

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
 Data File : BF076954.D
 Acq On : 20 Jan 2015 7:27
 Operator : IZ / TP
 Sample : G1076-05
 Misc : W
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

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	1.464	31	33	42	rBV2	21781	52968	1.79%	0.142%
2	4.104	261	264	276	rBV	102021	236245	7.99%	0.633%
3	5.041	342	346	355	rBV	428781	787397	26.62%	2.110%
4	7.373	547	550	555	rBV	501726	800927	27.08%	2.146%
5	7.464	555	558	566	rVB	489676	864627	29.24%	2.317%
6	7.979	599	603	606	rBV	127938	211494	7.15%	0.567%
7	8.299	627	631	634	rBV	400444	628109	21.24%	1.683%
8	9.270	712	716	719	rBV	340502	505138	17.08%	1.354%
9	10.882	854	857	860	rBV	208775	306300	10.36%	0.821%
10	13.534	1085	1089	1092	rBV	655419	951520	32.17%	2.550%
11	14.597	1179	1182	1185	rVB	55767	79655	2.69%	0.213%
12	15.008	1215	1218	1222	rBV	196986	331327	11.20%	0.888%
13	15.088	1222	1225	1229	rVB	139541	219836	7.43%	0.589%
14	15.511	1259	1262	1267	rVB	49693	73307	2.48%	0.196%
15	16.231	1322	1325	1328	rBV2	103650	154306	5.22%	0.414%
16	16.631	1357	1360	1362	rBV	119860	164695	5.57%	0.441%
17	16.677	1362	1364	1369	rVB2	379409	620304	20.97%	1.662%
18	17.500	1433	1436	1438	rVB2	85483	102123	3.45%	0.274%
19	17.614	1442	1446	1450	rBV3	66514	119105	4.03%	0.319%
20	17.786	1458	1461	1462	rBV	240268	386818	13.08%	1.037%
21	17.820	1462	1464	1466	rVV	1372708	1495217	50.56%	4.007%
22	17.888	1466	1470	1473	rVB	333665	403250	13.64%	1.081%
23	18.106	1483	1489	1493	rVB2	30899	57078	1.93%	0.153%
24	18.174	1493	1495	1497	rBV	185073	194012	6.56%	0.520%
25	18.266	1501	1503	1505	rBV2	37244	44882	1.52%	0.120%
26	18.437	1516	1518	1523	rBV3	19268	45604	1.54%	0.122%
27	18.517	1523	1525	1527	rBV	100076	134225	4.54%	0.360%
28	18.563	1527	1529	1531	rBV	116536	156621	5.30%	0.420%
29	18.620	1533	1534	1535	rBV	56847	57081	1.93%	0.153%
30	18.654	1535	1537	1539	rVV2	224664	266831	9.02%	0.715%
31	18.700	1539	1541	1543	rVB	74583	95343	3.22%	0.256%
32	18.768	1545	1547	1549	rBV2	26145	41562	1.41%	0.111%
33	18.963	1561	1564	1569	rVB3	166593	312896	10.58%	0.838%
34	19.283	1589	1592	1593	rBV	48142	86482	2.92%	0.232%

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35	19.363	1596	1599	1600	rBV	94760	114755	3.88%	0.308%
36	19.386	1600	1601	1605	rVB4	27733	48509	1.64%	0.130%
37	19.466	1605	1608	1611	rBV	2345453	2612677	88.34%	7.001%
38	19.649	1622	1624	1627	rBV3	71204	127623	4.32%	0.342%
39	19.751	1630	1633	1635	rBV	2612646	2957399	100.00%	7.925%
40	19.797	1635	1637	1638	rBV2	25423	42123	1.42%	0.113%
41	19.831	1638	1640	1642	rVB	75910	81119	2.74%	0.217%
42	19.900	1645	1646	1649	rVV2	149335	288359	9.75%	0.773%
43	19.946	1649	1650	1653	rVB	114624	167073	5.65%	0.448%
44	20.014	1653	1656	1658	rBV	651476	1018648	34.44%	2.730%
45	20.060	1658	1660	1662	rVB	85408	118367	4.00%	0.317%
46	20.094	1662	1663	1666	rBV2	61058	74535	2.52%	0.200%
47	20.186	1666	1671	1674	rBV2	215823	454383	15.36%	1.218%
48	20.277	1677	1679	1681	rBV	221323	270100	9.13%	0.724%
49	20.311	1681	1682	1684	rVV	144148	207364	7.01%	0.556%
50	20.346	1684	1685	1688	rVV	136524	127149	4.30%	0.341%
51	20.426	1690	1692	1694	rVV	80878	84940	2.87%	0.228%
52	20.460	1694	1695	1697	rVV	67710	52350	1.77%	0.140%
53	20.803	1722	1725	1726	rBV	123831	216857	7.33%	0.581%
54	20.826	1726	1727	1731	rVB	176285	213156	7.21%	0.571%
55	20.963	1736	1739	1741	rBV	229048	302024	10.21%	0.809%
56	21.009	1741	1743	1745	rVB2	219521	339188	11.47%	0.909%
57	21.054	1745	1747	1749	rBV2	115958	159872	5.41%	0.428%
58	21.100	1749	1751	1754	rVB	162190	229949	7.78%	0.616%
59	21.180	1755	1758	1760	rVB	56889	85568	2.89%	0.229%
60	21.272	1761	1766	1768	rBV2	1205986	2221072	75.10%	5.952%
61	21.317	1768	1770	1772	rVV2	1249190	1478929	50.01%	3.963%
62	21.397	1775	1777	1780	rVV2	232438	275154	9.30%	0.737%
63	21.454	1780	1782	1784	rVV2	50479	77700	2.63%	0.208%
64	21.534	1787	1789	1791	rVB2	163817	206319	6.98%	0.553%
65	21.580	1791	1793	1798	rBV2	118426	221084	7.48%	0.592%
66	21.717	1803	1805	1807	rVB3	40473	76784	2.60%	0.206%
67	21.774	1807	1810	1812	rBV	170624	268592	9.08%	0.720%
68	21.809	1812	1813	1816	rVB	68374	83025	2.81%	0.222%
69	21.877	1816	1819	1820	rBV3	61419	116737	3.95%	0.313%
70	21.980	1826	1828	1831	rVV3	61408	95368	3.22%	0.256%
71	22.037	1831	1833	1835	rVB2	73919	108487	3.67%	0.291%

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72	22.152	1840	1843	1846	rBV3	104816	202566	6.85%	0.543%
73	22.335	1857	1859	1863	rVB2	51982	113105	3.82%	0.303%
74	22.472	1869	1871	1873	rVB3	42256	58139	1.97%	0.156%
75	22.529	1873	1876	1881	rVB	1165049	2410269	81.50%	6.459%
76	22.632	1881	1885	1887	rBV2	198069	318452	10.77%	0.853%
77	22.746	1892	1895	1896	rBV2	79116	160923	5.44%	0.431%
78	22.815	1899	1901	1904	rVV	628045	768210	25.98%	2.059%
79	22.883	1904	1907	1909	rVB	740967	1146409	38.76%	3.072%
80	22.929	1909	1911	1913	rBV	213363	393693	13.31%	1.055%
81	22.963	1913	1914	1916	rVB	273294	203335	6.88%	0.545%
82	23.146	1924	1930	1933	rVB4	83541	307146	10.39%	0.823%
83	23.215	1933	1936	1938	rBV2	60106	136070	4.60%	0.365%
84	23.398	1949	1952	1954	rVB	72996	119742	4.05%	0.321%
85	23.512	1959	1962	1966	rVB4	70199	160520	5.43%	0.430%
86	23.763	1981	1984	1985	rBV2	50409	79875	2.70%	0.214%
87	23.832	1985	1990	1996	rVB7	85476	301635	10.20%	0.808%
88	23.935	1996	1999	2005	rBV2	145135	285626	9.66%	0.765%
89	24.049	2005	2009	2013	rVB2	479862	917900	31.04%	2.460%
90	24.118	2013	2015	2018	rVB	40392	61176	2.07%	0.164%
91	24.175	2018	2020	2022	rBV2	123144	220921	7.47%	0.592%
92	24.220	2022	2024	2026	rVB2	80905	113705	3.84%	0.305%
93	24.346	2032	2035	2039	rBV	373696	620129	20.97%	1.662%
94	24.495	2045	2048	2055	rVB3	120662	321629	10.88%	0.862%
95	25.855	2163	2167	2172	rVB2	112632	330042	11.16%	0.884%
96	25.981	2174	2178	2182	rBV	83734	269176	9.10%	0.721%
97	26.404	2213	2215	2222	rVB5	36075	95492	3.23%	0.256%
98	26.644	2228	2236	2243	rVB2	74397	364849	12.34%	0.978%
99	26.781	2244	2248	2252	rVV2	42906	128436	4.34%	0.344%
100	26.872	2252	2256	2261	rVB4	28966	96441	3.26%	0.258%

