

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099873.D
 Acq On : 26 Oct 2017 21:11
 Operator : SJ/JU
 Sample : I6112-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-MARION26KV-(2-3)

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-BF102317.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	4.998	492	495	506	rVB	144760	181993	9.00%	0.527%
2	5.410	562	565	585	rBV	896959	1049869	51.90%	3.039%
3	6.440	736	740	753	rBV	1039138	1154989	57.10%	3.344%
4	6.569	758	762	767	rVV	1296539	1193934	59.02%	3.456%
5	6.793	797	800	806	rBV	405678	340677	16.84%	0.986%
6	6.951	823	827	835	rVB	1074549	999808	49.42%	2.894%
7	7.363	894	897	908	rBV	842582	740445	36.60%	2.143%
8	8.075	1015	1018	1021	rVV	520841	458684	22.67%	1.328%
9	8.639	1110	1114	1116	rBV	121154	110539	5.46%	0.320%
10	8.792	1137	1140	1146	rVB	62451	56193	2.78%	0.163%
11	9.157	1198	1202	1205	rBV	1750997	1472242	72.78%	4.262%
12	9.498	1256	1260	1262	rVV	56135	60022	2.97%	0.174%
13	9.557	1266	1270	1276	rVV	614988	538085	26.60%	1.558%
14	9.698	1291	1294	1298	rVV2	65309	61218	3.03%	0.177%
15	9.839	1314	1318	1321	rVB	603962	495596	24.50%	1.435%
16	9.869	1321	1323	1327	rVB	106325	96192	4.76%	0.278%
17	10.045	1349	1353	1356	rVV2	73111	76684	3.79%	0.222%
18	10.386	1408	1411	1416	rVB2	103909	117370	5.80%	0.340%
19	10.557	1436	1440	1443	rVB	590719	548624	27.12%	1.588%
20	10.633	1450	1453	1459	rVB	766155	721805	35.68%	2.090%
21	10.745	1467	1472	1475	rBV3	59184	90238	4.46%	0.261%
22	10.939	1499	1505	1508	rBV	206434	222476	11.00%	0.644%
23	10.969	1508	1510	1512	rBV	61335	55922	2.76%	0.162%
24	11.086	1528	1530	1535	rVV2	42575	50700	2.51%	0.147%
25	11.145	1535	1540	1543	rVV3	68175	79041	3.91%	0.229%
26	11.180	1543	1546	1549	rVV2	72412	81204	4.01%	0.235%
27	11.233	1552	1555	1558	rVB2	91479	89580	4.43%	0.259%
28	11.333	1568	1572	1574	rBV	628199	557705	27.57%	1.614%
29	11.357	1574	1576	1580	rVV	1268155	1084268	53.60%	3.139%
30	11.410	1580	1585	1588	rVV	300470	268421	13.27%	0.777%
31	11.451	1588	1592	1596	rVB3	38533	63800	3.15%	0.185%
32	11.575	1608	1613	1616	rBV2	130615	151892	7.51%	0.440%
33	11.663	1623	1628	1630	rBV2	47001	63933	3.16%	0.185%
34	11.833	1654	1657	1659	rVV	284193	235149	11.62%	0.681%

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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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.863	1659	1662	1666	rVV	382412	394056	19.48%	1.141%
36	11.910	1668	1670	1673	rVV	100380	103124	5.10%	0.299%
37	11.945	1673	1676	1679	rVV2	375002	427892	21.15%	1.239%
38	11.969	1679	1680	1686	rVB	212347	156892	7.76%	0.454%
39	12.016	1686	1688	1692	rBV4	55333	69621	3.44%	0.202%
40	12.127	1704	1707	1712	rVV	180751	185875	9.19%	0.538%
41	12.175	1712	1715	1718	rVV2	120905	112433	5.56%	0.325%
42	12.280	1728	1733	1735	rBV2	88546	111524	5.51%	0.323%
43	12.310	1735	1738	1740	rVB	86140	64747	3.20%	0.187%
44	12.363	1745	1747	1749	rBV	127467	117503	5.81%	0.340%
45	12.386	1749	1751	1753	rVV	227545	196090	9.69%	0.568%
46	12.422	1753	1757	1759	rVV3	85255	133687	6.61%	0.387%
47	12.445	1759	1761	1763	rVB	79499	55761	2.76%	0.161%
48	12.486	1763	1768	1771	rBV2	112699	160951	7.96%	0.466%
49	12.557	1776	1780	1783	rBV	1782782	1644055	81.27%	4.759%
50	12.616	1788	1790	1793	rBV2	51461	52707	2.61%	0.153%
51	12.645	1793	1795	1801	rVB4	40830	63684	3.15%	0.184%
52	12.704	1801	1805	1807	rBV3	120059	116720	5.77%	0.338%
53	12.786	1813	1819	1825	rBV	1678622	2022922	100.00%	5.856%
54	12.833	1825	1827	1831	rVB	137601	132926	6.57%	0.385%
55	12.922	1834	1842	1845	rBV	1508770	1532446	75.75%	4.436%
56	12.951	1845	1847	1851	rVB	105314	106436	5.26%	0.308%
57	13.004	1851	1856	1860	rBV3	155781	287446	14.21%	0.832%
58	13.051	1860	1864	1867	rBV2	45923	60844	3.01%	0.176%
59	13.116	1867	1875	1877	rBV	307370	465320	23.00%	1.347%
60	13.180	1883	1886	1888	rBV	169173	147125	7.27%	0.426%
61	13.216	1888	1892	1899	rVB3	208904	276685	13.68%	0.801%
62	13.310	1905	1908	1911	rBV	171099	150333	7.43%	0.435%
63	13.339	1911	1913	1922	rVB2	168429	226149	11.18%	0.655%
64	13.433	1922	1929	1932	rBV6	33138	68409	3.38%	0.198%
65	13.516	1940	1943	1945	rBV3	47541	53561	2.65%	0.155%
66	13.539	1945	1947	1953	rVB5	84773	132361	6.54%	0.383%
67	13.598	1954	1957	1959	rBV2	54726	65831	3.25%	0.191%
68	13.633	1959	1963	1966	rVB	173356	160856	7.95%	0.466%
69	13.739	1975	1981	1983	rBV2	245361	299187	14.79%	0.866%
70	13.757	1983	1984	1987	rVB	171902	115437	5.71%	0.334%
71	13.804	1987	1992	1996	rBV3	209937	328362	16.23%	0.951%

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 Sampling : 1 Min Area: 3 % of largest Peak
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 Stop Thrs : 0 Peak Location: TOP

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72	13.845	1996	1999	2004	rVB	184152	194994	9.64%	0.564%
73	13.910	2005	2010	2012	rBV	64961	96090	4.75%	0.278%
74	13.980	2016	2022	2026	rBV3	1068177	1760485	87.03%	5.096%
75	14.016	2026	2028	2032	rVB	882826	821244	40.60%	2.377%
76	14.098	2039	2042	2044	rVB	178353	140488	6.94%	0.407%
77	14.151	2048	2051	2055	rVV2	74174	102831	5.08%	0.298%
78	14.192	2055	2058	2059	rVV	59795	60778	3.00%	0.176%
79	14.227	2062	2064	2066	rVB	94841	75130	3.71%	0.217%
80	14.339	2081	2083	2085	rBV	75157	73471	3.63%	0.213%
81	14.380	2085	2090	2093	rVV	248627	280588	13.87%	0.812%
82	14.416	2093	2096	2098	rVV	96528	86349	4.27%	0.250%
83	14.480	2105	2107	2109	rVB2	77054	60619	3.00%	0.175%
84	14.510	2109	2112	2113	rBV	119109	113540	5.61%	0.329%
85	14.716	2143	2147	2149	rBV2	99190	133195	6.58%	0.386%
86	14.886	2173	2176	2180	rVB2	94773	117645	5.82%	0.341%
87	15.051	2199	2204	2214	rVB	823247	1664152	82.26%	4.817%
88	15.163	2219	2223	2227	rBV	179439	203400	10.05%	0.589%
89	15.245	2234	2237	2242	rBV3	45857	95925	4.74%	0.278%
90	15.357	2252	2256	2263	rVB	499528	649366	32.10%	1.880%
91	15.427	2263	2268	2274	rVV	671456	919573	45.46%	2.662%
92	15.486	2274	2278	2281	rVV	382109	470408	23.25%	1.362%
93	15.515	2281	2283	2289	rVB2	224233	295441	14.60%	0.855%
94	15.657	2304	2307	2310	rBV2	52372	70247	3.47%	0.203%
95	16.051	2371	2374	2378	rVB2	51996	68088	3.37%	0.197%
96	16.986	2526	2533	2541	rVB	326497	671168	33.18%	1.943%
97	17.157	2556	2562	2567	rBV2	72320	146370	7.24%	0.424%
98	17.215	2568	2572	2579	rVB2	63620	120912	5.98%	0.350%
99	17.445	2605	2611	2620	rBV	250351	538397	26.61%	1.559%
100	17.698	2649	2654	2663	rVB	64505	143848	7.11%	0.416%

