

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
 Data File : BF076952.D
 Acq On : 20 Jan 2015 6:19
 Operator : IZ / TP
 Sample : G1076-01
 Misc : W
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

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-BF011415.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	1.452	31	32	40	rBV	25872	58749	1.49%	0.127%
2	4.104	261	264	277	rVB	129110	276013	7.01%	0.596%
3	5.041	342	346	359	rBV	359974	737445	18.72%	1.593%
4	7.373	547	550	556	rBV	453276	840244	21.33%	1.815%
5	7.465	556	558	564	rVB	475384	863280	21.92%	1.865%
6	7.967	599	602	608	rVB	123363	219415	5.57%	0.474%
7	8.299	627	631	634	rBV	391312	657854	16.70%	1.421%
8	9.270	712	716	719	rBV	361808	534235	13.56%	1.154%
9	10.882	853	857	859	rBV	208176	303643	7.71%	0.656%
10	12.585	1003	1006	1010	rVB	46651	71075	1.80%	0.154%
11	12.802	1022	1025	1030	rVB2	29300	49395	1.25%	0.107%
12	13.534	1085	1089	1092	rBV	659979	961876	24.42%	2.078%
13	14.597	1179	1182	1186	rVB	64438	94353	2.40%	0.204%
14	15.008	1215	1218	1222	rBV	206580	328587	8.34%	0.710%
15	15.088	1222	1225	1229	rBV	234025	390663	9.92%	0.844%
16	15.511	1259	1262	1265	rBV	114820	172697	4.38%	0.373%
17	16.220	1320	1324	1328	rBV3	237568	452215	11.48%	0.977%
18	16.620	1357	1359	1362	rBV	144440	194505	4.94%	0.420%
19	16.677	1362	1364	1369	rVB3	316172	498159	12.65%	1.076%
20	17.145	1402	1405	1408	rBV2	51549	114432	2.91%	0.247%
21	17.214	1408	1411	1413	rBV	34035	63220	1.61%	0.137%
22	17.443	1428	1431	1433	rBV	34643	56147	1.43%	0.121%
23	17.500	1433	1436	1438	rVV	118071	154513	3.92%	0.334%
24	17.614	1442	1446	1450	rVB2	129001	226701	5.76%	0.490%
25	17.774	1458	1460	1462	rBV	224876	428511	10.88%	0.926%
26	17.820	1462	1464	1466	rVV	2404074	2702683	68.62%	5.839%
27	17.888	1466	1470	1473	rVB	598566	736046	18.69%	1.590%
28	17.957	1473	1476	1479	rBV	27884	57630	1.46%	0.125%
29	18.106	1484	1489	1493	rVB3	30742	66619	1.69%	0.144%
30	18.174	1493	1495	1497	rBV	196089	222346	5.64%	0.480%
31	18.266	1501	1503	1505	rVV	69080	74912	1.90%	0.162%
32	18.426	1516	1517	1519	rBV	34536	54797	1.39%	0.118%
33	18.517	1523	1525	1527	rBV	193902	245571	6.23%	0.531%
34	18.563	1527	1529	1531	rBV	193130	280599	7.12%	0.606%

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35	18.620	1532	1534	1535	rBV	84541	89782	2.28%	0.194%
36	18.654	1535	1537	1539	rVV2	338111	452813	11.50%	0.978%
37	18.700	1539	1541	1543	rVB	116080	163728	4.16%	0.354%
38	18.769	1544	1547	1549	rBV2	64890	100636	2.55%	0.217%
39	18.837	1551	1553	1557	rVB4	36270	66424	1.69%	0.143%
40	18.951	1560	1563	1569	rVB3	225021	453446	11.51%	0.980%
41	19.180	1581	1583	1584	rBV	49722	54027	1.37%	0.117%
42	19.271	1589	1591	1593	rBV	72288	115641	2.94%	0.250%
43	19.363	1596	1599	1600	rBV2	102385	124938	3.17%	0.270%
44	19.466	1604	1608	1611	rBV	2735109	3938907	100.00%	8.509%
45	19.637	1621	1623	1627	rBV3	79302	137996	3.50%	0.298%
46	19.751	1630	1633	1635	rBV	3264847	3764984	95.58%	8.134%
47	19.786	1635	1636	1638	rBV	45964	61572	1.56%	0.133%
48	19.831	1638	1640	1642	rVB	105518	128898	3.27%	0.278%
49	19.923	1645	1648	1649	rBV2	179917	314670	7.99%	0.680%
50	19.946	1649	1650	1653	rVB	124282	194249	4.93%	0.420%
51	20.003	1653	1655	1658	rBV	787828	1052473	26.72%	2.274%
52	20.049	1658	1659	1661	rVB	118619	145456	3.69%	0.314%
53	20.094	1661	1663	1666	rBV	77816	107983	2.74%	0.233%
54	20.151	1666	1668	1669	rBV	103214	159732	4.06%	0.345%
55	20.186	1669	1671	1673	rVB	343927	460467	11.69%	0.995%
56	20.277	1676	1679	1680	rBV	337355	391707	9.94%	0.846%
57	20.312	1680	1682	1684	rVV2	183121	284973	7.23%	0.616%
58	20.346	1684	1685	1688	rVV	158307	143424	3.64%	0.310%
59	20.426	1690	1692	1693	rVB	105992	120643	3.06%	0.261%
60	20.460	1693	1695	1696	rBV	86333	76713	1.95%	0.166%
61	20.574	1703	1705	1707	rVB2	42646	66277	1.68%	0.143%
62	20.826	1724	1727	1731	rVB	223465	312888	7.94%	0.676%
63	20.963	1736	1739	1740	rBV	282711	342956	8.71%	0.741%
64	21.009	1740	1743	1745	rVB2	244863	421210	10.69%	0.910%
65	21.054	1745	1747	1749	rBV2	152676	196705	4.99%	0.425%
66	21.100	1749	1751	1754	rVB	173049	239419	6.08%	0.517%
67	21.169	1755	1757	1759	rVB	51828	78701	2.00%	0.170%
68	21.272	1761	1766	1768	rBV2	1496500	2769829	70.32%	5.984%
69	21.317	1768	1770	1772	rVV2	1538817	1848344	46.93%	3.993%
70	21.397	1775	1777	1779	rBV	340104	379471	9.63%	0.820%
71	21.454	1780	1782	1784	rVV3	55109	87038	2.21%	0.188%

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72	21.534	1787	1789	1791	rVB2	197086	238086	6.04%	0.514%
73	21.580	1791	1793	1797	rBV2	142134	229389	5.82%	0.496%
74	21.717	1803	1805	1807	rVB2	63342	84114	2.14%	0.182%
75	21.775	1807	1810	1812	rBV	219014	370244	9.40%	0.800%
76	21.809	1812	1813	1815	rVB	95505	88030	2.23%	0.190%
77	21.877	1816	1819	1820	rBV2	84764	157982	4.01%	0.341%
78	21.980	1826	1828	1830	rVV2	75736	107925	2.74%	0.233%
79	22.037	1830	1833	1835	rVB2	73815	130487	3.31%	0.282%
80	22.152	1840	1843	1846	rBV3	153524	295725	7.51%	0.639%
81	22.529	1872	1876	1880	rBV	1239148	2993017	75.99%	6.466%
82	22.620	1880	1884	1886	rVV2	230739	363529	9.23%	0.785%
83	22.746	1891	1895	1896	rBV2	104669	239362	6.08%	0.517%
84	22.815	1898	1901	1903	rVV	712481	1021203	25.93%	2.206%
85	22.872	1903	1906	1908	rVB	1188156	1415585	35.94%	3.058%
86	22.917	1909	1910	1911	rBV	186981	236680	6.01%	0.511%
87	22.952	1911	1913	1915	rVB	338026	382622	9.71%	0.827%
88	23.375	1948	1950	1953	rVB2	91142	126776	3.22%	0.274%
89	23.809	1986	1988	1994	rVB5	134505	299878	7.61%	0.648%
90	23.912	1994	1997	2003	rVV2	171473	363816	9.24%	0.786%
91	24.026	2004	2007	2011	rVB2	586475	1100262	27.93%	2.377%
92	24.152	2016	2018	2020	rBV	109464	215196	5.46%	0.465%
93	24.198	2020	2022	2024	rVB2	86430	137125	3.48%	0.296%
94	24.323	2030	2033	2040	rVB	451684	939859	23.86%	2.030%
95	24.483	2044	2047	2051	rVB2	117640	248003	6.30%	0.536%
96	25.832	2160	2165	2169	rBV	142578	413794	10.51%	0.894%
97	25.958	2172	2176	2178	rBV	102174	228620	5.80%	0.494%
98	26.369	2210	2212	2219	rVB5	37996	108915	2.77%	0.235%
99	26.609	2224	2233	2240	rBV3	101966	586413	14.89%	1.267%
100	26.746	2242	2245	2249	rVB	48564	128089	3.25%	0.277%

