

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF090817\
 Data File : BF098364.D
 Acq On : 8 Sep 2017 21:35
 Operator : SJ/JU
 Sample : I5113-01 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-1-0-12.25

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-BF081517.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.187	353	357	366	rBV	57313	75738	4.85%	0.410%
2	4.845	466	469	481	rBV	66261	74892	4.79%	0.405%
3	5.287	541	544	550	rBV	39983	39139	2.50%	0.212%
4	6.328	718	721	728	rBV	86299	87805	5.62%	0.475%
5	6.451	739	742	749	rBB	75418	62826	4.02%	0.340%
6	6.681	778	781	785	rBV	566630	466259	29.83%	2.522%
7	6.834	804	807	815	rBB	77123	69450	4.44%	0.376%
8	7.245	874	877	882	rBV	50542	44400	2.84%	0.240%
9	7.963	996	999	1002	rBV	603077	571258	36.55%	3.091%
10	8.681	1118	1121	1124	rBV	78282	61341	3.92%	0.332%
11	8.775	1134	1137	1141	rBV	46804	40231	2.57%	0.218%
12	9.039	1179	1182	1188	rBB	122480	88637	5.67%	0.480%
13	9.139	1195	1199	1203	rBB	30751	23604	1.51%	0.128%
14	9.310	1224	1228	1231	rBV	26285	32603	2.09%	0.176%
15	9.375	1236	1239	1242	rBV	35548	35820	2.29%	0.194%
16	9.716	1292	1297	1300	rBV	593964	513732	32.87%	2.779%
17	9.751	1300	1303	1307	rVB	301488	252313	16.14%	1.365%
18	9.922	1329	1332	1336	rBV	238383	184327	11.79%	0.997%
19	10.263	1387	1390	1396	rVB	448081	353988	22.65%	1.915%
20	10.351	1403	1405	1407	rVB	46866	36493	2.33%	0.197%
21	10.422	1415	1417	1421	rVB	69587	51090	3.27%	0.276%
