

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
 Data File : BF076832.D
 Acq On : 13 Jan 2015 6:28
 Operator : IZ / TP
 Sample : G1030-13
 Misc : S
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-1(2-4)

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	45	rVB	101702	168557	4.57%	0.365%
2	4.253	274	277	287	rBB	106514	235241	6.38%	0.509%
3	5.167	354	357	368	rBV	408640	775857	21.03%	1.678%
4	7.488	557	560	565	rBV	524466	788052	21.36%	1.704%
5	7.590	565	569	576	rVB	462659	836894	22.68%	1.810%
6	8.082	609	612	616	rBV	111715	184018	4.99%	0.398%
7	8.413	637	641	644	rBV	354891	605624	16.41%	1.310%
8	9.373	722	725	729	rBV	286236	487315	13.21%	1.054%
9	10.996	863	867	869	rBV	150448	251893	6.83%	0.545%
10	13.648	1095	1099	1102	rBV	499152	820606	22.24%	1.775%
11	14.780	1194	1198	1207	rBV	139538	226396	6.14%	0.490%
12	15.123	1225	1228	1232	rBB	158381	268128	7.27%	0.580%
13	15.203	1232	1235	1238	rBB	54199	82787	2.24%	0.179%
14	16.323	1330	1333	1338	rBV	61329	89091	2.41%	0.193%
15	16.711	1364	1367	1369	rBV	69819	81622	2.21%	0.177%
16	16.768	1369	1372	1375	rBV2	452169	592683	16.06%	1.282%
17	17.580	1440	1443	1445	rVV2	51515	78174	2.12%	0.169%
18	17.694	1449	1453	1457	rVB2	50652	91946	2.49%	0.199%
19	17.854	1465	1467	1469	rBV	196603	323113	8.76%	0.699%
20	17.900	1469	1471	1473	rVB	870372	1088014	29.49%	2.353%
21	17.969	1473	1477	1480	rVB	349683	390657	10.59%	0.845%
22	18.243	1499	1501	1504	rBV	77375	117930	3.20%	0.255%
23	18.597	1529	1532	1533	rBV	174429	187865	5.09%	0.406%
24	18.631	1533	1535	1539	rVV	232401	262528	7.11%	0.568%
25	18.700	1539	1541	1542	rVV	105058	129015	3.50%	0.279%
26	18.734	1542	1544	1546	rVV2	265953	419931	11.38%	0.908%
27	18.769	1546	1547	1550	rVB	134975	138921	3.76%	0.300%
28	19.032	1567	1570	1573	rBV2	140400	252890	6.85%	0.547%
29	19.352	1594	1598	1599	rBV	126418	185120	5.02%	0.400%
30	19.386	1599	1601	1603	rVV	60436	82027	2.22%	0.177%
31	19.432	1603	1605	1611	rVB2	118875	265705	7.20%	0.575%
32	19.546	1611	1615	1617	rBV	2841905	3600065	97.57%	7.787%
33	19.592	1617	1619	1622	rBV2	35529	81538	2.21%	0.176%
34	19.649	1622	1624	1628	rVB	100356	174530	4.73%	0.377%

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 TP5-SS-1(2-4)

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

35	19.717	1628	1630	1636	rBV3	109186	240680	6.52%	0.521%
36	19.820	1636	1639	1642	rBV	2367155	3689844	100.00%	7.981%
37	19.900	1644	1646	1648	rVB	119765	134437	3.64%	0.291%
38	19.992	1652	1654	1656	rBV	126719	252885	6.85%	0.547%
39	20.026	1656	1657	1659	rVB	141990	127075	3.44%	0.275%
40	20.083	1659	1662	1664	rBV	556587	875541	23.73%	1.894%
41	20.129	1664	1666	1668	rVB	164606	211360	5.73%	0.457%
42	20.266	1672	1678	1680	rVB2	389298	726822	19.70%	1.572%
43	20.346	1683	1685	1687	rBV	291798	356506	9.66%	0.771%
44	20.392	1687	1689	1694	rBV3	206541	448469	12.15%	0.970%
45	20.495	1694	1698	1700	rVB2	139547	205868	5.58%	0.445%
46	20.529	1700	1701	1703	rBV	86513	105213	2.85%	0.228%
47	20.643	1709	1711	1714	rBV	71984	107690	2.92%	0.233%
48	20.780	1718	1723	1724	rBV3	87338	179691	4.87%	0.389%
49	20.815	1724	1726	1728	rVB2	73647	114352	3.10%	0.247%
50	20.906	1728	1734	1737	rBV2	209330	439204	11.90%	0.950%
51	21.032	1742	1745	1747	rBV	294674	361171	9.79%	0.781%
52	21.077	1747	1749	1751	rBV2	299839	444071	12.03%	0.960%
53	21.123	1751	1753	1755	rVB2	157634	195318	5.29%	0.422%
54	21.169	1755	1757	1760	rVB	250523	284060	7.70%	0.614%
55	21.249	1760	1764	1768	rVB	106446	154180	4.18%	0.333%
56	21.352	1768	1773	1774	rBV	1566810	2687589	72.84%	5.813%
57	21.386	1774	1776	1778	rVV2	1180288	1923103	52.12%	4.159%
58	21.420	1778	1779	1782	rVB3	70507	109266	2.96%	0.236%
59	21.477	1782	1784	1787	rBV	301465	372252	10.09%	0.805%
60	21.535	1787	1789	1790	rBV	98263	126902	3.44%	0.274%
61	21.615	1793	1796	1798	rVB	188916	304569	8.25%	0.659%
62	21.660	1798	1800	1802	rBV	160950	247201	6.70%	0.535%
63	21.798	1810	1812	1814	rVB2	68536	99922	2.71%	0.216%
64	21.843	1814	1816	1818	rBV	248105	388561	10.53%	0.840%
65	21.889	1818	1820	1822	rVB2	143720	163017	4.42%	0.353%
66	21.958	1822	1826	1827	rBV2	110766	235733	6.39%	0.510%
67	21.992	1827	1829	1830	rVV2	110189	205893	5.58%	0.445%
68	22.060	1833	1835	1837	rVB2	79203	124373	3.37%	0.269%
69	22.106	1837	1839	1842	rVB2	103687	158013	4.28%	0.342%
70	22.232	1847	1850	1853	rBV3	112395	239710	6.50%	0.518%
71	22.438	1864	1868	1871	rBV2	71474	187860	5.09%	0.406%

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	22.563	1877	1879	1881	rVB2	57284	79751	2.16%	0.172%
73	22.632	1881	1885	1889	rBV	1250220	3302172	89.49%	7.142%
74	22.723	1889	1893	1896	rBV2	312282	518077	14.04%	1.121%
75	22.780	1896	1898	1901	rVB3	53818	94974	2.57%	0.205%
76	22.849	1901	1904	1905	rBV2	118491	239966	6.50%	0.519%
77	22.929	1908	1911	1913	rVV	703736	1144211	31.01%	2.475%
78	22.986	1913	1916	1918	rVV	1207626	1658715	44.95%	3.588%
79	23.043	1918	1921	1922	rVV2	224808	313639	8.50%	0.678%
80	23.078	1922	1924	1925	rVV	344625	497045	13.47%	1.075%
81	23.112	1925	1927	1930	rVB3	60699	105059	2.85%	0.227%
82	23.329	1944	1946	1949	rBV2	82152	183551	4.97%	0.397%
83	23.443	1954	1956	1957	rVV2	59693	80650	2.19%	0.174%
84	23.523	1961	1963	1966	rVB	105741	158026	4.28%	0.342%
85	23.649	1971	1974	1978	rVB2	63495	152655	4.14%	0.330%
86	23.912	1994	1997	1998	rBV2	54314	110291	2.99%	0.239%
87	23.946	1998	2000	2001	rBV2	56960	88236	2.39%	0.191%
88	24.083	2009	2012	2019	rVB2	184181	437210	11.85%	0.946%
89	24.209	2019	2023	2027	rBV2	597829	1321442	35.81%	2.858%
90	24.278	2027	2029	2032	rVB	68806	117162	3.18%	0.253%
91	24.346	2032	2035	2036	rBV	170740	286181	7.76%	0.619%
92	24.381	2036	2038	2041	rVB4	124614	192483	5.22%	0.416%
93	24.518	2047	2050	2054	rBV	455620	876346	23.75%	1.895%
94	24.678	2060	2064	2071	rVB3	209477	548605	14.87%	1.187%
95	25.055	2094	2097	2099	rBV2	41826	92532	2.51%	0.200%
96	25.158	2103	2106	2115	rVB3	104872	518306	14.05%	1.121%
97	26.084	2181	2187	2191	rBV2	165558	584101	15.83%	1.263%
98	26.209	2196	2198	2201	rVV	60689	145669	3.95%	0.315%
99	26.895	2251	2258	2266	rVV4	124489	642464	17.41%	1.390%
100	27.032	2266	2270	2273	rVB	51599	151362	4.10%	0.327%