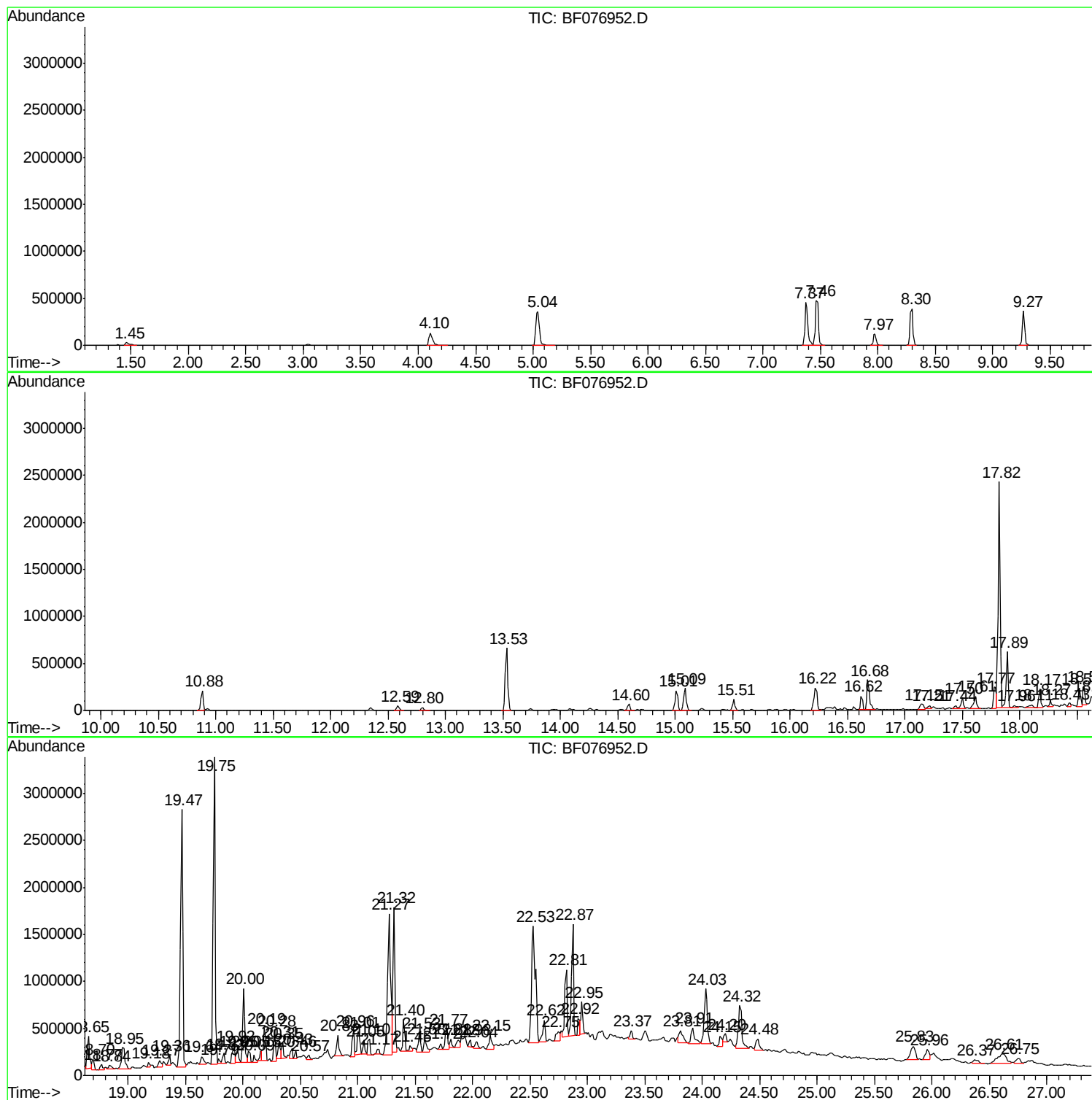
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Instrument :
BNA_F
ClientSampled :
SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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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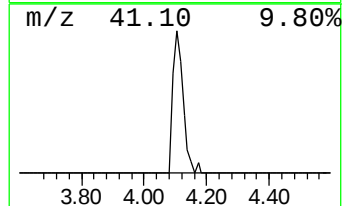
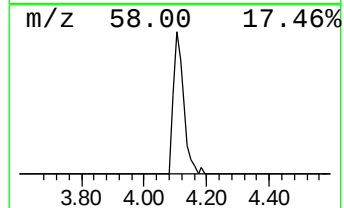
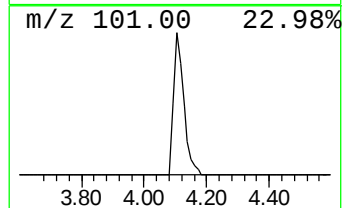
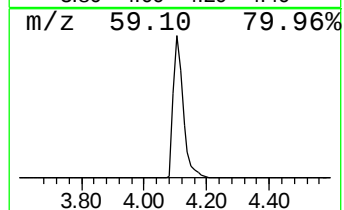
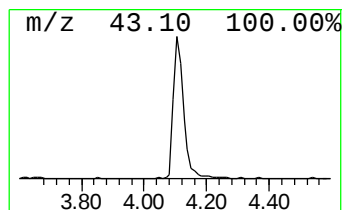
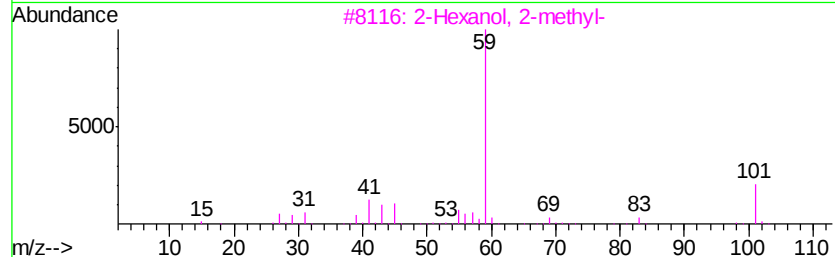
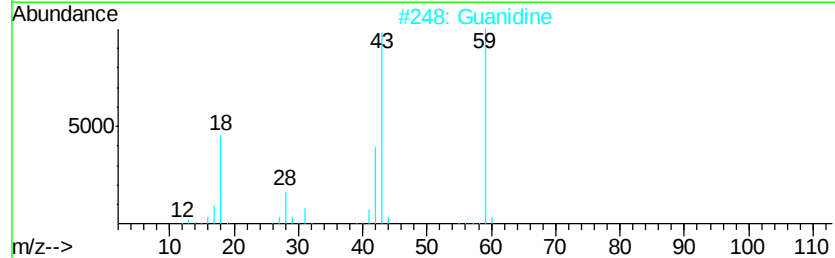
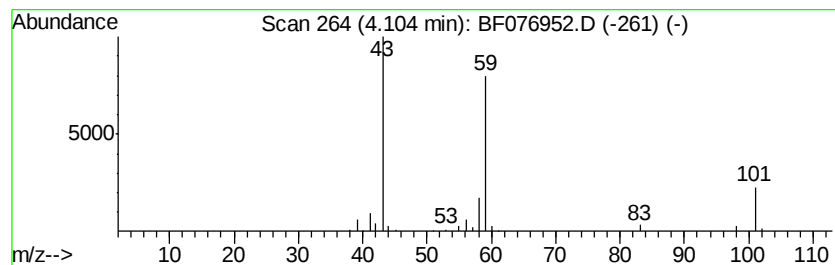
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.10	25.16 ng	276013	1,4-Dichlorobenzene-d4	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Guanidine	59	CH5N3	000113-00-8	50
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	45
4	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	36
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	33



