

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101314.D
 Acq On : 12 Dec 2017 5:09
 Operator : SJ/JU
 Sample : I6764-01 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-8-E(0-1)

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	5.445	568	571	585	rBV	438047	458792	32.51%	2.342%
2	6.463	741	744	759	rBV	474750	498647	35.34%	2.545%
3	6.598	764	767	771	rBV	567281	488279	34.60%	2.492%
4	6.828	803	806	813	rBB	307253	248270	17.59%	1.267%
5	6.986	829	833	843	rBB	435432	395100	28.00%	2.017%
6	7.392	899	902	908	rBV	309090	266464	18.88%	1.360%
7	8.110	1021	1024	1032	rBV	347582	311397	22.07%	1.589%
8	9.186	1203	1207	1210	rBV	700889	553616	39.23%	2.826%
9	9.580	1267	1274	1275	rBV2	55053	63039	4.47%	0.322%
10	9.733	1296	1300	1304	rBV	111788	105479	7.48%	0.538%
11	9.869	1320	1323	1327	rBV	339281	280224	19.86%	1.430%
12	10.180	1372	1376	1380	rBV2	42132	50667	3.59%	0.259%
13	10.422	1414	1417	1421	rVB3	29092	39861	2.82%	0.203%
14	10.527	1433	1435	1439	rVV3	30339	36821	2.61%	0.188%
15	10.663	1451	1458	1467	rVB2	272155	269760	19.12%	1.377%
16	10.780	1472	1478	1484	rVB4	31267	68816	4.88%	0.351%
17	10.969	1505	1510	1513	rBV3	26603	32013	2.27%	0.163%
18	11.092	1526	1531	1534	rVV5	24586	46326	3.28%	0.236%
19	11.116	1534	1535	1541	rVV4	31819	41479	2.94%	0.212%
20	11.169	1541	1544	1548	rVV2	45488	54589	3.87%	0.279%
21	11.210	1548	1551	1554	rVV2	27566	35568	2.52%	0.182%
22	11.363	1573	1577	1579	rBV	327967	277867	19.69%	1.418%
23	11.386	1579	1581	1584	rVV	426991	330343	23.41%	1.686%
24	11.439	1586	1590	1592	rBV	263976	216007	15.31%	1.103%
25	11.598	1613	1617	1622	rBV4	25644	58209	4.13%	0.297%
26	11.692	1631	1633	1638	rVB2	35813	41545	2.94%	0.212%
27	11.863	1659	1662	1665	rBV	135216	124429	8.82%	0.635%
28	11.892	1665	1667	1671	rVB	183090	154633	10.96%	0.789%
29	11.939	1671	1675	1678	rBV	118552	116321	8.24%	0.594%
30	11.974	1678	1681	1684	rVV2	236029	280078	19.85%	1.430%
31	11.998	1684	1685	1690	rVB	140293	98595	6.99%	0.503%
32	12.098	1699	1702	1705	rBV2	38702	33895	2.40%	0.173%
33	12.157	1708	1712	1716	rBV3	103327	116968	8.29%	0.597%
34	12.192	1716	1718	1722	rVB2	66069	69625	4.93%	0.355%

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35	12.292	1732	1735	1736	rBV2	43489	38038	2.70%	0.194%
36	12.339	1741	1743	1745	rVB	56844	39769	2.82%	0.203%
37	12.363	1745	1747	1750	rVB2	57743	51764	3.67%	0.264%
38	12.416	1753	1756	1759	rBV	232571	227834	16.15%	1.163%
39	12.457	1759	1763	1765	rVV2	113482	141373	10.02%	0.722%
40	12.474	1765	1766	1768	rVB	76731	38329	2.72%	0.196%