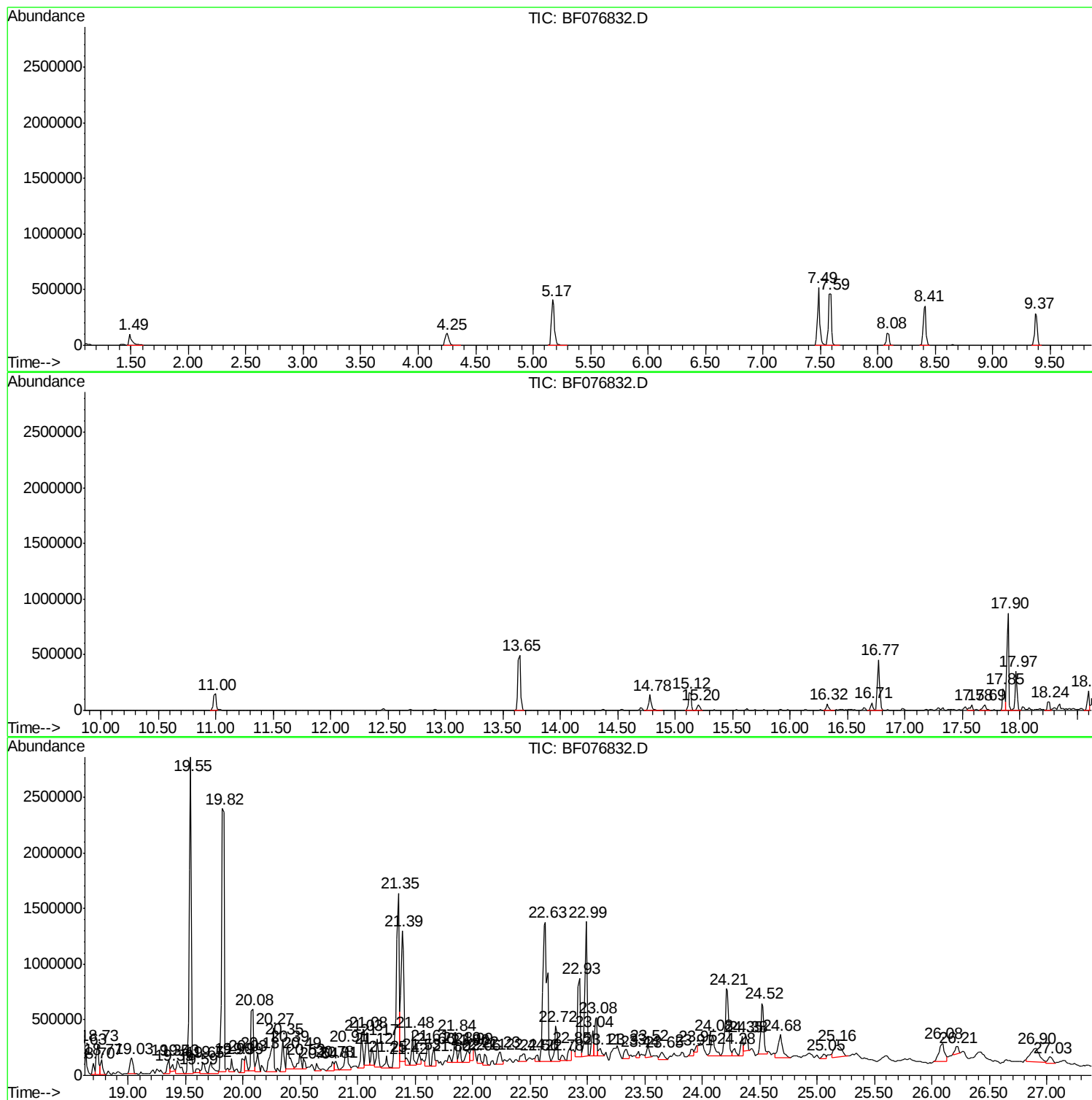
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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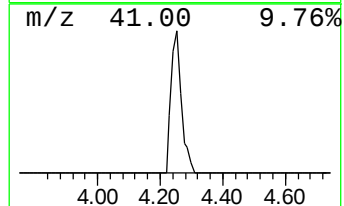
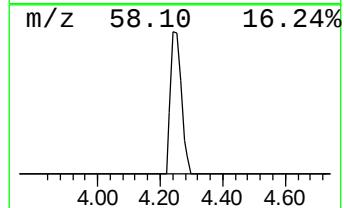
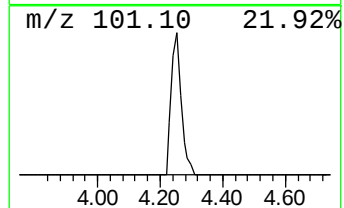
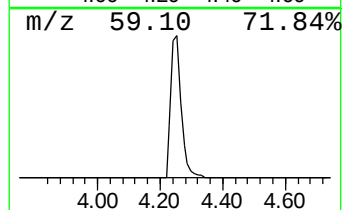
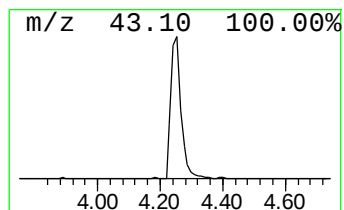
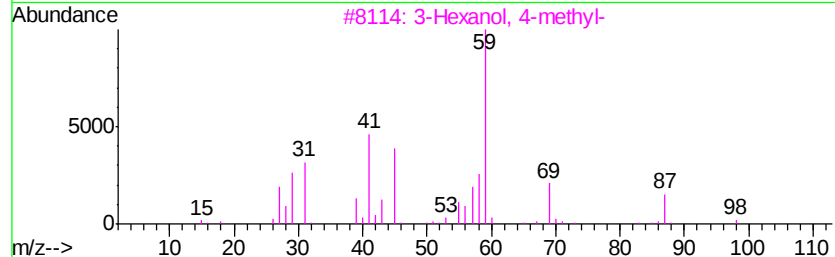
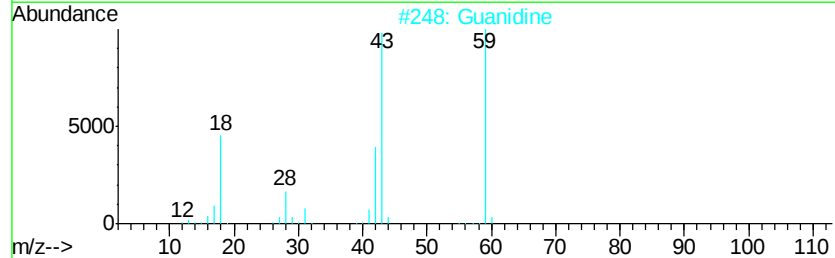
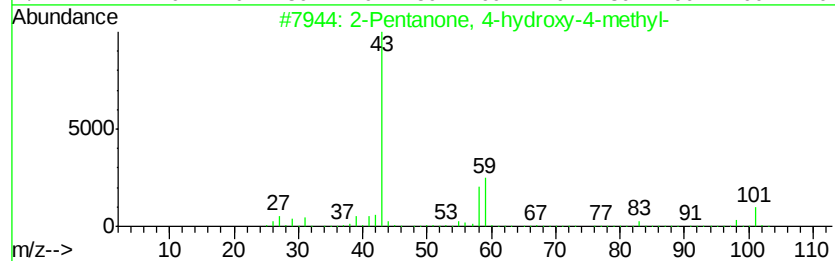
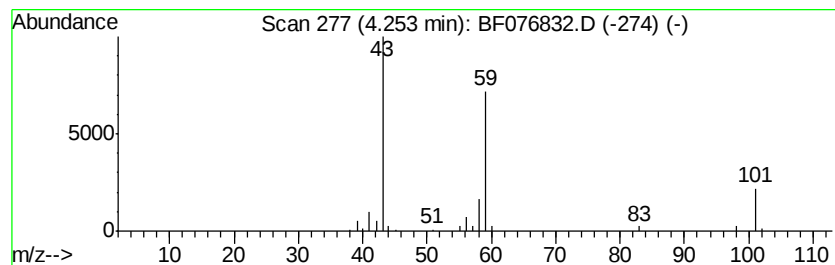
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	25.57 ng	235241	1,4-Dichlorobenzene-d4	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Guanidine	59	CH5N3	000113-00-8	43
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
5		Acetone	58	C3H6O	000067-64-1	10