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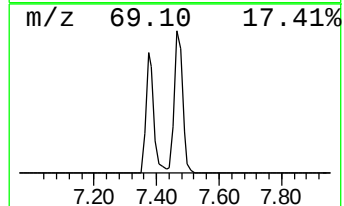
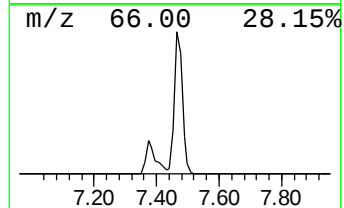
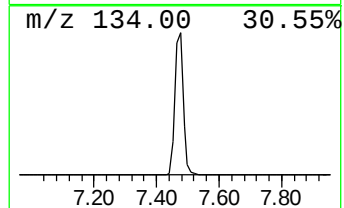
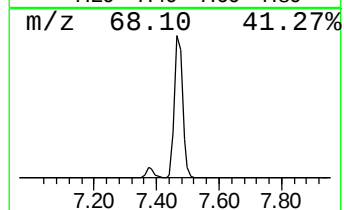
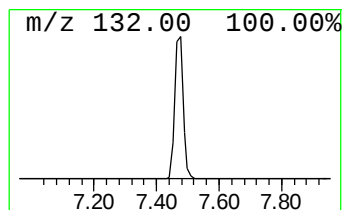
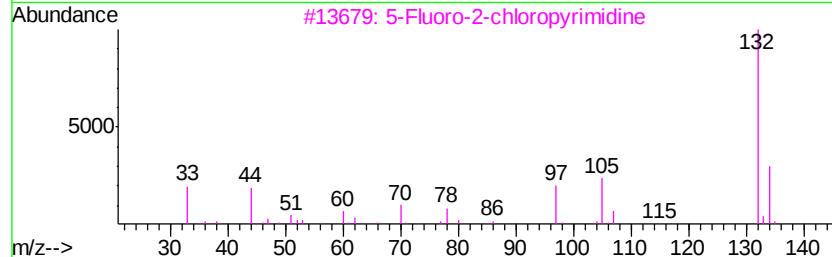
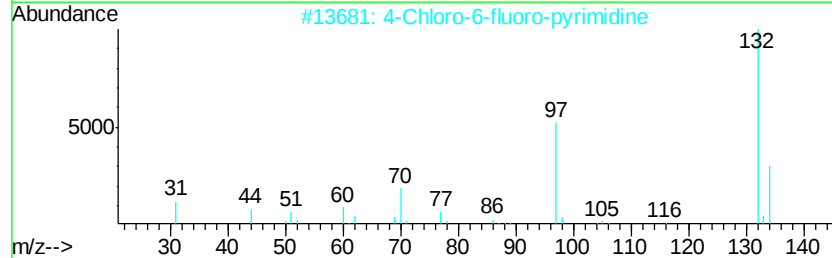
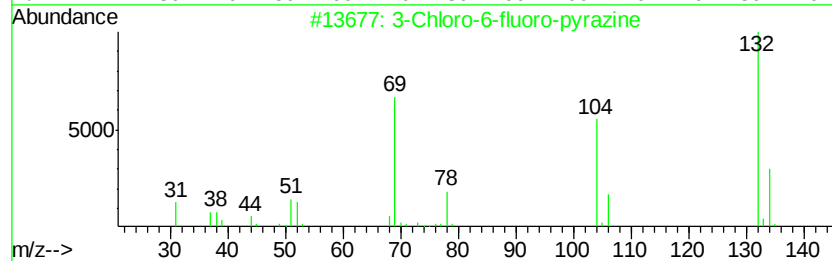
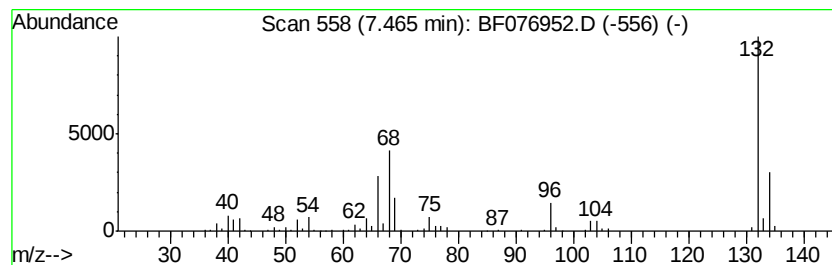
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	78.69 ng	863280	1,4-Dichlorobenzene-d4	7.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10



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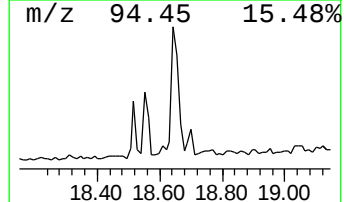
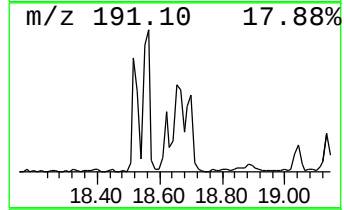
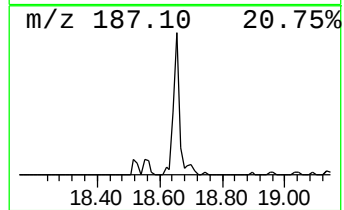
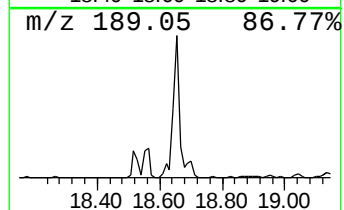
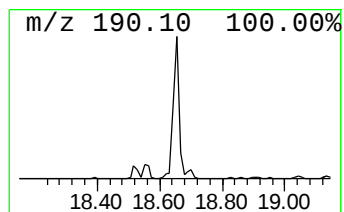
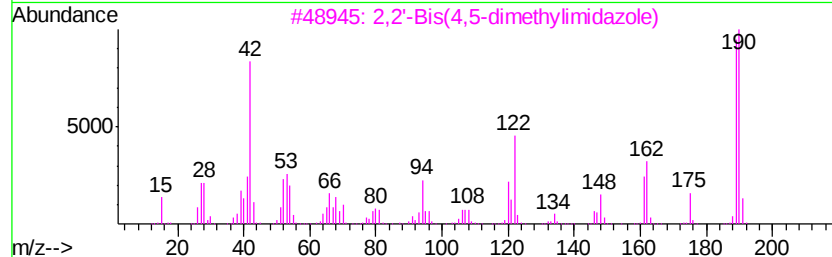
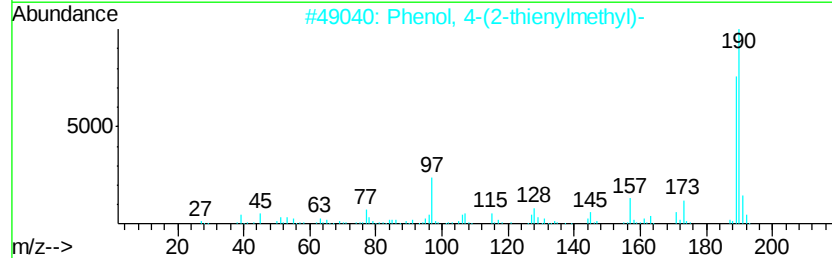
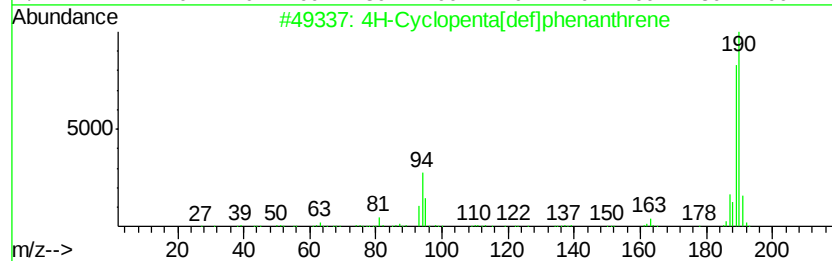
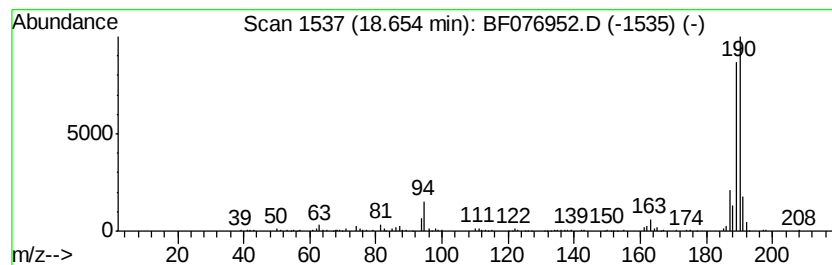
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.65	21.13 ng	452813	Phenanthrene-d10	17.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	45



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Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

