

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101346.D
 Acq On : 12 Dec 2017 22:41
 Operator : SJ/JU
 Sample : I6822-14 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

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-BF113017.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	5.457	570	573	580	rBV2	4983	8119	1.34%	0.134%
2	6.598	765	767	774	rBB	11123	12304	2.04%	0.202%
3	6.822	802	805	817	rBV	258960	216526	35.84%	3.561%
4	6.981	829	832	838	rBB	8973	9481	1.57%	0.156%
5	8.104	1020	1023	1033	rBV	328591	272975	45.18%	4.490%
6	9.180	1203	1206	1211	rBB	10839	9840	1.63%	0.162%
7	9.863	1318	1322	1325	rBV	323301	268509	44.45%	4.416%
8	9.892	1325	1327	1331	rVB	33271	27708	4.59%	0.456%
9	11.351	1572	1575	1578	rBV	283535	273197	45.22%	4.493%
10	11.380	1578	1580	1583	rVV	100726	80339	13.30%	1.321%
11	11.427	1585	1588	1592	rVV	33751	31388	5.20%	0.516%
12	11.592	1610	1616	1620	rBV2	16217	17677	2.93%	0.291%
13	11.857	1657	1661	1663	rBV	13644	11857	1.96%	0.195%
14	11.886	1663	1666	1671	rVB	24997	20918	3.46%	0.344%
15	11.933	1671	1674	1677	rVB	14701	11376	1.88%	0.187%
16	11.968	1677	1680	1683	rBV2	25127	29658	4.91%	0.488%
17	12.445	1759	1761	1767	rVV2	6484	8868	1.47%	0.146%
18	12.574	1779	1783	1786	rBV	192740	178924	29.62%	2.943%
19	12.721	1805	1808	1810	rBV2	8618	8116	1.34%	0.133%
20	12.786	1815	1819	1820	rVV2	94093	92448	15.30%	1.520%
21	12.804	1820	1822	1828	rVV	197865	186112	30.81%	3.061%
22	12.851	1828	1830	1836	rVV5	17470	20391	3.38%	0.335%
23	12.921	1838	1842	1847	rVB2	16830	24927	4.13%	0.410%
24	12.963	1847	1849	1854	rVB	20674	19285	3.19%	0.317%
25	13.021	1854	1859	1863	rBV2	18815	33081	5.48%	0.544%
26	13.104	1870	1873	1874	rBV2	15619	15767	2.61%	0.259%
27	13.133	1874	1878	1881	rVB	53590	58127	9.62%	0.956%
28	13.198	1885	1889	1891	rVV	61379	50292	8.32%	0.827%
29	13.233	1891	1895	1898	rVV3	31318	43561	7.21%	0.716%
30	13.257	1898	1899	1902	rVV2	14787	13254	2.19%	0.218%
31	13.292	1902	1905	1908	rVV3	10358	12230	2.02%	0.201%
32	13.327	1908	1911	1914	rVB	16800	15706	2.60%	0.258%
33	13.362	1914	1917	1919	rBV2	14934	15929	2.64%	0.262%
34	13.480	1933	1937	1940	rBV	28011	26479	4.38%	0.435%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.533	1940	1946	1947	rBV3	10492	11243	1.86%	0.185%
36	13.551	1947	1949	1952	rVB	15821	14864	2.46%	0.244%
37	13.610	1956	1959	1963	rBV4	15226	20826	3.45%	0.343%
38	13.645	1963	1965	1969	rBV3	11446	11759	1.95%	0.193%
39	13.704	1972	1975	1979	rVB3	11134	9817	1.62%	0.161%
40	13.751	1979	1983	1985	rBV	23752	26233	4.34%	0.431%
41	13.780	1985	1988	1990	rVB	31537	28611	4.74%	0.471%
42	13.810	1990	1993	1994	rBV	19276	22733	3.76%	0.374%
43	13.921	2008	2012	2018	rBV3	12123	19803	3.28%	0.326%
