

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096029.D
 Acq On : 20 Jun 2017 5:46
 Operator : SJ/MA
 Sample : I3688-18
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-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	1.563	10	13	48	rVB	578808	1170816	21.98%	1.877%
2	5.204	629	632	659	rBV	665621	1443985	27.10%	2.315%
3	6.886	914	918	928	rBV	760679	1283179	24.09%	2.057%
4	6.969	928	932	942	rVV	1035028	1766547	33.16%	2.832%
5	7.304	985	989	1001	rBV	283021	368053	6.91%	0.590%
6	7.545	1024	1030	1050	rBV	861480	1236200	23.20%	1.981%
7	8.227	1142	1146	1162	rBV	568710	837310	15.72%	1.342%
8	9.339	1327	1335	1338	rBV	397551	483842	9.08%	0.776%
9	9.374	1338	1341	1348	rVV	107480	175408	3.29%	0.281%
10	10.504	1528	1533	1542	rVB	226014	301605	5.66%	0.483%
11	10.651	1553	1558	1565	rBV	174413	235378	4.42%	0.377%
12	11.121	1632	1638	1648	rVB	1232499	1565113	29.38%	2.509%
13	11.268	1657	1663	1670	rBV	141865	192000	3.60%	0.308%
14	11.345	1671	1676	1683	rVV	128340	181696	3.41%	0.291%
15	11.410	1683	1687	1694	rVB	128014	192981	3.62%	0.309%
16	11.516	1700	1705	1706	rBV	286152	307368	5.77%	0.493%
17	11.639	1720	1726	1730	rBV	507285	712049	13.37%	1.141%
18	11.680	1730	1733	1738	rVB	356472	425304	7.98%	0.682%
19	11.816	1750	1756	1762	rBV2	308453	559019	10.49%	0.896%
20	11.939	1772	1777	1785	rVV3	176576	348615	6.54%	0.559%
21	12.157	1804	1814	1817	rBV2	365566	549961	10.32%	0.882%
22	12.186	1817	1819	1820	rVV	254194	244451	4.59%	0.392%
23	12.210	1820	1823	1830	rVB2	433454	562167	10.55%	0.901%
24	12.368	1845	1850	1856	rVB2	151455	273961	5.14%	0.439%
25	12.504	1866	1873	1876	rBV	468974	663122	12.45%	1.063%
26	12.533	1876	1878	1882	rVB	199823	198872	3.73%	0.319%
27	12.592	1882	1888	1892	rBV	241213	310761	5.83%	0.498%
28	12.710	1899	1908	1912	rBV	197777	324388	6.09%	0.520%
29	12.757	1912	1916	1920	rVV	172150	187585	3.52%	0.301%
30	12.851	1924	1932	1935	rVV	139844	266996	5.01%	0.428%
31	13.015	1952	1960	1962	rBV3	137748	311443	5.85%	0.499%
32	13.051	1962	1966	1976	rVB3	598198	865126	16.24%	1.387%
33	13.139	1976	1981	1983	rBV2	151685	230747	4.33%	0.370%
34	13.186	1987	1989	1993	rVV2	145574	178830	3.36%	0.287%

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35	13.327	2008	2013	2017	rBV	339254	473225	8.88%	0.759%
36	13.462	2030	2036	2042	rBV2	666100	1158488	21.75%	1.857%
37	13.521	2042	2046	2052	rVB3	115296	198910	3.73%	0.319%
38	13.680	2069	2073	2077	rBV2	263172	312918	5.87%	0.502%