41	12.510	1768	1772	1776	rBV3	137007	181064	12.83%	0.924%
42	12.586	1780	1785	1788	rBV	1123800	1080050	76.54%	5.513%
43	12.621	1788	1791	1793	rBV2	57039	43566	3.09%	0.222%
44	12.645	1793	1795	1798	rVB2	65737	53100	3.76%	0.271%
45	12.680	1798	1801	1803	rBV	46446	41047	2.91%	0.210%
46	12.733	1806	1810	1812	rBV3	64878	77684	5.51%	0.397%
47	12.757	1812	1814	1817	rVB3	53216	49863	3.53%	0.255%
48	12.821	1817	1825	1829	rBV	1178354	1411080	100.00%	7.203%
49	12.863	1829	1832	1836	rVB2	130098	137597	9.75%	0.702%
50	12.945	1839	1846	1849	rBV	541664	541718	38.39%	2.765%
51	12.968	1849	1850	1856	rVB2	85800	75038	5.32%	0.383%
52	13.027	1856	1860	1867	rBV4	169940	330216	23.40%	1.686%
53	13.086	1867	1870	1872	rBV	49626	43222	3.06%	0.221%
54	13.121	1872	1876	1877	rBV2	151089	194047	13.75%	0.990%
55	13.139	1877	1879	1882	rVB	230563	214211	15.18%	1.093%
56	13.204	1888	1890	1893	rBV	99636	91044	6.45%	0.465%
57	13.245	1893	1897	1901	rBV2	253610	258330	18.31%	1.319%
58	13.339	1910	1913	1916	rBV	260396	235622	16.70%	1.203%
59	13.368	1916	1918	1921	rVB	227948	198322	14.05%	1.012%
60	13.398	1921	1923	1927	rVB4	36322	43705	3.10%	0.223%
61	13.457	1930	1933	1936	rVB2	60649	61366	4.35%	0.313%
62	13.492	1936	1939	1940	rBV3	36495	35870	2.54%	0.183%
63	13.515	1940	1943	1945	rBV3	41841	47840	3.39%	0.244%
64	13.586	1953	1955	1958	rVB4	45229	39945	2.83%	0.204%
65	13.627	1960	1962	1964	rVV3	46182	50315	3.57%	0.257%
66	13.657	1964	1967	1970	rVV	195179	184941	13.11%	0.944%
67	13.710	1974	1976	1980	rVB	67684	66033	4.68%	0.337%
68	13.762	1980	1985	1988	rBV3	191783	294309	20.86%	1.502%
69	13.786	1988	1989	1992	rVB	130692	92573	6.56%	0.473%
70	13.821	1992	1995	1996	rBV	107439	118542	8.40%	0.605%
71	13.868	2000	2003	2006	rVB	141731	124653	8.83%	0.636%

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72	14.010	2023	2027	2031	rBV2	741146	1053578	74.66%	5.378%
73	14.045	2031	2033	2036	rVV	673308	562743	39.88%	2.872%
74	14.098	2040	2042	2044	rBV	62163	53765	3.81%	0.274%
75	14.127	2044	2047	2049	rBV	108231	93579	6.63%	0.478%
76	14.174	2052	2055	2059	rBV3	62150	108744	7.71%	0.555%
77	14.245	2063	2067	2069	rBV2	56542	72499	5.14%	0.370%
78	14.274	2069	2072	2075	rVB3	50057	55174	3.91%	0.282%
79	14.333	2079	2082	2085	rBV2	54369	51144	3.62%	0.261%
80	14.368	2085	2088	2089	rBV	101539	91447	6.48%	0.467%
81	14.404	2089	2094	2097	rBV	259207	263137	18.65%	1.343%
82	14.439	2097	2100	2102	rVB	146617	111325	7.89%	0.568%
83	14.480	2104	2107	2109	rBV2	75774	82457	5.84%	0.421%