44	14.004	2018	2026	2029	rBV2	436289	604132	100.00%	9.936%
45	14.033	2029	2031	2033	rVV	195538	156130	25.84%	2.568%
46	14.051	2033	2034	2038	rVB3	13985	10759	1.78%	0.177%
47	14.092	2038	2041	2042	rBV3	9175	11048	1.83%	0.182%
48	14.109	2042	2044	2047	rVV	86024	74412	12.32%	1.224%
49	14.157	2049	2052	2054	rVV3	12913	16747	2.77%	0.275%
50	14.204	2057	2060	2061	rVV	30736	29842	4.94%	0.491%
51	14.233	2061	2065	2068	rVV3	41290	49729	8.23%	0.818%
52	14.262	2068	2070	2073	rVB4	8960	9826	1.63%	0.162%
53	14.327	2076	2081	2082	rBV3	13260	14836	2.46%	0.244%
54	14.357	2082	2086	2088	rBV	39512	41209	6.82%	0.678%
55	14.392	2088	2092	2095	rVV	72272	75031	12.42%	1.234%
56	14.427	2095	2098	2101	rVB2	32331	32457	5.37%	0.534%
57	14.468	2101	2105	2106	rBV3	19894	21217	3.51%	0.349%
58	14.492	2106	2109	2111	rVV	37096	37020	6.13%	0.609%
59	14.515	2111	2113	2115	rVV	36555	36394	6.02%	0.599%
60	14.539	2115	2117	2121	rVV2	53519	60012	9.93%	0.987%
61	14.586	2123	2125	2127	rVV3	23604	21179	3.51%	0.348%
62	14.639	2131	2134	2143	rVB8	22347	43358	7.18%	0.713%
63	14.715	2143	2147	2149	rBV3	20457	26321	4.36%	0.433%
64	14.815	2162	2164	2168	rVB5	12507	13371	2.21%	0.220%
65	14.862	2168	2172	2174	rBV5	8225	12189	2.02%	0.200%
66	14.892	2174	2177	2180	rBV2	26582	26015	4.31%	0.428%
67	14.945	2184	2186	2191	rBV5	10971	13376	2.21%	0.220%
68	14.998	2193	2195	2198	rVB	11799	10150	1.68%	0.167%
69	15.056	2200	2205	2207	rBV	212921	318886	52.78%	5.245%
70	15.162	2219	2223	2226	rVB	67605	70093	11.60%	1.153%
71	15.204	2228	2230	2233	rVB4	11657	13222	2.19%	0.217%

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72	15.245	2234	2237	2239	rBV3	21709	25998	4.30%	0.428%
73	15.298	2242	2246	2250	rBV4	21157	36089	5.97%	0.594%
74	15.356	2252	2256	2262	rVB	141719	187104	30.97%	3.077%
75	15.421	2263	2267	2272	rBV	240766	289172	47.87%	4.756%
76	15.486	2273	2278	2281	rBV	179049	221604	36.68%	3.645%
77	15.515	2281	2283	2289	rVB2	72815	102840	17.02%	1.691%
78	15.586	2293	2295	2298	rVB3	11044	8540	1.41%	0.140%
79	15.656	2302	2307	2309	rBV3	26416	41074	6.80%	0.676%
80	15.686	2310	2312	2313	rBV2	17485	12354	2.04%	0.203%
81	15.845	2336	2339	2344	rVB4	21918	37162	6.15%	0.611%
82	15.927	2349	2353	2356	rVV3	12742	19705	3.26%	0.324%
83	15.962	2356	2359	2363	rVB3	12057	14639	2.42%	0.241%
84	16.051	2370	2374	2378	rVB2	21492	25259	4.18%	0.415%
85	16.203	2396	2400	2401	rBV4	8096	10706	1.77%	0.176%
86	16.386	2425	2431	2437	rVB8	13820	28782	4.76%	0.473%
87	16.462	2440	2444	2447	rBV6	7025	11863	1.96%	0.195%
88	16.498	2447	2450	2456	rBV8	9354	15431	2.55%	0.254%
89	16.762	2489	2495	2498	rBV3	18586	37711	6.24%	0.620%
90	16.974	2523	2531	2536	rVB	130295	246551	40.81%	4.055%
91	17.139	2553	2559	2565	rBV2	36999	81152	13.43%	1.335%
