

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096086.D
 Acq On : 21 Jun 2017 16:03
 Operator : SJ/MA
 Sample : I3782-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-DUP-20170619

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-BF060517.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	1.557	9	12	52	rVB	875493	2068526	63.40%	4.239%
2	4.463	501	506	524	rBV	88862	277906	8.52%	0.570%
3	5.181	624	628	665	rBV	822026	2024364	62.05%	4.149%
4	5.481	676	679	694	rVB	44183	87861	2.69%	0.180%
5	6.869	912	915	925	rBV	975837	1745607	53.50%	3.577%
6	6.951	925	929	956	rVB	1326282	2407956	73.80%	4.935%
7	7.286	983	986	999	rBV	354000	491419	15.06%	1.007%
8	7.528	1022	1027	1044	rBV	1179834	1658042	50.82%	3.398%
9	8.210	1139	1143	1164	rBV	763947	1273245	39.02%	2.609%
10	9.322	1328	1332	1337	rBV	434523	577398	17.70%	1.183%
11	10.492	1527	1531	1541	rBV	67452	93479	2.87%	0.192%
12	10.639	1550	1556	1563	rBV	98426	143495	4.40%	0.294%
13	11.104	1629	1635	1646	rBV	1709014	2183405	66.92%	4.474%
14	11.398	1682	1685	1693	rVV	31135	49369	1.51%	0.101%
15	11.504	1699	1703	1704	rBV	59394	59384	1.82%	0.122%
16	11.621	1718	1723	1727	rBV	113661	165972	5.09%	0.340%
17	11.663	1727	1730	1739	rVB	71565	101080	3.10%	0.207%
18	11.798	1749	1753	1764	rVB	258534	362186	11.10%	0.742%
19	11.916	1770	1773	1781	rVB2	115025	182785	5.60%	0.375%
20	12.139	1806	1811	1815	rBV2	502757	636704	19.51%	1.305%
21	12.192	1815	1820	1827	rVB	313828	425268	13.03%	0.872%
22	12.351	1840	1847	1853	rBV3	36824	75476	2.31%	0.155%
23	12.404	1853	1856	1864	rVB2	56976	85155	2.61%	0.175%
24	12.486	1866	1870	1874	rBV	113286	169259	5.19%	0.347%
25	12.580	1879	1886	1894	rVB	51777	87215	2.67%	0.179%
26	12.692	1901	1905	1910	rBV2	44181	76006	2.33%	0.156%
27	12.739	1910	1913	1920	rVV	39927	55399	1.70%	0.114%
28	12.833	1923	1929	1932	rVV	39051	69545	2.13%	0.143%
29	13.033	1959	1963	1973	rVB	288320	396382	12.15%	0.812%
30	13.121	1973	1978	1980	rBV3	69180	97655	2.99%	0.200%
31	13.139	1980	1981	1984	rVV	58669	61353	1.88%	0.126%
32	13.168	1984	1986	1990	rVB3	52965	63104	1.93%	0.129%
33	13.245	1997	1999	2006	rVB3	35317	54185	1.66%	0.111%
34	13.310	2006	2010	2014	rBV	83265	118302	3.63%	0.242%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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35	13.439	2027	2032	2041	rBV	737993	1137427	34.86%	2.331%
36	13.504	2041	2043	2049	rVB4	40134	61456	1.88%	0.126%