84	14.504	2109	2111	2113	rVB2	71653	59335	4.20%	0.303%
85	14.533	2113	2116	2117	rBV	162487	143218	10.15%	0.731%
86	14.598	2123	2127	2130	rVB2	87253	112429	7.97%	0.574%
87	14.792	2158	2160	2162	rBV	42366	40989	2.90%	0.209%
88	14.904	2176	2179	2182	rBV2	116458	121583	8.62%	0.621%
89	15.074	2203	2208	2210	rBV	479307	710679	50.36%	3.628%
90	15.174	2222	2225	2229	rBV	113653	125044	8.86%	0.638%
91	15.374	2255	2259	2265	rVB	332135	426757	30.24%	2.178%
92	15.445	2265	2271	2274	rBV	452363	596910	42.30%	3.047%
93	15.498	2277	2280	2283	rVV	125995	156956	11.12%	0.801%
94	15.533	2283	2286	2291	rVB2	133705	191709	13.59%	0.979%
95	16.074	2374	2378	2381	rVB2	48416	59205	4.20%	0.302%
96	16.603	2464	2468	2472	rBV4	40298	58129	4.12%	0.297%
97	16.998	2528	2535	2541	rVB	219826	426694	30.24%	2.178%
98	17.168	2561	2564	2569	rVB2	44077	61413	4.35%	0.313%
99	17.456	2606	2613	2620	rVB	160357	340102	24.10%	1.736%
100	17.692	2647	2653	2664	rBV2	49910	142658	10.11%	0.728%

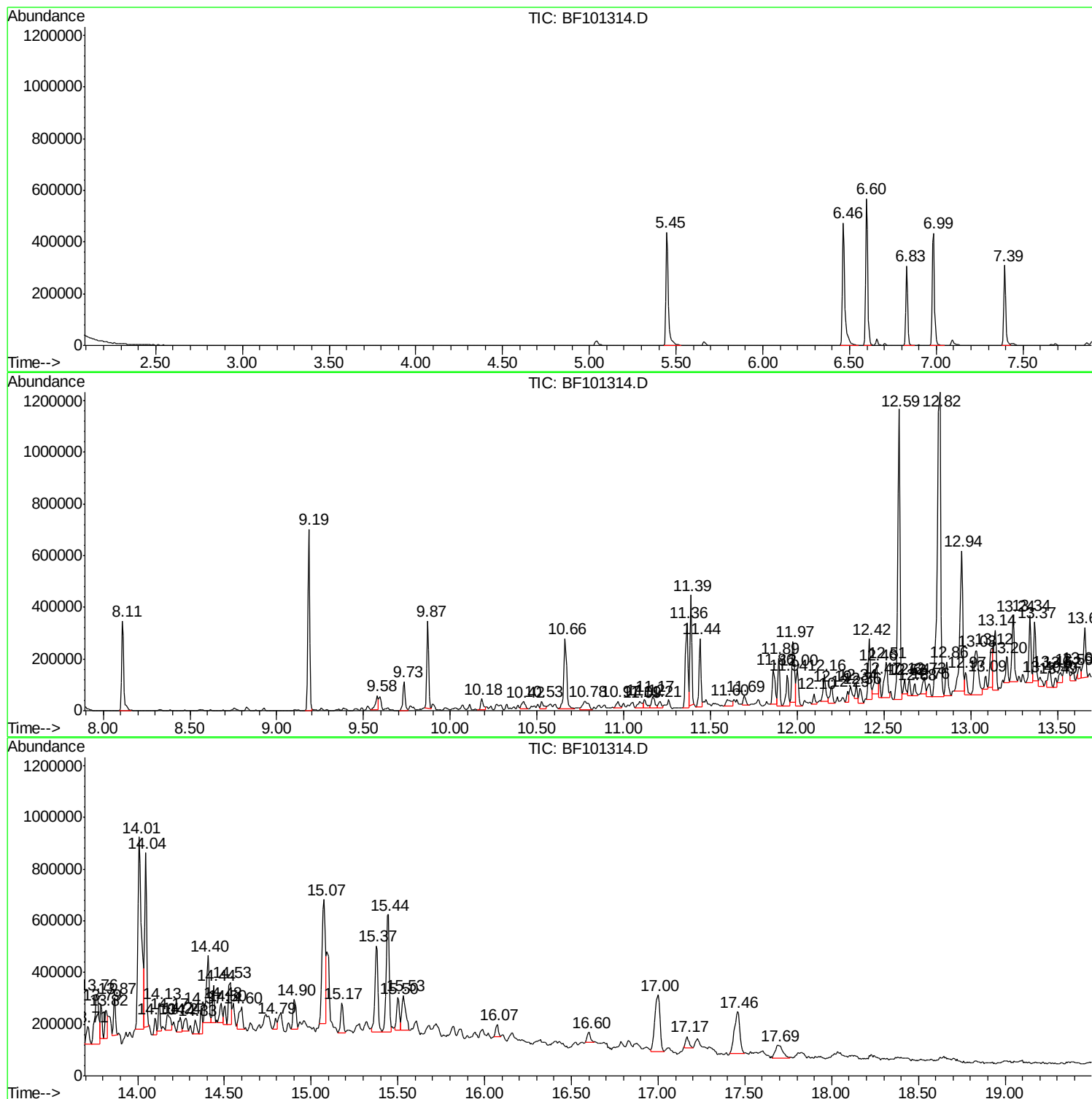
Sum of corrected areas: 19591144

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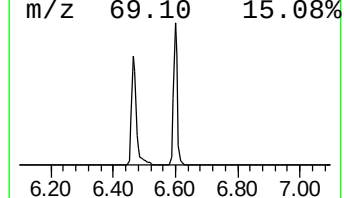
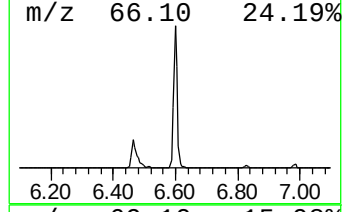
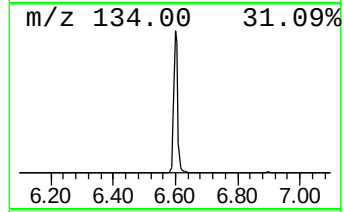
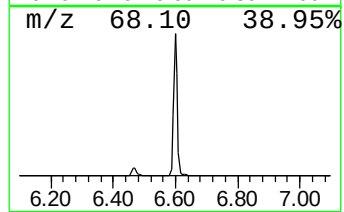
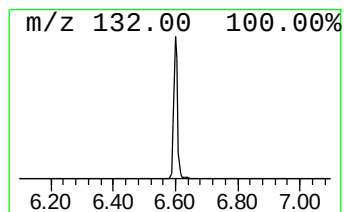
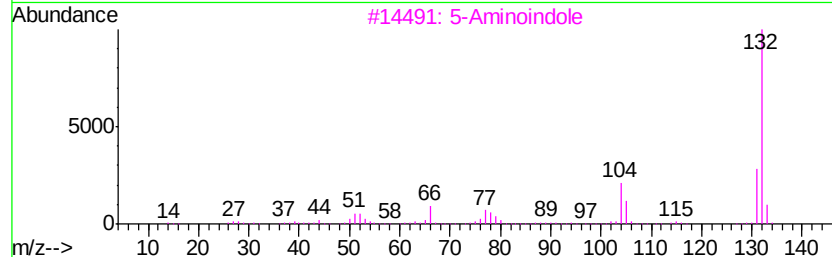
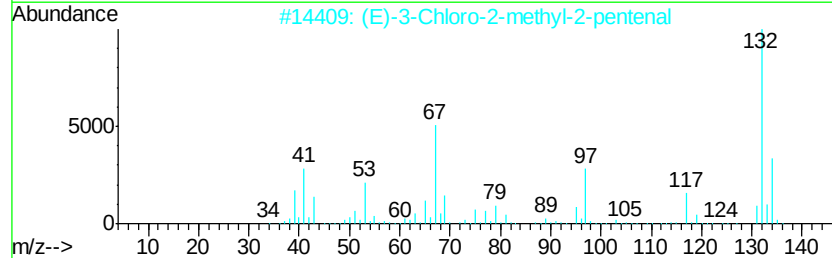
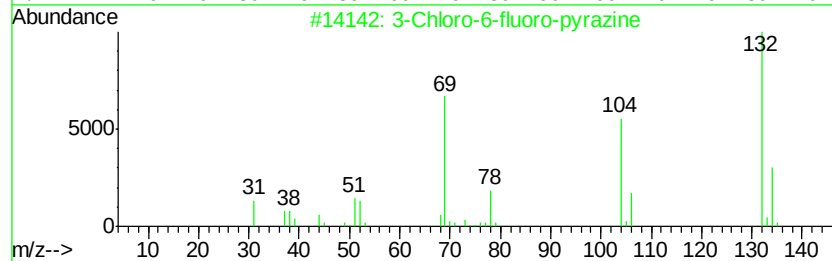
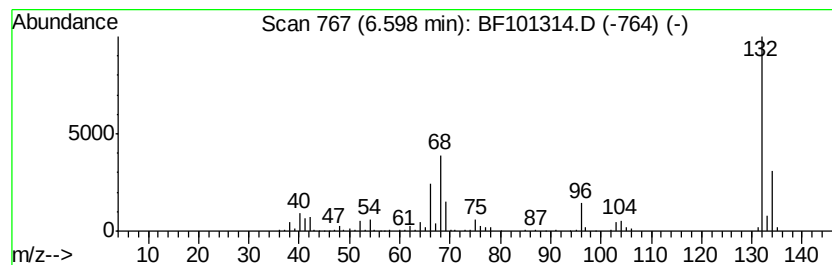
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	39.33 ng	488279	1,4-Dichlorobenzene-d4	6.83

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	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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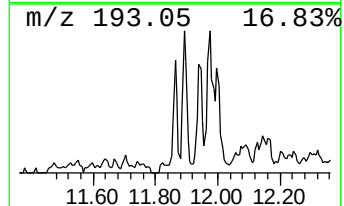
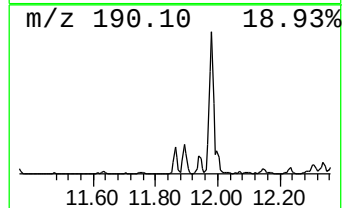
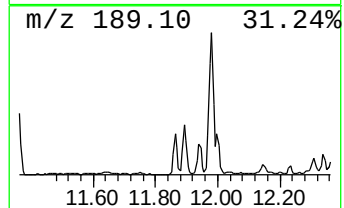
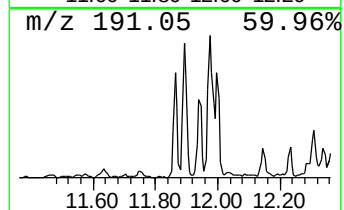
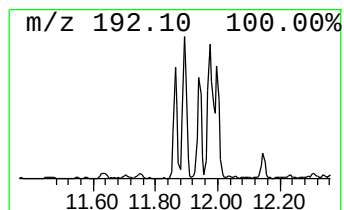
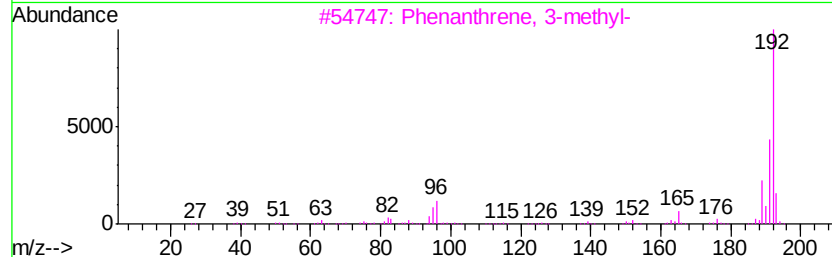
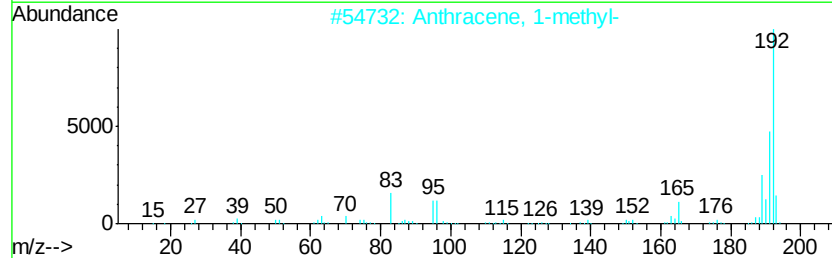
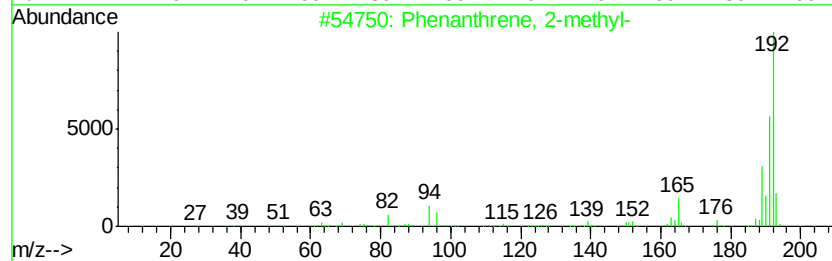
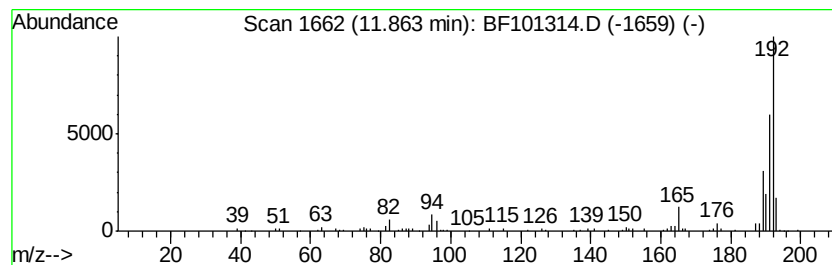
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.86	8.96 ng	124429	Phenanthrene-d10		11.36	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81



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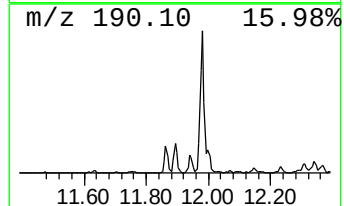
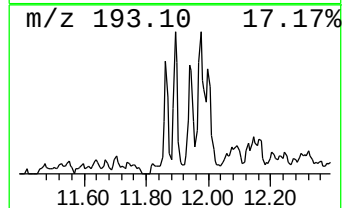
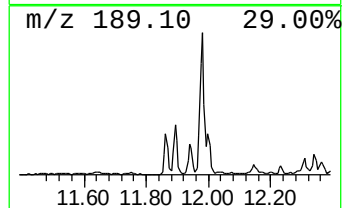
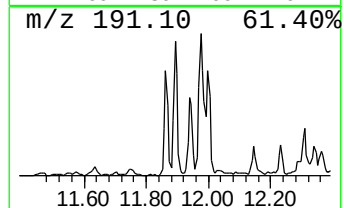