39	13.804	2087	2094	2102	rBV3	215517	522486	9.81%	0.837%
40	13.951	2113	2119	2122	rBV2	111855	193470	3.63%	0.310%
41	13.992	2122	2126	2131	rVB4	96399	181382	3.40%	0.291%
42	14.180	2153	2158	2161	rVV3	218634	302911	5.69%	0.486%
43	14.215	2161	2164	2166	rVV	130729	165815	3.11%	0.266%
44	14.245	2166	2169	2172	rVV3	103639	167474	3.14%	0.268%
45	14.280	2172	2175	2180	rVB4	119480	183001	3.43%	0.293%
46	14.357	2181	2188	2190	rBV2	165278	284287	5.34%	0.456%
47	14.380	2190	2192	2198	rVB	263886	342793	6.43%	0.549%
48	14.439	2198	2202	2209	rVB3	111125	177787	3.34%	0.285%
49	14.562	2219	2223	2224	rBV	252569	330133	6.20%	0.529%
50	14.621	2224	2233	2236	rVB	2740426	5327576	100.00%	8.539%
51	14.686	2236	2244	2253	rVB	882770	1113352	20.90%	1.785%
52	15.056	2304	2307	2310	rVB	177904	184973	3.47%	0.296%
53	15.092	2310	2313	2318	rVB2	121508	160971	3.02%	0.258%
54	15.368	2354	2360	2363	rVV	765201	977636	18.35%	1.567%
55	15.409	2363	2367	2375	rVB	1002000	1193296	22.40%	1.913%
56	15.480	2375	2379	2381	rBV	229882	249597	4.69%	0.400%
57	15.515	2381	2385	2389	rVV2	569295	803257	15.08%	1.288%
58	15.562	2389	2393	2396	rVB	456965	528713	9.92%	0.847%
59	15.656	2402	2409	2416	rBV3	171922	306754	5.76%	0.492%
60	15.815	2432	2436	2444	rVV	630353	792497	14.88%	1.270%
61	15.880	2444	2447	2451	rVV	286462	376686	7.07%	0.604%
62	16.027	2468	2472	2477	rBV3	134986	227354	4.27%	0.364%
63	16.074	2477	2480	2484	rVV2	202474	239381	4.49%	0.384%
64	16.180	2493	2498	2501	rBV	378339	496562	9.32%	0.796%
65	16.221	2501	2505	2509	rVV2	156394	225496	4.23%	0.361%
66	16.309	2515	2520	2526	rVB2	234653	385198	7.23%	0.617%
67	16.403	2526	2536	2539	rBV	2623168	4915844	92.27%	7.880%
68	16.427	2539	2540	2545	rVB	213611	166710	3.13%	0.267%
69	16.486	2545	2550	2553	rBV3	217889	309556	5.81%	0.496%
70	16.574	2562	2565	2569	rBV	145196	197428	3.71%	0.316%
71	16.703	2579	2587	2591	rBV2	2407827	4185137	78.56%	6.708%

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72	16.774	2594	2599	2602	rBV3	156938	239610	4.50%	0.384%
73	16.880	2613	2617	2621	rVB	257671	291372	5.47%	0.467%
74	16.939	2622	2627	2633	rVB	920920	1118847	21.00%	1.793%
75	17.015	2633	2640	2651	rVB4	324058	689233	12.94%	1.105%
76	17.127	2651	2659	2662	rBV4	323247	671186	12.60%	1.076%
77	17.245	2675	2679	2682	rVV	206366	246420	4.63%	0.395%
78	17.292	2682	2687	2694	rVV2	469024	807794	15.16%	1.295%
79	17.403	2703	2706	2710	rVV	271943	305813	5.74%	0.490%
80	17.445	2710	2713	2718	rVV	201556	232051	4.36%	0.372%