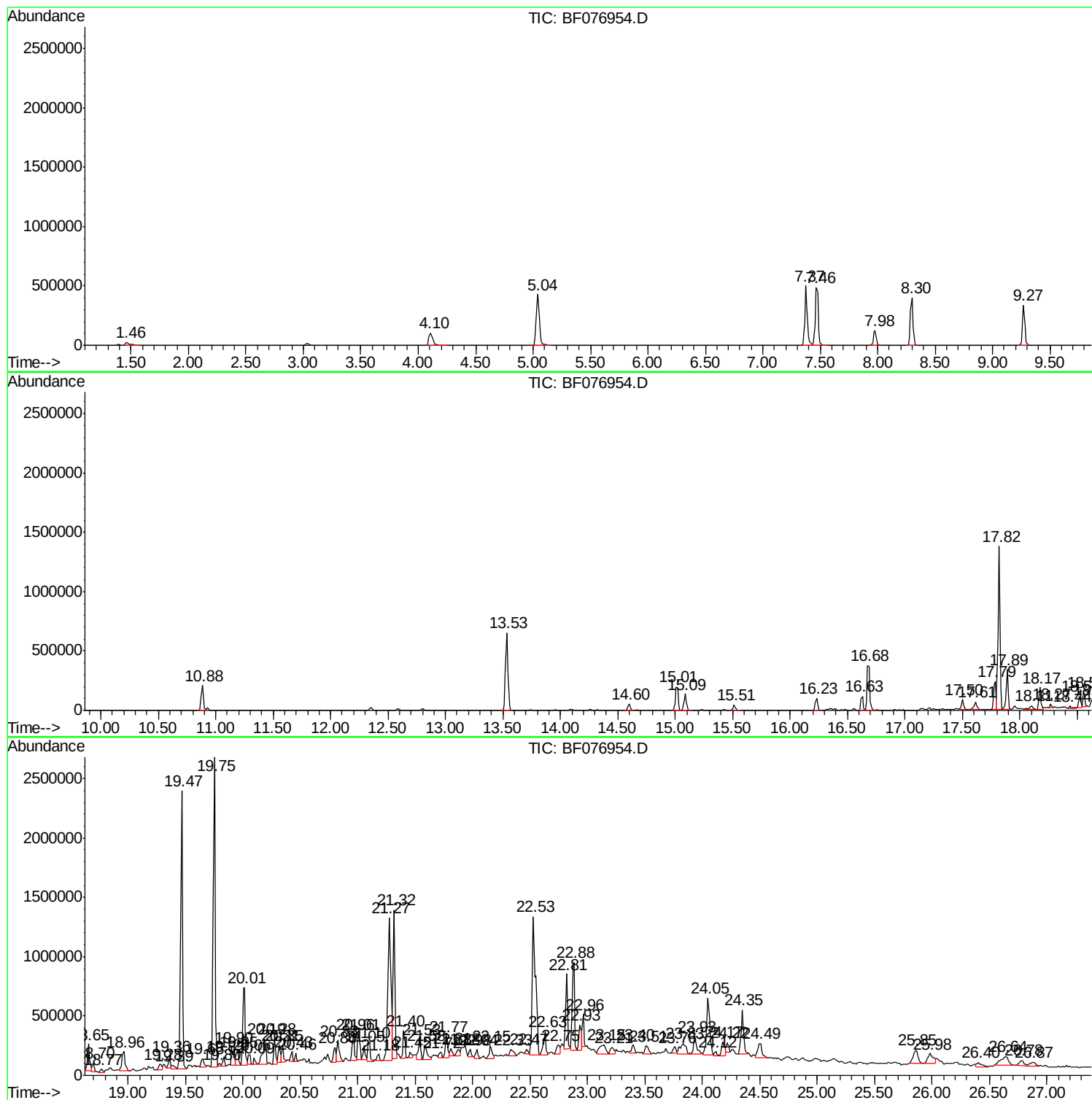
Sum of corrected areas: 37316234

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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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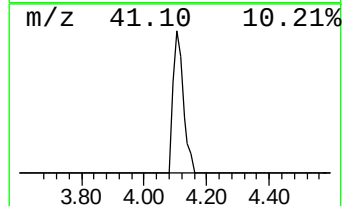
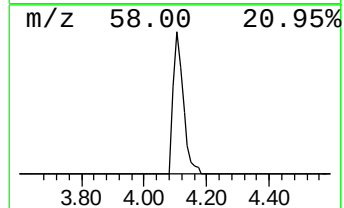
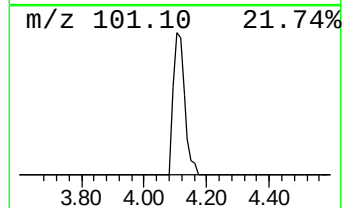
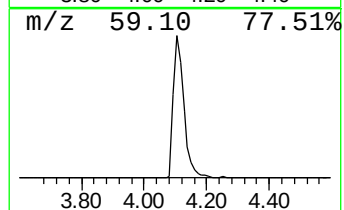
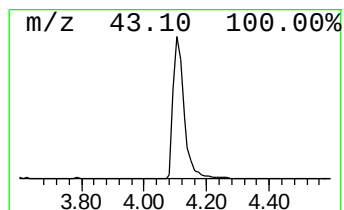
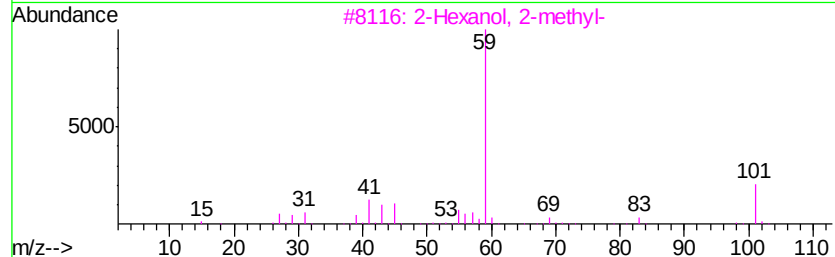
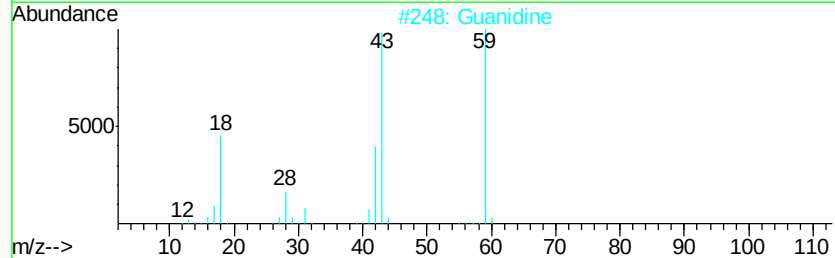
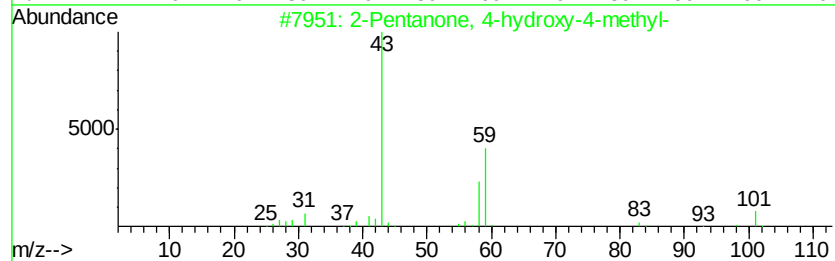
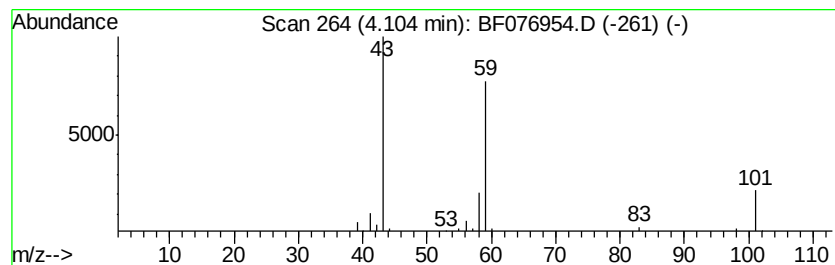
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.10	22.34 ng	236245	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	50
2	Guanidine	59	CH5N3	000113-00-8	50
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	36
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	28