92	17.198	2565	2569	2575	rBV4	27116	51245	8.48%	0.843%
93	17.427	2601	2608	2617	rVB	84396	182724	30.25%	3.005%
94	17.574	2629	2633	2640	rVB7	23534	48593	8.04%	0.799%
95	17.674	2643	2650	2662	rVB3	40575	115270	19.08%	1.896%
96	17.786	2664	2669	2675	rBV6	11476	26383	4.37%	0.434%
97	18.103	2721	2723	2725	rBV3	8555	8128	1.35%	0.134%
98	18.197	2734	2739	2744	rVB5	8864	20430	3.38%	0.336%
99	18.345	2760	2764	2767	rBV5	8775	17436	2.89%	0.287%
100	18.592	2802	2806	2811	rBV7	9347	15984	2.65%	0.263%

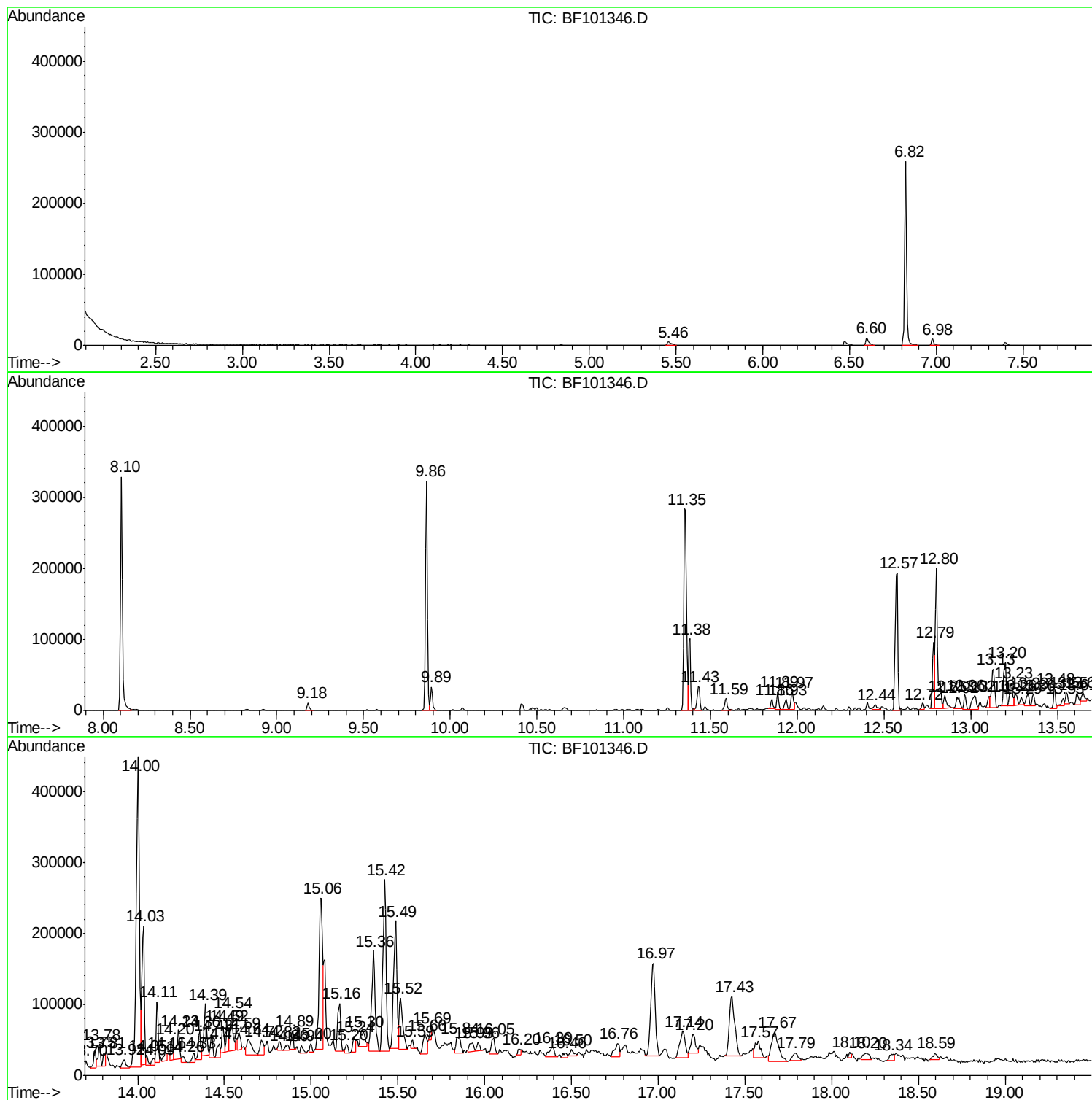
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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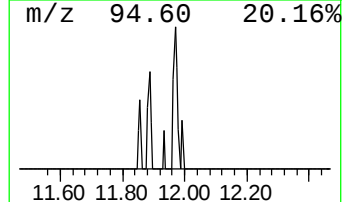
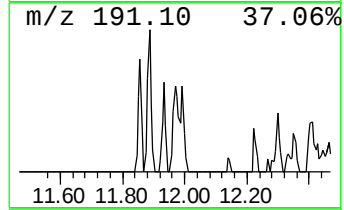
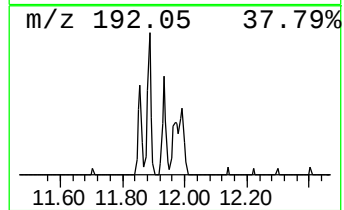
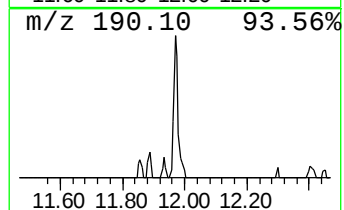
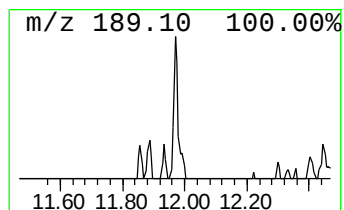
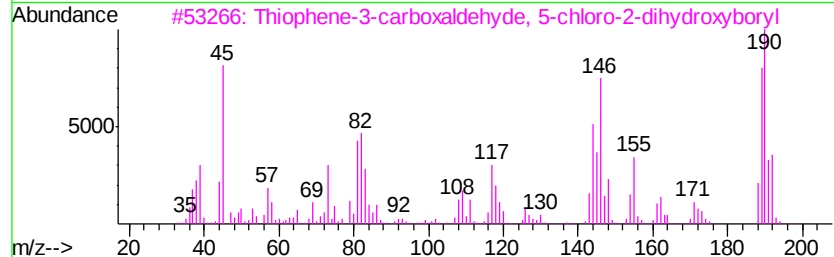
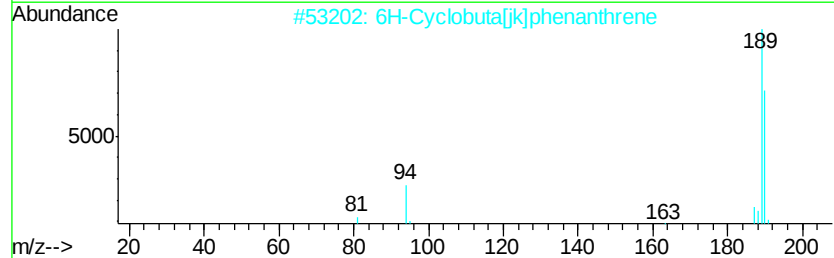
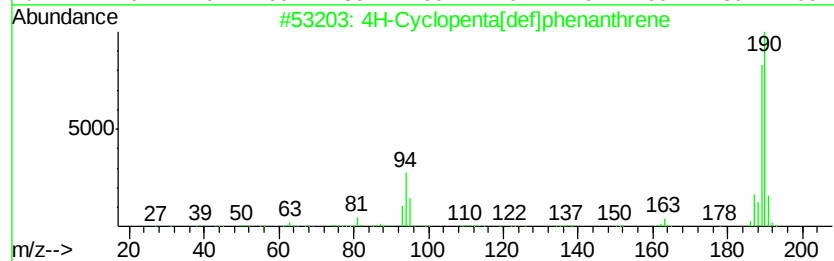
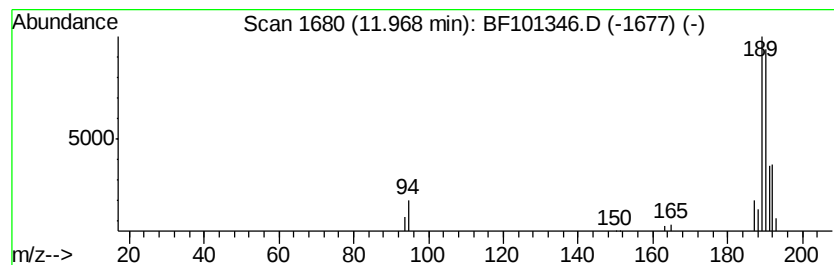
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.97	2.17 ng	29658	Phenanthrene-d10		11.35
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2-Chloro-1-(2-propynyl)-1H-benzi...	190	C10H7ClN2	080276-19-3	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



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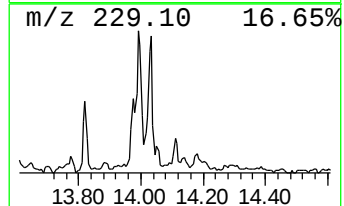
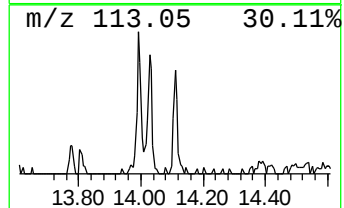
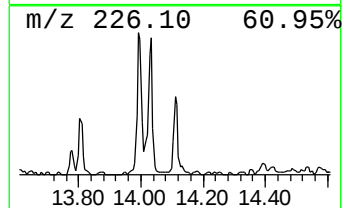
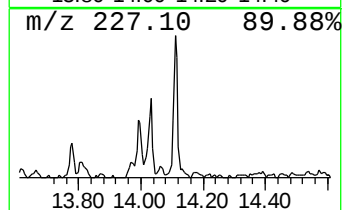
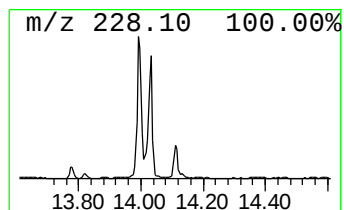
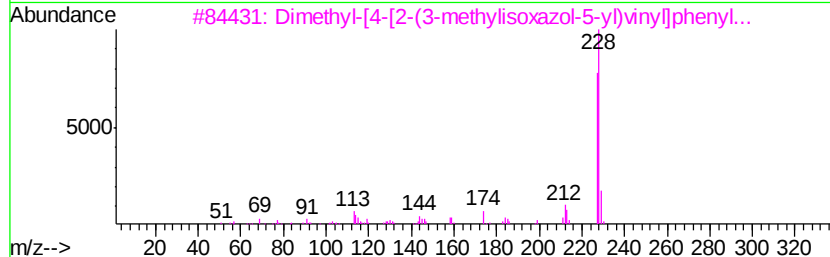
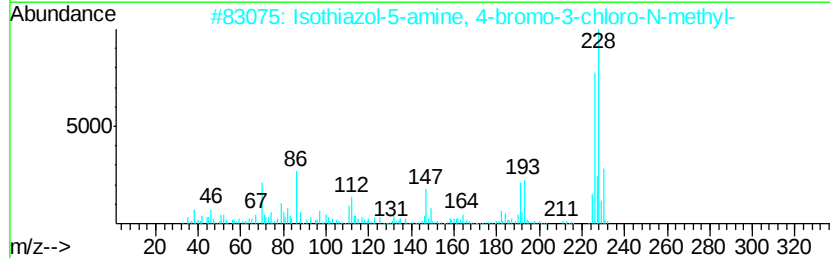
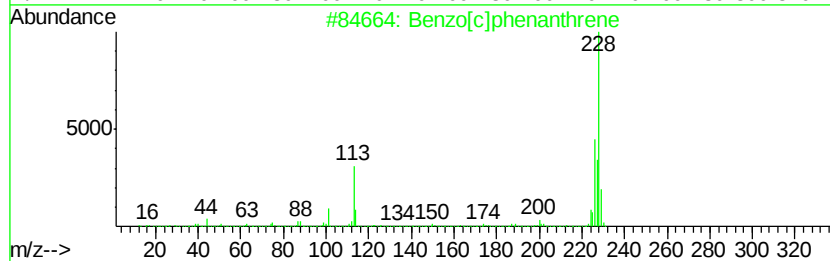
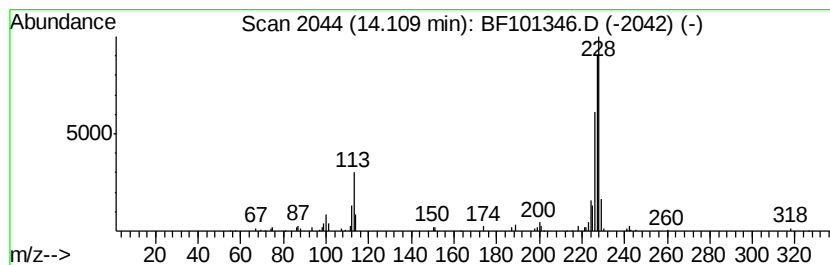
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzo[c]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	2.46 ng	74412	Chrysene-d12	14.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
2		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
3		Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4		Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
5		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	38



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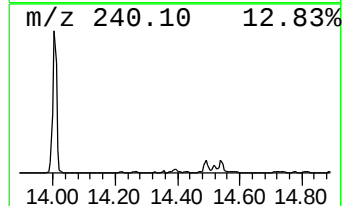
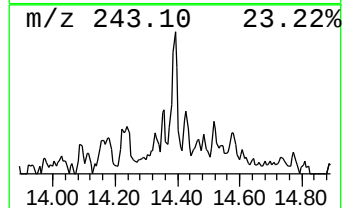
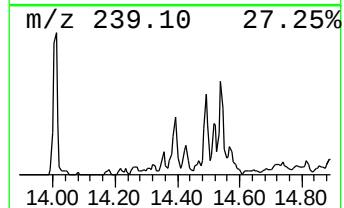
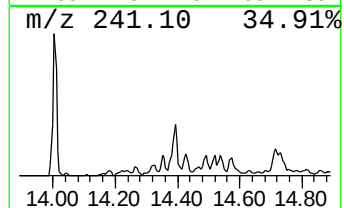
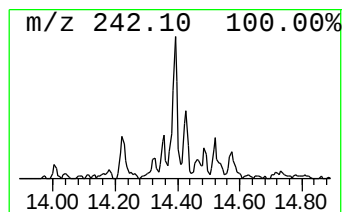
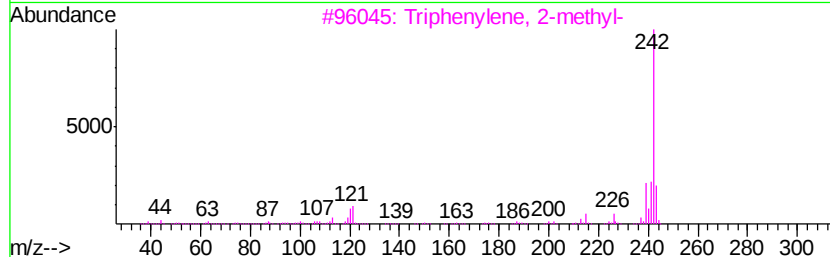
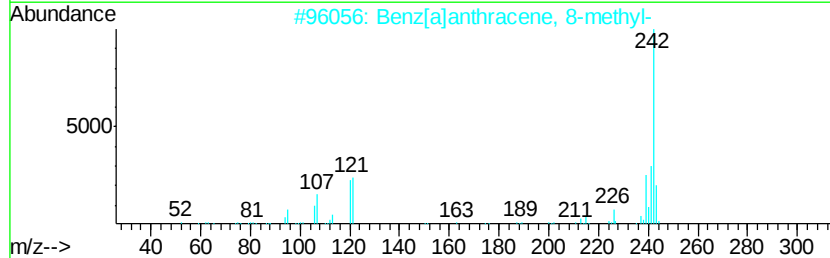
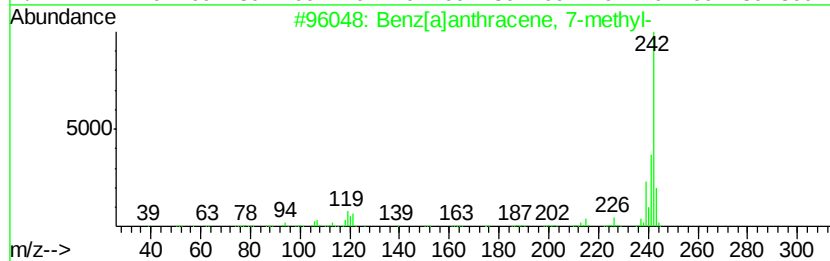
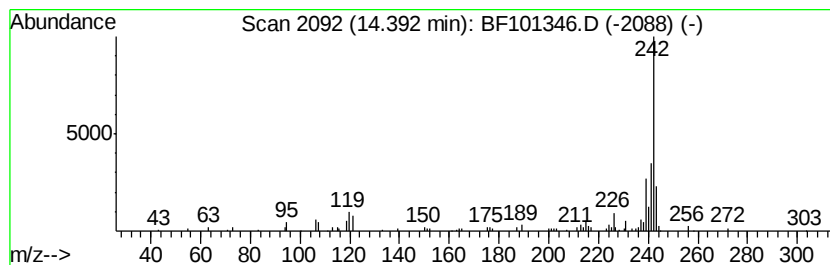
