

Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
 Data File : BF101444.D
 Acq On : 15 Dec 2017 15:51
 Operator : SJ/JU
 Sample : I6877-02 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(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-BF121417.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	5.445	567	571	587	rBV	104996	236547	9.93%	0.747%
2	6.463	741	744	763	rBV	113051	274978	11.55%	0.868%
3	6.592	763	766	781	rVB	223173	283546	11.91%	0.895%
4	6.810	800	803	824	rBV	1003798	1117207	46.92%	3.527%
5	6.969	826	830	843	rVB	149207	194245	8.16%	0.613%
6	7.392	899	902	919	rBV	89940	160070	6.72%	0.505%
7	8.098	1018	1022	1042	rBV	1296301	1582884	66.47%	4.998%
8	9.175	1201	1205	1214	rBV	225430	237327	9.97%	0.749%
9	9.851	1316	1320	1324	rBV2	1634679	1574955	66.14%	4.972%
10	9.886	1324	1326	1332	rVB	192082	182253	7.65%	0.575%
11	10.069	1352	1357	1360	rBV	38163	39702	1.67%	0.125%
12	10.404	1411	1414	1420	rVB	67175	76824	3.23%	0.243%
13	10.469	1420	1425	1427	rBV2	29345	46063	1.93%	0.145%
14	10.651	1452	1456	1461	rBV2	157089	179412	7.53%	0.566%
15	10.951	1501	1507	1510	rBV2	24107	31700	1.33%	0.100%
16	11.192	1545	1548	1552	rBV2	25416	32505	1.37%	0.103%
17	11.239	1554	1556	1561	rVB	74649	69564	2.92%	0.220%
18	11.345	1570	1574	1576	rBV	1766568	1616832	67.90%	5.105%
19	11.368	1576	1578	1582	rVV	1021231	846312	35.54%	2.672%
20	11.421	1582	1587	1592	rVV	321180	349375	14.67%	1.103%
21	11.468	1592	1595	1599	rVB	53824	58165	2.44%	0.184%
22	11.586	1610	1615	1622	rBV2	151449	208234	8.74%	0.657%
23	11.657	1625	1627	1631	rBV3	20426	26830	1.13%	0.085%
24	11.845	1655	1659	1662	rBV	125017	118536	4.98%	0.374%
25	11.874	1662	1664	1670	rVB2	165091	159594	6.70%	0.504%
26	11.927	1670	1673	1675	rBV	88577	84861	3.56%	0.268%
27	11.963	1675	1679	1681	rBV	176268	209976	8.82%	0.663%
28	12.033	1688	1691	1693	rBV2	29362	31439	1.32%	0.099%
29	12.139	1706	1709	1712	rVB	88135	74769	3.14%	0.236%
30	12.210	1719	1721	1725	rVB2	26457	26581	1.12%	0.084%
31	12.286	1731	1734	1737	rBV3	46119	49903	2.10%	0.158%
32	12.321	1737	1740	1742	rVV3	32479	24129	1.01%	0.076%
33	12.392	1748	1752	1755	rBV	82256	87929	3.69%	0.278%
34	12.439	1757	1760	1761	rVV	30095	26109	1.10%	0.082%

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35	12.480	1764	1767	1768	rBV3	28827	26648	1.12%	0.084%
36	12.563	1777	1781	1784	rBV	1476031	1379685	57.94%	4.356%
37	12.627	1789	1792	1796	rVB3	37597	47069	1.98%	0.149%
38	12.710	1802	1806	1809	rBV2	90535	101107	4.25%	0.319%
39	12.792	1813	1820	1826	rVV2	1317363	1789978	75.17%	5.651%
40	12.839	1826	1828	1837	rVB2	105292	122517	5.14%	0.387%
41	12.921	1837	1842	1845	rBV2	270405	297775	12.50%	0.940%
42	12.957	1845	1848	1852	rVB	109883	114986	4.83%	0.363%
43	13.010	1852	1857	1861	rBV2	103529	169156	7.10%	0.534%
44	13.045	1861	1863	1868	rVB	51830	52381	2.20%	0.165%
45	13.092	1868	1871	1872	rBV2	78656	78265	3.29%	0.247%
46	13.121	1872	1876	1879	rVB	282416	277658	11.66%	0.877%
47	13.186	1884	1887	1889	rVV	279792	239842	10.07%	0.757%
48	13.221	1889	1893	1896	rVV2	168470	224044	9.41%	0.707%
49	13.280	1900	1903	1905	rVB2	51158	51801	2.18%	0.164%
50	13.315	1905	1909	1912	rBV	89056	96952	4.07%	0.306%
51	13.351	1912	1915	1921	rVB3	84865	116378	4.89%	0.367%
52	13.415	1923	1926	1933	rVB5	31278	55509	2.33%	0.175%
53	13.468	1933	1935	1938	rBV	107653	109037	4.58%	0.344%
54	13.521	1941	1944	1946	rBV3	52740	54052	2.27%	0.171%
55	13.545	1946	1948	1950	rBV2	45504	34086	1.43%	0.108%
56	13.604	1955	1958	1961	rBV3	54646	76386	3.21%	0.241%
57	13.639	1961	1964	1966	rVB2	44757	45513	1.91%	0.144%
58	13.745	1977	1982	1983	rBV	143643	154257	6.48%	0.487%
59	13.762	1983	1985	1988	rVB	167558	139828	5.87%	0.441%
60	13.798	1988	1991	1992	rBV	98381	110821	4.65%	0.350%
61	13.910	2005	2010	2013	rBV	76415	133293	5.60%	0.421%
62	13.945	2013	2016	2018	rVV	174762	182236	7.65%	0.575%
63	13.992	2019	2024	2027	rVV3	1556949	2381313	100.00%	7.518%
64	14.021	2027	2029	2032	rVB	847632	689521	28.96%	2.177%
65	14.098	2039	2042	2045	rVB	342881	271242	11.39%	0.856%
66	14.192	2055	2058	2060	rBV	110355	92360	3.88%	0.292%
67	14.227	2061	2064	2067	rVB2	135398	135373	5.68%	0.427%
68	14.309	2076	2078	2081	rBV3	33302	30379	1.28%	0.096%
69	14.345	2081	2084	2085	rBV	94208	96227	4.04%	0.304%
70	14.380	2085	2090	2093	rVV	280079	313443	13.16%	0.990%
71	14.415	2093	2096	2099	rVB2	91183	83747	3.52%	0.264%

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72	14.457	2100	2103	2105	rBV4	63647	70811	2.97%	0.224%
73	14.480	2105	2107	2109	rVB2	120321	93584	3.93%	0.295%
74	14.504	2109	2111	2113	rBV	111004	104326	4.38%	0.329%
75	14.527	2113	2115	2118	rVB2	143828	113489	4.77%	0.358%
76	14.557	2118	2120	2121	rBV2	34753	26894	1.13%	0.085%
77	14.704	2142	2145	2147	rBV3	67122	83276	3.50%	0.263%
78	14.880	2172	2175	2178	rBV2	113949	125639	5.28%	0.397%
79	14.986	2190	2193	2196	rBV	56606	69001	2.90%	0.218%
80	15.039	2197	2202	2205	rBV	1077962	1662716	69.82%	5.250%
81	15.145	2216	2220	2224	rVB	302113	328587	13.80%	1.037%
82	15.227	2231	2234	2236	rBV2	93268	117572	4.94%	0.371%
83	15.280	2240	2243	2248	rVV2	125984	256103	10.75%	0.809%
84	15.339	2249	2253	2260	rVV	698447	926629	38.91%	2.926%
85	15.404	2260	2264	2270	rVV	1096564	1395868	58.62%	4.407%
86	15.462	2270	2274	2277	rVV	719631	942051	39.56%	2.974%
87	15.498	2277	2280	2286	rVB2	345806	505318	21.22%	1.595%
88	15.639	2300	2304	2307	rBV2	88077	140025	5.88%	0.442%
89	15.951	2353	2357	2359	rBV2	58372	69398	2.91%	0.219%
90	16.027	2366	2370	2374	rVB2	99046	131697	5.53%	0.416%
91	16.180	2394	2396	2401	rBV3	37859	48699	2.05%	0.154%
92	16.739	2487	2491	2495	rBV2	75529	121752	5.11%	0.384%
93	16.780	2495	2498	2503	rVB2	68664	104214	4.38%	0.329%
94	16.950	2519	2527	2534	rVB	661257	1261091	52.96%	3.982%
95	17.115	2548	2555	2560	rBV2	201961	427188	17.94%	1.349%
96	17.174	2560	2565	2570	rVV3	126462	238009	9.99%	0.751%
97	17.398	2596	2603	2614	rBV	456911	1057900	44.43%	3.340%
98	17.645	2638	2645	2656	rVB	214982	557305	23.40%	1.760%

