

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045287.D
 Acq On : 8 May 2020 2:39
 Operator : CG/JU
 Sample : L2498-01 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-050620

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.550	413	419	429	rBV2	107483	194110	12.10%	0.999%
2	7.142	684	690	699	rBV	116280	215946	13.46%	1.111%
3	7.982	826	833	844	rBV	260375	463900	28.91%	2.387%
4	8.305	880	888	896	rBV2	110582	201898	12.58%	1.039%
5	9.139	1024	1030	1038	rBV	75890	138222	8.61%	0.711%
6	10.790	1303	1311	1317	rBV	348697	662334	41.28%	3.407%
7	10.837	1317	1319	1327	rVB2	46193	73266	4.57%	0.377%
8	12.447	1587	1593	1602	rBV	111664	193971	12.09%	0.998%
9	12.664	1621	1630	1639	rBV	104883	185210	11.54%	0.953%
10	13.245	1721	1729	1736	rBV	239967	387376	24.14%	1.993%
11	13.657	1794	1799	1807	rVB4	14433	35153	2.19%	0.181%
12	13.792	1813	1822	1832	rBV5	54503	150946	9.41%	0.777%
13	13.945	1841	1848	1853	rBV2	103018	187387	11.68%	0.964%
14	13.997	1853	1857	1865	rVV	65215	110987	6.92%	0.571%
15	14.074	1865	1870	1878	rVV	30543	50972	3.18%	0.262%
16	14.180	1881	1888	1892	rBV2	46672	82946	5.17%	0.427%
17	14.215	1892	1894	1899	rVB3	19139	22993	1.43%	0.118%
18	14.344	1906	1916	1923	rBV3	52416	94166	5.87%	0.484%
19	14.626	1951	1964	1970	rBV	594130	990493	61.73%	5.096%
20	14.685	1970	1974	1983	rVV2	49570	88859	5.54%	0.457%
21	14.837	1993	2000	2009	rBV7	18723	43554	2.71%	0.224%
22	14.914	2009	2013	2021	rBV6	9862	23553	1.47%	0.121%
23	15.020	2026	2031	2038	rVV2	57026	101274	6.31%	0.521%
24	15.102	2038	2045	2052	rVB	39605	61991	3.86%	0.319%
25	15.243	2062	2069	2074	rBV3	35743	69047	4.30%	0.355%
26	15.296	2074	2078	2083	rVB2	25800	39785	2.48%	0.205%
27	15.419	2090	2099	2102	rBV5	23447	67207	4.19%	0.346%
28	15.448	2102	2104	2108	rVV3	20895	26052	1.62%	0.134%
29	15.589	2123	2128	2135	rVV6	22774	49611	3.09%	0.255%
30	15.672	2135	2142	2154	rVV2	148486	276039	17.20%	1.420%
31	15.795	2154	2163	2166	rVV3	26883	67167	4.19%	0.346%