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Benz[a]anthracene, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	2.48 ng	75031	Chrysene-d12	14.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benz[a]anthracene, 7-methyl-	242 C19H14	002541-69-7 97
2		Benz[a]anthracene, 8-methyl-	242 C19H14	002381-31-9 94
3		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 93
4		Chrysene, 1-methyl-	242 C19H14	003351-28-8 92
5		1H-Benz[f]indene, 2-phenyl-	242 C19H14	1000305-22-4 90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
Sample : I6822-14 50X
Misc :
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ClientSampleId :
SB-6(13-15)

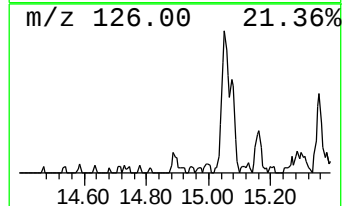
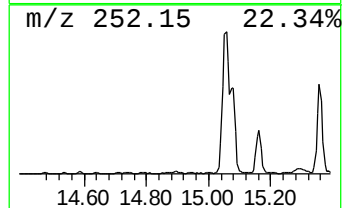
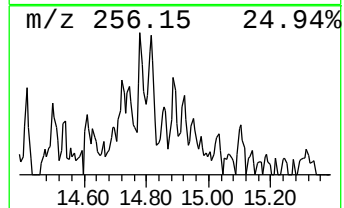
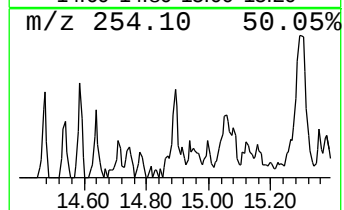
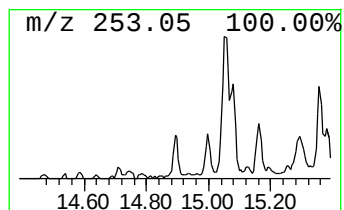
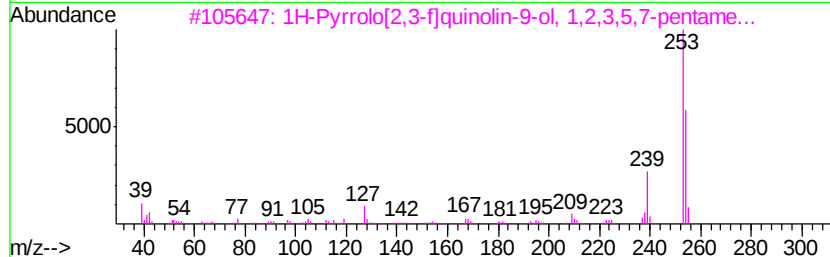
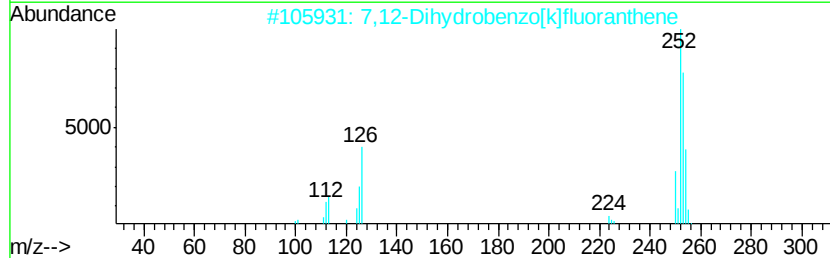
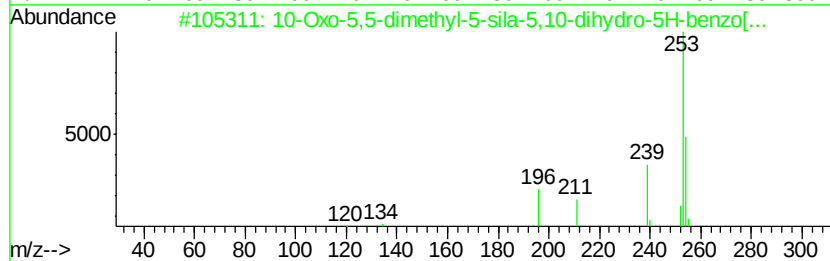
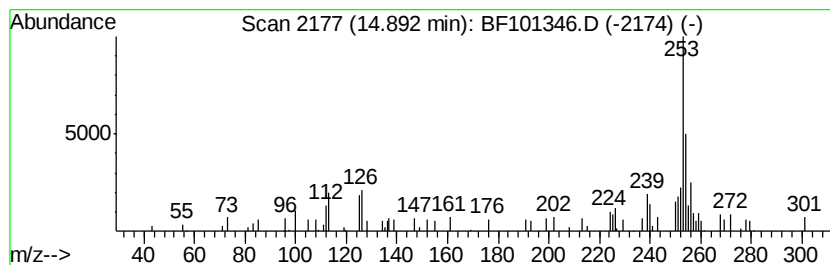
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 10-Oxo-5,5-dimethyl-5-sila-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.35 ng	26015	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	50
2		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	49
3		1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	47
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	47
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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ClientSampleId :
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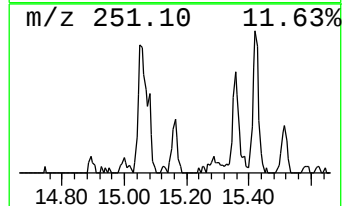
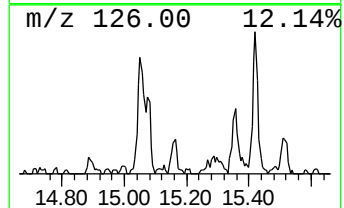
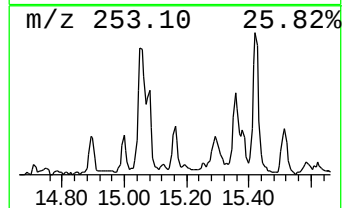
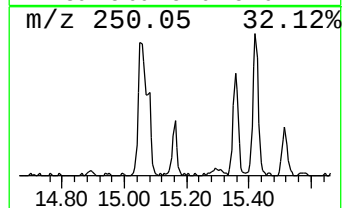
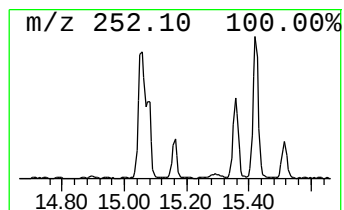
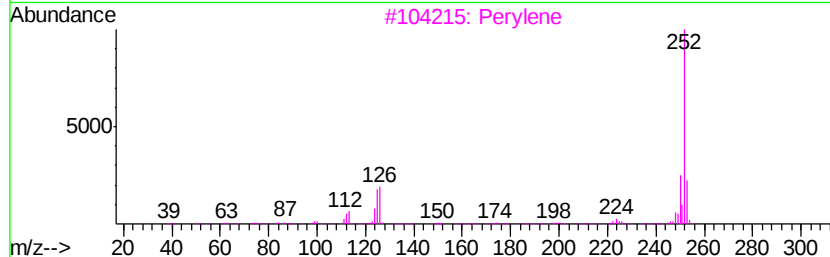
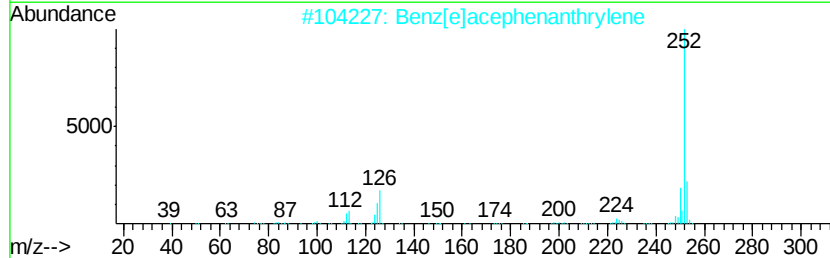
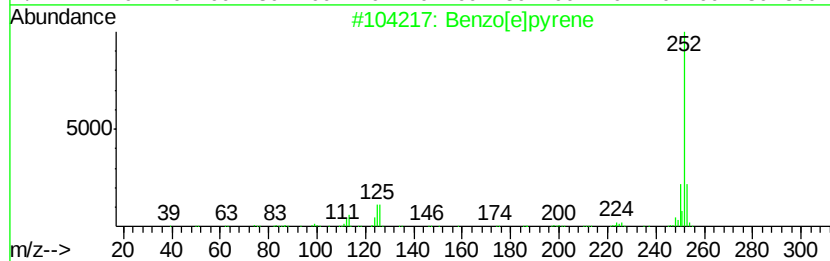
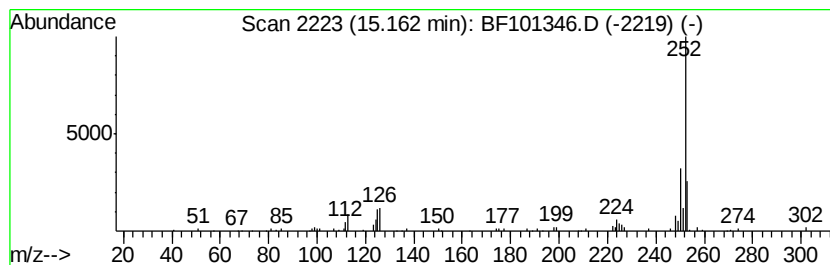
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.33 ng	70093	Perylene-d12	15.49

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	91
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Perylene	252	C20H12	000198-55-0	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
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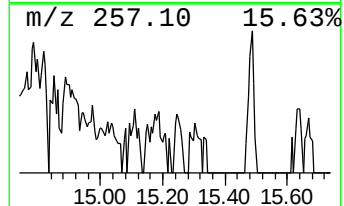
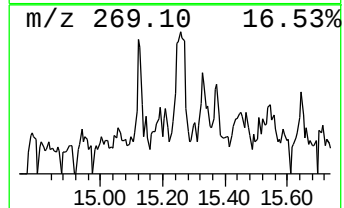
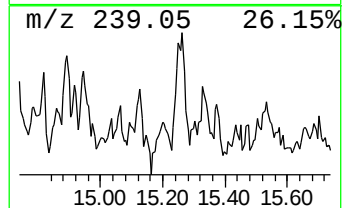
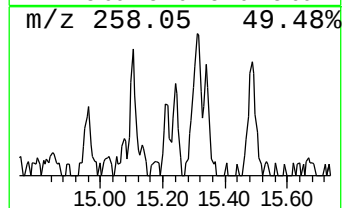
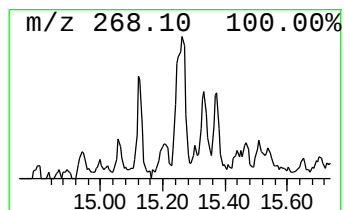
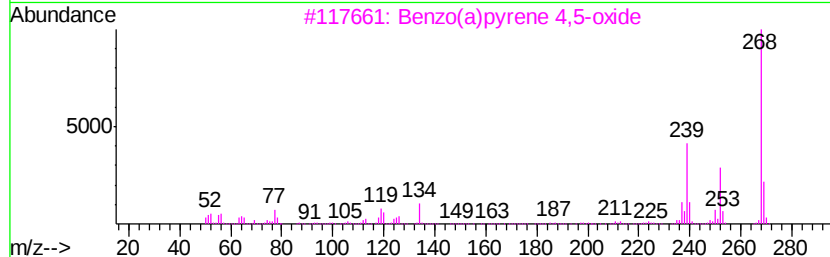
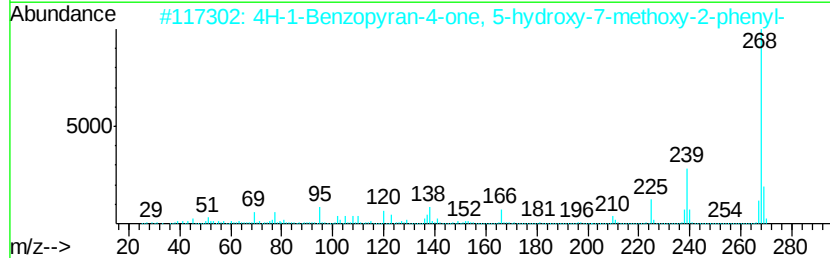
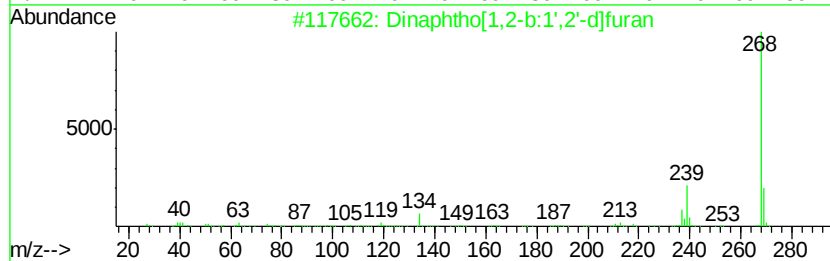
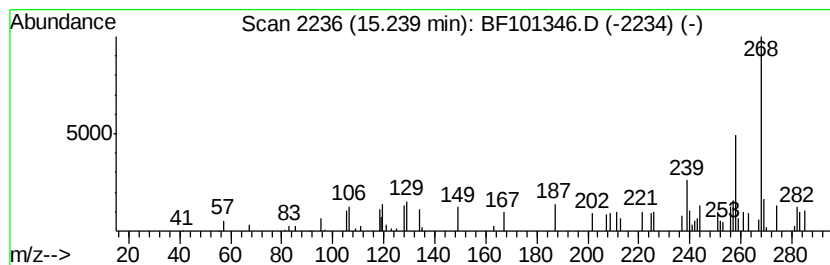
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.35 ng	25998	Perylene-d12	15.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268 C20H12O	000207-93-2 68