22	10.504	1427	1431	1435	rBV	63774	73962	4.73%	0.400%
23	10.810	1477	1483	1486	rBV2	59168	69425	4.44%	0.376%
24	10.892	1494	1497	1500	rVB3	24225	22822	1.46%	0.123%
25	11.051	1521	1524	1529	rVV2	27096	36659	2.35%	0.198%
26	11.098	1529	1532	1537	rVB	110175	93237	5.96%	0.504%
27	11.198	1546	1549	1551	rBV	481585	469657	30.05%	2.541%
28	11.227	1551	1554	1557	rVV	1861628	1552764	99.34%	8.401%
29	11.274	1557	1562	1566	rVV	652719	562535	35.99%	3.043%
30	11.310	1566	1568	1571	rVB	39482	35846	2.29%	0.194%
31	11.433	1582	1589	1597	rBV	198122	186467	11.93%	1.009%
32	11.498	1597	1600	1603	rVV3	29403	24962	1.60%	0.135%
33	11.533	1603	1606	1611	rVB2	20654	23352	1.49%	0.126%
34	11.698	1629	1634	1637	rBV	157778	158077	10.11%	0.855%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.727	1637	1639	1643	rVV	220032	198371	12.69%	1.073%
36	11.774	1643	1647	1650	rVV	102620	93151	5.96%	0.504%
37	11.816	1650	1654	1656	rVV	320871	343691	21.99%	1.859%
38	11.833	1656	1657	1662	rVB	105560	72422	4.63%	0.392%
39	11.910	1667	1670	1672	rVB2	27043	20852	1.33%	0.113%
40	11.998	1682	1685	1687	rBV	117077	97128	6.21%	0.525%
41	12.027	1687	1690	1692	rVB2	34120	31013	1.98%	0.168%
42	12.145	1706	1710	1713	rBV2	34896	31420	2.01%	0.170%
43	12.174	1713	1715	1717	rVV	26962	22889	1.46%	0.124%
44	12.198	1717	1719	1724	rVB	23661	21644	1.38%	0.117%
45	12.251	1724	1728	1731	rBV	66585	75813	4.85%	0.410%
46	12.286	1731	1734	1737	rVV2	44154	57612	3.69%	0.312%
47	12.339	1740	1743	1748	rBV3	34765	49487	3.17%	0.268%