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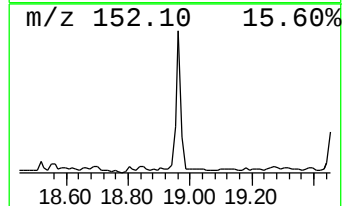
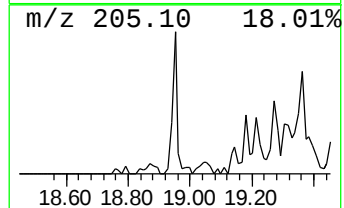
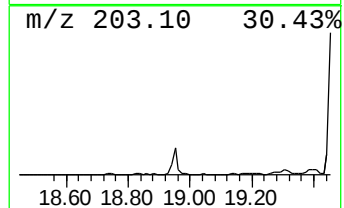
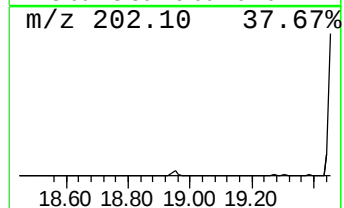
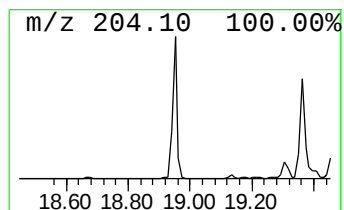
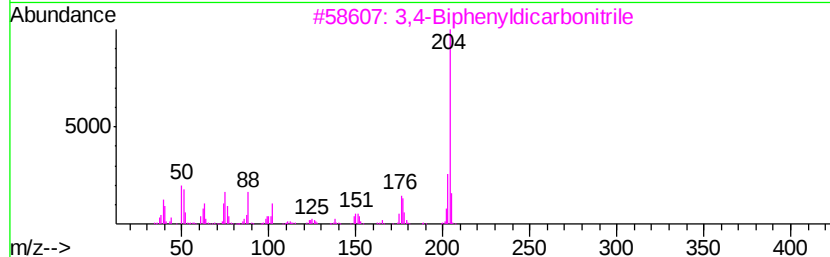
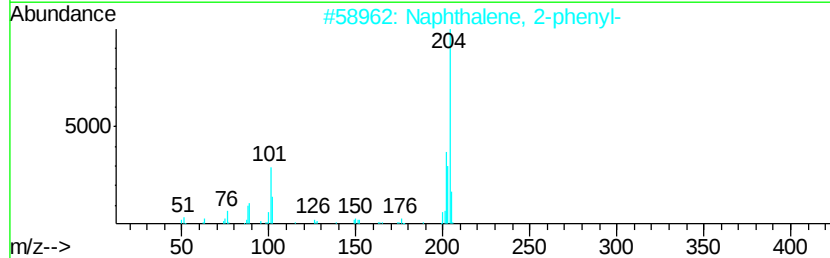
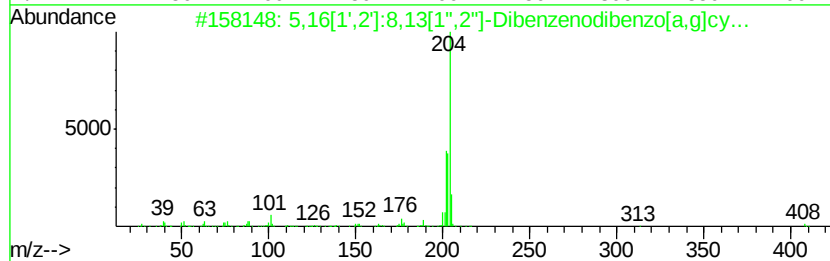
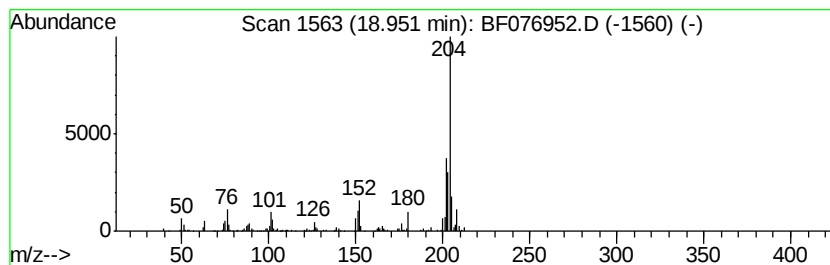
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	21.16 ng	453446	Phenanthrene-d10	17.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	52
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

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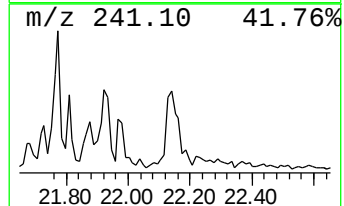
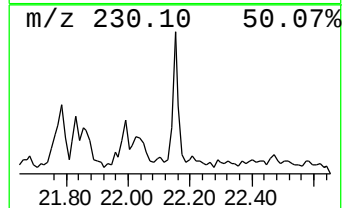
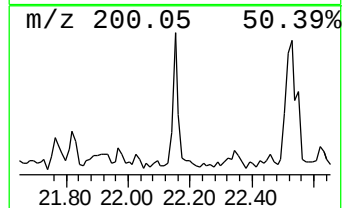
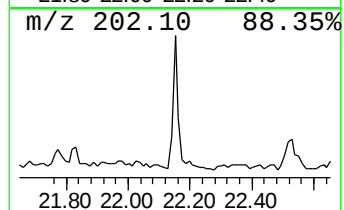
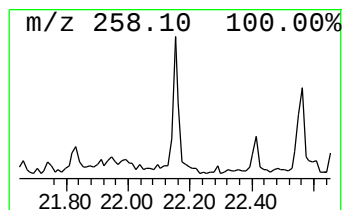
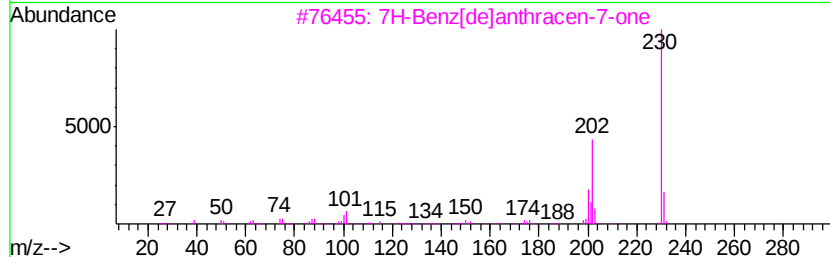
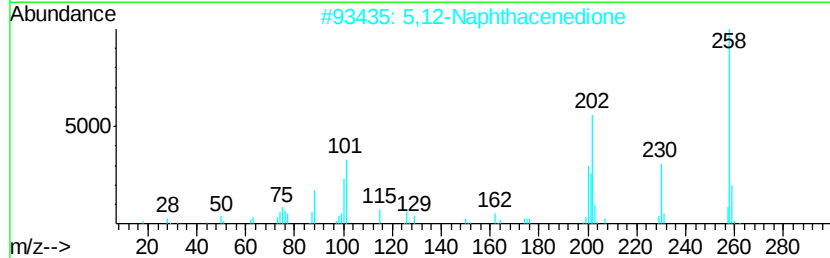
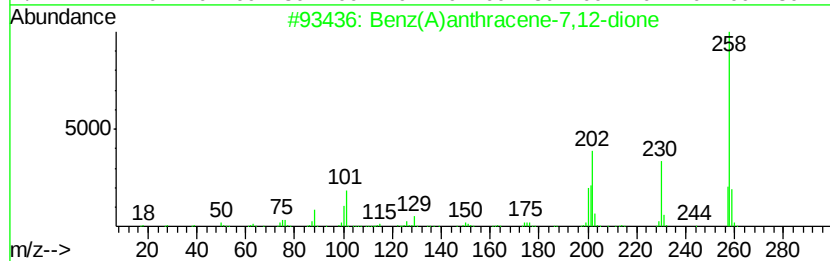
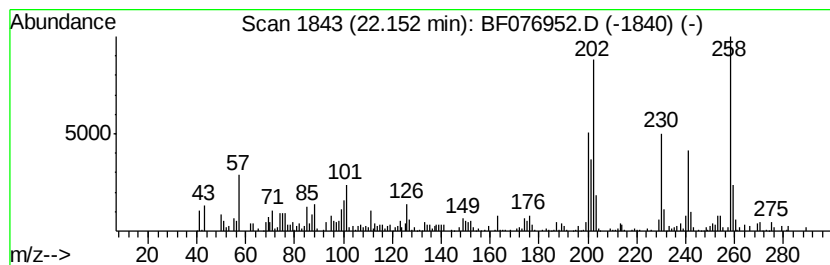
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benz(A)anthracene-7,12-dione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.15	24.99 ng	295725	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	91
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
4		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	58
5		Benzo[1,2-b:4,3-b']bisbenzofuran	258	C18H10O2	000192-93-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

