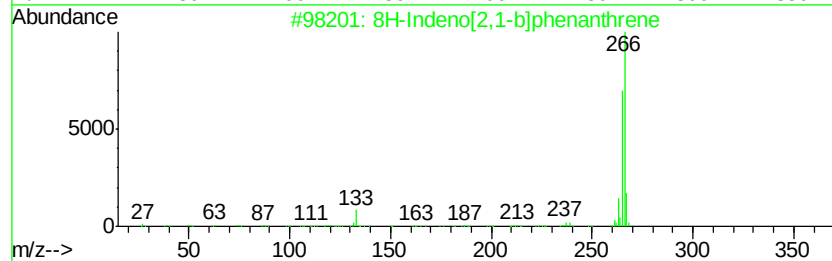
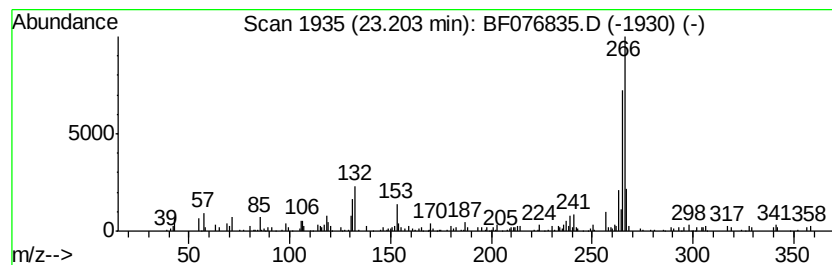
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ClientSampleId :
TP5-SS-3(7-7.5)

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.20	16.34 ng	219261	Perylene-d12	23.01
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	8H-Indeno[2,1-b]phenanthrene	266 C21H14	000241-28-1	74
2	13H-Dibenzo[a,h]fluorene	266 C21H14	000239-85-0	62
3	Perylene, 3-methyl-	266 C21H14	024471-47-4	60
4	Furazano[3,4-a]benzimidazole, 7-...	266 C14H10N4S	129485-61-6	58
5	4,6-Dimethyl-4'-hydroxy-2-benzyl...	266 C17H14O3	002567-73-9	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)

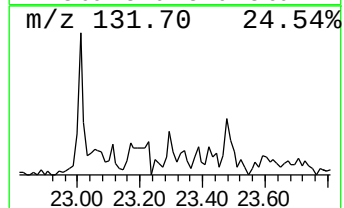
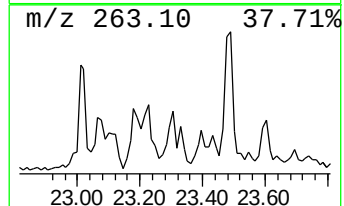
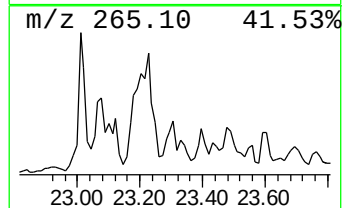
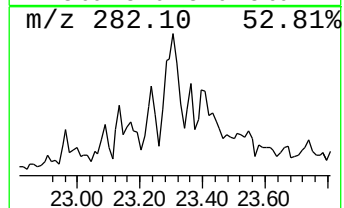
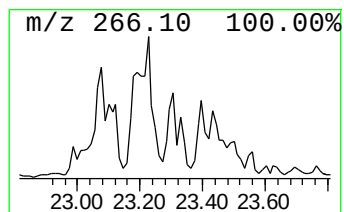
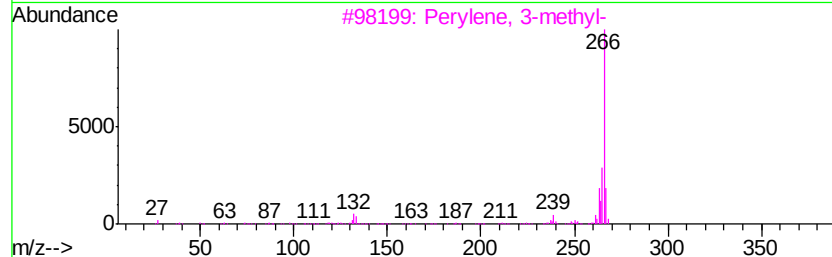