32	15.830	2166	2169	2174	rVV5	22371	43373	2.70%	0.223%
33	15.883	2174	2178	2186	rVV10	18538	50748	3.16%	0.261%
34	15.965	2187	2192	2202	rVB5	26854	65863	4.10%	0.339%

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35	16.112	2209	2217	2225	rBV3	192459	338006	21.06%	1.739%
36	16.347	2250	2257	2265	rVB4	27268	53058	3.31%	0.273%
37	16.676	2304	2313	2318	rBV3	66827	146257	9.11%	0.752%
38	16.723	2318	2321	2328	rVB2	44064	70185	4.37%	0.361%
39	16.823	2334	2338	2344	rVB2	38416	64857	4.04%	0.334%
40	16.911	2344	2353	2356	rBV10	17096	45215	2.82%	0.233%
41	16.952	2356	2360	2363	rVB5	12534	19892	1.24%	0.102%
42	17.034	2370	2374	2378	rVB6	14110	23688	1.48%	0.122%
43	17.117	2382	2388	2396	rVV8	13844	48504	3.02%	0.250%
44	17.187	2396	2400	2410	rVB	60106	105391	6.57%	0.542%
45	17.369	2425	2431	2435	rBV	721986	1157970	72.16%	5.957%
46	17.410	2435	2438	2446	rVV	559342	849758	52.96%	4.372%
47	17.504	2448	2454	2459	rVB	86789	141951	8.85%	0.730%
48	17.563	2459	2464	2470	rBV4	32806	71117	4.43%	0.366%
49	17.645	2475	2478	2482	rVV6	12070	20183	1.26%	0.104%
50	17.775	2496	2500	2506	rBV5	22282	45181	2.82%	0.232%
51	17.892	2513	2520	2523	rBV5	21338	36214	2.26%	0.186%
52	17.951	2523	2530	2536	rVB	55332	91551	5.71%	0.471%
53	18.098	2550	2555	2563	rVB2	36619	67621	4.21%	0.348%
54	18.250	2575	2581	2585	rBV	194091	305954	19.07%	1.574%
55	18.297	2585	2589	2596	rVB	230412	349002	21.75%	1.795%
56	18.380	2598	2603	2607	rBV2	56131	94094	5.86%	0.484%
57	18.438	2607	2613	2617	rVV3	217926	426343	26.57%	2.193%
58	18.480	2617	2620	2628	rVB	153122	229144	14.28%	1.179%
59	18.562	2628	2634	2637	rBV7	17155	29656	1.85%	0.153%
60	18.644	2643	2648	2653	rVB2	24547	34252	2.13%	0.176%
61	18.744	2661	2665	2669	rBV2	74855	112735	7.03%	0.580%
62	18.973	2699	2704	2705	rBV4	25761	40158	2.50%	0.207%
63	18.991	2705	2707	2711	rVB	46057	49995	3.12%	0.257%
64	19.044	2711	2716	2719	rBV	60449	81922	5.11%	0.421%
65	19.079	2719	2722	2727	rVB2	48860	71741	4.47%	0.369%