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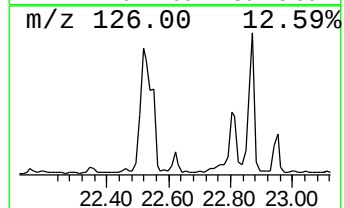
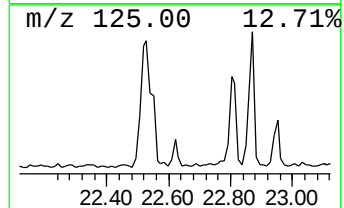
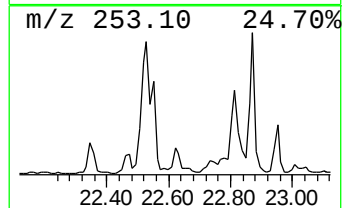
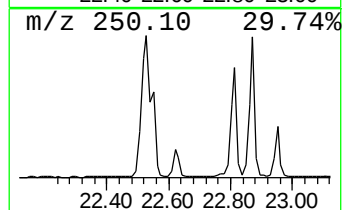
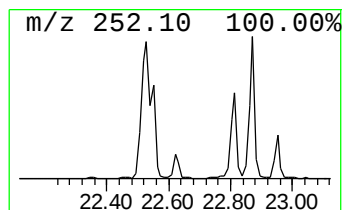
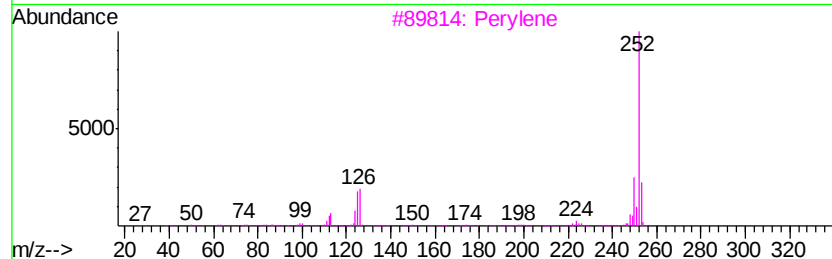
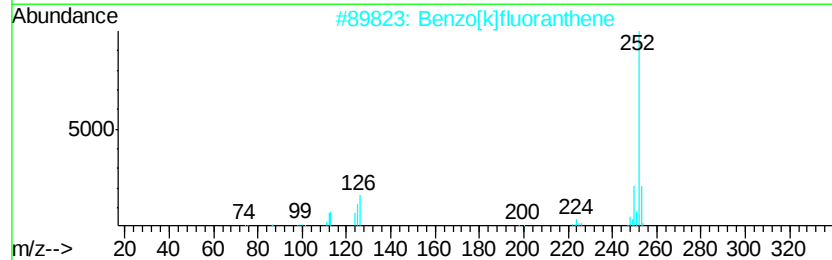
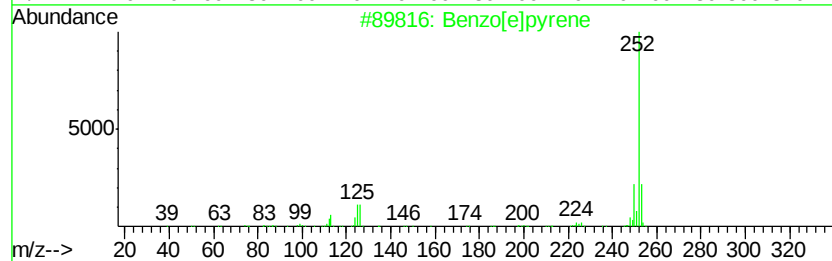
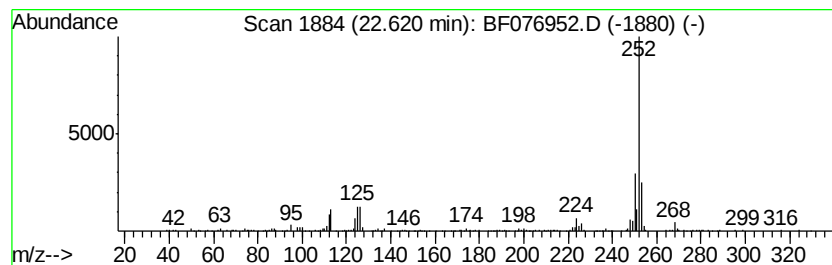
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.62	30.72 ng	363529	Perylene-d12	22.92

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		Perylene	252	C20H12	000198-55-0	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

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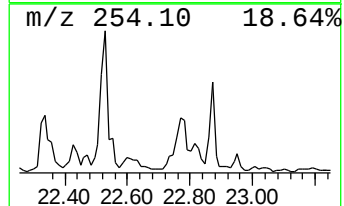
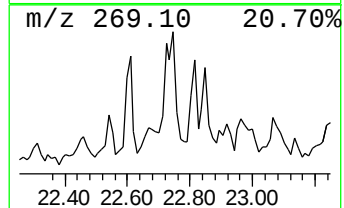
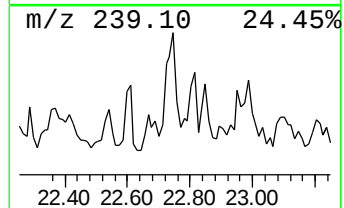
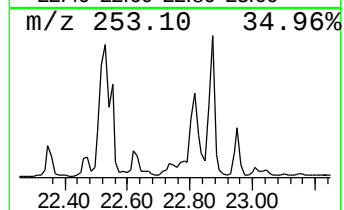
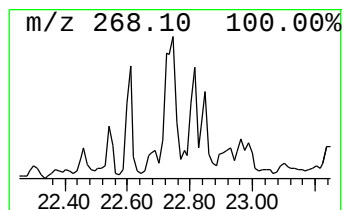
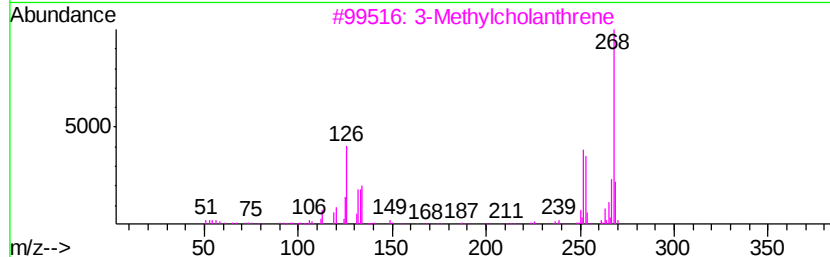
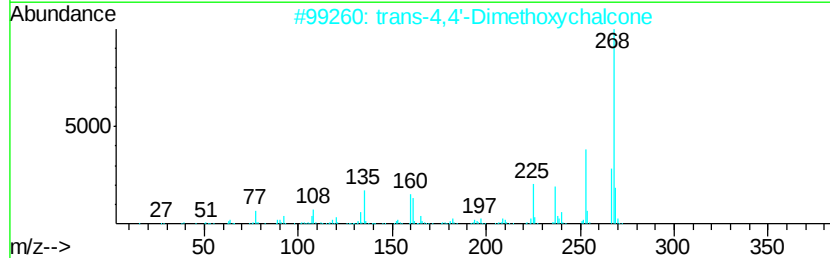
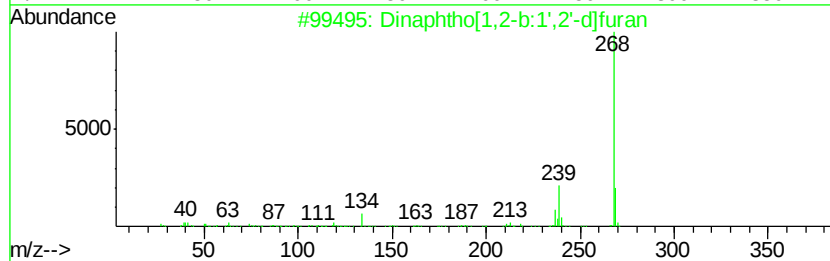
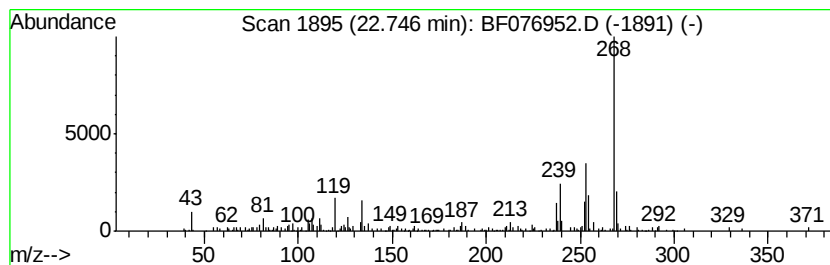
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	20.23 ng	239362	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	76
3		3-Methylcholanthrene	268	C21H16	000056-49-5	58
4		4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	58
5		Benzene, 1,1'-(1-ethyl-1,2-ethen...	268	C18H20O2	025346-90-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