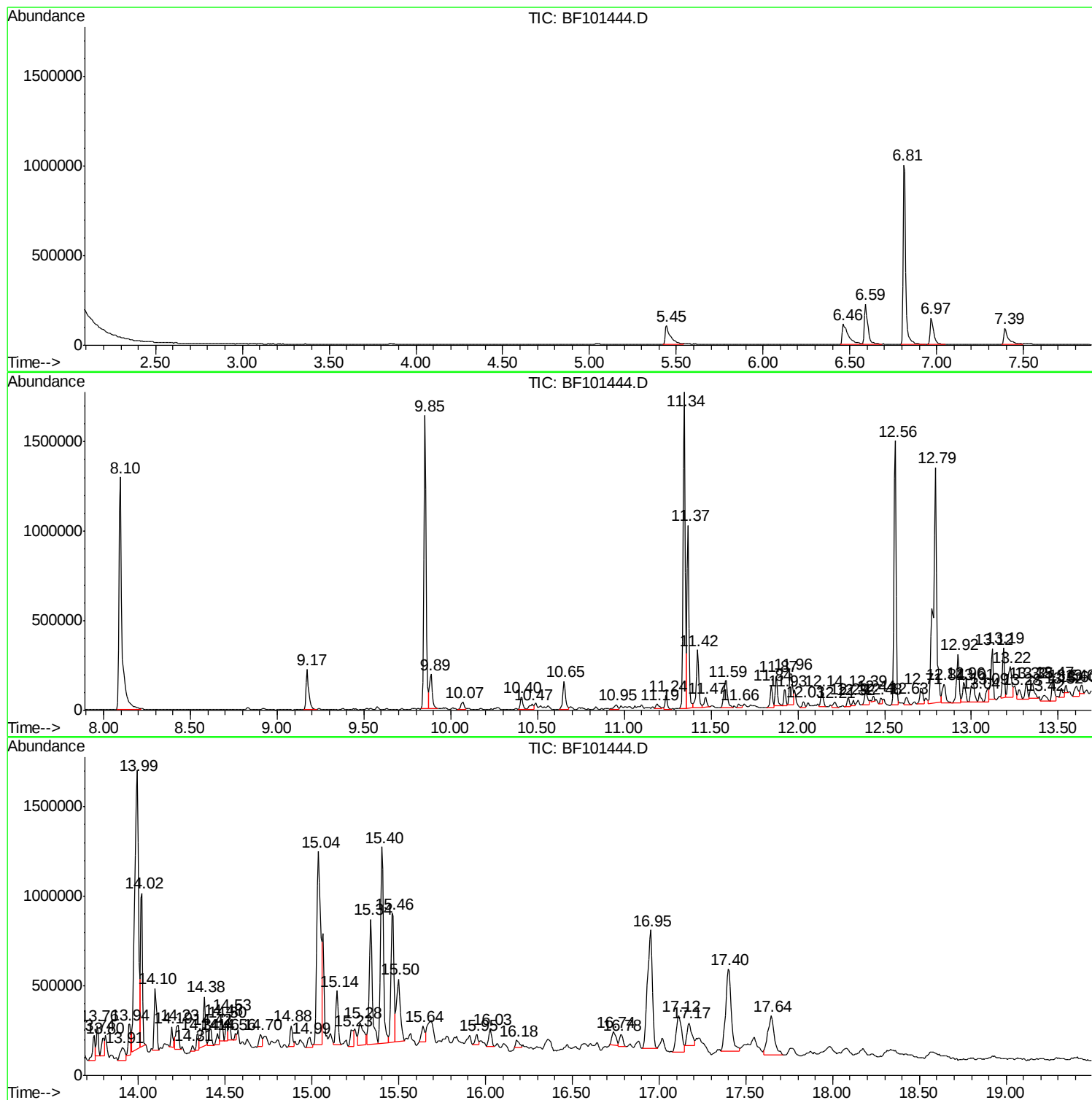
Sum of corrected areas: 31673363

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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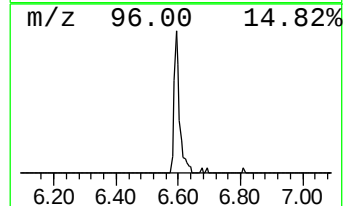
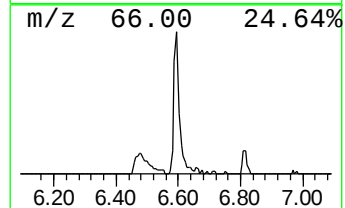
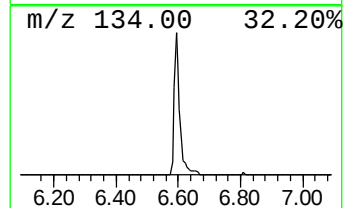
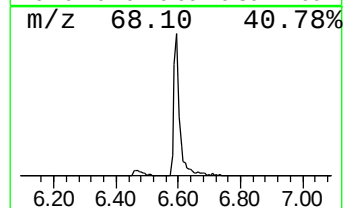
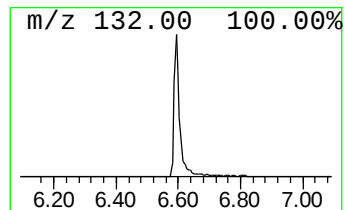
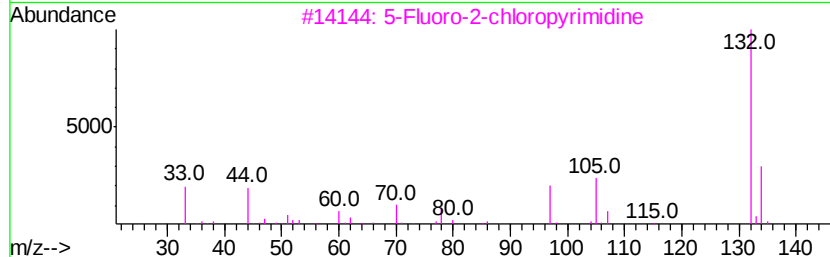
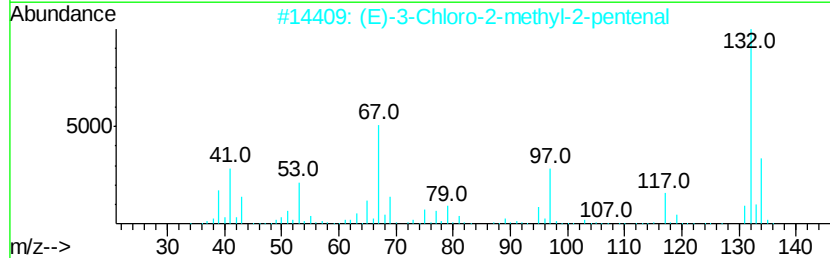
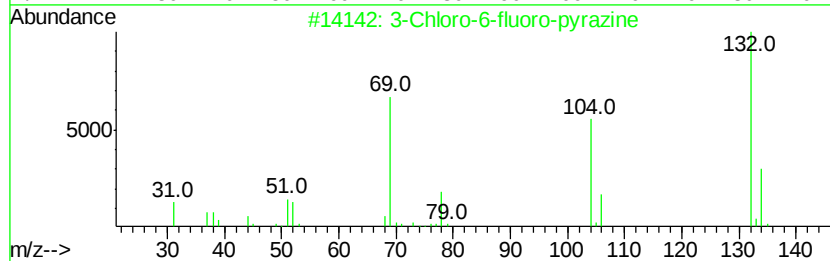
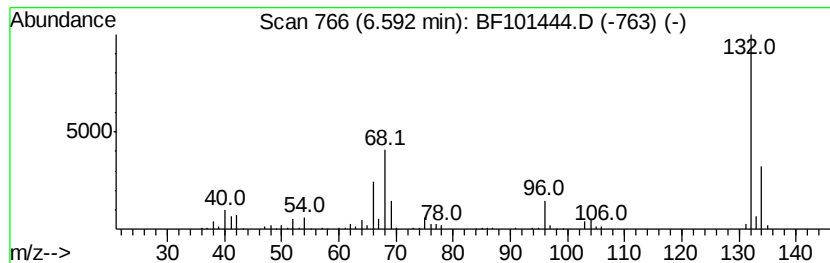
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	5.08 ng	283546	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10



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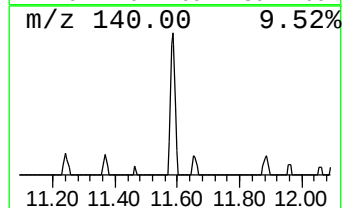
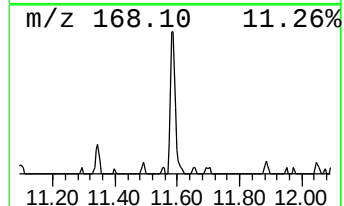
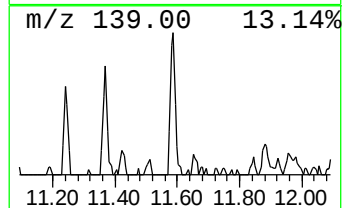
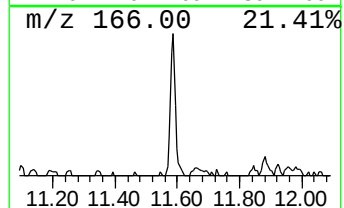
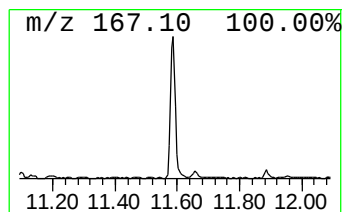
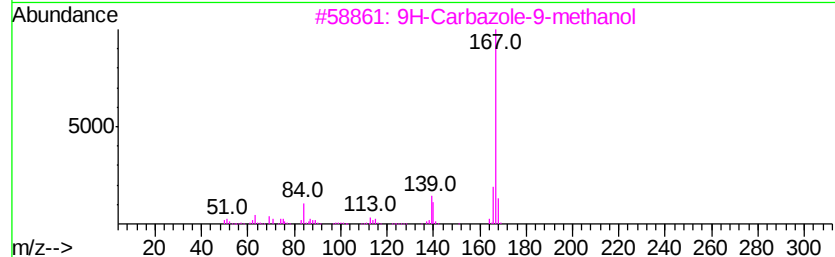
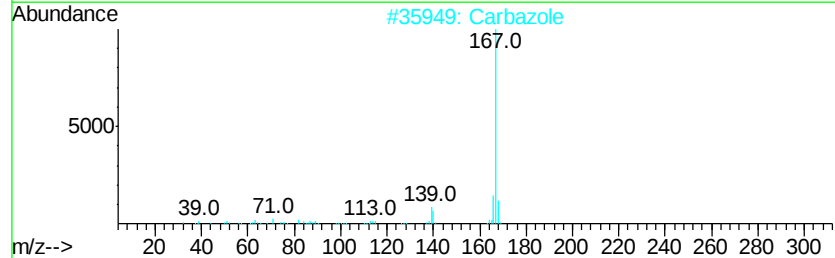
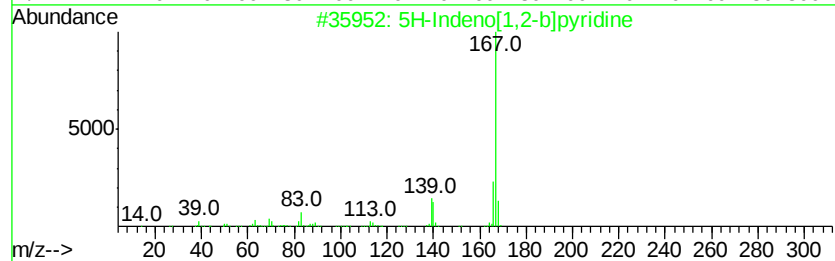
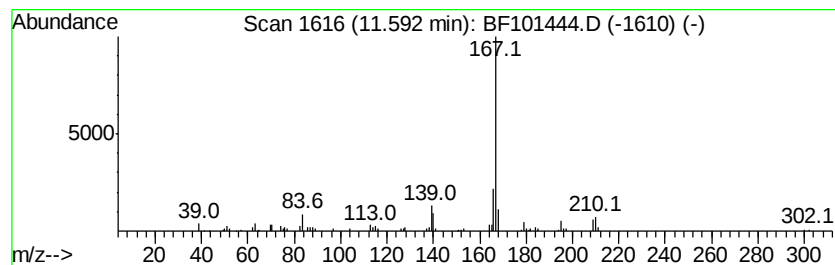
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.58 ng	208234	Phenanthrene-d10	11.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine		167	C12H9N	000244-99-5	94
2	Carbazole		167	C12H9N	000086-74-8	93
3	9H-Carbazole-9-methanol		197	C13H11NO	002409-36-1	83
4	9H-Carbazole, 9-nitroso-		196	C12H8N2O	002788-23-0	83
5	D-Galactitol, 2-(acetylmethylami...		363	C16H29NO8	074410-42-7	83