66	19.161	2727	2736	2741	rBV	166279	308321	19.21%	1.586%
67	19.214	2741	2745	2750	rVV4	56442	117372	7.31%	0.604%
68	19.255	2750	2752	2756	rVB2	50287	52626	3.28%	0.271%
69	19.302	2756	2760	2762	rBV2	50016	78539	4.89%	0.404%
70	19.425	2775	2781	2786	rBV	452306	669639	41.73%	3.445%
71	19.490	2788	2792	2795	rVV2	30302	42622	2.66%	0.219%

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72	19.519	2795	2797	2802	rVB2	39732	49144	3.06%	0.253%
73	19.572	2802	2806	2810	rBV2	18375	28797	1.79%	0.148%
74	19.666	2817	2822	2825	rBV2	36085	60139	3.75%	0.309%
75	19.784	2832	2842	2851	rBV	502356	948477	59.11%	4.880%
76	19.860	2851	2855	2861	rVB3	59853	102406	6.38%	0.527%
77	19.913	2861	2864	2866	rBV4	22146	24888	1.55%	0.128%
78	19.983	2871	2876	2881	rVV	403123	536854	33.46%	2.762%
79	20.107	2892	2897	2908	rBV7	77671	216930	13.52%	1.116%
80	20.195	2909	2912	2914	rVV3	23458	28001	1.75%	0.144%
81	20.248	2916	2921	2922	rVV3	60414	88266	5.50%	0.454%
82	20.277	2922	2926	2935	rVB	160775	255811	15.94%	1.316%
83	20.377	2939	2943	2947	rVB2	113208	154532	9.63%	0.795%
84	20.436	2947	2953	2957	rBV2	117533	175122	10.91%	0.901%
85	20.577	2972	2977	2981	rBV	99668	140429	8.75%	0.722%
86	20.618	2981	2984	2989	rVB	93735	129698	8.08%	0.667%
87	20.741	3000	3005	3008	rVB7	26240	46689	2.91%	0.240%
88	20.870	3025	3027	3030	rBV4	20881	20553	1.28%	0.106%
89	21.000	3044	3049	3052	rBV6	32268	61109	3.81%	0.314%
90	21.223	3084	3087	3091	rVB3	36470	49367	3.08%	0.254%
91	21.258	3091	3093	3097	rVB2	46924	59112	3.68%	0.304%
92	21.305	3097	3101	3106	rBV5	40527	79383	4.95%	0.408%
93	21.634	3149	3157	3162	rBV2	753141	1604617	100.00%	8.255%
94	21.675	3162	3164	3176	rVB	209851	351846	21.93%	1.810%
95	22.357	3274	3280	3286	rVB2	85289	169907	10.59%	0.874%
96	22.433	3289	3293	3299	rVB4	50725	100294	6.25%	0.516%
97	23.802	3520	3526	3534	rBV2	81435	271967	16.95%	1.399%
98	24.507	3641	3646	3655	rVB2	63707	163659	10.20%	0.842%
99	24.654	3662	3671	3682	rBV	108571	306163	19.08%	1.575%