37	13.774	2084	2089	2094	rBV3	60797	130788	4.01%	0.268%
38	13.933	2110	2116	2120	rBV2	96281	177218	5.43%	0.363%
39	13.974	2120	2123	2129	rVB3	64807	101426	3.11%	0.208%
40	14.057	2131	2137	2143	rVB3	34283	82566	2.53%	0.169%
41	14.163	2150	2155	2158	rBV4	64675	92062	2.82%	0.189%
42	14.268	2169	2173	2177	rVV	101962	142439	4.37%	0.292%
43	14.315	2177	2181	2182	rVV2	56300	70162	2.15%	0.144%
44	14.362	2186	2189	2195	rVB	152906	200647	6.15%	0.411%
45	14.498	2209	2212	2214	rBV2	38560	43866	1.34%	0.090%
46	14.539	2214	2219	2221	rVV	410354	551978	16.92%	1.131%
47	14.586	2221	2227	2230	rVB	2063614	2942810	90.20%	6.031%
48	14.662	2235	2240	2249	rVB	463655	621263	19.04%	1.273%
49	14.762	2253	2257	2261	rBV	54830	86614	2.65%	0.177%
50	14.945	2282	2288	2290	rBV4	31725	59728	1.83%	0.122%
51	14.974	2290	2293	2301	rVV	97194	187882	5.76%	0.385%
52	15.039	2301	2304	2307	rVV	90926	102524	3.14%	0.210%
53	15.074	2307	2310	2315	rVV	99901	118971	3.65%	0.244%
54	15.133	2316	2320	2325	rVV6	40539	72661	2.23%	0.149%
55	15.215	2326	2334	2337	rVB4	47418	109789	3.37%	0.225%
56	15.345	2351	2356	2359	rVV	573833	657334	20.15%	1.347%
57	15.386	2359	2363	2368	rVV	629969	742138	22.75%	1.521%
58	15.462	2372	2376	2378	rVV	160423	190015	5.82%	0.389%
59	15.498	2378	2382	2386	rVV2	541240	816212	25.02%	1.673%
60	15.539	2386	2389	2392	rVV	371874	478978	14.68%	0.982%
61	15.574	2392	2395	2402	rVB	195212	245331	7.52%	0.503%
62	15.698	2414	2416	2422	rVB4	36601	51948	1.59%	0.106%
63	15.798	2429	2433	2441	rVB	319262	401292	12.30%	0.822%
64	15.862	2441	2444	2448	rBV	174912	234788	7.20%	0.481%
65	15.898	2448	2450	2454	rVB	71293	67579	2.07%	0.138%
66	16.009	2465	2469	2474	rBV3	108897	180901	5.54%	0.371%
67	16.057	2474	2477	2481	rVV	125995	147317	4.52%	0.302%
68	16.098	2481	2484	2487	rVB	69981	79433	2.43%	0.163%
69	16.162	2490	2495	2498	rBV	331964	436616	13.38%	0.895%
70	16.198	2498	2501	2506	rVV3	179671	275705	8.45%	0.565%
71	16.239	2506	2508	2511	rVB	99487	91177	2.79%	0.187%

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72	16.286	2511	2516	2523	rVB2	233388	346777	10.63%	0.711%
73	16.374	2523	2531	2534	rBV	2000179	2658755	81.49%	5.449%
74	16.409	2534	2537	2542	rVB2	116132	154328	4.73%	0.316%
75	16.468	2543	2547	2550	rBV3	124805	170463	5.22%	0.349%
76	16.498	2550	2552	2556	rVB2	91540	103127	3.16%	0.211%
77	16.556	2559	2562	2568	rBV2	97001	134430	4.12%	0.275%