81	17.674	2746	2752	2755	rBV6	92612	192762	3.62%	0.309%
82	17.845	2777	2781	2786	rVB	502388	592091	11.11%	0.949%
83	17.956	2797	2800	2803	rBV2	221385	254950	4.79%	0.409%
84	17.992	2803	2806	2809	rVV	393057	413196	7.76%	0.662%
85	18.021	2809	2811	2814	rVV	178738	167470	3.14%	0.268%
86	18.062	2814	2818	2823	rVB2	140714	172198	3.23%	0.276%
87	18.127	2825	2829	2835	rVB2	299186	394412	7.40%	0.632%
88	18.280	2850	2855	2859	rBV2	1230888	1970310	36.98%	3.158%
89	18.327	2859	2863	2871	rVB	1364727	1739834	32.66%	2.789%
90	18.792	2936	2942	2945	rBV	319490	421766	7.92%	0.676%
91	18.833	2946	2949	2952	rVB	221057	212591	3.99%	0.341%
92	18.944	2964	2968	2971	rBV2	127873	171486	3.22%	0.275%
93	19.321	3029	3032	3036	rVB2	156601	169813	3.19%	0.272%
94	19.427	3047	3050	3060	rVB2	200780	305959	5.74%	0.490%
95	19.556	3067	3072	3075	rBV	898084	1291507	24.24%	2.070%
96	19.844	3117	3121	3125	rBV	542340	616278	11.57%	0.988%
97	19.903	3128	3131	3135	rVV	433587	481279	9.03%	0.771%
98	19.956	3137	3140	3143	rVV2	204753	220134	4.13%	0.353%
99	21.121	3333	3338	3344	rVB	220412	362707	6.81%	0.581%
100	21.450	3390	3394	3410	rVB	131545	320754	6.02%	0.514%

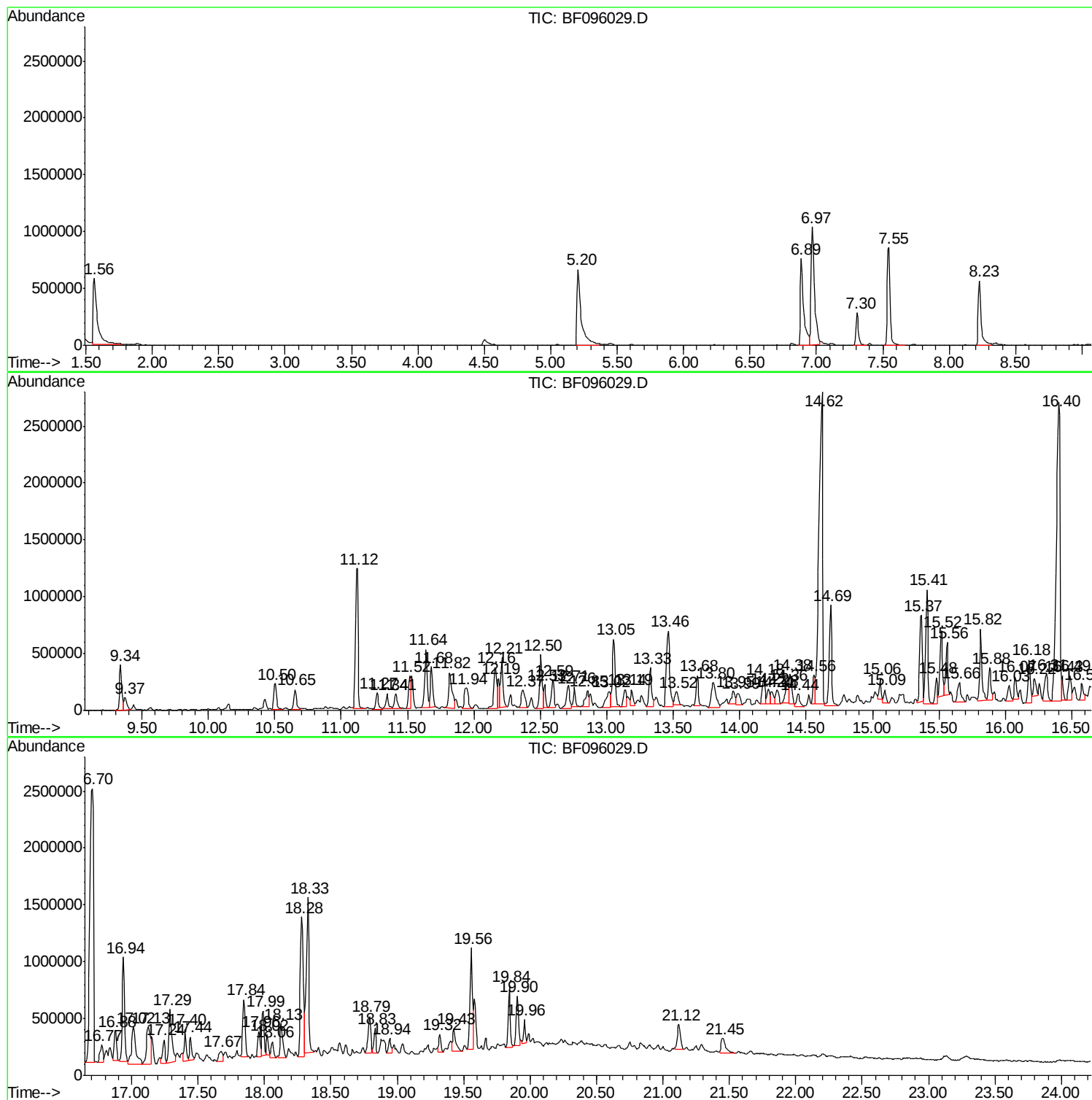
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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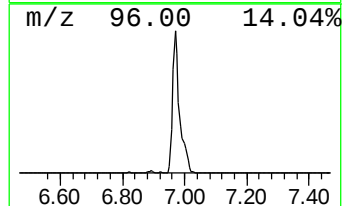
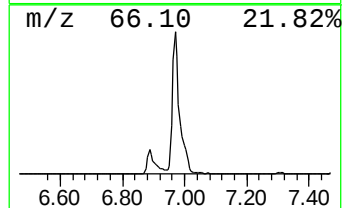
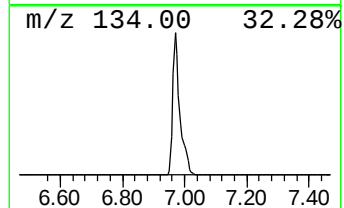
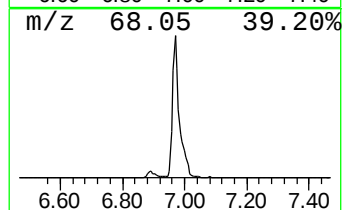
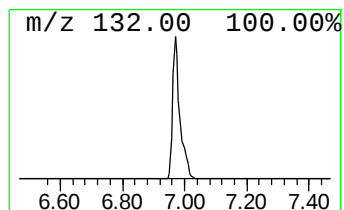
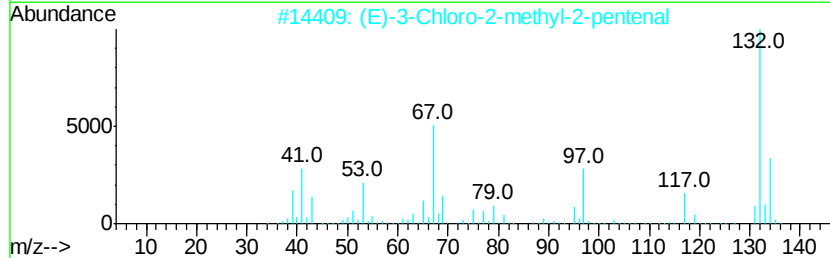
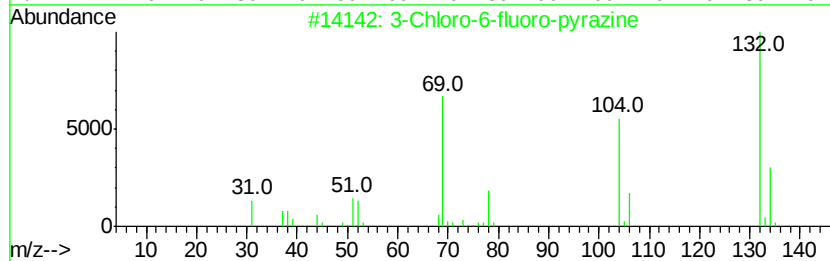
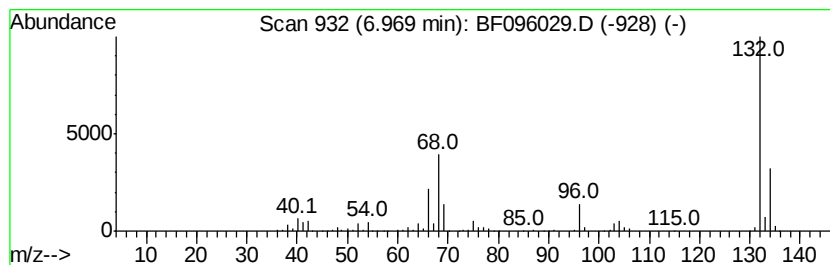
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.97 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	95.99 ng	1766550	1,4-Dichlorobenzene-d4	7.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
2			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3			5-Aminoindole	132	C8H8N2	005192-03-0	10
4			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5			1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10



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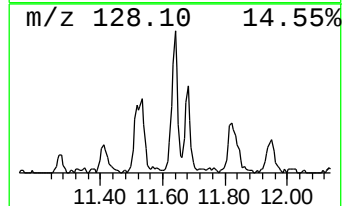
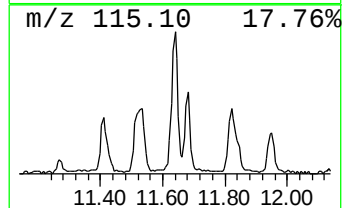
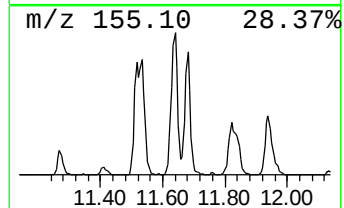
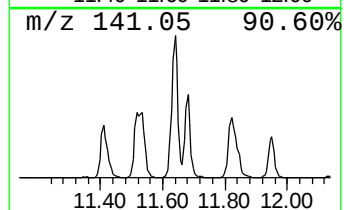
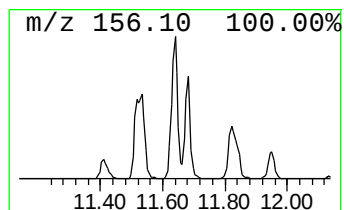
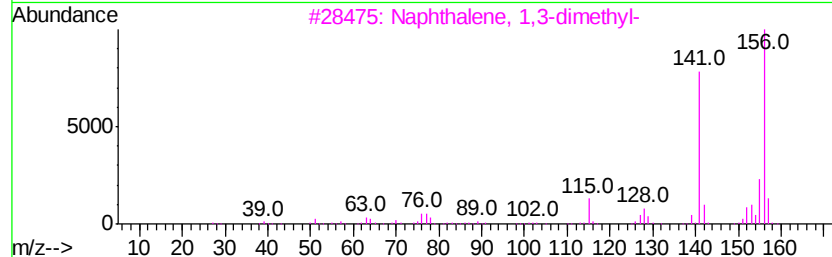
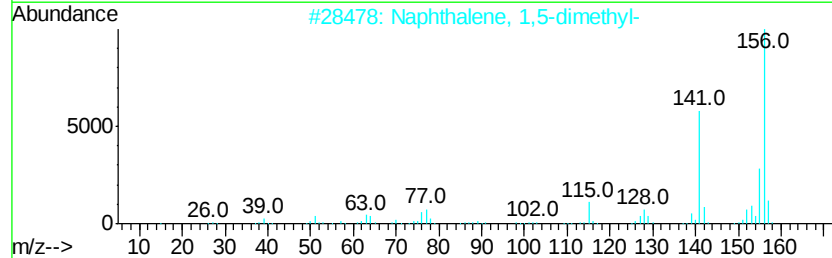
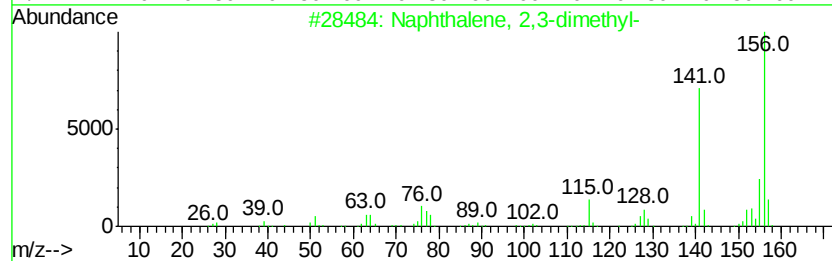
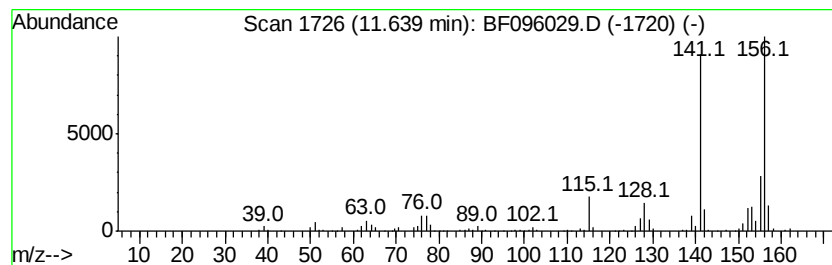