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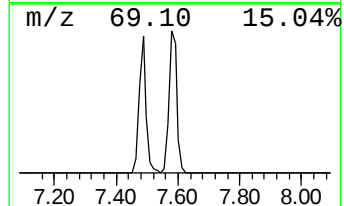
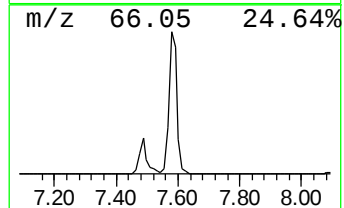
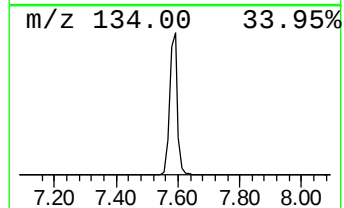
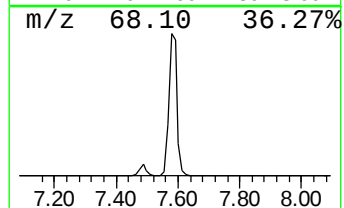
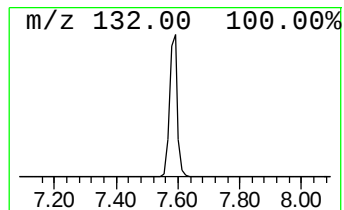
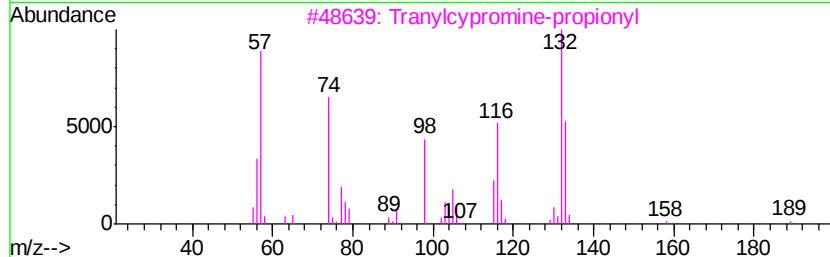
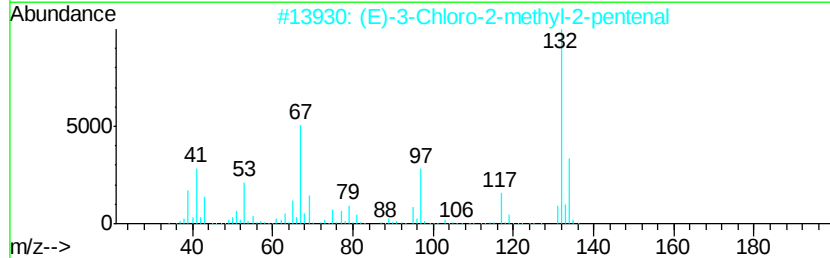
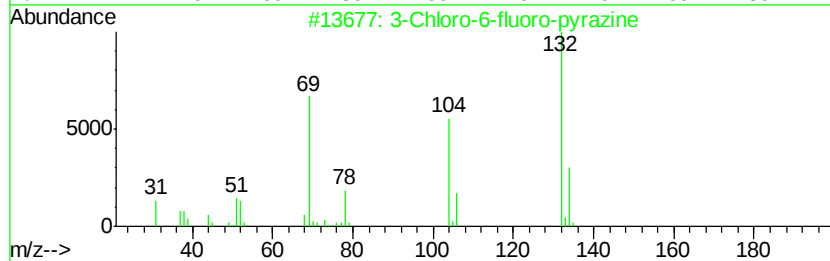
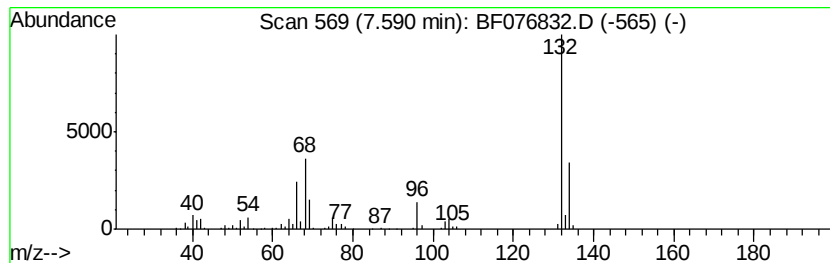
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown7.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	90.96 ng	836894	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		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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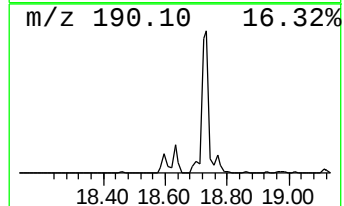
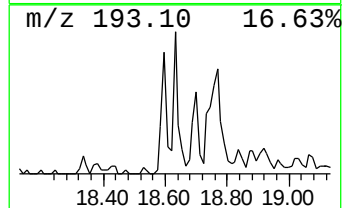
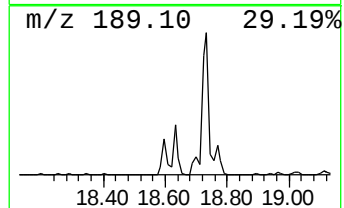
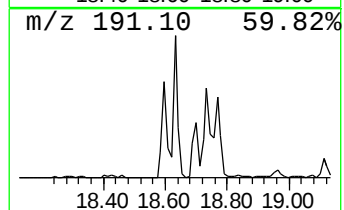
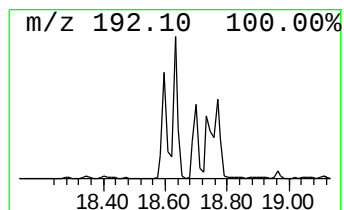
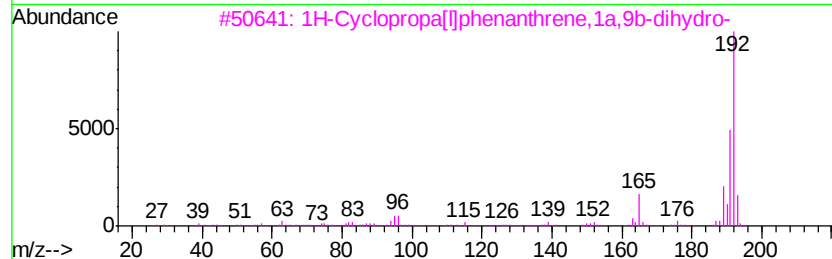
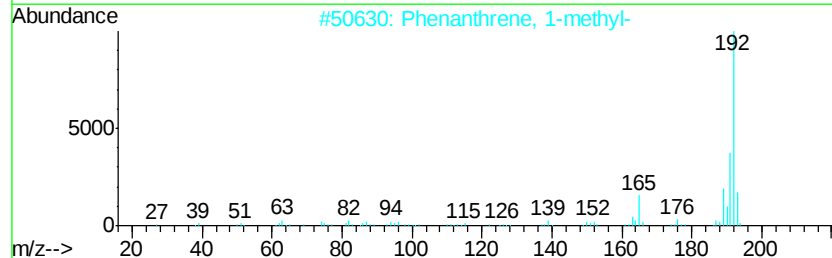
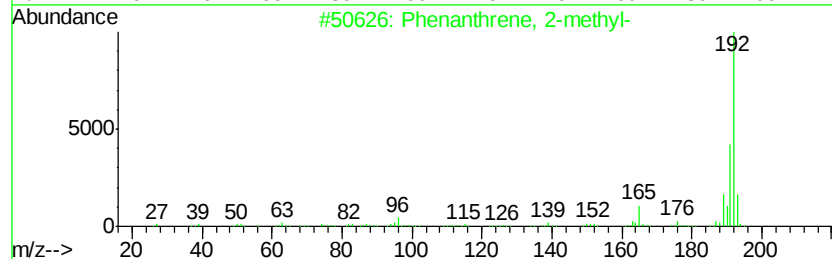
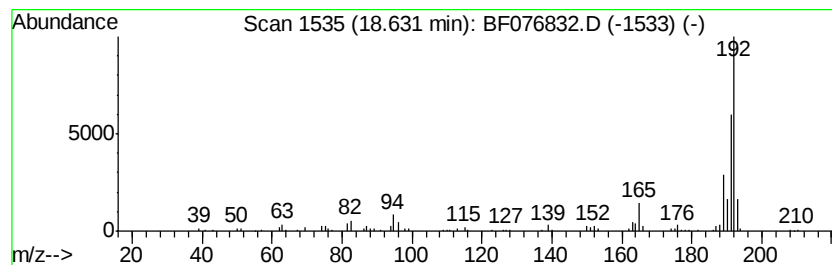
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.63	16.25 ng	262528	Phenanthrene-d10	17.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