48	12.416	1751	1756	1759	rBV	1753157	1509247	96.56%	8.165%
49	12.474	1764	1766	1769	rVB	31347	26166	1.67%	0.142%
50	12.557	1773	1780	1784	rBV2	51946	79054	5.06%	0.428%
51	12.639	1788	1794	1800	rBV2	1193451	1551158	99.24%	8.392%
52	12.686	1800	1802	1810	rVB2	74829	80531	5.15%	0.436%
53	12.757	1810	1814	1816	rBV	96268	89101	5.70%	0.482%
54	12.780	1816	1818	1820	rBV	82686	89113	5.70%	0.482%
55	12.863	1825	1832	1835	rBV3	92124	160900	10.29%	0.870%
56	12.892	1835	1837	1839	rVB	50182	37705	2.41%	0.204%
57	12.939	1839	1845	1847	rBV3	78699	105046	6.72%	0.568%
58	12.968	1847	1850	1853	rVB	354689	306369	19.60%	1.657%
59	13.033	1857	1861	1864	rVV	392750	320768	20.52%	1.735%
60	13.068	1864	1867	1870	rVV	155016	183319	11.73%	0.992%
61	13.092	1870	1871	1875	rVV	66680	63625	4.07%	0.344%
62	13.127	1875	1877	1880	rVV2	44139	40158	2.57%	0.217%
63	13.163	1880	1883	1886	rVV	62556	56531	3.62%	0.306%
64	13.192	1886	1888	1895	rVB2	74918	84485	5.41%	0.457%
65	13.321	1906	1910	1912	rBV2	37464	33029	2.11%	0.179%
66	13.368	1912	1918	1920	rBV5	41941	77640	4.97%	0.420%
67	13.392	1920	1922	1924	rVB2	47213	40190	2.57%	0.217%
68	13.451	1928	1932	1934	rBV	59943	67042	4.29%	0.363%
69	13.480	1934	1937	1940	rVB3	42829	56541	3.62%	0.306%
70	13.586	1950	1955	1957	rBV	138213	146164	9.35%	0.791%
71	13.610	1957	1959	1961	rVV	136359	124985	8.00%	0.676%

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Max Peaks: 100