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	25.89 ng	712049	Acenaphthene-d10	12.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



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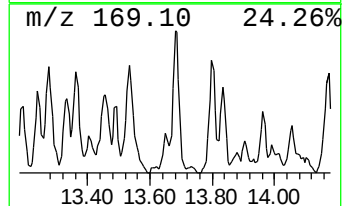
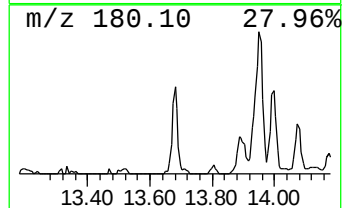
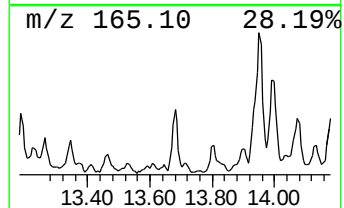
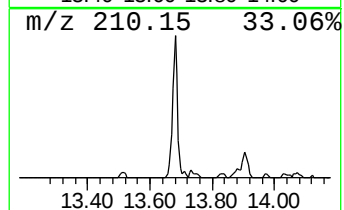
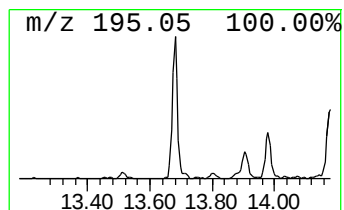
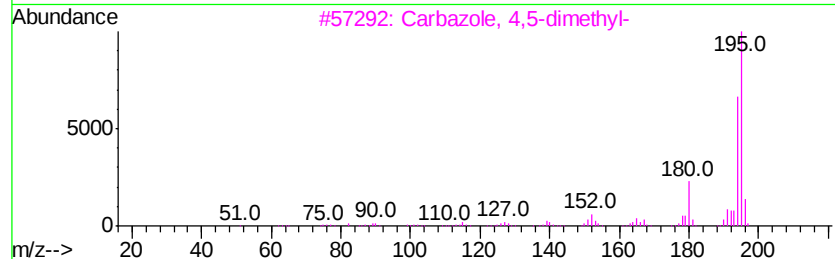
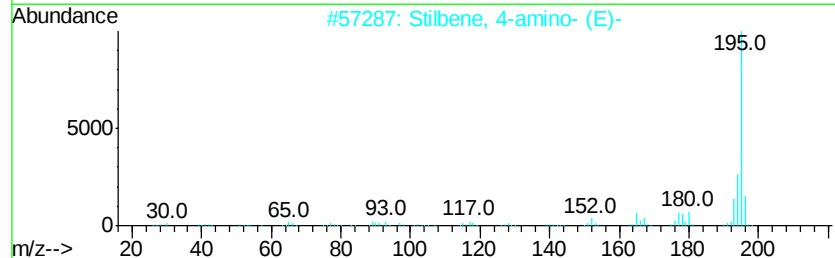
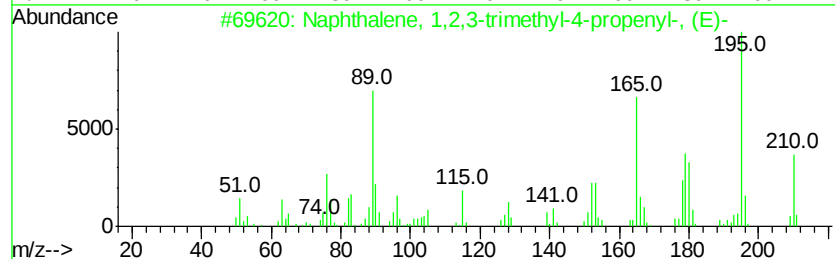
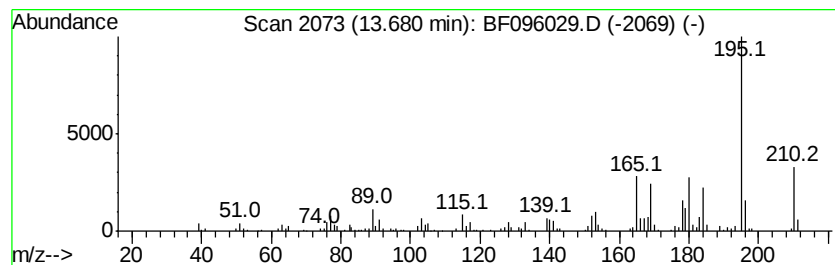
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Peak Number 5 Naphthalene, 1,2,3-trimethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.68	18.96 ng	312918	Phenanthrene-d10		14.56
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	86
2	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	58
3	Carbazole, 4,5-dimethyl-	195	C14H13N	018992-66-0	49
4	Benzenamine, 3-(2-phenylethenyl)...	195	C14H13N	014064-82-5	46
5	2,4-Dimethoxyphenyl isothiocyanate	195	C9H9NO2S	033904-03-9	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096029.D
Acq On : 20 Jun 2017 5:46
Operator : SJ/MA
Sample : I3688-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

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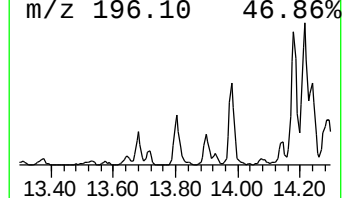
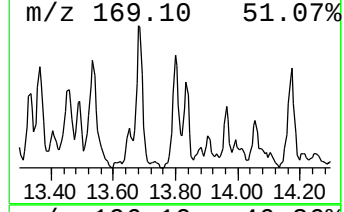
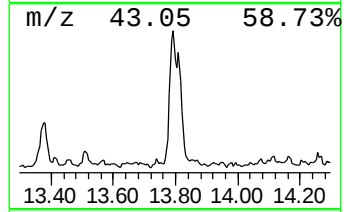
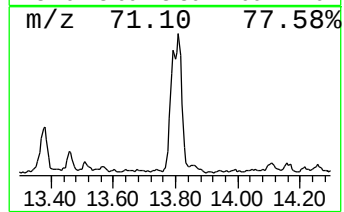
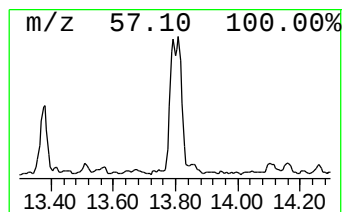
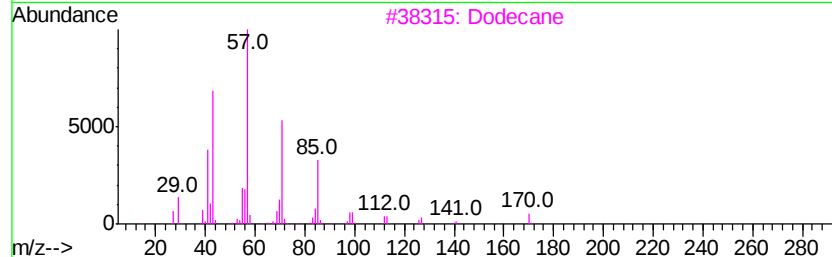
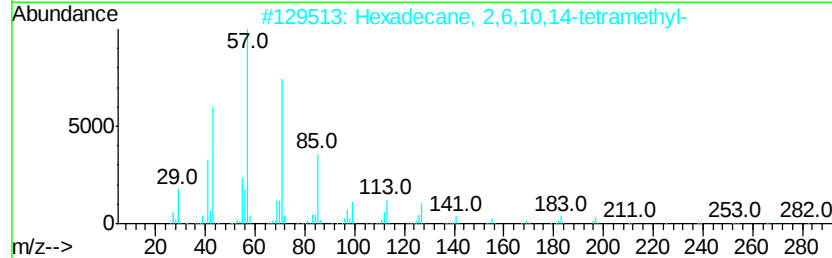
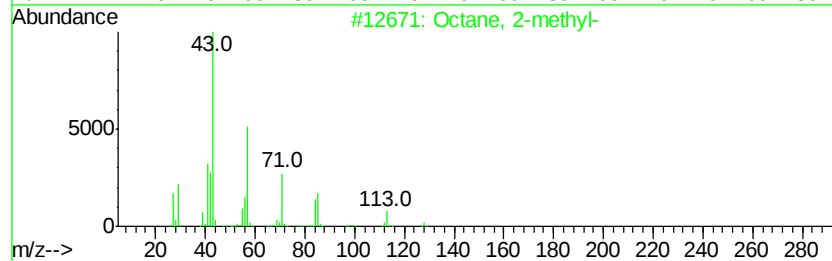
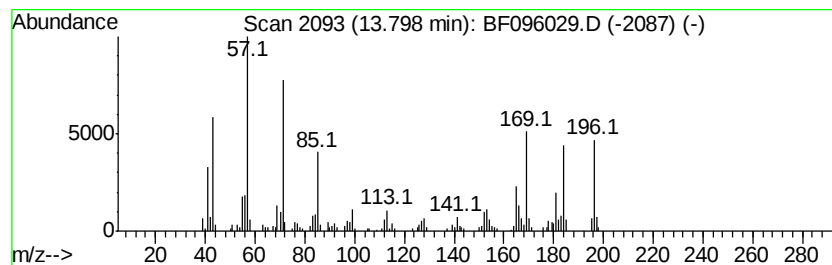
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	31.65 ng	522486	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	30
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	30
3		Dodecane	170	C12H26	000112-40-3	30
4		Heptacosane	380	C27H56	000593-49-7	30
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
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Acq On : 20 Jun 2017 5:46
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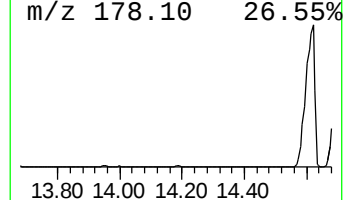
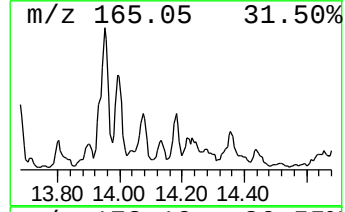
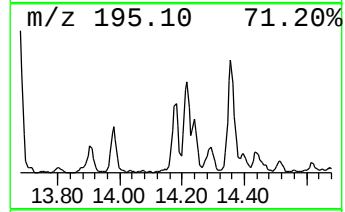
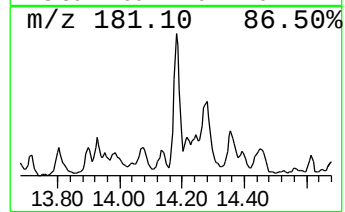
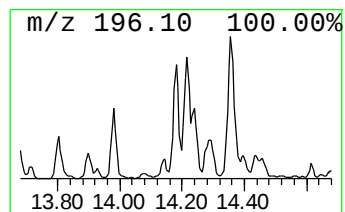
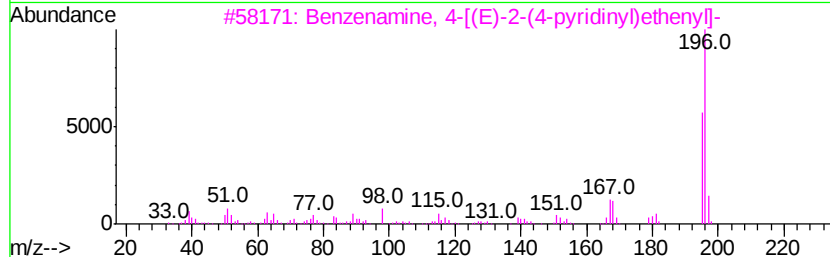
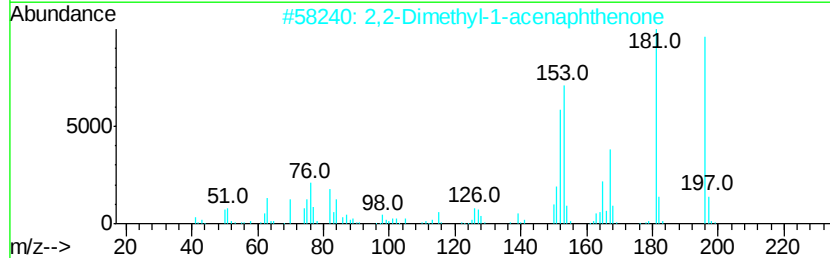
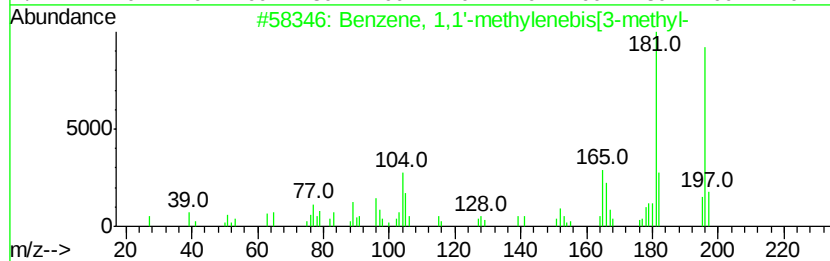