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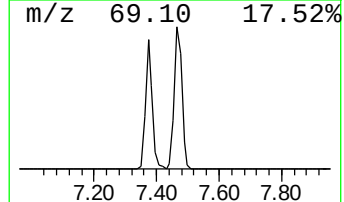
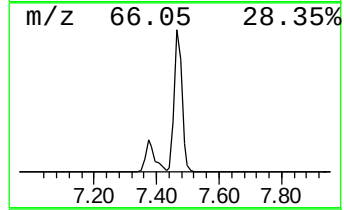
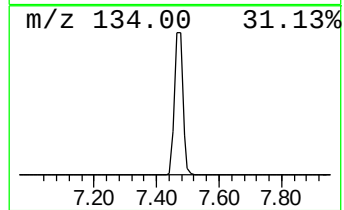
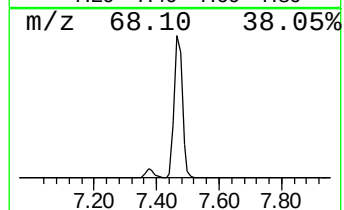
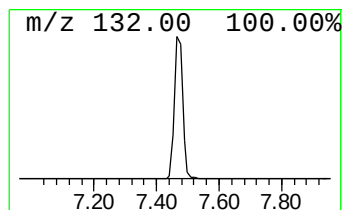
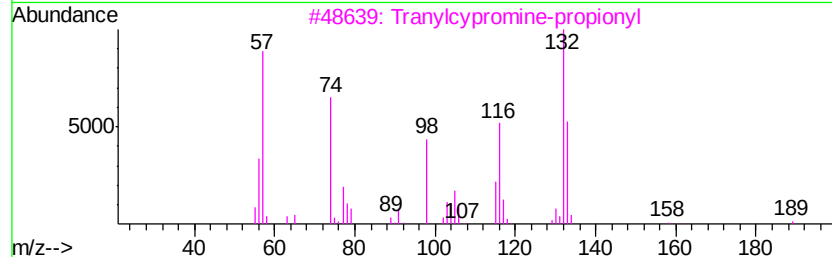
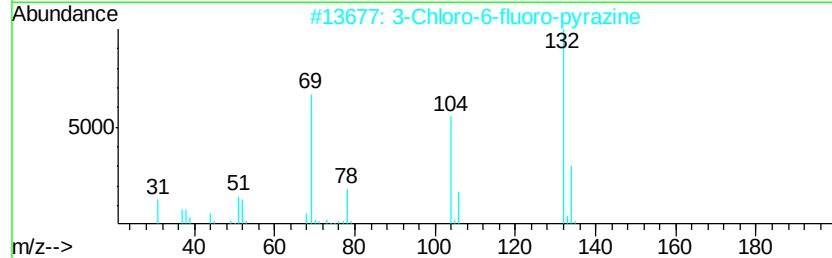
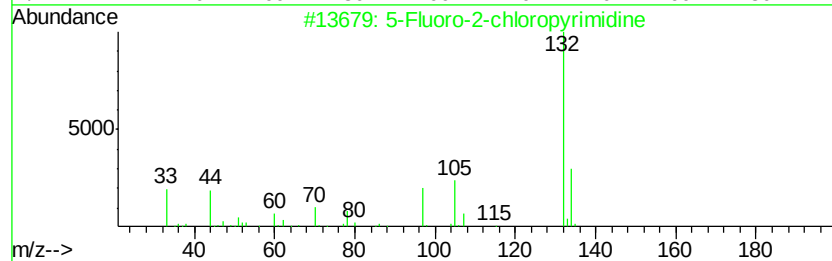
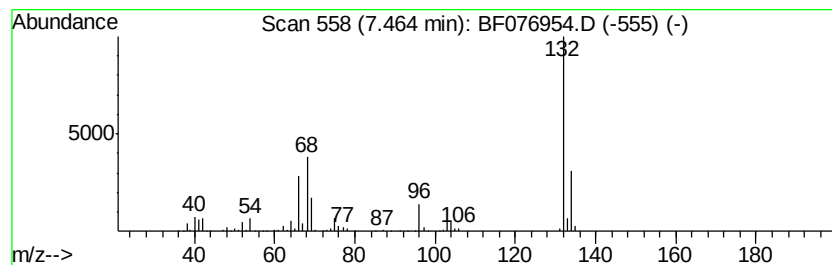
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	81.76 ng	864627	1,4-Dichlorobenzene-d4	7.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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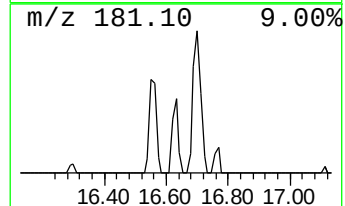
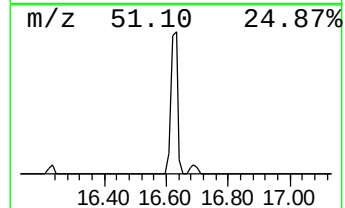
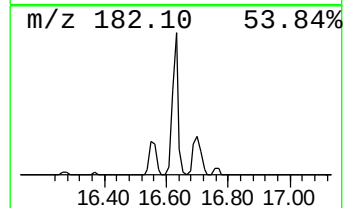
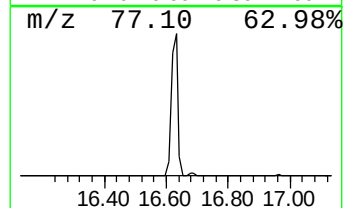
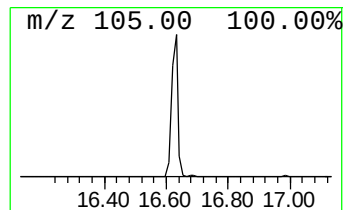
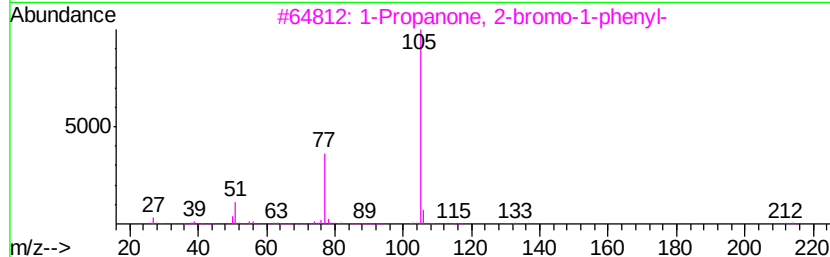
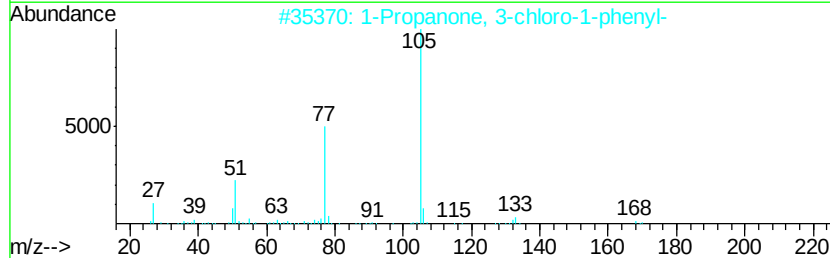
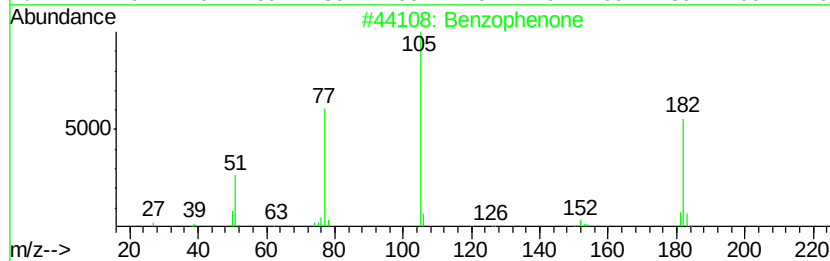
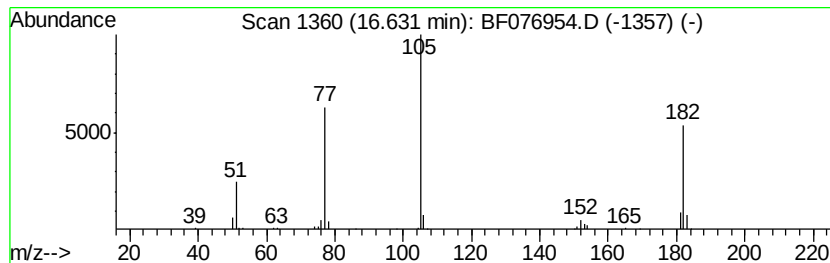
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Peak Number 4 Benzophenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.63	8.52 ng	164695	Phenanthrene-d10	17.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	Methyl benzillate	242	C15H14O3	000076-89-1	47
5	Benzoyl bromide	184	C7H5BrO	000618-32-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