100	24.800	3687	3696	3705	rBV2	415277	1206501	75.19%	6.207%

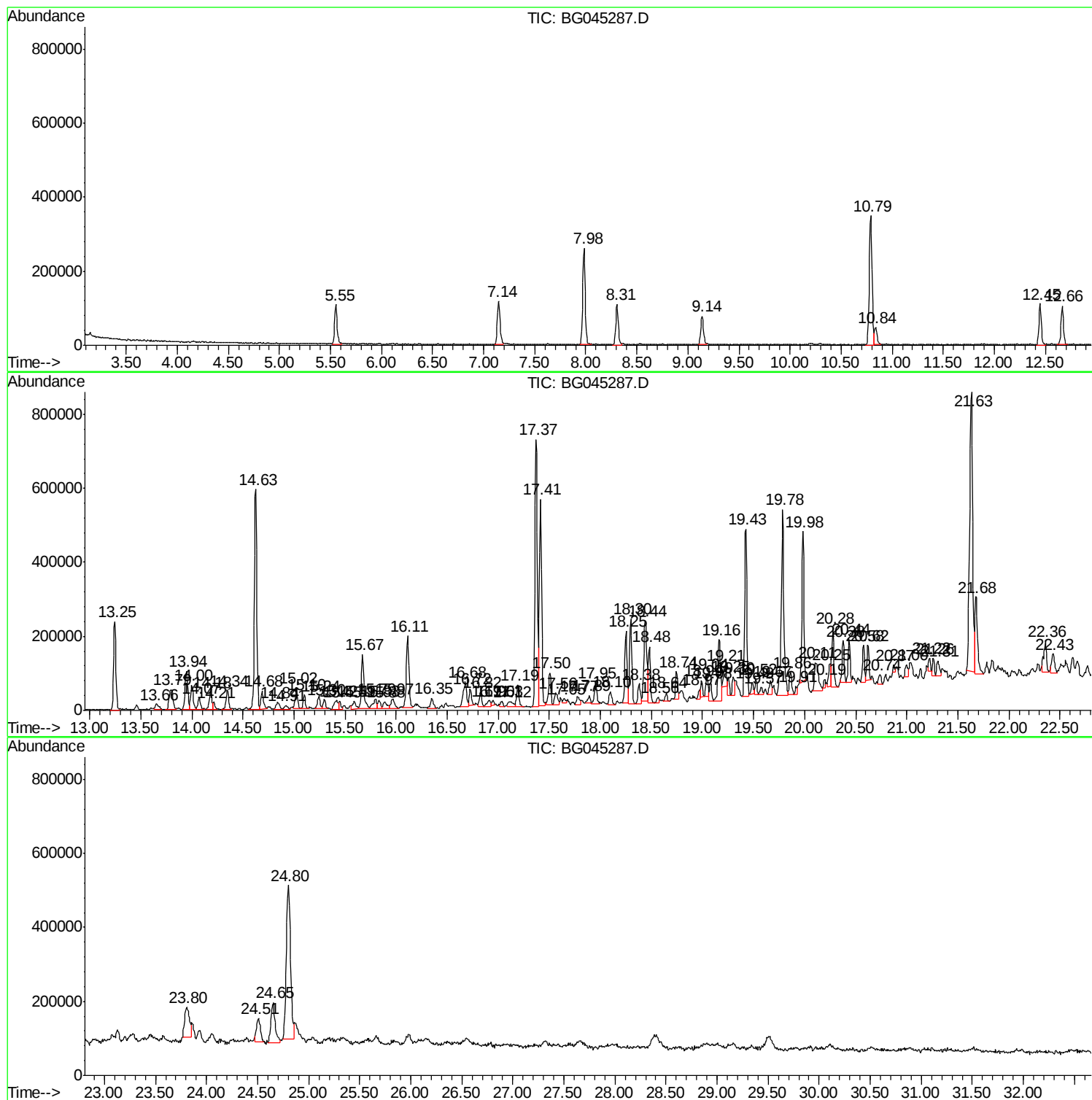
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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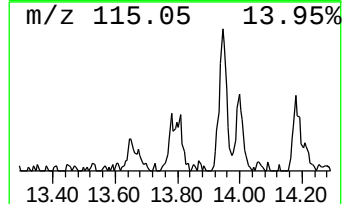
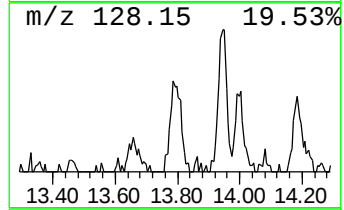
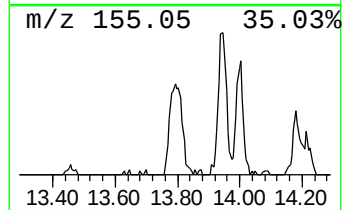
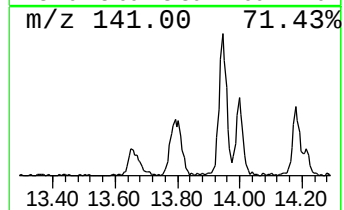
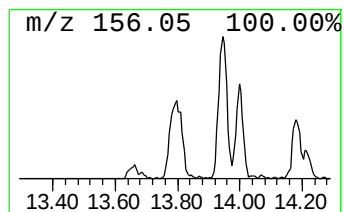
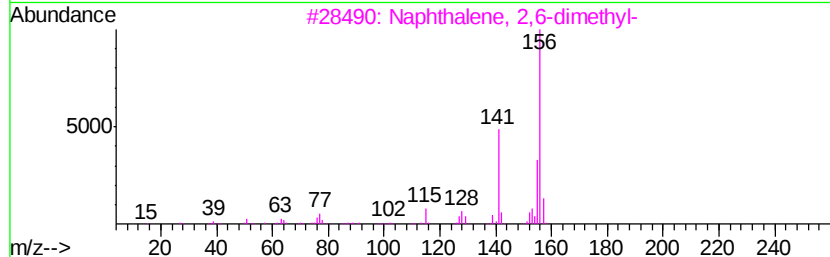
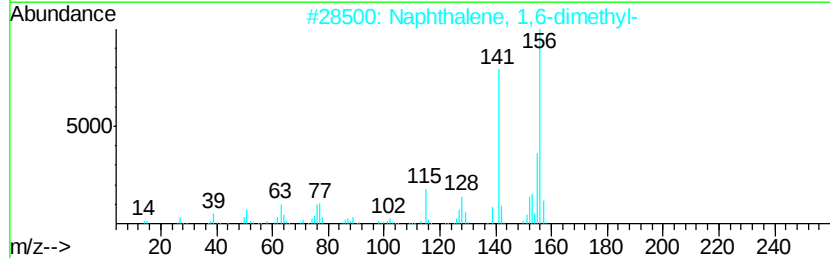
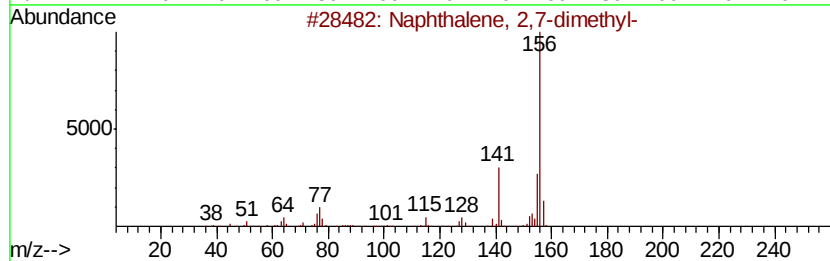
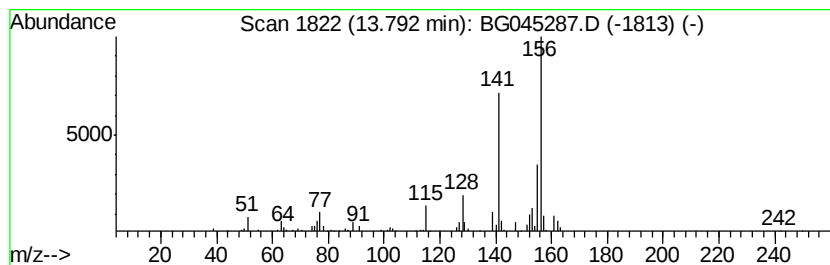
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.79	3.05 ng	150946	Acenaphthene-d10	14.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	81



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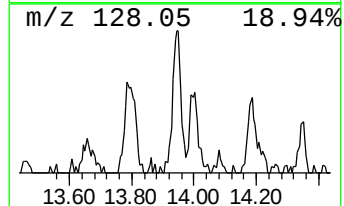
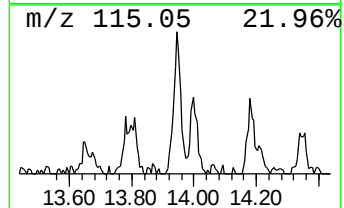
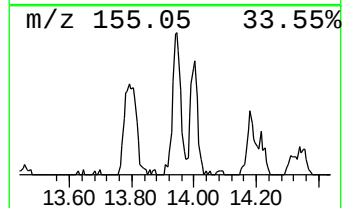
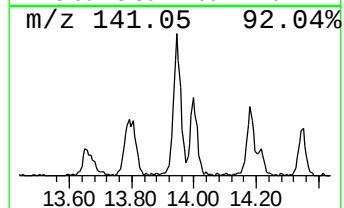
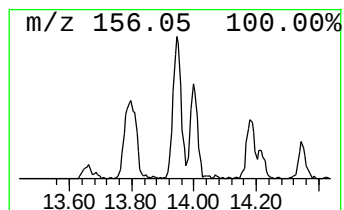
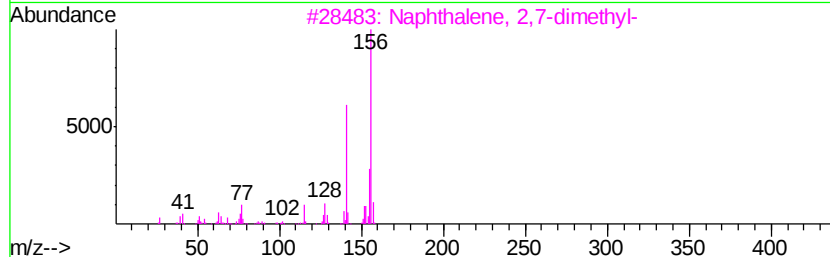
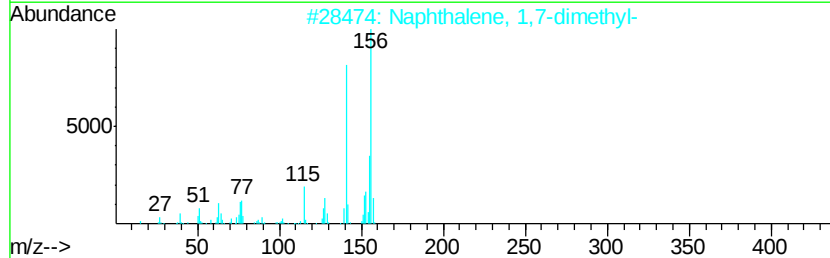
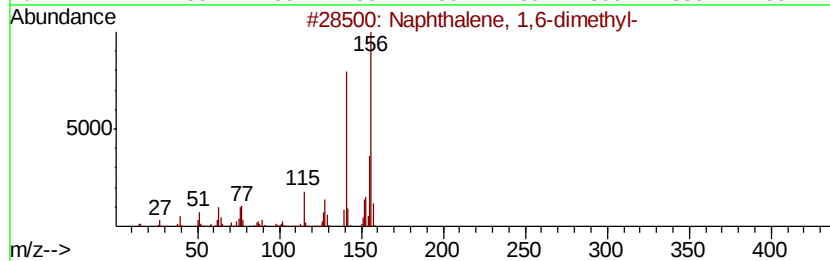
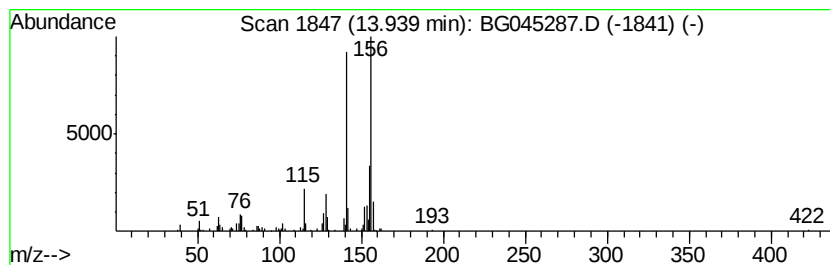
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.94	3.78 ng	187387	Acenaphthene-d10		14.63
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



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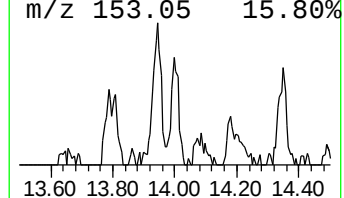
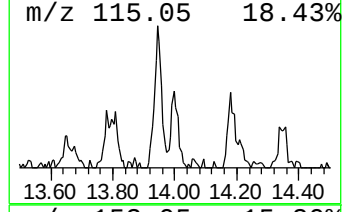
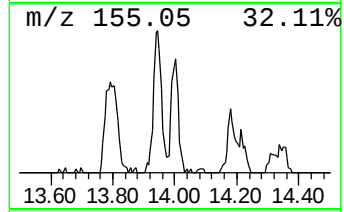
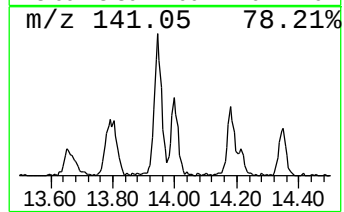
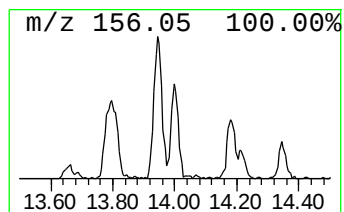
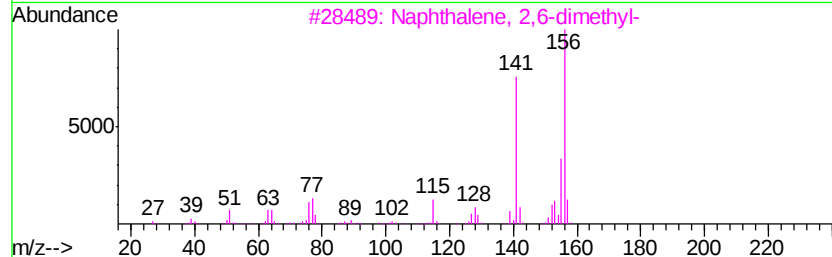
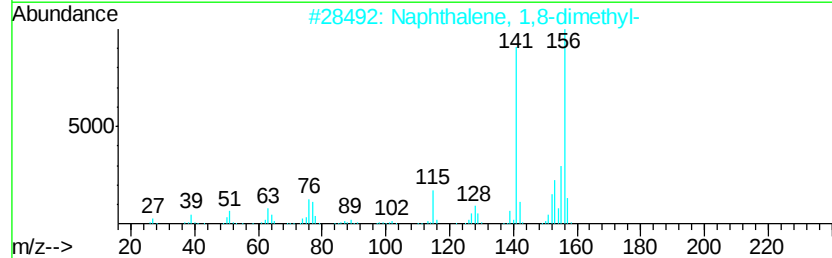
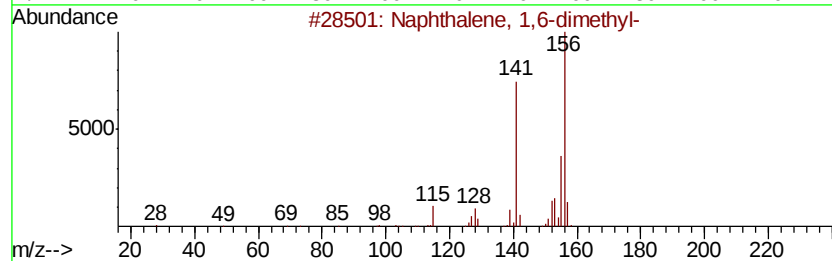
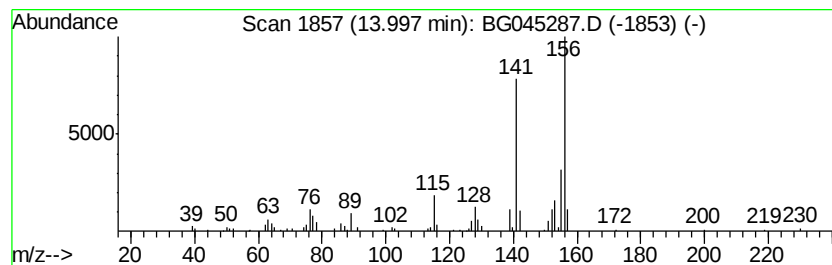
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,8-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.24 ng	110987	Acenaphthene-d10	14.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