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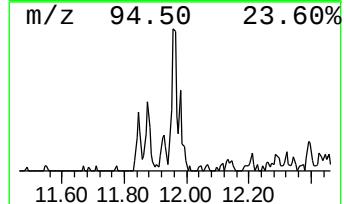
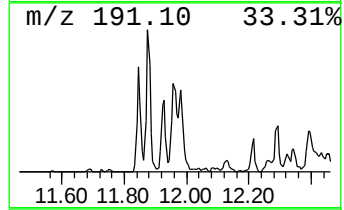
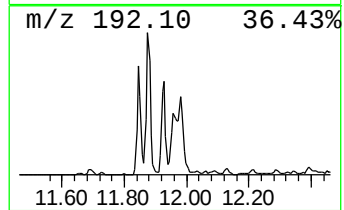
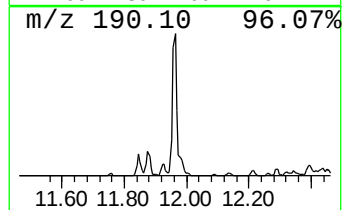
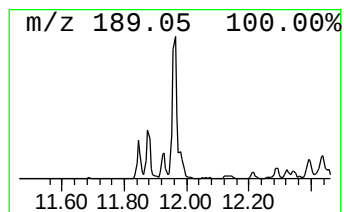
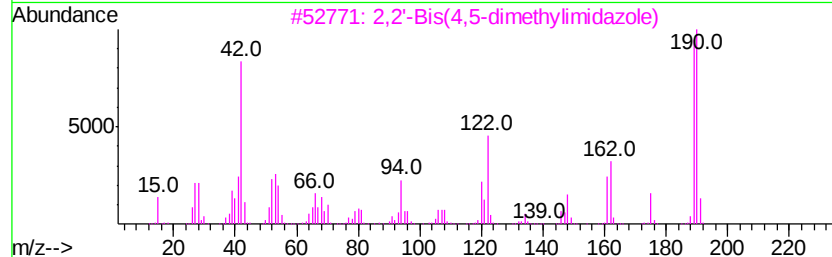
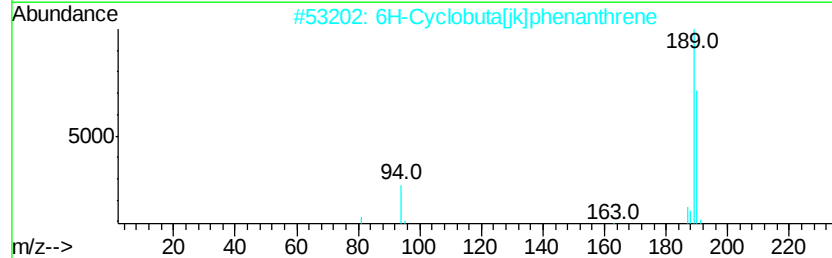
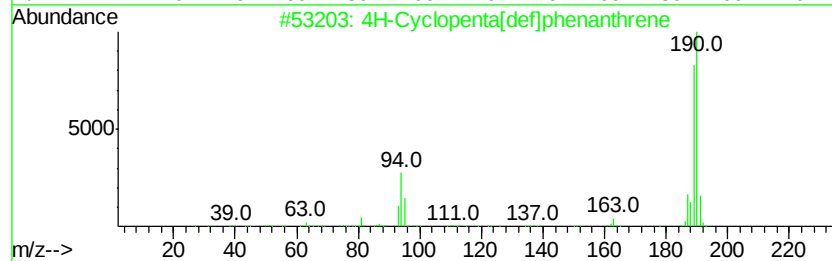
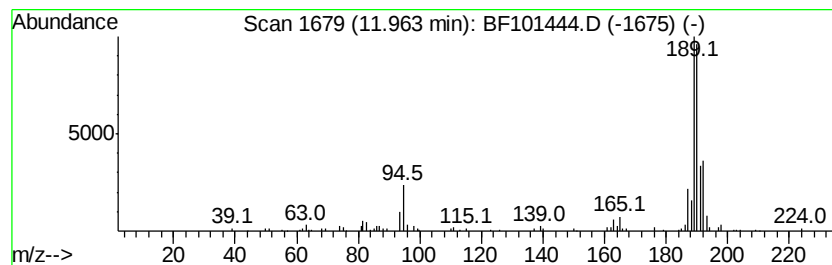
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Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.60 ng	209976	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	72
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		Methyl diselenide	190	C2H6Se2	007101-31-7	43
5		1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	33



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
Operator : SJ/JU
Sample : I6877-02 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
SB-5(13-15)

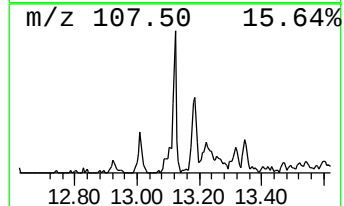
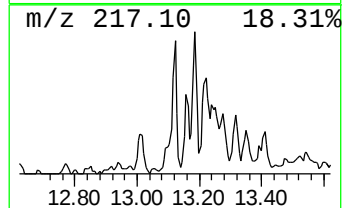
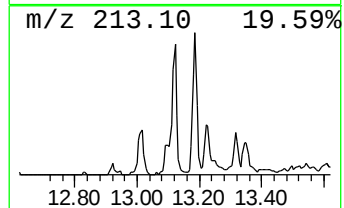
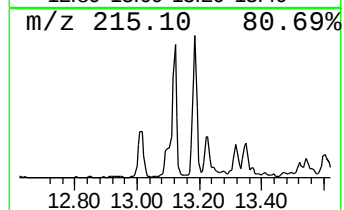
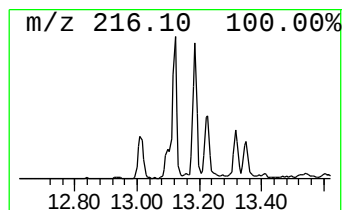
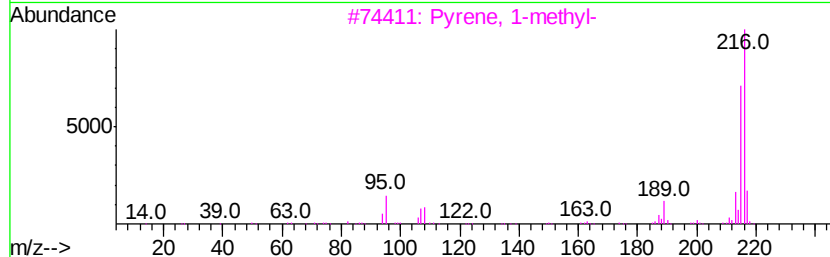
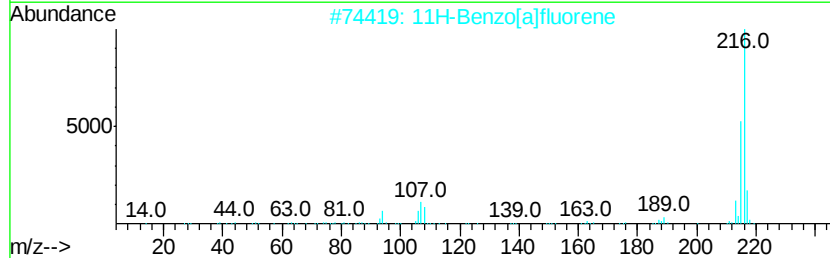
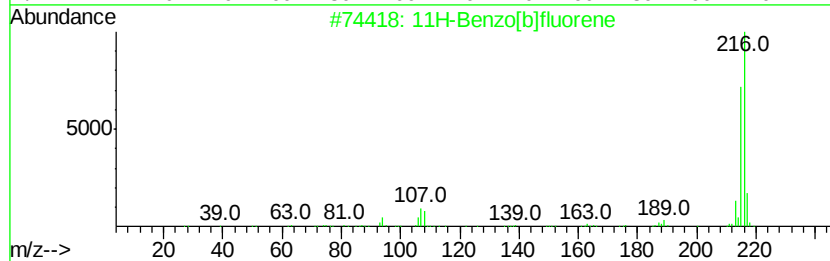
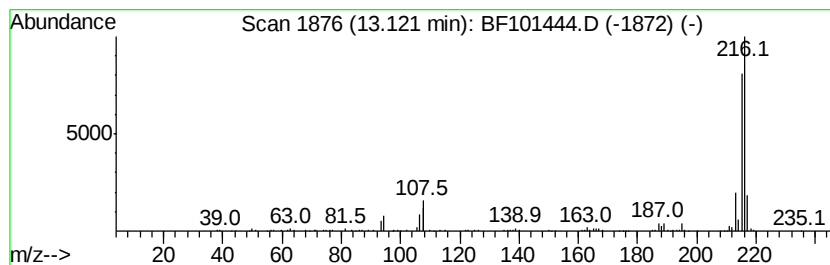
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.33 ng	277658	Chrysene-d12	13.99