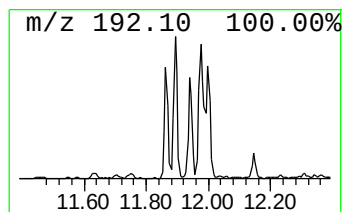
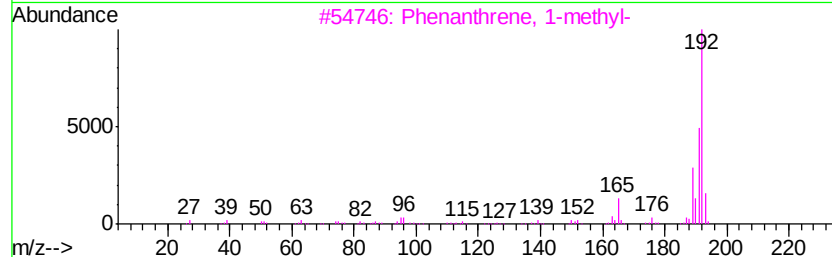
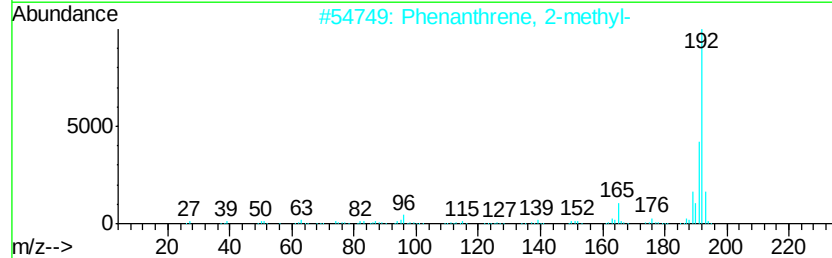
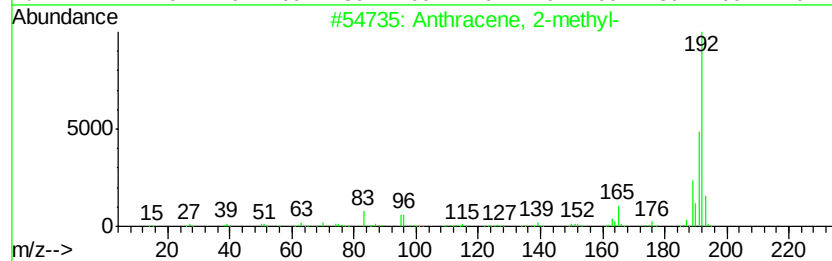
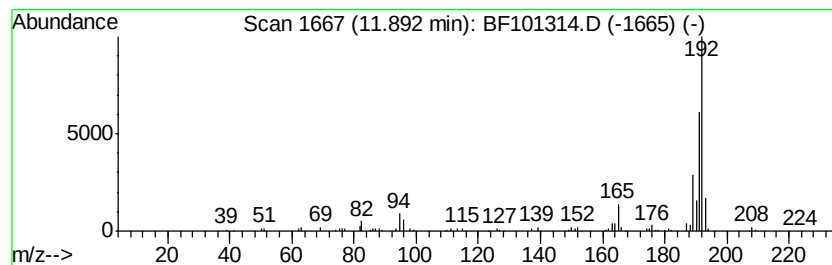
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	11.13 ng	154633	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
Operator : SJ/JU
Sample : I6764-01 2X
Misc :
ALS Vial : 36 Sample Multiplier: 1

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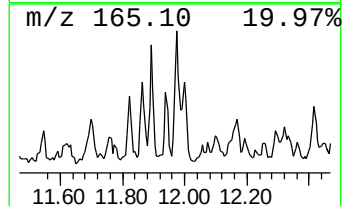
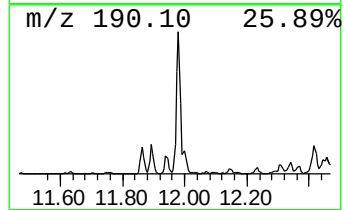
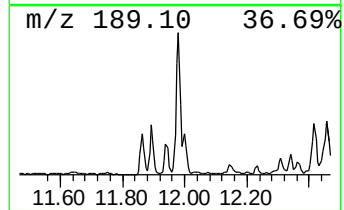
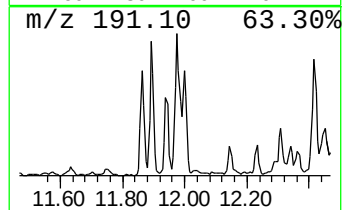
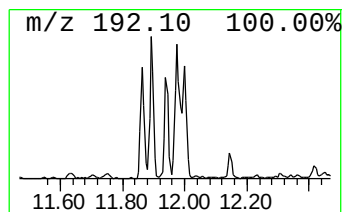
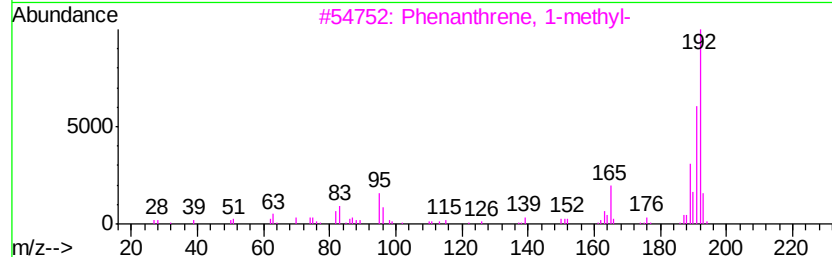
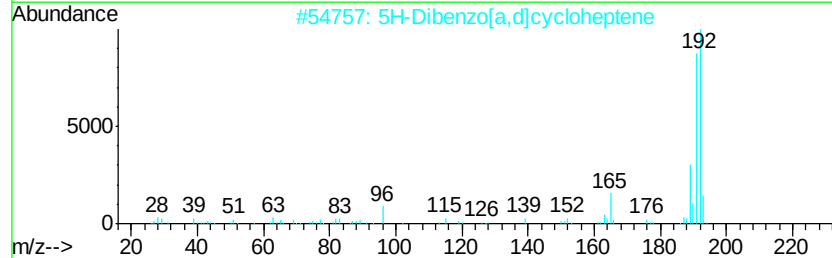
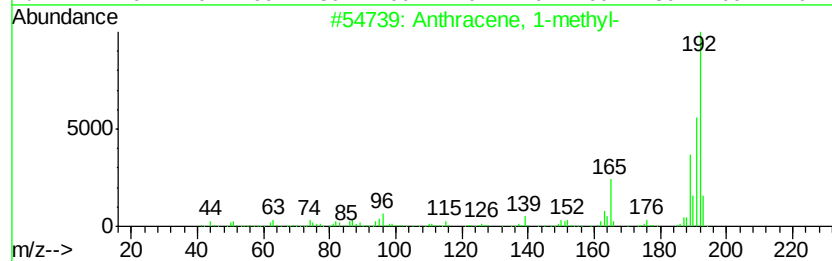
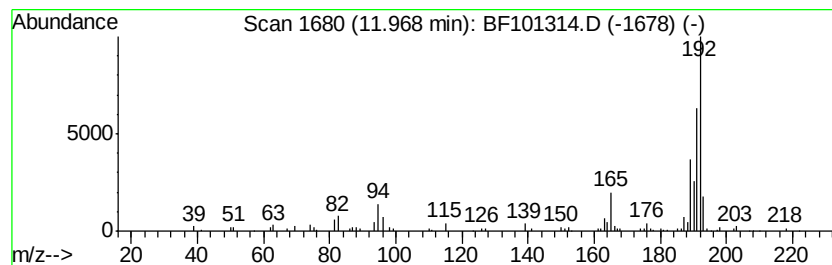
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	20.16 ng	280078	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
Operator : SJ/JU
Sample : I6764-01 2X
Misc :
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Instrument :
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ClientSampleId :
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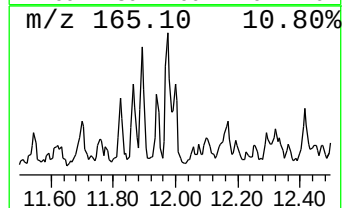
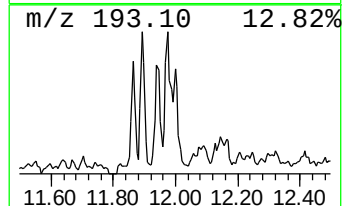
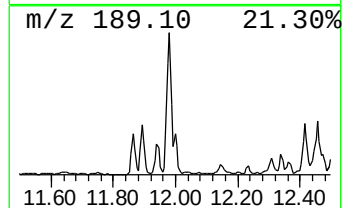
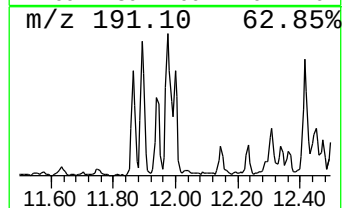
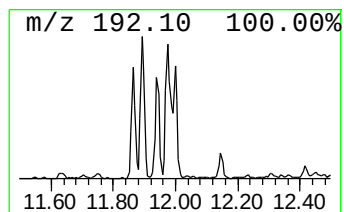
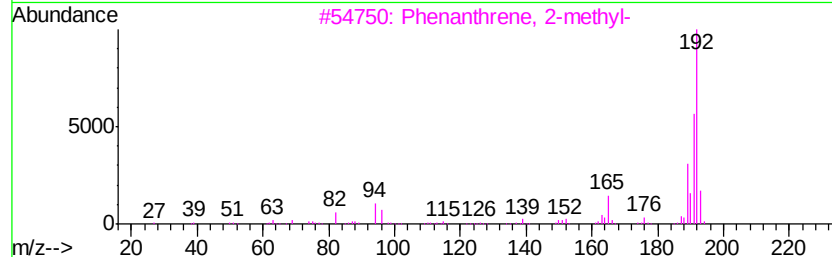
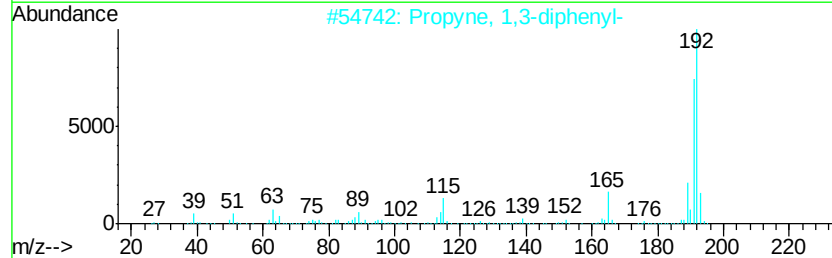
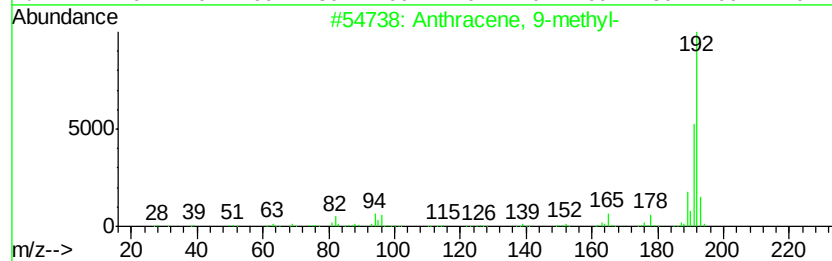
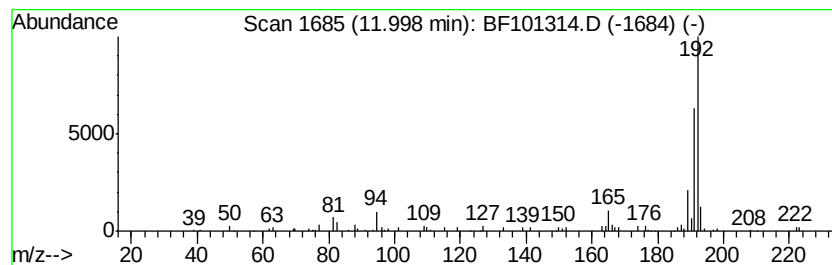
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.10 ng	98595	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	76
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101314.D
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Sample : I6764-01 2X
Misc :
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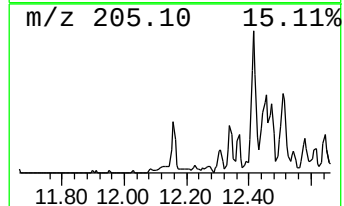
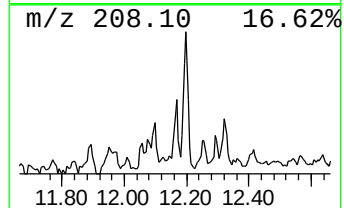
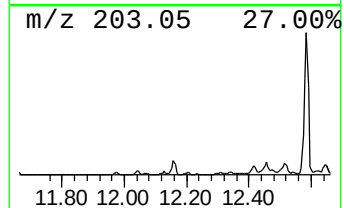
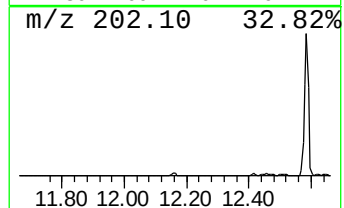
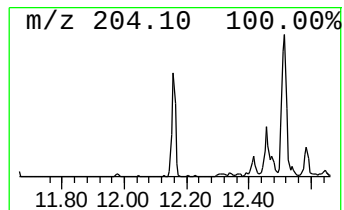
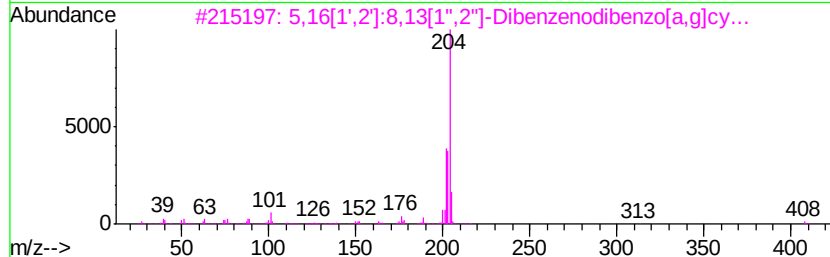
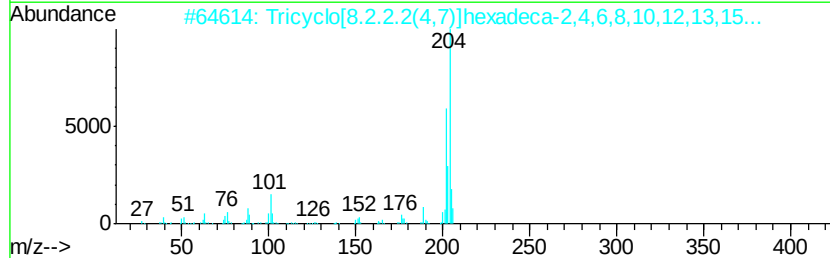
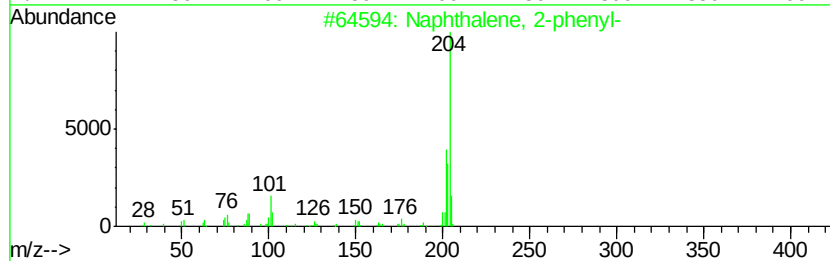
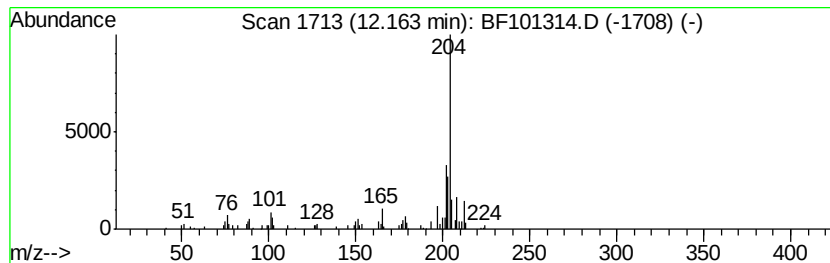
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.16	8.42 ng	116968	Phenanthrene-d10		11.36		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3			5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