2		4H-1-Benzopyran-4-one, 5-hydroxy...	268 C16H12O4	000520-28-5 58
3		Benzo(a)pyrene 4,5-oxide	268 C20H12O	037574-47-3 52
4		Dinaphtho[2,1-b:1',2'-d]furan	268 C20H12O	000194-63-8 50
5		Benzo(a)pyren-7-ol	268 C20H12O	037994-82-4 50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
Sample : I6822-14 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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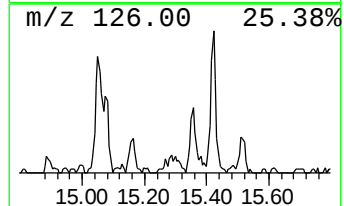
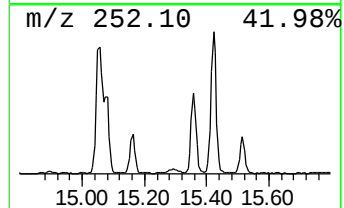
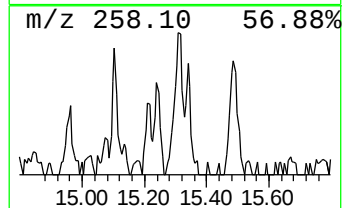
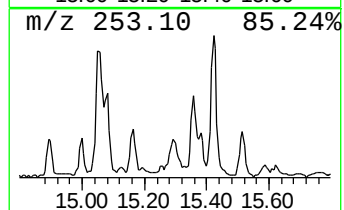
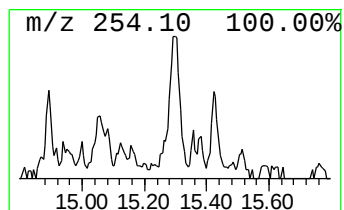
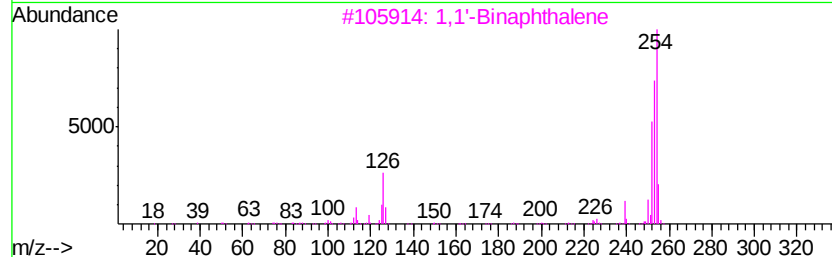
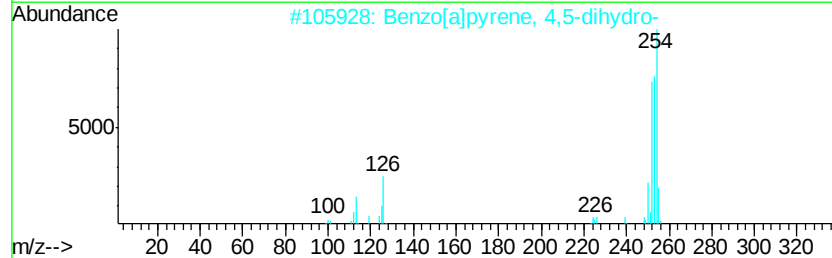
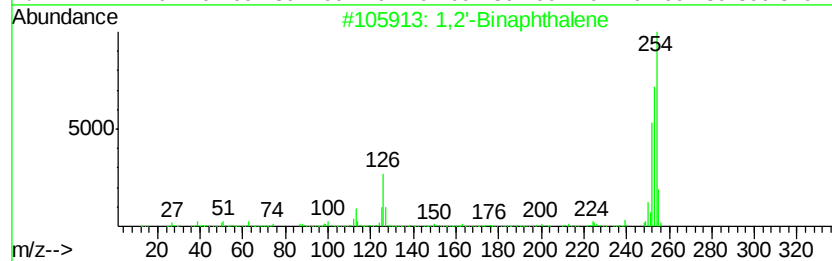
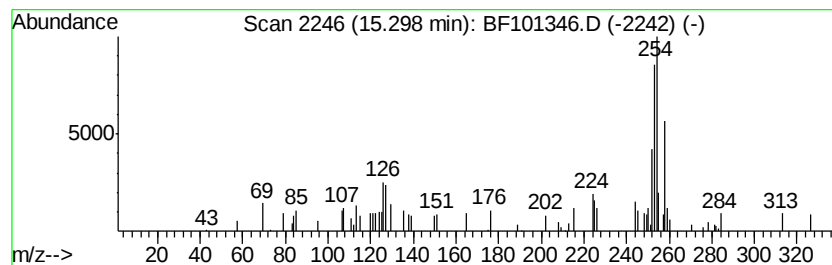
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown15.30 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	3.26 ng	36089	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	49
2		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	49
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	46
4		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	46
5		Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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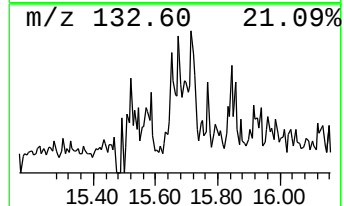
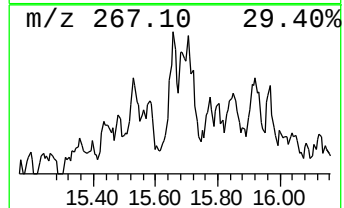
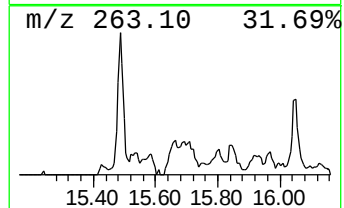
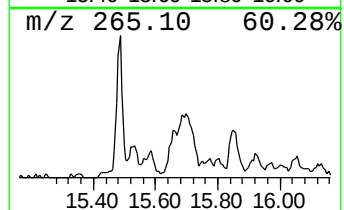
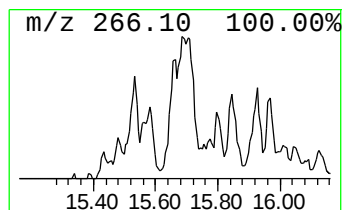
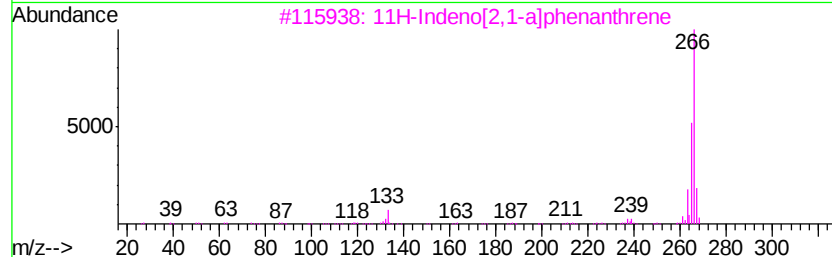
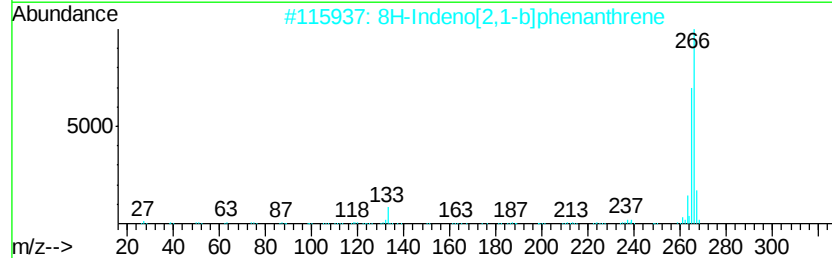
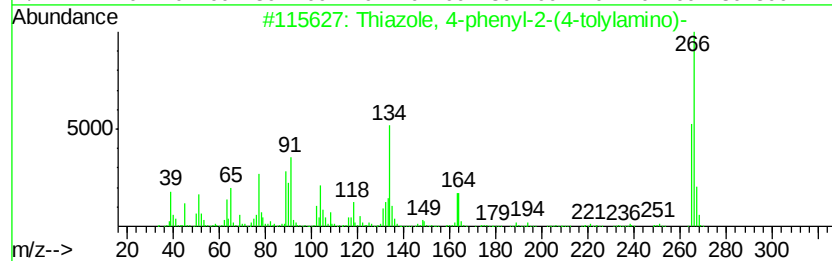
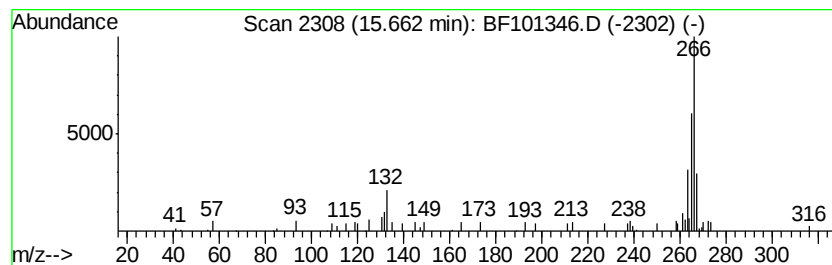
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Thiazole, 4-phenyl-2-(4-tol... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.66	3.71 ng	41074	Perylene-d12	15.49	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	50
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	50
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	47
4	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	47
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
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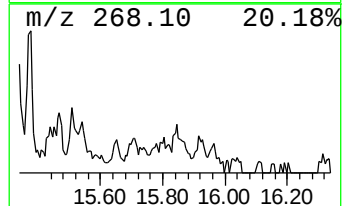
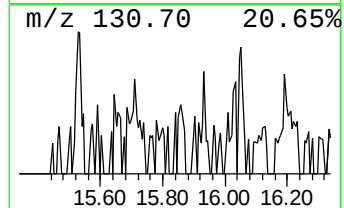
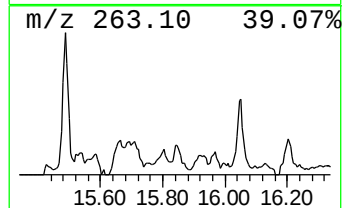
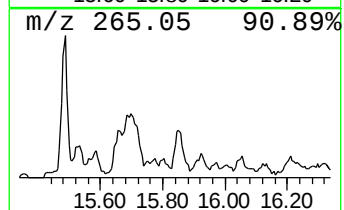
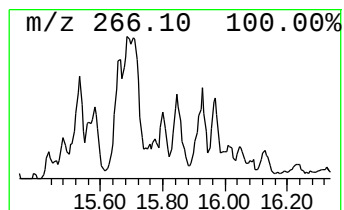
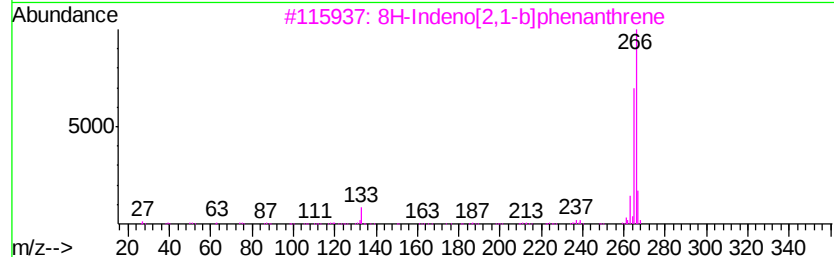
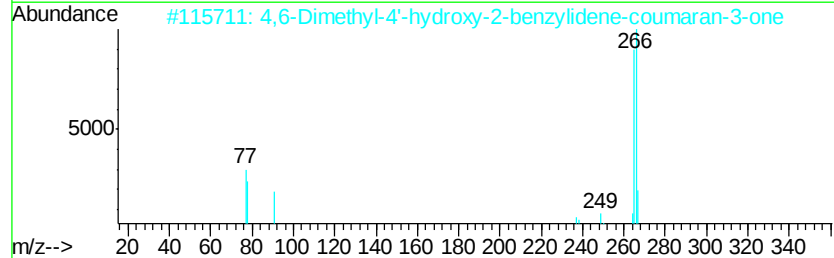
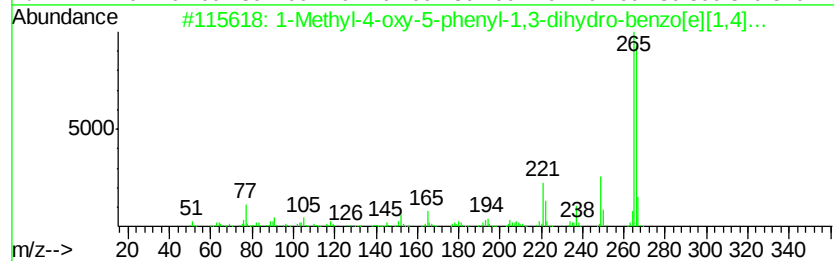
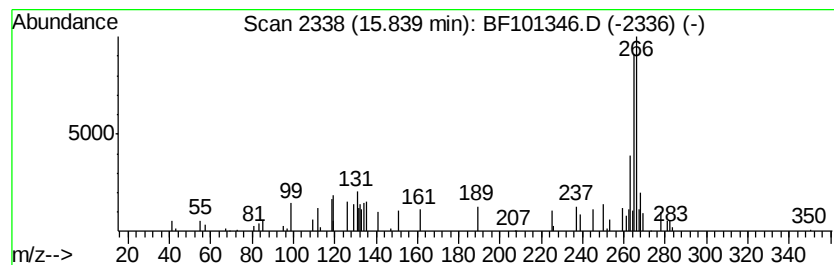
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1-Methyl-4-oxy-5-phenyl-1,3... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.35 ng	37162	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Methyl-4-oxy-5-phenyl-1,3-dihy...	266	C16H14N2O2	1000286-08-5	53