78	16.621	2570	2573	2576	rBV	62016	65841	2.02%	0.135%
79	16.680	2576	2583	2586	rBV	2223257	3262670	100.00%	6.686%
80	16.751	2591	2595	2599	rVV3	89264	177405	5.44%	0.364%
81	16.792	2599	2602	2606	rVB2	75960	99192	3.04%	0.203%
82	16.862	2611	2614	2618	rBV	130563	152961	4.69%	0.313%
83	16.921	2619	2624	2630	rVB	1137967	1437836	44.07%	2.947%
84	16.998	2633	2637	2644	rBV3	197949	313616	9.61%	0.643%
85	17.109	2652	2656	2658	rBV4	171239	285045	8.74%	0.584%
86	17.139	2659	2661	2667	rVB2	292424	348089	10.67%	0.713%
87	17.227	2673	2676	2680	rVB	194870	211081	6.47%	0.433%
88	17.274	2680	2684	2691	rBV3	324232	592562	18.16%	1.214%
89	17.386	2700	2703	2707	rVB	201143	229542	7.04%	0.470%
90	17.427	2707	2710	2716	rVB2	185379	195955	6.01%	0.402%
91	17.833	2776	2779	2784	rVB	196329	226741	6.95%	0.465%
92	17.974	2800	2803	2806	rVB	291463	294282	9.02%	0.603%
93	18.009	2806	2809	2812	rBV	123557	149101	4.57%	0.306%
94	18.109	2824	2826	2832	rVB2	195739	267905	8.21%	0.549%
95	18.268	2848	2853	2857	rBV2	1028516	1635295	50.12%	3.351%
96	18.309	2857	2860	2865	rVB	908188	1055386	32.35%	2.163%
97	19.174	3003	3007	3013	rBV	1199914	1483690	45.47%	3.041%
98	19.550	3067	3071	3074	rBV	700331	1025246	31.42%	2.101%
99	19.839	3117	3120	3124	rVB	435007	469946	14.40%	0.963%
100	19.897	3127	3130	3134	rVV	569273	634224	19.44%	1.300%

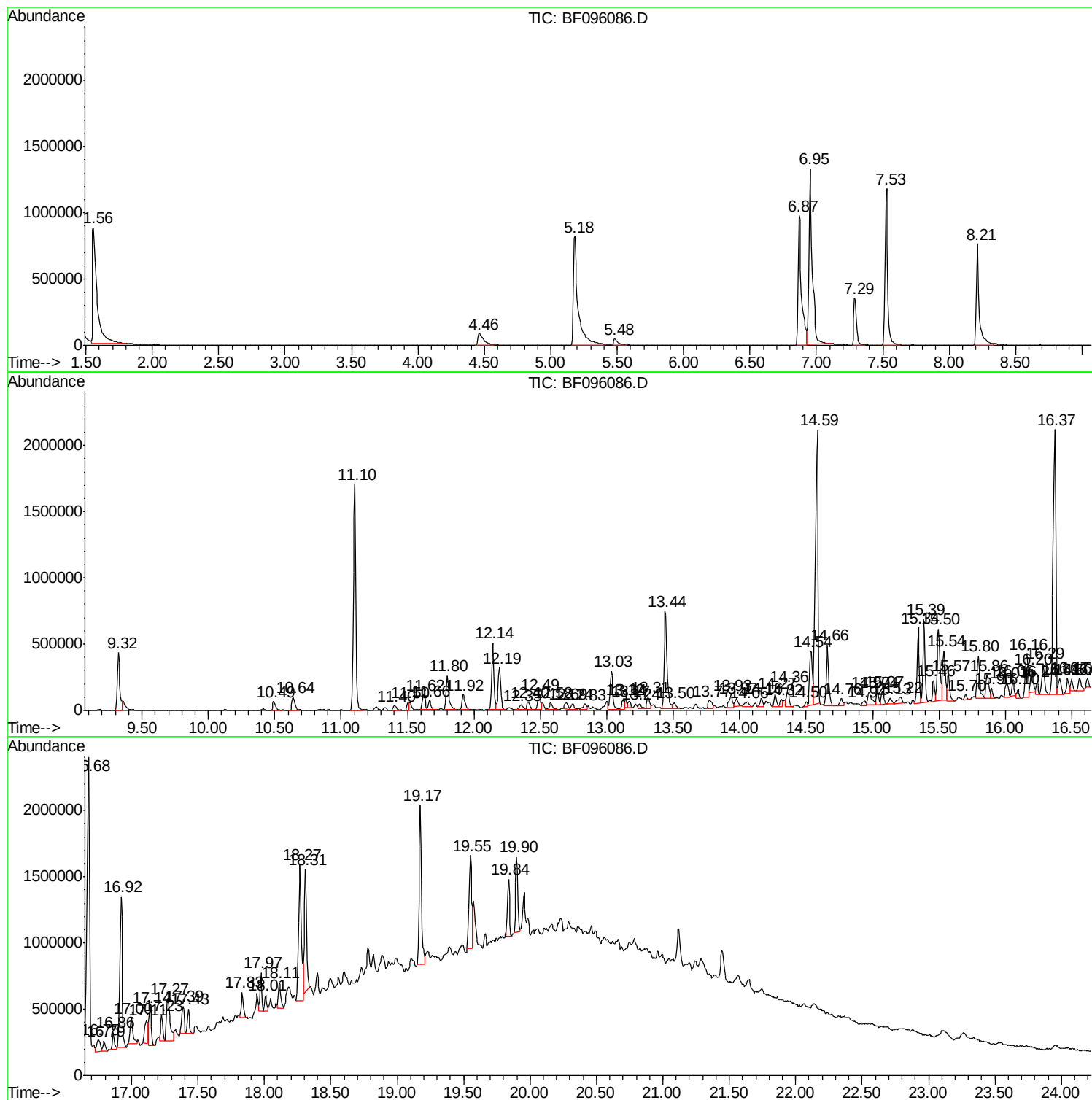
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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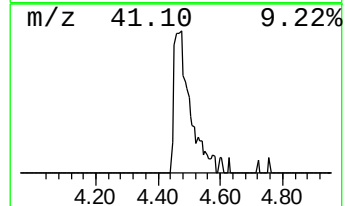
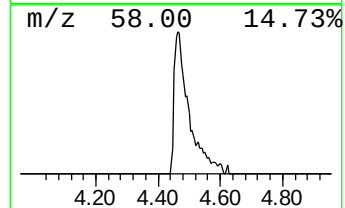
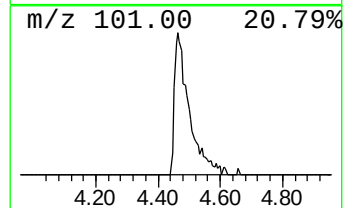
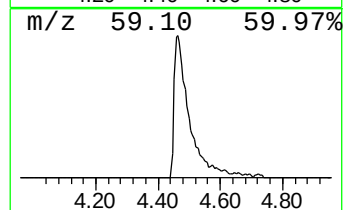
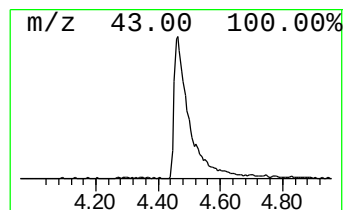
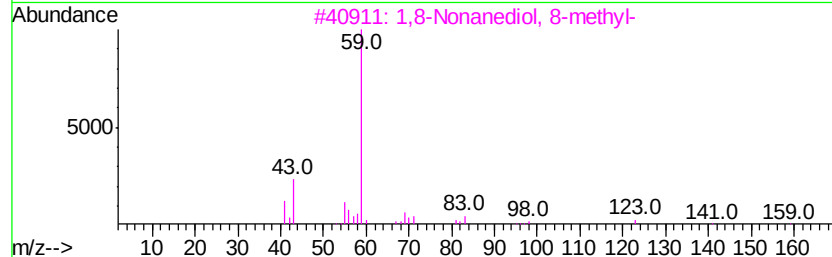
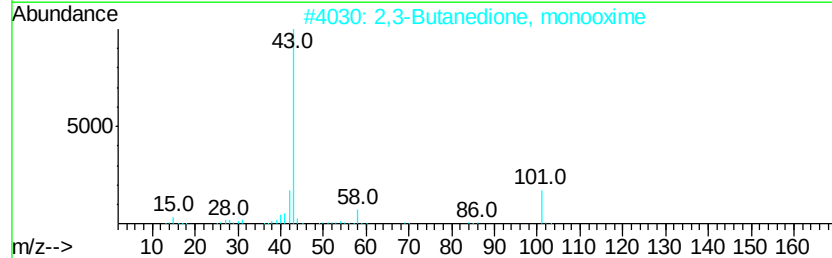
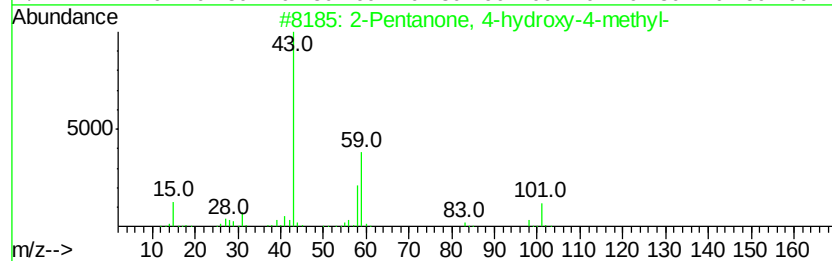
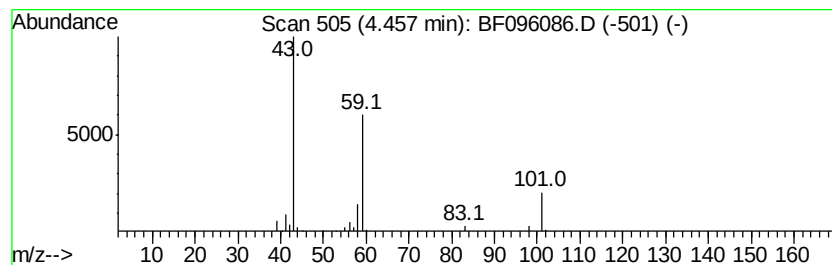
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	11.31 ng	277906	1,4-Dichlorobenzene-d4	7.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3			1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
4			Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	23
5			(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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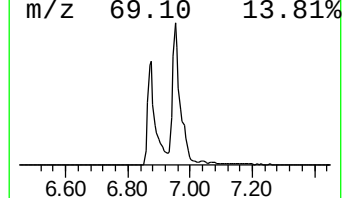
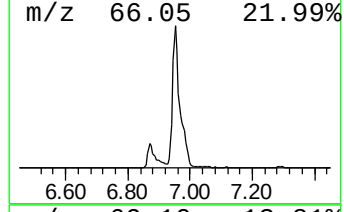
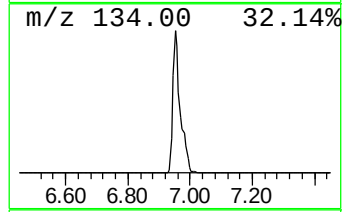
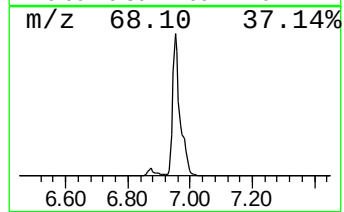