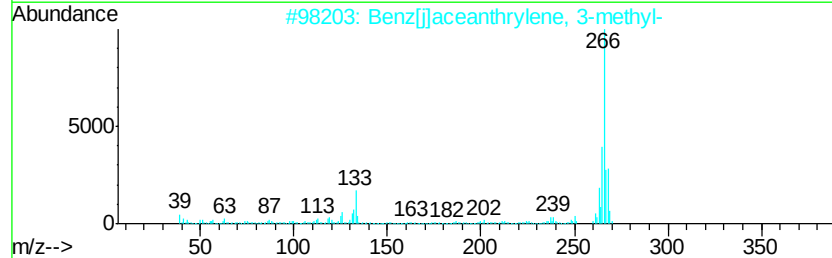
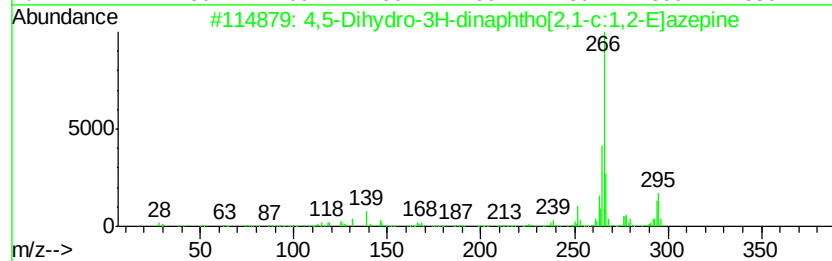
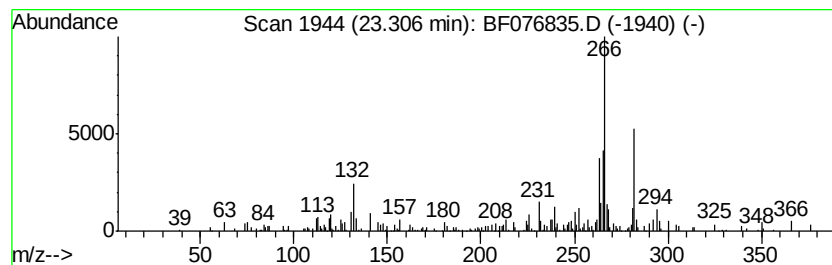
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4,5-Dihydro-3H-dinaphtho[2,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.31	13.09 ng	175541	Perylene-d12	23.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,5-Dihydro-3H-dinaphtho[2,1-c:1...	295	C22H17N	1000297-99-2	58
2		Benz[il]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	49
3		Perylene, 3-methyl-	266	C21H14	024471-47-4	46
4		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	45
5		3-(3-[Trifluoromethyl]phenoxy)be...	266	C14H9F3O2	078725-46-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)

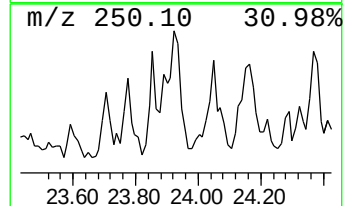
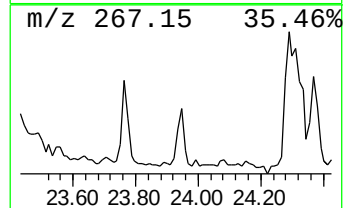
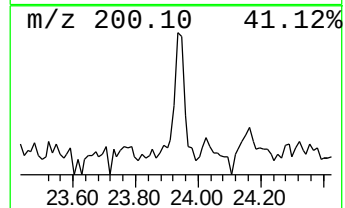
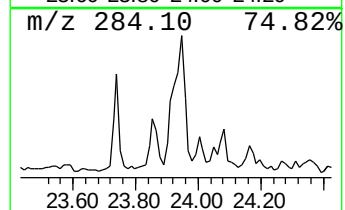