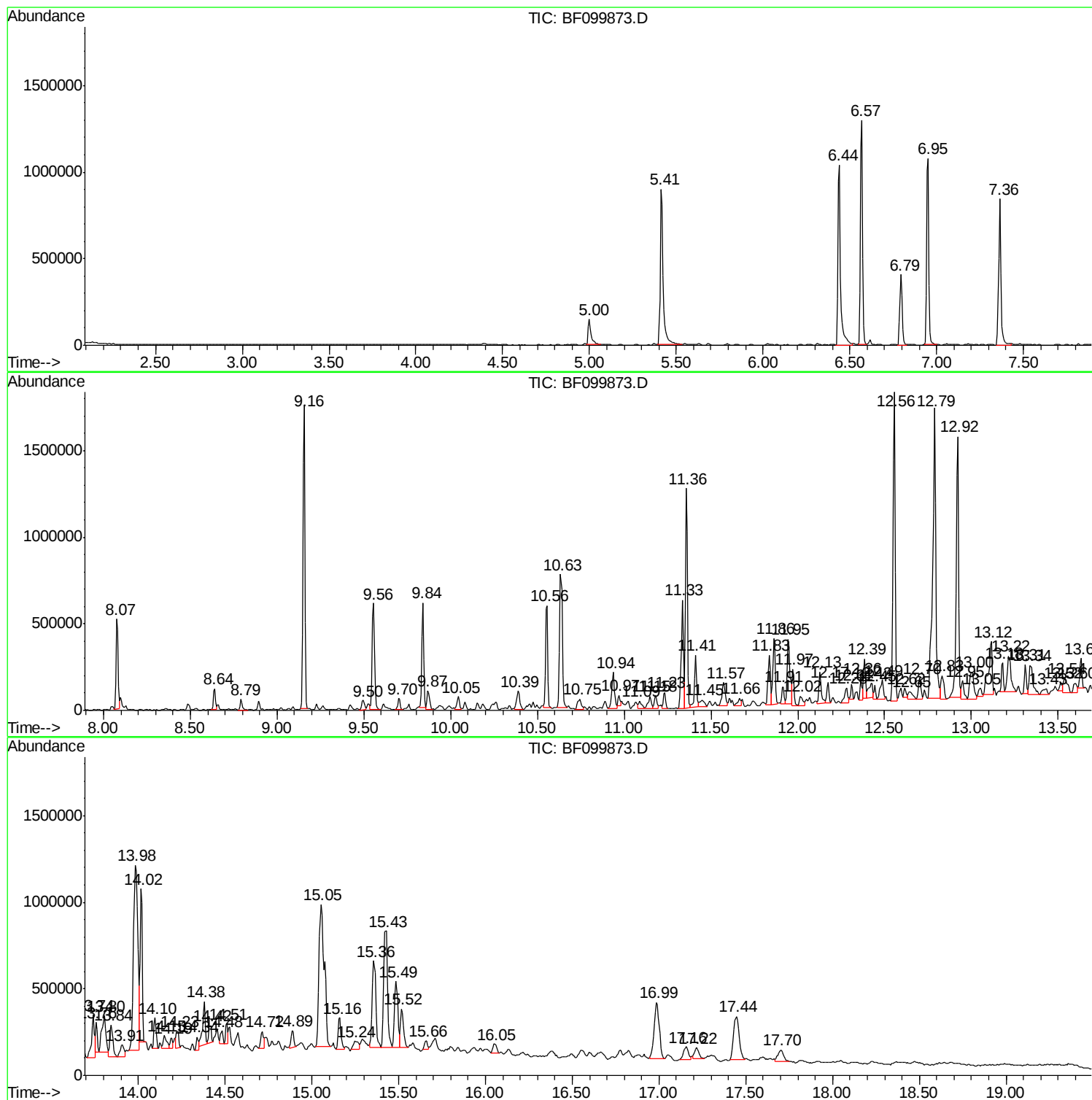
Sum of corrected areas: 34543998

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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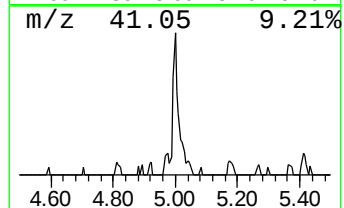
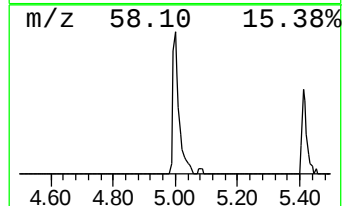
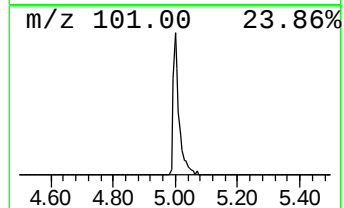
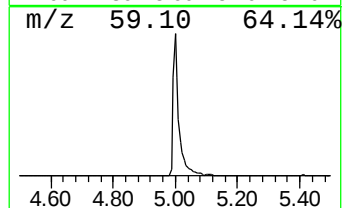
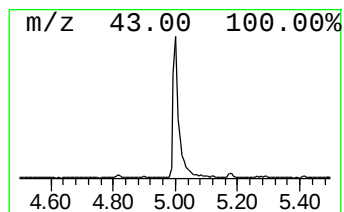
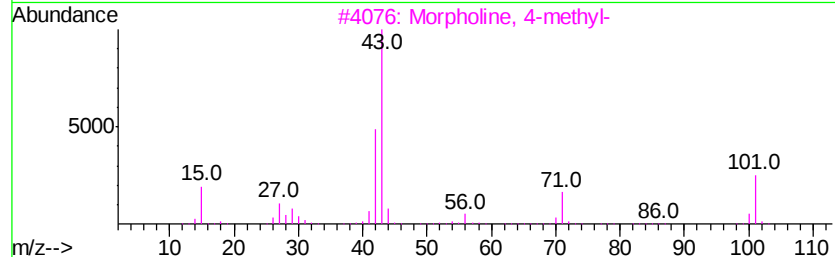
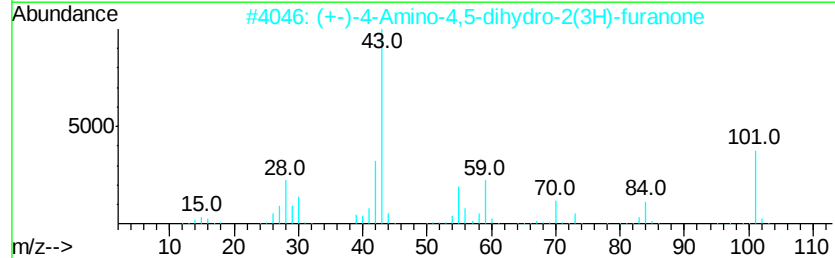
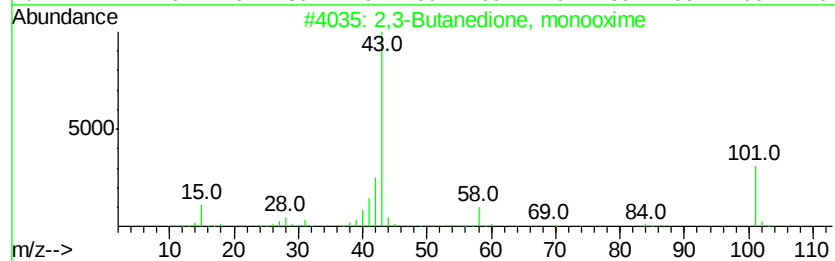
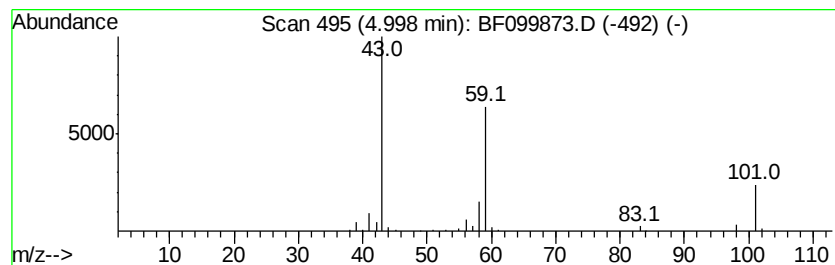
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown5.00 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	10.68 ng	181993	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
2		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
3		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	9