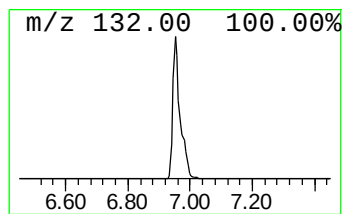
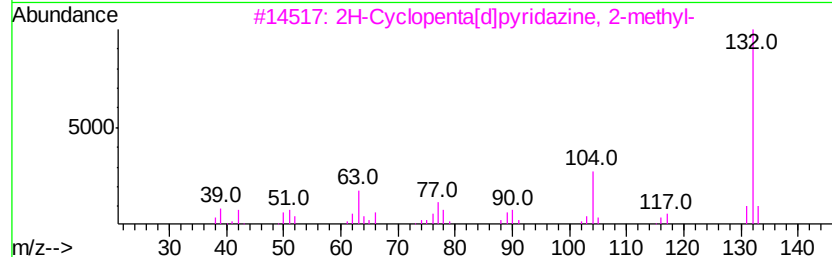
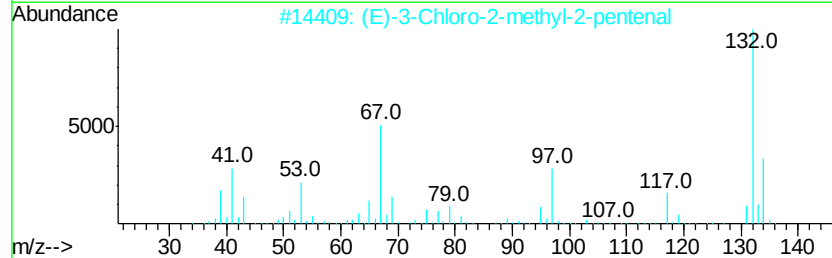
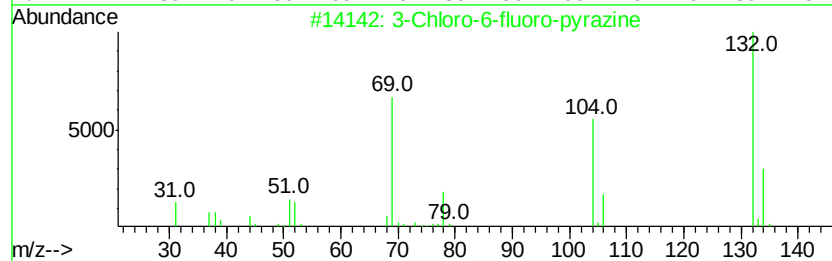
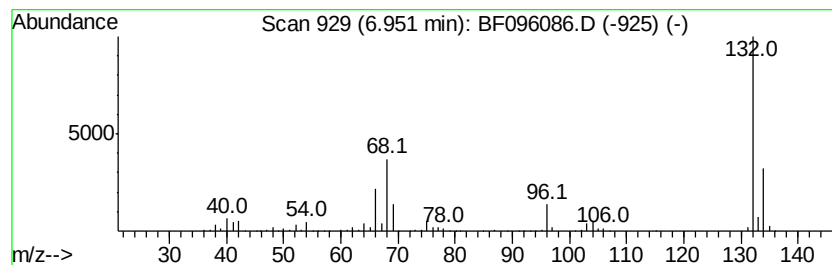
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.95 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.95	98.00 ng	2407960	1,4-Dichlorobenzene-d4	7.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		2H-Cyclopentaf[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



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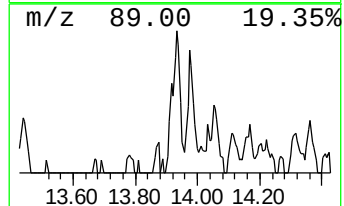
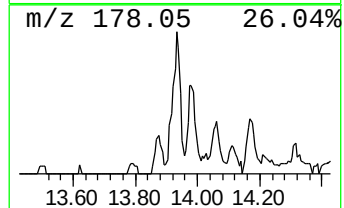
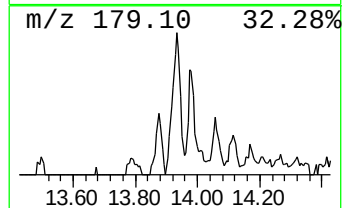
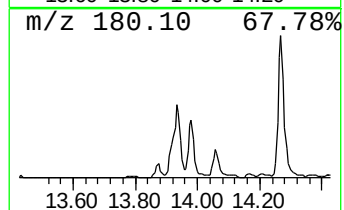
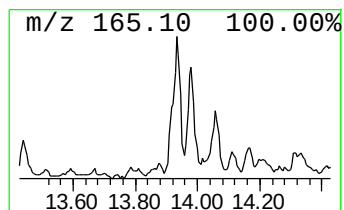
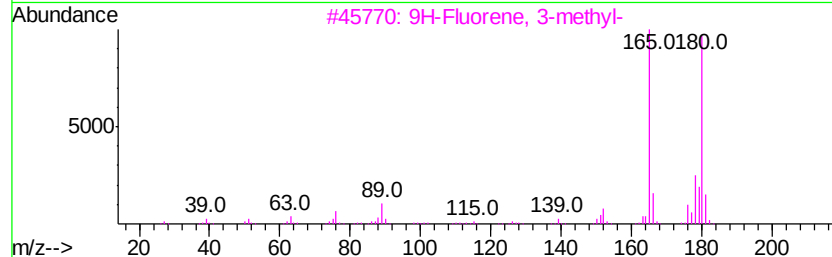
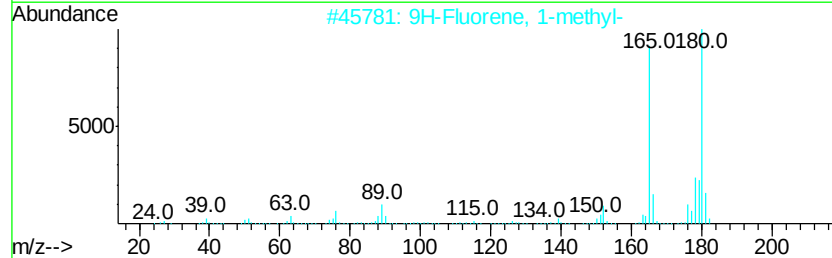
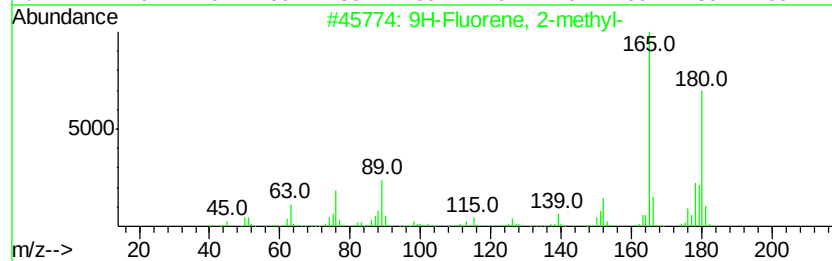
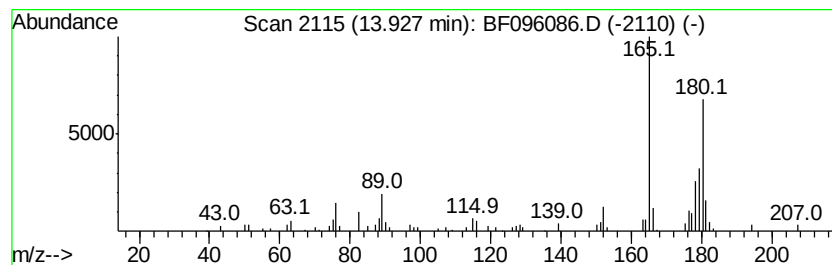
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Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	6.42 ng	177218	Phenanthrene-d10	14.53

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	91
4		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096086.D
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Operator : SJ/MA
Sample : I3782-09
Misc :
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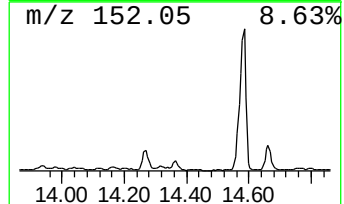
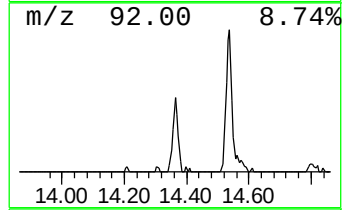
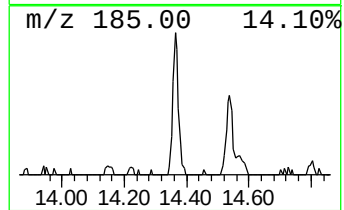
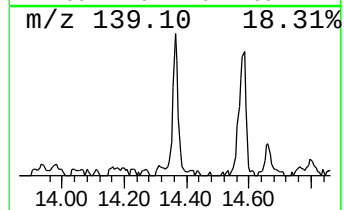
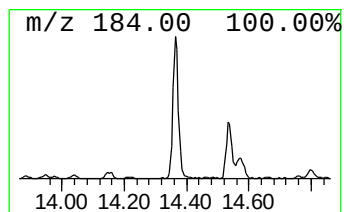
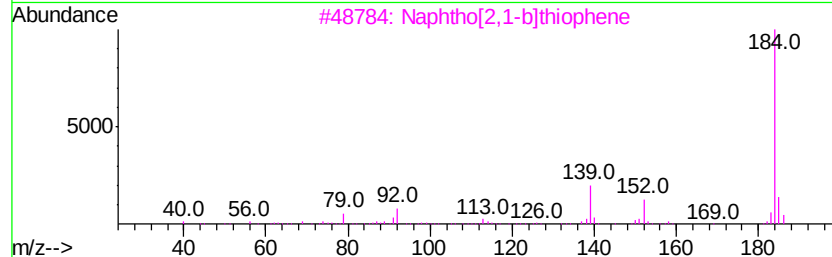
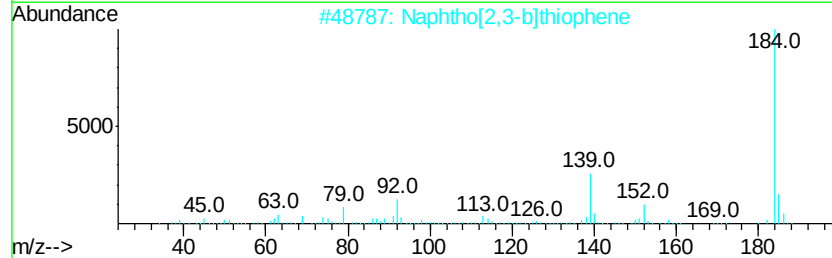
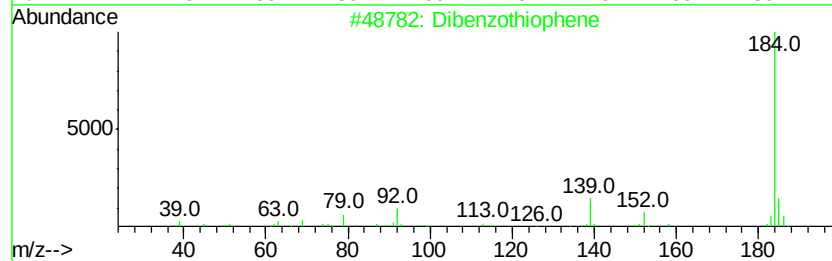
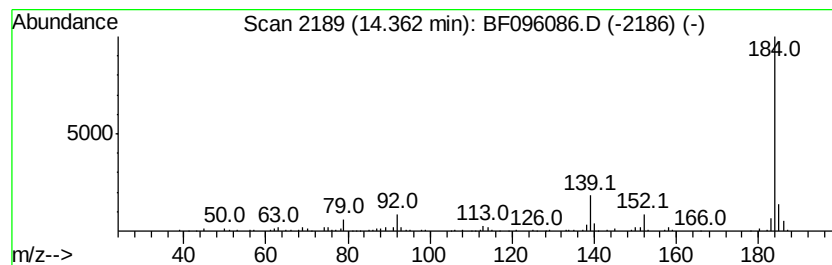
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	7.27 ng	200647	Phenanthrene-d10	14.53
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 96
2		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 94
3		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 94
4		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 91
5		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
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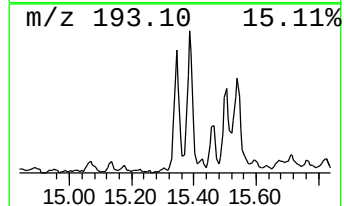
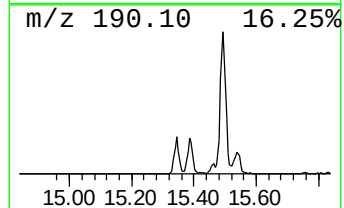
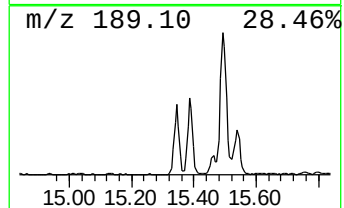
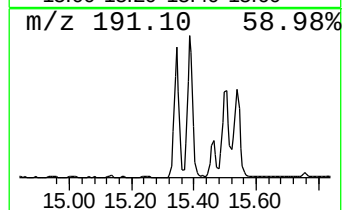
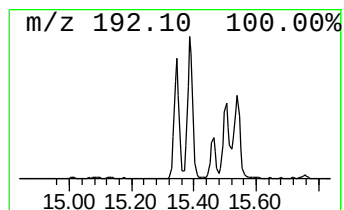
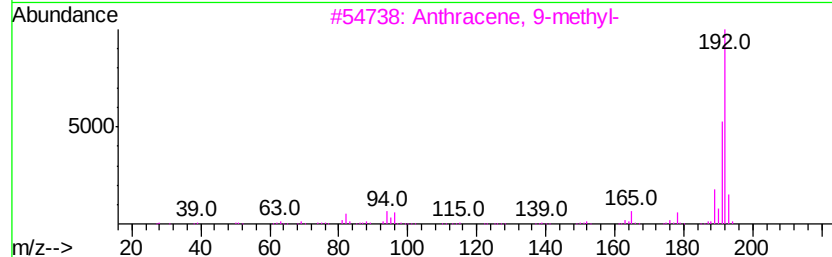