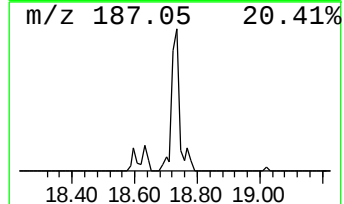
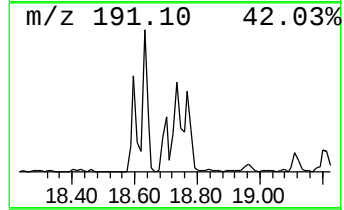
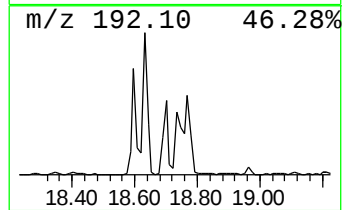
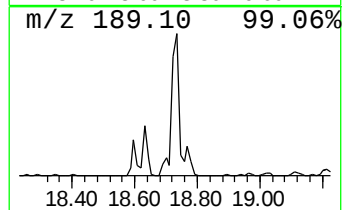
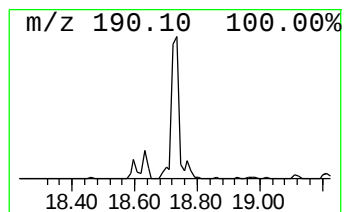
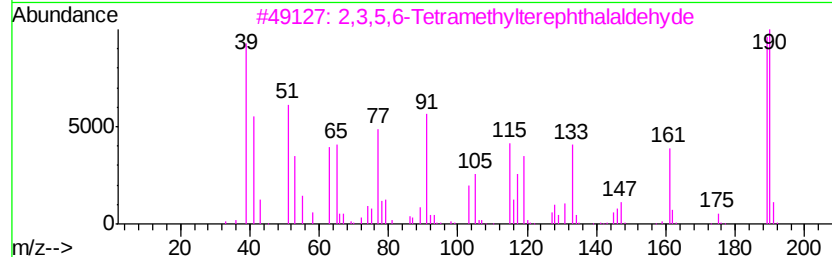
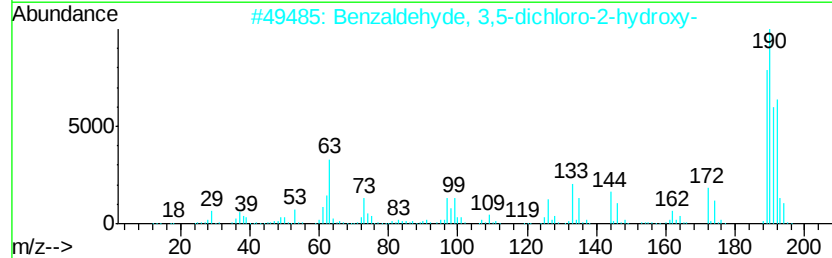
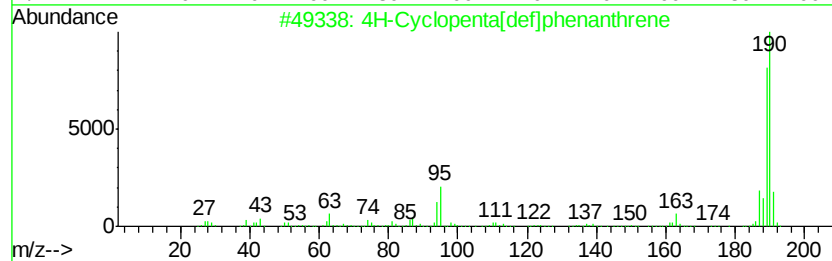
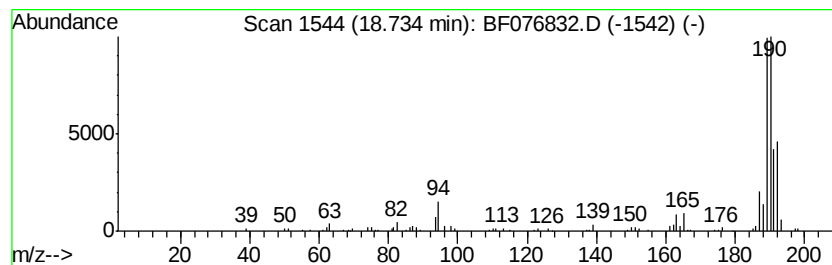
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ClientSampleId :
TP5-SS-1(2-4)

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 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.73	25.99 ng	419931	Phenanthrene-d10	17.85		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4		3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	12
5		1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
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ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP5-SS-1(2-4)

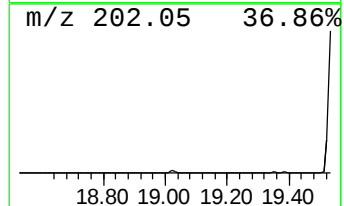
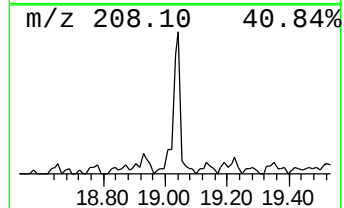
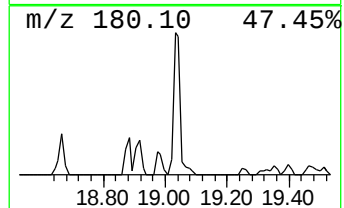
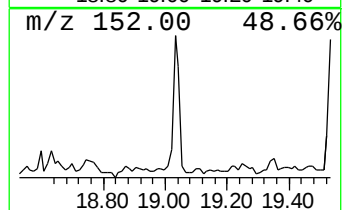
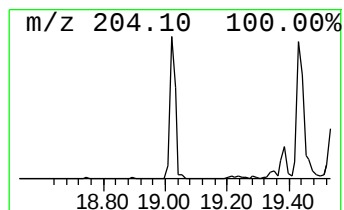
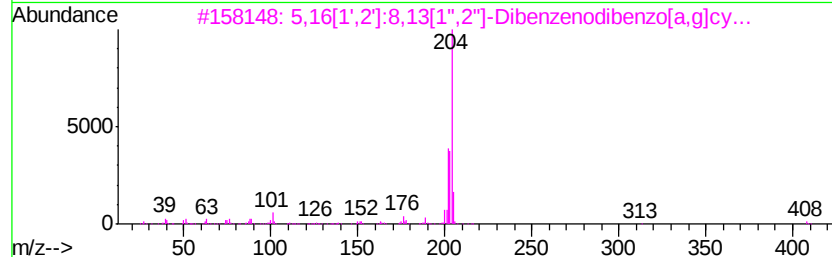
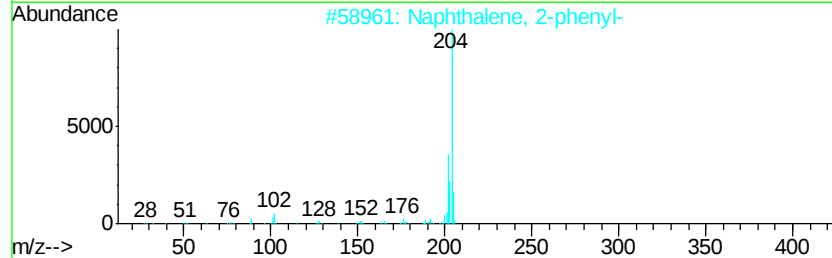
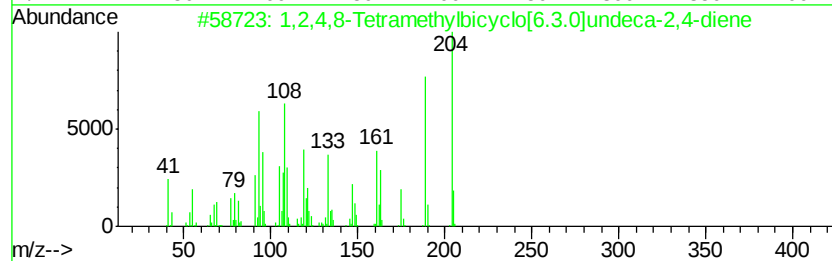
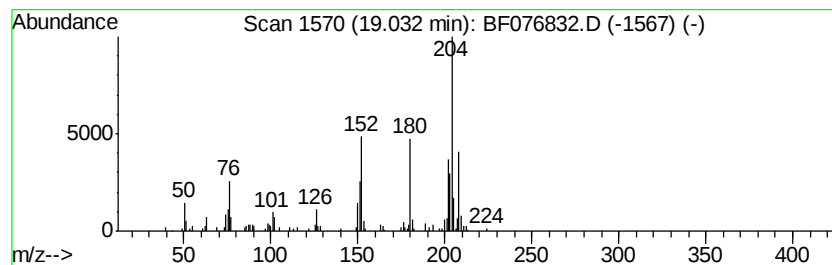
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	15.65 ng	252890	Phenanthrene-d10	17.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3		5,16[1',2']-8,13[1'',2'']-Dibenz[1,2-b:4,5-b']-Diphenyl	408	C32H24	005672-97-9	38
4		2-Phenylnaphthalene	204	C16H12	035465-71-5	27
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP5-SS-1(2-4)