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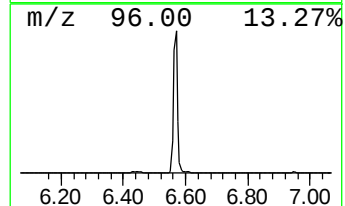
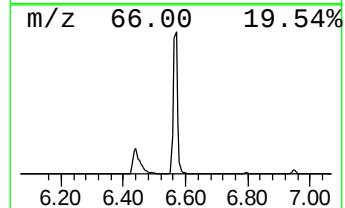
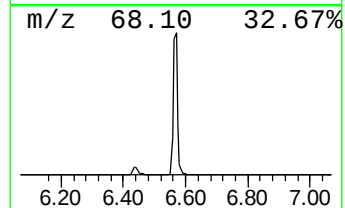
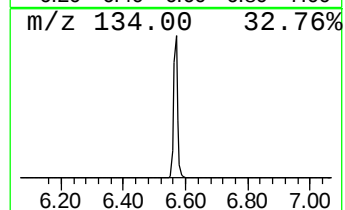
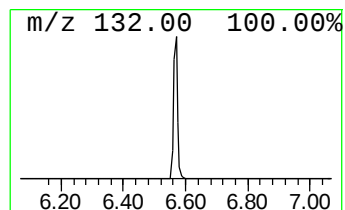
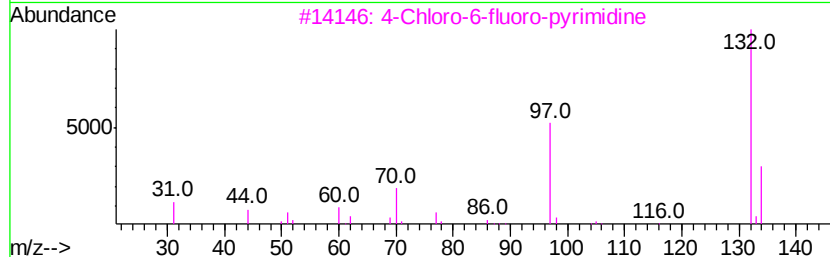
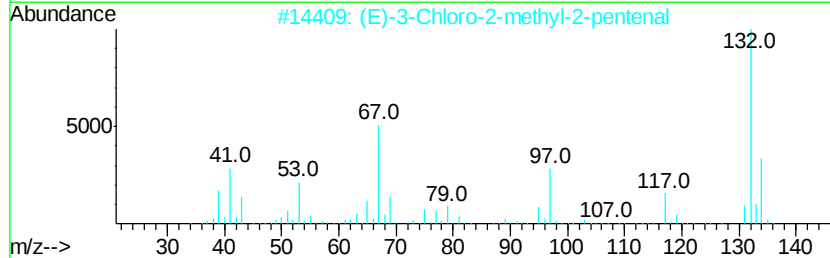
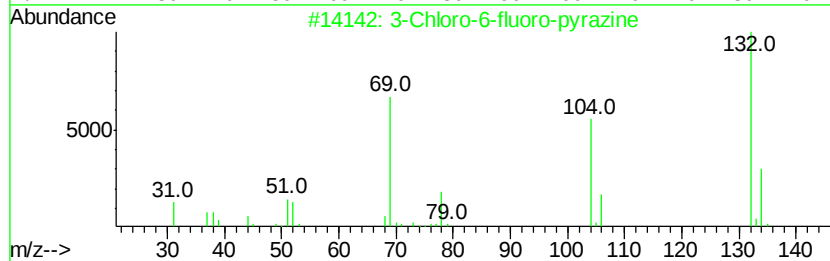
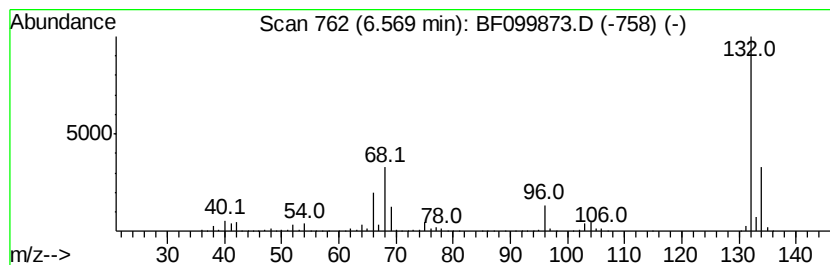
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	70.09 ng	1193930	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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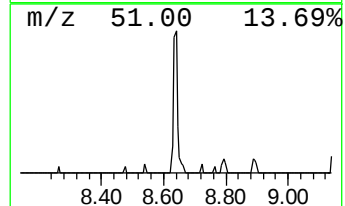
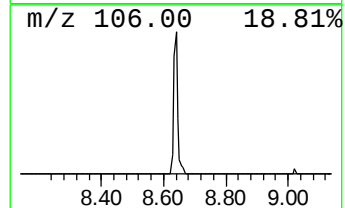
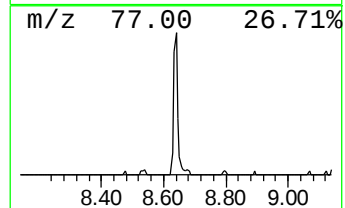
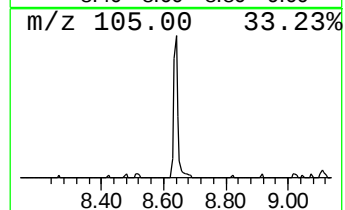
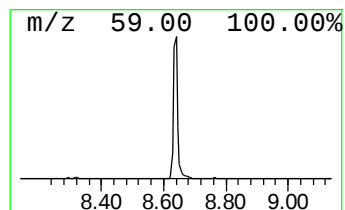
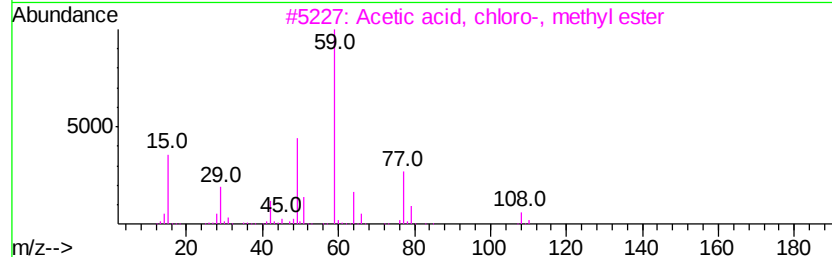
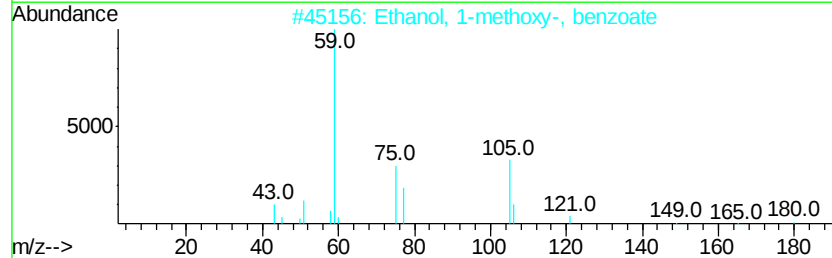
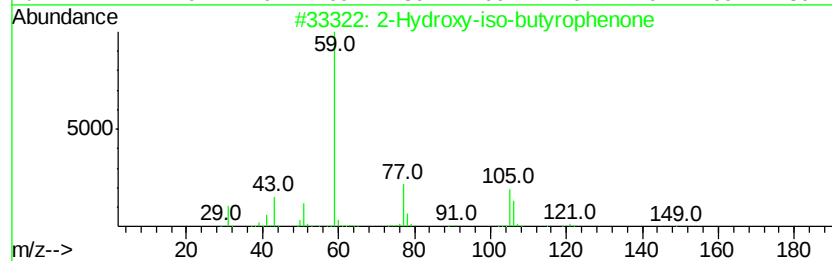
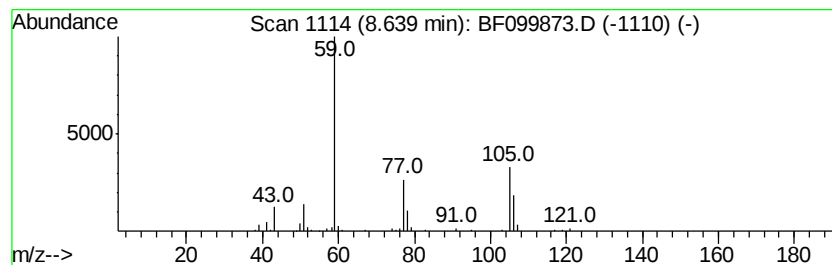
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Hydroxy-iso-butyrophenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	4.82 ng	110539	Napthalene-d8	8.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2		Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	83
2			Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	50
3			Acetic acid, chloro-, methyl ester	108	C3H5ClO2	000096-34-4	9
4			Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	9
5			.alpha.-(Methylthio)acetamide	105	C3H7NOS	022551-24-2	7



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102617\
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Operator : SJ/JU
Sample : I6112-01
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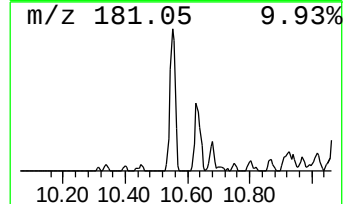
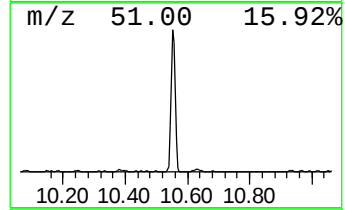
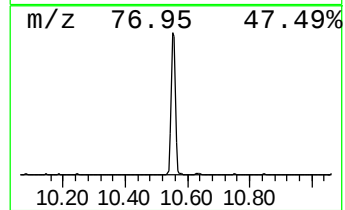
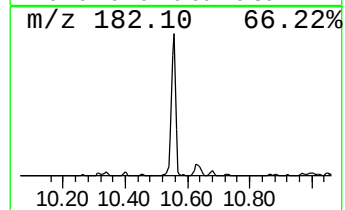
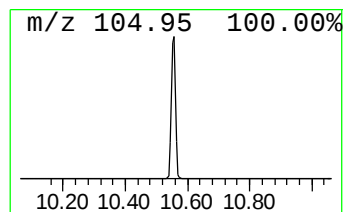
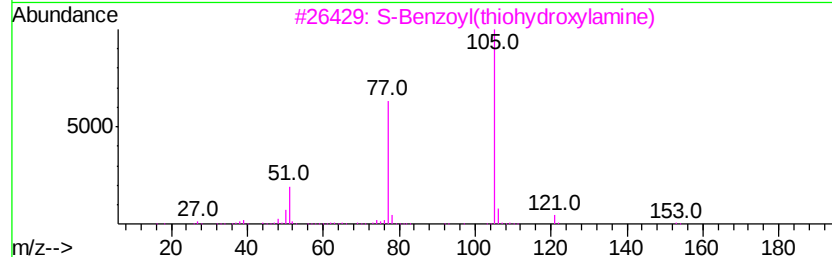
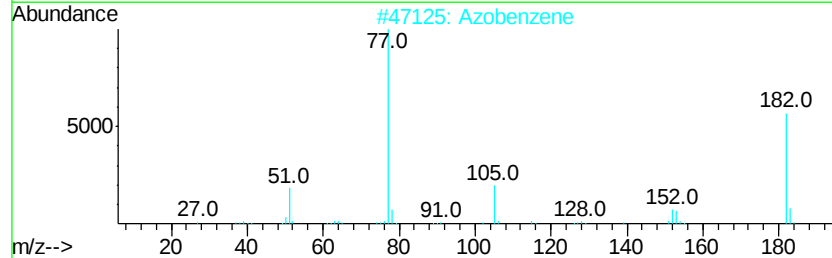
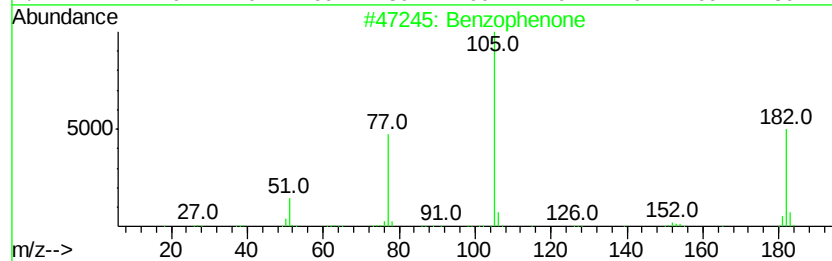
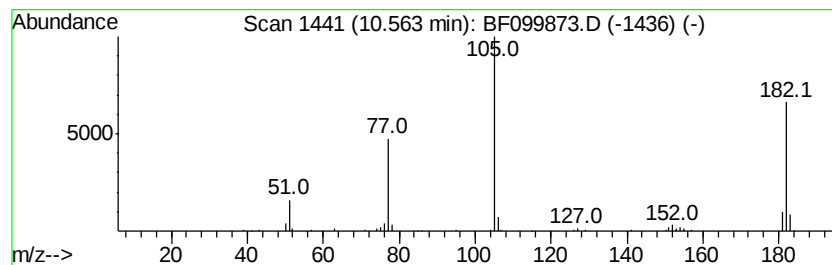
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ClientSampleId :
1-MARION26KV-(2-3)