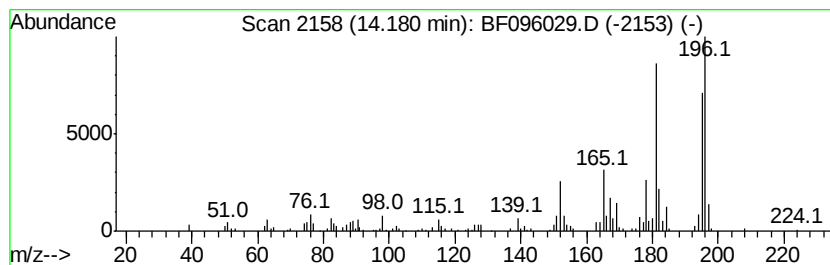
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,1'-methylenebis[... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	18.35 ng	302911	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,1'-methylenebis[3-met...	196	C15H16	021895-14-7	58
2		2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	53
3		Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46
4		1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	43
5		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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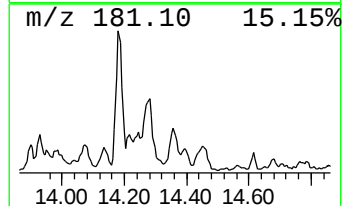
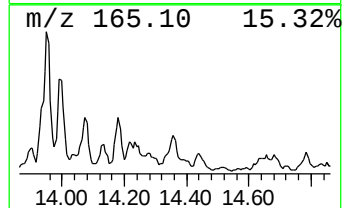
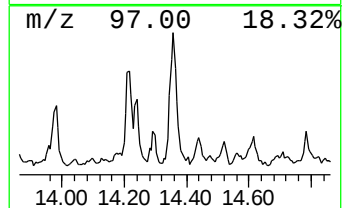
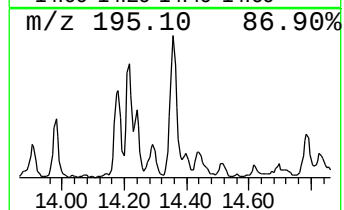
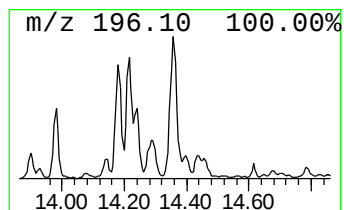
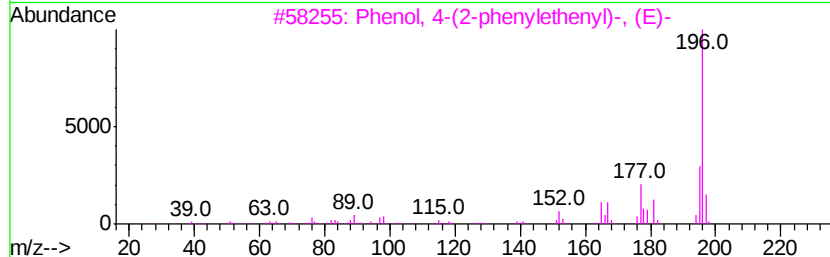
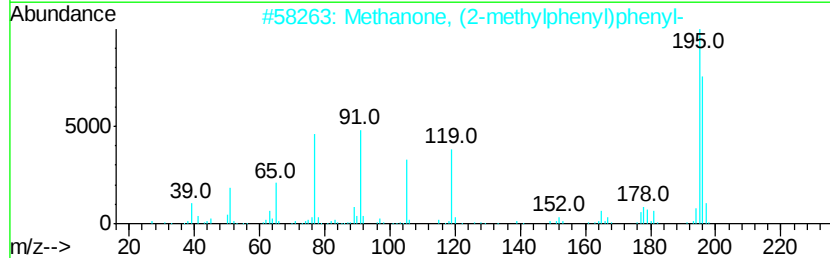
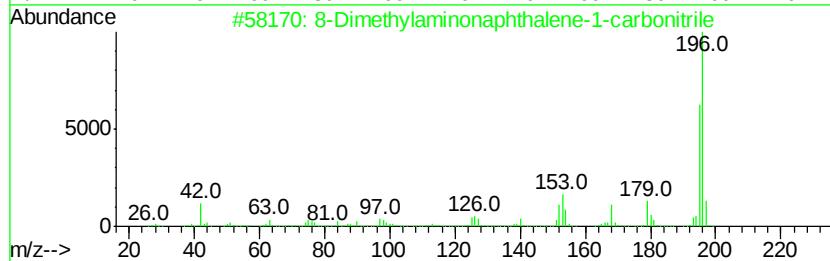
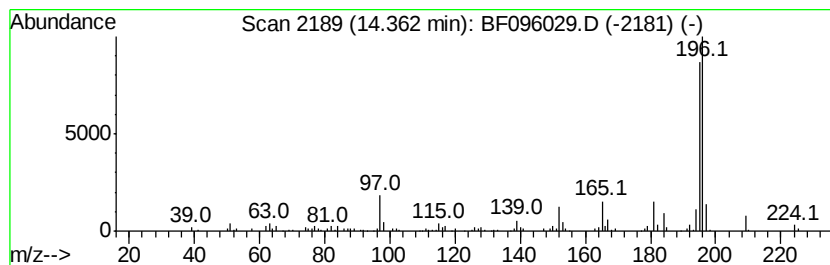
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 8-Dimethylaminonaphthalene-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.36	17.22 ng	284287	Phenanthrene-d10	14.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2		Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	58
3		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4		Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5		Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096029.D
Acq On : 20 Jun 2017 5:46
Operator : SJ/MA
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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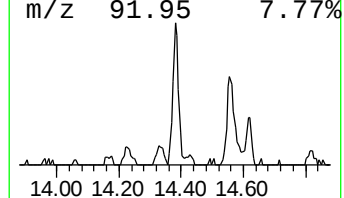
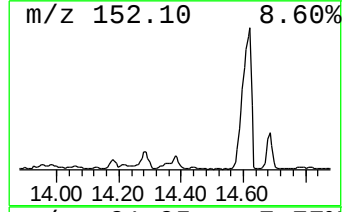
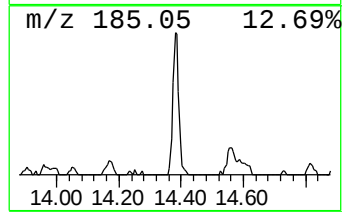
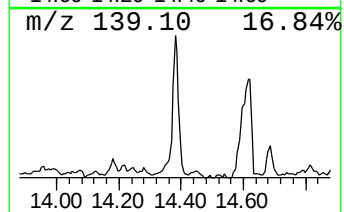
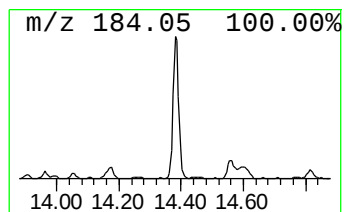
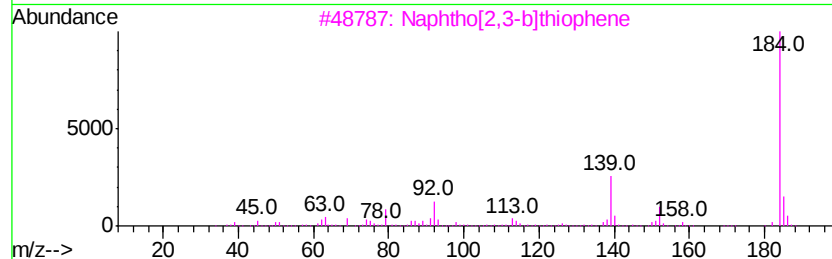
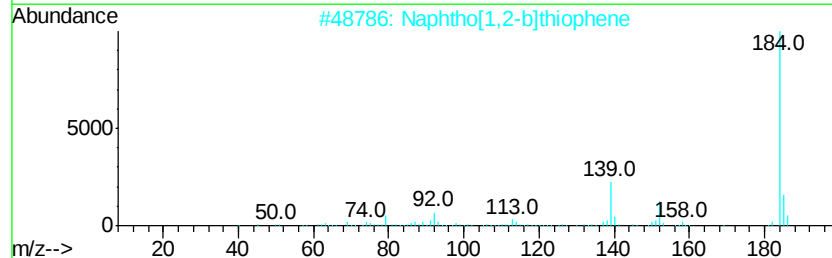
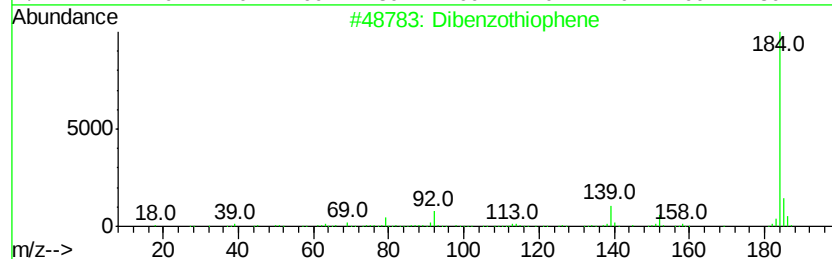
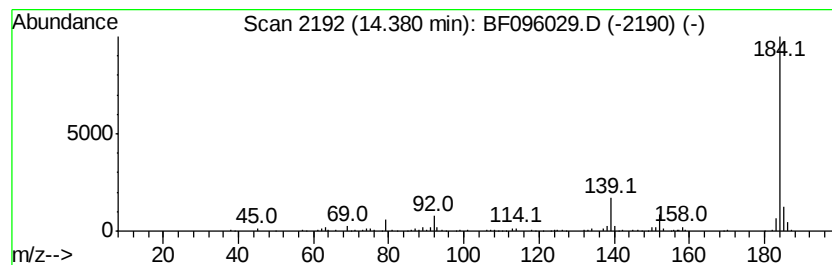
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	20.77 ng	342793	Phenanthrene-d10	14.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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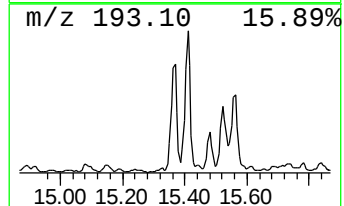
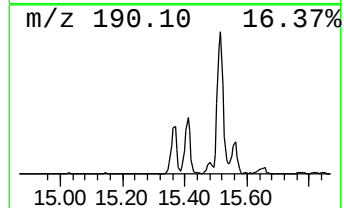
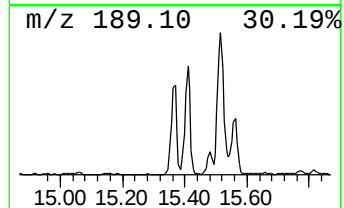
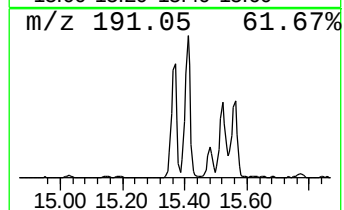
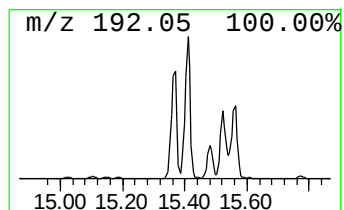
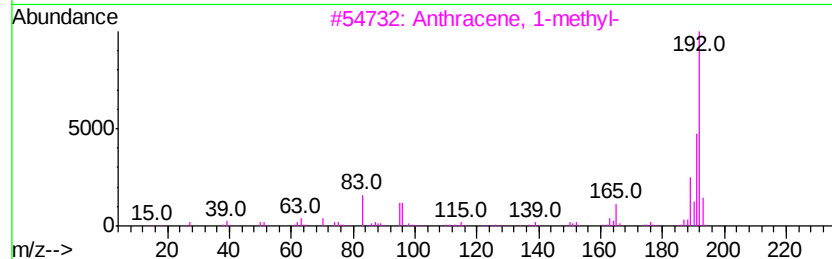
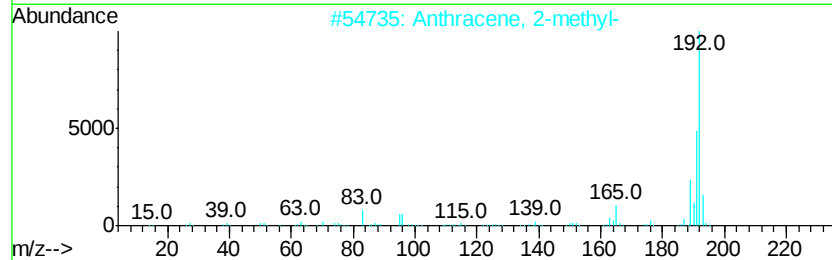
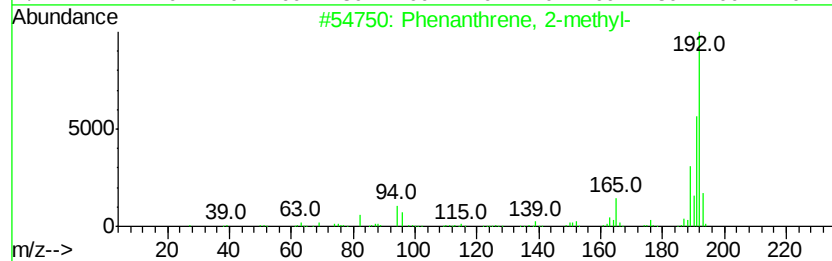