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.633	1961	1963	1965	rVV	96725	104695	6.70%	0.566%
73	13.686	1969	1972	1974	rVB	46141	48302	3.09%	0.261%
74	13.751	1980	1983	1986	rVB	33874	33722	2.16%	0.182%
75	13.833	1989	1997	2000	rBV2	1011918	1563086	100.00%	8.456%
76	13.863	2000	2002	2005	rVB	696010	531581	34.01%	2.876%
77	13.939	2010	2015	2018	rBV	172910	174078	11.14%	0.942%
78	13.986	2020	2023	2025	rVV2	41235	55501	3.55%	0.300%
79	14.027	2028	2030	2032	rVV	94367	83865	5.37%	0.454%
80	14.063	2034	2036	2039	rVV	85483	84307	5.39%	0.456%
81	14.092	2039	2041	2045	rVB4	25051	23123	1.48%	0.125%
82	14.151	2049	2051	2053	rBV2	20742	21203	1.36%	0.115%
83	14.186	2054	2057	2059	rVV2	41175	42330	2.71%	0.229%
84	14.221	2059	2063	2066	rVV	134788	147953	9.47%	0.800%
85	14.257	2066	2069	2071	rVB2	55092	55791	3.57%	0.302%
86	14.315	2076	2079	2082	rVV2	74999	82489	5.28%	0.446%
87	14.345	2082	2084	2086	rVV	61320	57030	3.65%	0.309%
88	14.363	2086	2087	2090	rVB2	82424	68603	4.39%	0.371%
89	14.527	2113	2115	2117	rBV3	39418	39001	2.50%	0.211%
90	14.698	2142	2144	2148	rBV2	38089	33180	2.12%	0.180%
91	14.851	2165	2170	2172	rBV	410289	582449	37.26%	3.151%
92	14.945	2184	2186	2191	rVB	90124	88445	5.66%	0.478%
93	15.027	2198	2200	2202	rBV3	27423	32500	2.08%	0.176%
94	15.127	2213	2217	2223	rVV	229487	278751	17.83%	1.508%
95	15.186	2223	2227	2232	rVV	336682	397610	25.44%	2.151%
96	15.245	2233	2237	2240	rVV	355189	417618	26.72%	2.259%
97	15.274	2240	2242	2248	rVB2	108923	130633	8.36%	0.707%