2		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
Operator : CG/JU
Sample : L2498-01 10X
Misc :
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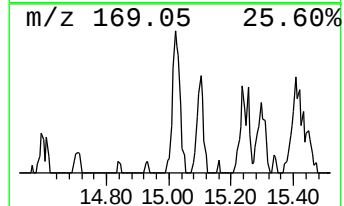
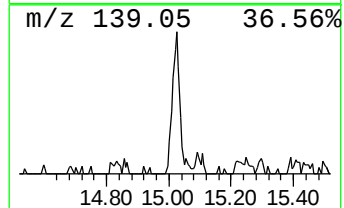
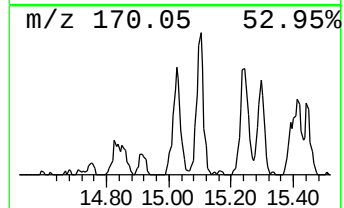
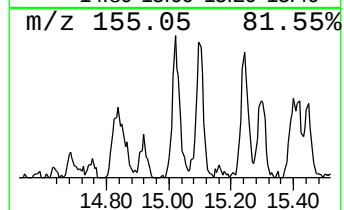
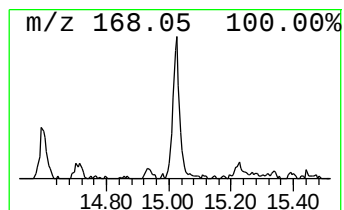
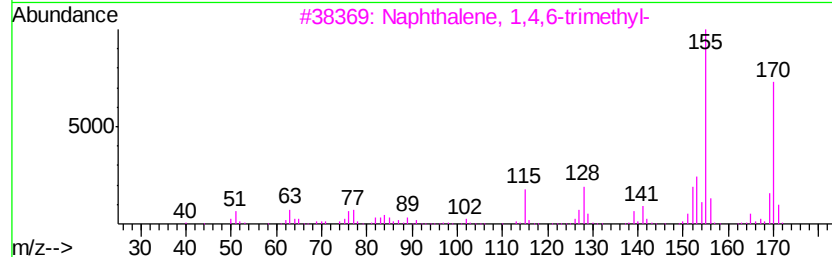
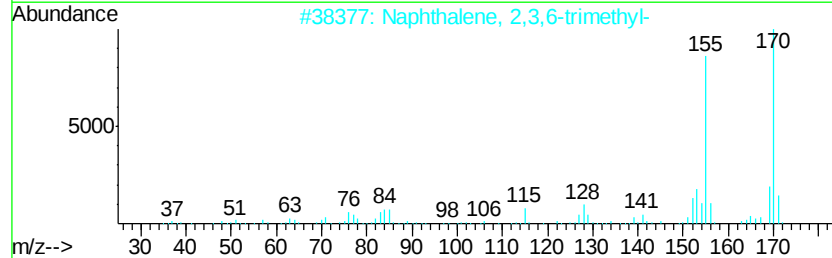
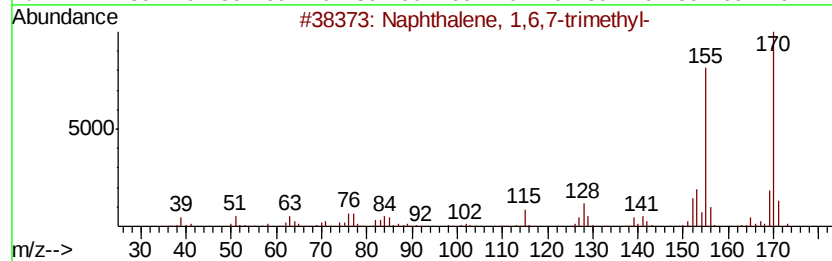
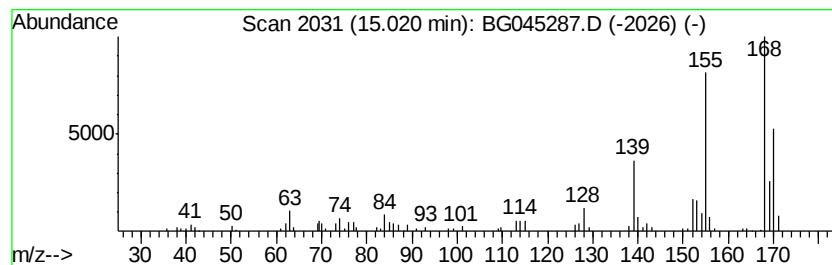
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ClientSampleId :
CL-02-050620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	2.04 ng	101274	Acenaphthene-d10	14.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6,7-trimethyl-	170 C13H14	002245-38-7 60
2		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 53
3		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 49
4		3-(2-Methyl-propenyl)-1H-indene	170 C13H14	1000187-78-5 41
5		Dibenzofuran	168 C12H8O	000132-64-9 38



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
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Sample : L2498-01 10X
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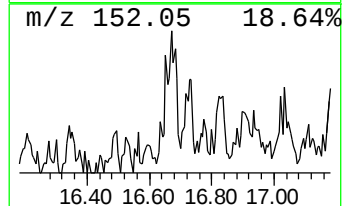
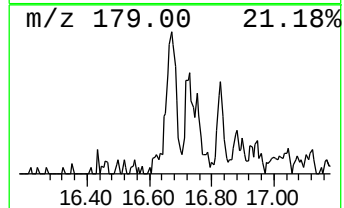
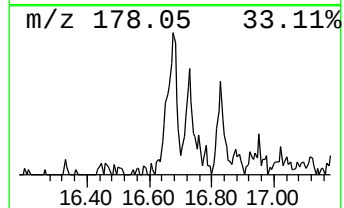
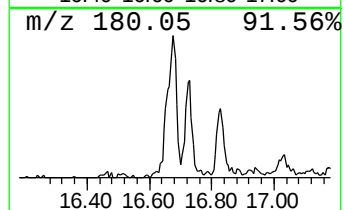
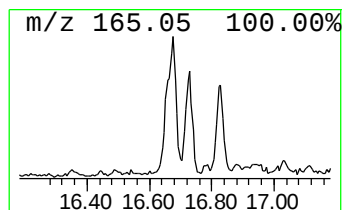
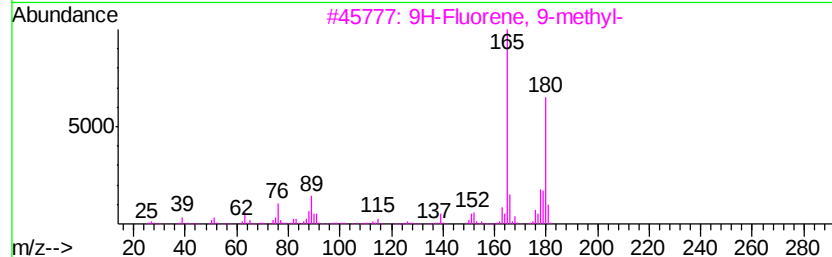
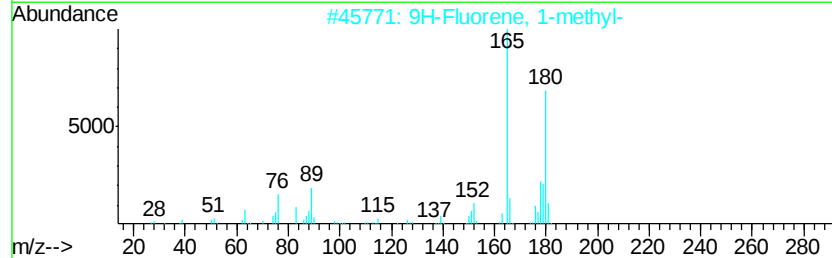
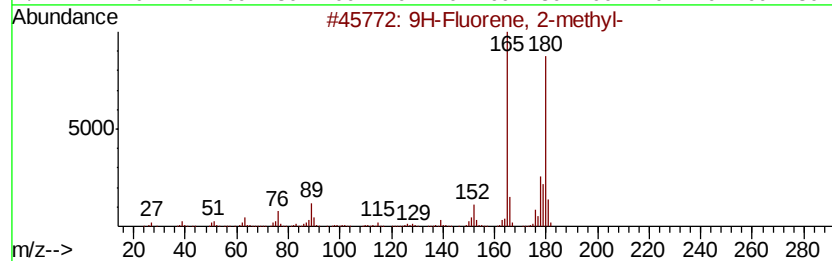
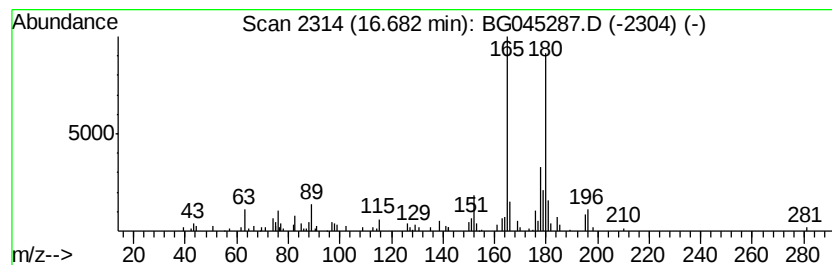
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.68	2.53 ng	146257	Phenanthrene-d10	17.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	90
5	Ethylene, 1,1-diphenyl-	180	C14H12	000530-48-3	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
Operator : CG/JU
Sample : L2498-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

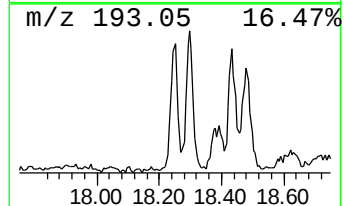