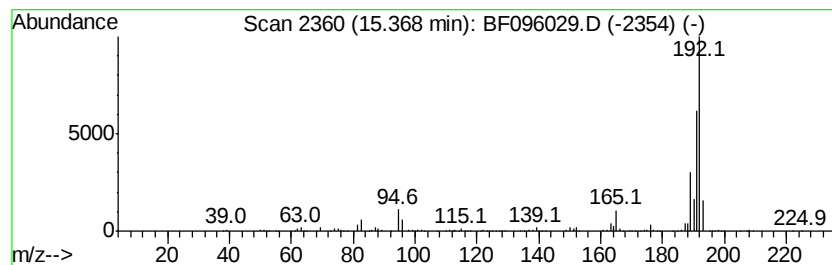
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	59.23 ng	977636	Phenanthrene-d10	14.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



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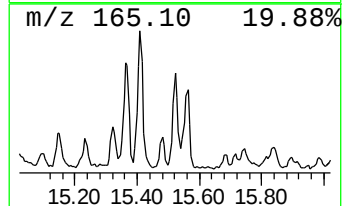
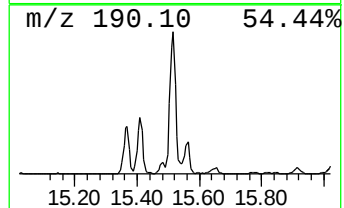
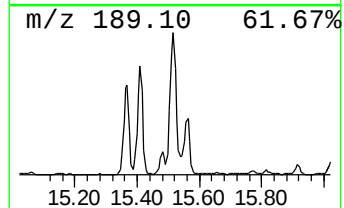
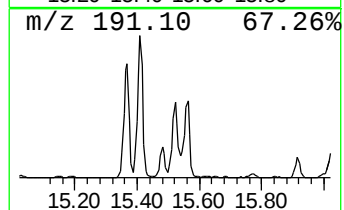
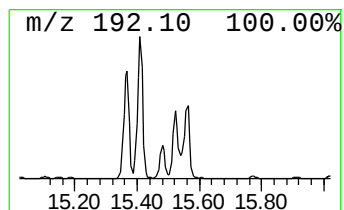
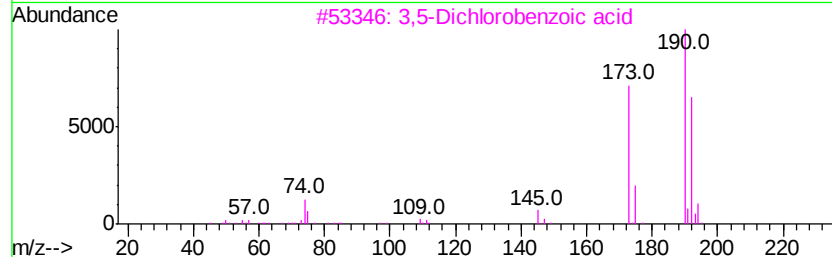
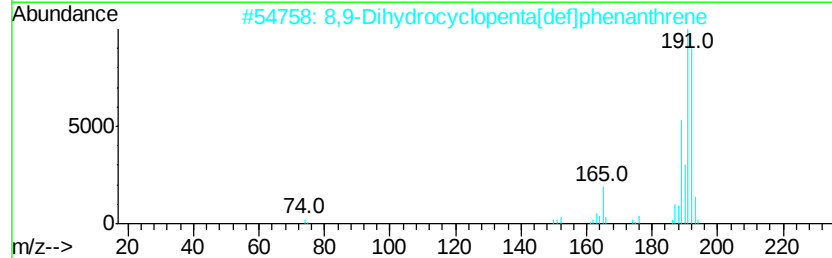
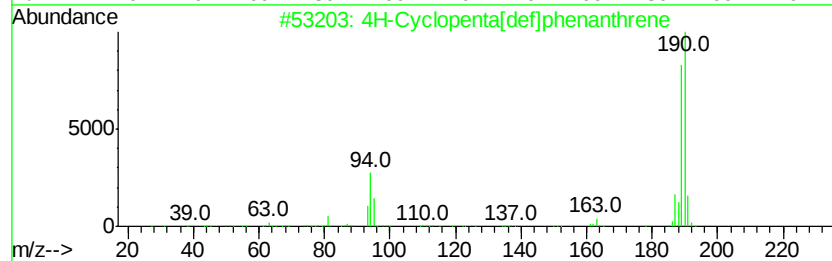
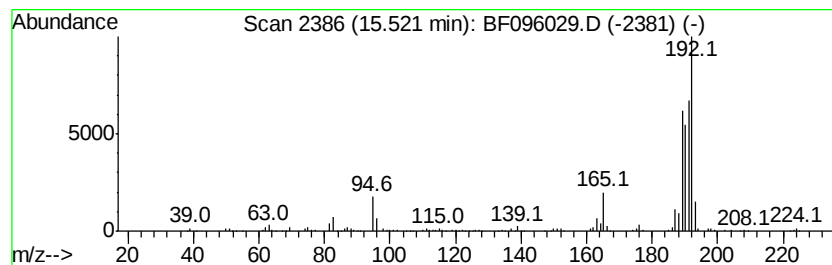
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	48.66 ng	803257	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35
3		3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25



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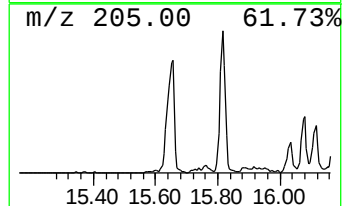
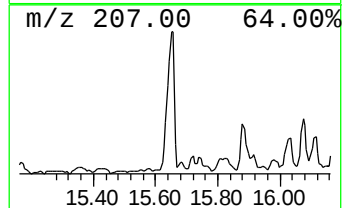
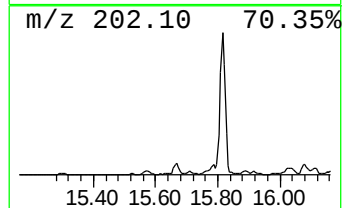
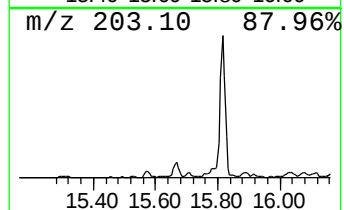
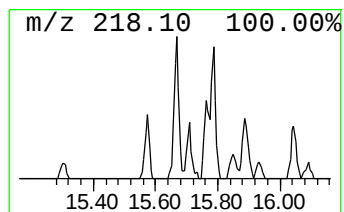
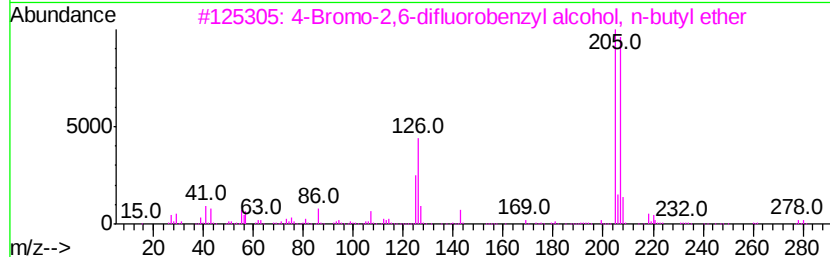
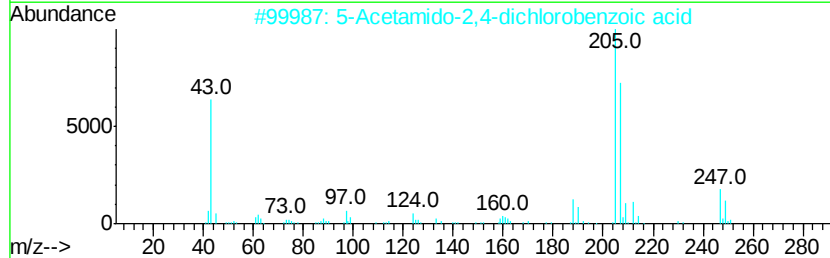
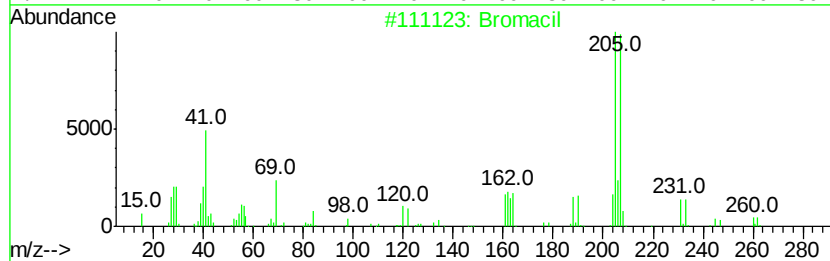
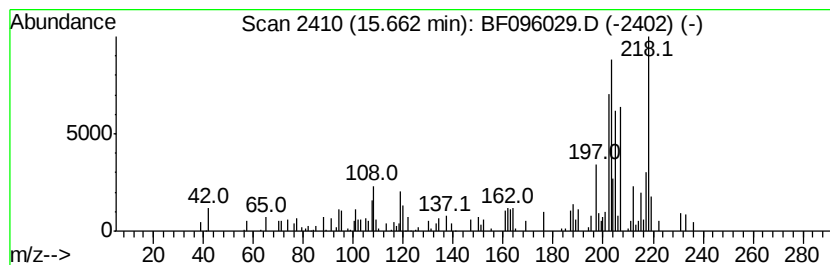
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Bromacil Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	18.58 ng	306754	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bromacil	260	C9H13BrN2O2	000314-40-9	90
2		5-Acetamido-2,4-dichlorobenzoic ...	247	C9H7Cl2N O3	050602-49-8	59
3		4-Bromo-2,6-difluorobenzyl alcoh...	278	C11H13BrF2O	1000375-28-6	45
4		Trichothec-9-en-8-one, 12,13-epo...	312	C15H20O7	023282-20-4	30
5		Benzonitrile, 4-(2-phenylethenyl...	205	C15H11N	013041-79-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096029.D
Acq On : 20 Jun 2017 5:46
Operator : SJ/MA
Sample : I3688-18
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
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ClientSampleId :
G11-1.5-3

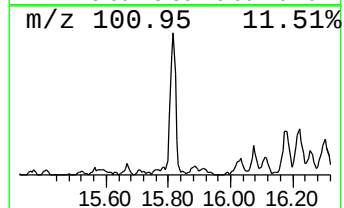
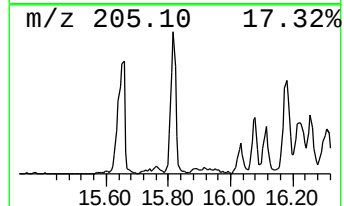
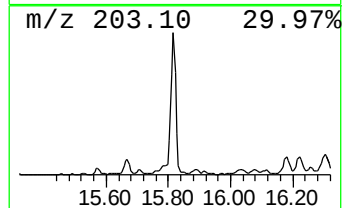
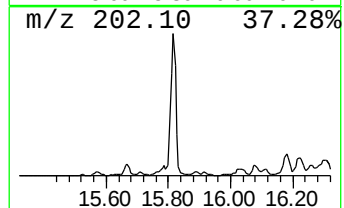
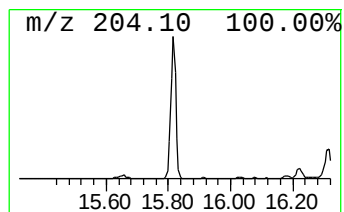
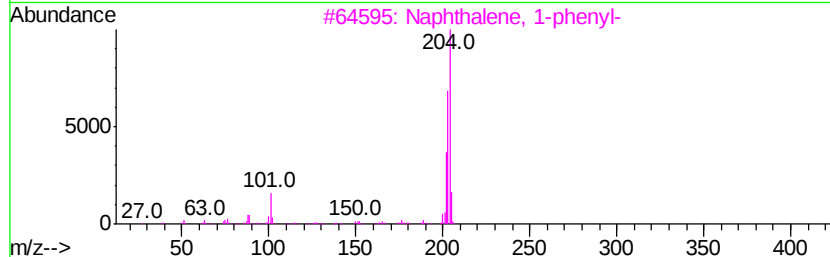
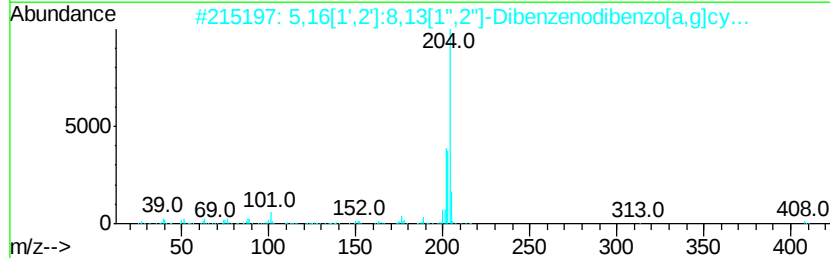
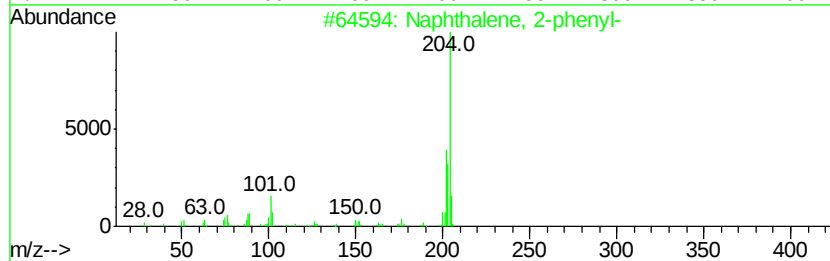
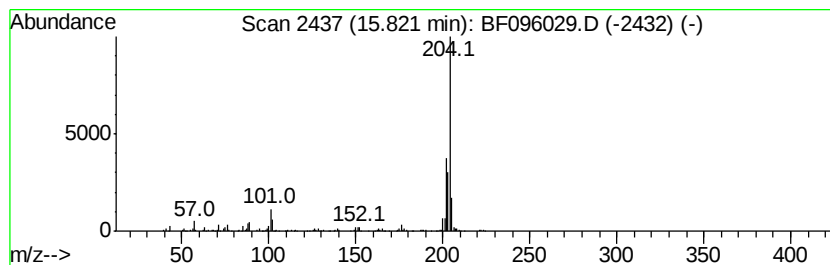
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	48.01 ng	792497	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096029.D