98	15.757	2322	2324	2329	rVB2	30001	38164	2.44%	0.206%
99	16.598	2462	2467	2475	rVB2	108830	198994	12.73%	1.077%
100	17.003	2531	2536	2547	rBV	71851	148979	9.53%	0.806%

Sum of corrected areas: 18484054

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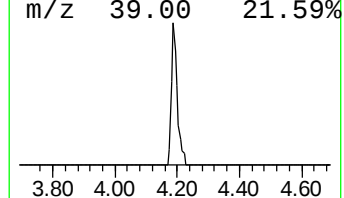
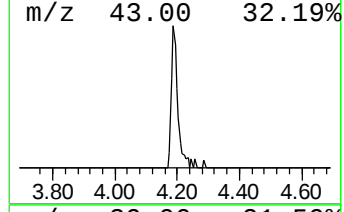
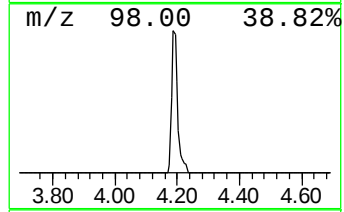
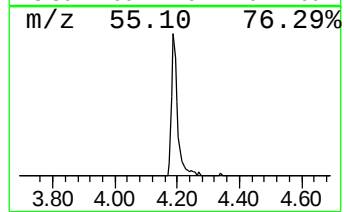
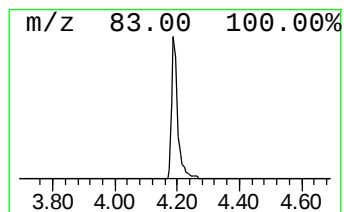
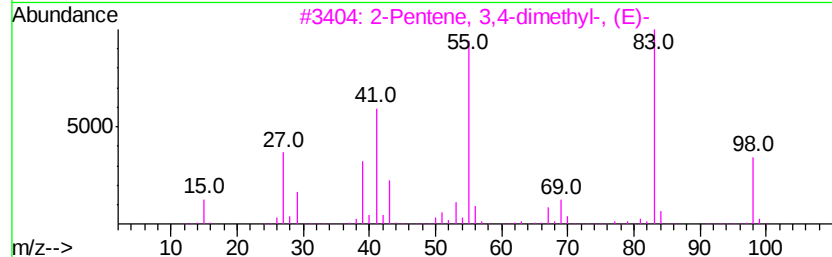
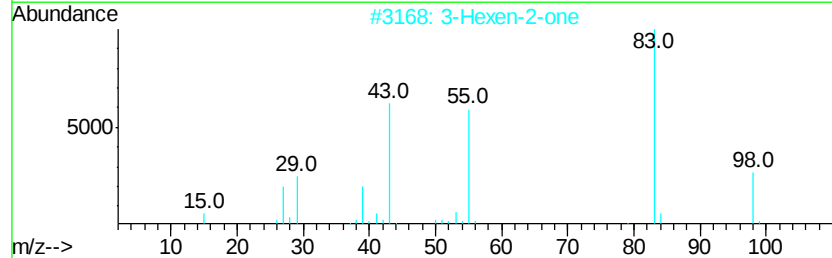
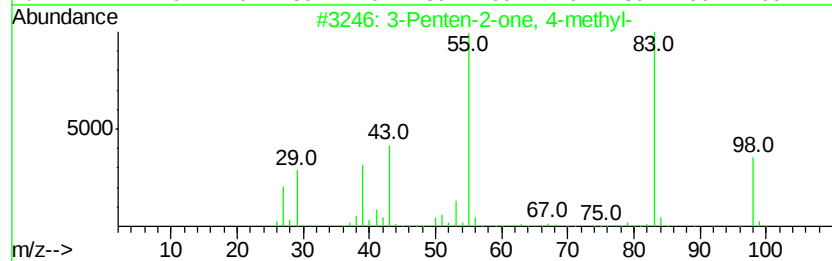
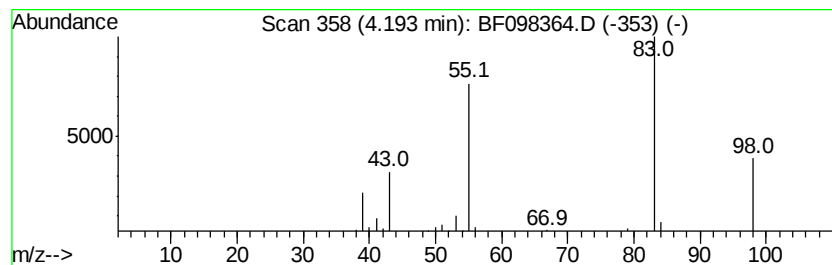
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.19	3.25 ng	75738	1,4-Dichlorobenzene-d4	6.68

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2			3-Hexen-2-one	98	C6H10O	000763-93-9	91
3			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
4			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5			2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86



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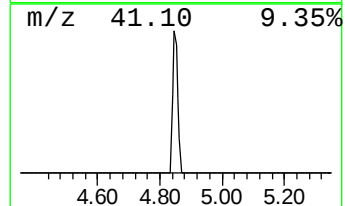
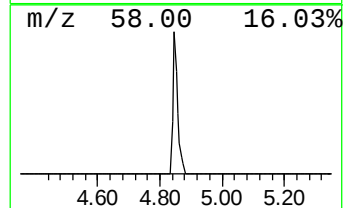
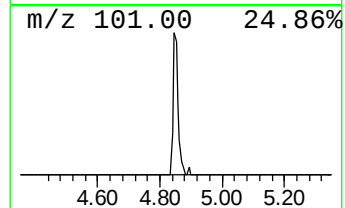
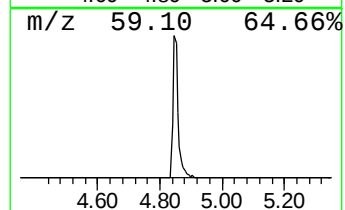
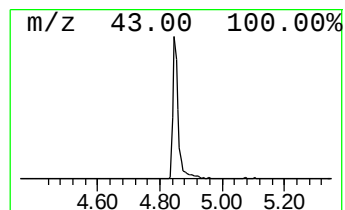
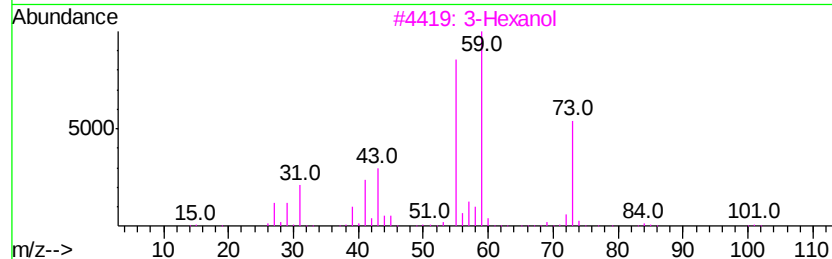
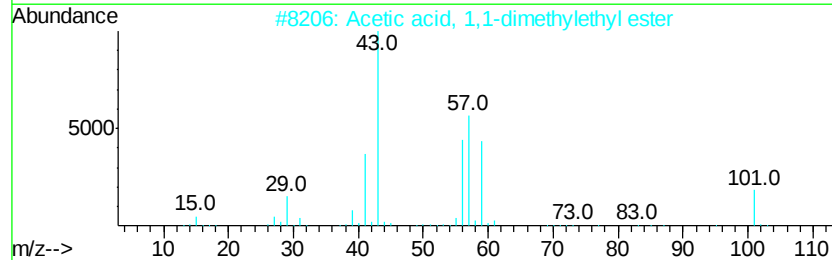
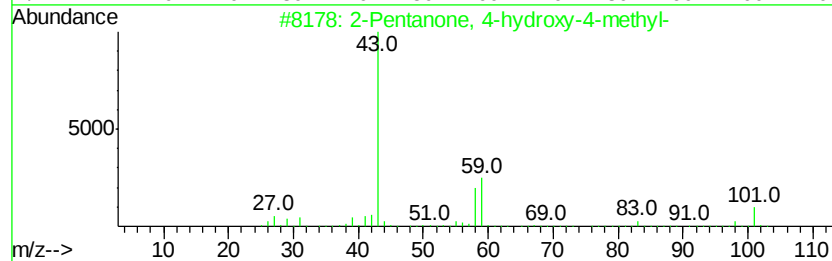
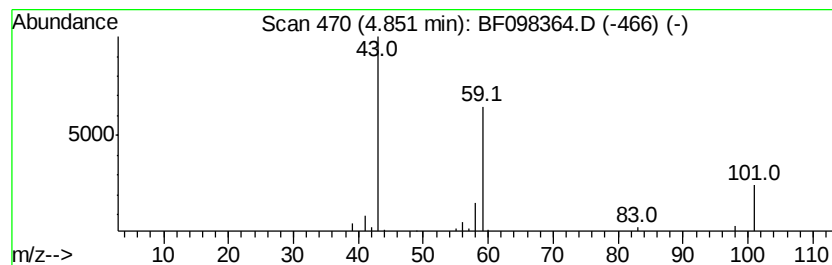