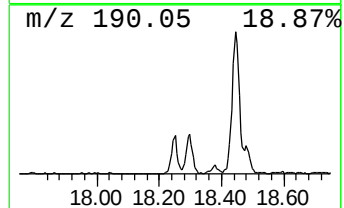
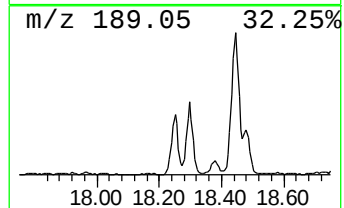
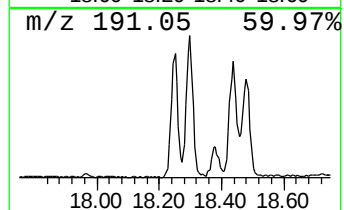
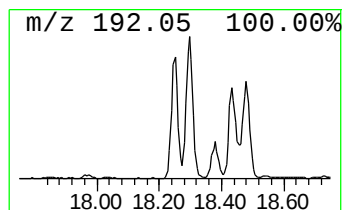
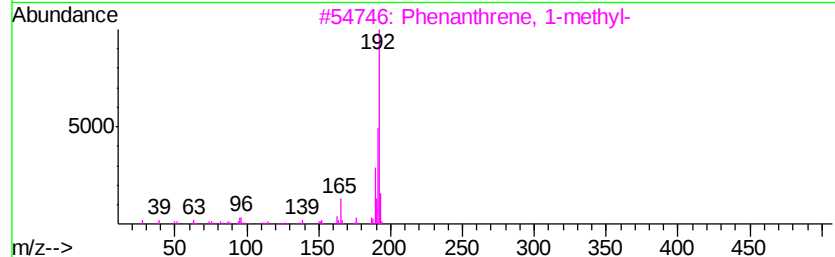
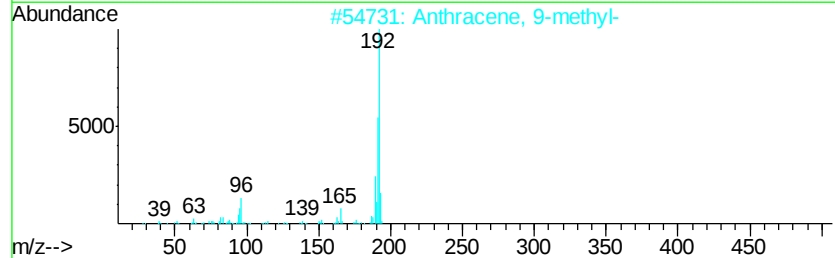
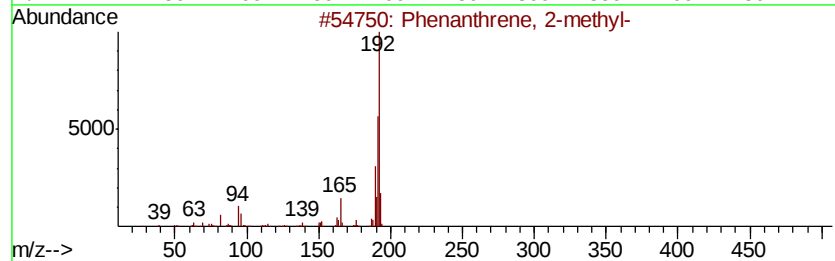
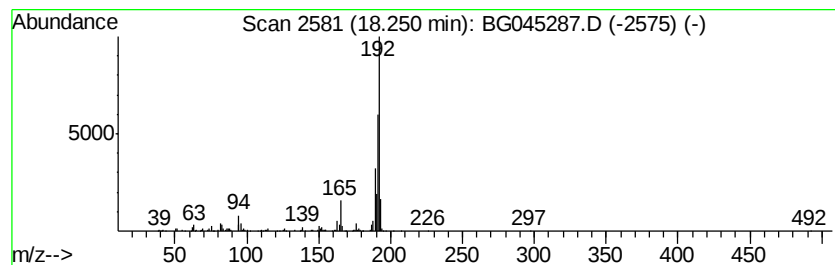
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.25	5.28 ng	305954	Phenanthrene-d10	17.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
Operator : CG/JU
Sample : L2498-01 10X
Misc :
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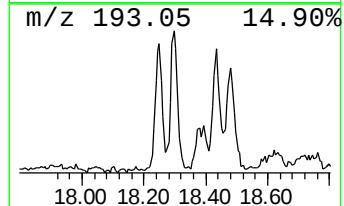
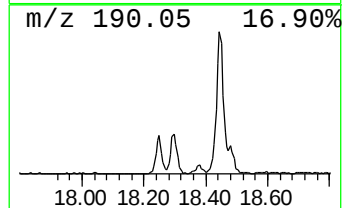
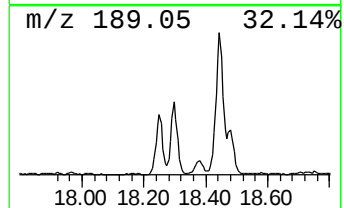
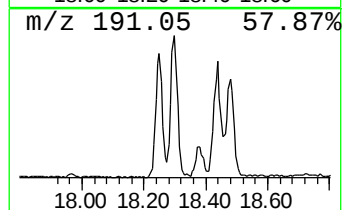
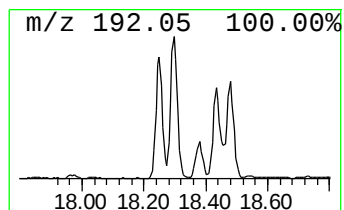
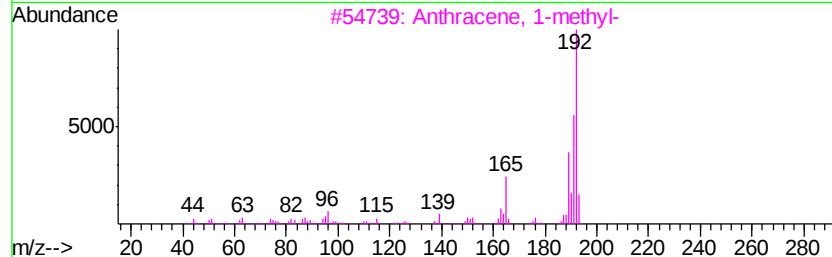
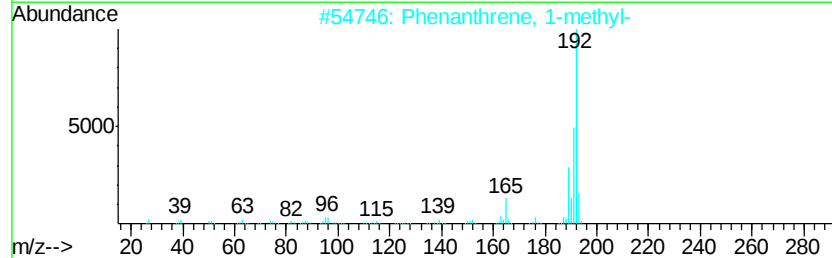
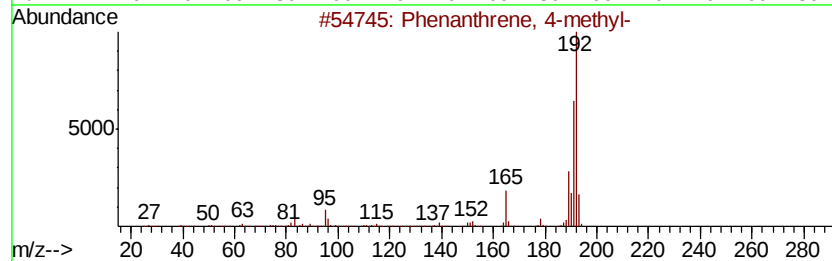
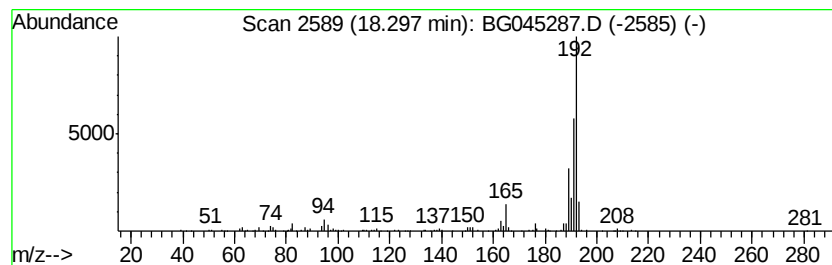
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.30	6.03 ng	349002	Phenanthrene-d10	17.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
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Sample : L2498-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

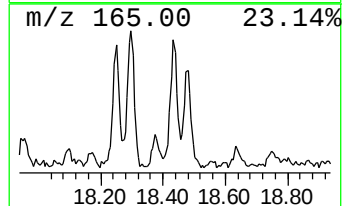
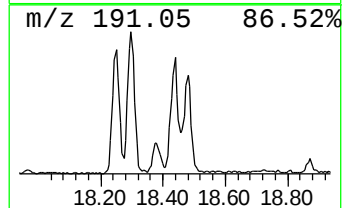
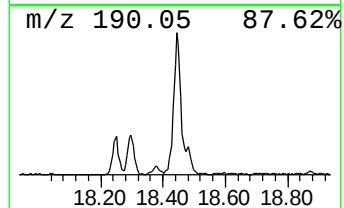
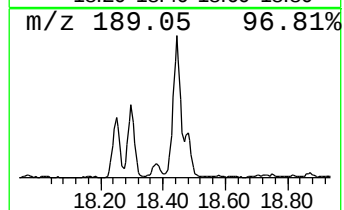
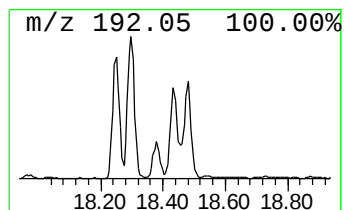
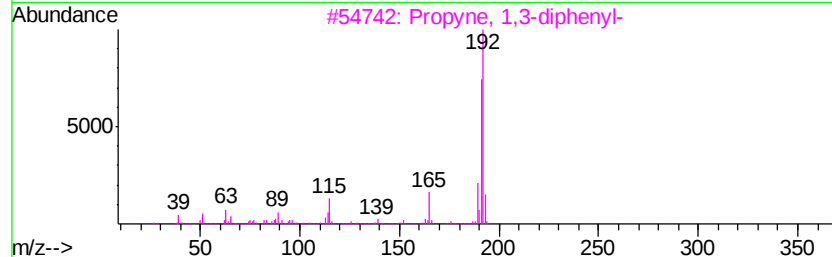
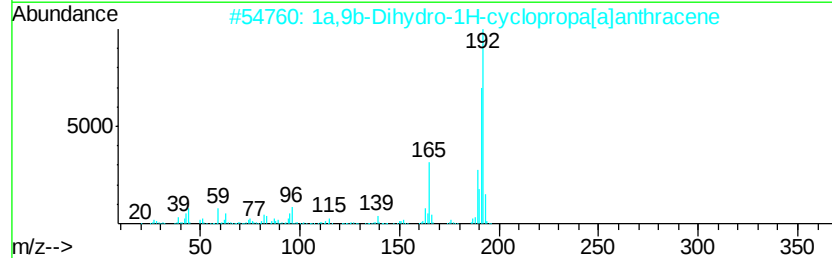
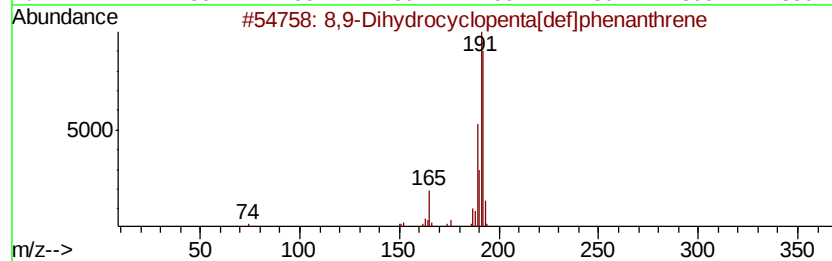
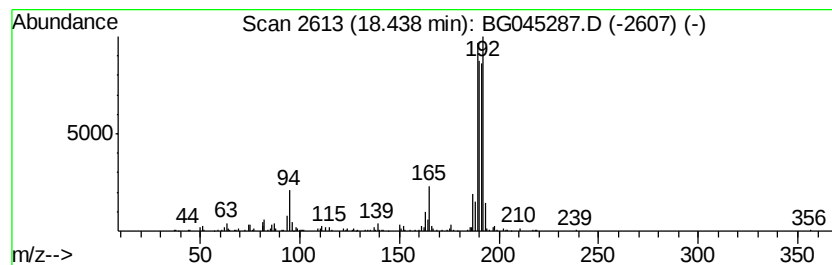
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 8,9-Dihydrocyclopenta[def]p... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.44	7.36 ng	426343	Phenanthrene-d10	17.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	64
2	1a,9b-Dihydro-1H-cyclopropa[al]an...	192	C15H12	006109-24-6	50
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	43