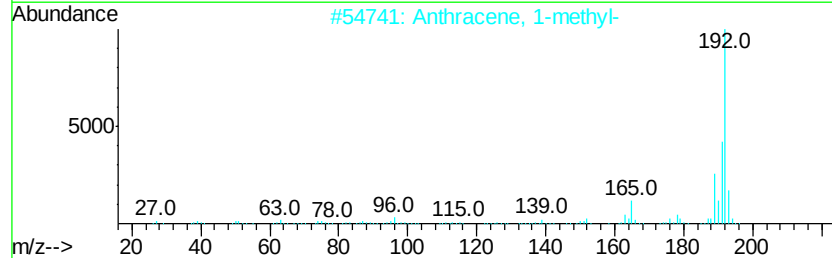
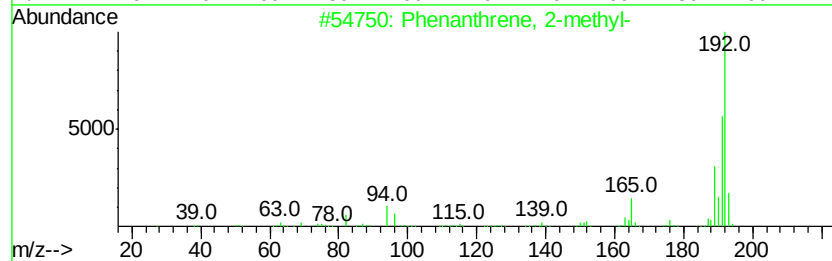
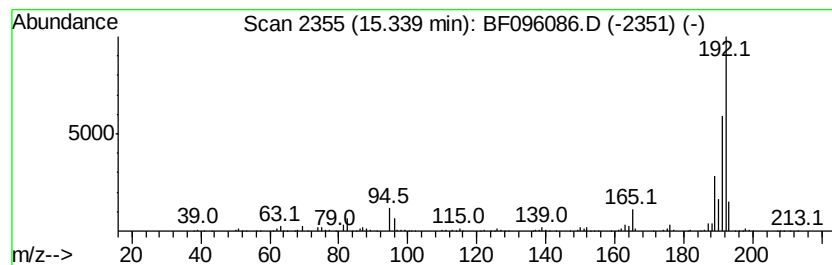
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.34	23.82 ng	657334	Phenanthrene-d10	14.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096086.D
Acq On : 21 Jun 2017 16:03
Operator : SJ/MA
Sample : I3782-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

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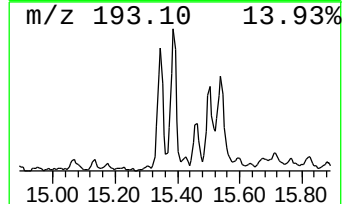
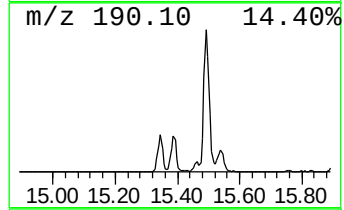
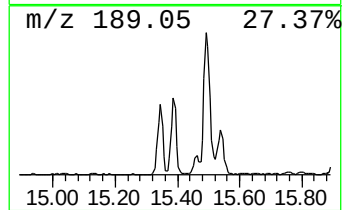
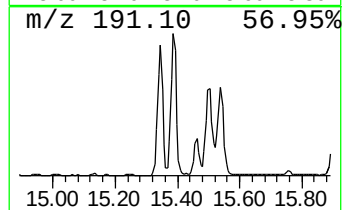
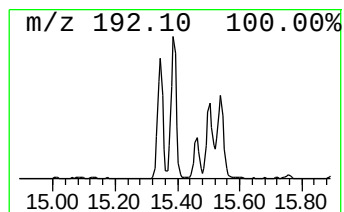
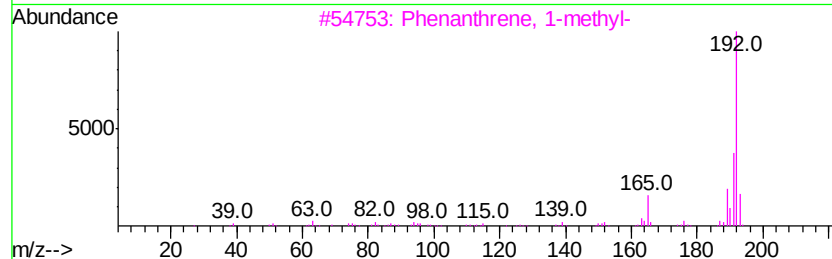
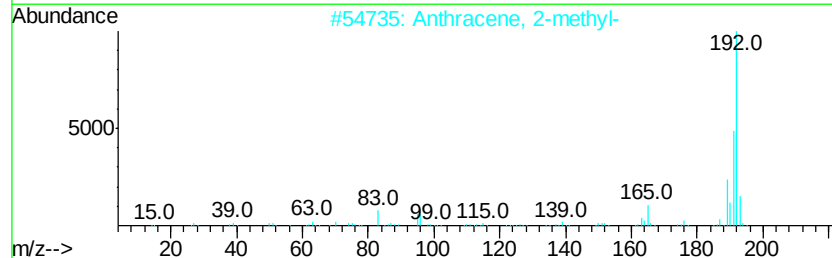
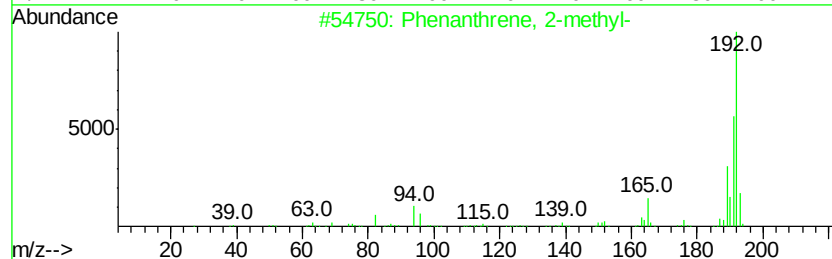
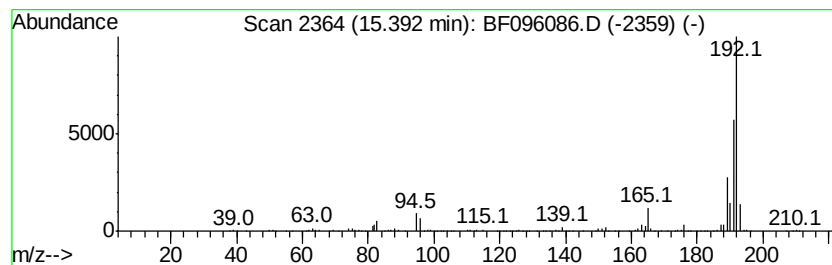
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	26.89 ng	742138	Phenanthrene-d10	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
Data File : BF096086.D
Acq On : 21 Jun 2017 16:03
Operator : SJ/MA
Sample : I3782-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

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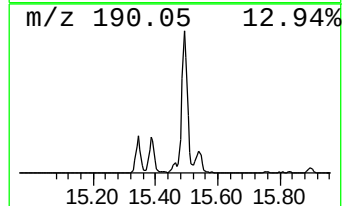
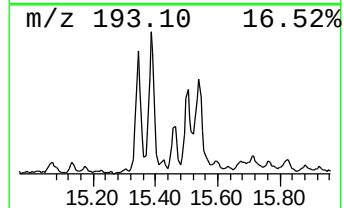
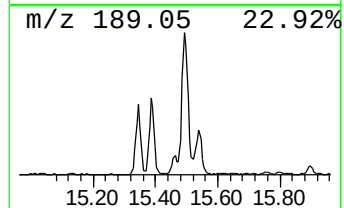
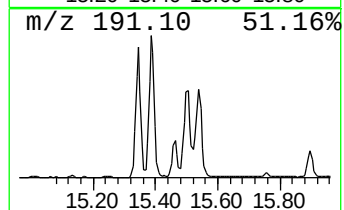
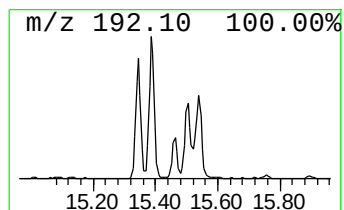
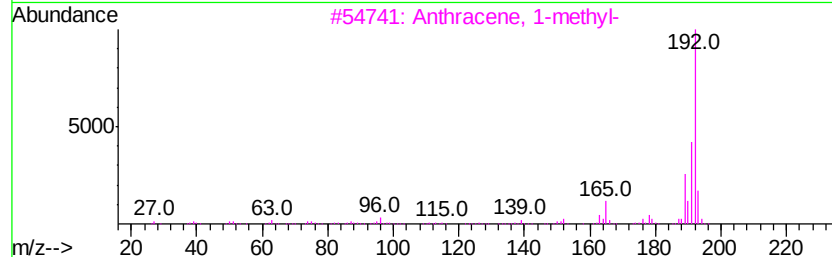
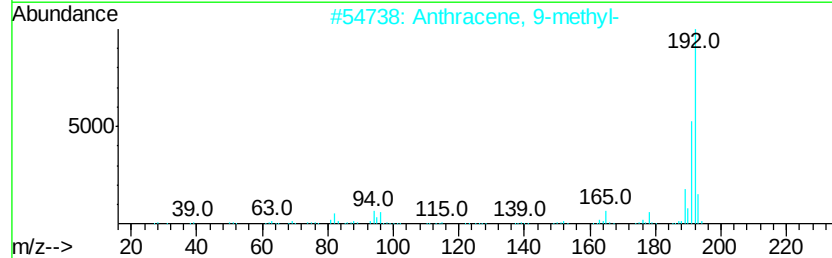
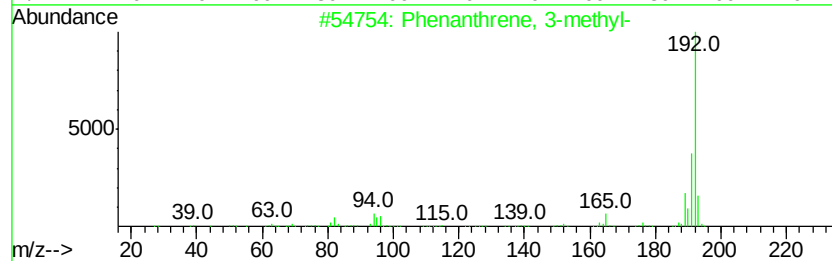
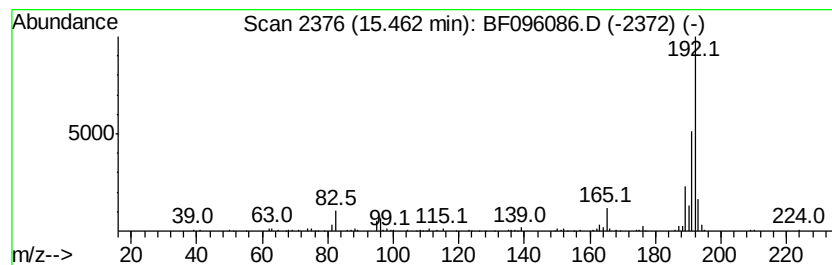
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	6.88 ng	190015	Phenanthrene-d10	14.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
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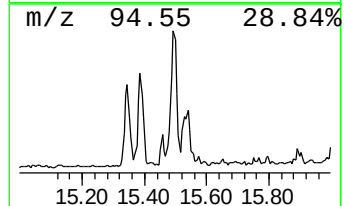
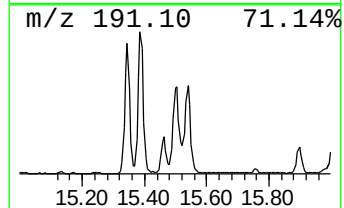
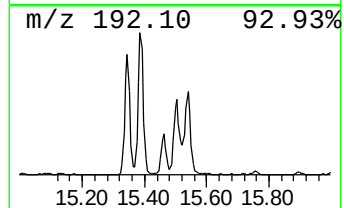
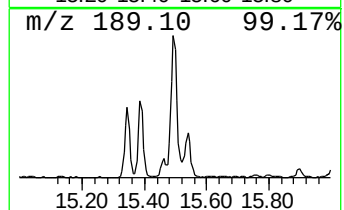
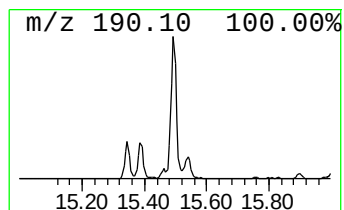
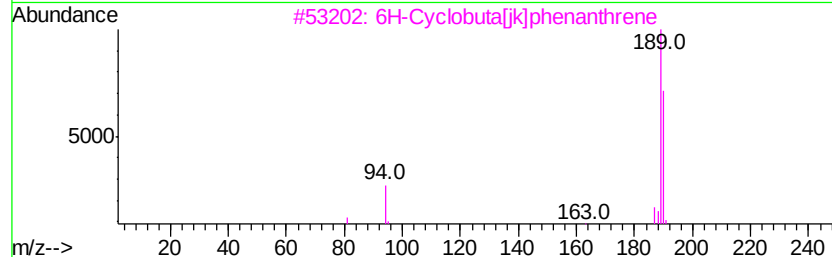
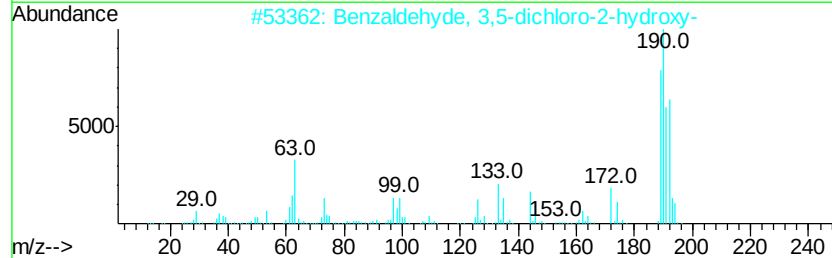
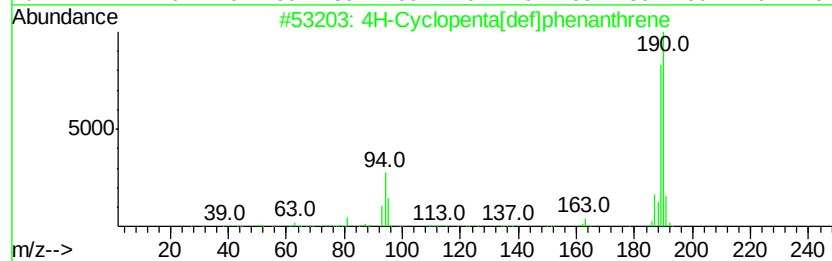
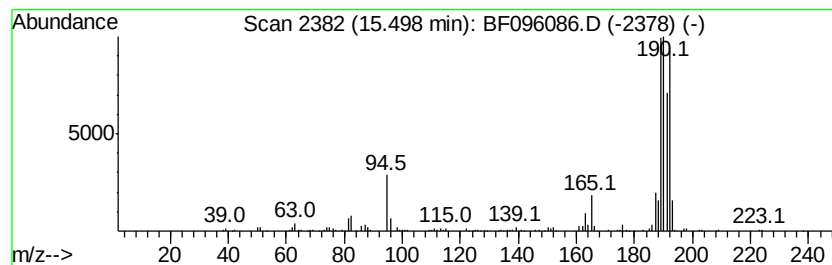
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.50	29.57 ng	816212	Phenanthrene-d10	14.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
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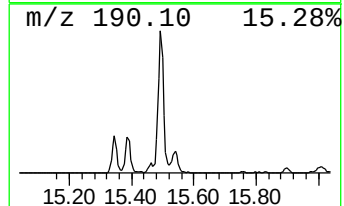
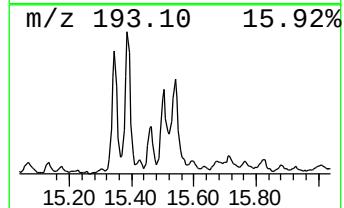