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
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ClientSampleId :
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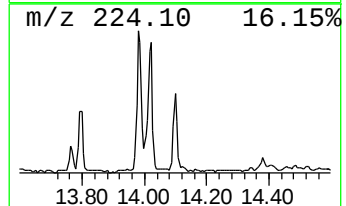
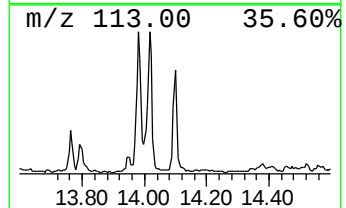
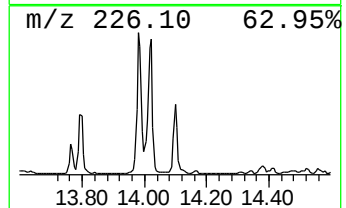
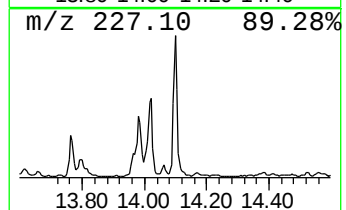
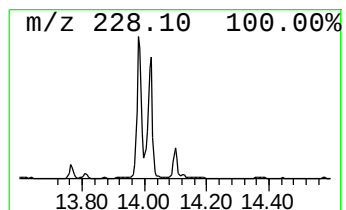
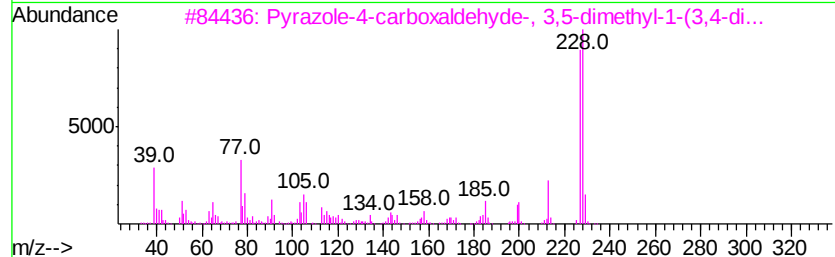
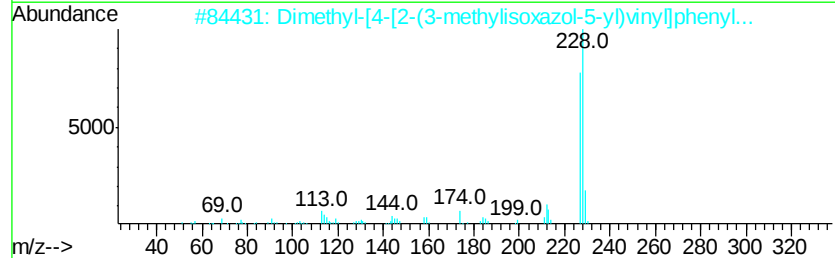
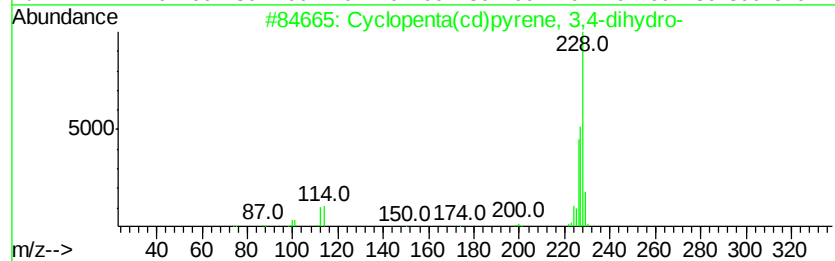
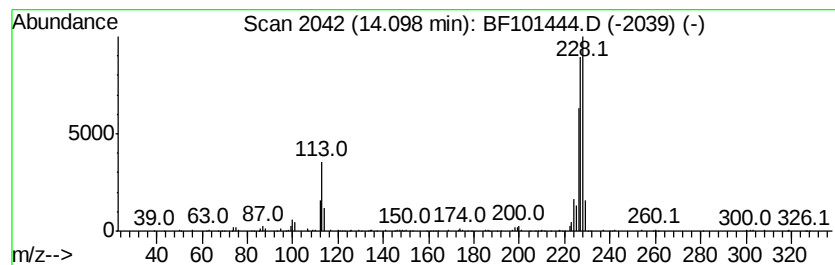
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.28 ng	271242	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2		Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	52
3		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
4		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5		Benzo[c]phenanthrene	228	C18H12	000195-19-7	47



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
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ClientSampleId :
SB-5(13-15)