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	43
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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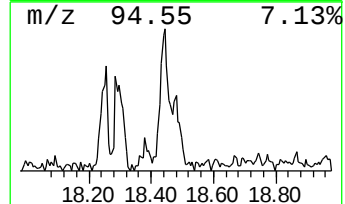
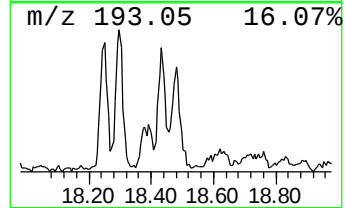
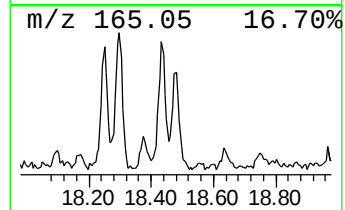
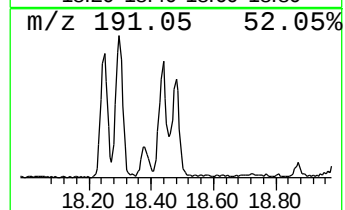
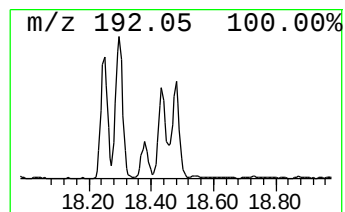
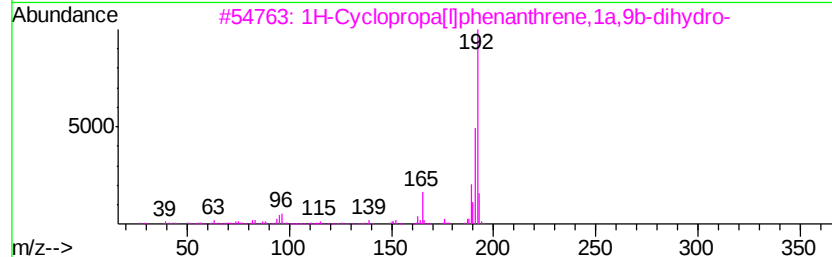
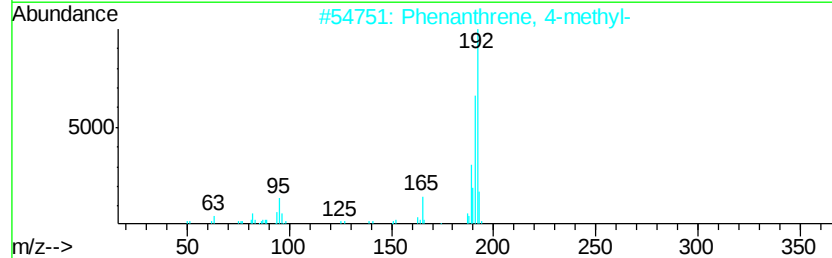
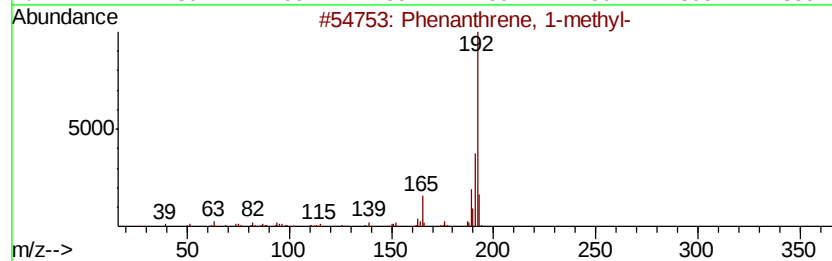
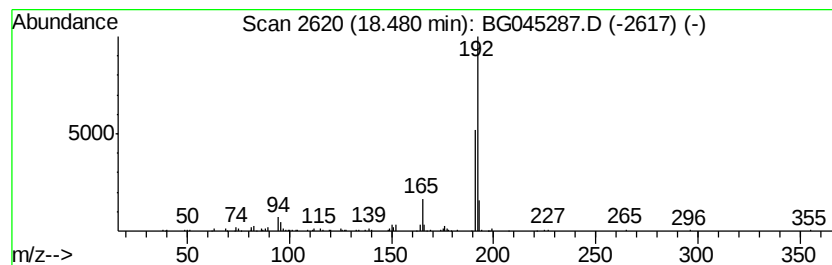
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.96 ng	229144	Phenanthrene-d10	17.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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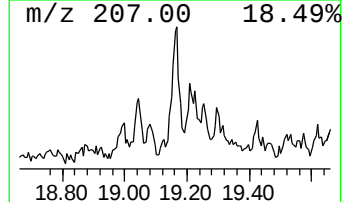
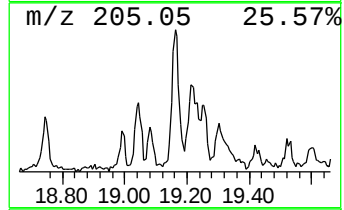
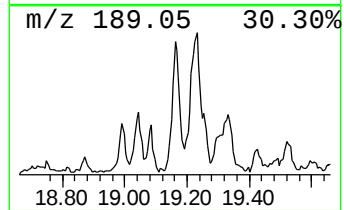
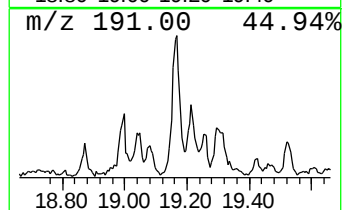
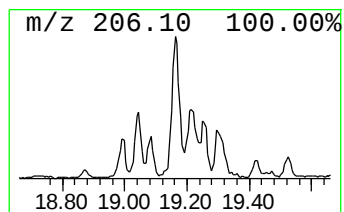
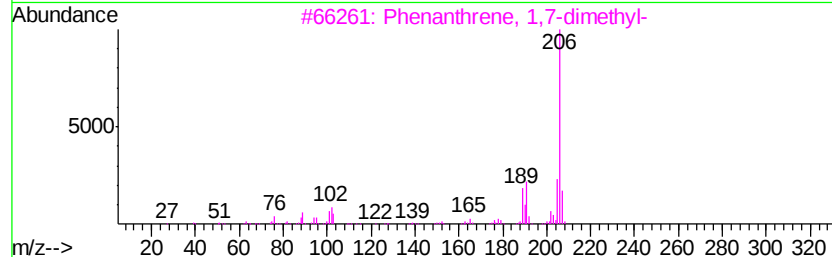
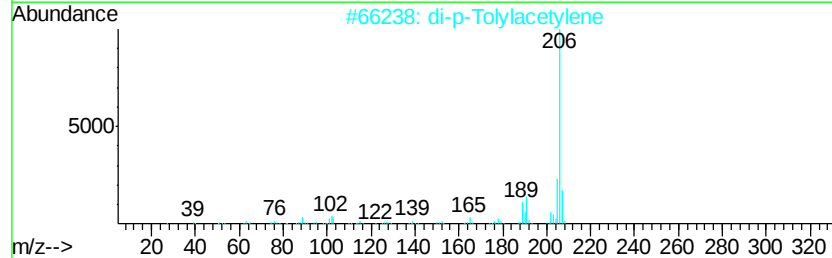
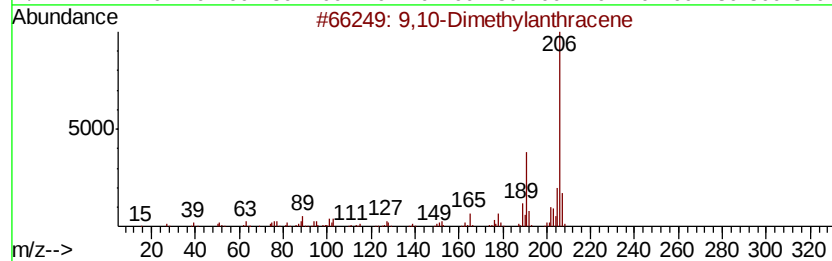
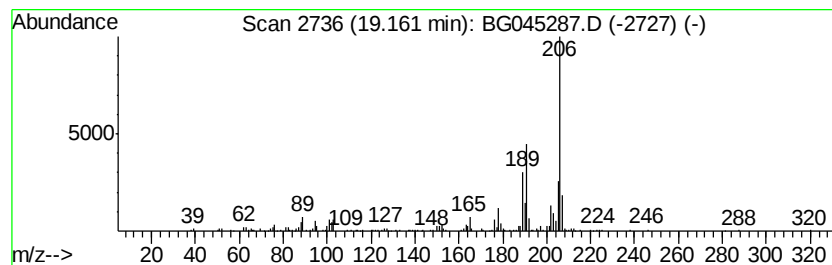
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Dimethylantracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	5.33 ng	308321	Phenanthrene-d10	17.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
Operator : CG/JU
Sample : L2498-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

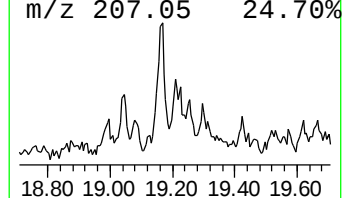
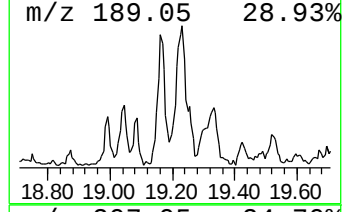
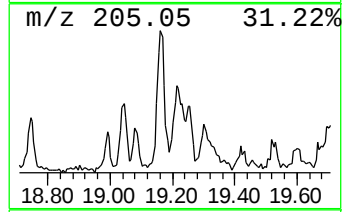
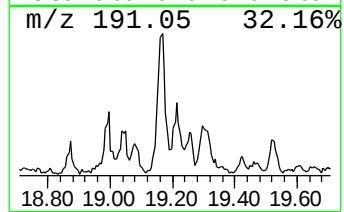
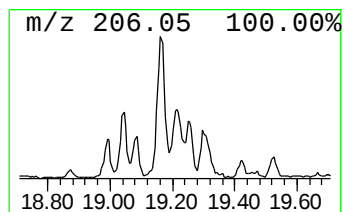
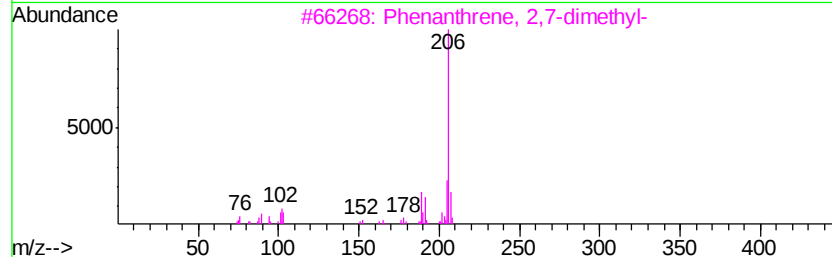
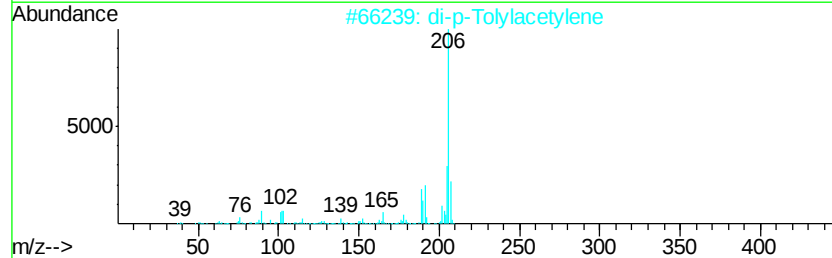
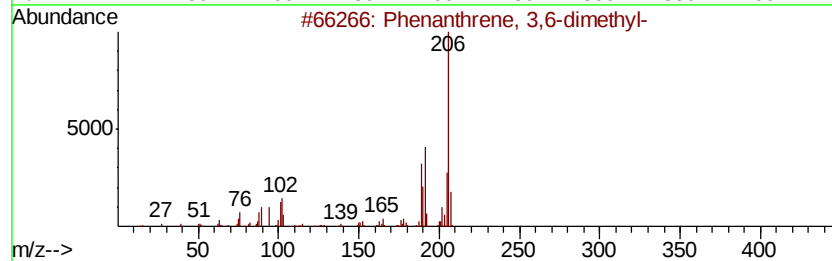
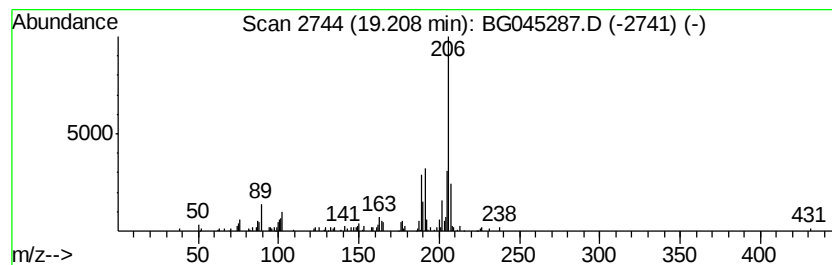
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	2.03 ng	117372	Phenanthrene-d10	17.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	80
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