2			4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	50
3			8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	50
4			(1H)Phenanthro[9,10-d]pyrazole, ...	294	C21H14N2	037944-54-0	50
5			Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
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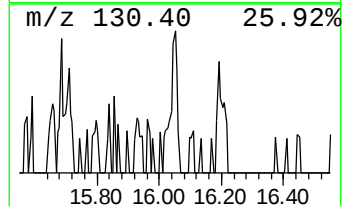
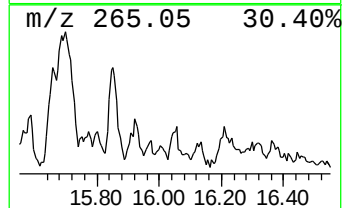
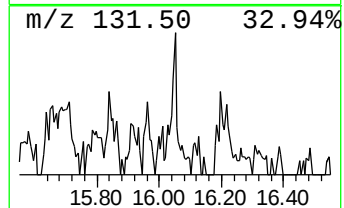
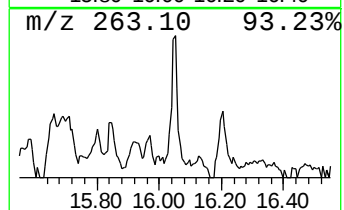
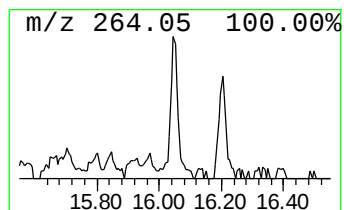
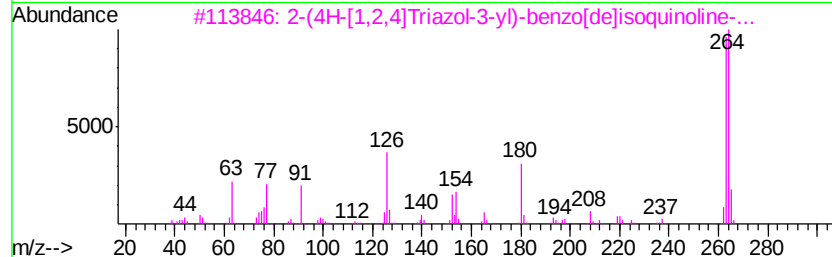
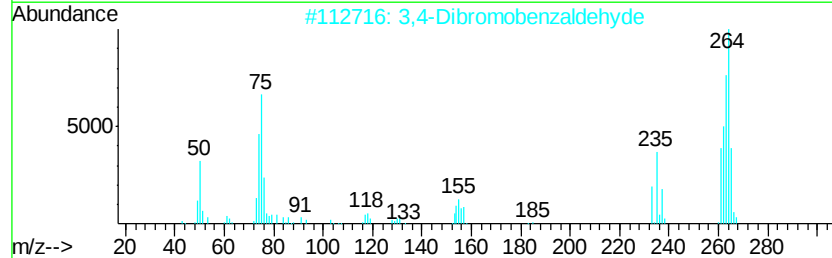
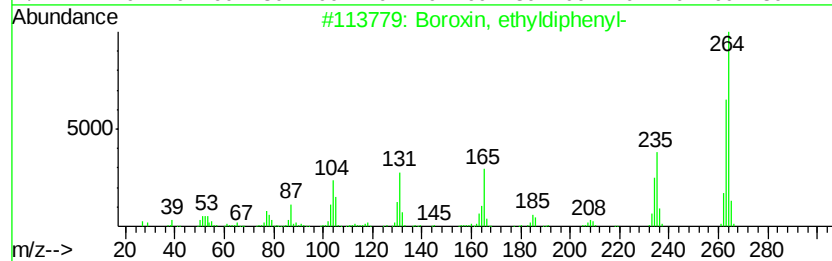
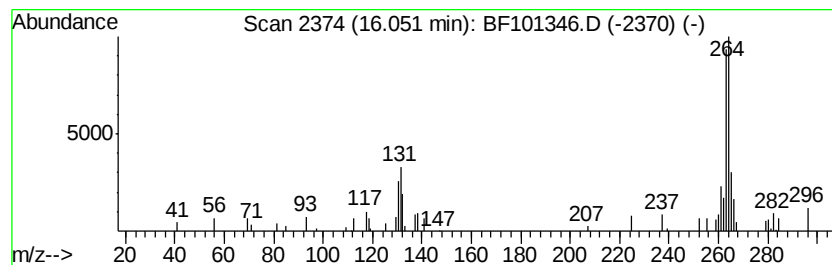
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Boroxin, ethyldiphenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.28 ng	25259	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2		3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	40
3		2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	40
4		Benzo[b]naphtho[2,3-d]thiophene,...	264	C18H16S	024964-00-9	27
5		2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
Sample : I6822-14 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-6(13-15)

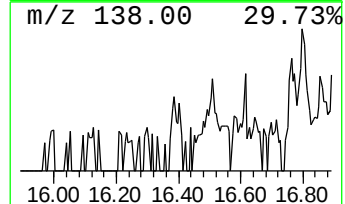
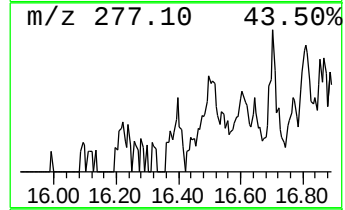
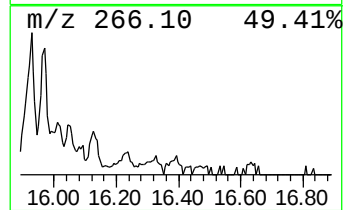
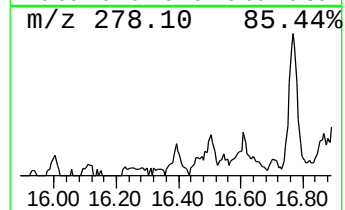
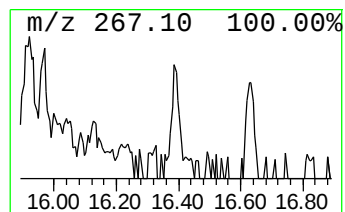
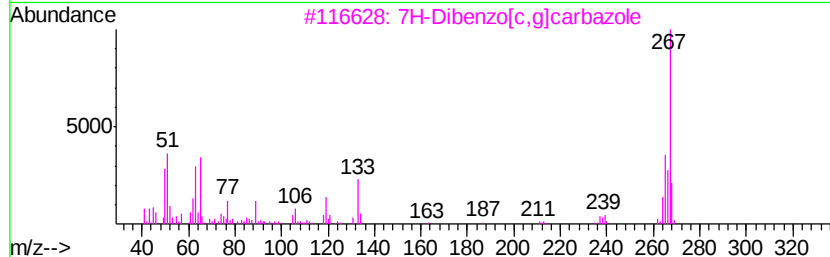
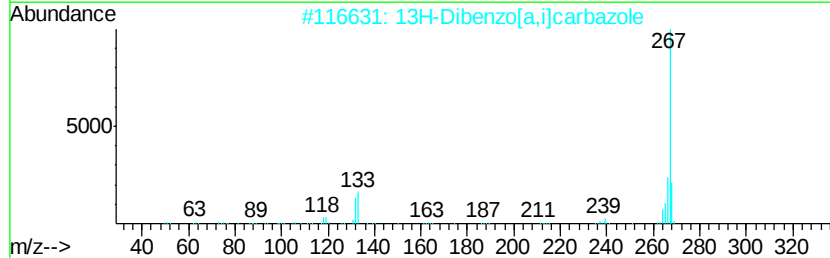
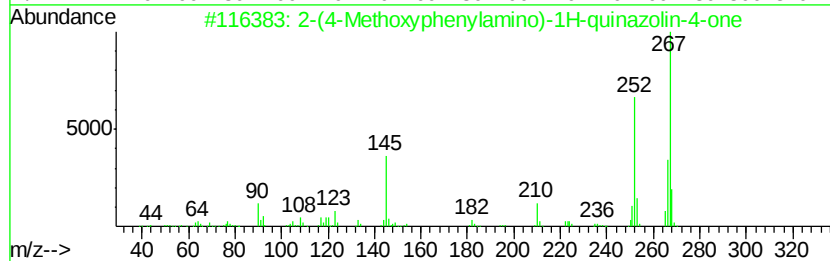
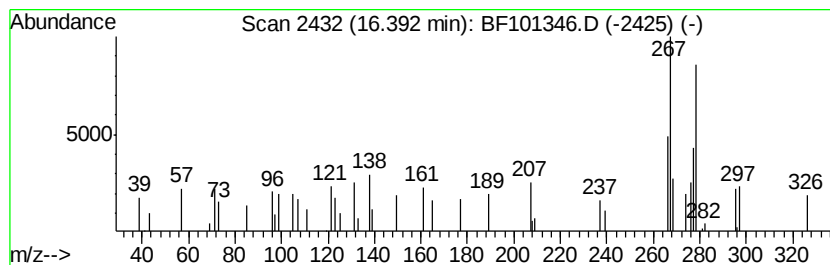
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown16.39 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	2.60 ng	28782	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(4-Methoxyphenylamino)-1H-quin...	267	C15H13N3O2	1000311-37-4	30
2		13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	30
3		7H-Dibenzo[f,c,g]carbazole	267	C20H13N	000194-59-2	27
4		2-Methyl-5-(3,4-methylenedioxyvi...	267	C16H13NO3	094298-70-1	27
5		5H-Naphtho[2,3-b]carbazole	267	C20H13N	000248-96-4	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
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ClientSampleId :
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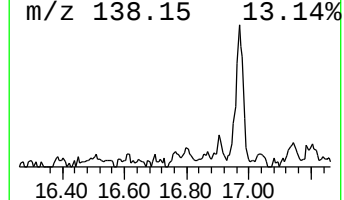
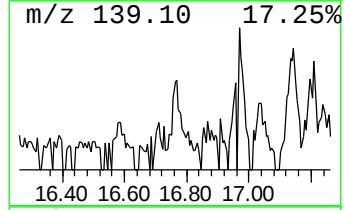
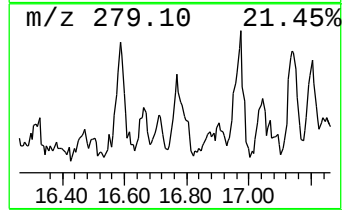
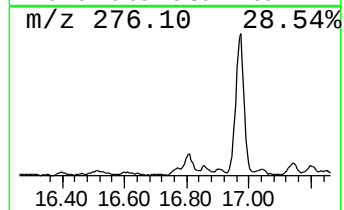
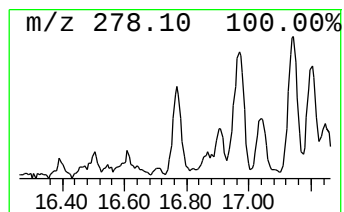
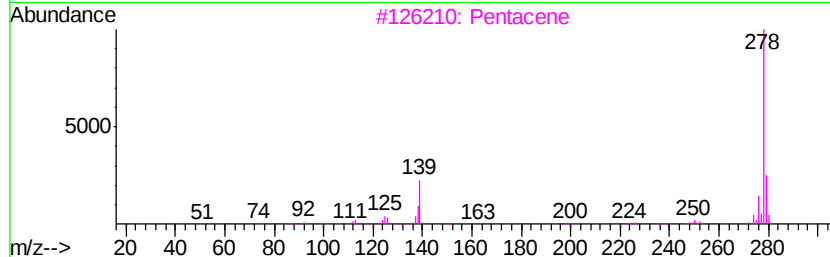
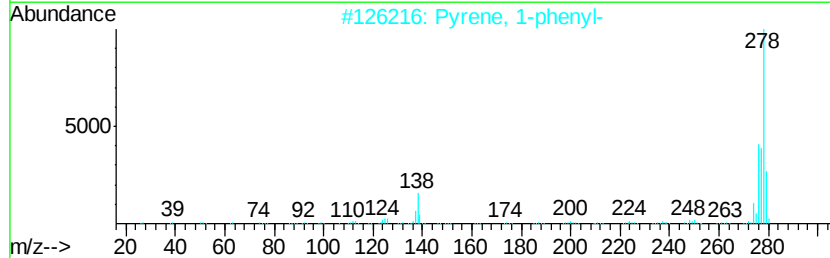
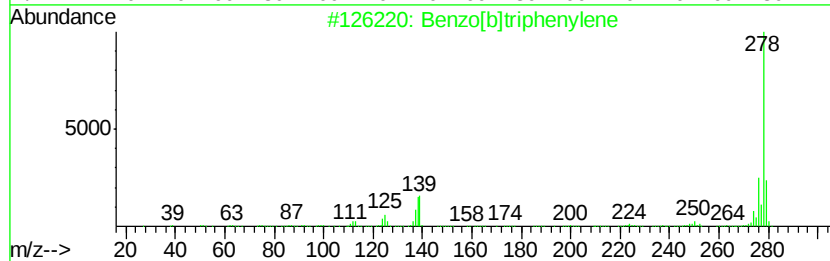