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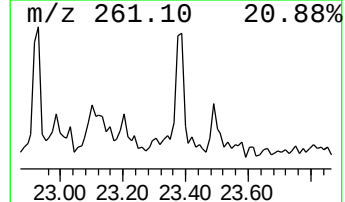
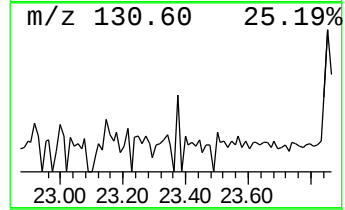
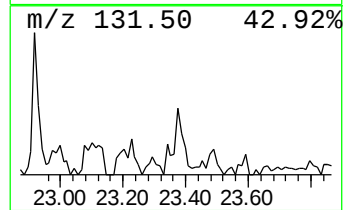
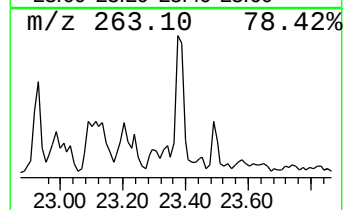
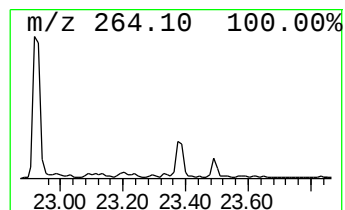
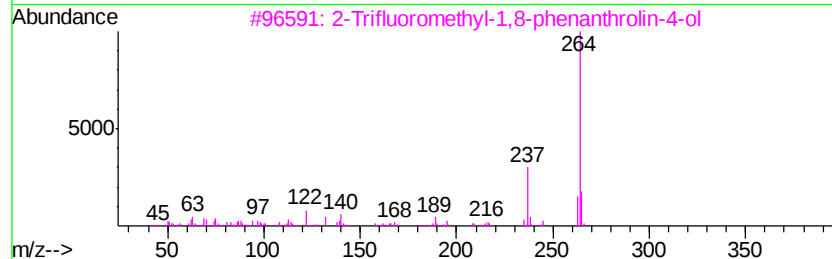
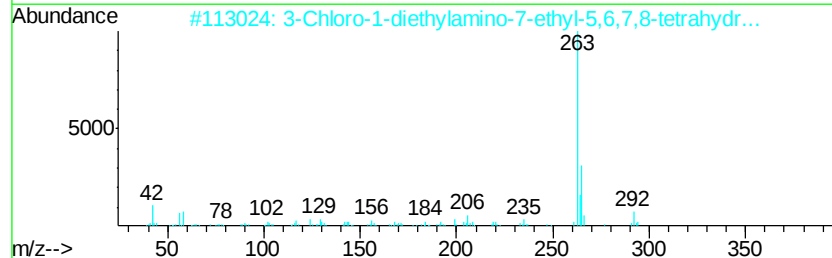
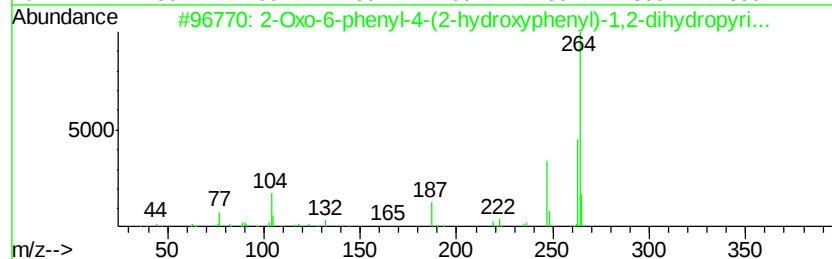
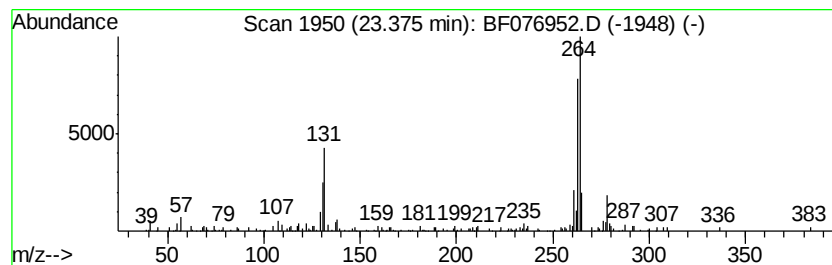
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown23.37 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.37	10.71 ng	126776	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Oxo-6-phenyl-4-(2-hydroxyphenyl)-1,2-dihydropyridine	264	C16H12N2O2	017432-82-5	38
2		3-Chloro-1-diethylamino-7-ethyl-5,6,7,8-tetrahydro-1H-benzodiazepine	292	C15H21ClN4	1000274-36-7	22
3		2-Trifluoromethyl-1,8-phenanthroline	264	C13H7F3N2O	1000255-81-8	22
4		7,9-Diamino-5,6,8,10-tetraaza-benzodiazepine	264	C13H8N6O	052559-29-2	22
5		Trimethyl(2,6 ditert-butylphenoxy)silane	278	C17H30OSi	010416-73-6	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
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Operator : IZ / TP
Sample : G1076-01
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Instrument :
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ClientSampleId :
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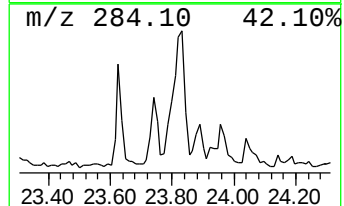
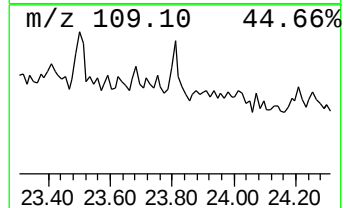
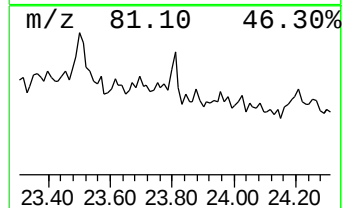
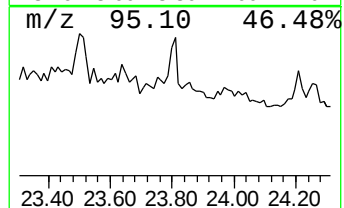
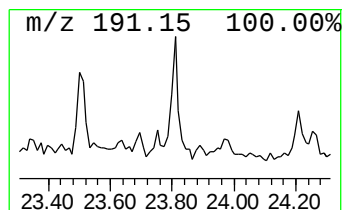
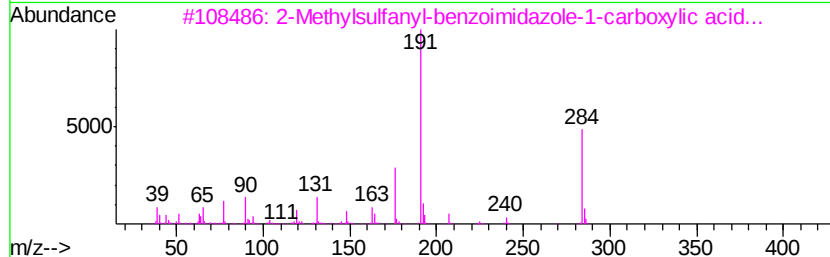
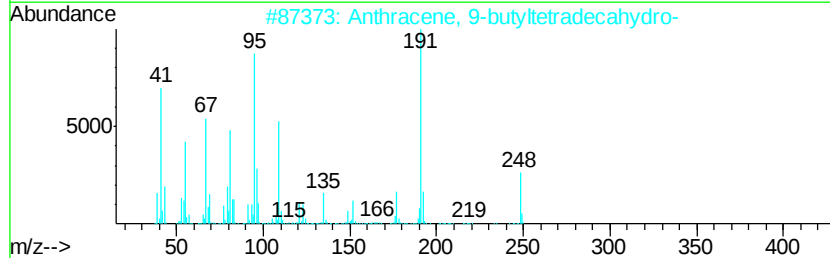
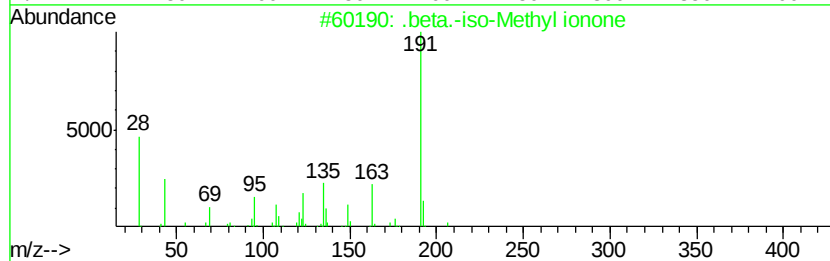
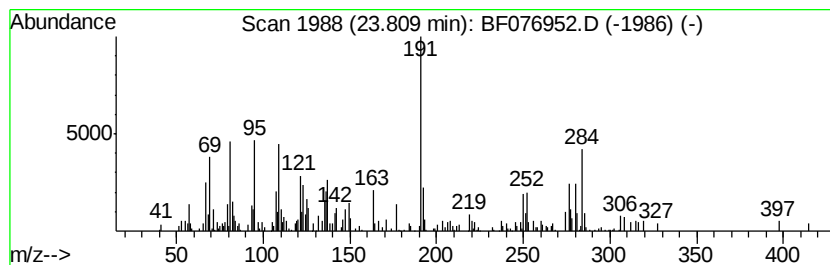
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown23.81 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.81	25.34 ng	299878	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	46
2		Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	37
3		2-Methylsulfanyl-benzimidazole-...	284	C15H12N2O2S	1000294-32-8	30
4		Anthracene, 9-[2,2-bis(hydroxyme...	280	C19H20O2	144000-85-1	27
5		3,3,3-Trifluoro-2-hydroxy-2-(4-h...	250	C10H9F3O4	1000295-91-9	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
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ClientSampleId :
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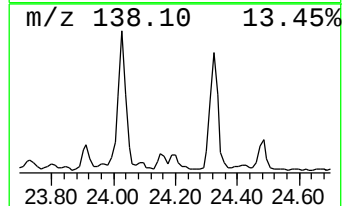
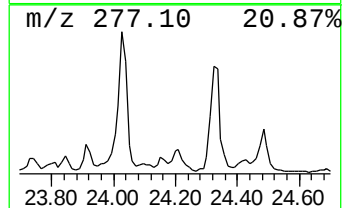
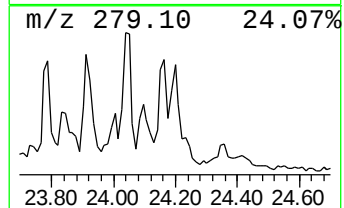
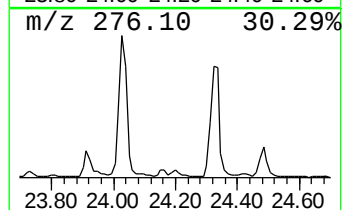
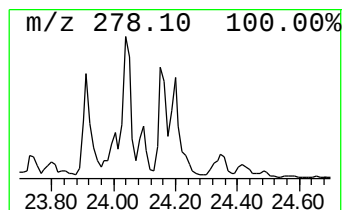
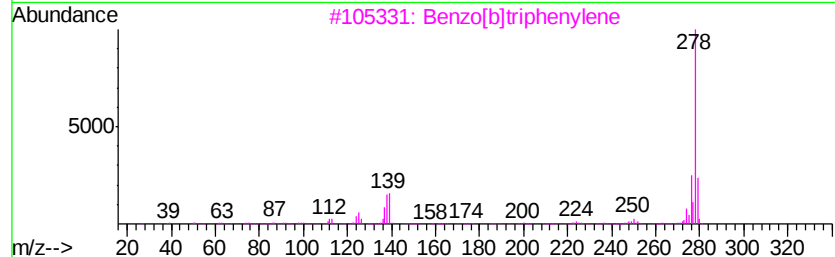
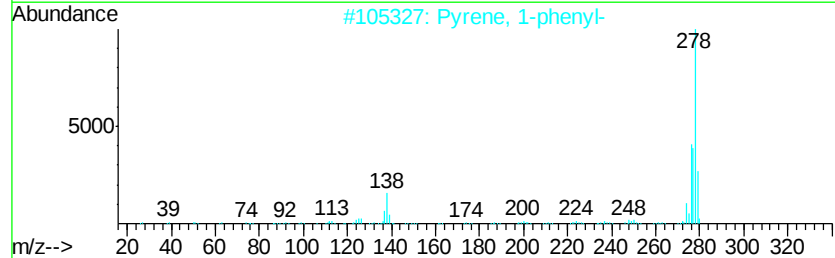
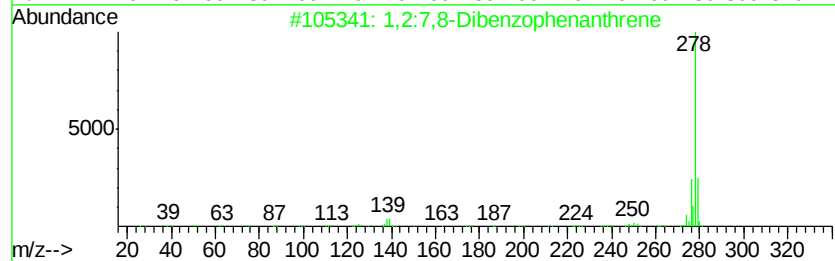
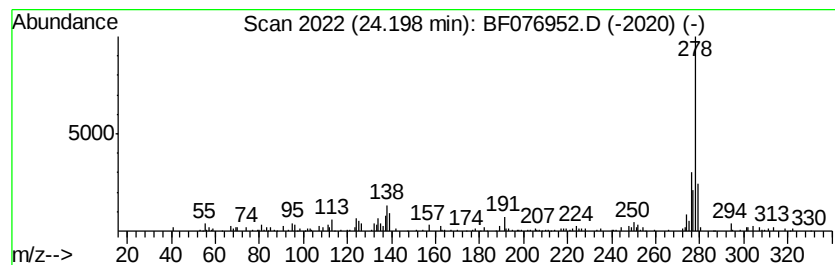
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,2:7,8-Dibenzophenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	11.59 ng	137125	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	86
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	86
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	70
5		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