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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 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.56	22.14 ng	548624	Acenaphthene-d10		9.84	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	97
2		Azobenzene	182	C12H10N2	000103-33-3	59
3		S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	43
4		Vinyl benzoate	148	C9H8O2	000769-78-8	43
5		Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
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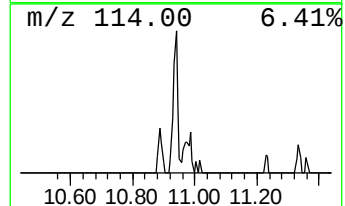
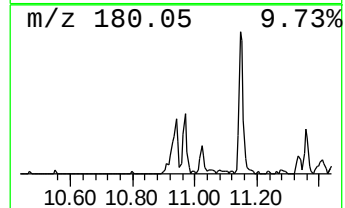
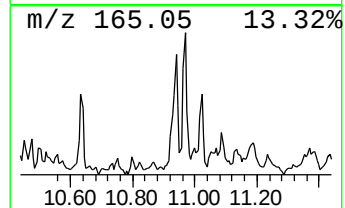
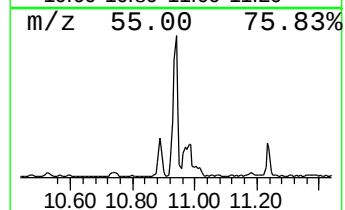
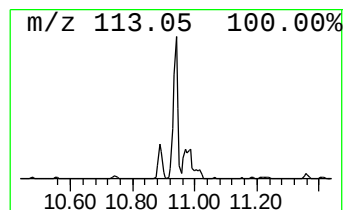
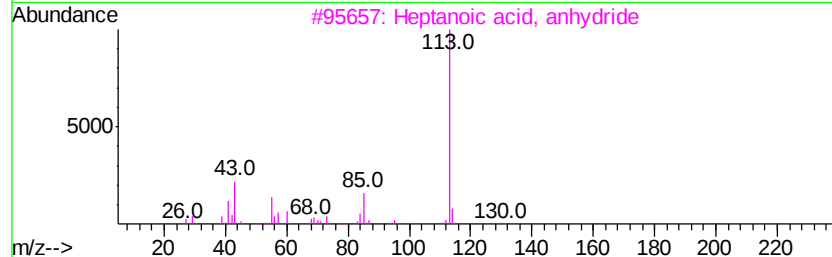
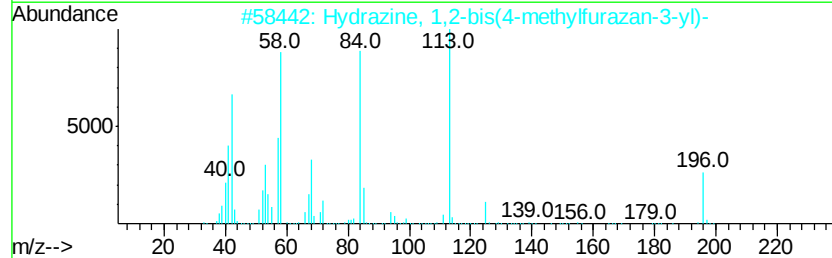
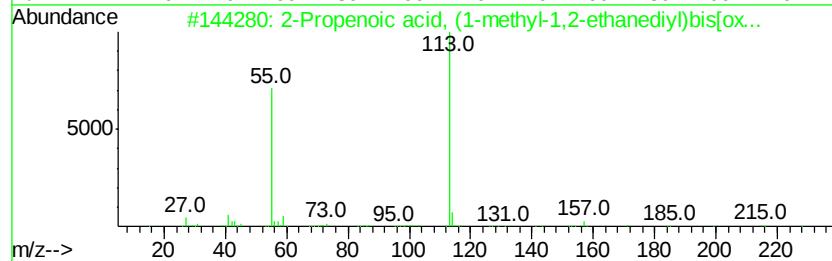
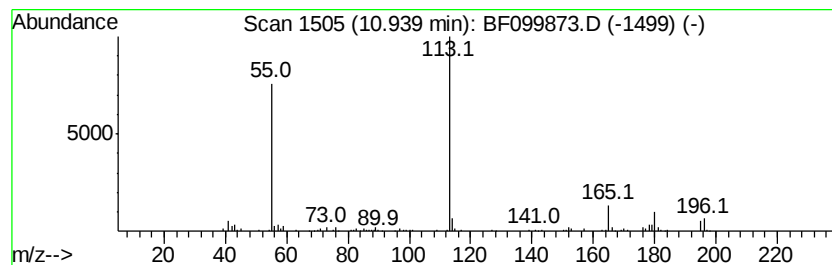
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2-Propenoic acid, (1-methyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	7.98 ng	222476	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Propenoic acid, (1-methyl-1,2-...	300	C15H24O6	042978-66-5	53
2		Hydrazine, 1,2-bis(4-methylfuraz...	196	C6H8N6O2	340996-13-6	47
3		Heptanoic acid, anhydride	242	C14H26O3	000626-27-7	10
4		1,5-Diazacyclodecan-2,6-dione	170	C8H14N2O2	1000298-91-2	9
5		Caprolactam	113	C6H11NO	000105-60-2	9



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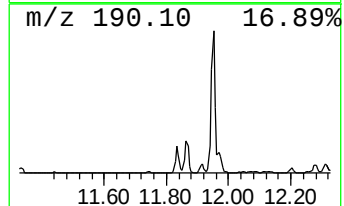
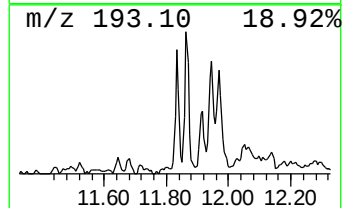
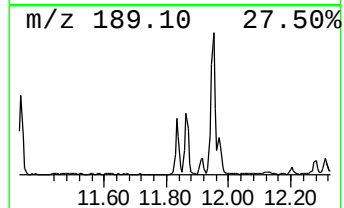
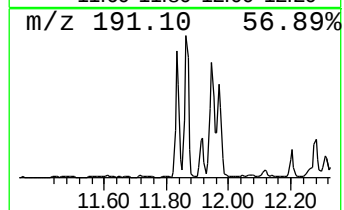
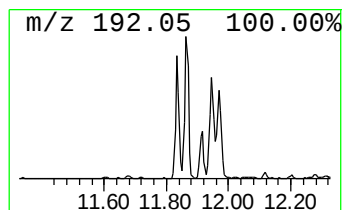
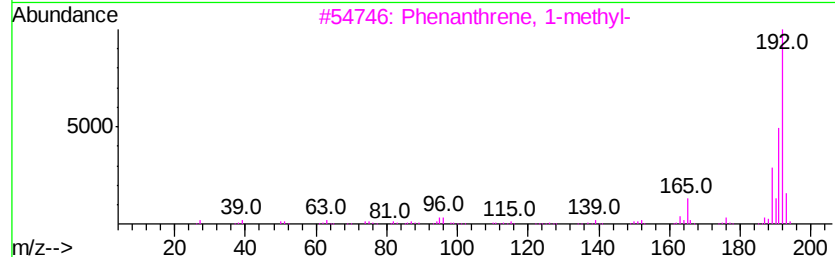
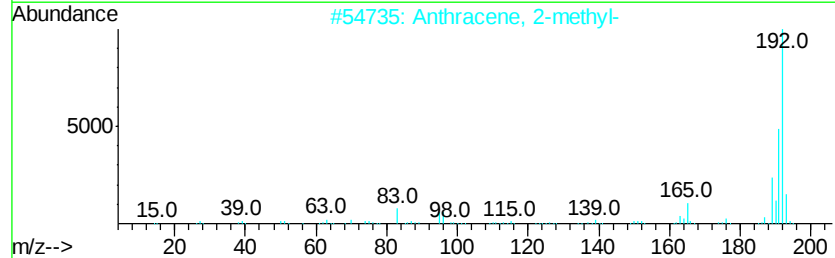
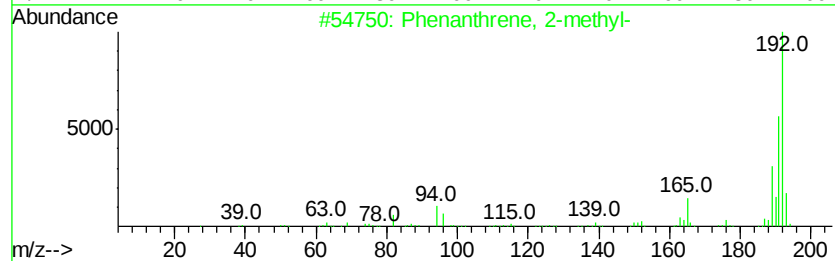
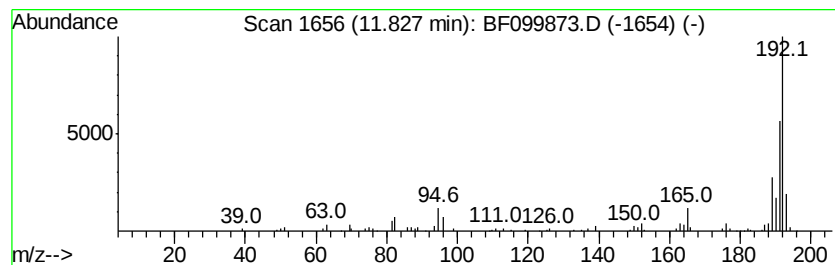
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	8.43 ng	235149	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
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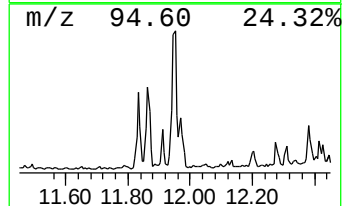
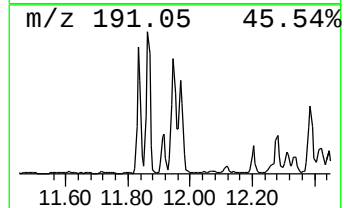
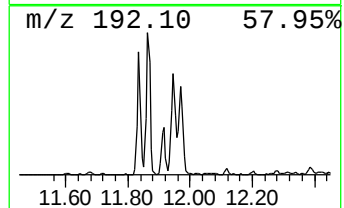
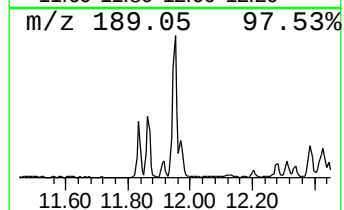
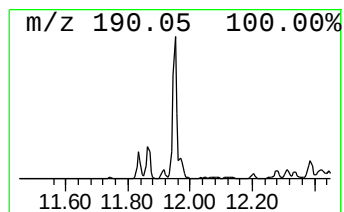
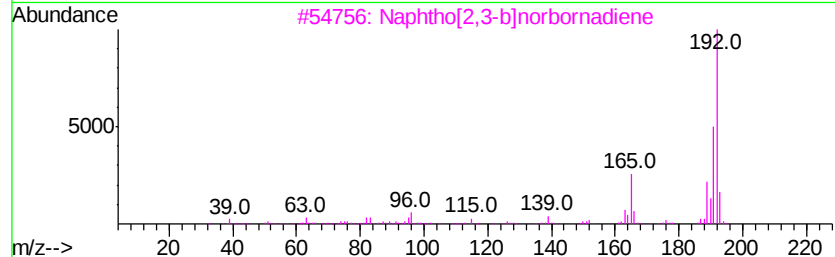
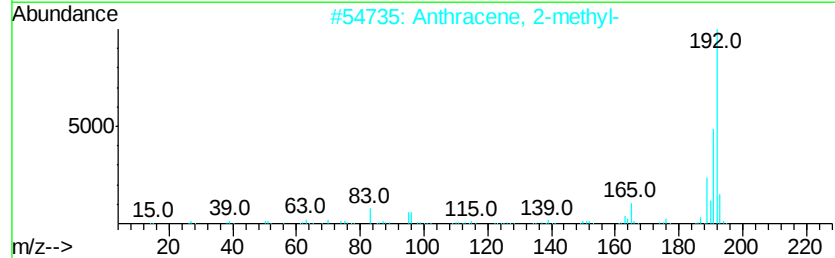
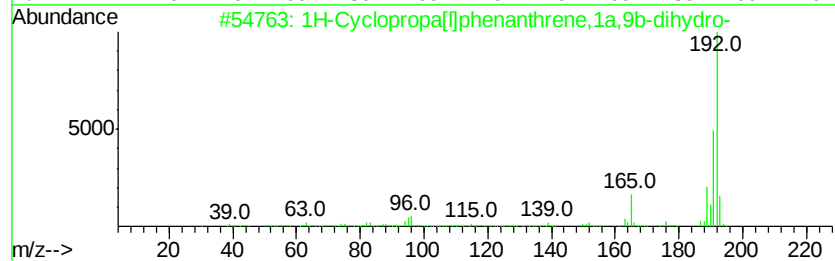
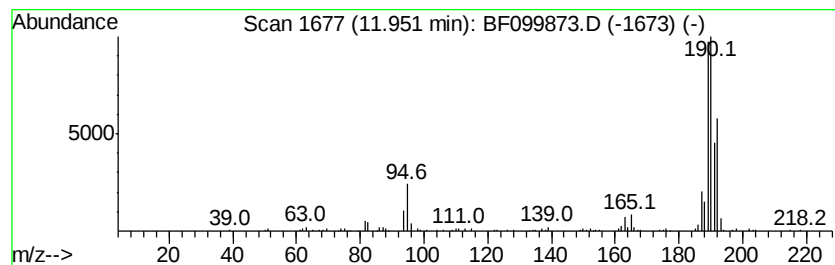
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	15.34 ng	427892	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	50
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
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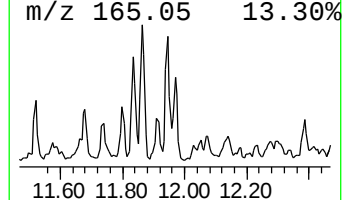
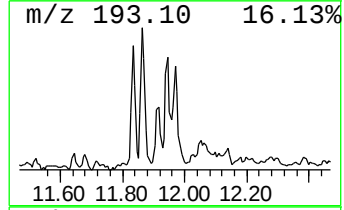
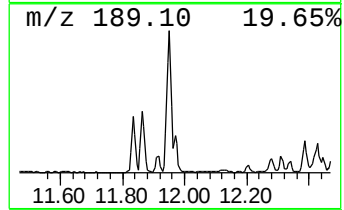
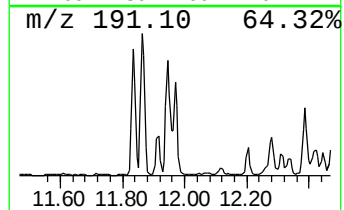
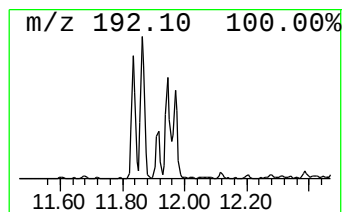
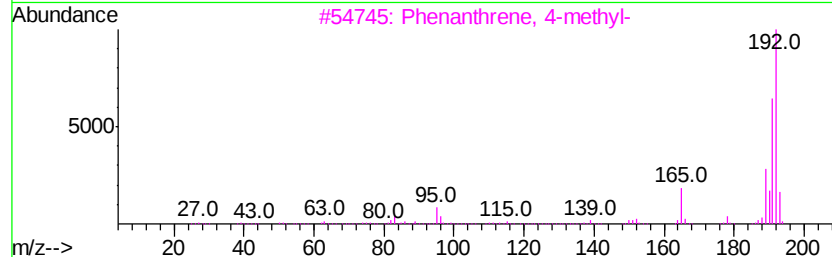
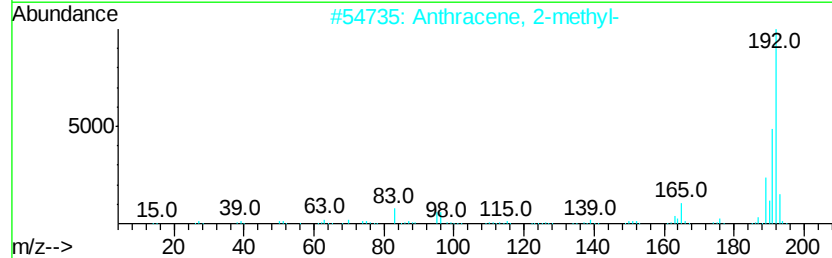
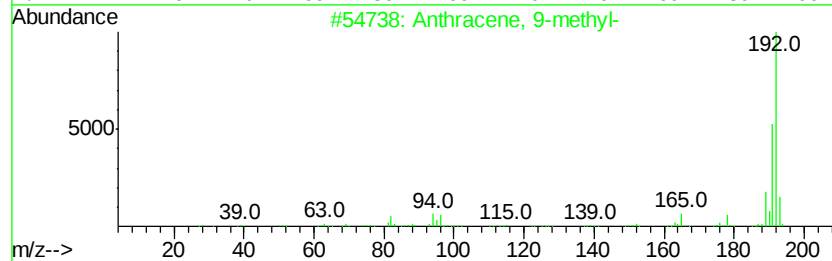
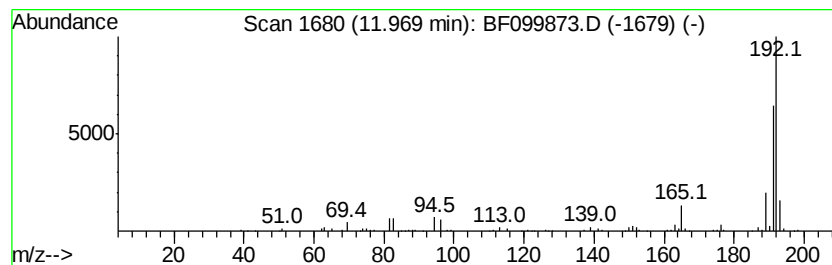
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.63 ng	156892	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