Acq On : 20 Jun 2017 5:46
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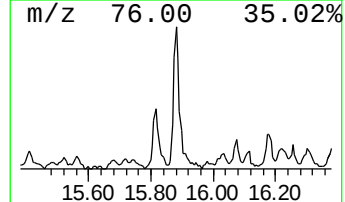
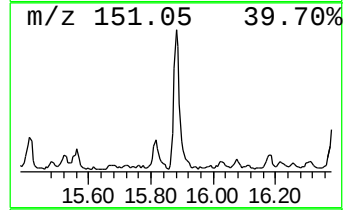
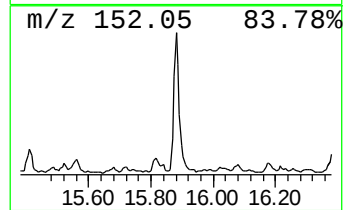
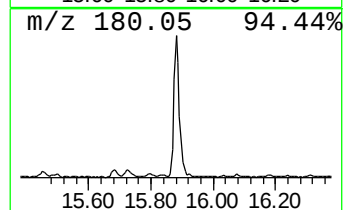
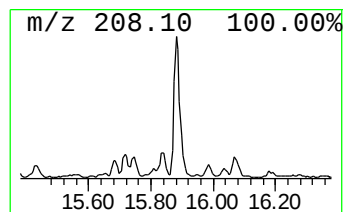
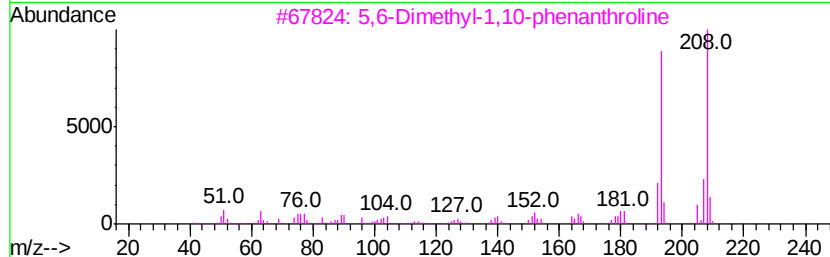
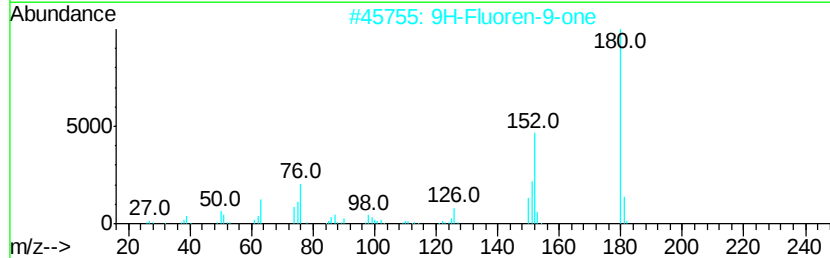
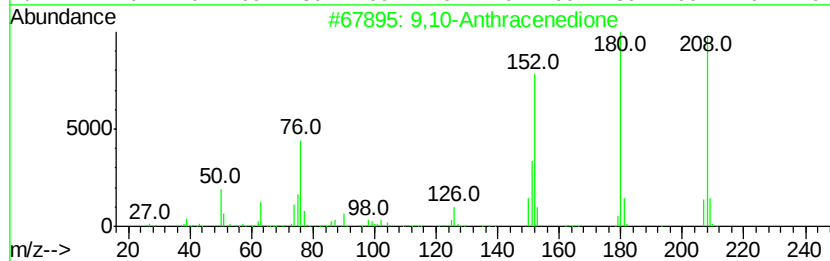
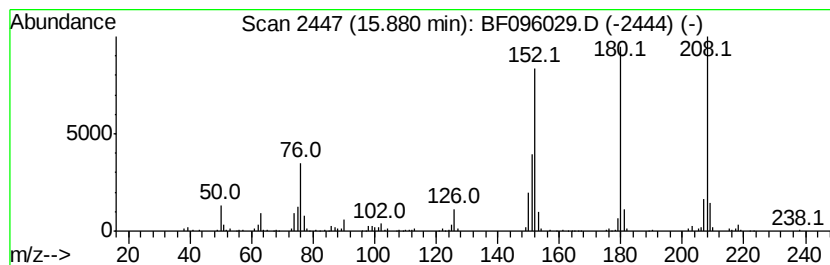
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	22.82 ng	376686	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	64
4		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
5		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60



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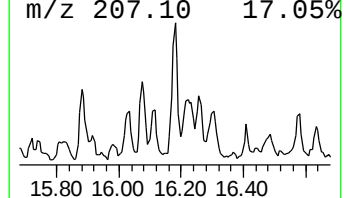
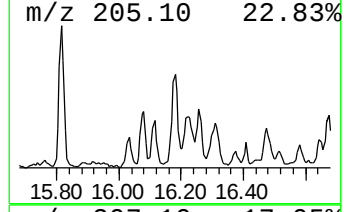
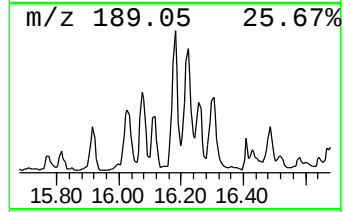
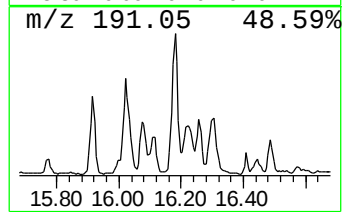
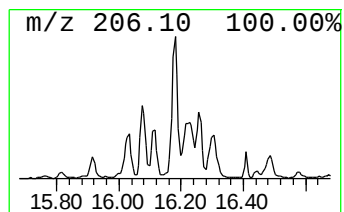
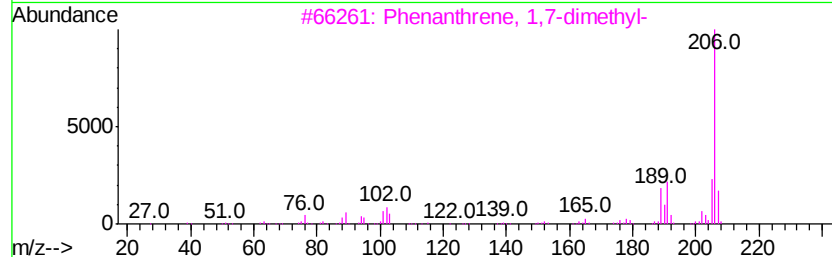
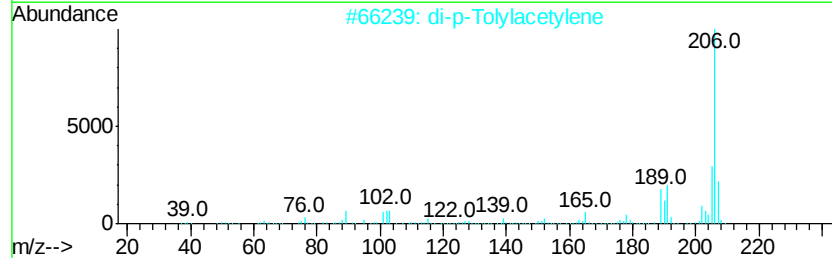
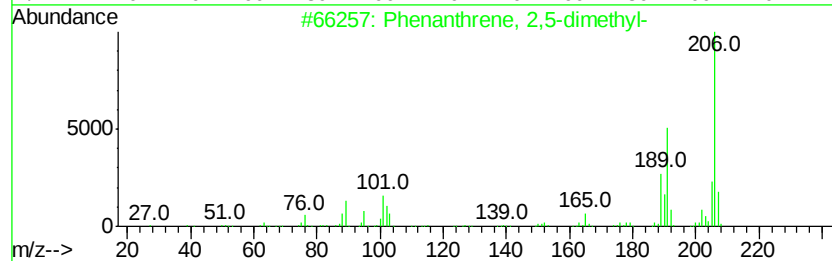
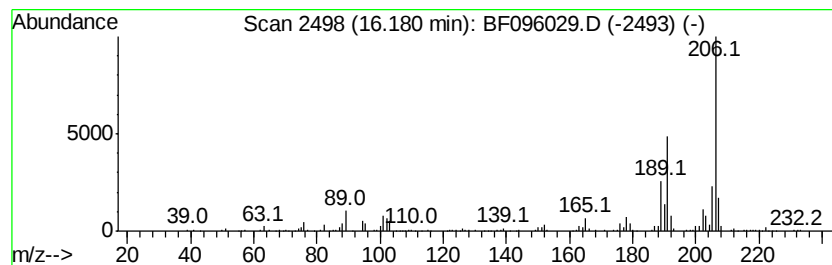
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	30.08 ng	496562	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
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\BF061917\
Data File : BF096029.D
Acq On : 20 Jun 2017 5:46
Operator : SJ/MA
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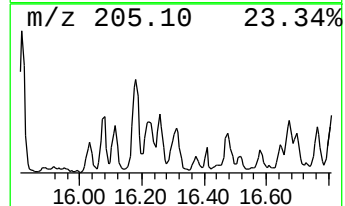
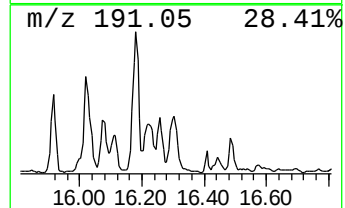
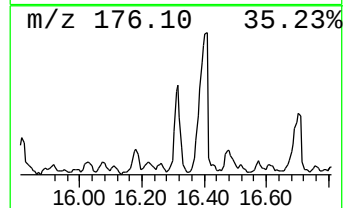
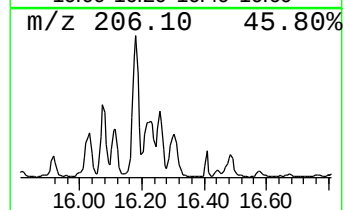
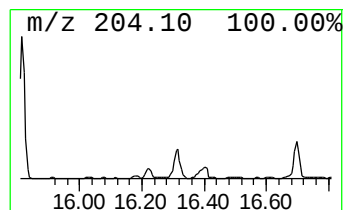
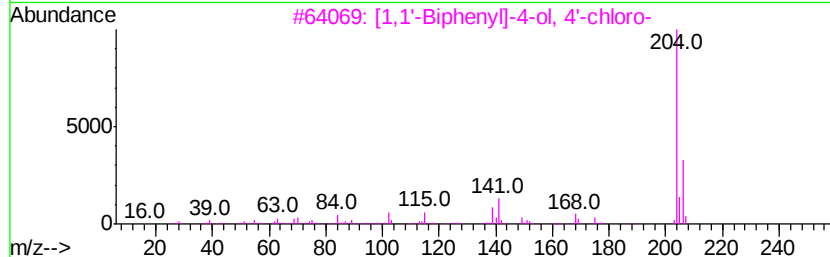
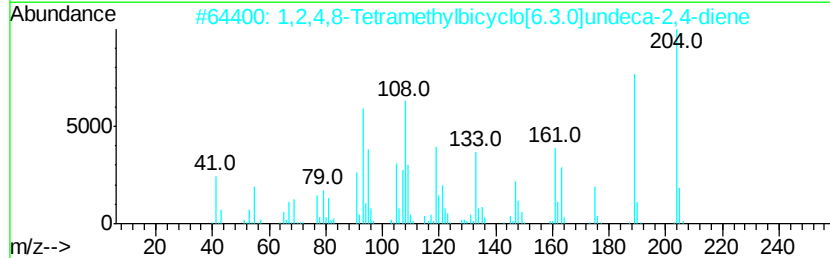
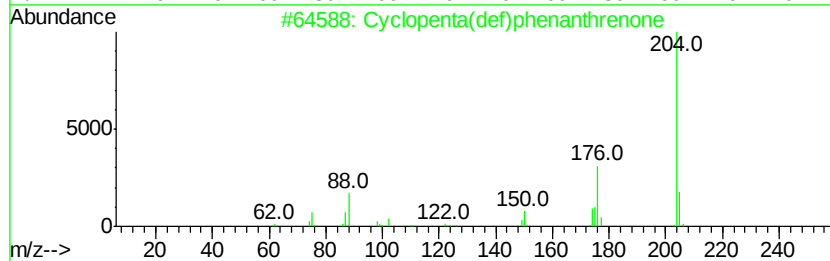
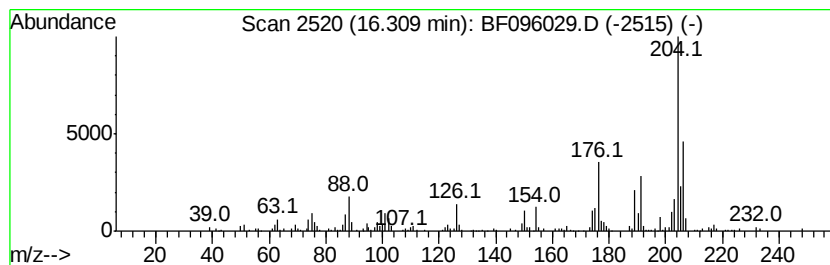
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	23.34 ng	385198	Phenanthrene-d10	14.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	55
3		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43



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Acq On : 20 Jun 2017 5:46
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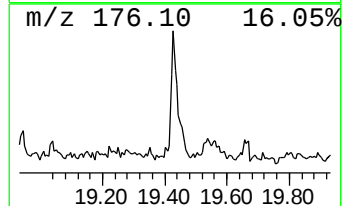
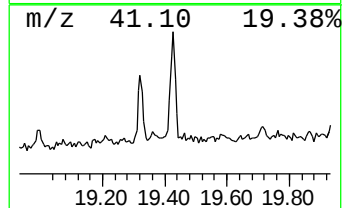
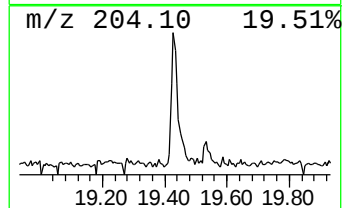
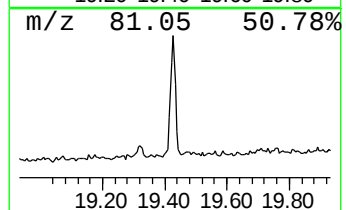
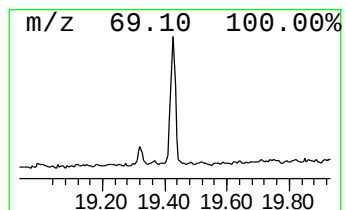
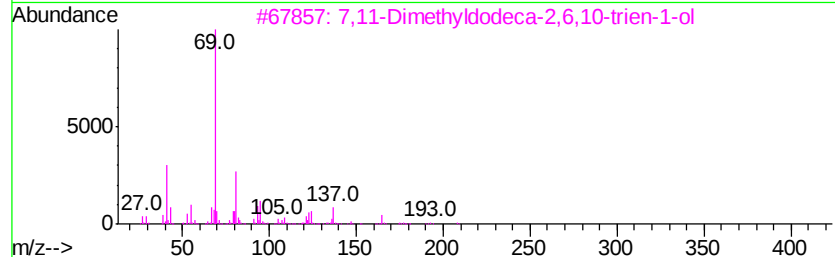
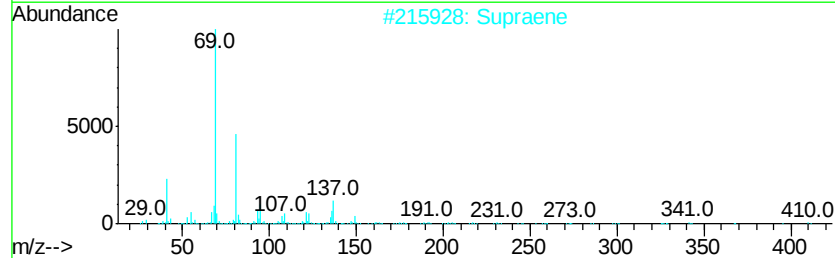