4			Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5			6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
Operator : SJ/JU
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Instrument :
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ClientSampleId :
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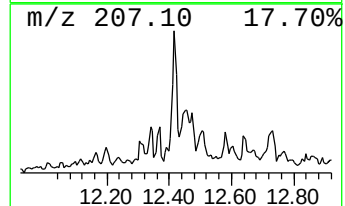
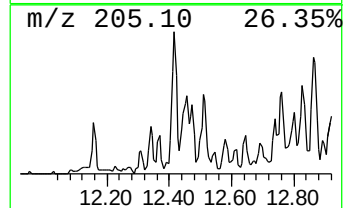
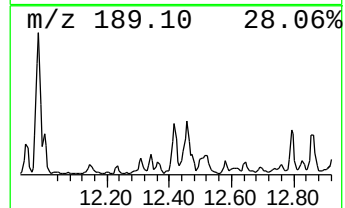
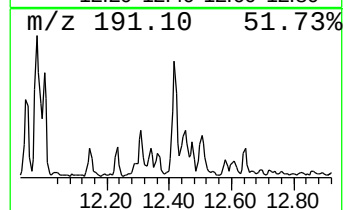
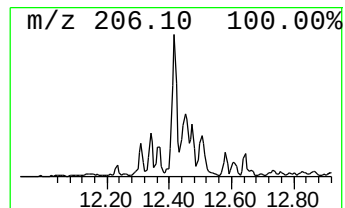
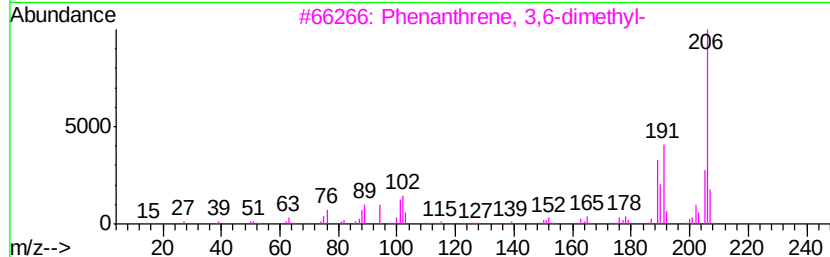
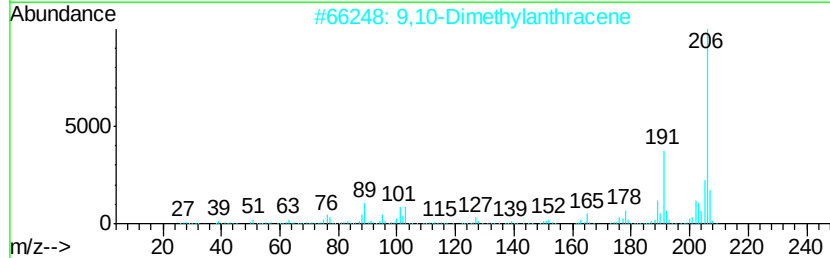
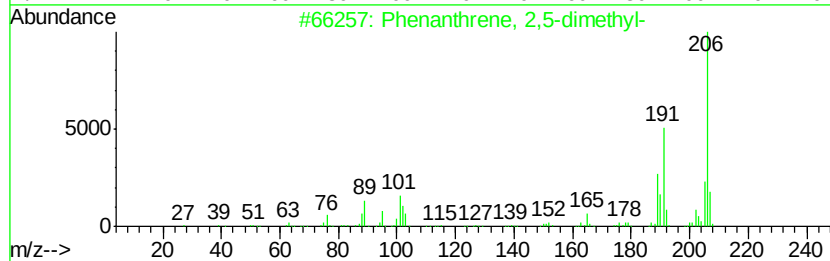
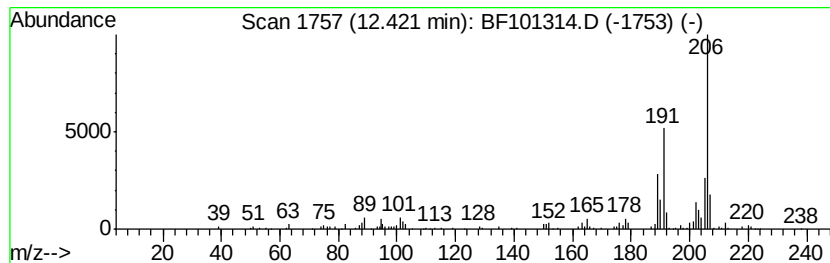
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	16.40 ng	227834	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
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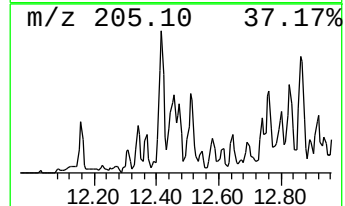
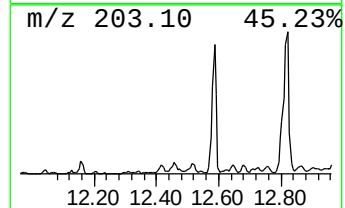
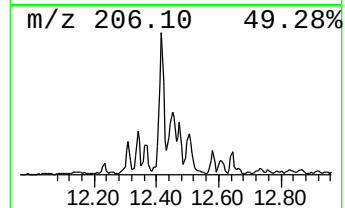
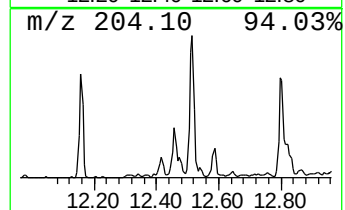
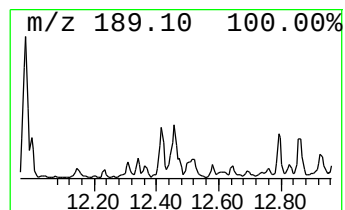
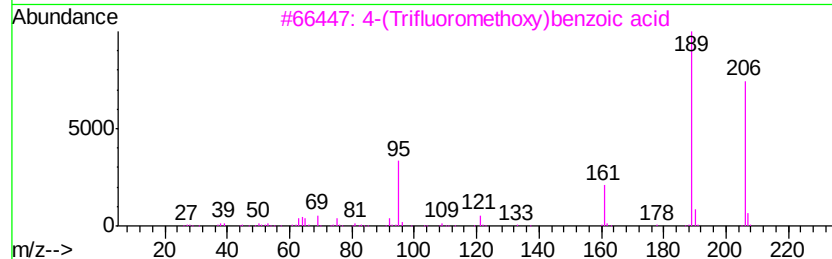
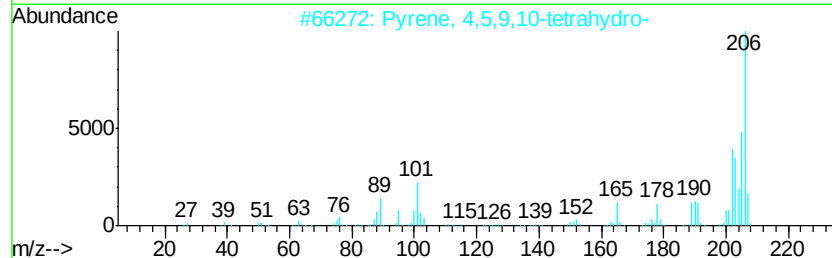
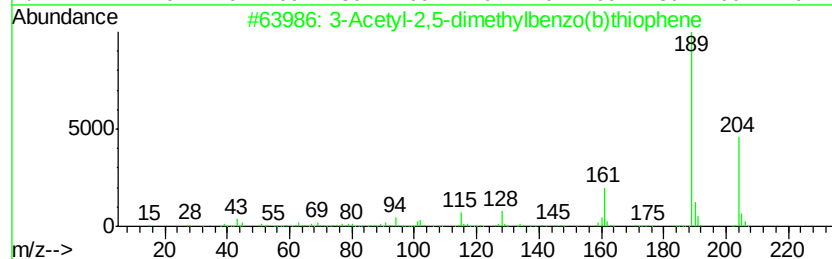
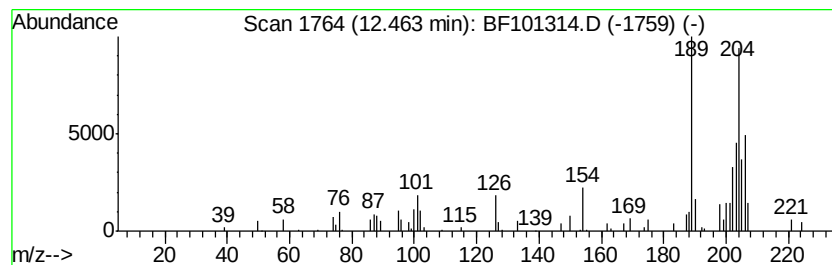
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.46 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.46	10.18 ng	141373	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	35
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
3	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	27
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101314.D
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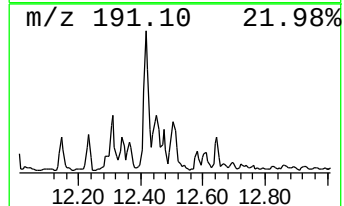
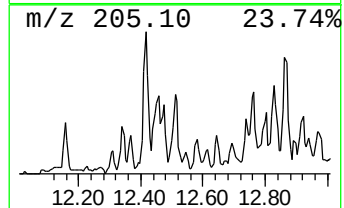
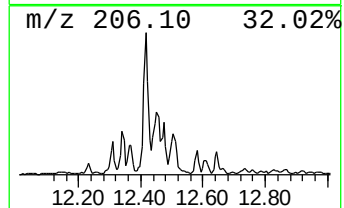
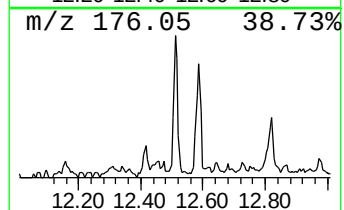
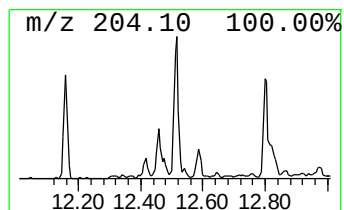
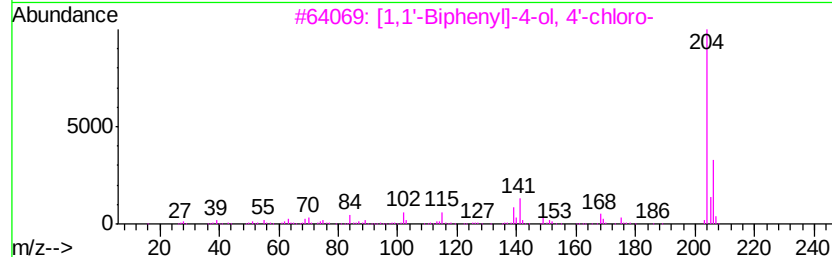
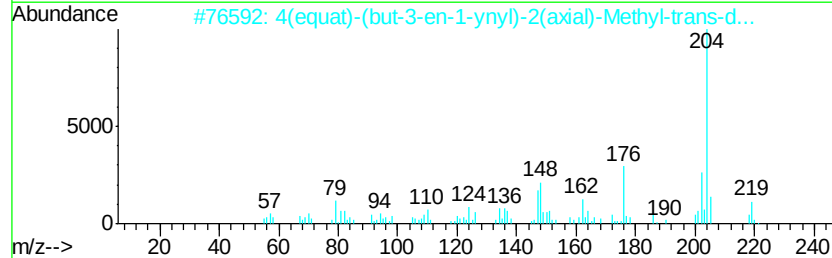
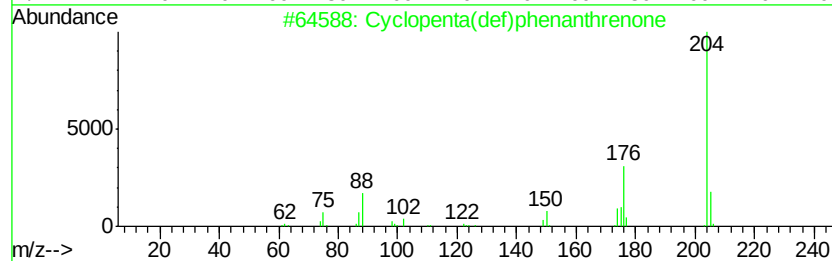
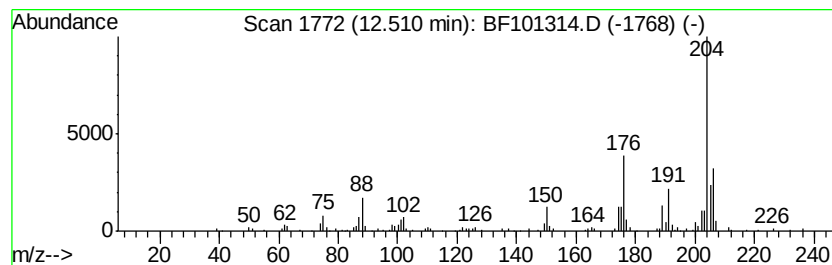
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	13.03 ng	181064	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	47
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
5		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
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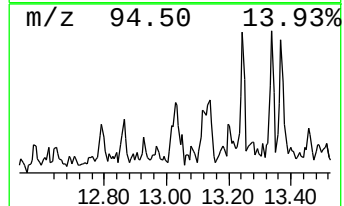
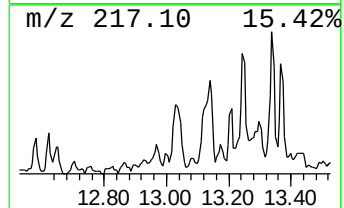
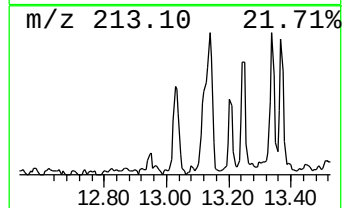
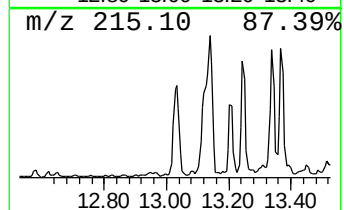
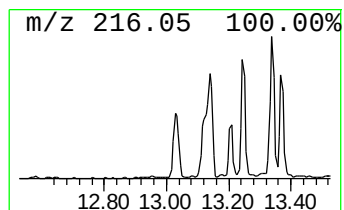