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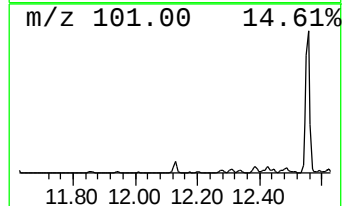
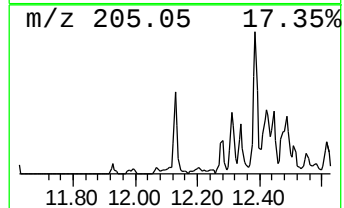
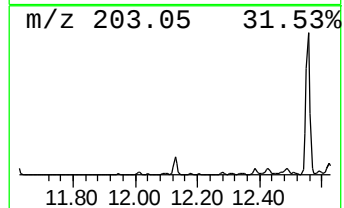
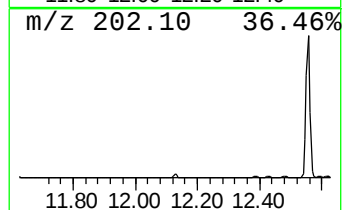
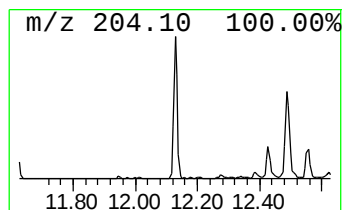
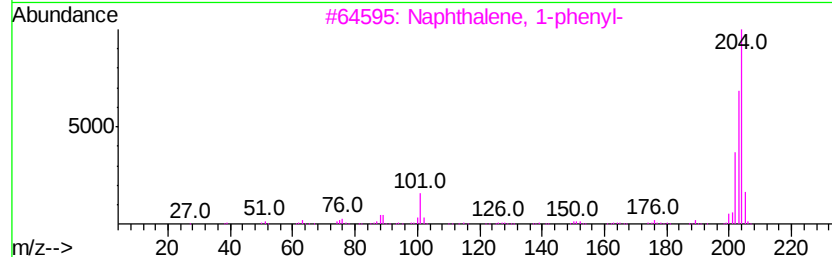
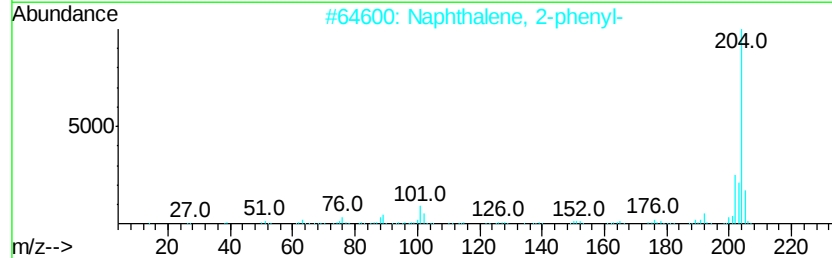
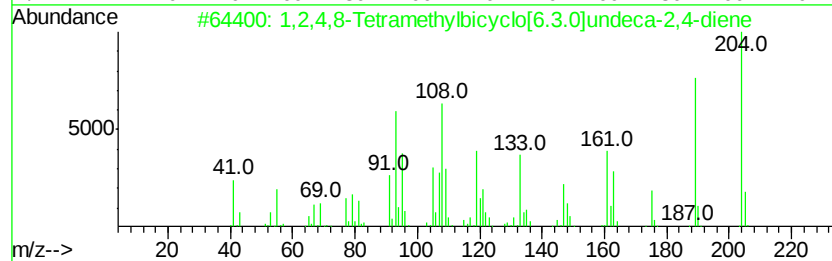
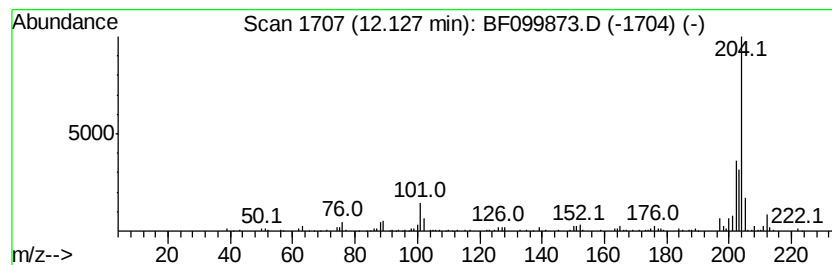
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.67 ng	185875	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	90		
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90		
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83		
4	Benzene, 1,1'-(1-buten-3-yne-1,4-diyl)-	204	C16H12	013141-45-2	58		
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
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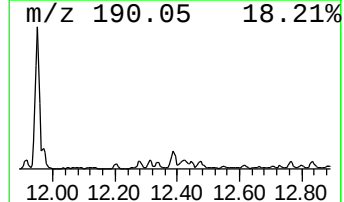
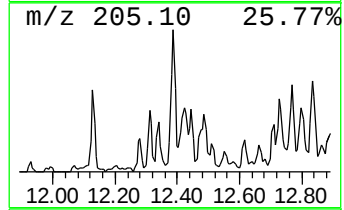
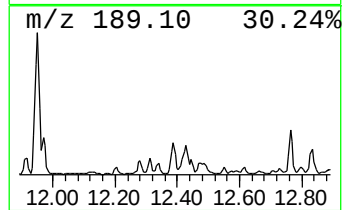
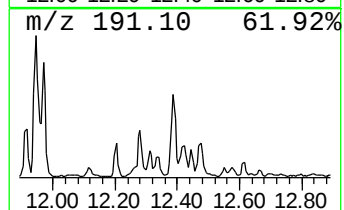
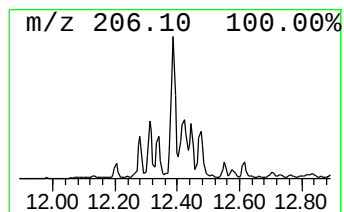
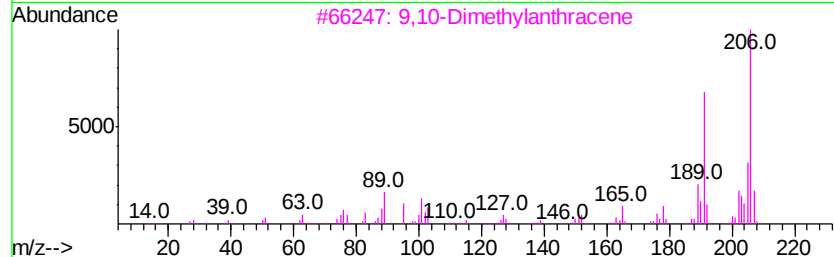
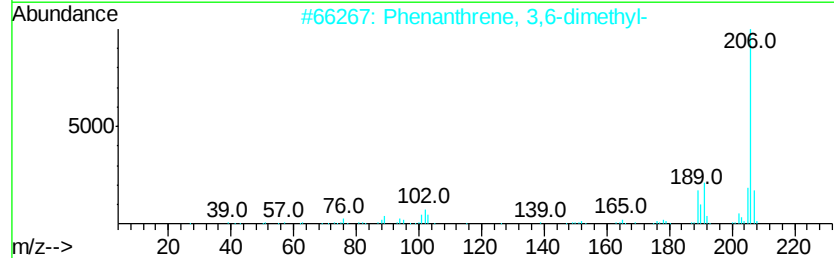
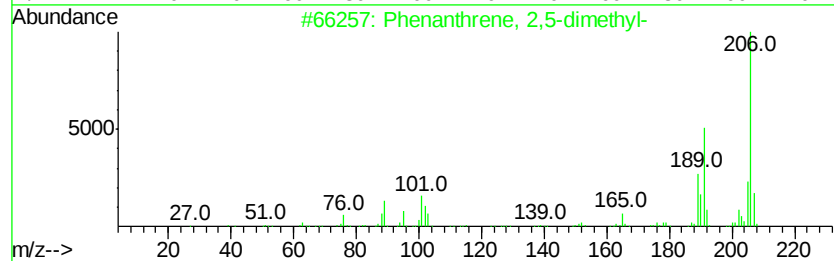
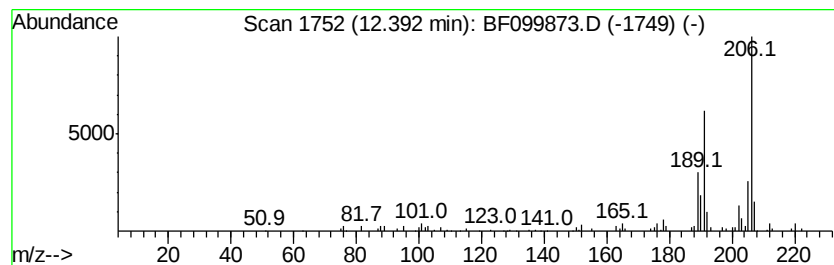
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	7.03 ng	196090	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
Data File : BF099873.D
Acq On : 26 Oct 2017 21:11
Operator : SJ/JU
Sample : I6112-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1-MARION26KV-(2-3)