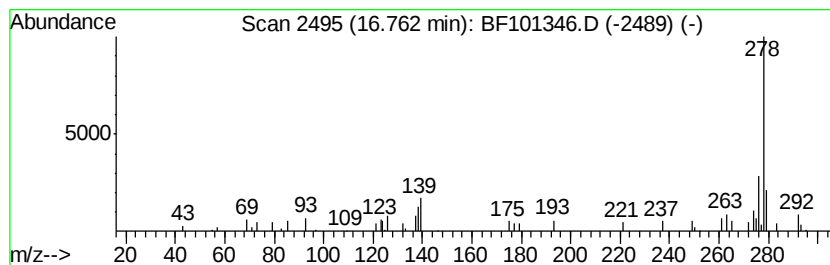
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	3.40 ng	37711	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	58
2			Pyrene, 1-phenyl-	278	C22H14	005101-27-9	52
3			Pentacene	278	C22H14	000135-48-8	52
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
5			2-(4-Dicyanomethyl-2,3,5,6-tetra...	278	C12H2F4N4	1000311-66-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-6(13-15)

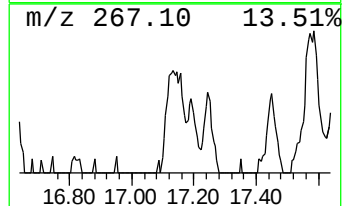
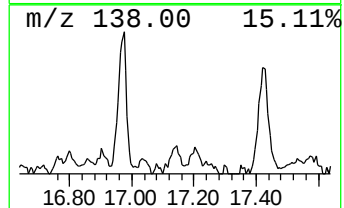
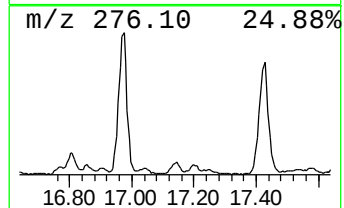
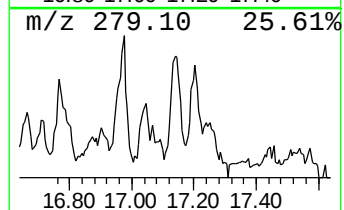
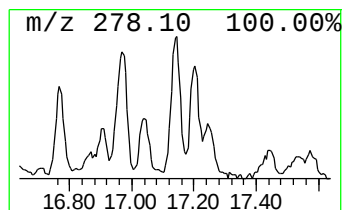
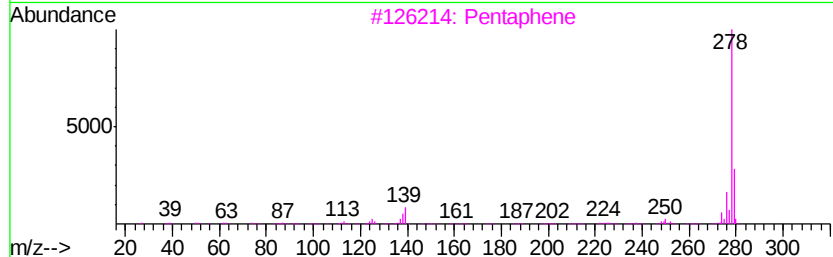
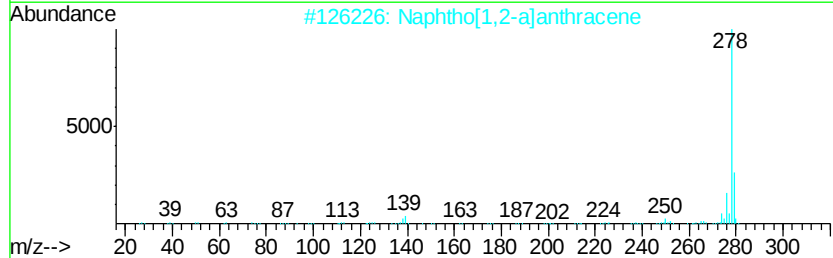
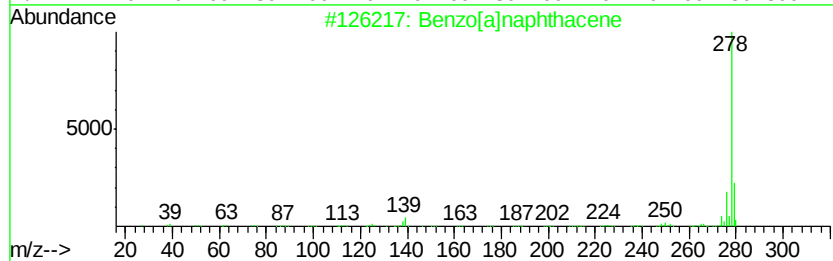
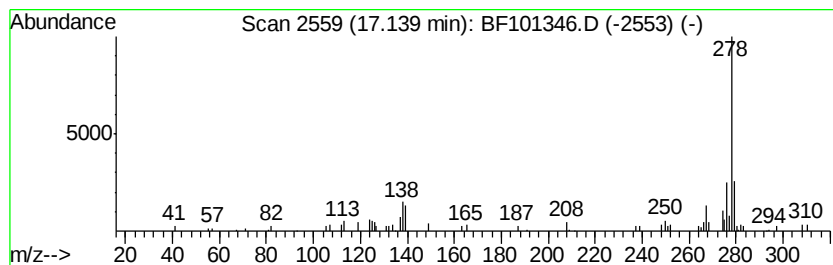
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[a]naphthacene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	7.32 ng	81152	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]naphthacene	278	C22H14	000226-88-0	94
2		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	86
3		Pentaphene	278	C22H14	000222-93-5	64
4		Benzo[blchrysene	278	C22H14	000214-17-5	64
5		Picene	278	C22H14	000213-46-7	60



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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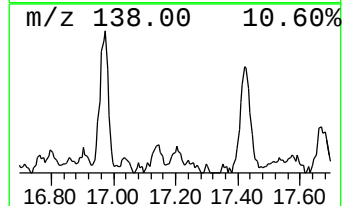
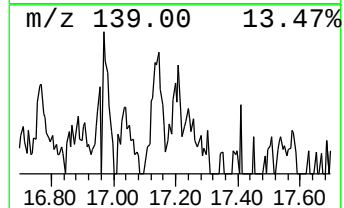
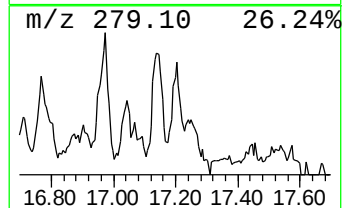
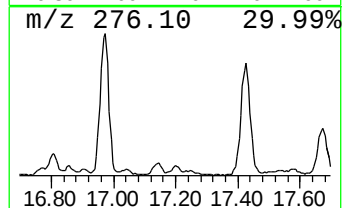
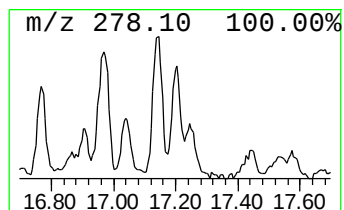
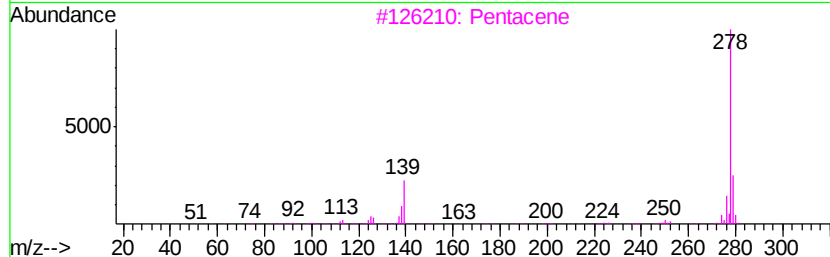
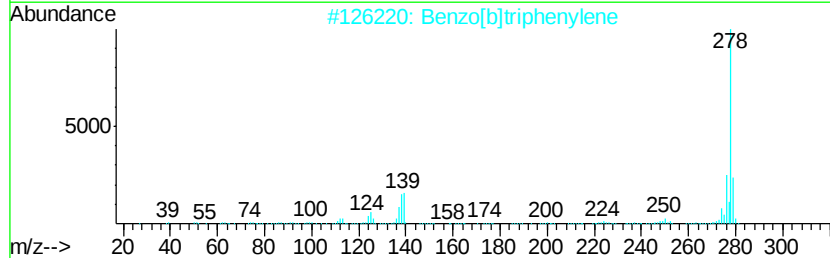
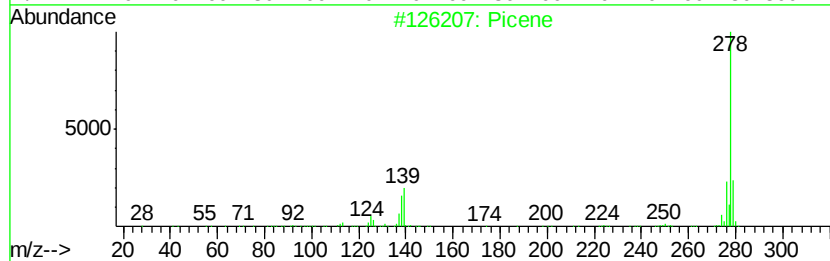
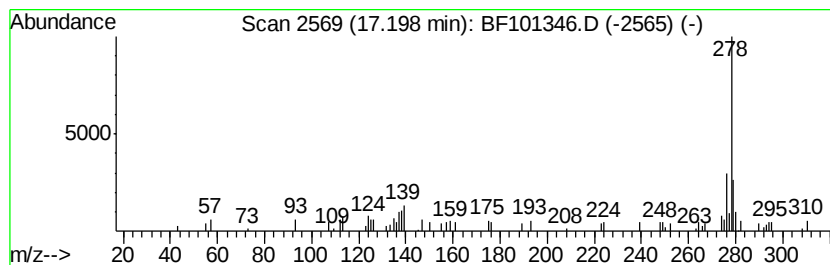
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Picene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	4.62 ng	51245	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	64
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	64
3		Pentacene	278	C22H14	000135-48-8	62
4		Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	59
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101346.D
Acq On : 12 Dec 2017 22:41
Operator : SJ/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-6(13-15)

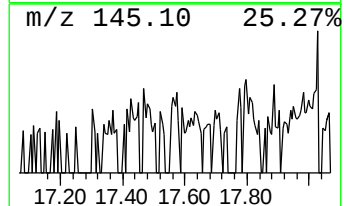
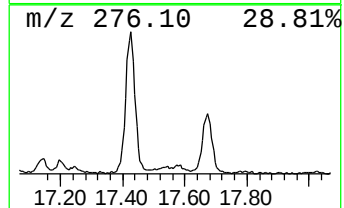
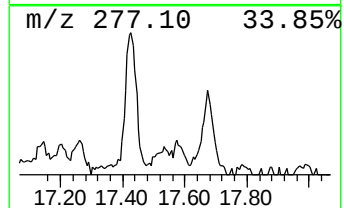
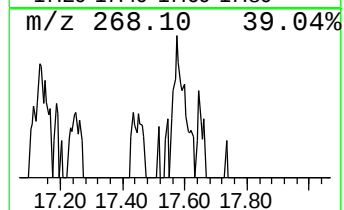
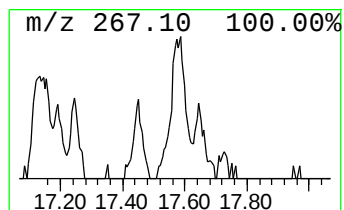
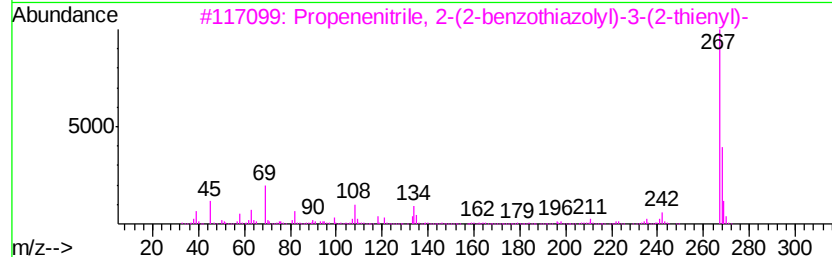
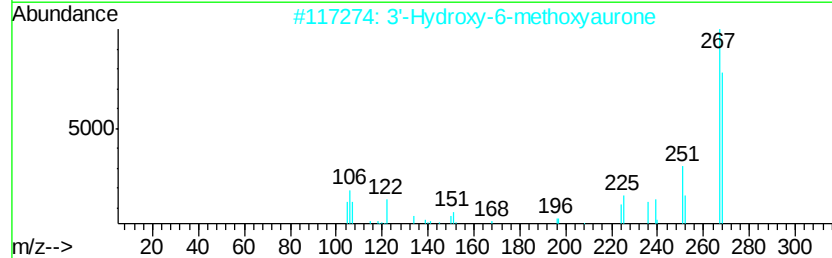
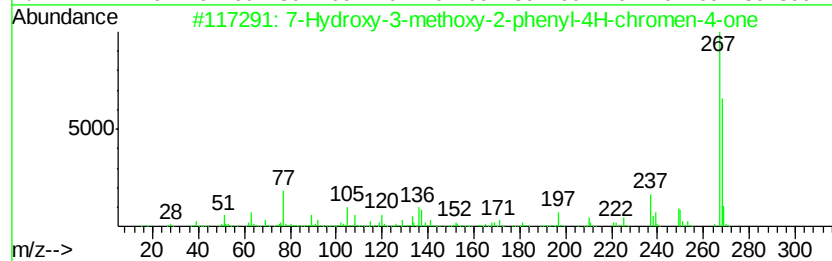
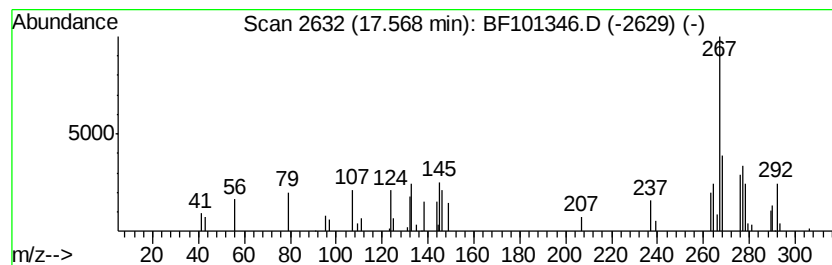
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	4.39 ng	48593	Perylene-d12	15.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7-Hydroxy-3-methoxy-2-phenyl-4H-...	268	C16H12O4	065625-34-5	32