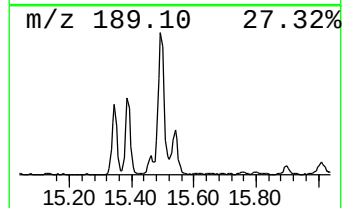
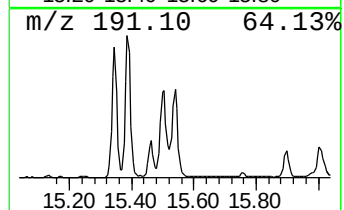
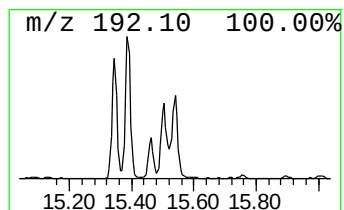
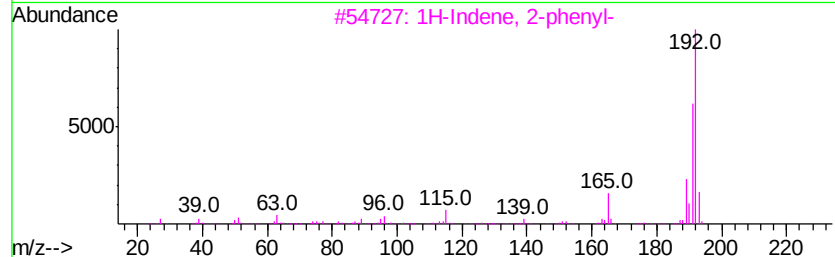
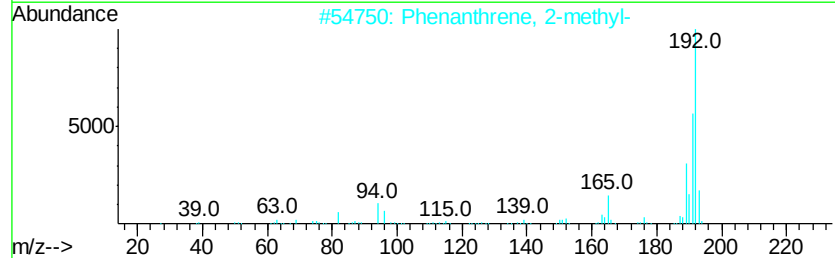
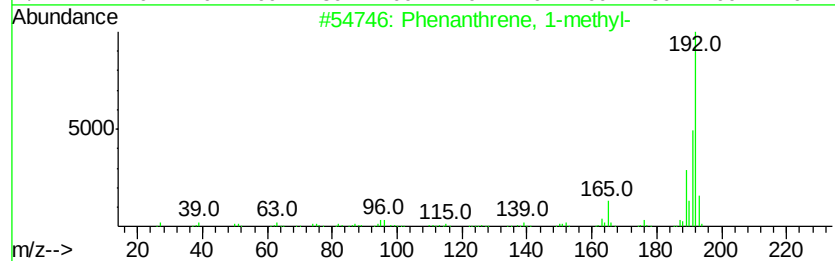
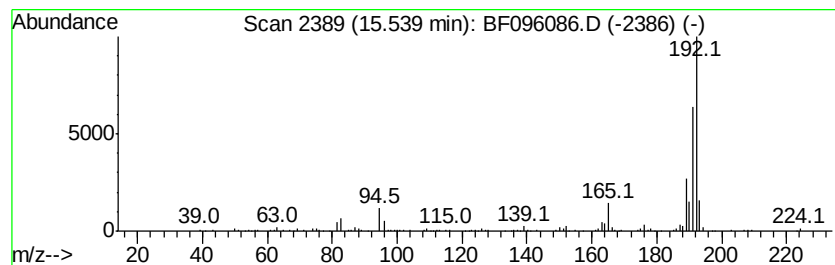
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	17.36 ng	478978	Phenanthrene-d10	14.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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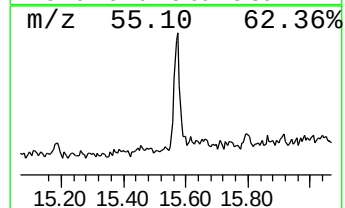
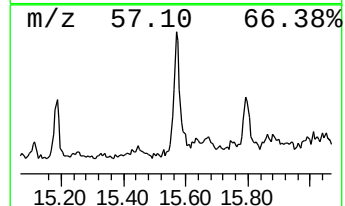
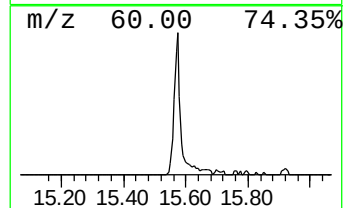
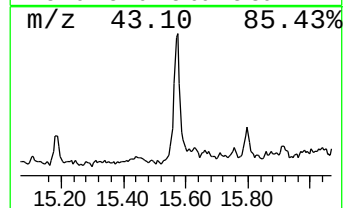
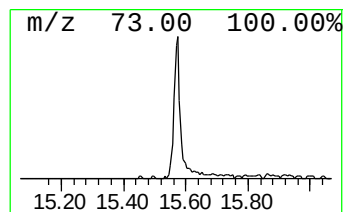
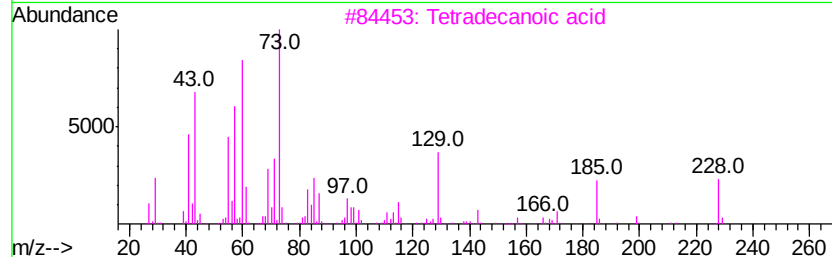
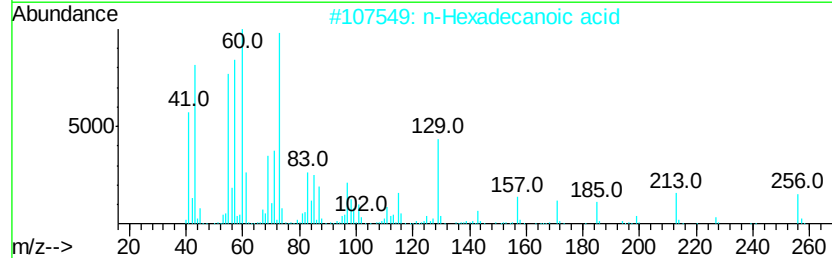
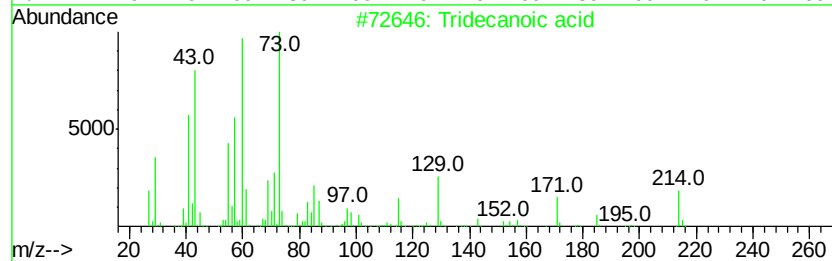
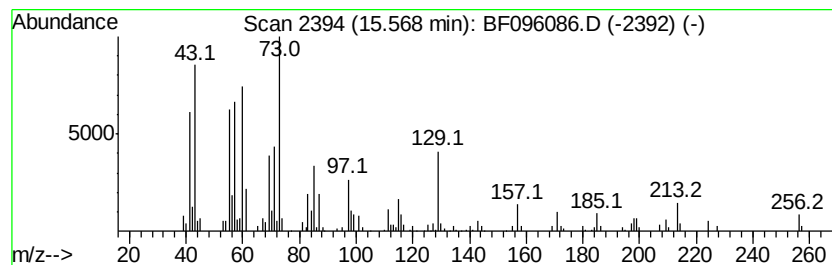
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.57	8.89 ng	245331	Phenanthrene-d10		14.53	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecanoic acid	214	C13H26O2	000638-53-9	90
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4		n-Decanoic acid	172	C10H20O2	000334-48-5	70
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096086.D
Acq On : 21 Jun 2017 16:03
Operator : SJ/MA
Sample : I3782-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619

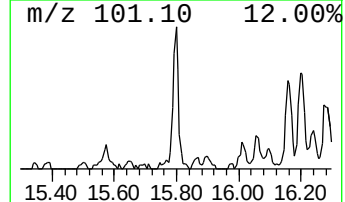
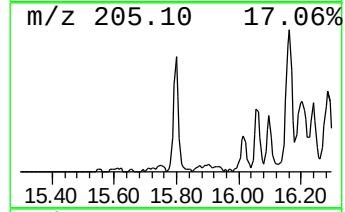
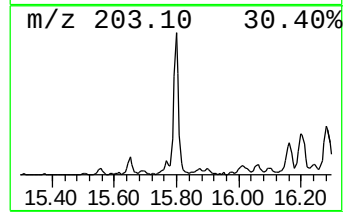
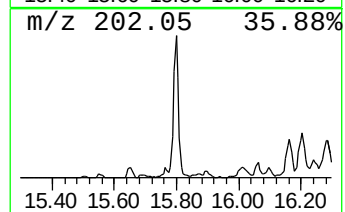
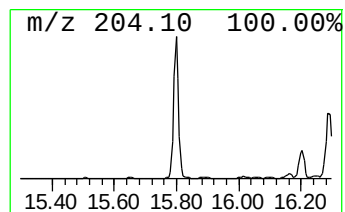
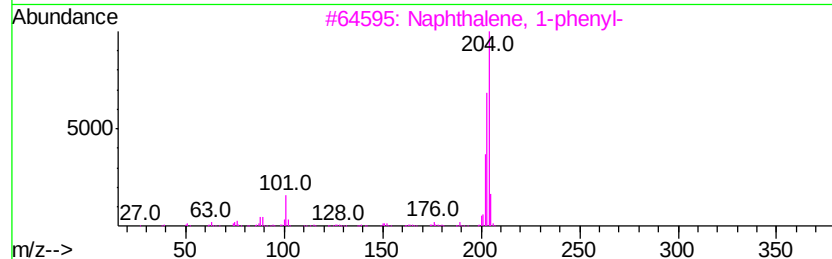
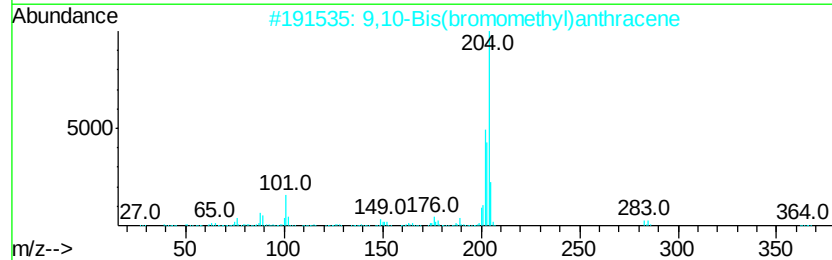
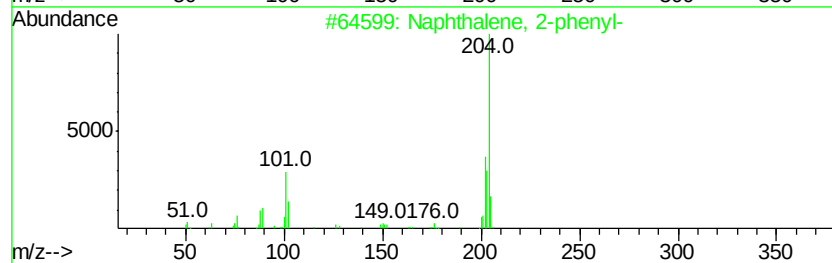
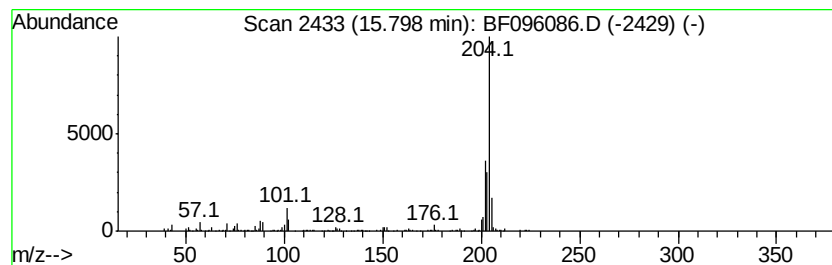
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	14.54 ng	401292	Phenanthrene-d10	14.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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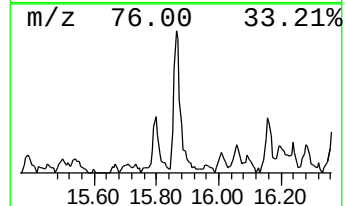
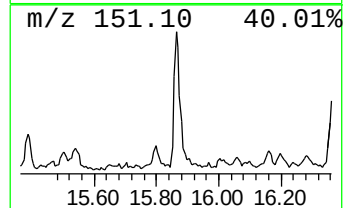
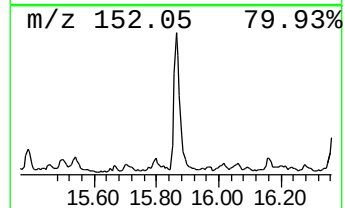
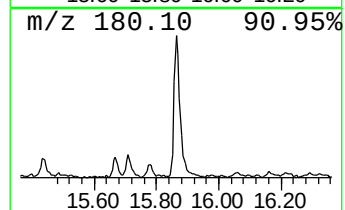
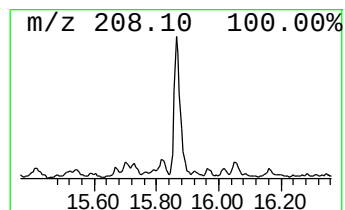
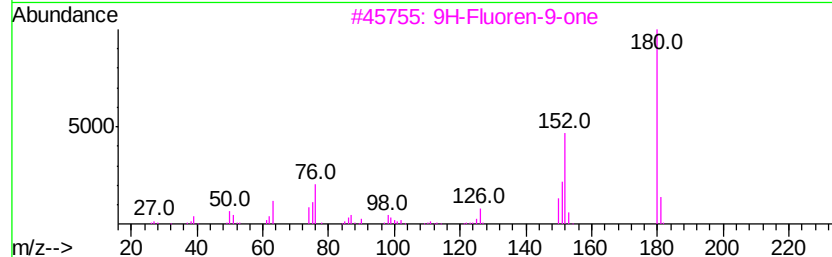
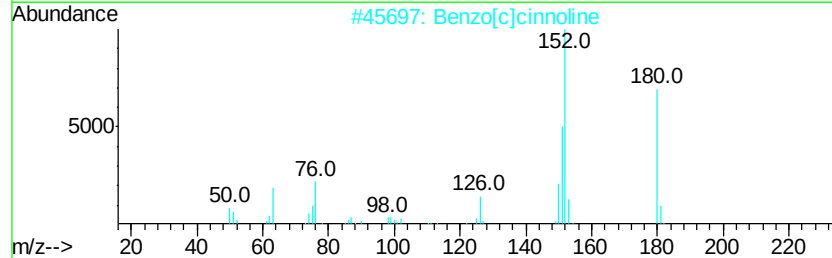
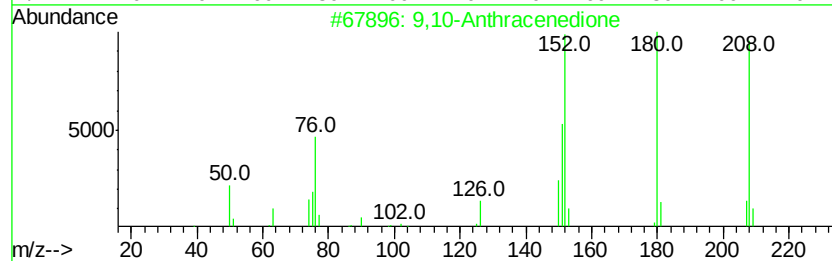
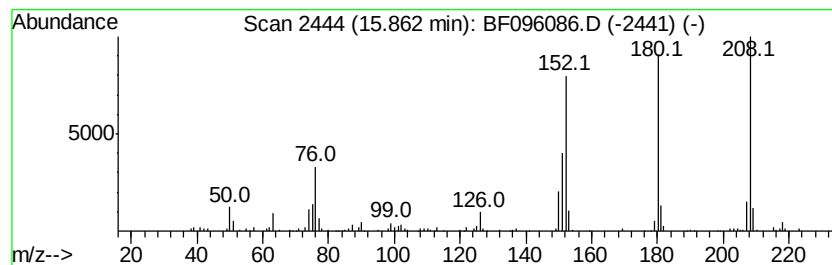
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	8.51 ng	234788	Phenanthrene-d10	14.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53