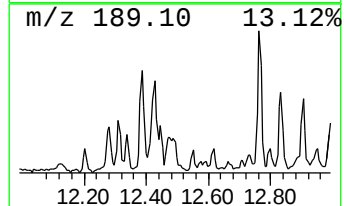
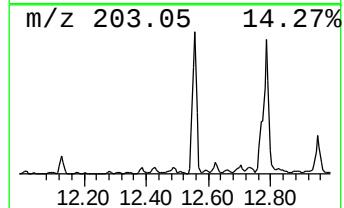
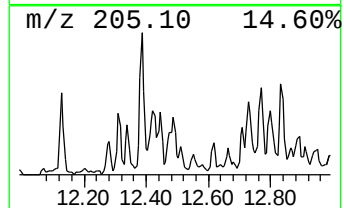
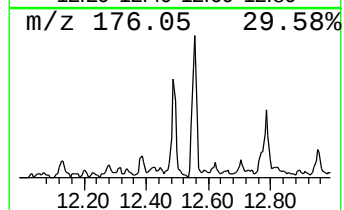
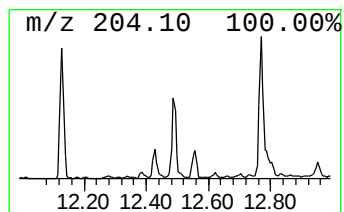
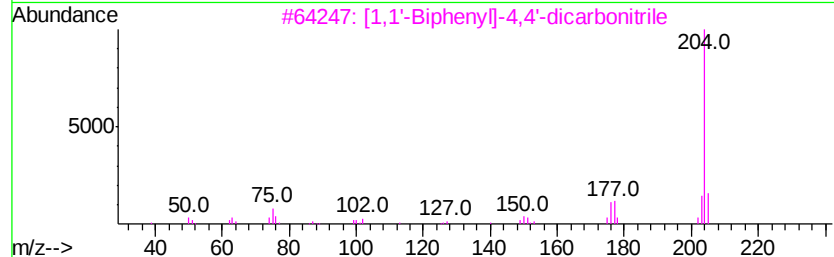
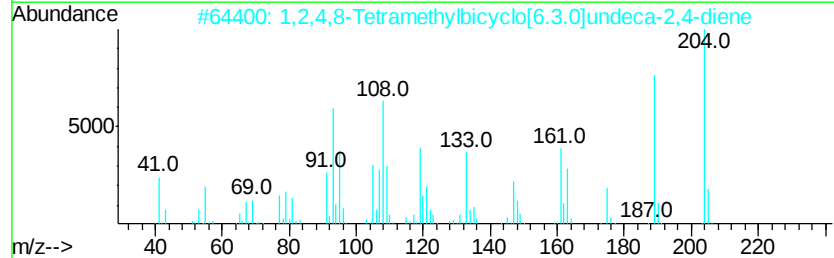
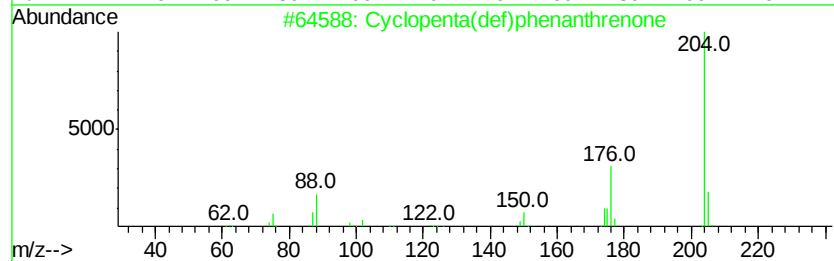
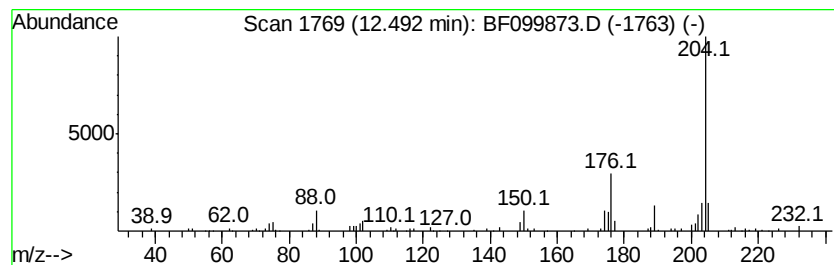
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.77 ng	160951	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4		6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	58
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
Data File : BF099873.D
Acq On : 26 Oct 2017 21:11
Operator : SJ/JU
Sample : I6112-01
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Instrument :
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ClientSampleId :
1-MARION26KV-(2-3)