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	3.21 ng	74892	1,4-Dichlorobenzene-d4	6.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3		3-Hexanol	102	C6H14O	000623-37-0	23
4		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5		Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	16



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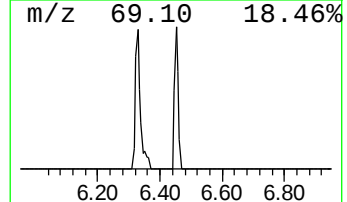
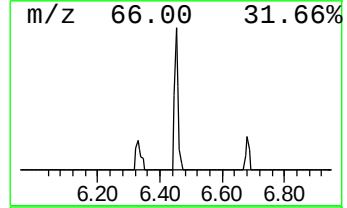
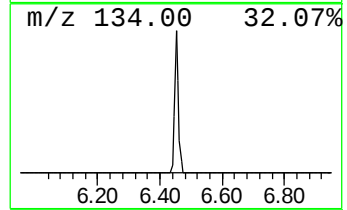
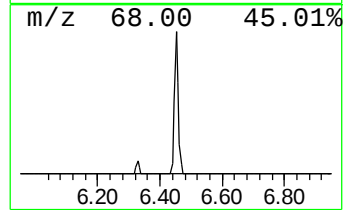
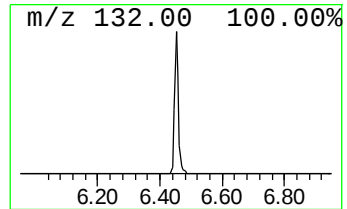
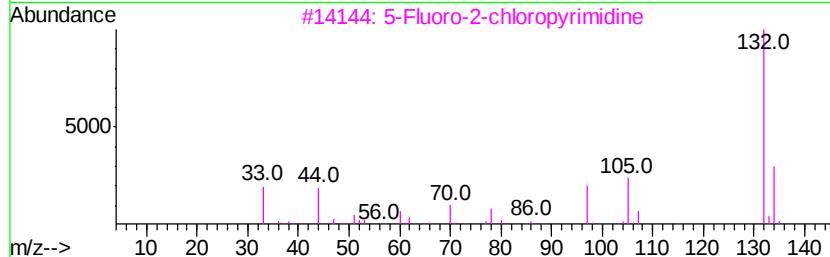
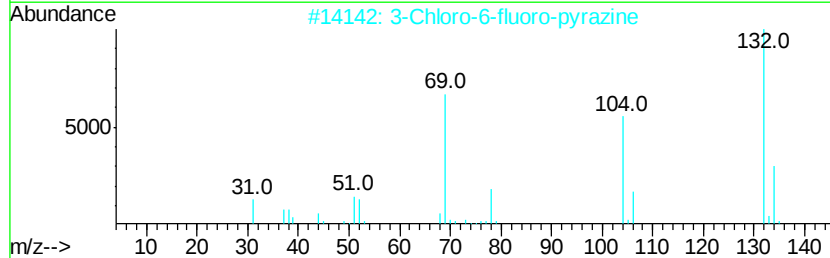
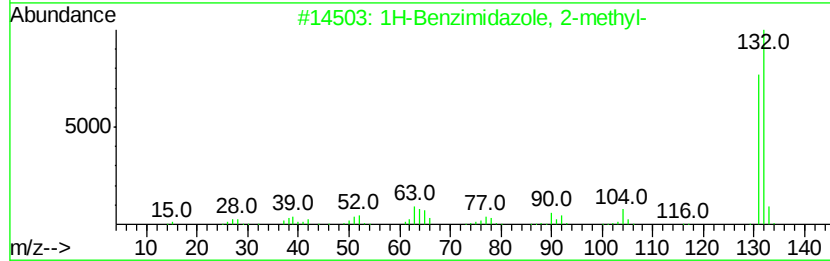
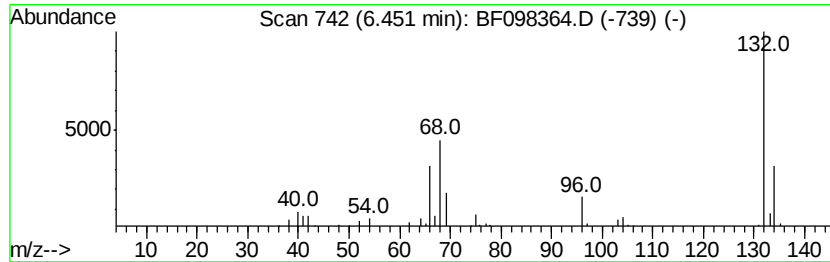
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.45 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	2.69 ng	62826	1,4-Dichlorobenzene-d4	6.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
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Acq On : 8 Sep 2017 21:35
Operator : SJ/JU
Sample : I5113-01 20X
Misc :
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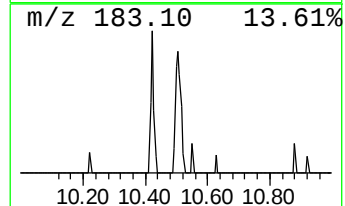
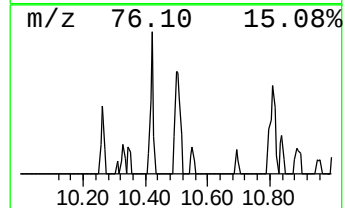
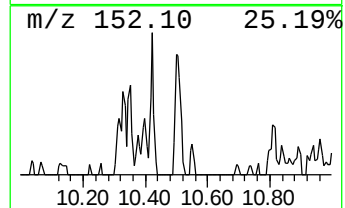
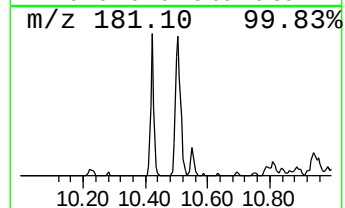
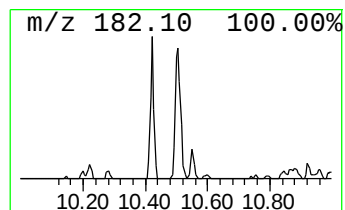
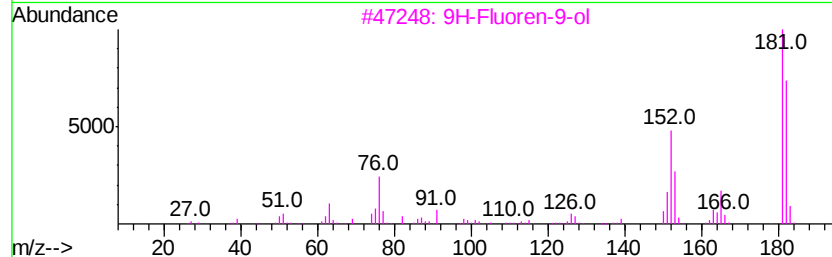
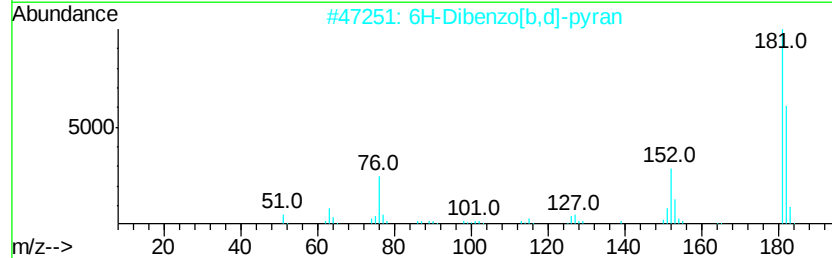
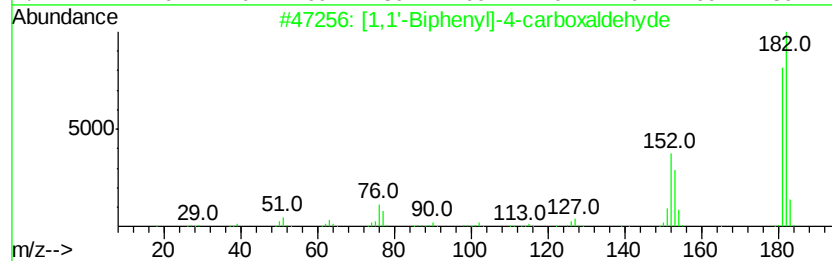
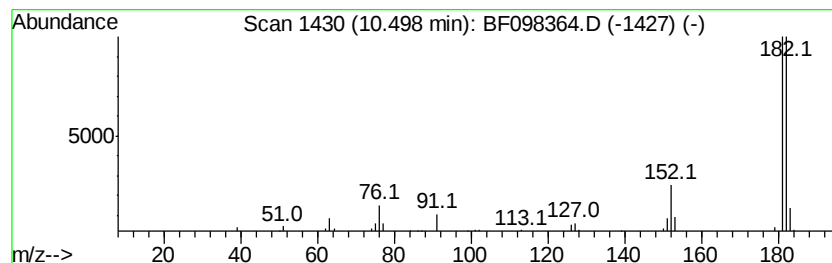