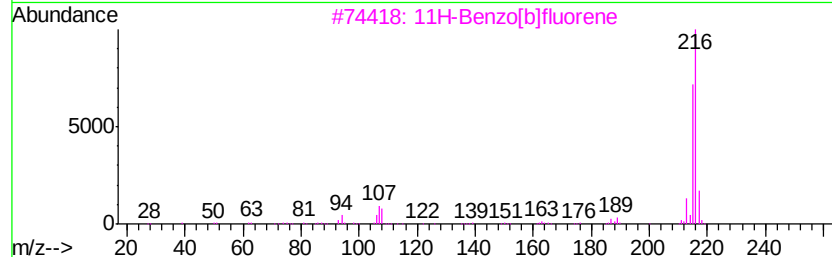
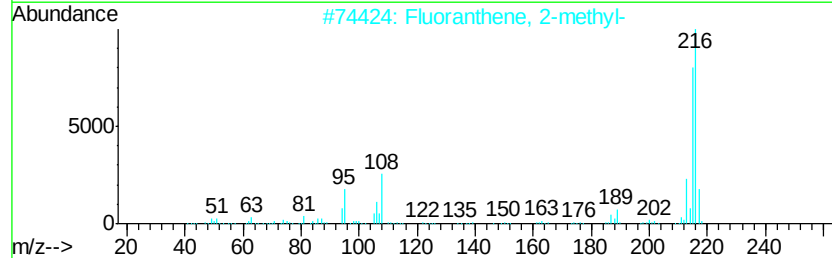
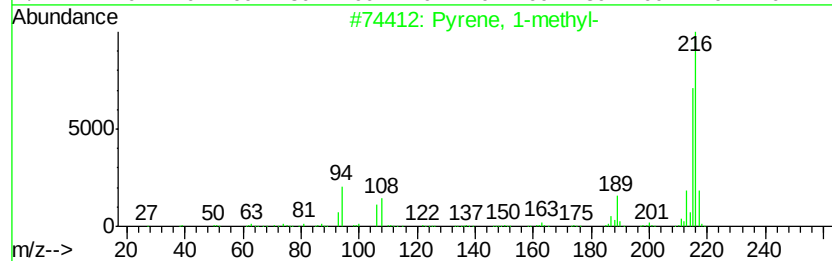
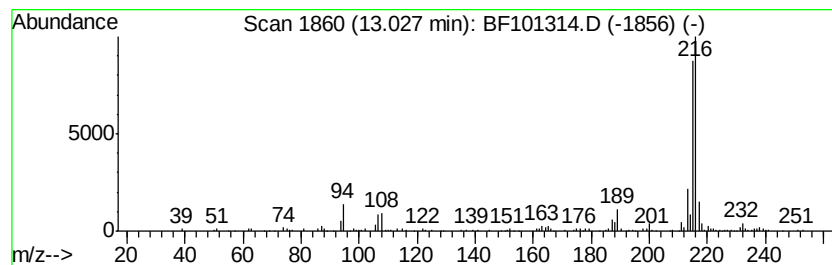
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.03	6.27 ng	330216	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
Operator : SJ/JU
Sample : I6764-01 2X
Misc :
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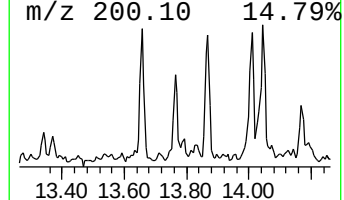
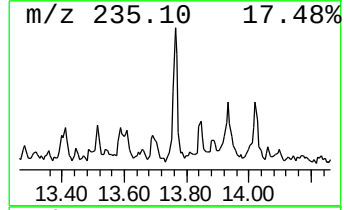
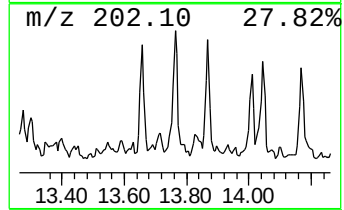
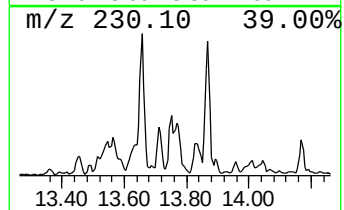
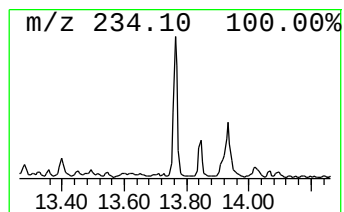
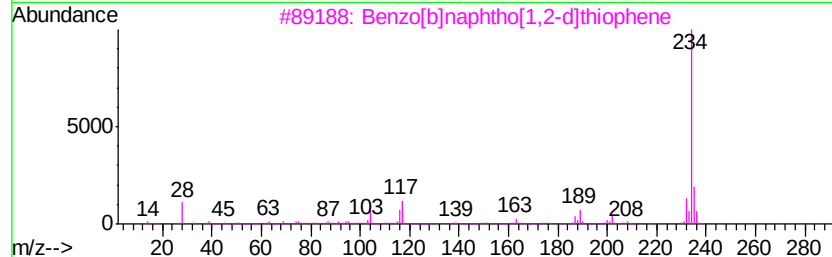
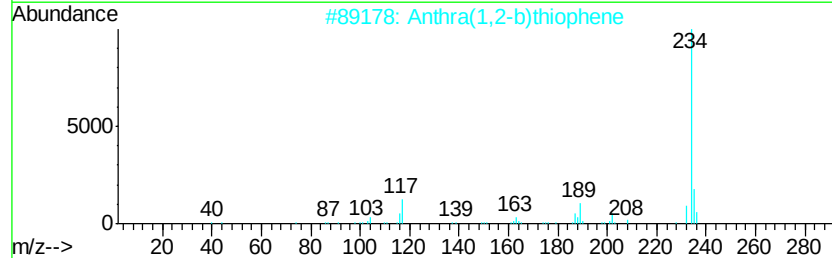
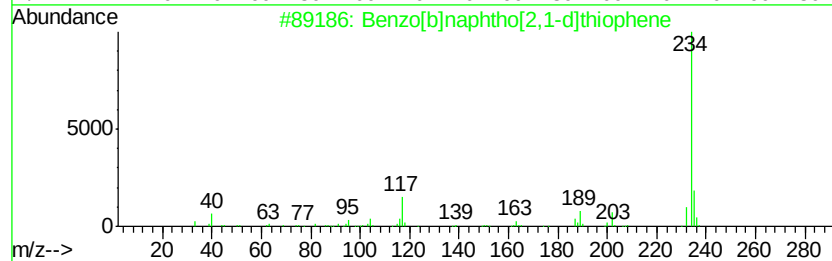
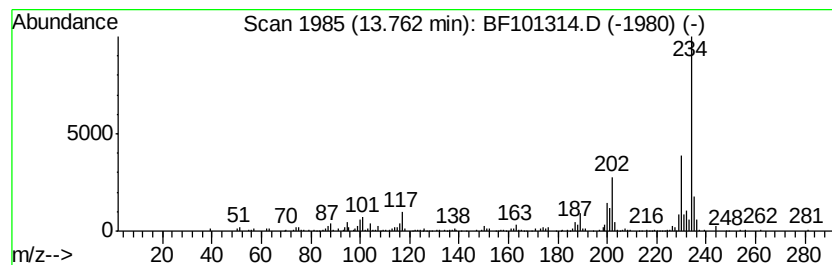
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.76	5.59 ng	294309	Chrysene-d12	14.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	53
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	53
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
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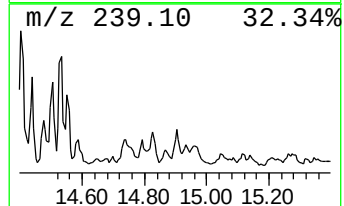
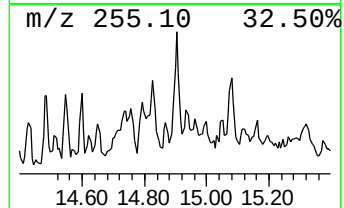
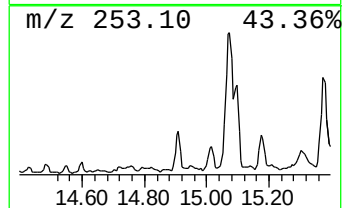
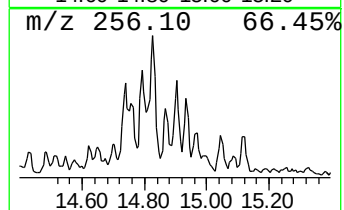
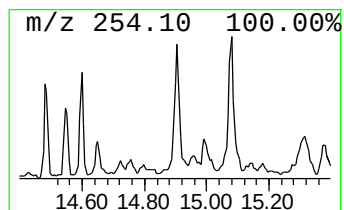
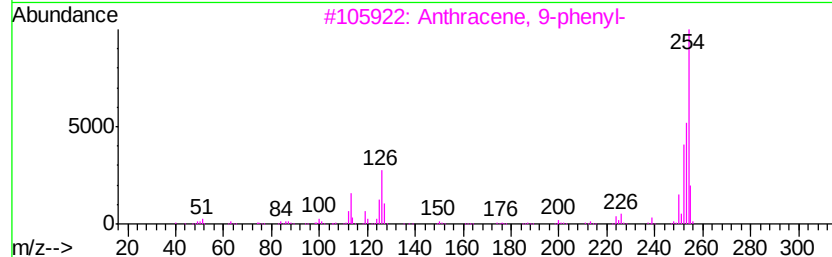
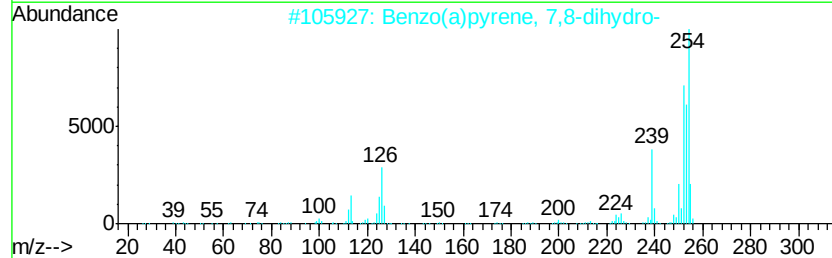
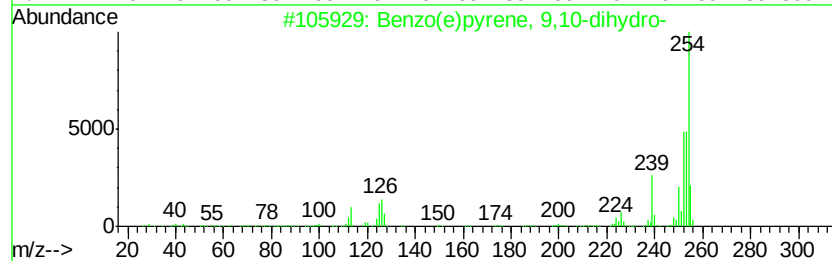
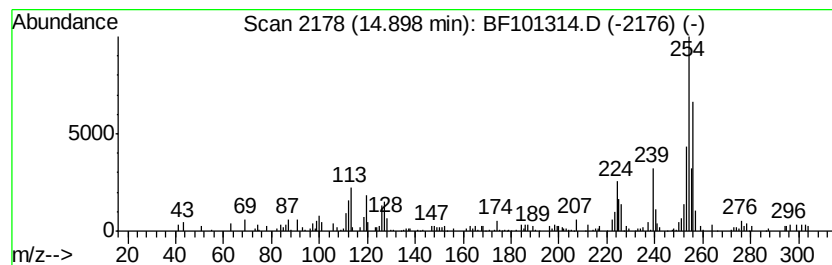
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo(e)pyrene, 9,10-dihydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	15.49 ng	121583	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	62
2		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	53
3		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	47
4		Benzenamine, 4-(2-benzothiazolyl)-	254	C15H14N2S	010205-56-8	46
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
Data File : BF101314.D
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Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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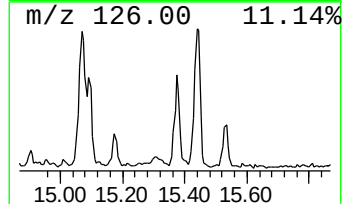
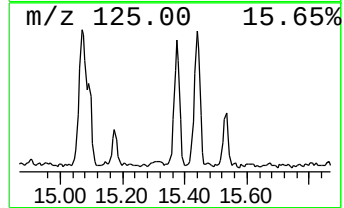
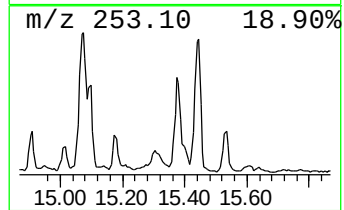
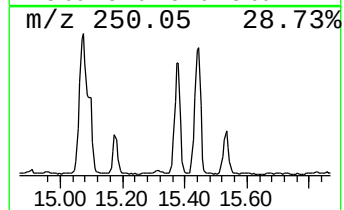
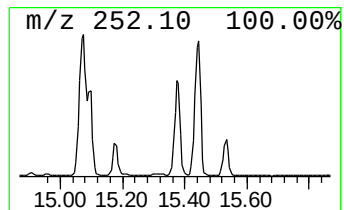
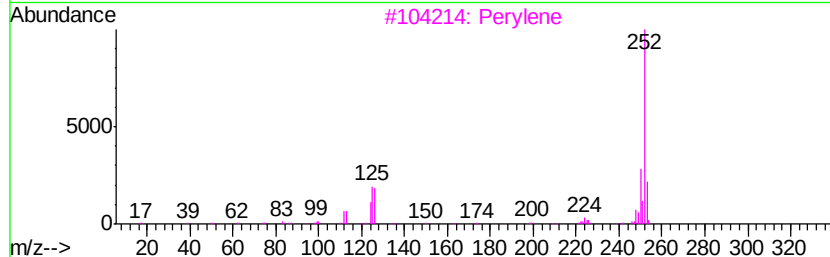
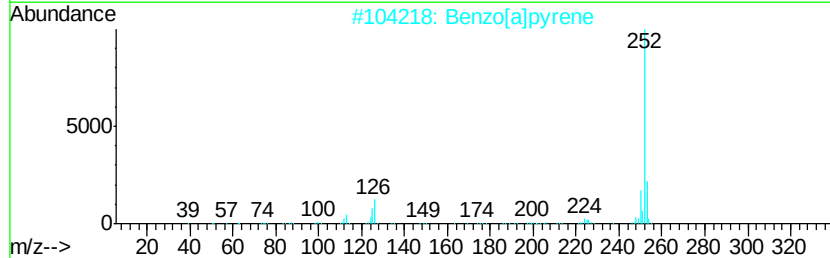
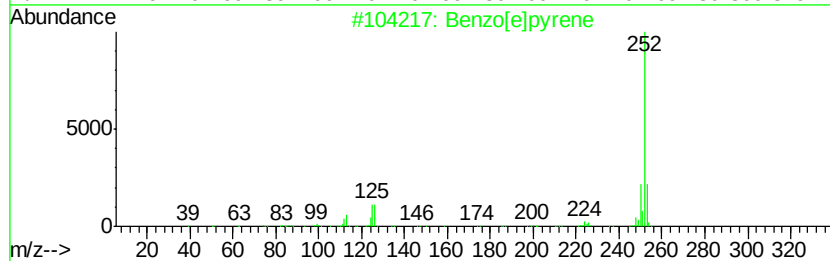
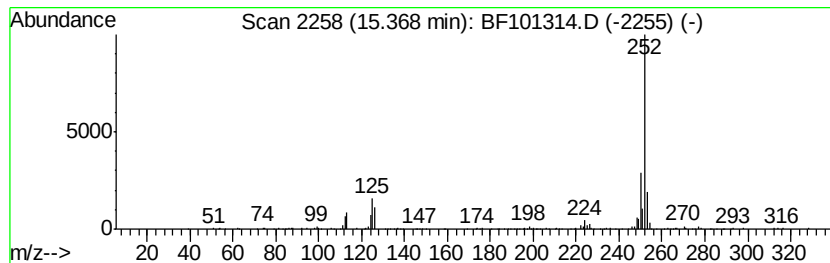