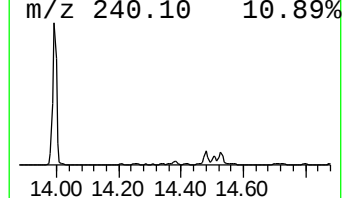
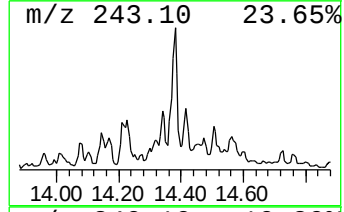
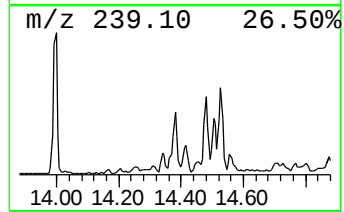
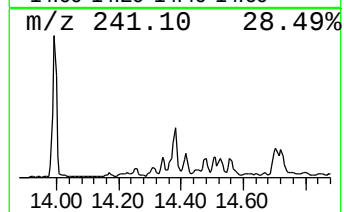
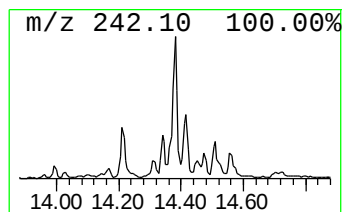
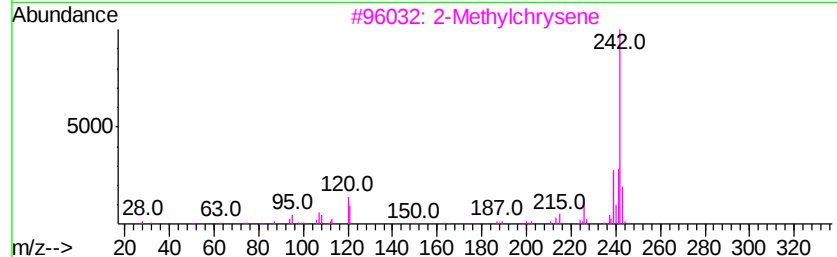
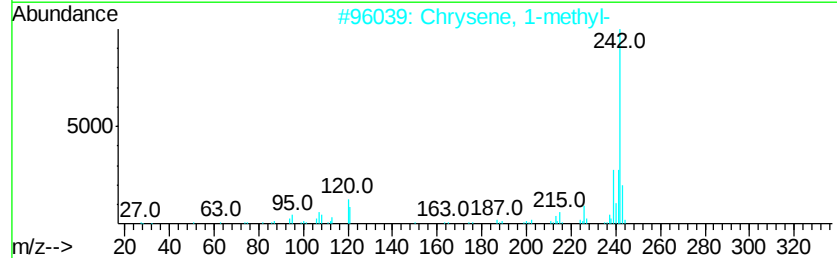
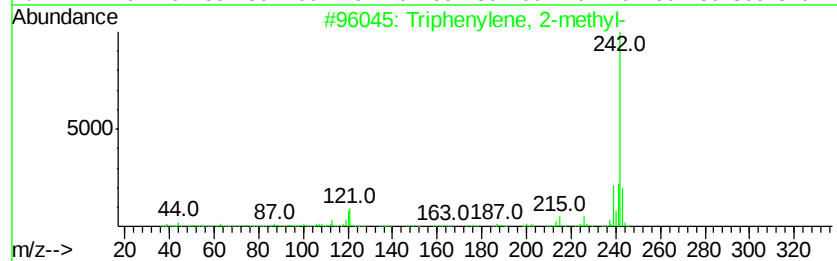
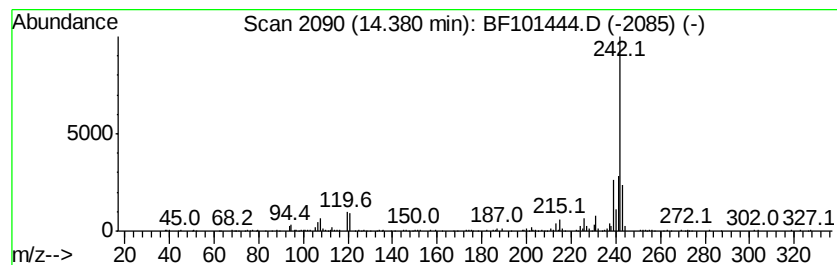
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Triphenylene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	2.63 ng	313443	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2		Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3		2-Methylchrysene	242	C19H14	003351-32-4	96
4		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5		Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
Operator : SJ/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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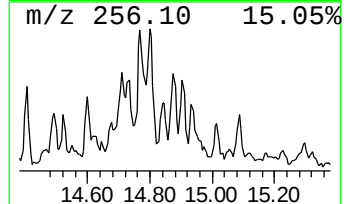
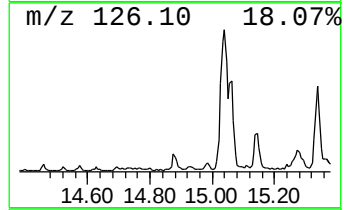
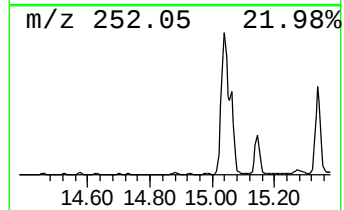
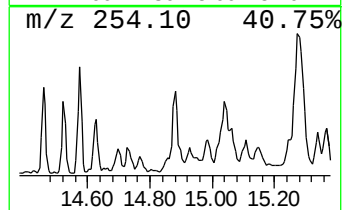
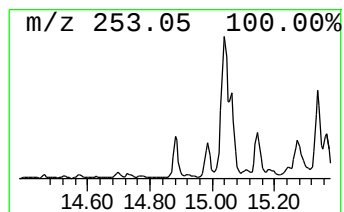
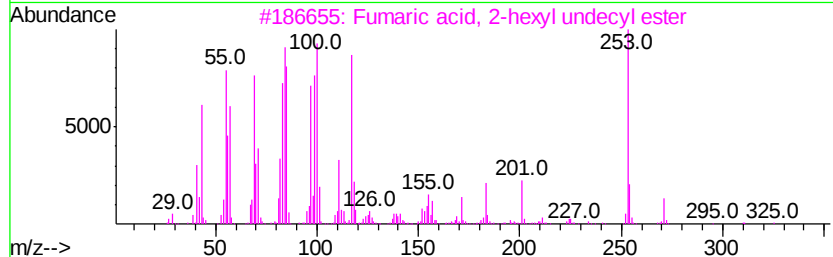
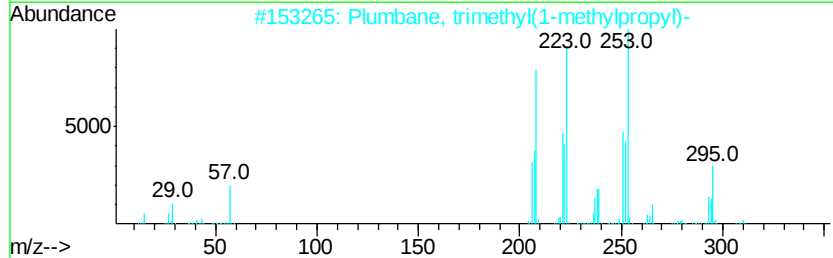
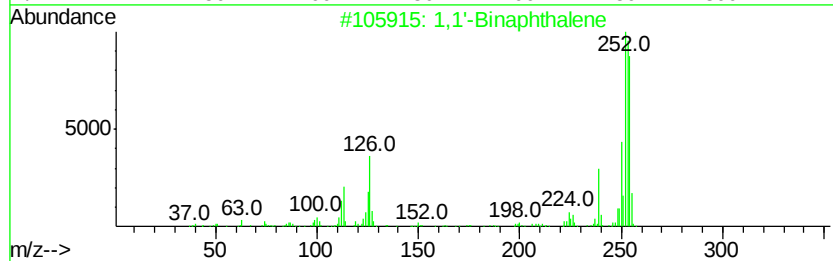
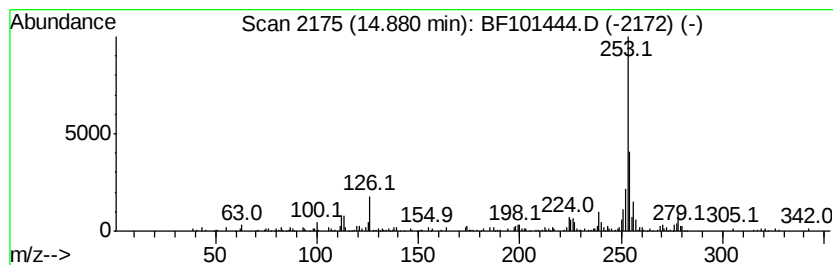
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown14.88 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	2.67 ng	125639	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	46
2		Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	43
3		Fumaric acid, 2-hexyl undecyl ester	354	C21H38O4	1000348-74-9	43
4		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	43
5		7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	40



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
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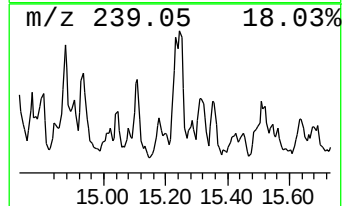
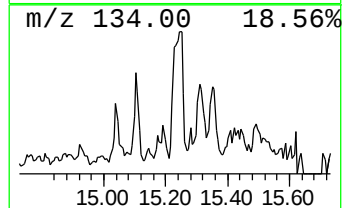
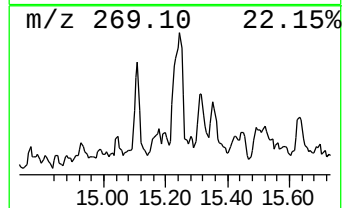
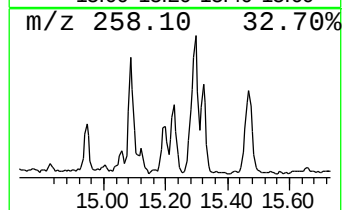
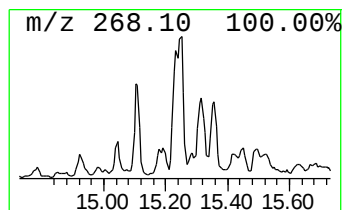
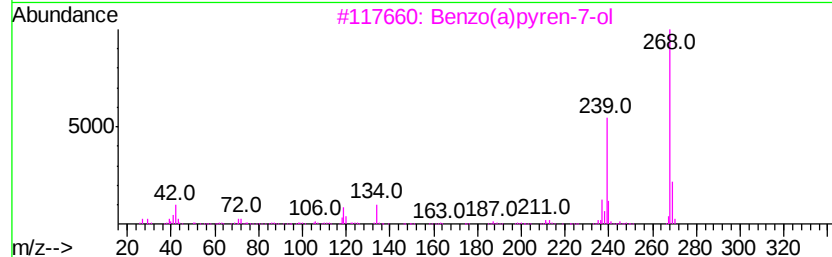
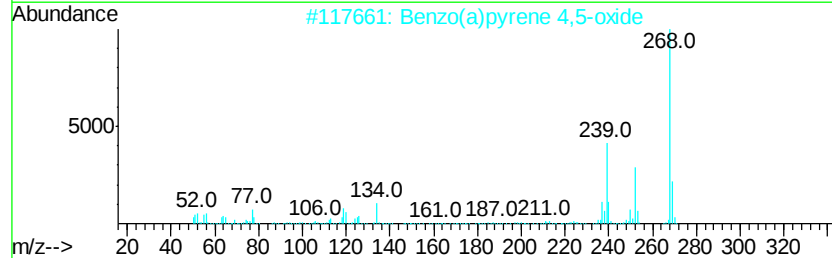
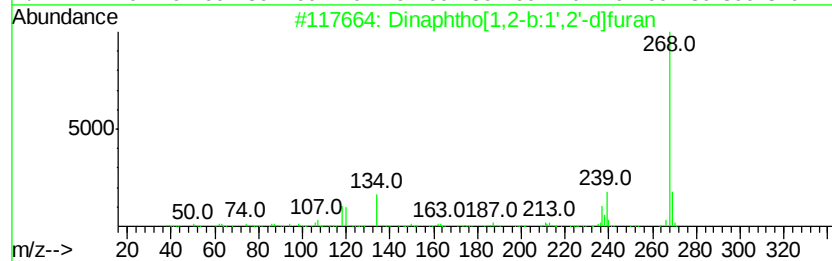
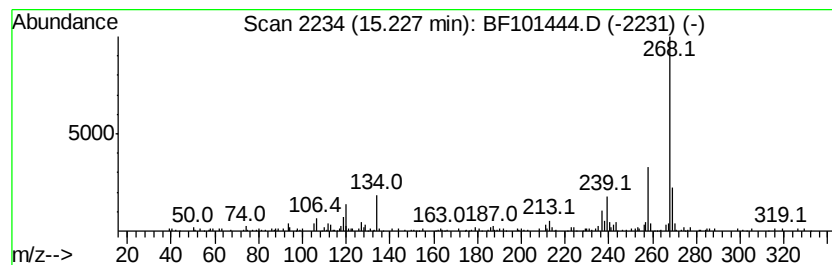
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	2.50 ng	117572	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
3		Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	62
4		9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
5		Acetic acid, perylen-3-yl ester	310	C22H14O2	1000311-67-7	53