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	3.15 ng	73962	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2		6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
4		3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
5		2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
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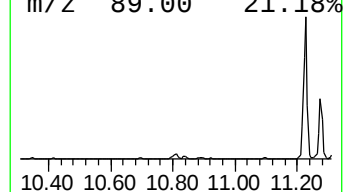
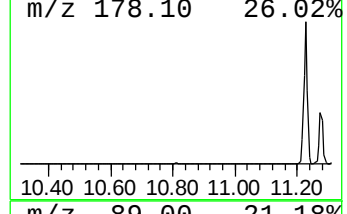
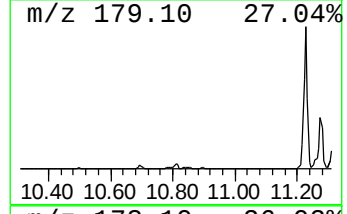
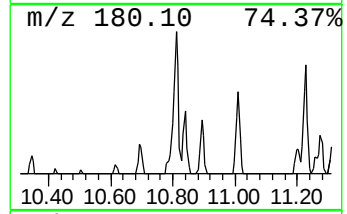
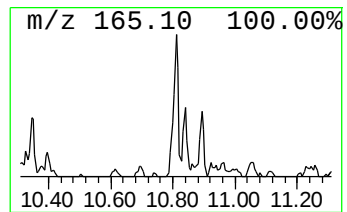
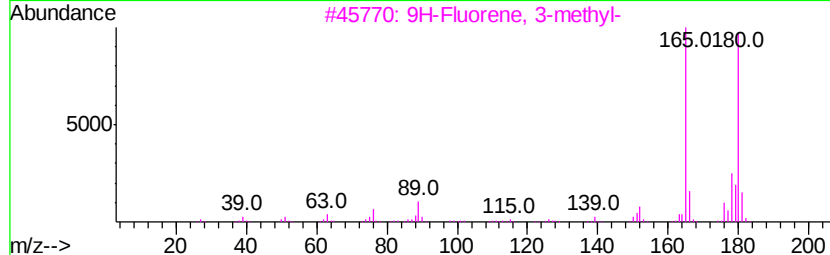
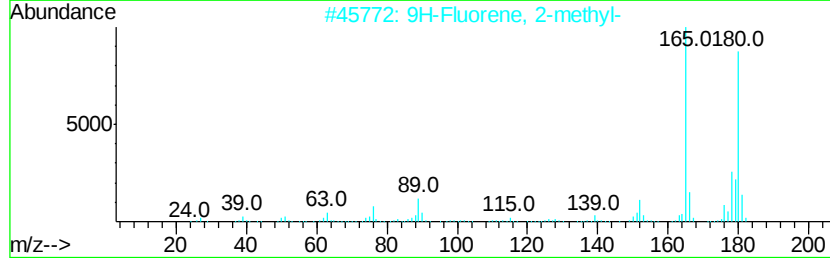
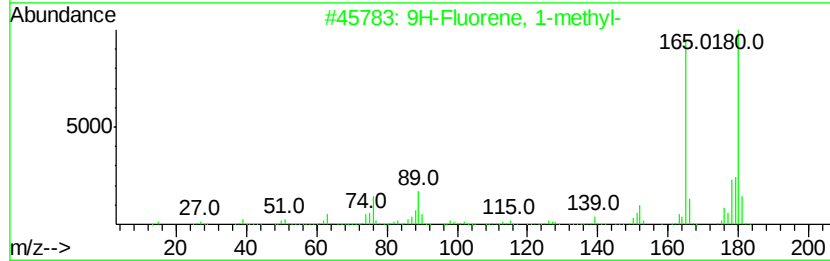
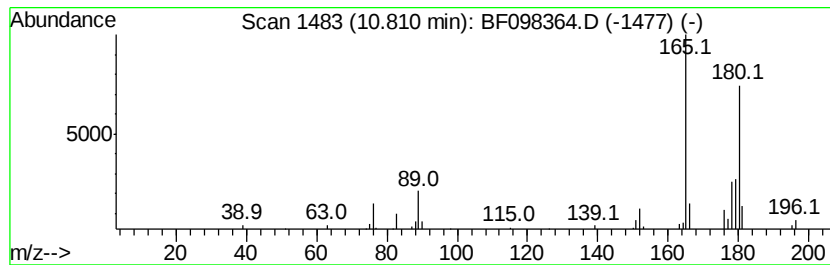
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.81	2.96 ng	69425	Phenanthrene-d10		11.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098364.D
Acq On : 8 Sep 2017 21:35
Operator : SJ/JU
Sample : I5113-01 20X
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Instrument :
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ClientSampleId :
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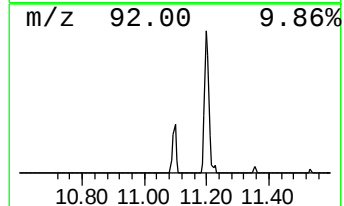
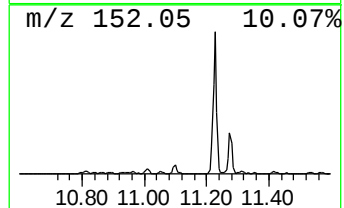
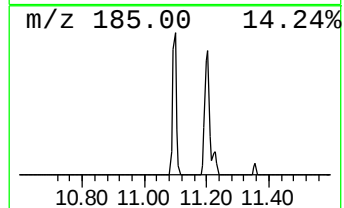
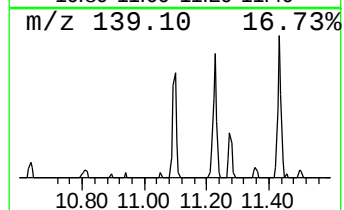
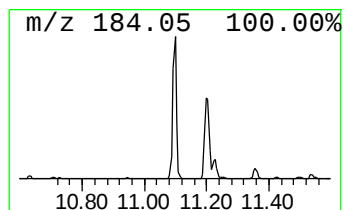
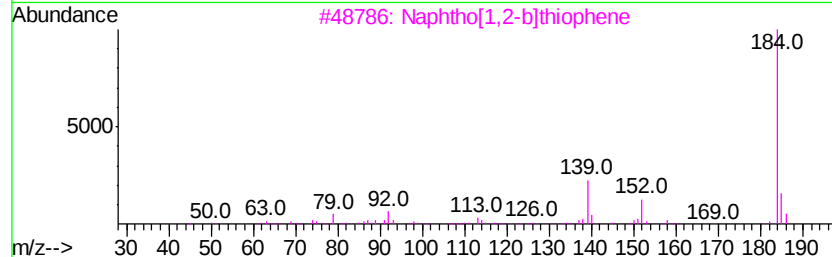
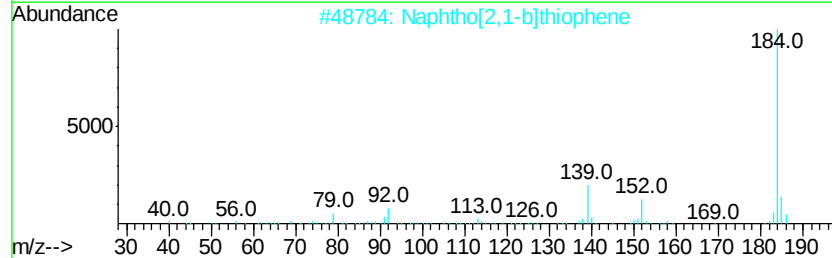
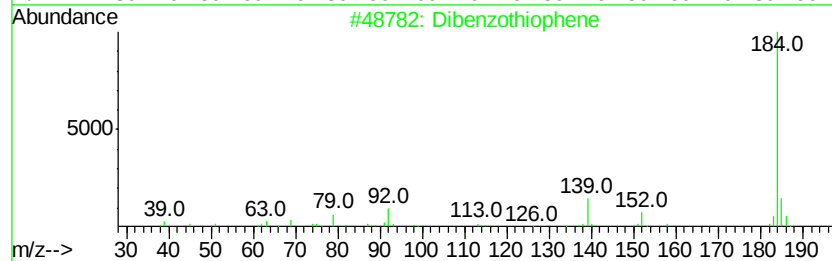
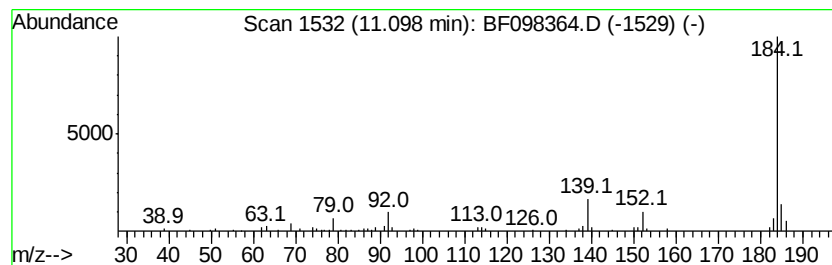