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	54.38 ng	426757	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
Operator : SJ/JU
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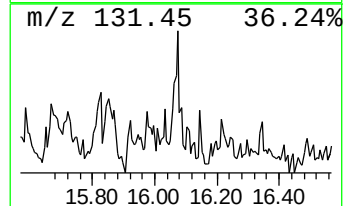
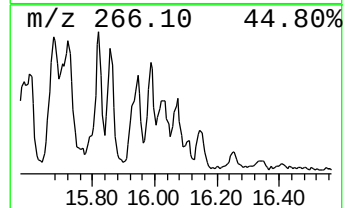
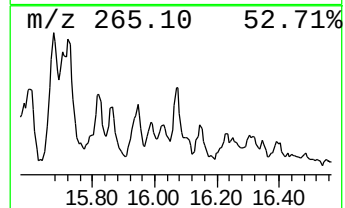
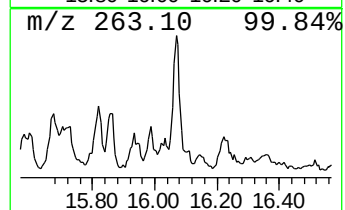
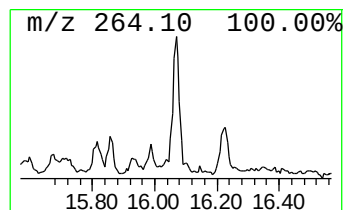
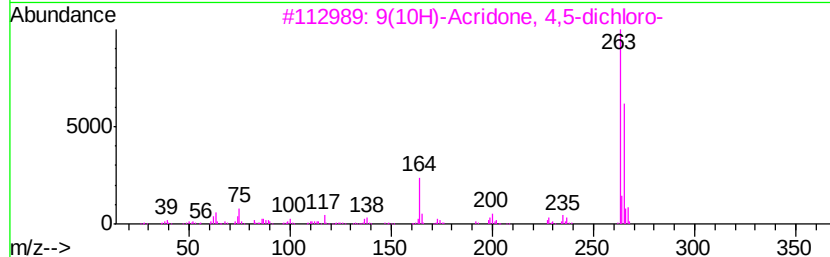
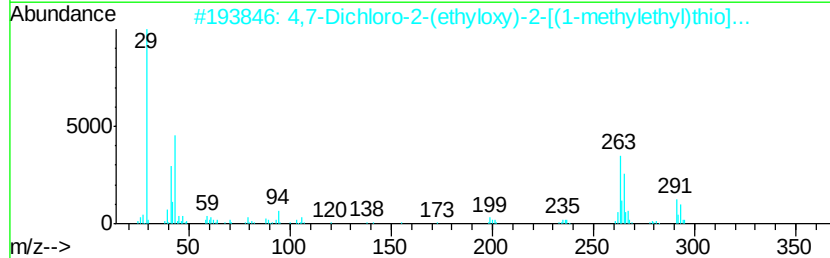
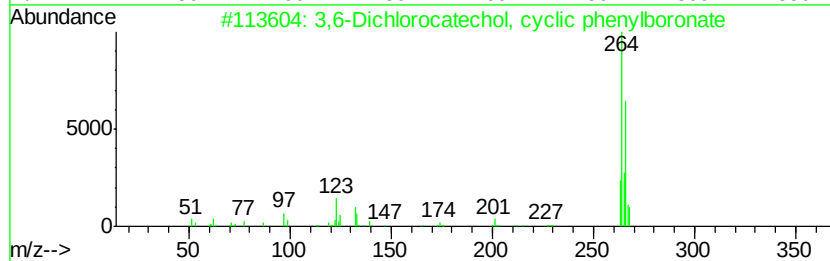
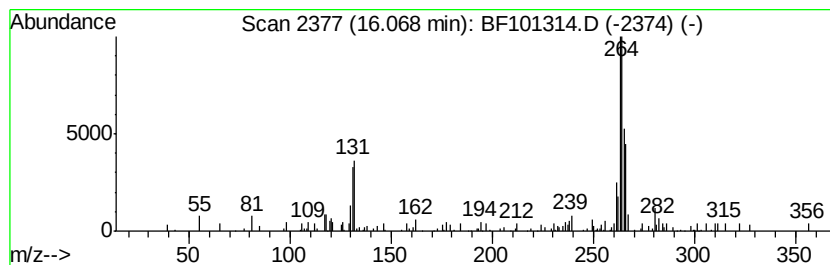
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown16.07 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	7.54 ng	59205	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	35
2		4,7-Dichloro-2-(ethyloxy)-2-[(1-...	366	C12H12Cl2N2O3S	194228-11-0	32
3		9(10H)-Acridone, 4,5-dichloro-	263	C13H7Cl2N0	1000163-26-5	27
4		Pyrimido[5,4-b]benzofuran-4(3H)-...	264	C10H5BrN2O2	296244-98-9	27
5		1,3-Dichlorophenazine 5-oxide	264	C12H6Cl2N2O	053601-82-4	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
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Misc :
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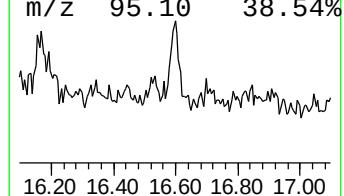
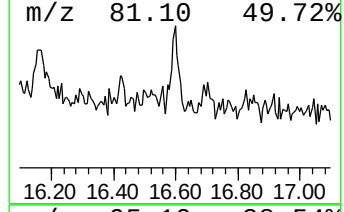
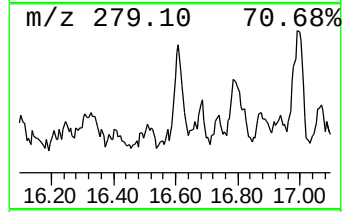
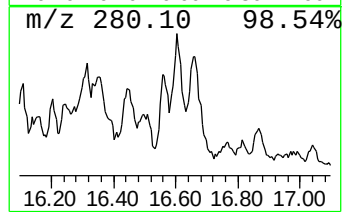
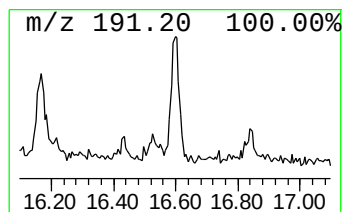
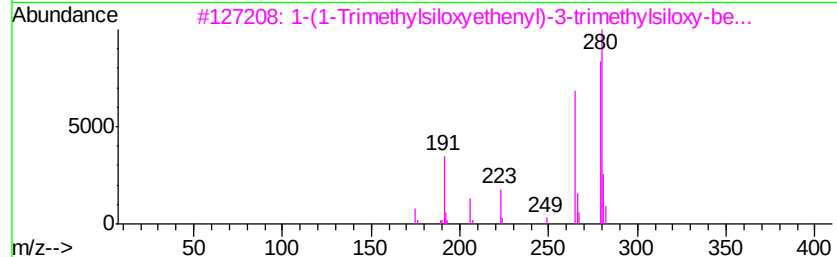
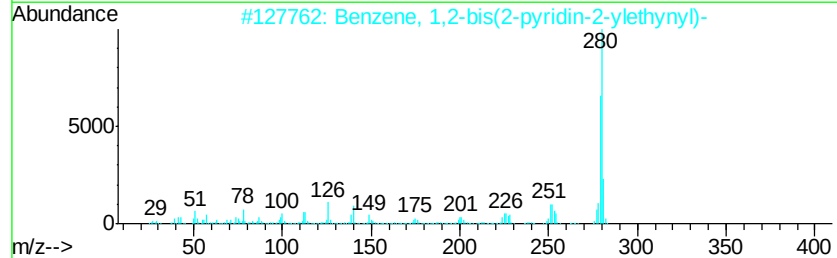
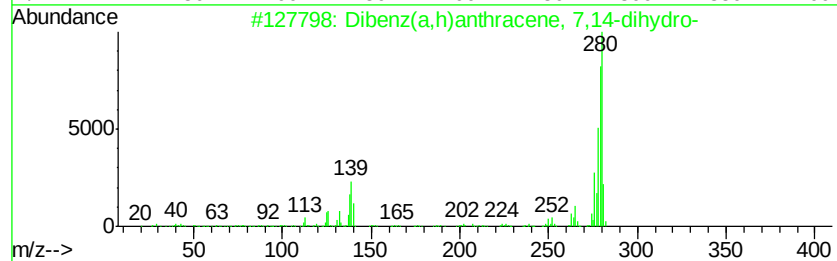
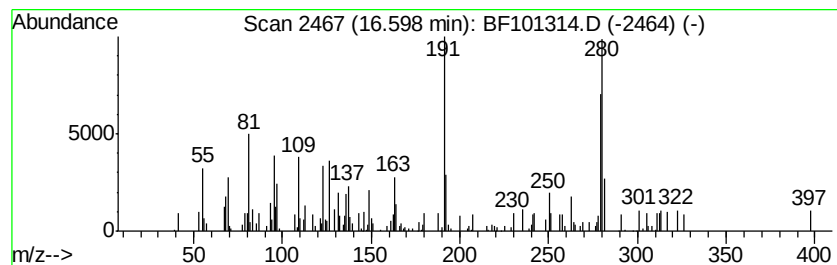
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenz(a,h)anthracene, 7,14... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	7.41 ng	58129	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,h)anthracene, 7,14-dihy...	280	C22H16	057816-08-7	55
2		Benzene, 1,2-bis(2-pyridin-2-yle...	280	C20H12N2	350587-04-1	55
3		1-(1-Trimethylsiloxyethenyl)-3-t...	280	C14H24O2Si2	126210-52-4	52
4		1H-Indene, 1-(diphenylmethylene)-	280	C22H16	013245-90-4	49
5		Imidazo[1,2-b]-1,2,4-benzotriazi...	280	C16H16N4O	1000277-17-5	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
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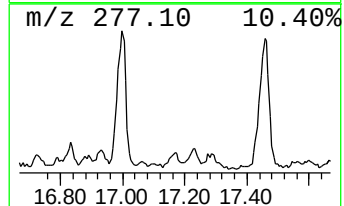
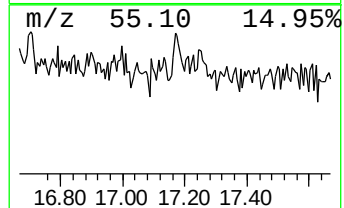
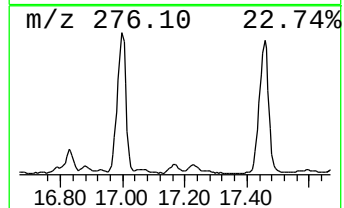
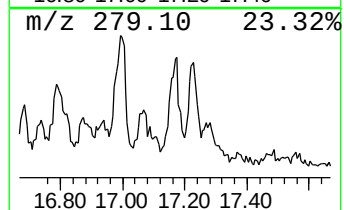
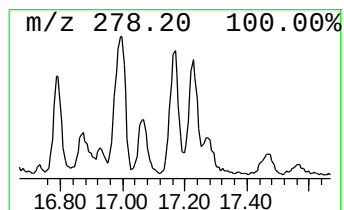
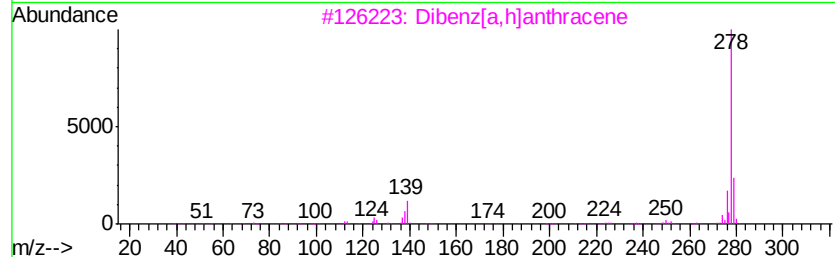
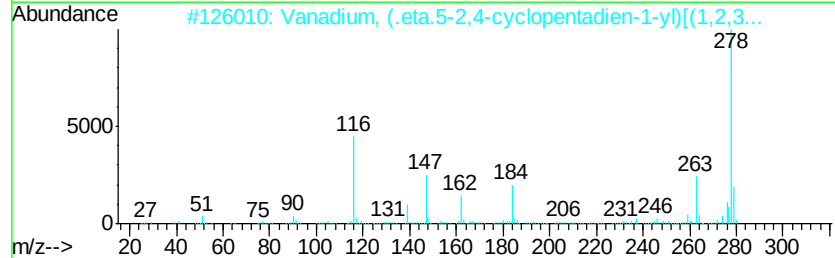
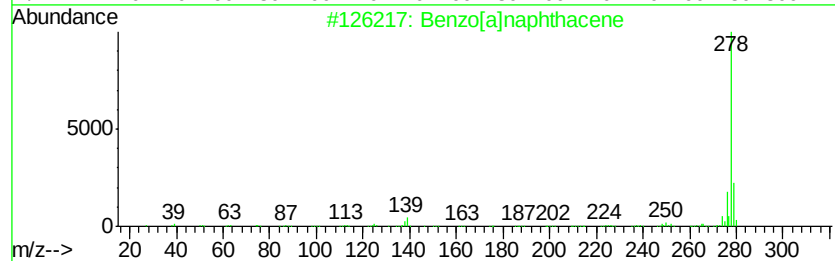