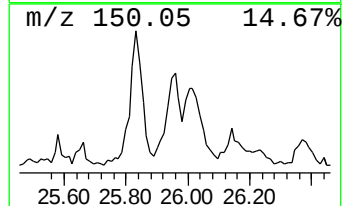
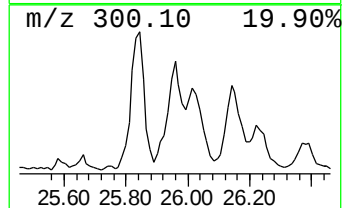
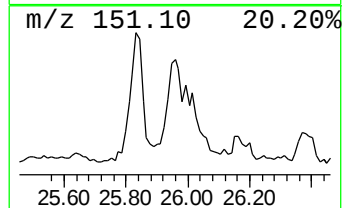
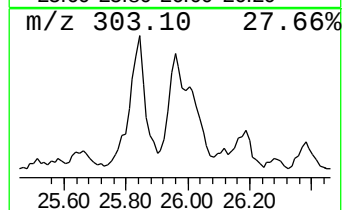
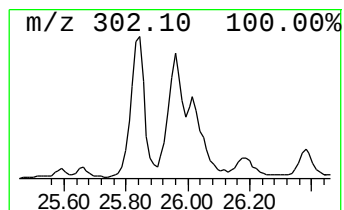
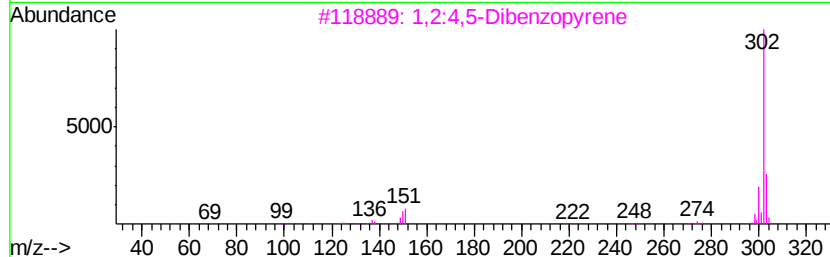
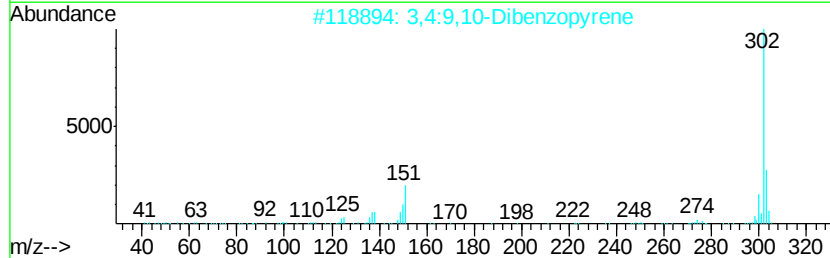
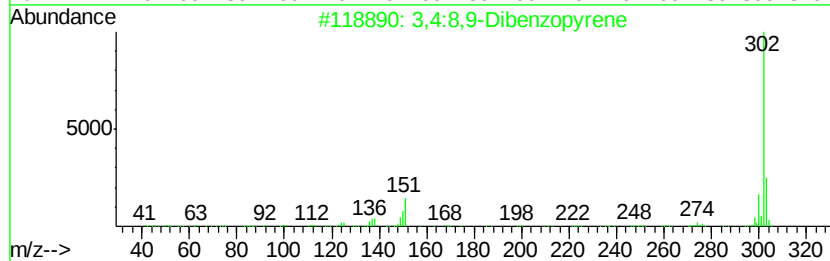
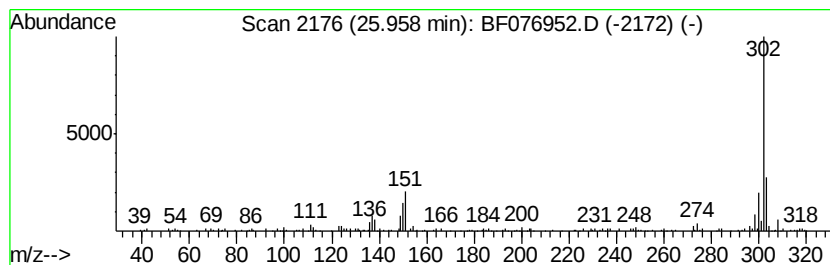
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3,4:8,9-Dibenzopyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.96	19.32 ng	228620	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
2		3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	90
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	81
4		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70
5		Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