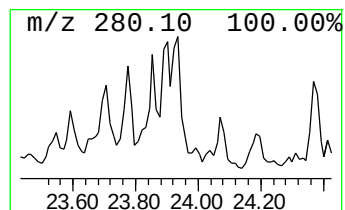
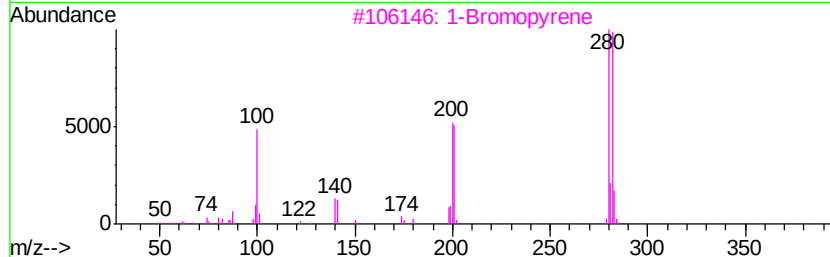
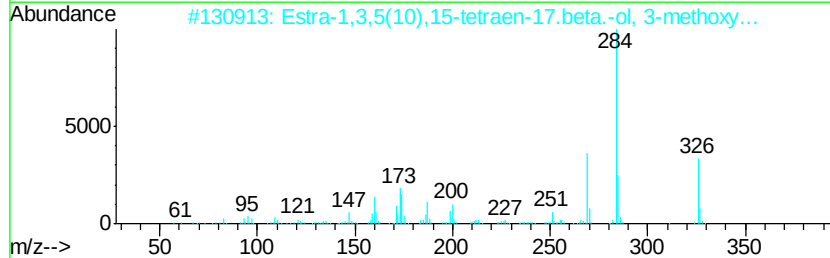
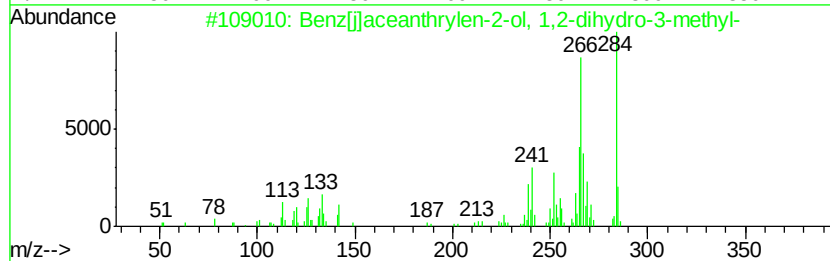
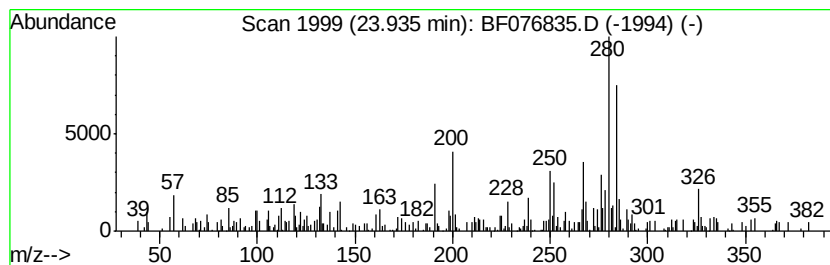
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown23.93 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	28.94 ng	388287	Perylene-d12	23.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[il]aceanthrylen-2-ol, 1,2-di...	284	C21H16O	003308-64-3	44
2		Estra-1,3,5(10),15-tetraen-17.be...	326	C21H26O3	019590-59-1	38
3		1-Bromopyrene	280	C16H9Br	001714-29-0	30
4		Dinaphtho(1,2-b:2',1'-d)thiophene	284	C20H12S	000239-72-5	25
5		Dinaphtho[1,2-b:1',2'-d]thiophene	284	C20H12S	000207-94-3	20



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

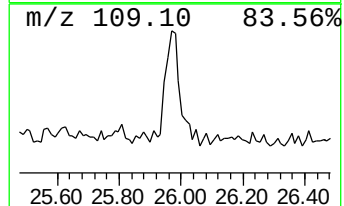
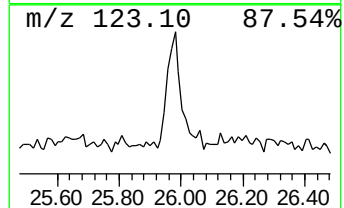
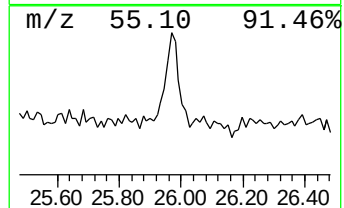