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
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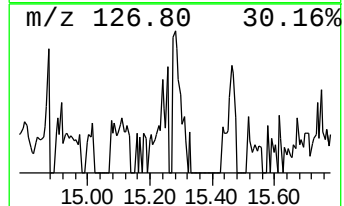
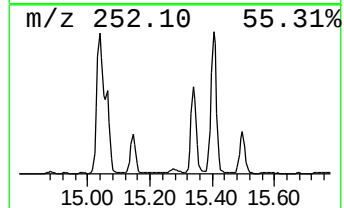
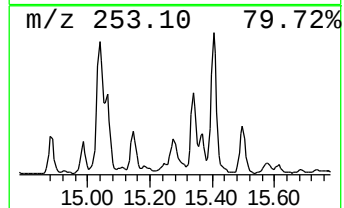
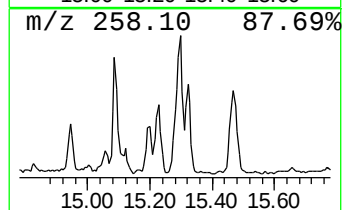
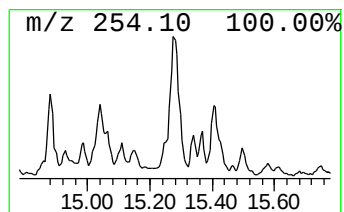
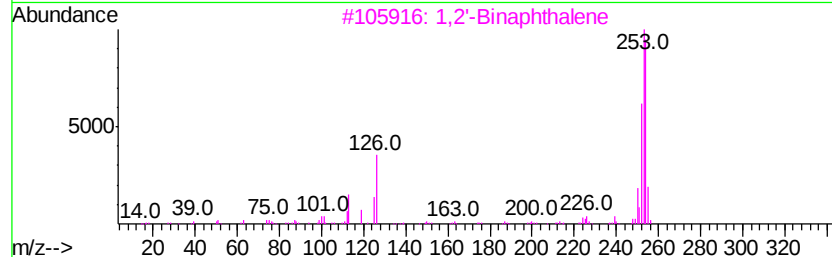
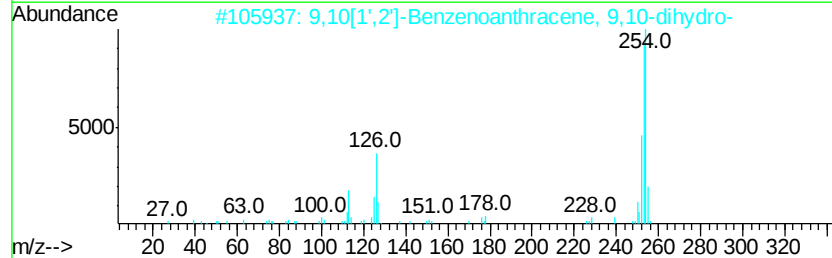
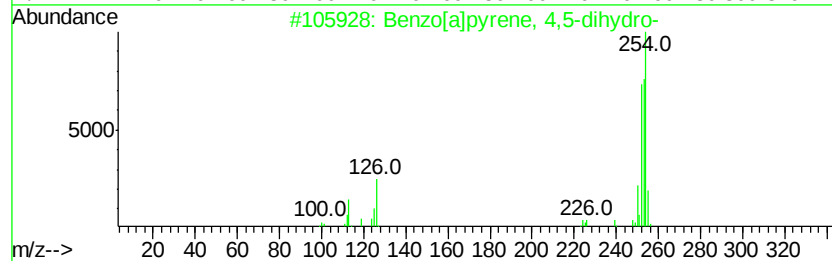
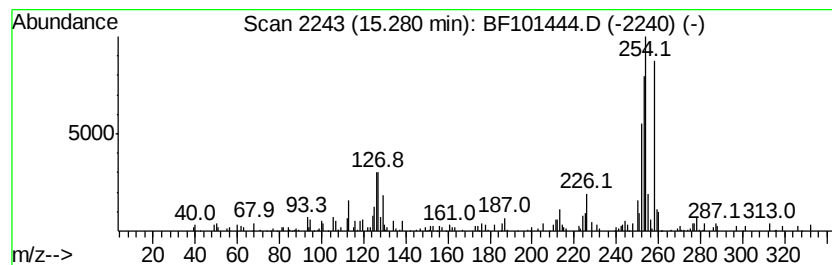
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	5.44 ng	256103	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[a]pyrene, 4,5-dihydro-	254 C20H14	057652-66-1 95
2		9,10[1',2']-Benzenoanthracene, 9...	254 C20H14	000477-75-8 90
3		1,2'-Binaphthalene	254 C20H14	004325-74-0 90
4		Benzo(a)pyrene, 7,8-dihydro-	254 C20H14	017573-23-8 70
5		1,1'-Binaphthalene	254 C20H14	000604-53-5 55



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
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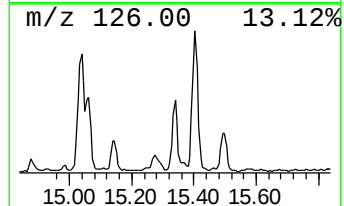
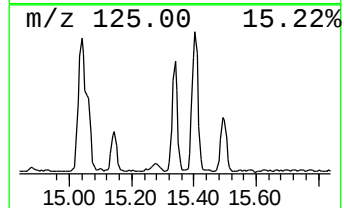
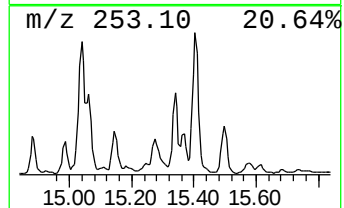
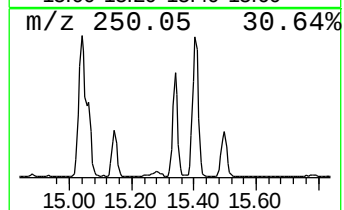
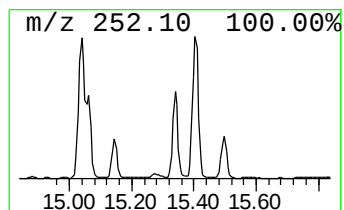
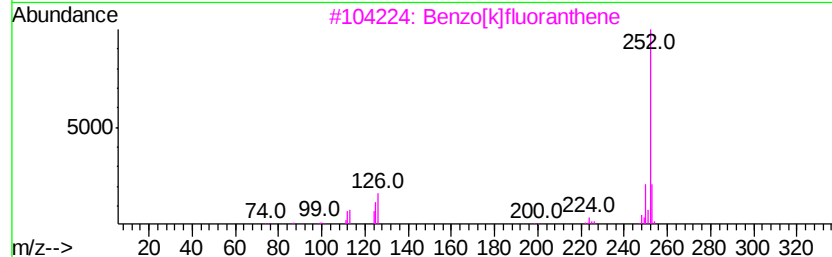
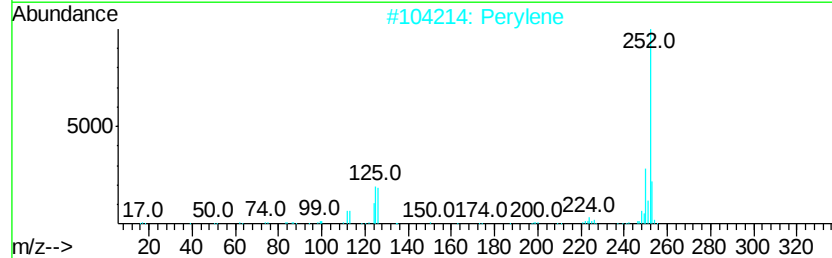
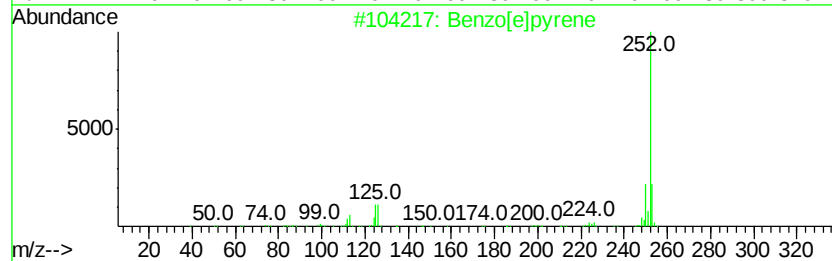
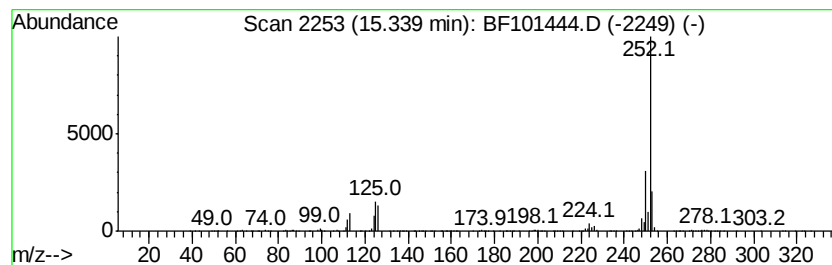
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ClientSampleId :
SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.34	19.67 ng	926629	Perylene-d12	15.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	99
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[i]fluoranthene	252	C20H12	000205-82-3	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
Operator : SJ/JU
Sample : I6877-02 20X
Misc :
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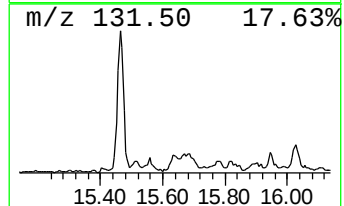
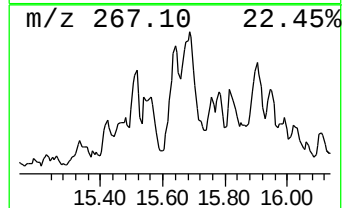
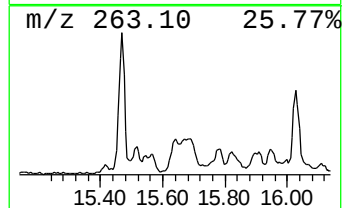
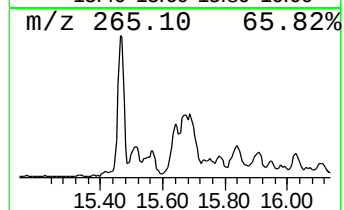
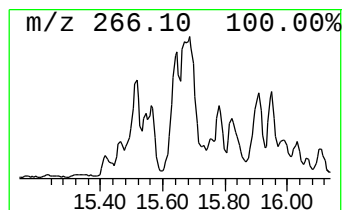
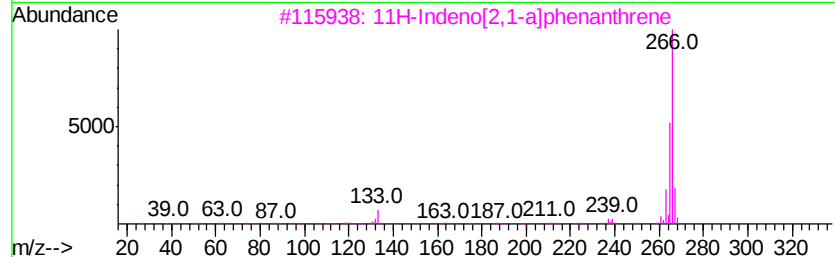
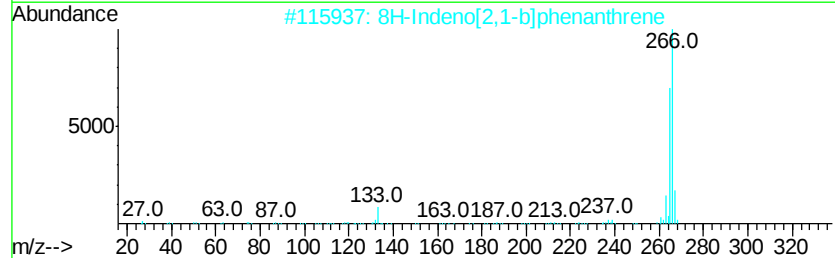
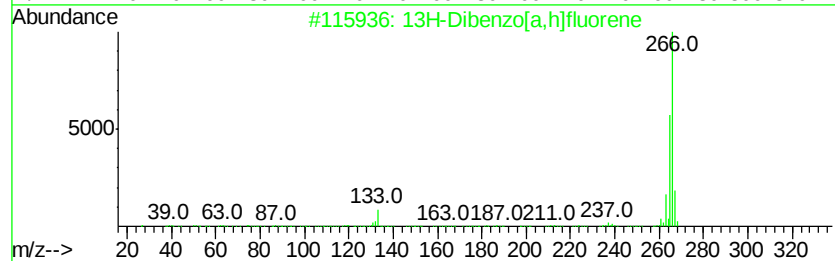
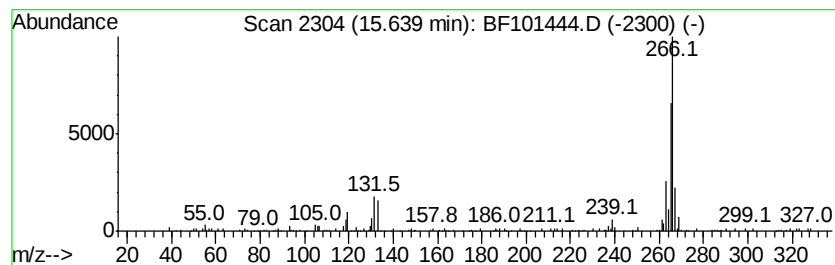
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 13H-Dibenzo[a,h]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.64	2.97 ng	140025	Perylene-d12		15.46	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	81
2		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	81
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	76
4		Perylene, 3-methyl-	266	C21H14	024471-47-4	64
5		Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	64