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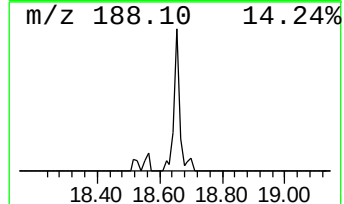
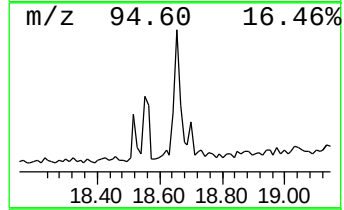
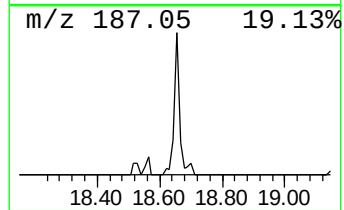
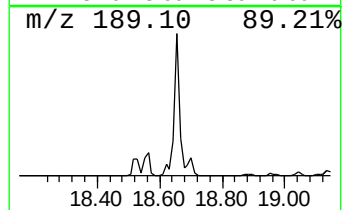
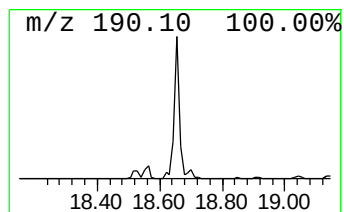
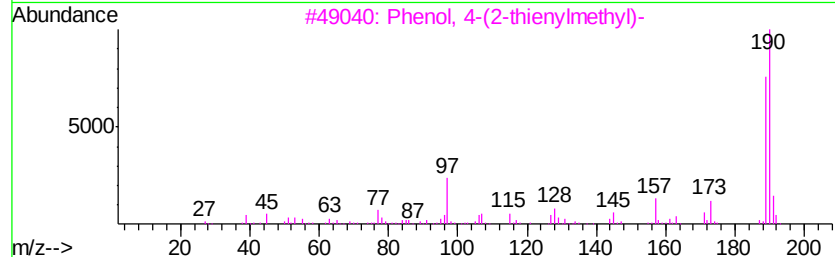
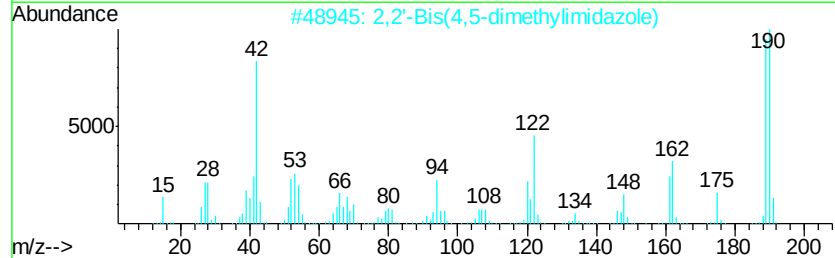
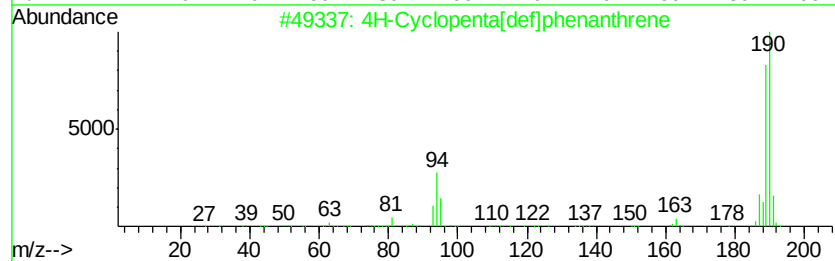
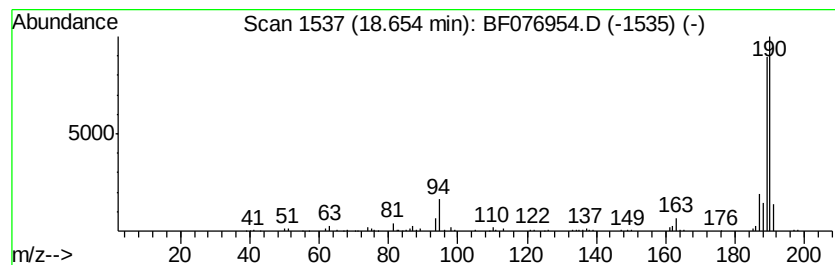
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	13.80 ng	266831	Phenanthrene-d10	17.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	64
3		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5		6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

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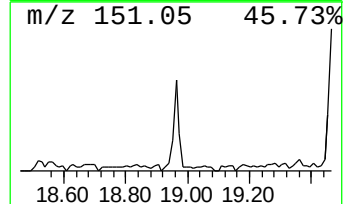
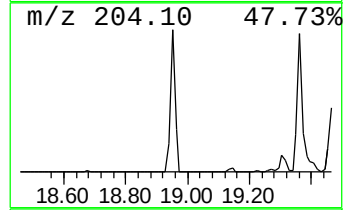
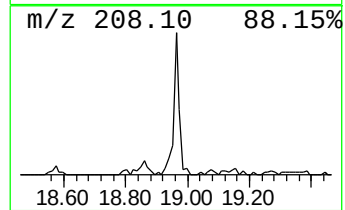
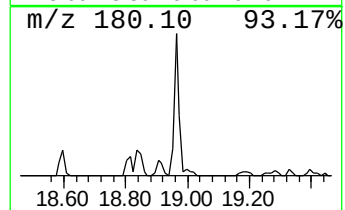
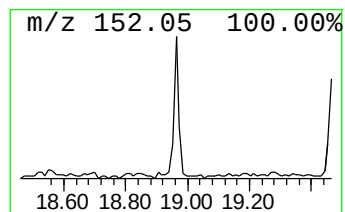
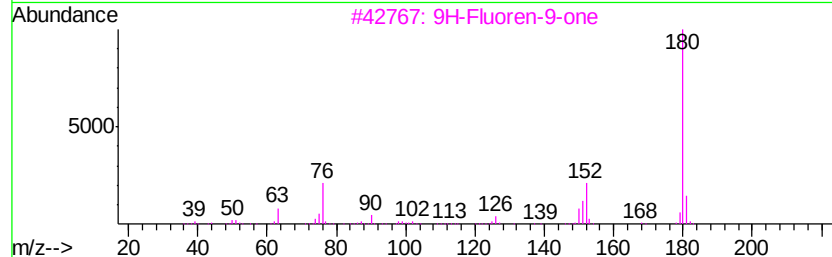
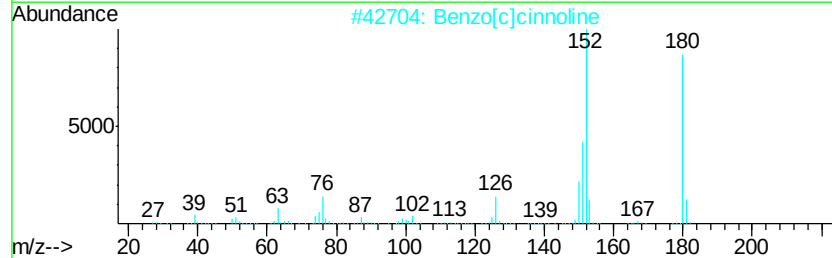
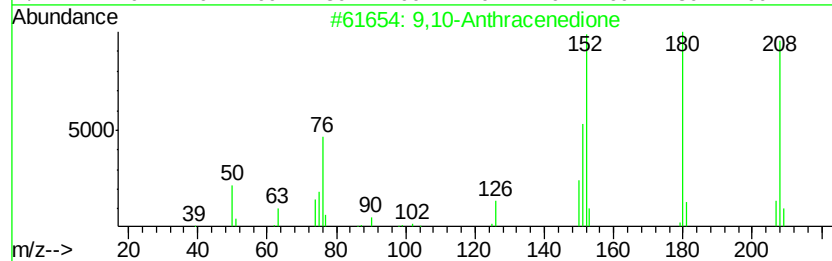
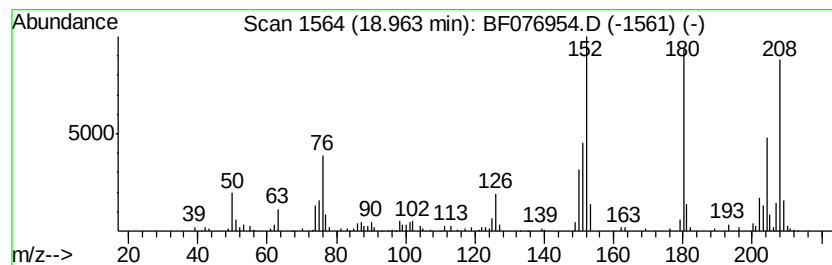
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	16.18 ng	312896	Phenanthrene-d10	17.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