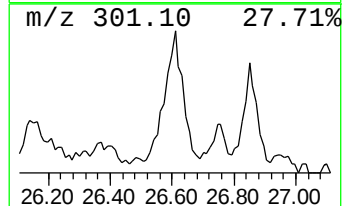
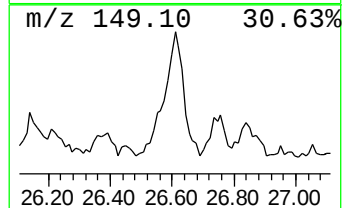
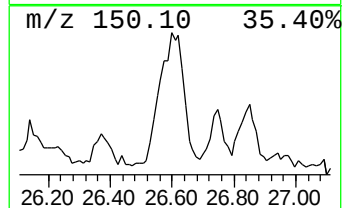
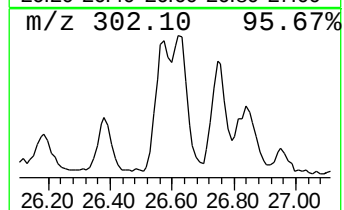
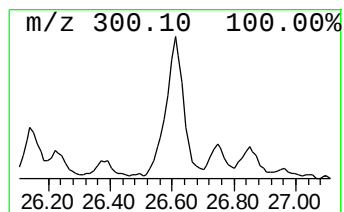
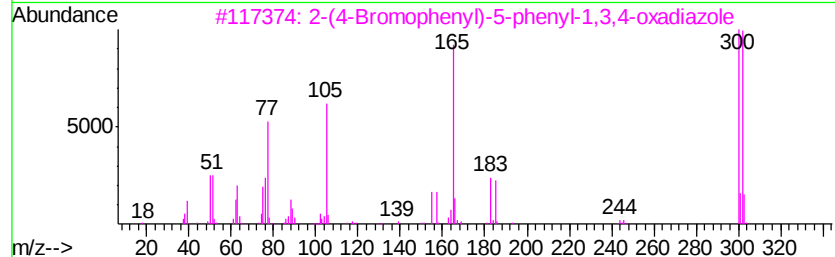
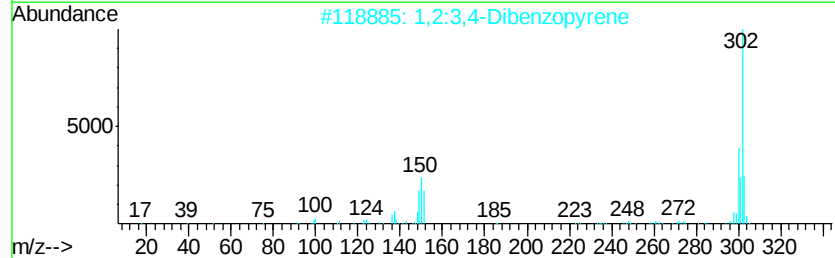
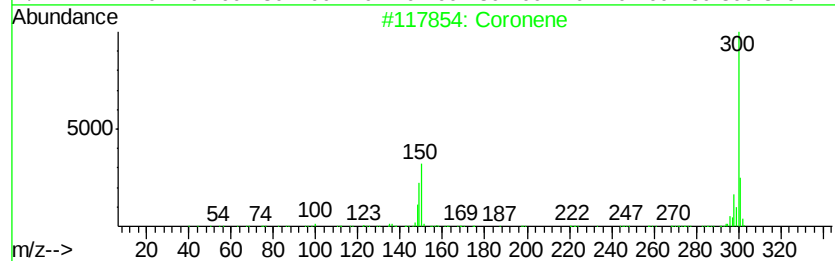
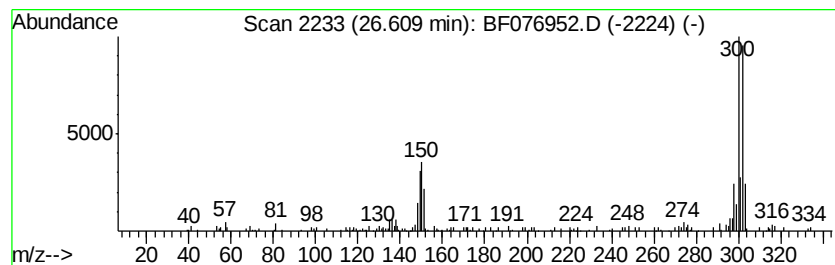
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Coronene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.61	49.55 ng	586413	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Coronene	300	C24H12	000191-07-1	91
2		1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	78
3		2-(4-Bromophenyl)-5-phenyl-1,3,4...	300	C14H9BrN2O	021510-43-0	47
4		Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	46
5		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076952.D
Acq On : 20 Jan 2015 6:19
Operator : IZ / TP
Sample : G1076-01
Misc : W
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

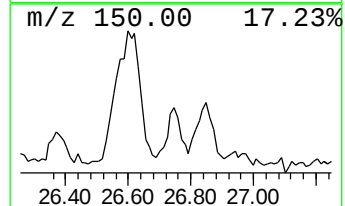
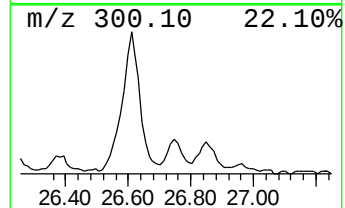
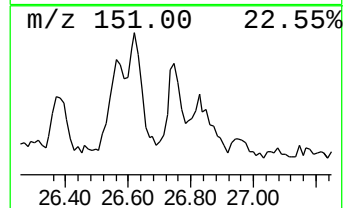
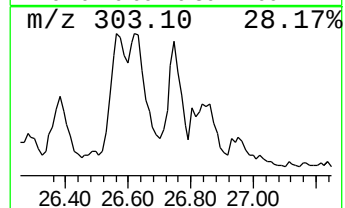
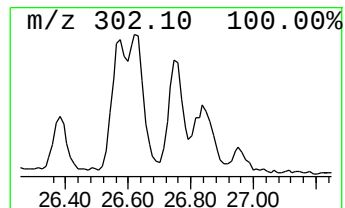
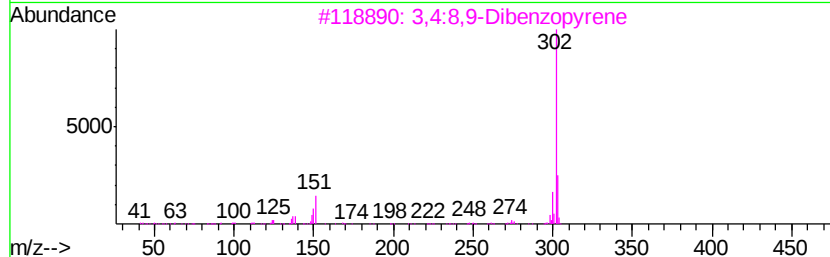
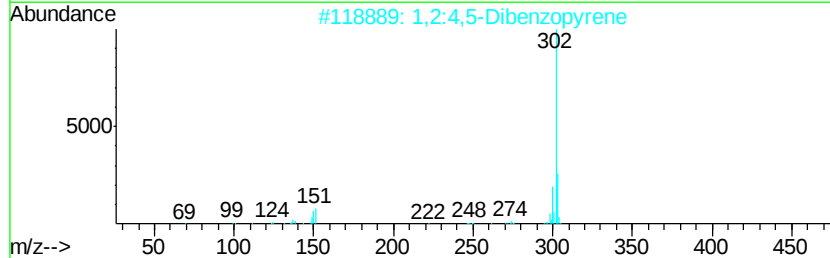
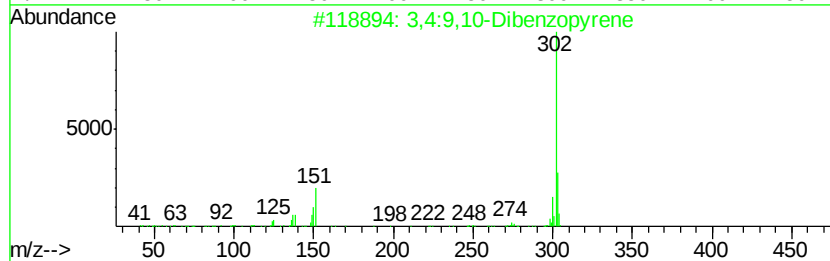
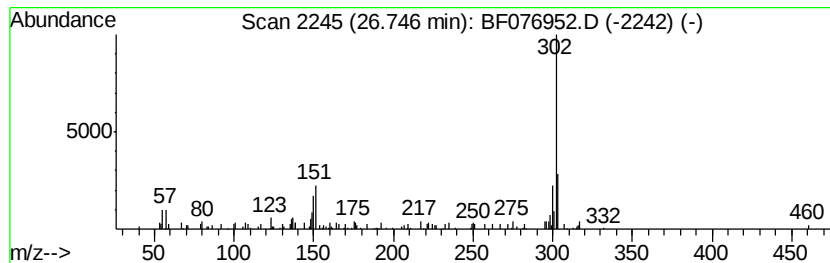
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.75	10.82 ng	128089	Perylene-d12	22.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	76
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	76
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	74
4		Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	62
5		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
 Data File : BF076952.D
 Acq On : 20 Jan 2015 6:19
 Operator : IZ / TP
 Sample : G1076-01
 Misc : W
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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...	4.10	25.2	ng	276013	1	7.98	219415	20.0
unknown7.46	7.46	78.7	ng	863280	1	7.98	219415	20.0
4H-Cyclopenta[def...	18.65	21.1	ng	452813	4	17.79	428511	20.0
5,16[1',2']:8,13[...	18.95	21.2	ng	453446	4	17.79	428511	20.0
Benz(A)anthracene...	22.15	25.0	ng	295725	6	22.92	236680	20.0
Benzo[e]pyrene	22.62	30.7	ng	363529	6	22.92	236680	20.0
Dinaphtho[1,2-b:1...	22.75	20.2	ng	239362	6	22.92	236680	20.0
unknown23.37	23.37	10.7	ng	126776	6	22.92	236680	20.0
unknown23.81	23.81	25.3	ng	299878	6	22.92	236680	20.0
1,2:7,8-Dibenzoph...	24.20	11.6	ng	137125	6	22.92	236680	20.0
3,4:8,9-Dibenzopy...	25.96	19.3	ng	228620	6	22.92	236680	20.0
Coronene	26.61	49.5	ng	586413	6	22.92	236680	20.0
3,4:9,10-Dibenzop...	26.75	10.8	ng	128089	6	22.92	236680	20.0