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
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Operator : SJ/JU
Sample : I6877-02 20X
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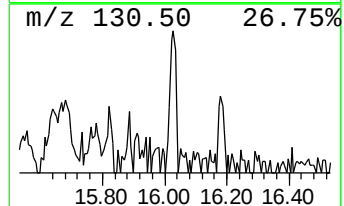
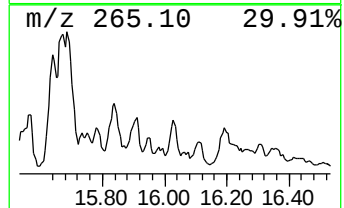
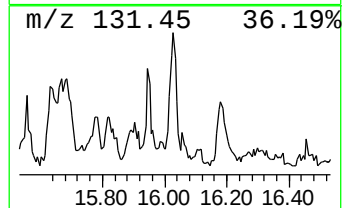
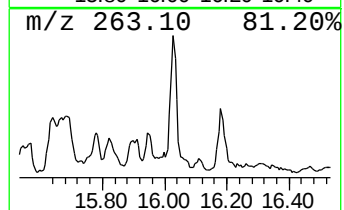
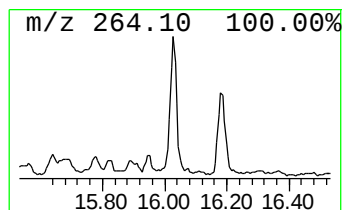
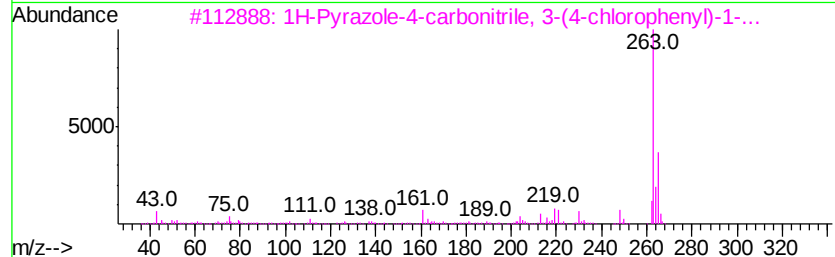
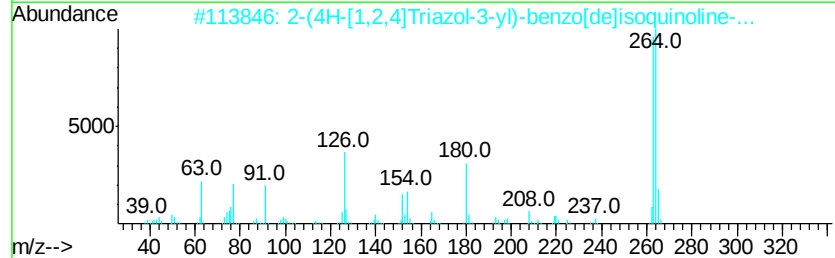
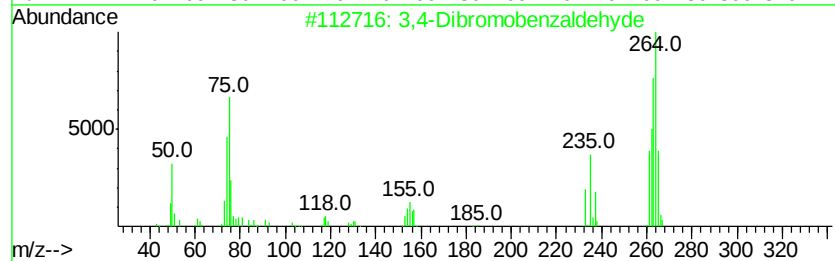
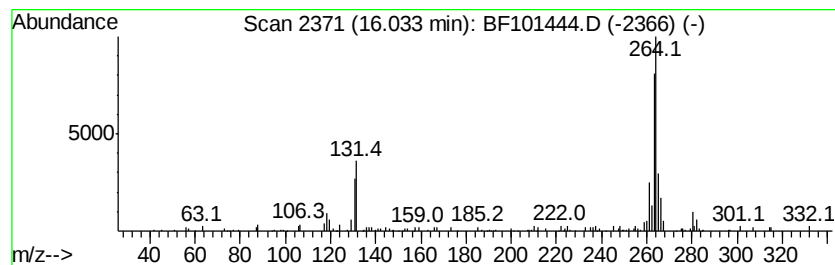
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 3,4-Dibromobenzaldehyde Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.80 ng	131697	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4-Dibromobenzaldehyde	262 C7H4Br2O	074003-55-7	64
2	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264 C14H8N4O2	1000318-09-6	50
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263 C12H10ClN3S	068364-67-0	38
4	Phenothiazine, 2-chloro-8-methoxy-	263 C13H10ClNOS	017800-09-8	35
5	Perylene-D12	264 C20D12	001520-96-3	35



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
Operator : SJ/JU
Sample : I6877-02 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(13-15)