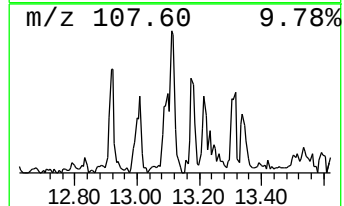
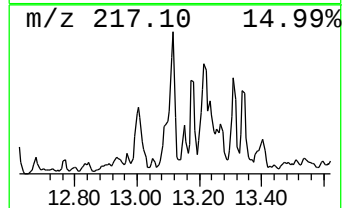
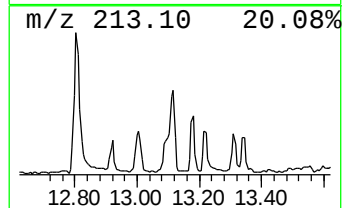
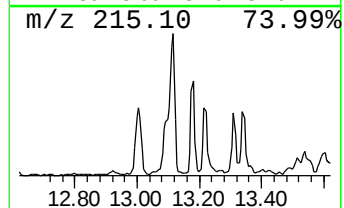
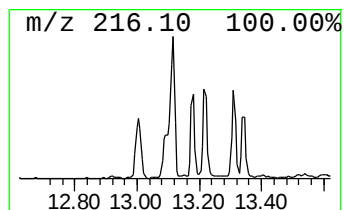
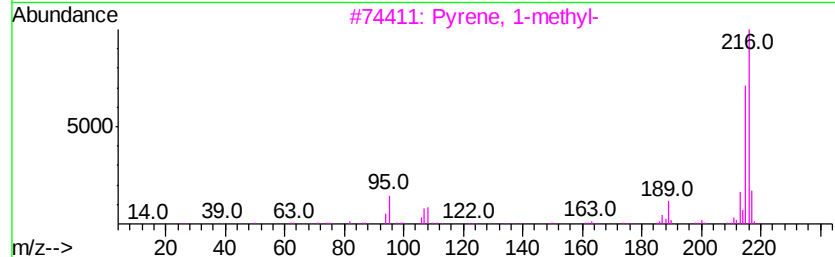
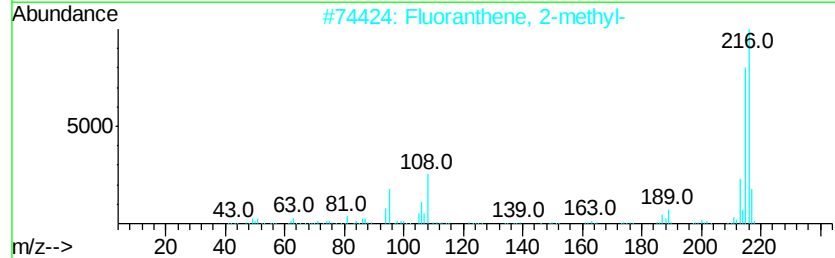
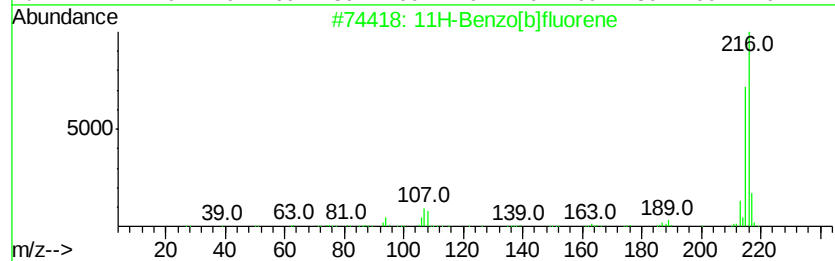
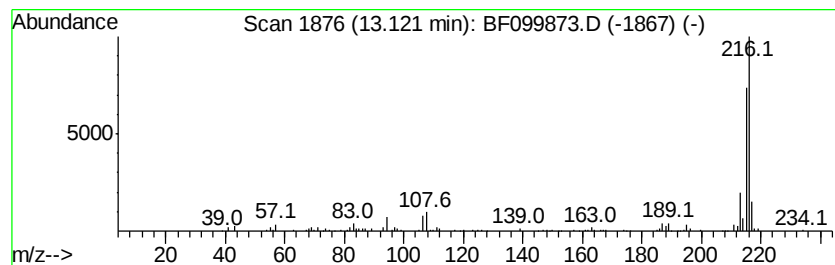
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	5.29 ng	465320	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	94
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
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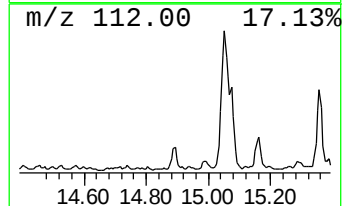
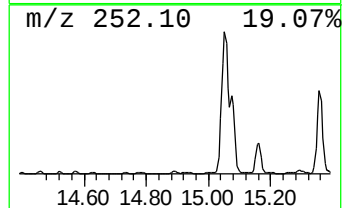
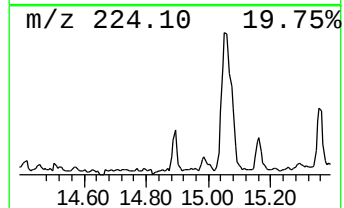
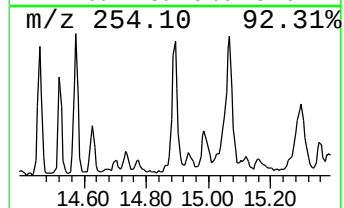
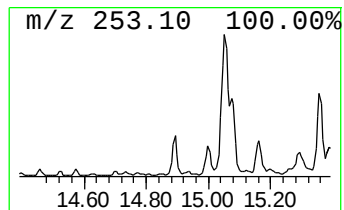
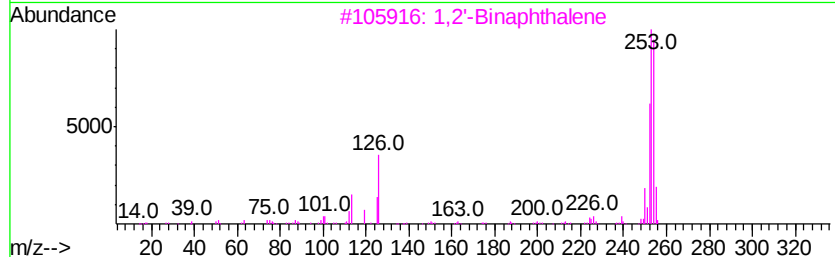
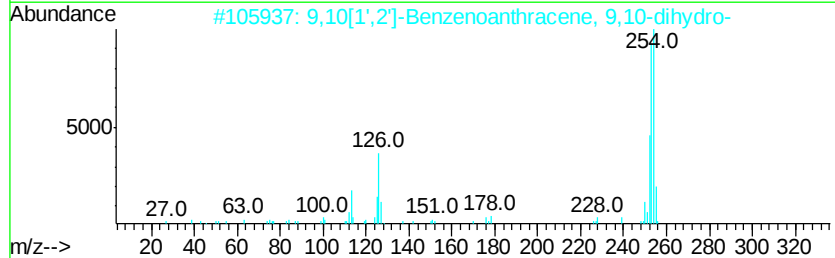
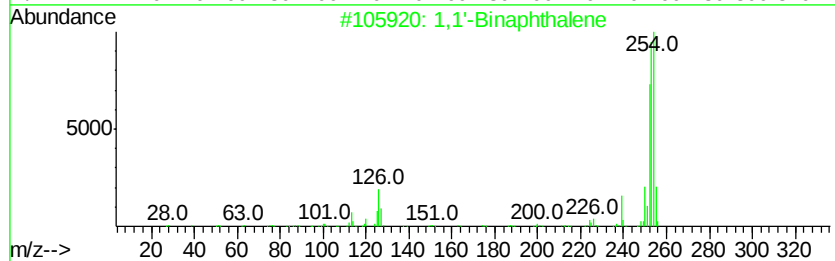
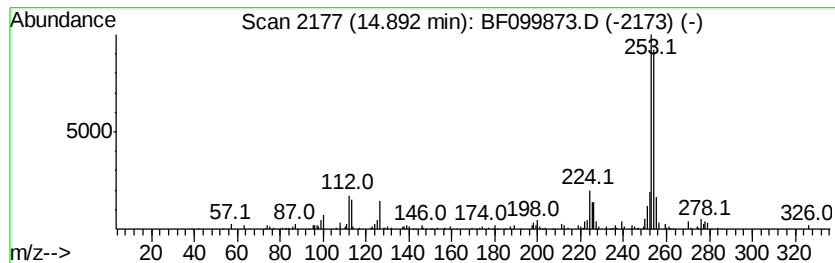
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,1'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.89	5.00 ng	117645	Perylene-d12	15.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	76
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	76
4	1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	68
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
Data File : BF099873.D
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Operator : SJ/JU
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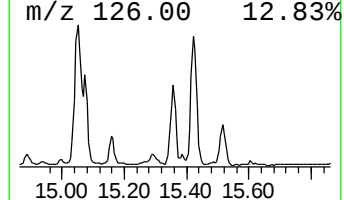
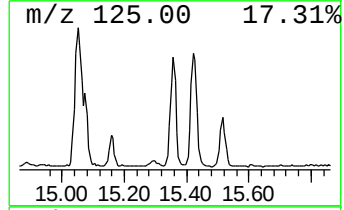
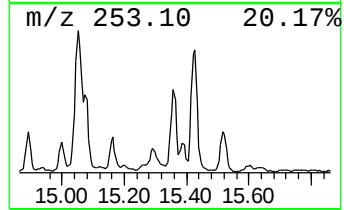
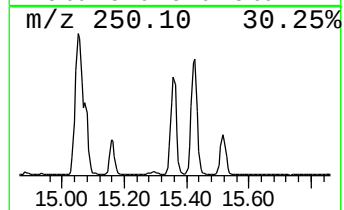
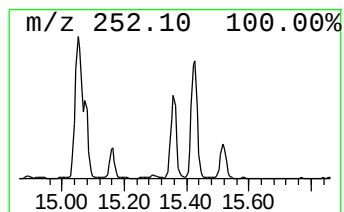
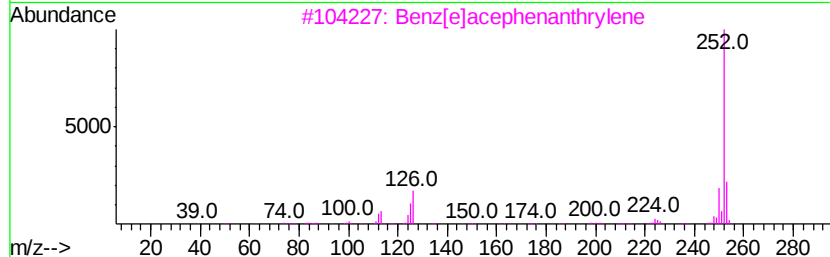
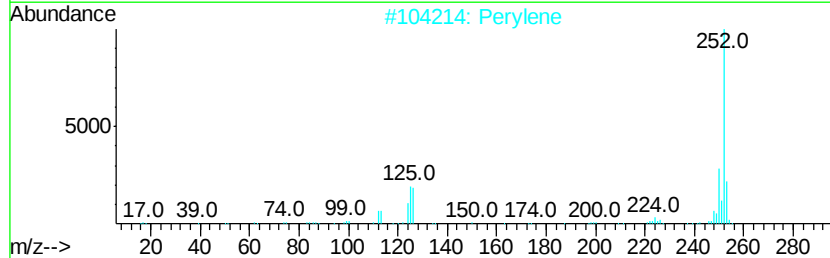
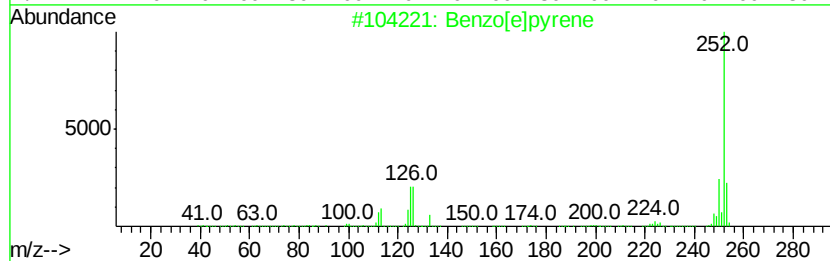
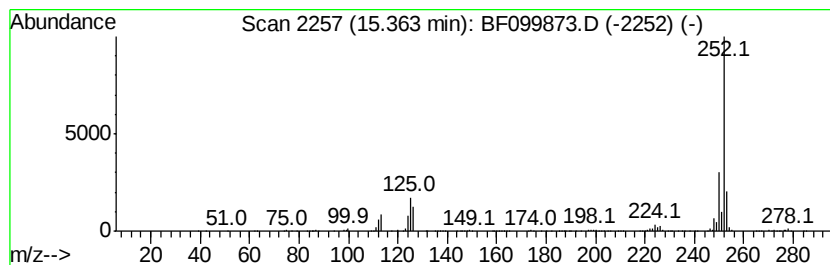
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	27.61 ng	649366	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	99
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
4		Benzo[a]pyrene	252	C20H12	000050-32-8	96
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102617\
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Operator : SJ/JU
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ClientSampleId :
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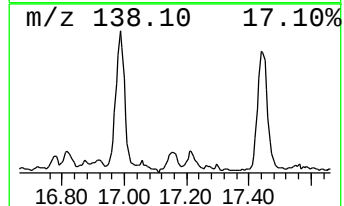
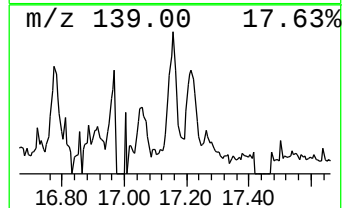
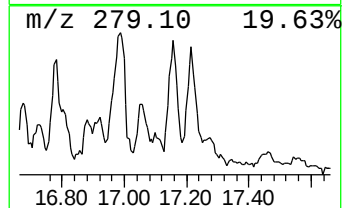
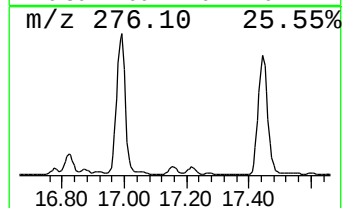
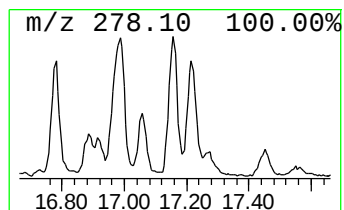
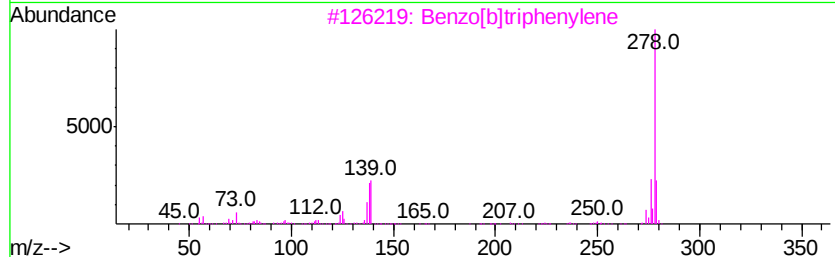
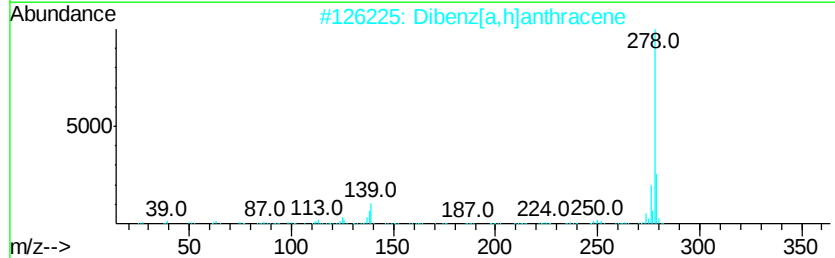
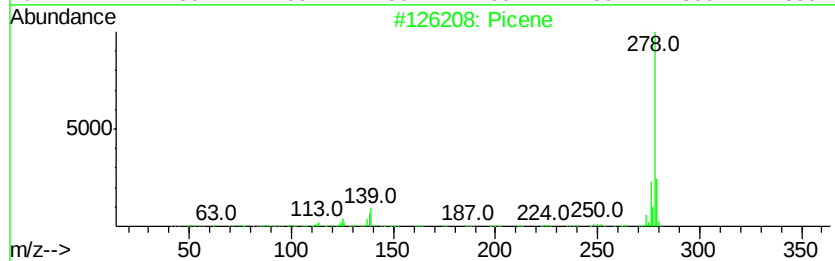
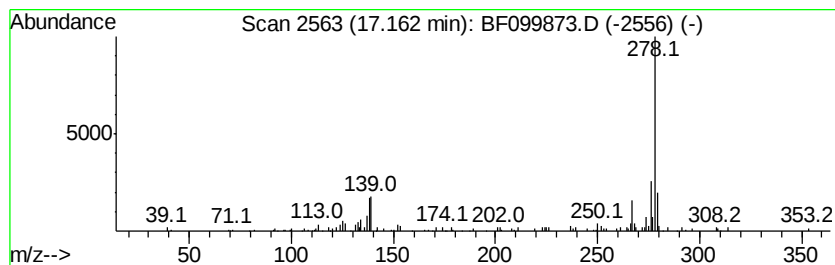
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	6.22 ng	146370	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	97
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	95
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	93