2			3'-Hydroxy-6-methoxyaurone	268	C16H12O4	077764-92-2	32
3			Propenenitrile, 2-(2-benzothiazol-5-yl)-	268	C14H8N2S2	106833-31-2	9
4			7-methoxy-4'-hydroxyisoflavone	268	C16H12O4	000486-63-5	9
5			4-[N'-(3,5-Dimethyl-benzylidene)-2-phenyl-5-oxo-4,5-dihydro-1H-pyrazol-4-yl]-2-methoxyphenol	268	C16H16N2O2	1000293-91-1	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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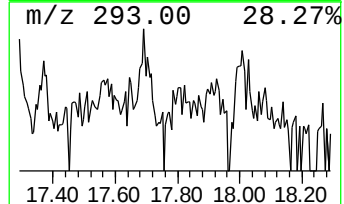
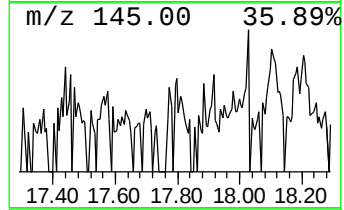
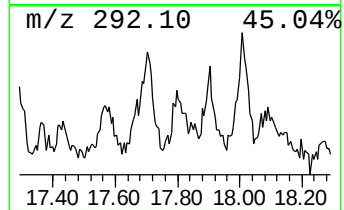
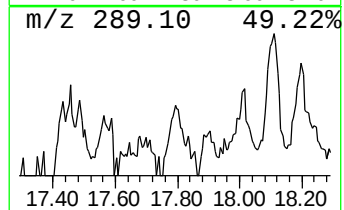
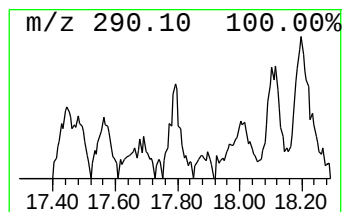
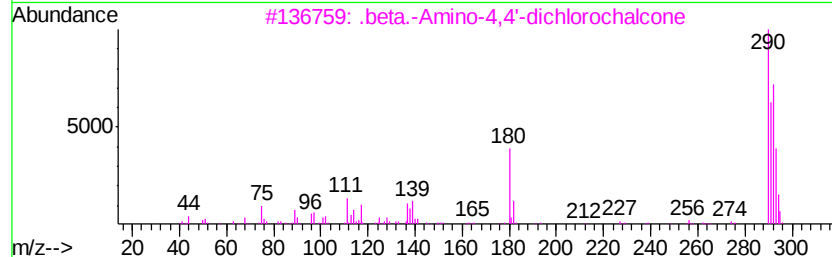
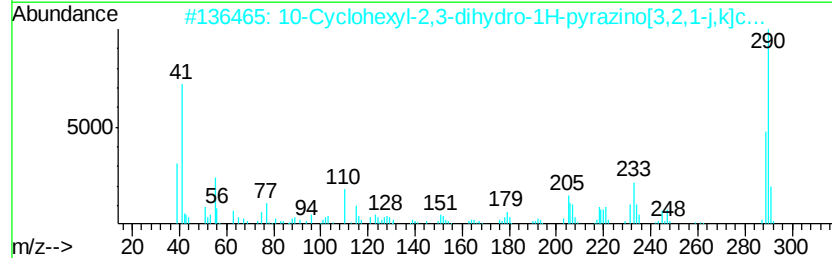
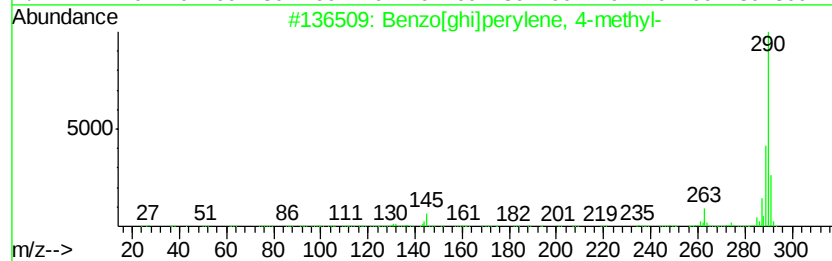
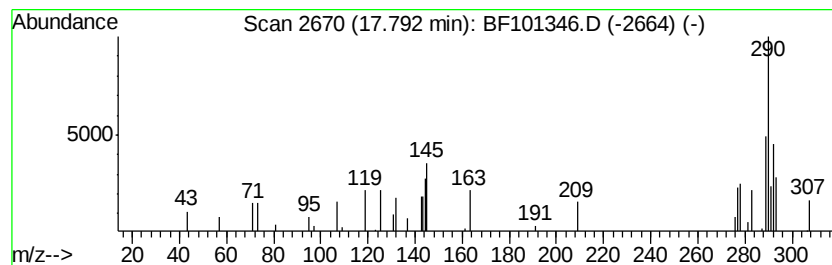
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown17.79 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.38 ng	26383	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene, 4-methyl-	290	C23H14	019224-38-5	38
2		10-Cyclohexyl-2,3-dihydro-1H-pyr...	290	C20H22N2	157056-89-8	27
3		.beta.-Amino-4,4'-dichlorochalcone	291	C15H11Cl2NO	143253-14-9	23
4		3-Aminobenzoic acid, N-trifluoro...	305	C12H14F3NO3Si	1000375-10-8	22
5		1H-Indole-2-carboxylic acid, 1-(...	305	C15H23N02Si2	055255-80-6	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121217\
 Data File : BF101346.D
 Acq On : 12 Dec 2017 22:41
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 Sample : I6822-14 50X
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 ALS Vial : 21 Sample Multiplier: 1

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 ClientSampleId :
 SB-6(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
4H-Cyclopenta[def...	11.97	2.2	ng	29658	4	11.35	273197	20.0
Benzo[c]phenanthrene	14.11	2.5	ng	74412	5	14.00	604132	20.0
Benz[a]anthracene...	14.39	2.5	ng	75031	5	14.00	604132	20.0
10-Oxo-5,5-dimeth...	14.89	2.4	ng	26015	6	15.49	221604	20.0
Benzo[e]pyrene	15.16	6.3	ng	70093	6	15.49	221604	20.0
Dinaphtho[1,2-b:1...	15.24	2.4	ng	25998	6	15.49	221604	20.0
unknown15.30	15.30	3.3	ng	36089	6	15.49	221604	20.0
Thiazole, 4-pheny...	15.66	3.7	ng	41074	6	15.49	221604	20.0
1-Methyl-4-oxy-5-...	15.84	3.4	ng	37162	6	15.49	221604	20.0
Boroxin, ethyldip...	16.05	2.3	ng	25259	6	15.49	221604	20.0
unknown16.39	16.39	2.6	ng	28782	6	15.49	221604	20.0
Benzo[b]triphenylene	16.76	3.4	ng	37711	6	15.49	221604	20.0
Benzo[a]naphthacene	17.14	7.3	ng	81152	6	15.49	221604	20.0
Picene	17.20	4.6	ng	51245	6	15.49	221604	20.0
unknown17.57	17.57	4.4	ng	48593	6	15.49	221604	20.0
unknown17.79	17.79	2.4	ng	26383	6	15.49	221604	20.0