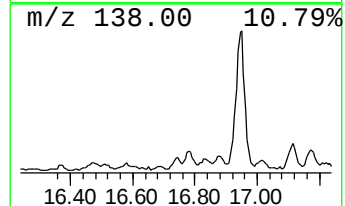
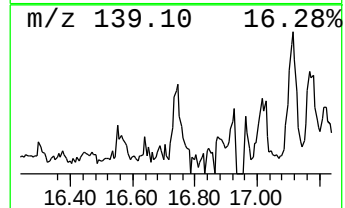
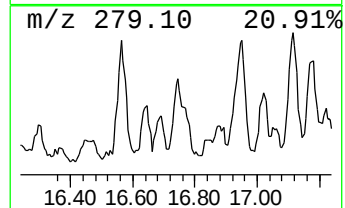
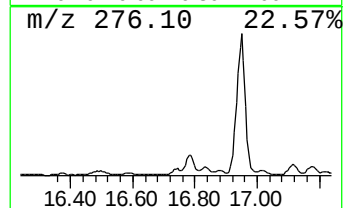
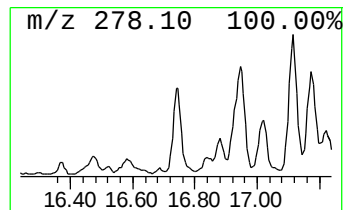
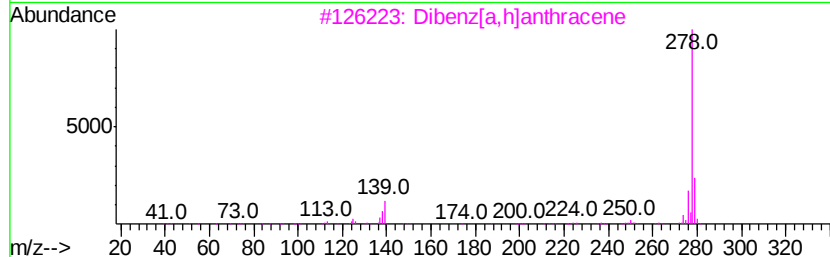
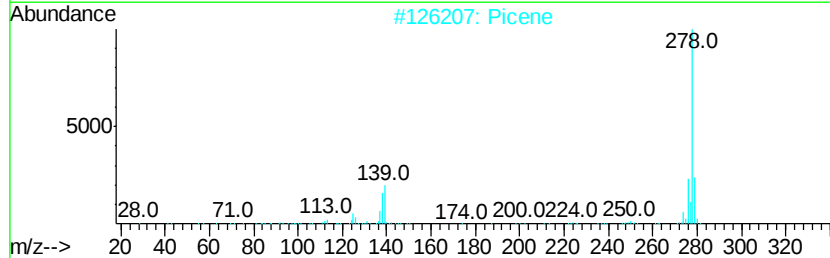
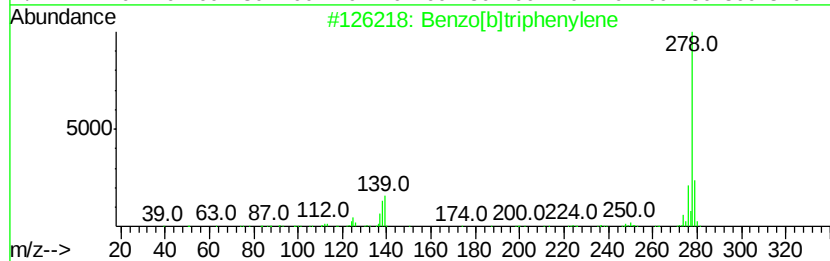
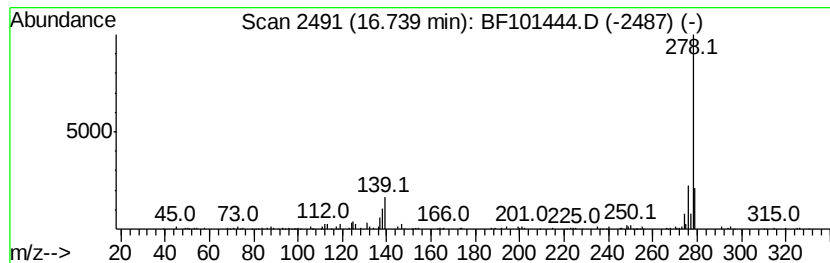
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	2.58 ng	121752	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
2		Picene	278	C22H14	000213-46-7	96
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		Pentacene	278	C22H14	000135-48-8	87



Data Path : Z:\HPCHEM1\BNA F\Data\BF121517\
Data File : BF101444.D
Acq On : 15 Dec 2017 15:51
Operator : SJ/JU
Sample : I6877-02 20X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-5(13-15)

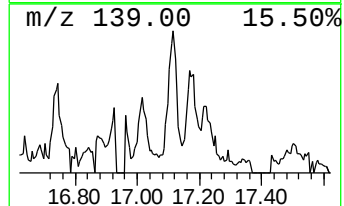
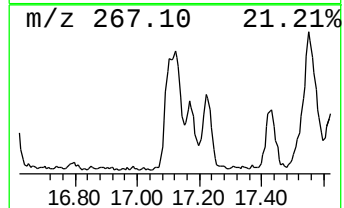
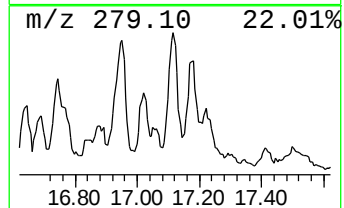
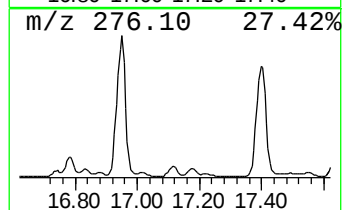
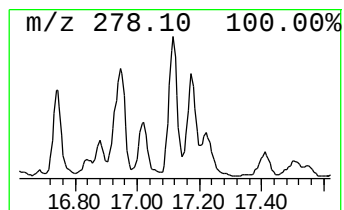
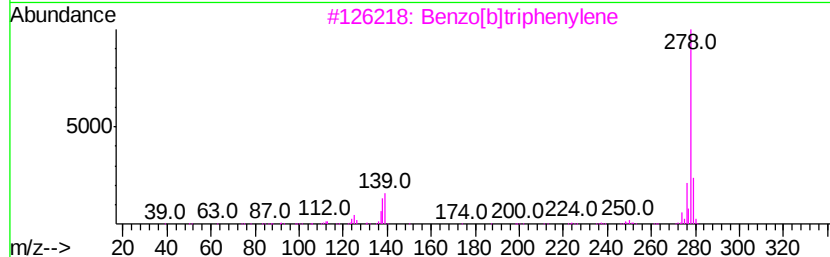
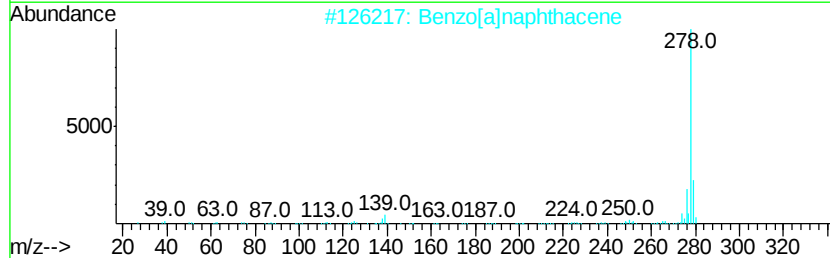
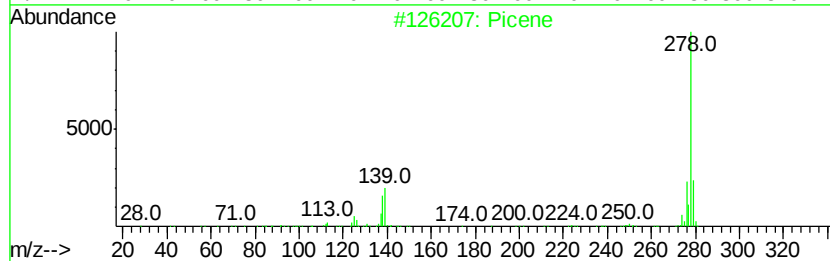
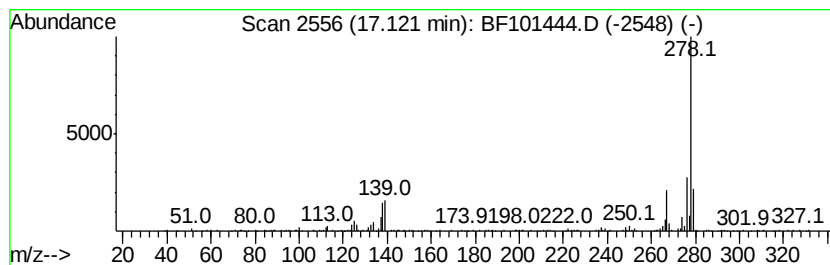
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	9.07 ng	427188	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	93
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	93
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Pentacene	278	C22H14	000135-48-8	86



Data Path : Z:\HPCHEM1\BNA_F\Data\BF121517\
 Data File : BF101444.D
 Acq On : 15 Dec 2017 15:51
 Operator : SJ/JU
 Sample : I6877-02 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(13-15)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.59	6.59	5.1 ng		283546	1	6.82	1117210	20.0
5H-Indeno[1,2-b]p...	11.59	2.6 ng		208234	4	11.35	1616830	20.0
4H-Cyclopenta[def...	11.96	2.6 ng		209976	4	11.35	1616830	20.0
11H-Benzo[b]fluorene	13.12	2.3 ng		277658	5	13.99	2381310	20.0
Cyclopenta(cd)pyr...	14.10	2.3 ng		271242	5	13.99	2381310	20.0
Triphenylene, 2-m...	14.38	2.6 ng		313443	5	13.99	2381310	20.0
unknown14.88	14.88	2.7 ng		125639	6	15.46	942051	20.0
Dinaphtho[1,2-b:1...	15.23	2.5 ng		117572	6	15.46	942051	20.0
Benzo[a]pyrene, 4...	15.28	5.4 ng		256103	6	15.46	942051	20.0
Benzo[e]pyrene	15.34	19.7 ng		926629	6	15.46	942051	20.0
13H-Dibenzo[a,h]f...	15.64	3.0 ng		140025	6	15.46	942051	20.0
3,4-Dibromobenzal...	16.03	2.8 ng		131697	6	15.46	942051	20.0
Benzo[b]triphenylene	16.74	2.6 ng		121752	6	15.46	942051	20.0
Picene	17.12	9.1 ng		427188	6	15.46	942051	20.0