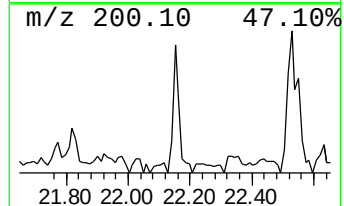
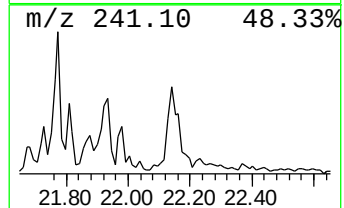
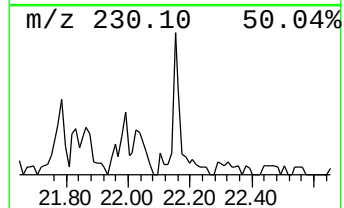
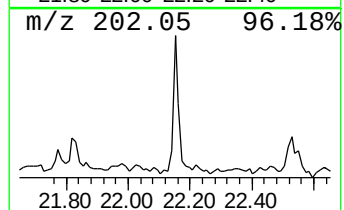
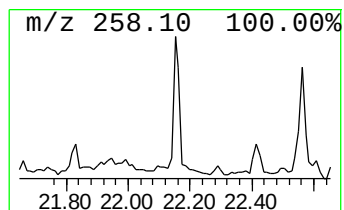
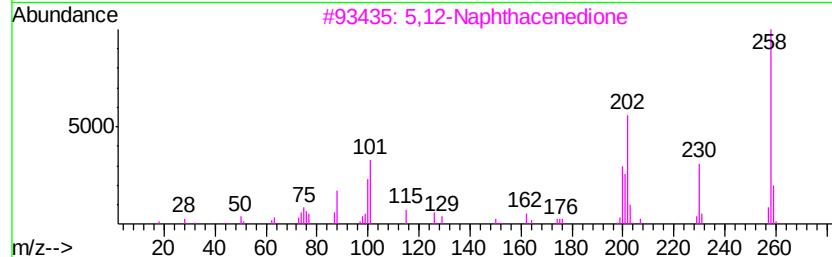
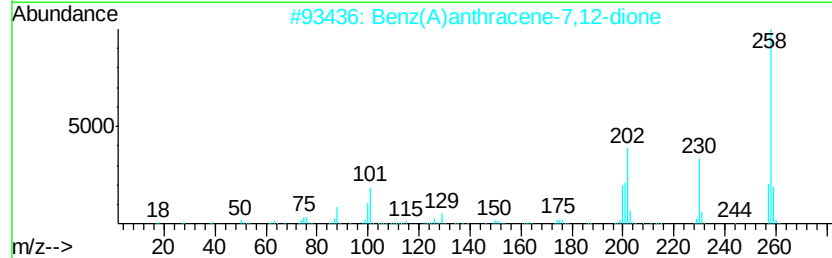
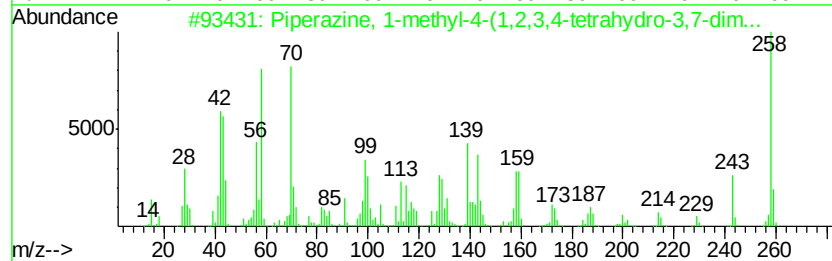
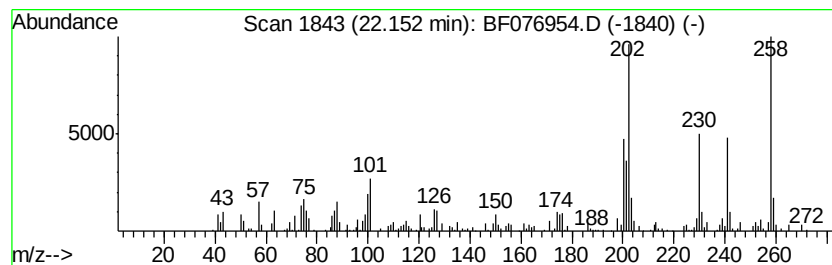
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Piperazine, 1-methyl-4-(1,2... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
22.15	10.29 ng	202566	Perylene-d12		22.93	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	91
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	83
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	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