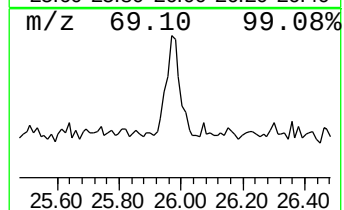
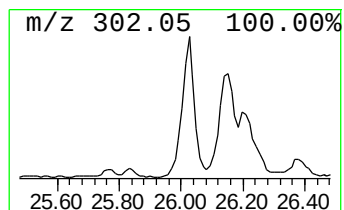
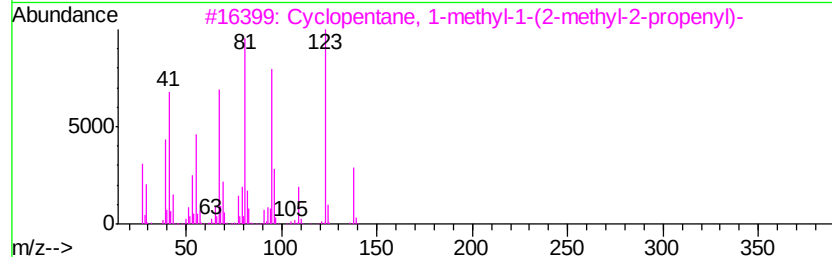
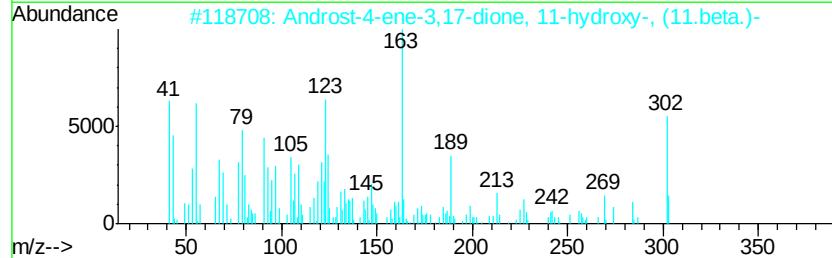
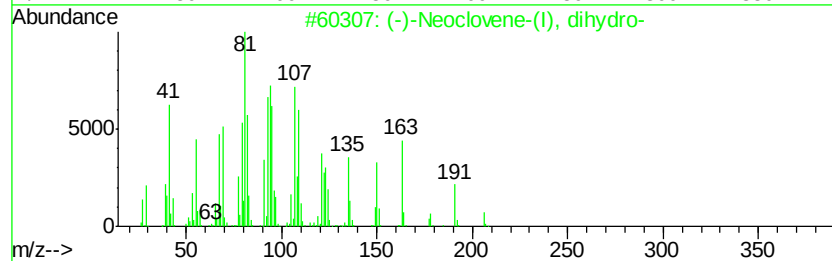
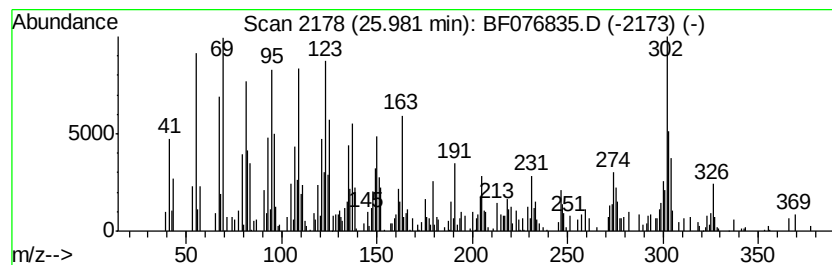
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ClientSampleId :
TP5-SS-3(7-7.5)

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 18 (-)-Neoclovene-(I), dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
25.98	33.37 ng	447611	Perylene-d12	23.01	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	50
2	Androst-4-ene-3,17-dione, 11-hyd...	302	C19H26O3	000382-44-5	43
3	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	38
4	o-Tolylsulfanyl-acetic acid (4-f...	302	C16H15FN2OS	328016-12-2	25
5	3(4H)-Phenanthrenone, 4a,4b,5,6,...	246	C17H26O	057684-12-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-3(7-7.5)

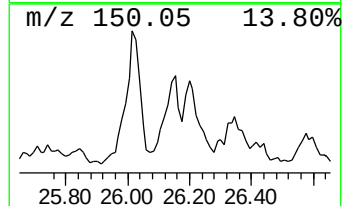