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Misc :
ALS Vial : 7 Sample Multiplier: 1

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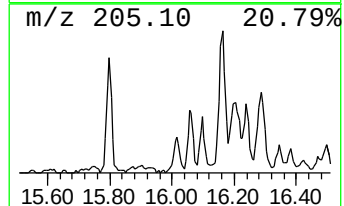
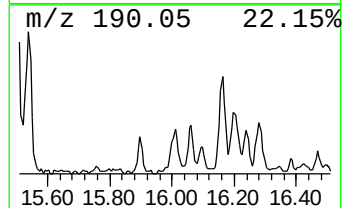
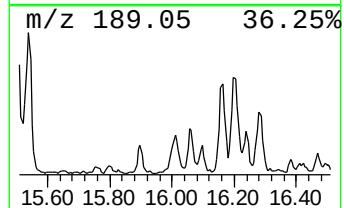
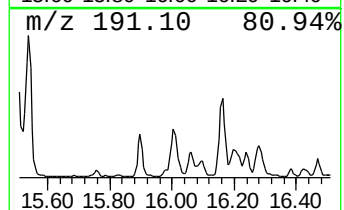
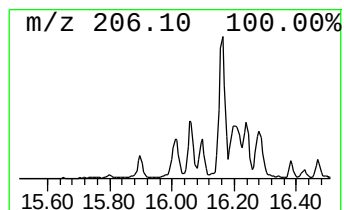
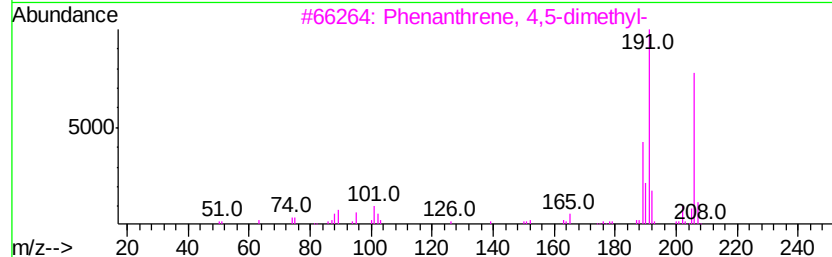
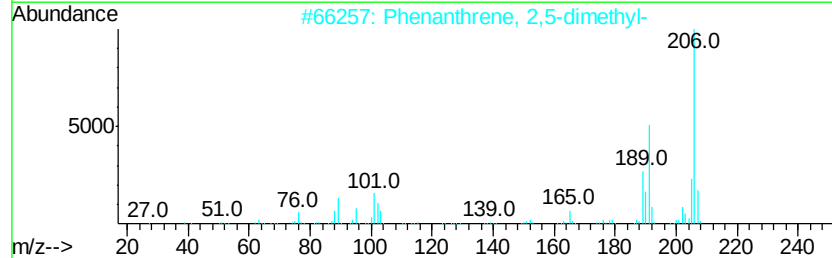
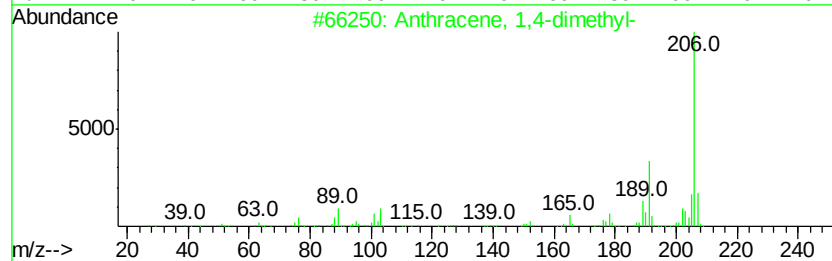
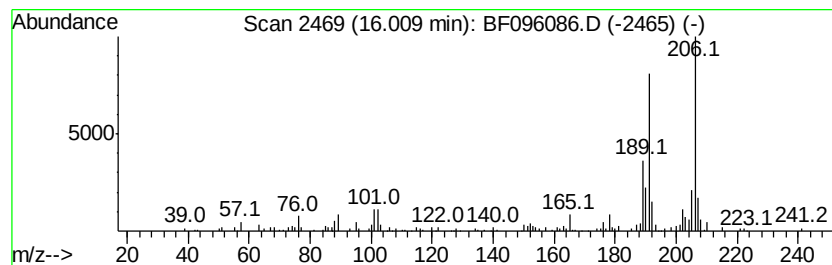
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	6.55 ng	180901	Phenanthrene-d10	14.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4			1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096086.D
Acq On : 21 Jun 2017 16:03
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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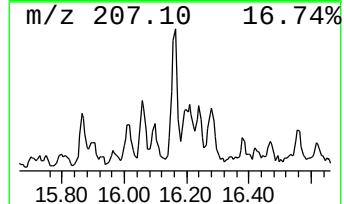
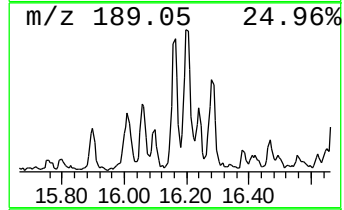
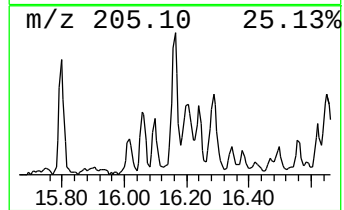
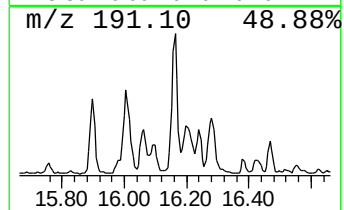
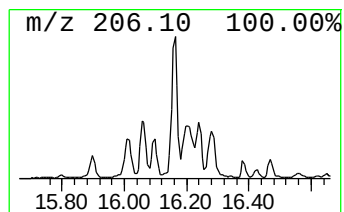
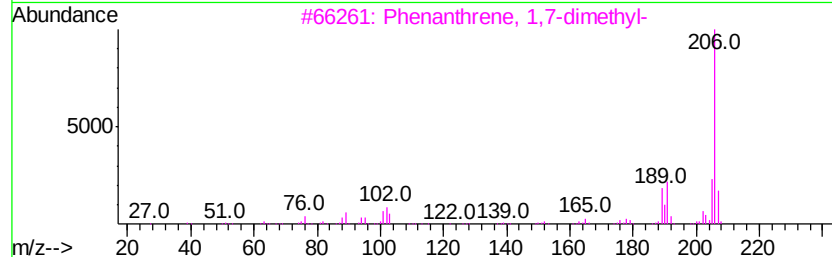
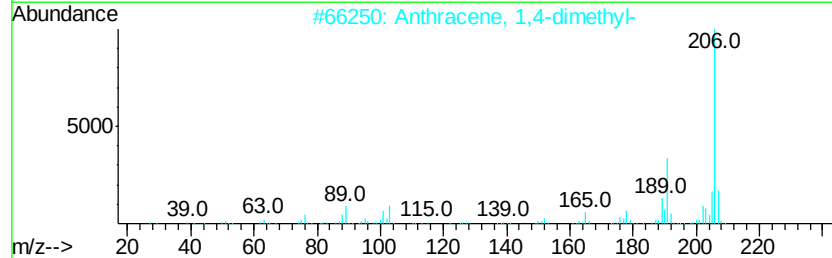
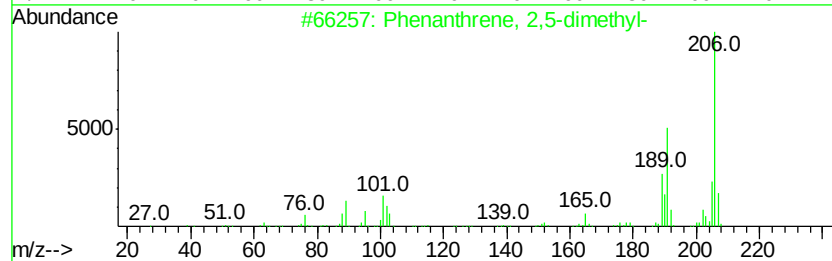
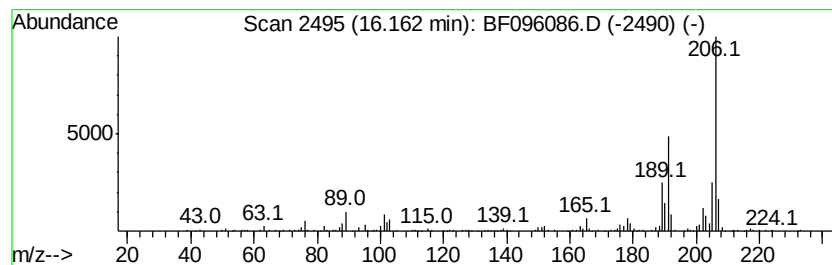
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	15.82 ng	436616	Phenanthrene-d10	14.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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Acq On : 21 Jun 2017 16:03
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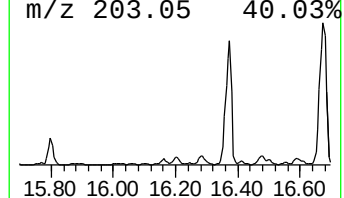
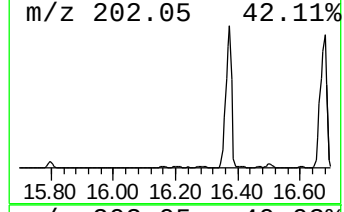
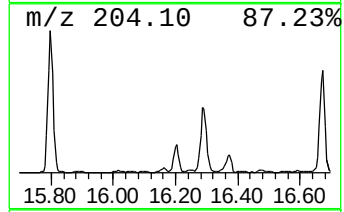
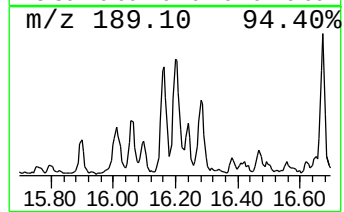
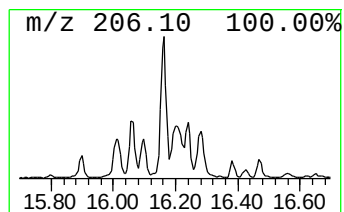
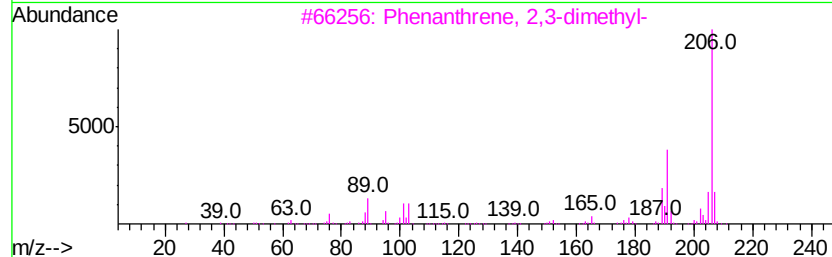
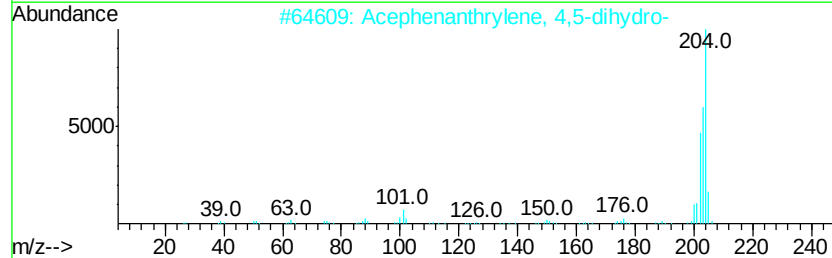
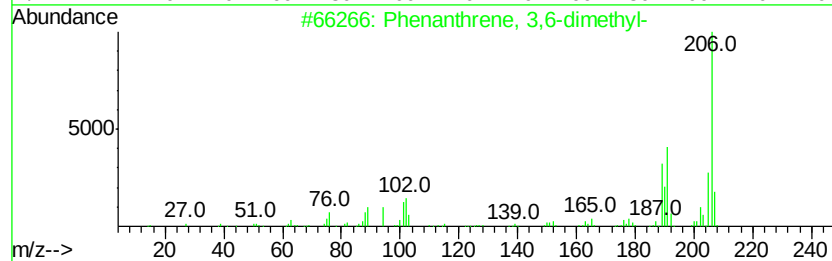
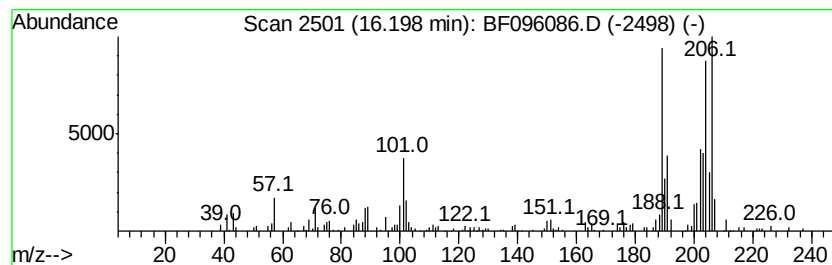
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.20	9.99 ng	275705	Phenanthrene-d10		14.53
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	53
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35



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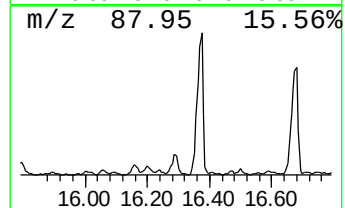
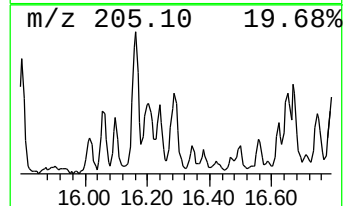
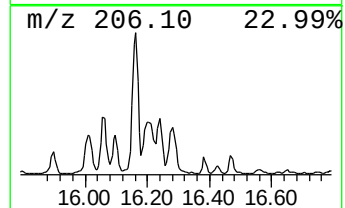
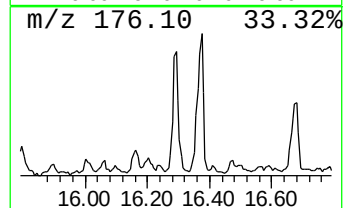
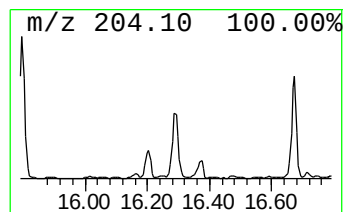