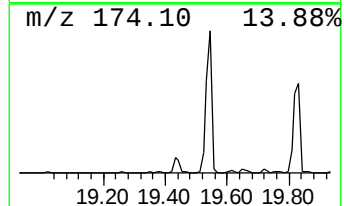
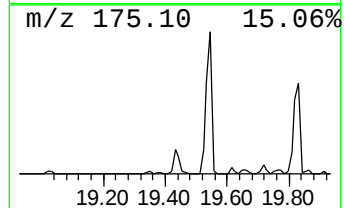
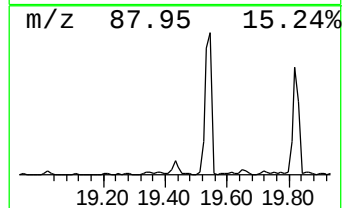
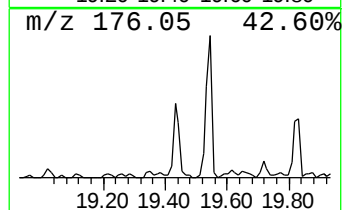
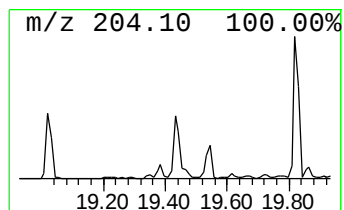
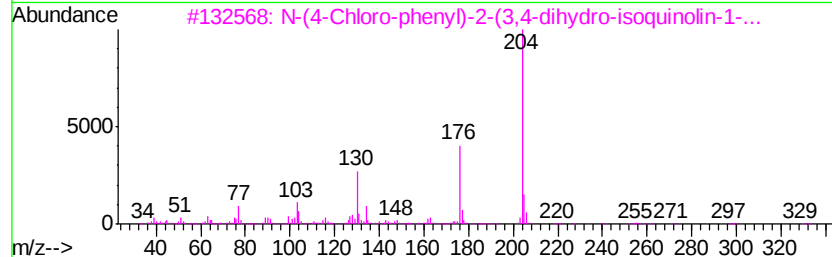
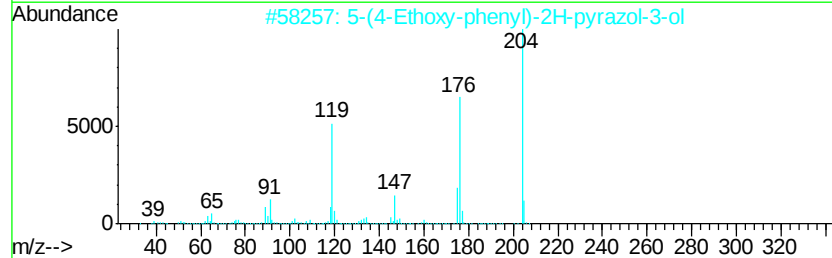
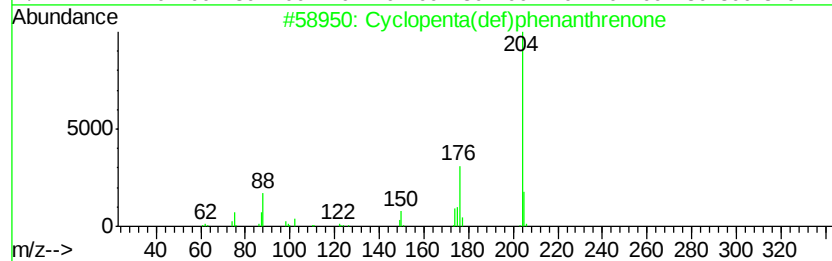
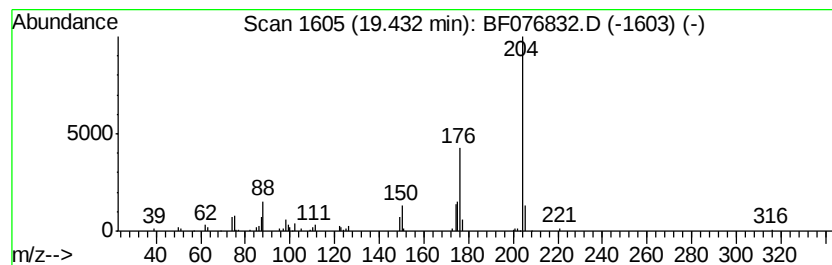
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	16.45 ng	265705	Phenanthrene-d10	17.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
4		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	50
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP5-SS-1(2-4)

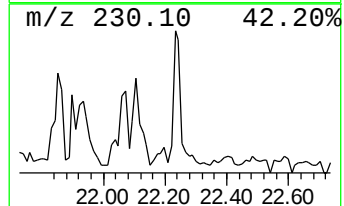
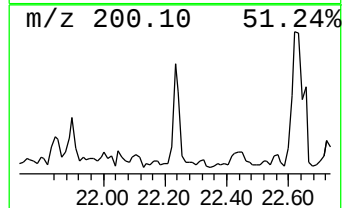
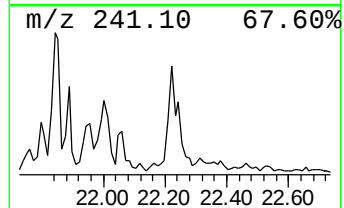
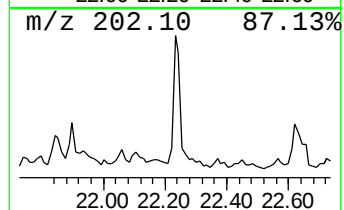
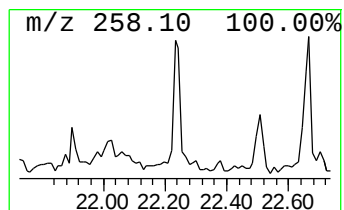
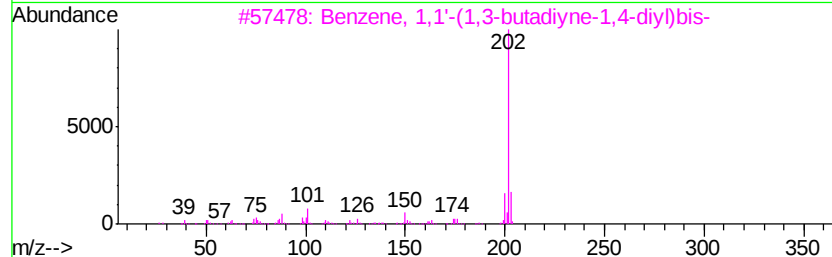
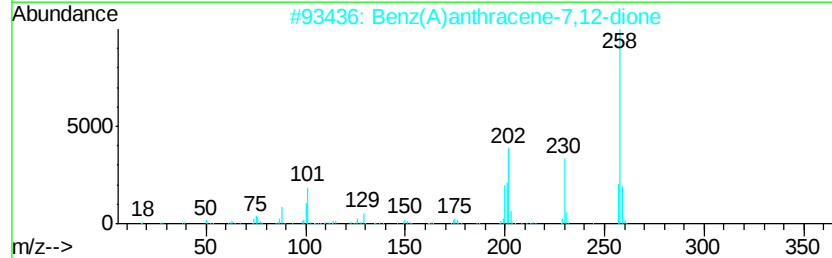
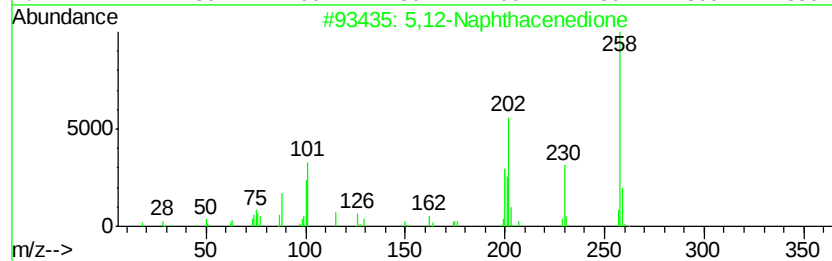
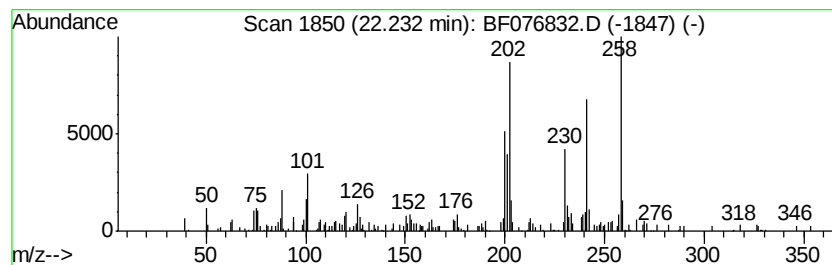
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 5,12-Naphthacenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.23	15.29 ng	239710	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	89
3		Benzene, 1,1'-(1,3-butadiene-1,4...	202	C16H10	000886-66-8	35
4		Pyrene	202	C16H10	000129-00-0	35
5		Fluoranthene	202	C16H10	000206-44-0	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP5-SS-1(2-4)