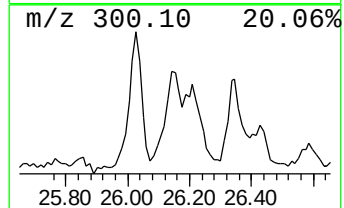
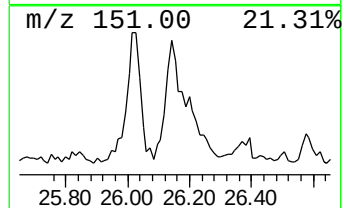
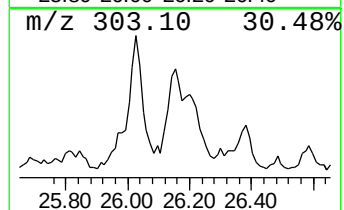
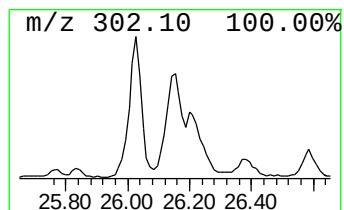
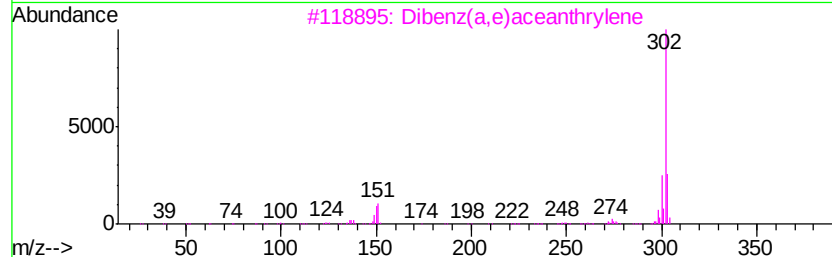
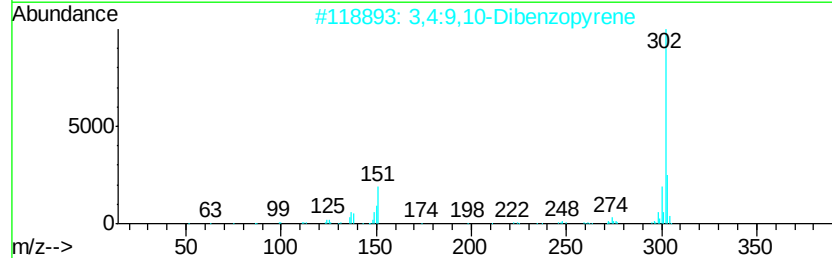
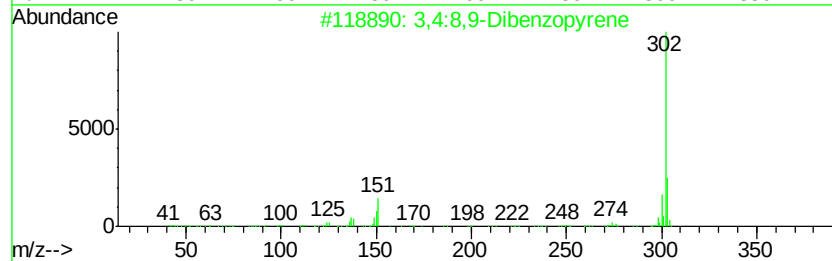
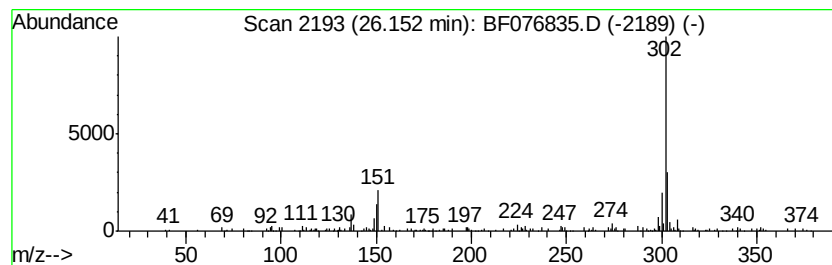
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:8,9-Dibenzopyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.15	18.26 ng	244963	Perylene-d12	23.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	94
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	72
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076835.D
Acq On : 13 Jan 2015 8:11
Operator : IZ / TP
Sample : G1030-15
Misc : S
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP5-SS-3(7-7.5)

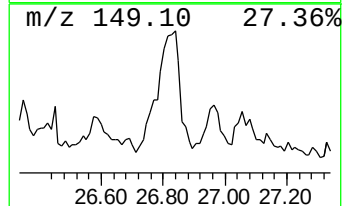
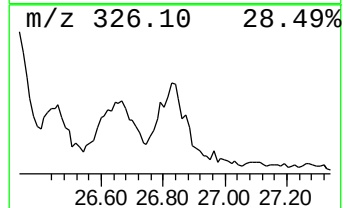