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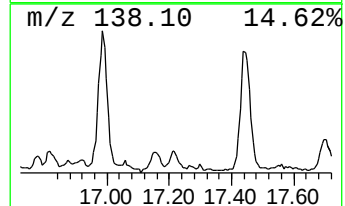
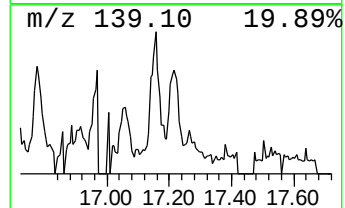
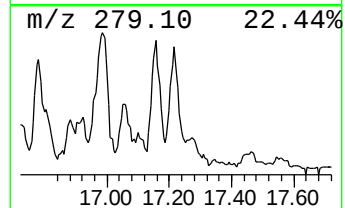
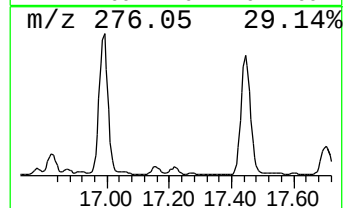
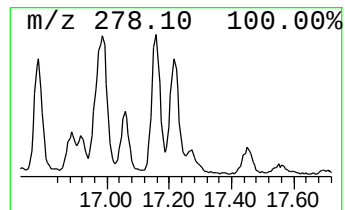
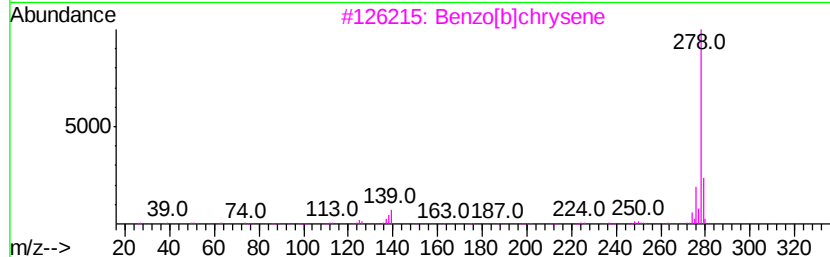
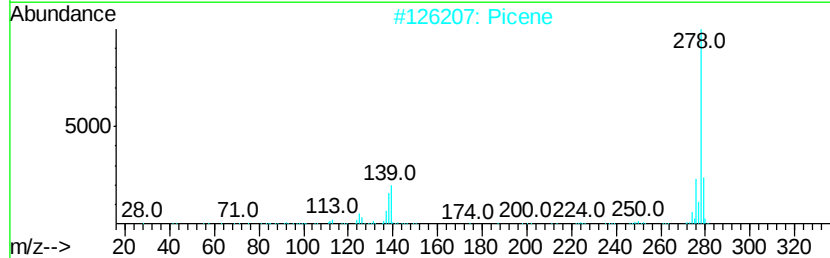
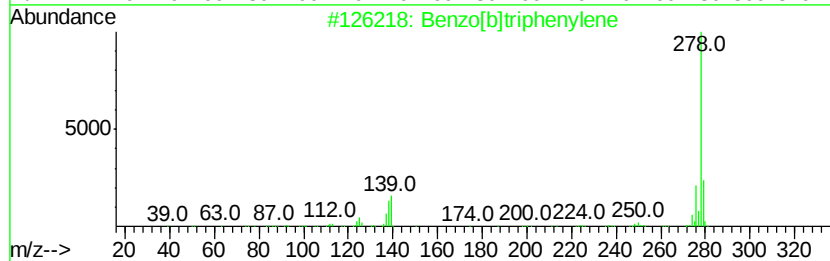
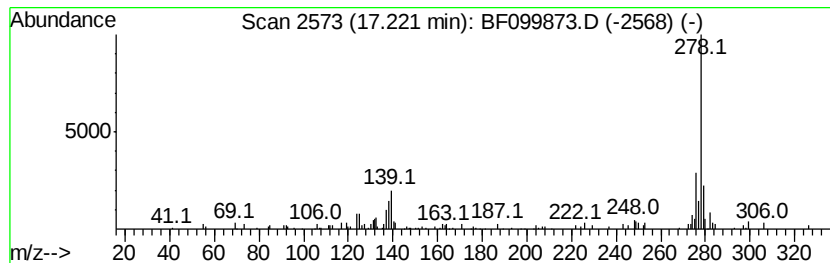
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	5.14 ng	120912	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2			Picene	278	C22H14	000213-46-7	91
3			Benzo[b]chrysene	278	C22H14	000214-17-5	90
4			Pvrene, 1-phenyl-	278	C22H14	005101-27-9	86
5			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76



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 ALS Vial : 19 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown5.00	5.00	10.7	ng	181993	1	6.79	340677	20.0
unknown6.57	6.57	70.1	ng	1193930	1	6.79	340677	20.0
2-Hydroxy-iso-but...	8.64	4.8	ng	110539	2	8.07	458684	20.0
Benzophenone	10.56	22.1	ng	548624	3	9.84	495596	20.0
2-Propenoic acid,...	10.94	8.0	ng	222476	4	11.33	557705	20.0
Phenanthrene, 2-m...	11.83	8.4	ng	235149	4	11.33	557705	20.0
1H-Cyclopropa[1]p...	11.95	15.3	ng	427892	4	11.33	557705	20.0
Anthracene, 9-met...	11.97	5.6	ng	156892	4	11.33	557705	20.0
1,2,4,8-Tetrameth...	12.13	6.7	ng	185875	4	11.33	557705	20.0
Phenanthrene, 2,5...	12.39	7.0	ng	196090	4	11.33	557705	20.0
Cyclopenta(def)ph...	12.49	5.8	ng	160951	4	11.33	557705	20.0
11H-Benzo[b]fluorene	13.12	5.3	ng	465320	5	13.99	1760490	20.0
1,1'-Binaphthalene	14.89	5.0	ng	117645	6	15.49	470408	20.0
Benzo[e]pyrene	15.36	27.6	ng	649366	6	15.49	470408	20.0
Picene	17.16	6.2	ng	146370	6	15.49	470408	20.0
Benzo[b]triphenylene	17.22	5.1	ng	120912	6	15.49	470408	20.0