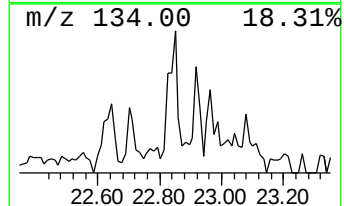
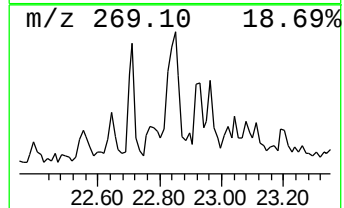
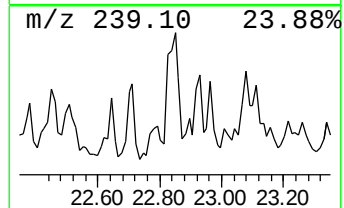
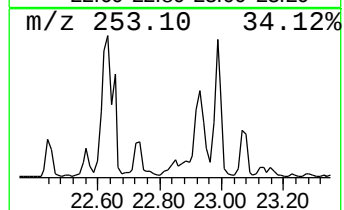
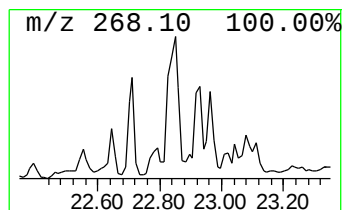
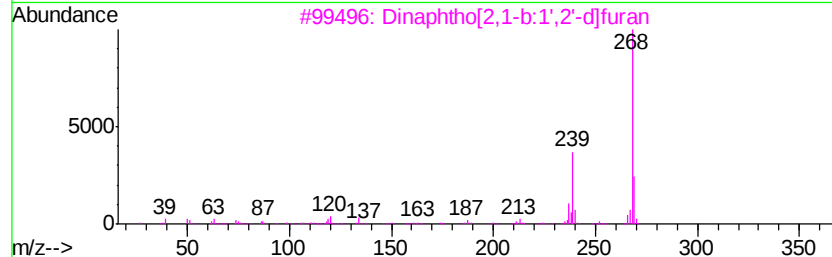
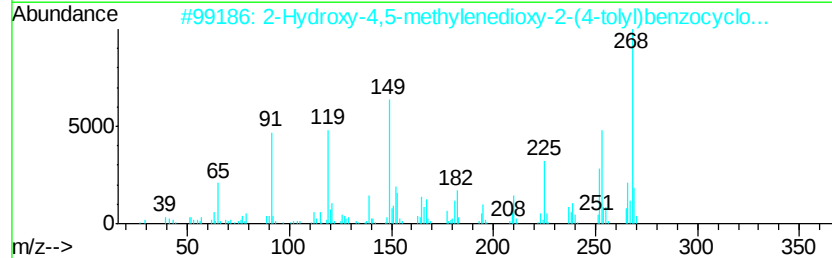
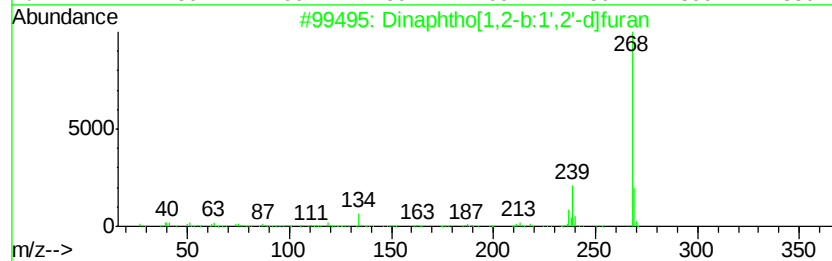
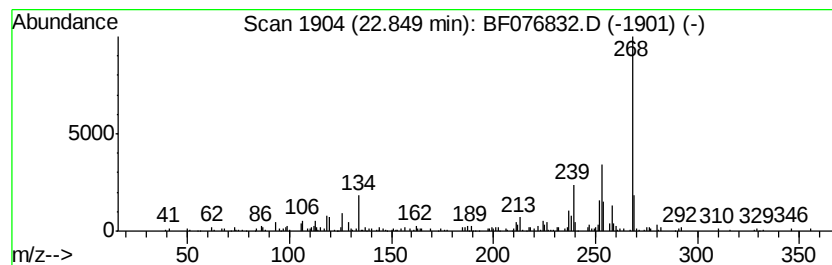
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.85	15.30 ng	239966	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	70
2		2-Hydroxy-4,5-methylenedioxy-2-(...	268	C16H12O4	1000284-51-7	59
3		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	53
4		3-Methylcholanthrene	268	C21H16	000056-49-5	50
5		Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
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ALS Vial : 25 Sample Multiplier: 1

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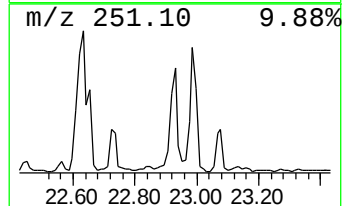
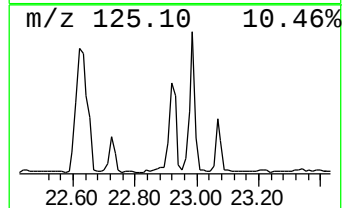
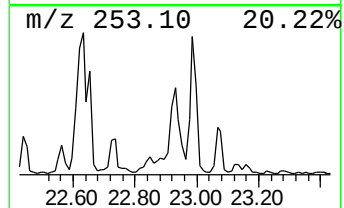
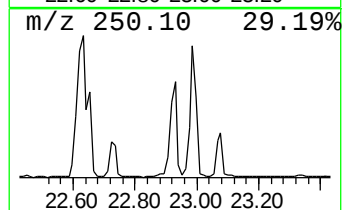
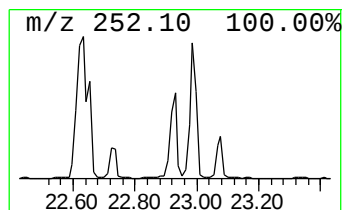
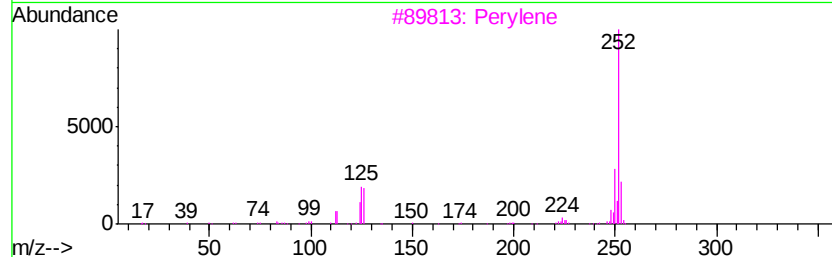
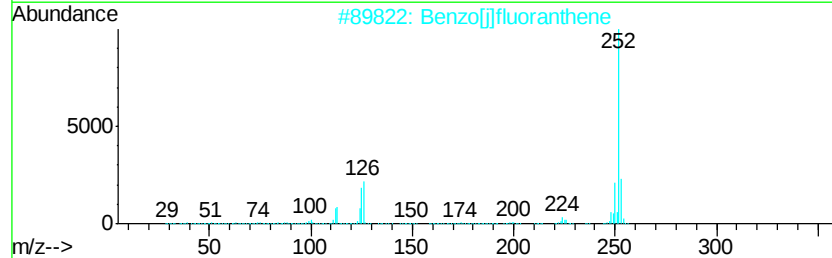
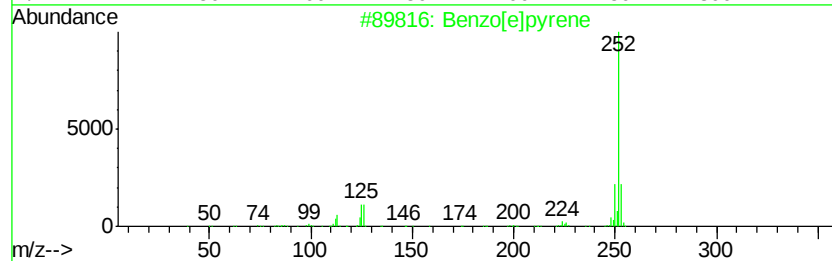
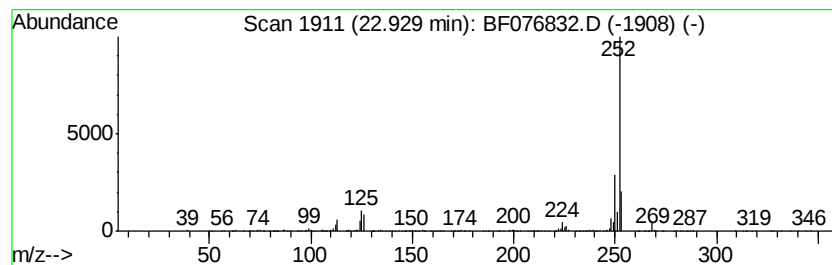
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.93	72.96 ng	1144210	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[il]fluoranthene	252	C20H12	000205-82-3	95
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[al]pyrene	252	C20H12	000050-32-8	93
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
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ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
TP5-SS-1(2-4)