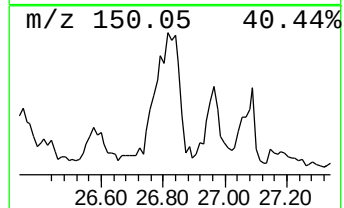
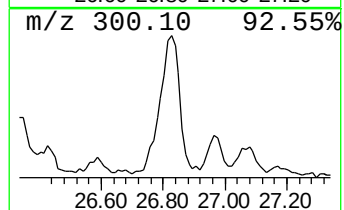
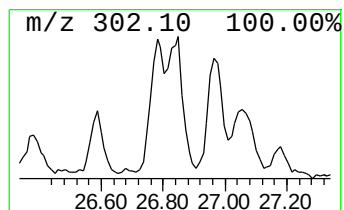
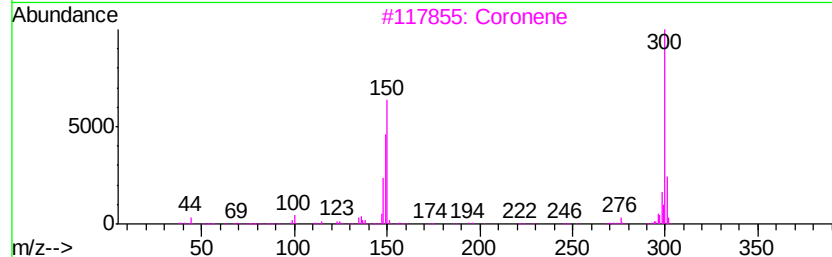
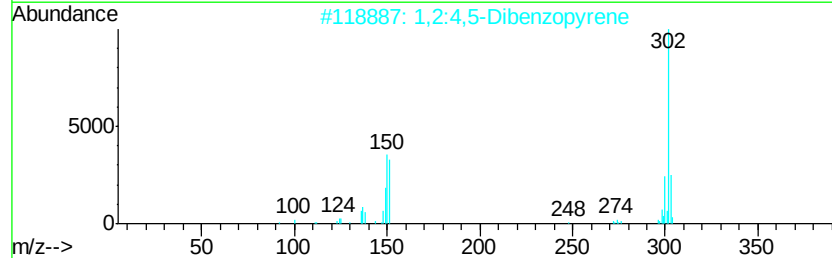
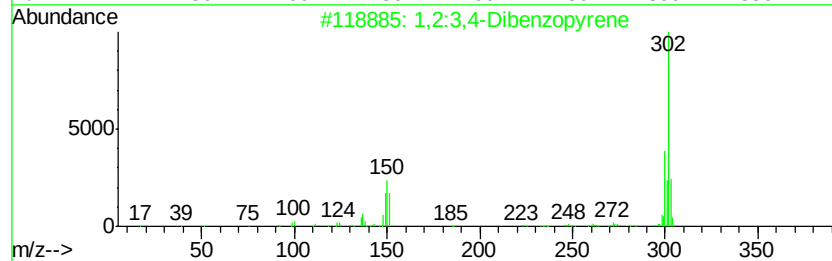
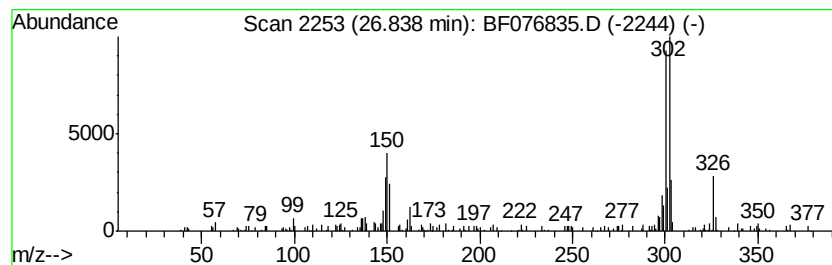
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.84	38.17 ng	511987	Perylene-d12	23.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	78
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
3		Coronene	300	C24H12	000191-07-1	50
4		2-(4-Bromophenyl)-5-phenyl-1,3,4...	300	C14H9BrN2O	021510-43-0	47
5		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
 Data File : BF076835.D
 Acq On : 13 Jan 2015 8:11
 Operator : IZ / TP
 Sample : G1030-15
 Misc : S
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-3(7-7.5)

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