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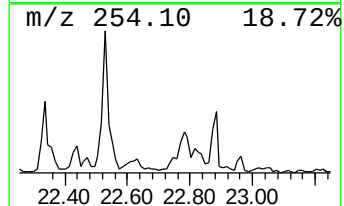
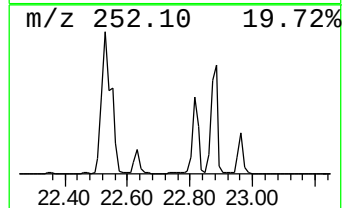
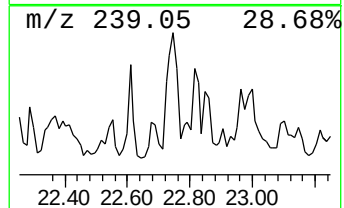
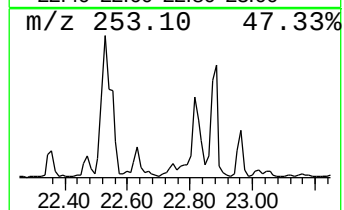
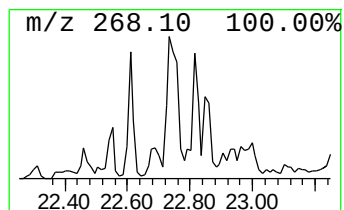
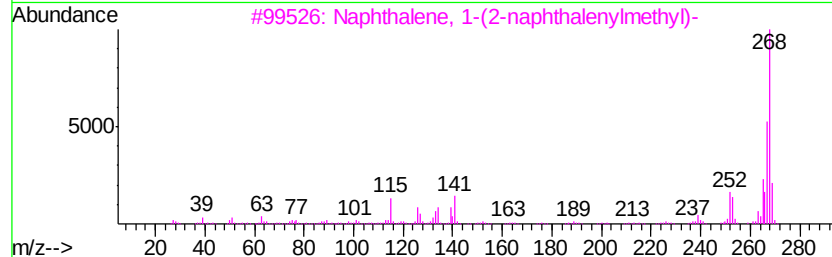
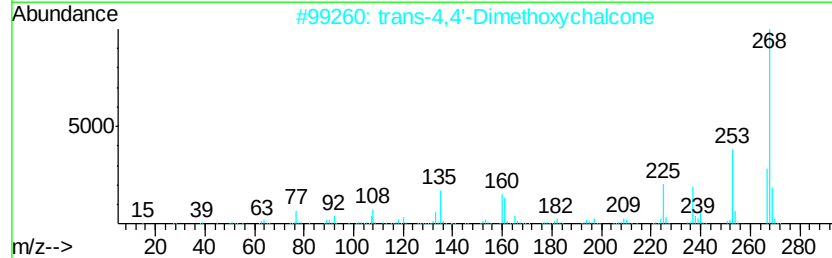
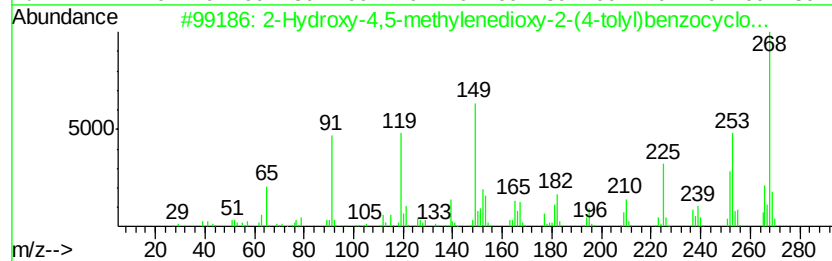
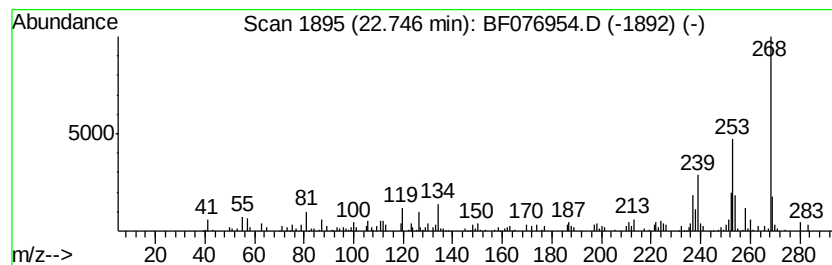
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2-Hydroxy-4,5-methylenedioxy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	8.18 ng	160923	Perylene-d12	22.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hydroxy-4,5-methylenedioxy-2-(...	268	C16H12O4	1000284-51-7	72
2		trans-4,4'-Dimethoxychalcone	268	C17H16O3	041564-67-4	58
3		Naphthalene, 1-(2-naphthalenyl)methyl-	268	C21H16	000611-48-3	47
4		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	47
5		3,4-Epoxy-4a-ethyl-2,3,4,4a,5,6-...	268	C17H20N2O	080249-75-8	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
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Sample : G1076-05
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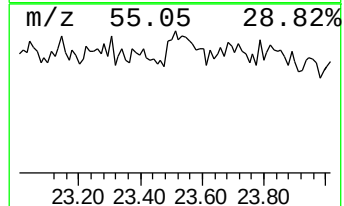
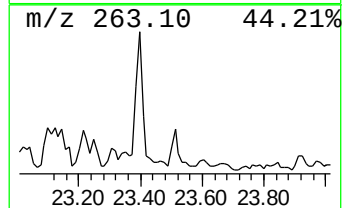
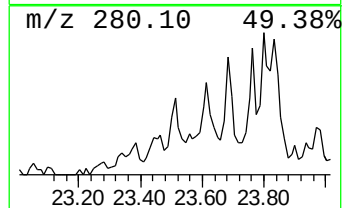
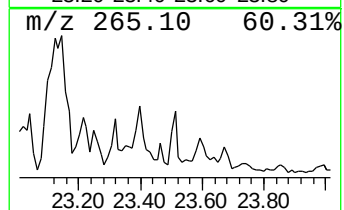
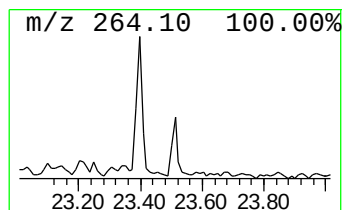
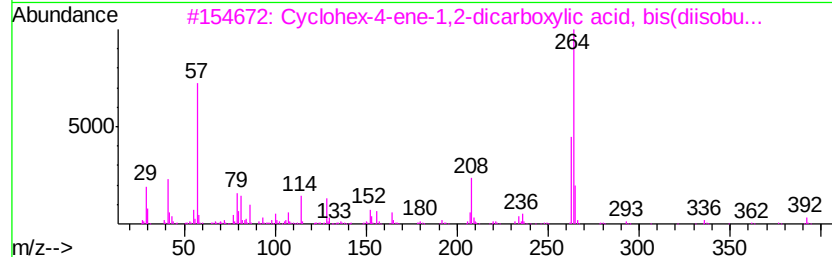
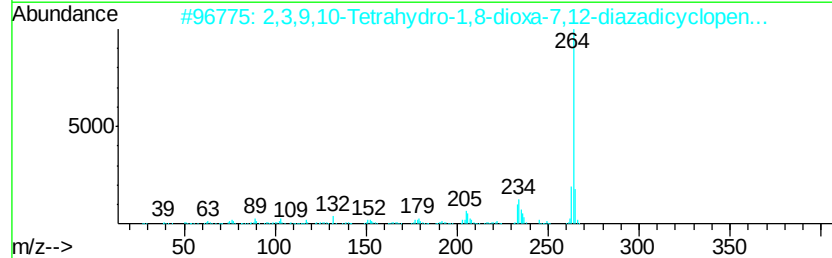
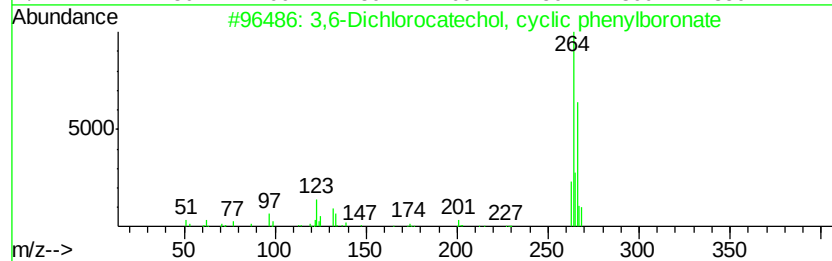
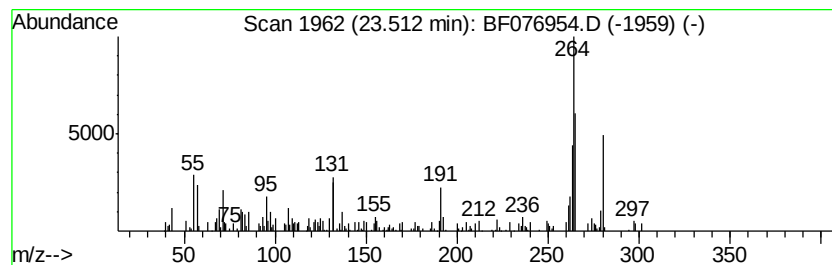
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown23.51 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.51	8.15 ng	160520	Perylene-d12	22.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	35
2		2,3,9,10-Tetrahydro-1,8-dioxa-7,...	264	C16H12N2O2	1000243-33-3	27
3		Cyclohex-4-ene-1,2-dicarboxylic ...	392	C24H44N2O2	1000187-42-7	25
4		7,9-Diamino-5,6,8,10-tetraaza-be...	264	C13H8N6O	052559-29-2	18
5		2,3,4,5,6-Pentachloroaniline	263	C6H2Cl5N	000527-20-8	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
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ClientSampleId :
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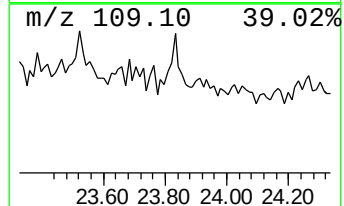
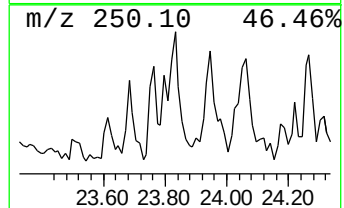
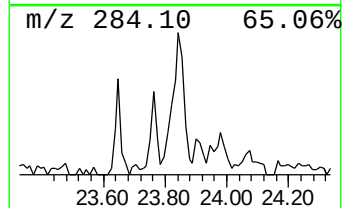
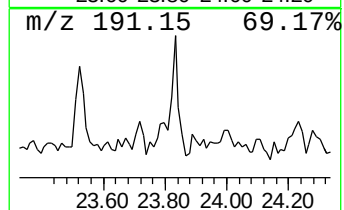
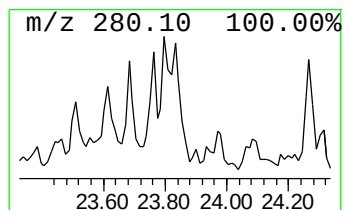
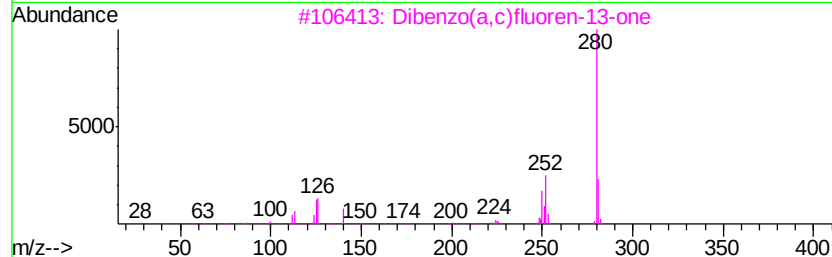
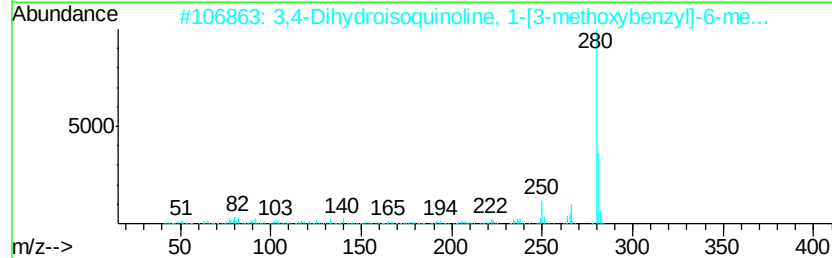
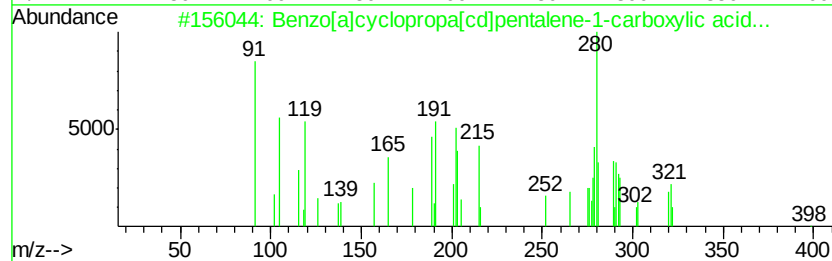
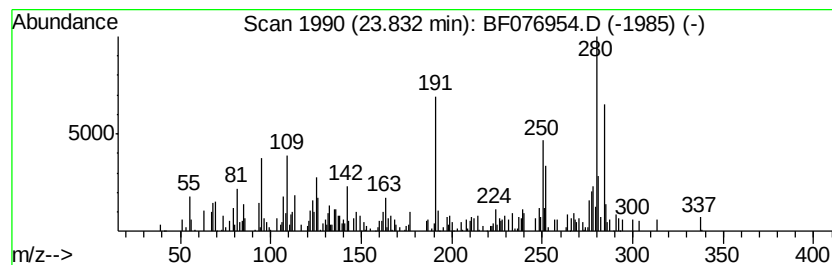
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown23.83 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	15.32 ng	301635	Perylene-d12	22.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]cyclopropa[cd]pentalene-...	398	C26H22O4	040897-27-6	38
2		3,4-Dihydroisoquinoline, 1-[3-me...	281	C18H19NO2	1000126-16-1	30
3		Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	30
4		3-Hydroxydiftalone	280	C16H12N2O3	037149-90-9	25
5		Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
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Acq On : 20 Jan 2015 7:27
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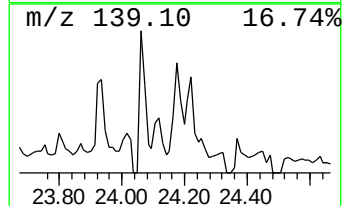
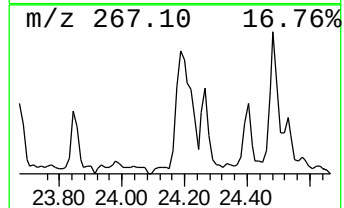
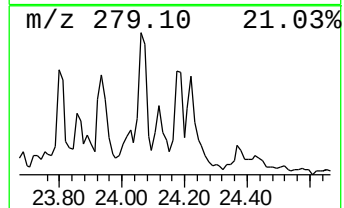
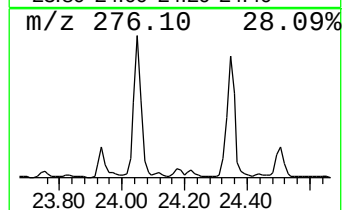
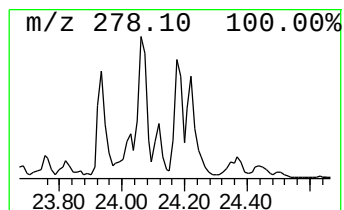
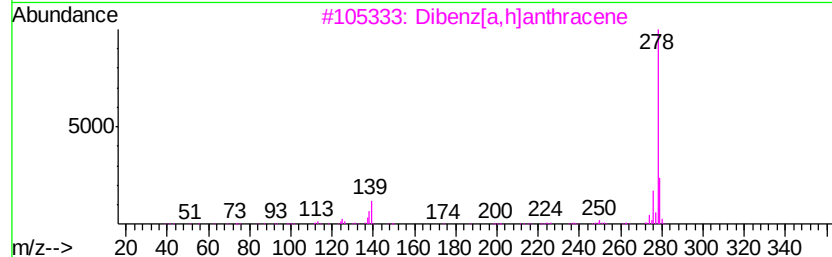
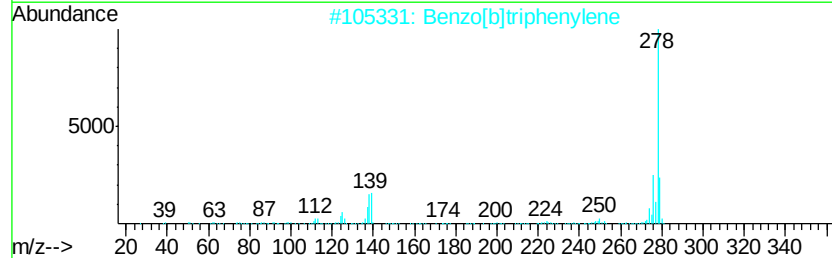
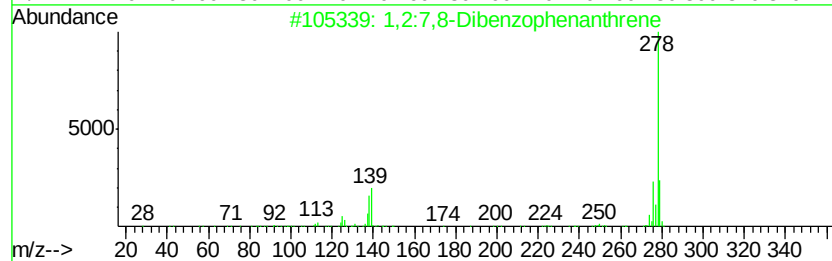
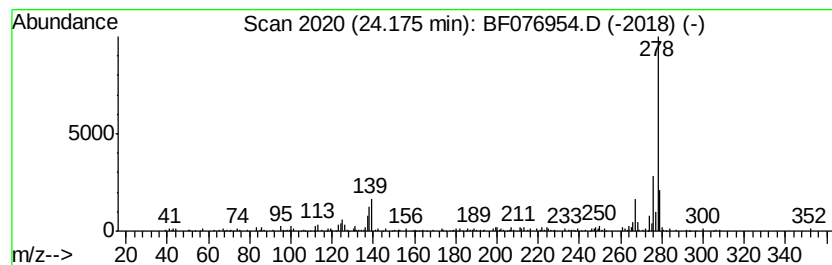
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,2:7,8-Dibenzophenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.17	11.22 ng	220921	Perylene-d12	22.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	89
5		Pyrene, 1-phenyl-	278	C22H14	005101-27-9	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