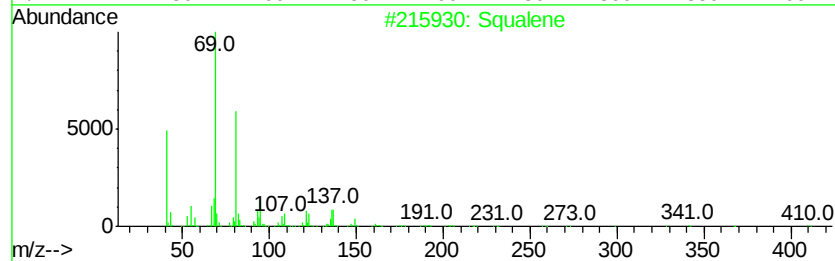
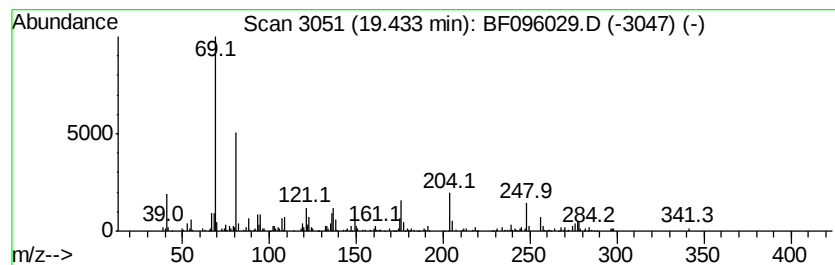
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Squalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	27.80 ng	305959	Perylene-d12	19.96
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Squalene	410 C30H50	000111-02-4	70
2	Supraene	410 C30H50	007683-64-9	70
3	7,11-Dimethyldodeca-2,6,10-trien...	208 C14H240	125529-10-4	53
4	4,8,12-Tetradecatrienal, 5,9,13-...	248 C17H280	066408-55-7	53
5	Cyclopropyl,cyclopropyl-2-(2-fur...	176 C11H1202	1000222-13-9	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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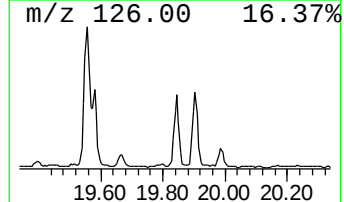
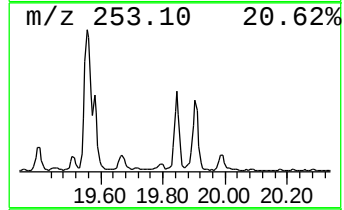
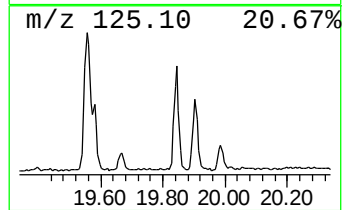
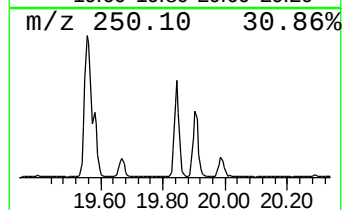
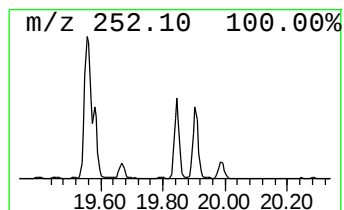
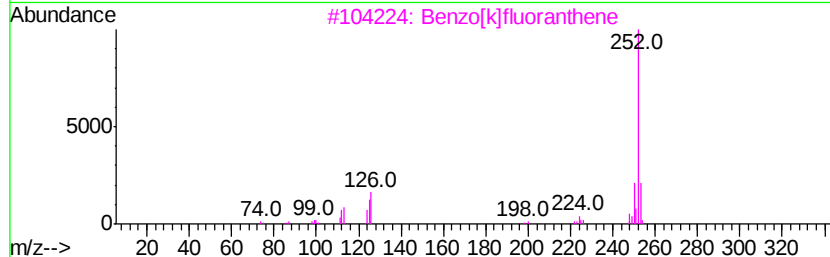
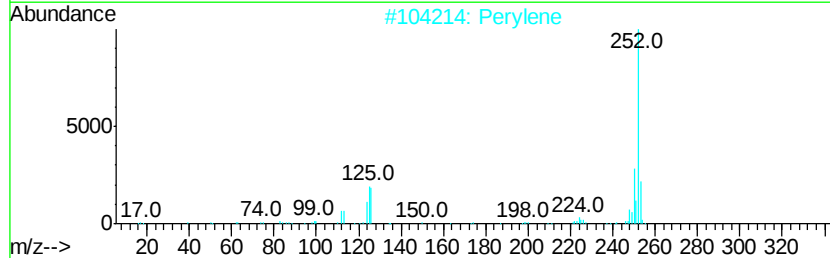
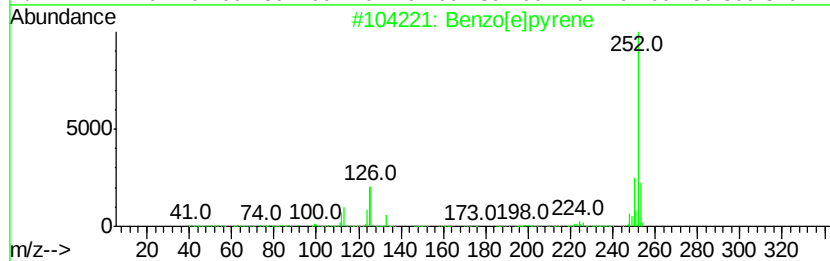
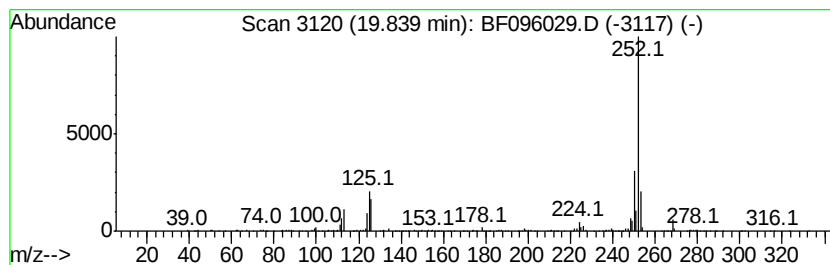
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	55.99 ng	616278	Perylene-d12	19.96

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Perylene	252	C20H12	000198-55-0	98
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
5			Benzo[a]pyrene	252	C20H12	000050-32-8	90



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Instrument :
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 ClientSampleId :
 G11-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.97	6.97	96.0	ng	1766550	1	7.30	368053	20.0
Naphthalene, 2,3-...	11.64	25.9	ng	712049	3	12.16	549961	20.0
Naphthalene, 1,2,...	13.68	19.0	ng	312918	4	14.56	330133	20.0
Octane, 2-methyl-	13.80	31.6	ng	522486	4	14.56	330133	20.0
Benzene, 1,1'-met...	14.18	18.4	ng	302911	4	14.56	330133	20.0
8-Dimethylaminona...	14.36	17.2	ng	284287	4	14.56	330133	20.0
Dibenzothiophene	14.38	20.8	ng	342793	4	14.56	330133	20.0
Phenanthrene, 2-m...	15.37	59.2	ng	977636	4	14.56	330133	20.0
4H-Cyclopenta[def...	15.52	48.7	ng	803257	4	14.56	330133	20.0
Bromacil	15.66	18.6	ng	306754	4	14.56	330133	20.0
Naphthalene, 2-ph...	15.82	48.0	ng	792497	4	14.56	330133	20.0
9,10-Anthracenedione	15.88	22.8	ng	376686	4	14.56	330133	20.0
Phenanthrene, 2,5...	16.18	30.1	ng	496562	4	14.56	330133	20.0
Cyclopenta(def)ph...	16.31	23.3	ng	385198	4	14.56	330133	20.0
Squalene	19.43	27.8	ng	305959	6	19.96	220134	20.0
Benzo[e]pyrene	19.84	56.0	ng	616278	6	19.96	220134	20.0