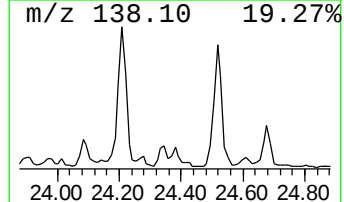
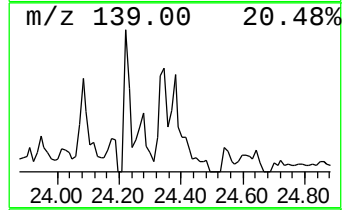
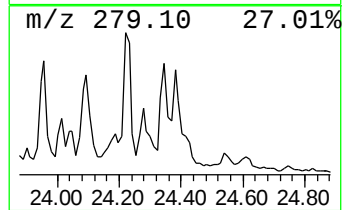
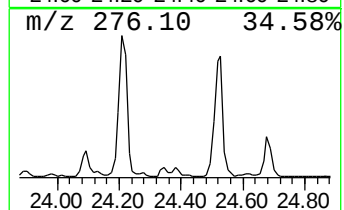
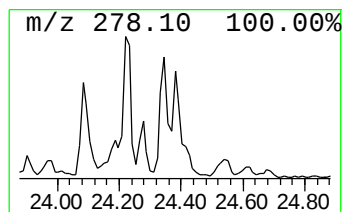
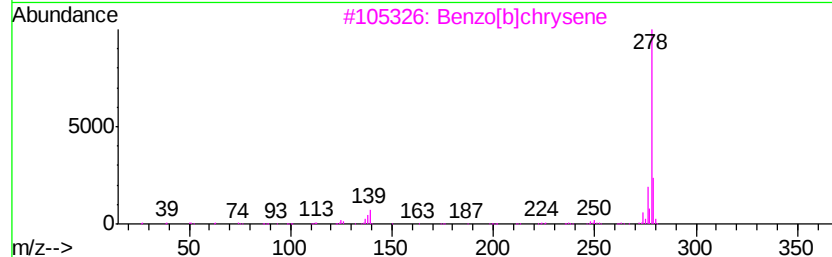
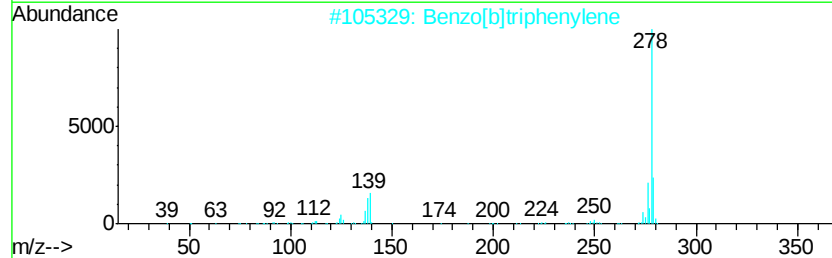
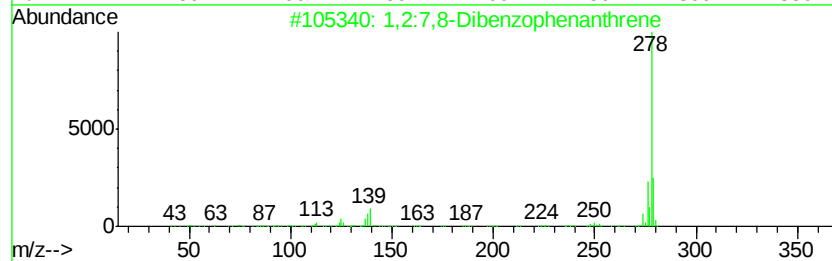
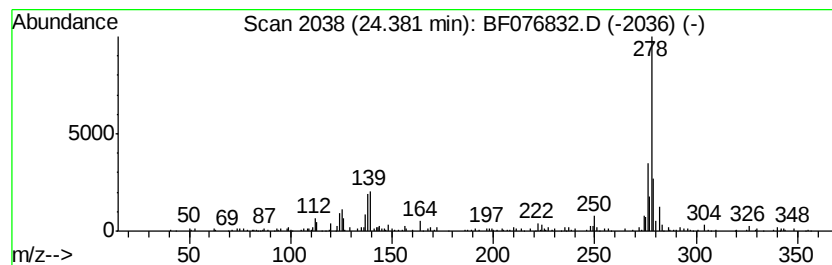
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,2:7,8-Dibenzophenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.38	12.27 ng	192483	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	89
3		Benzo[b]chrysene	278	C22H14	000214-17-5	86
4		Pvrene, 1-phenyl-	278	C22H14	005101-27-9	86
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

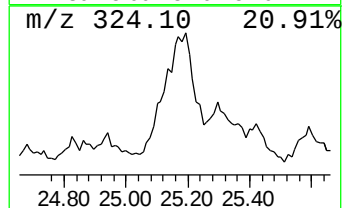
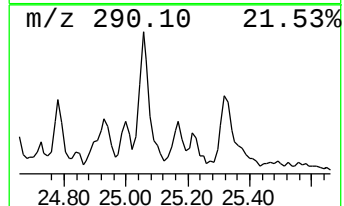
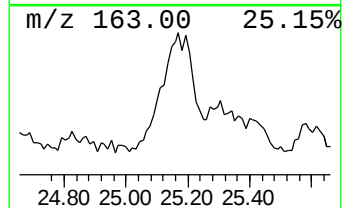
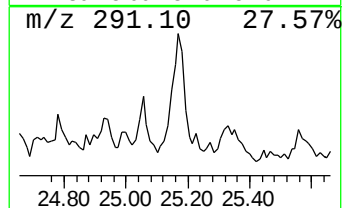
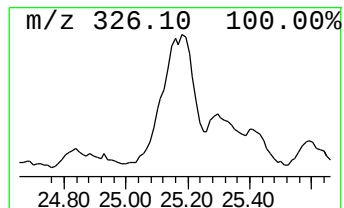
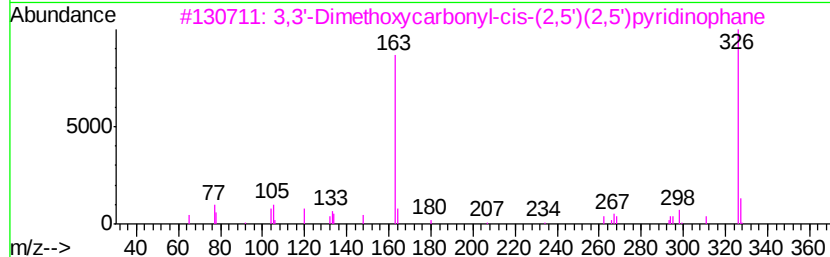
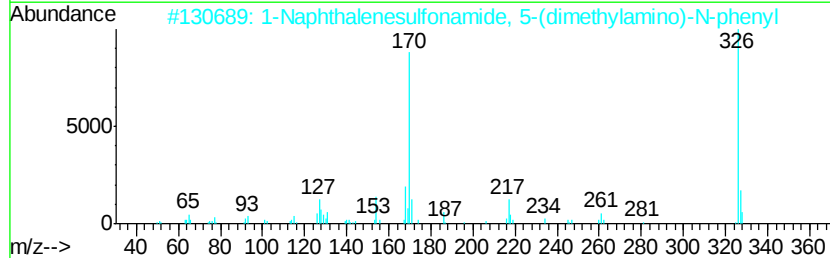
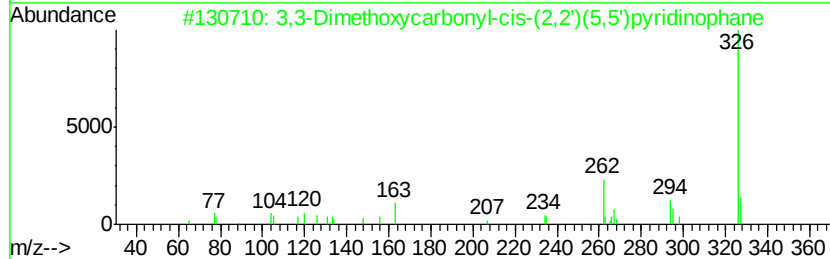
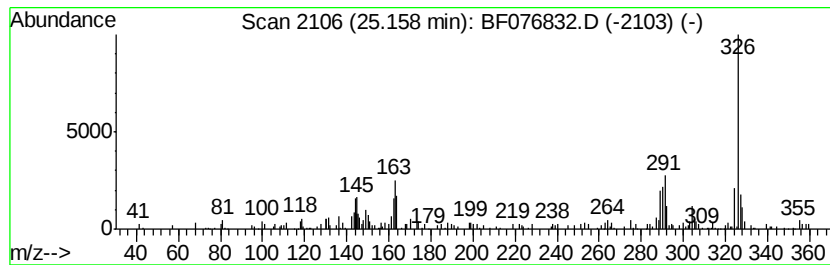
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown25.16 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.16	33.05 ng	518306	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,3-Dimethoxycarbonyl-cis-(2,2')...	326	C18H18N2O4	1000148-86-7	35
2		1-Naphthalenesulfonamide, 5-(dim...	326	C18H18N2O2S	034532-47-3	35
3		3,3'-Dimethoxycarbonyl-cis-(2,5')...	326	C18H18N2O4	1000148-86-9	32
4		1-Phosphacyclopent-2-ene, 5-meth...	326	C23H19P	1000161-36-9	27
5		Rubicene-	326	C26H14	000197-61-5	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