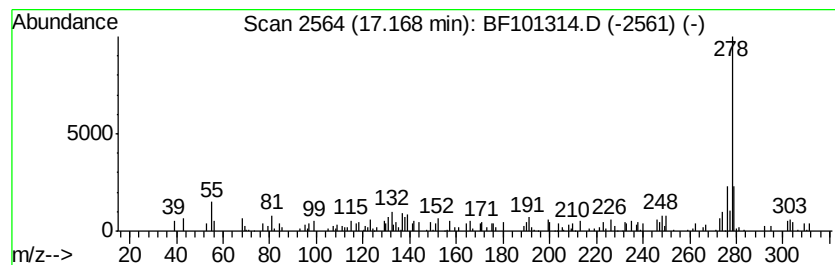
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[a]naphthacene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	7.83 ng	61413	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[a]naphthacene	278	C22H14	000226-88-0	62
2		Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	59
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	53
4		Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	53
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
Data File : BF101314.D
Acq On : 12 Dec 2017 5:09
Operator : SJ/JU
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Misc :
ALS Vial : 36 Sample Multiplier: 1

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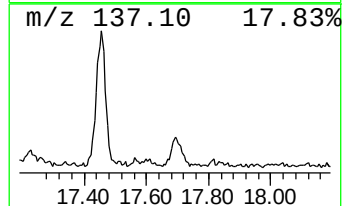
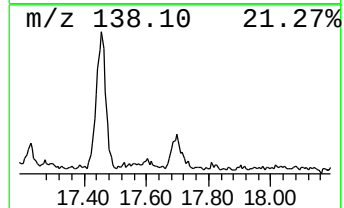
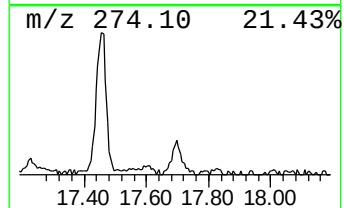
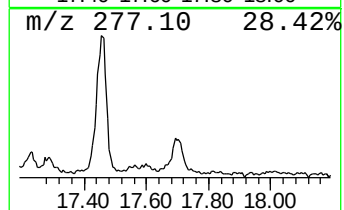
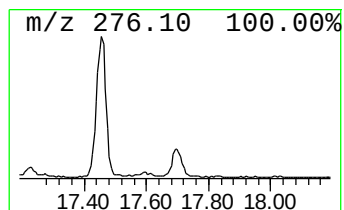
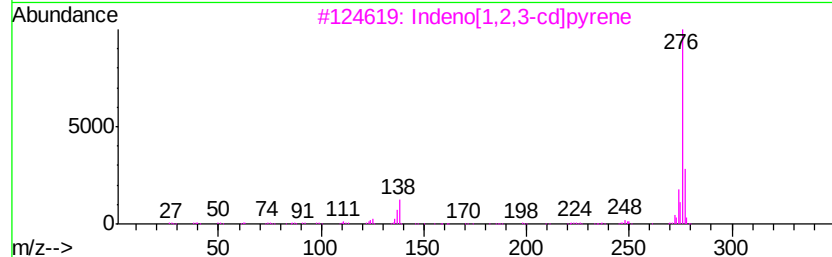
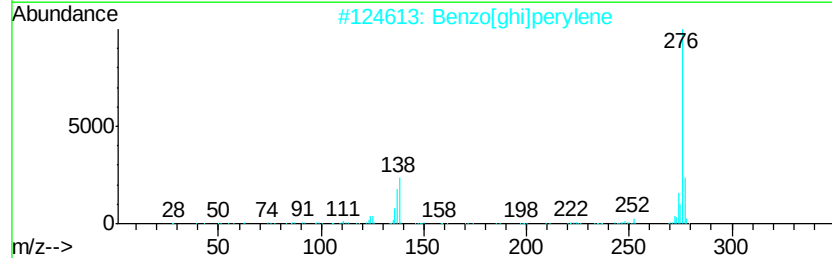
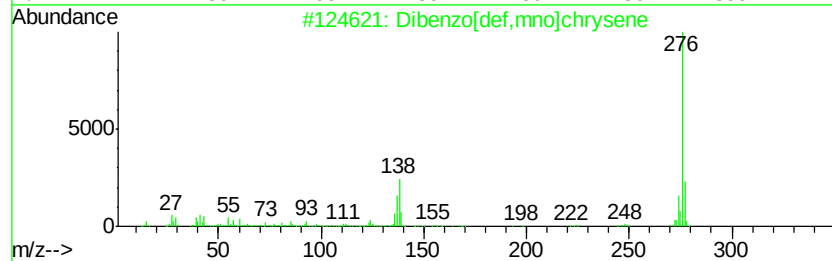
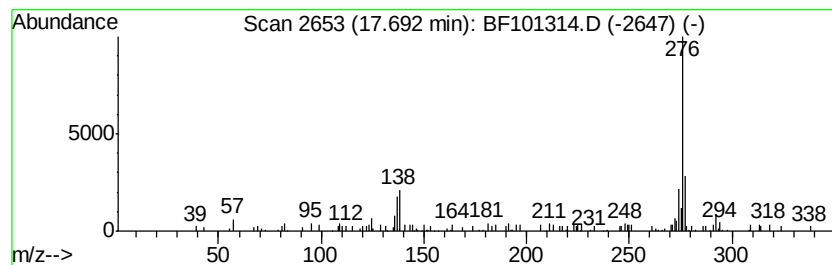
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	18.18 ng	142658	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	90
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121117\
 Data File : BF101314.D
 Acq On : 12 Dec 2017 5:09
 Operator : SJ/JU
 Sample : I6764-01 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-8-E(0-1)

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
unknown6.60	6.60	39.3	ng	488279	1	6.83	248270	20.0
Phenanthrene, 2-m...	11.86	9.0	ng	124429	4	11.36	277867	20.0
Anthracene, 2-met...	11.89	11.1	ng	154633	4	11.36	277867	20.0
Anthracene, 1-met...	11.97	20.2	ng	280078	4	11.36	277867	20.0
Anthracene, 9-met...	12.00	7.1	ng	98595	4	11.36	277867	20.0
Naphthalene, 2-ph...	12.16	8.4	ng	116968	4	11.36	277867	20.0
Phenanthrene, 2,5...	12.42	16.4	ng	227834	4	11.36	277867	20.0
unknown12.46	12.46	10.2	ng	141373	4	11.36	277867	20.0
Cyclopenta(def)ph...	12.51	13.0	ng	181064	4	11.36	277867	20.0
Pyrene, 1-methyl-	13.03	6.3	ng	330216	5	14.02	1053580	20.0
Benzo[b]naphtho[2...	13.76	5.6	ng	294309	5	14.02	1053580	20.0
Benzo(e)pyrene, 9...	14.90	15.5	ng	121583	6	15.50	156956	20.0
Benzo[e]pyrene	15.37	54.4	ng	426757	6	15.50	156956	20.0
unknown16.07	16.07	7.5	ng	59205	6	15.50	156956	20.0
Dibenz(a,h)anthra...	16.60	7.4	ng	58129	6	15.50	156956	20.0
Benzo[a]naphthacene	17.17	7.8	ng	61413	6	15.50	156956	20.0
Dibenzo[def,mno]c...	17.69	18.2	ng	142658	6	15.50	156956	20.0