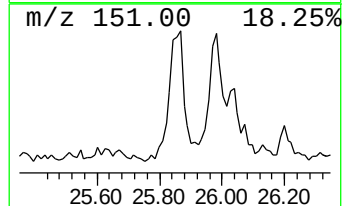
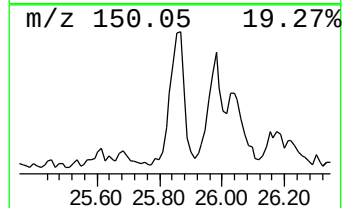
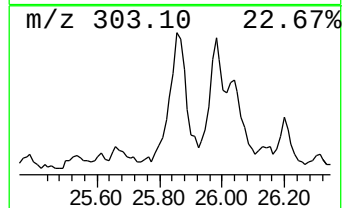
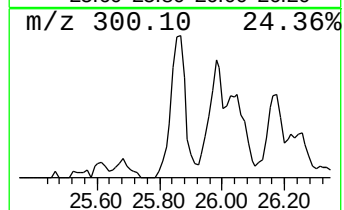
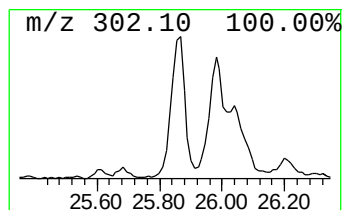
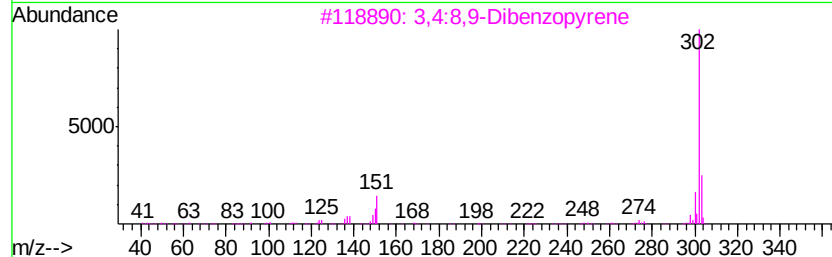
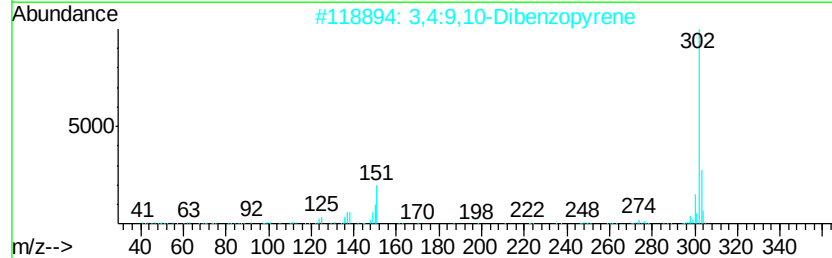
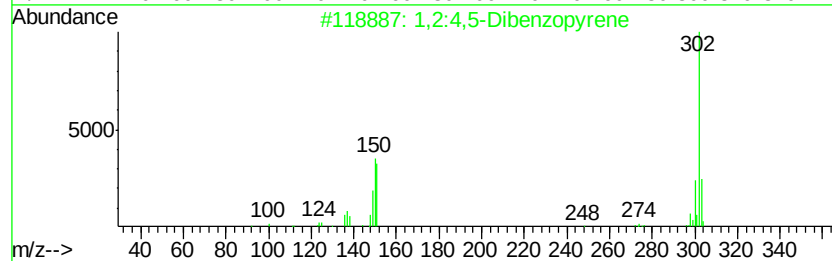
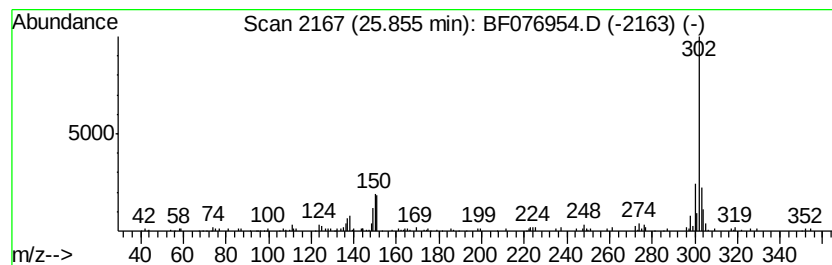
Instrument :
BNA_F
ClientSampleId :
SP-3