2-Pentanone, 4-hy...	4.25	23.0	ng	231144	1	8.08	200931	20.0
unknown7.59	7.59	84.0	ng	843964	1	8.08	200931	20.0
Phenanthrene, 1-m...	18.60	14.9	ng	269210	4	17.87	361175	20.0
Phenanthrene, 2-m...	18.63	21.9	ng	395455	4	17.87	361175	20.0
4H-Cyclopenta[def...	18.73	29.4	ng	530266	4	17.87	361175	20.0
9,10-Anthracenedione	19.03	20.8	ng	375497	4	17.87	361175	20.0
5,12-Naphthacened...	22.23	14.5	ng	194036	6	23.01	268302	20.0
Dinaphtho[1,2-b:1...	22.83	29.6	ng	396530	6	23.01	268302	20.0
Benzo[e]pyrene	22.89	63.2	ng	847295	6	23.01	268302	20.0
8H-Indeno[2,1-b]p...	23.20	16.3	ng	219261	6	23.01	268302	20.0
4,5-Dihydro-3H-di...	23.31	13.1	ng	175541	6	23.01	268302	20.0
unknown23.93	23.93	28.9	ng	388287	6	23.01	268302	20.0
(-)-Neoclovene-(I...	25.98	33.4	ng	447611	6	23.01	268302	20.0
3,4:8,9-Dibenzopy...	26.15	18.3	ng	244963	6	23.01	268302	20.0
1,2:3,4-Dibenzopy...	26.84	38.2	ng	511987	6	23.01	268302	20.0