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.97 ng	93237	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
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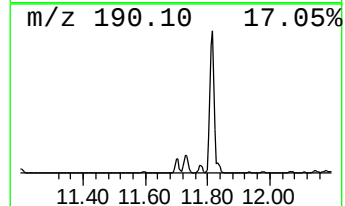
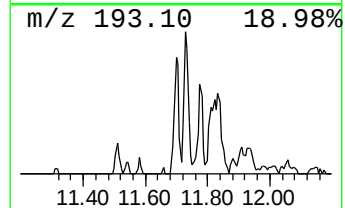
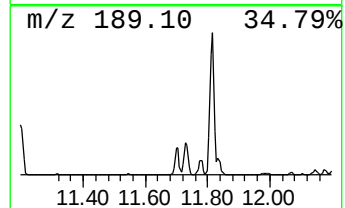
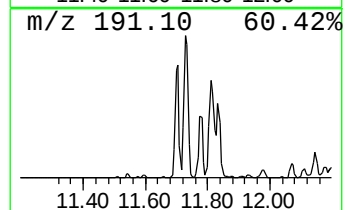
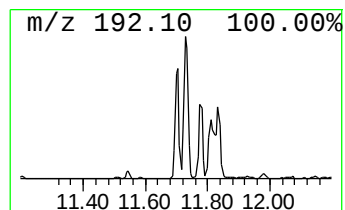
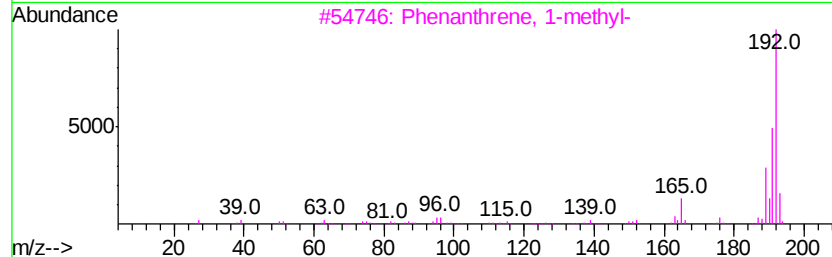
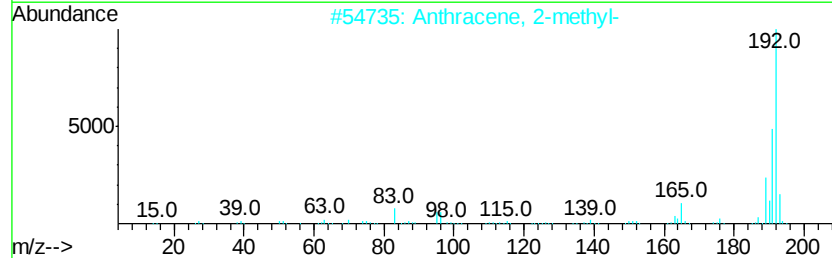
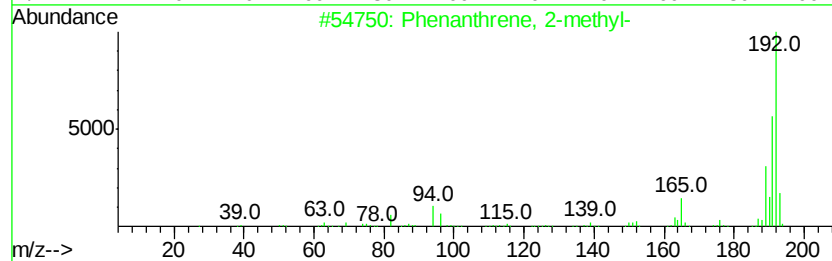
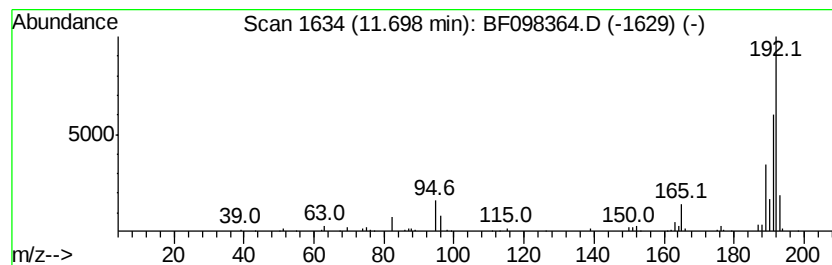
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.73 ng	158077	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



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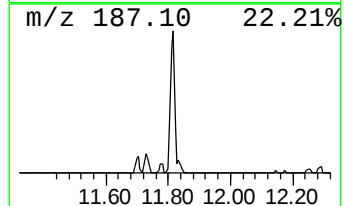
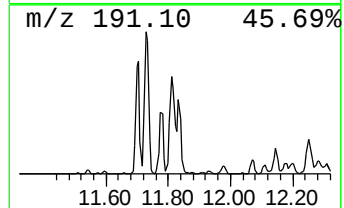
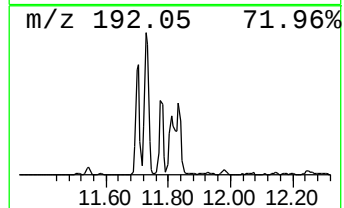
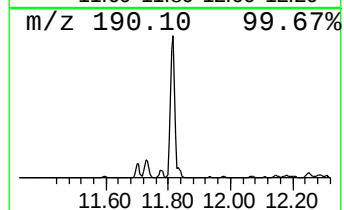
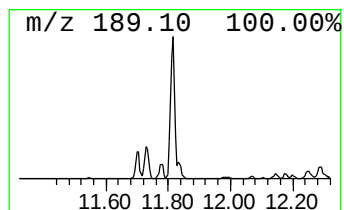
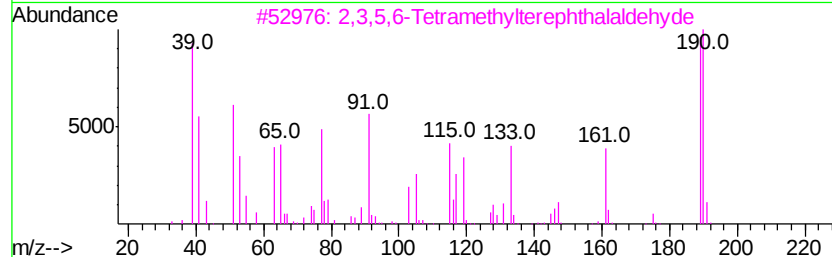
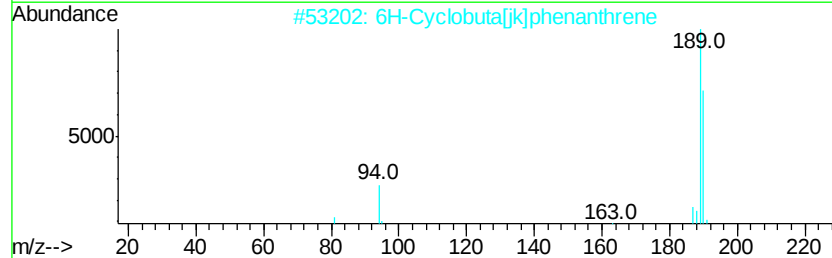
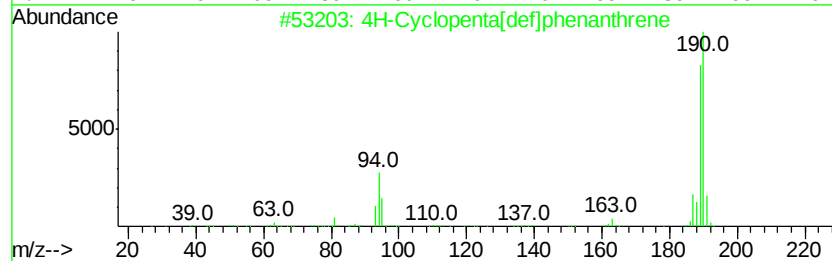
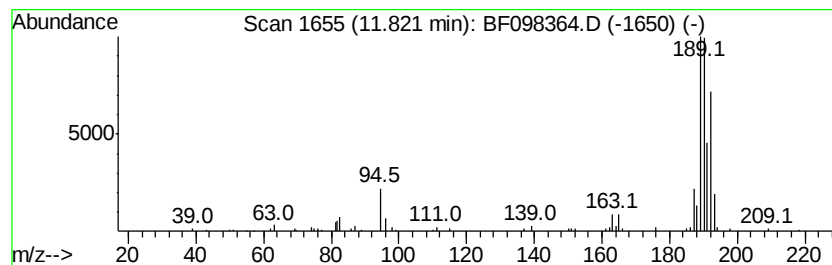
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	14.64 ng	343691	Phenanthrene-d10	11.20	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.83	3.08 ng	72422	Phenanthrene-d10		11.20
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	72
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	68
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	68