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

Peak Number 18 1,2:4,5-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.		
25.85	16.77 ng	330042	Perylene-d12		22.93		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2			3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
4			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	89
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076954.D
Acq On : 20 Jan 2015 7:27
Operator : IZ / TP
Sample : G1076-05
Misc : W
ALS Vial : 31 Sample Multiplier: 1

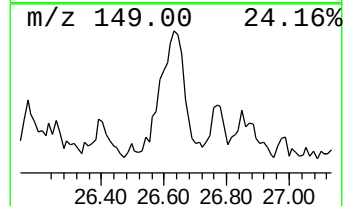
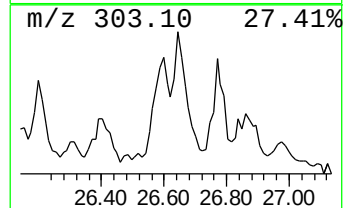
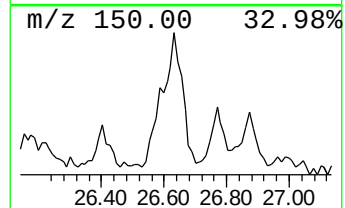
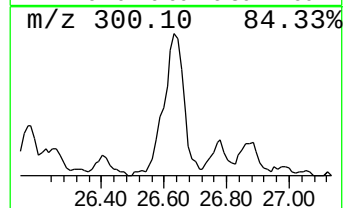
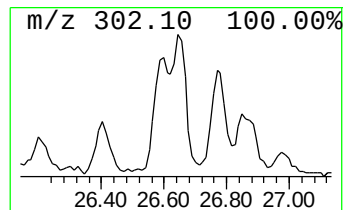
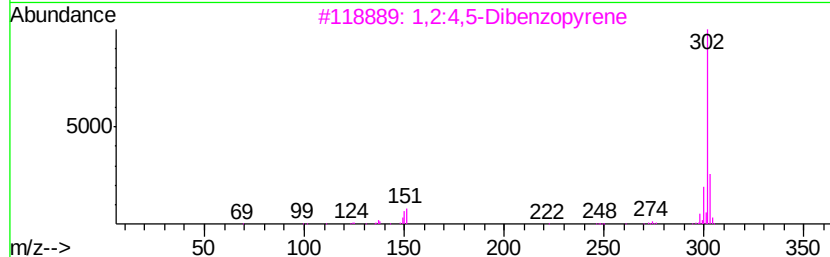
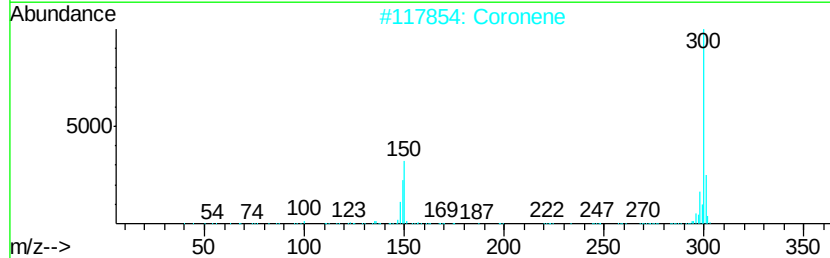
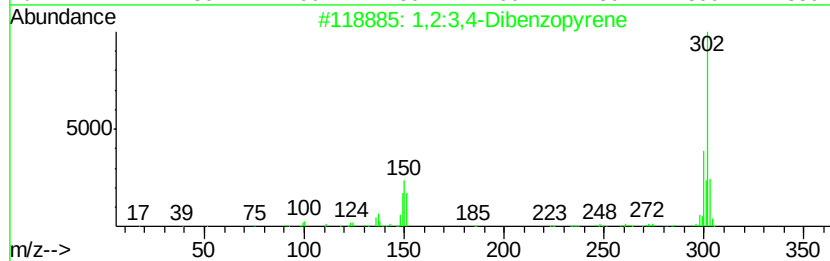
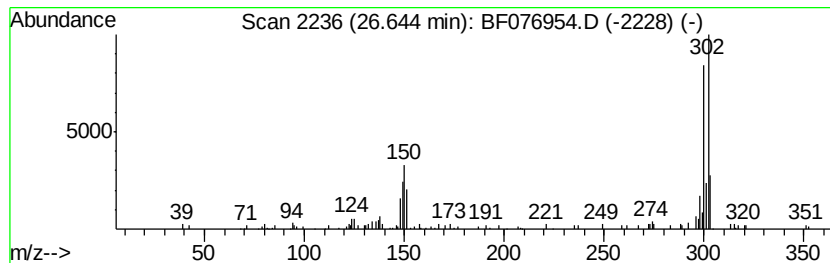
Instrument :
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ClientSampleId :
SP-3

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

Peak Number 20 1,2:3,4-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
26.64	18.53 ng	364849	Perylene-d12	22.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:3,4-Dibenzopvrene	302	C24H14	000191-30-0	64
2	Coronene	300	C24H12	000191-07-1	49
3	1,2:4,5-Dibenzopvrene	302	C24H14	000192-65-4	43
4	3,4:8,9-Dibenzopvrene	302	C24H14	000189-64-0	43
5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011915\
 Data File : BF076954.D
 Acq On : 20 Jan 2015 7:27
 Operator : IZ / TP
 Sample : G1076-05
 Misc : W
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

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	22.3	ng	236245	1	7.98	211494	20.0
unknown7.46	7.46	81.8	ng	864627	1	7.98	211494	20.0
Benzophenone	16.63	8.5	ng	164695	4	17.79	386818	20.0
4H-Cyclopenta[def...	18.65	13.8	ng	266831	4	17.79	386818	20.0
9,10-Anthracenedione	18.96	16.2	ng	312896	4	17.79	386818	20.0
Piperazine, 1-met...	22.15	10.3	ng	202566	6	22.93	393693	20.0
2-Hydroxy-4,5-met...	22.75	8.2	ng	160923	6	22.93	393693	20.0
unknown23.51	23.51	8.2	ng	160520	6	22.93	393693	20.0
unknown23.83	23.83	15.3	ng	301635	6	22.93	393693	20.0
1,2:7,8-Dibenzoph...	24.17	11.2	ng	220921	6	22.93	393693	20.0
1,2:4,5-Dibenzopy...	25.85	16.8	ng	330042	6	22.93	393693	20.0
1,2:3,4-Dibenzopy...	26.64	18.5	ng	364849	6	22.93	393693	20.0