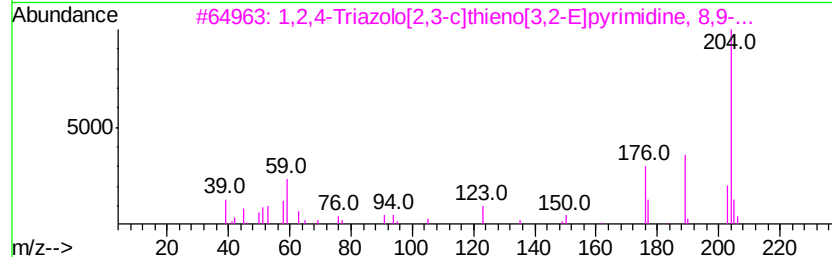
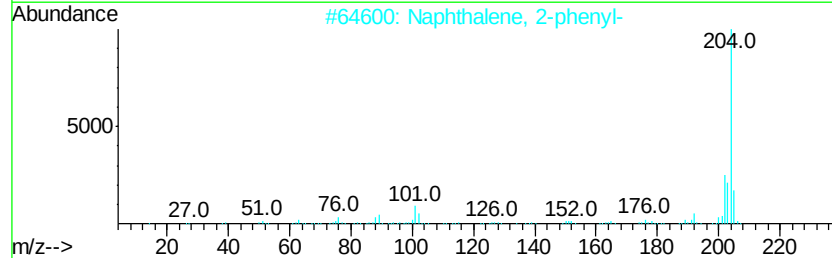
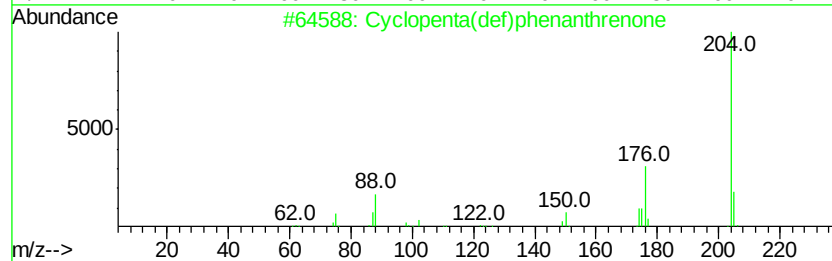
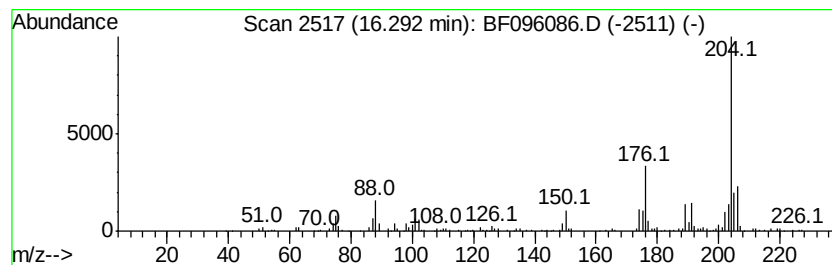
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.29	12.56 ng	346777	Phenanthrene-d10	14.53		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
3		1,2,4-Triazolo[2,3-clthieno[3,2-...	204	C9H8N4S	113246-88-1	47
4		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
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ClientSampleId :
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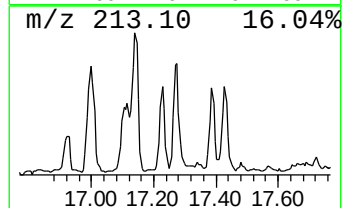
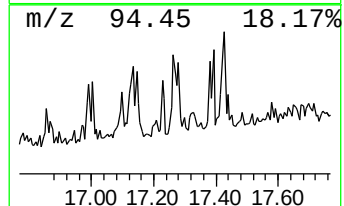
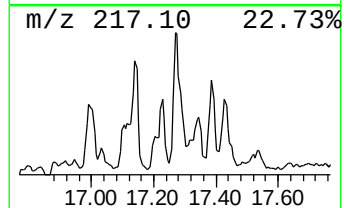
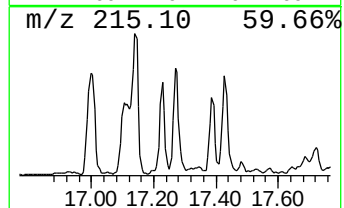
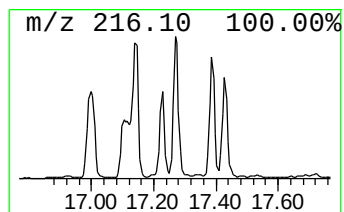
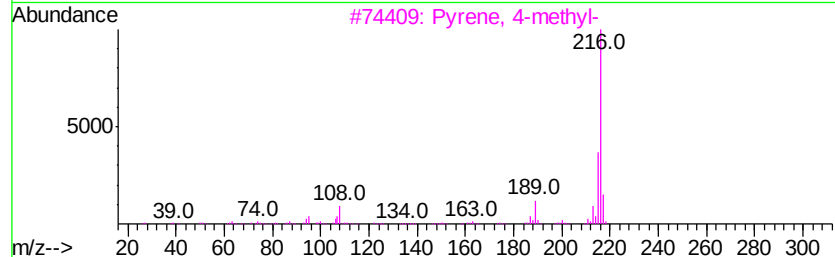
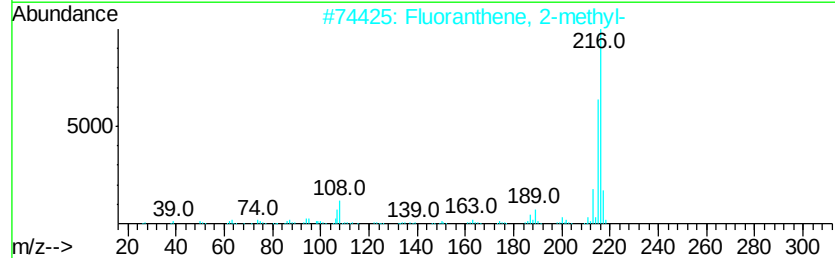
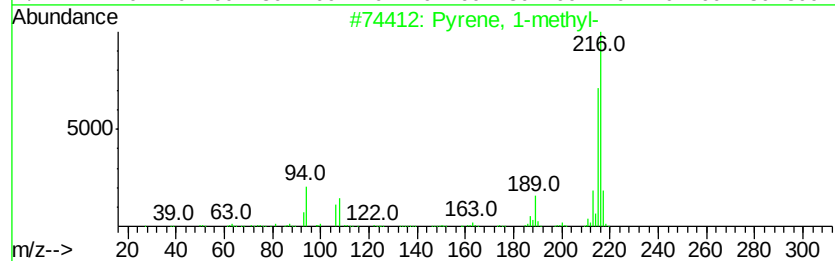
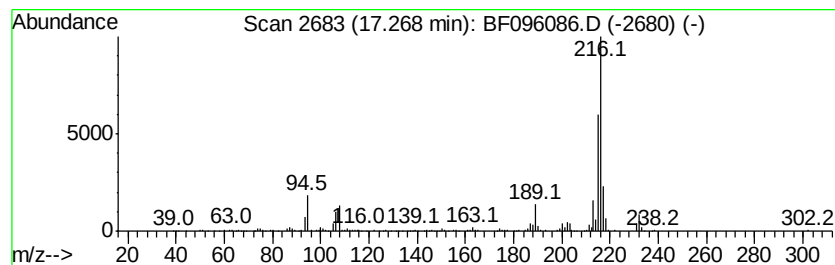
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	7.25 ng	592562	Chrysene-d12	18.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062117\
 Data File : BF096086.D
 Acq On : 21 Jun 2017 16:03
 Operator : SJ/MA
 Sample : I3782-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-DUP-20170619

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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
2-Pentanone, 4-hy...	4.46	11.3	ng	277906	1	7.29	491419	20.0
unknown6.95	6.95	98.0	ng	2407960	1	7.29	491419	20.0
9H-Fluorene, 2-me...	13.93	6.4	ng	177218	4	14.53	551978	20.0
Dibenzothiophene	14.36	7.3	ng	200647	4	14.53	551978	20.0
Phenanthrene, 2-m...	15.34	23.8	ng	657334	4	14.53	551978	20.0
Anthracene, 2-met...	15.39	26.9	ng	742138	4	14.53	551978	20.0
Phenanthrene, 3-m...	15.46	6.9	ng	190015	4	14.53	551978	20.0
4H-Cyclopenta[def...	15.50	29.6	ng	816212	4	14.53	551978	20.0
Phenanthrene, 1-m...	15.54	17.4	ng	478978	4	14.53	551978	20.0
Tridecanoic acid	15.57	8.9	ng	245331	4	14.53	551978	20.0
Naphthalene, 2-ph...	15.80	14.5	ng	401292	4	14.53	551978	20.0
9,10-Anthracenedione	15.86	8.5	ng	234788	4	14.53	551978	20.0
Anthracene, 1,4-d...	16.01	6.5	ng	180901	4	14.53	551978	20.0
Phenanthrene, 2,5...	16.16	15.8	ng	436616	4	14.53	551978	20.0
Phenanthrene, 3,6...	16.20	10.0	ng	275705	4	14.53	551978	20.0
Cyclopenta(def)ph...	16.29	12.6	ng	346777	4	14.53	551978	20.0
Pyrene, 1-methyl-	17.27	7.3	ng	592562	5	18.27	1635300	20.0