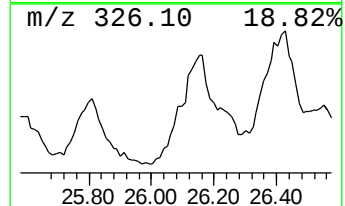
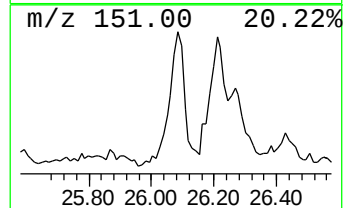
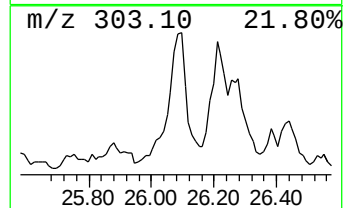
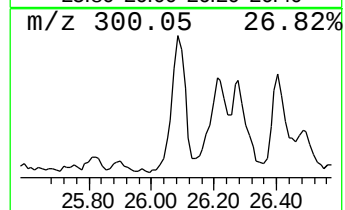
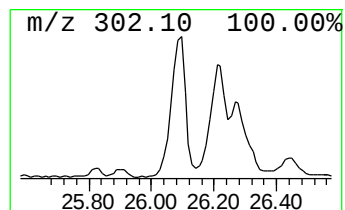
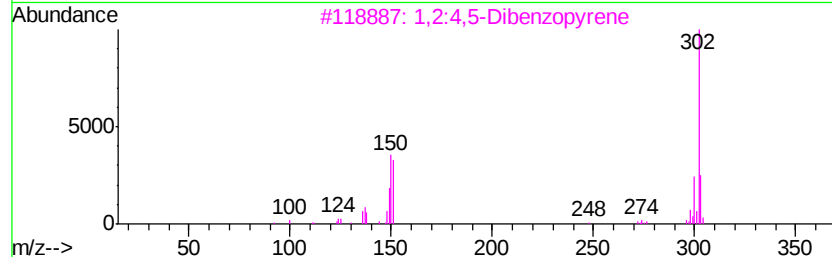
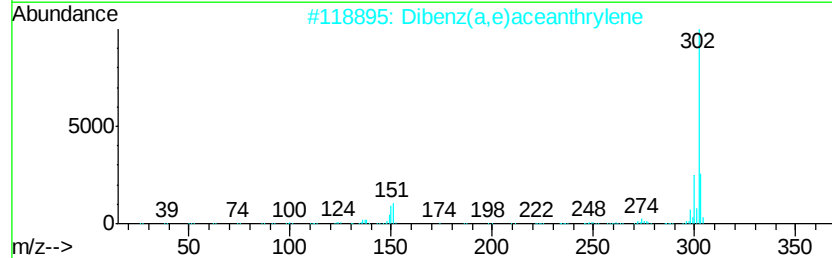
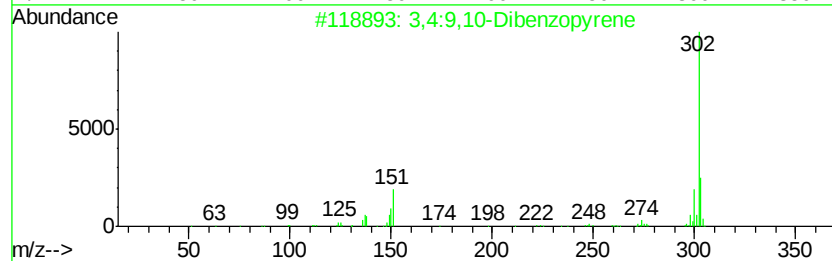
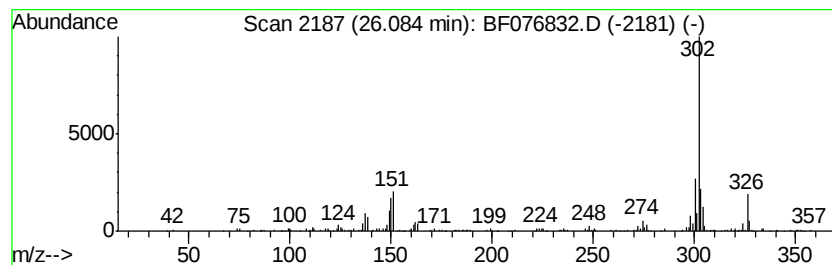
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.08	37.25 ng	584101	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076832.D
Acq On : 13 Jan 2015 6:28
Operator : IZ / TP
Sample : G1030-13
Misc : S
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP5-SS-1(2-4)

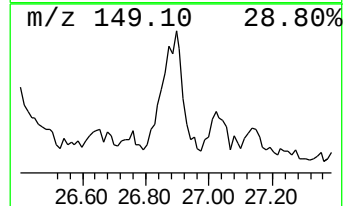
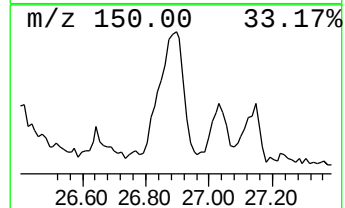
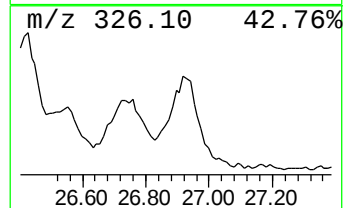
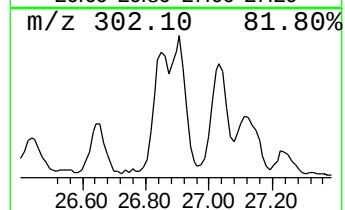
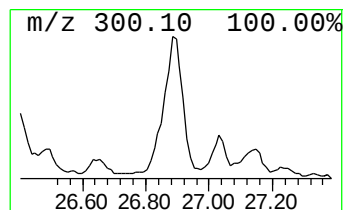
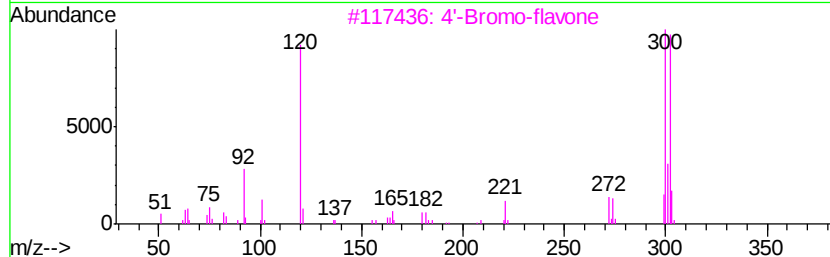
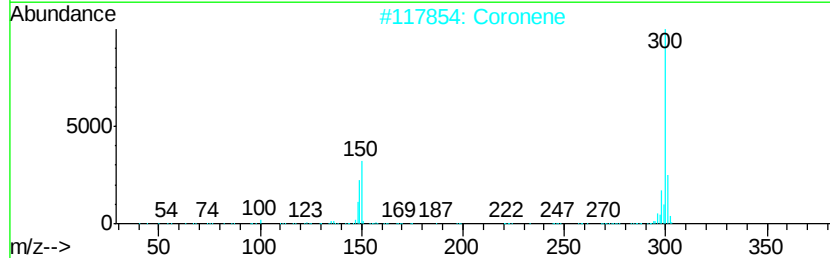
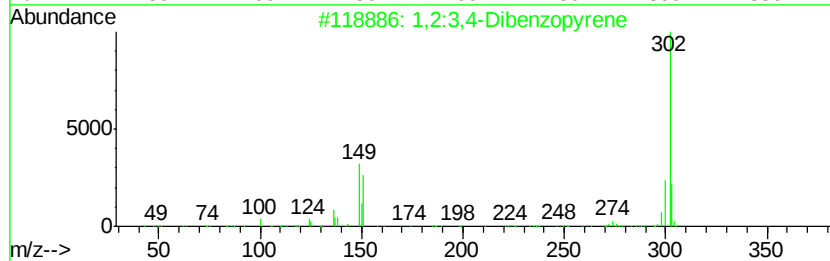
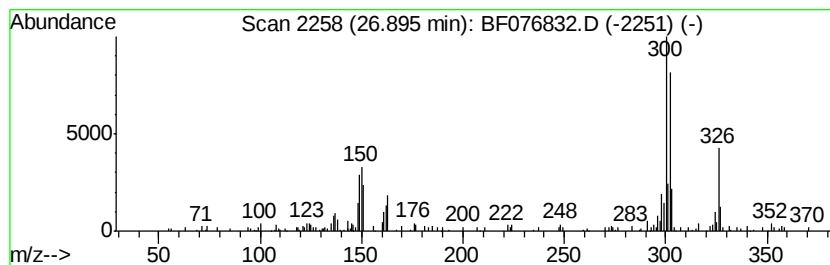
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
26.90	40.97 ng	642464	Perylene-d12	23.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86
2		Coronene	300	C24H12	000191-07-1	83
3		4'-Bromo-flavone	300	C15H9BrO2	020525-20-6	49
4		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	42
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
 Data File : BF076832.D
 Acq On : 13 Jan 2015 6:28
 Operator : IZ / TP
 Sample : G1030-13
 Misc : S
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-SS-1(2-4)

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	25.6	ng	235241	1	8.08	184018	20.0
unknown7.59	7.59	91.0	ng	836894	1	8.08	184018	20.0
Phenanthrene, 2-m...	18.63	16.3	ng	262528	4	17.85	323113	20.0
4H-Cyclopenta[def...	18.73	26.0	ng	419931	4	17.85	323113	20.0
1,2,4,8-Tetrameth...	19.03	15.7	ng	252890	4	17.85	323113	20.0
Cyclopenta(def)ph...	19.43	16.4	ng	265705	4	17.85	323113	20.0
5,12-Naphthacened...	22.23	15.3	ng	239710	6	23.04	313639	20.0
Dinaphtho[1,2-b:1...	22.85	15.3	ng	239966	6	23.04	313639	20.0
Benzo[e]pyrene	22.93	73.0	ng	1144210	6	23.04	313639	20.0
1,2:7,8-Dibenzoph...	24.38	12.3	ng	192483	6	23.04	313639	20.0
unknown25.16	25.16	33.0	ng	518306	6	23.04	313639	20.0
3,4:9,10-Dibenzop...	26.08	37.3	ng	584101	6	23.04	313639	20.0
1,2:3,4-Dibenzopy...	26.90	41.0	ng	642464	6	23.04	313639	20.0