4		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	64
5		9,10-Dimethylantracene	206	C16H14	000781-43-1	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
Acq On : 8 May 2020 2:39
Operator : CG/JU
Sample : L2498-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

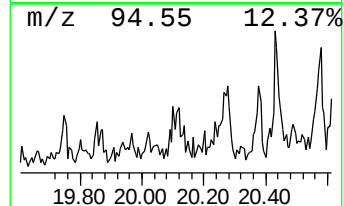
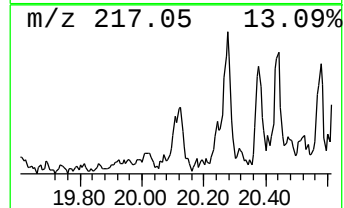
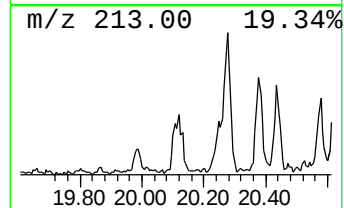
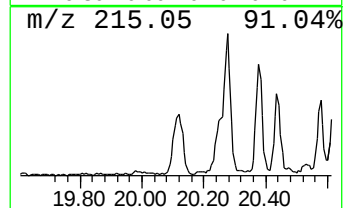
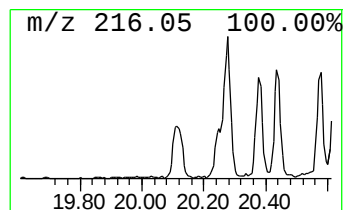
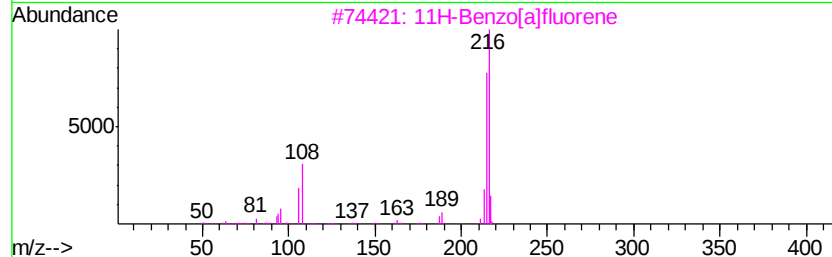
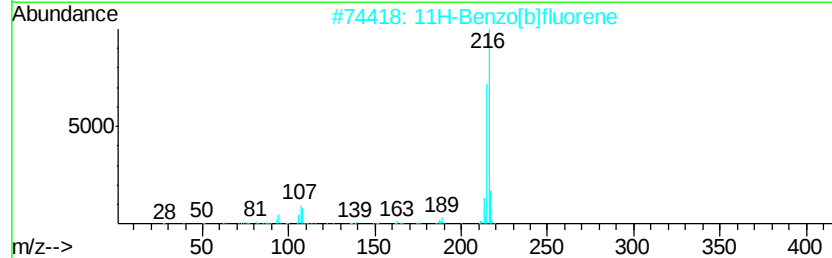
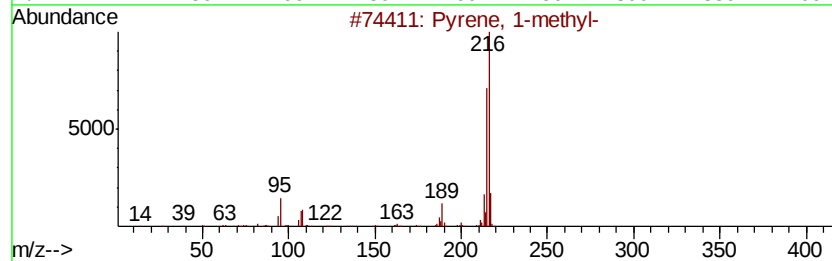
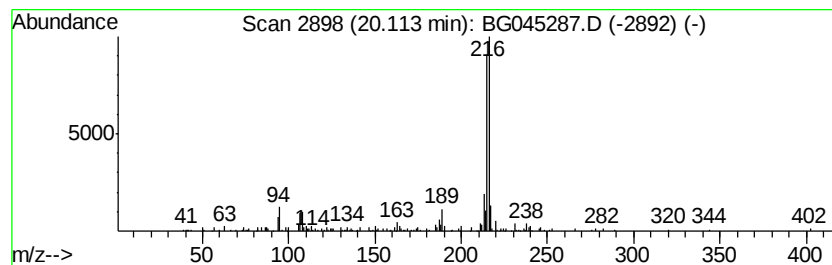
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.70 ng	216930	Chrysene-d12	21.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 93
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
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Operator : CG/JU
Sample : L2498-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

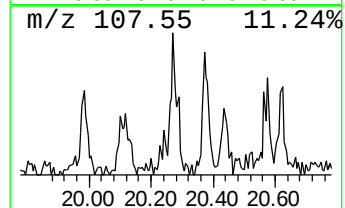
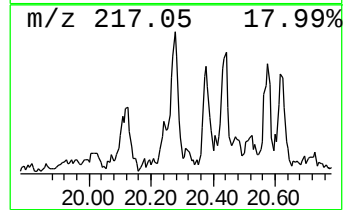
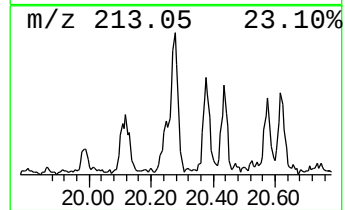
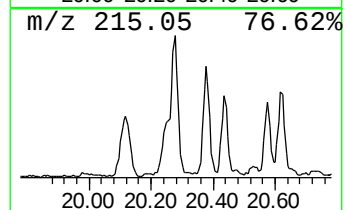
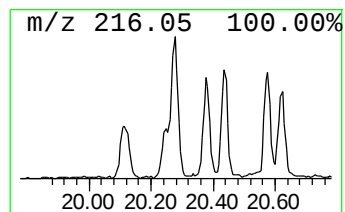
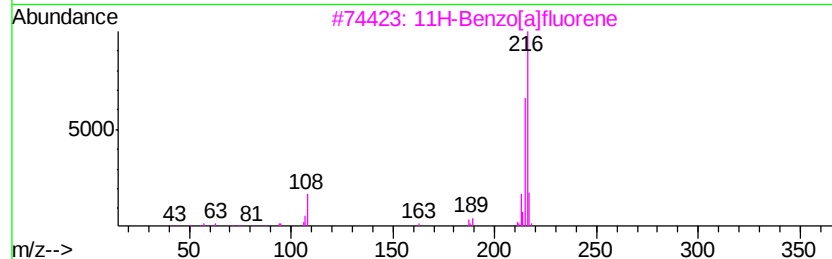
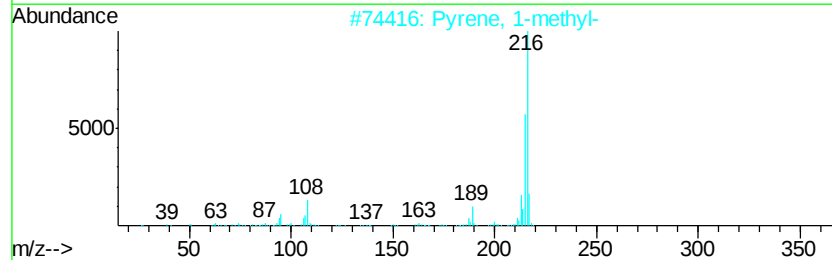
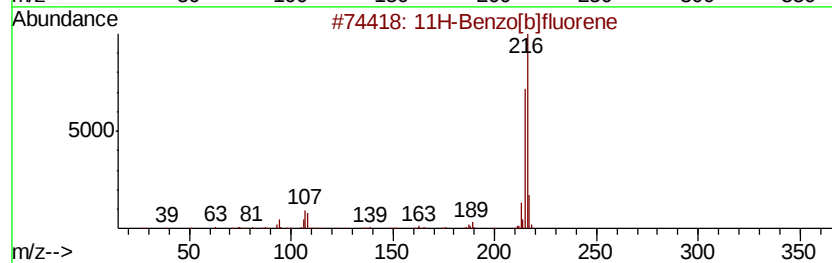
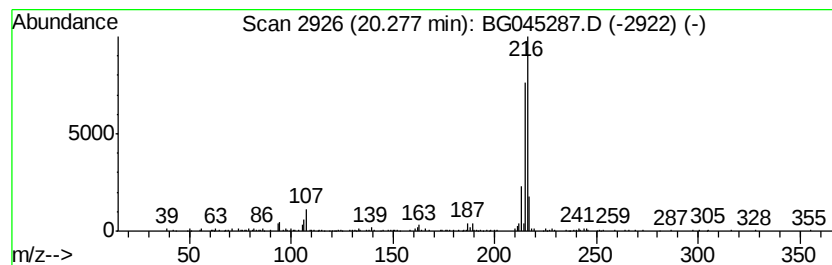
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
20.28	3.19 ng	255811	Chrysene-d12		21.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		.beta.-Carboline, 1,2,3,4-tetra...	260	C14H16N2O3	1000124-14-2	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
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Sample : L2498-01 10X
Misc :
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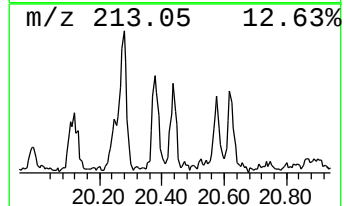
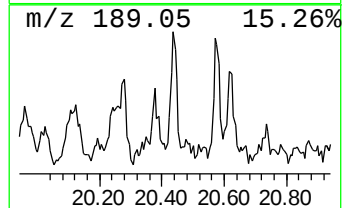
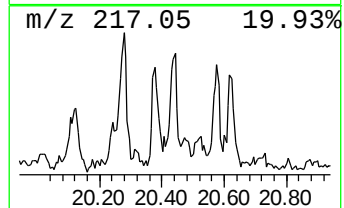
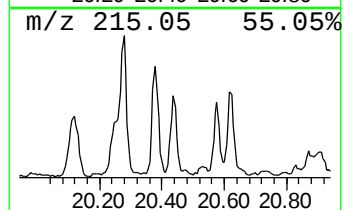
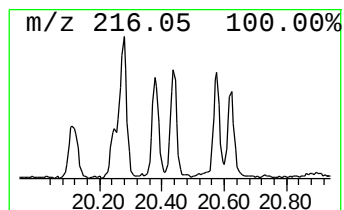
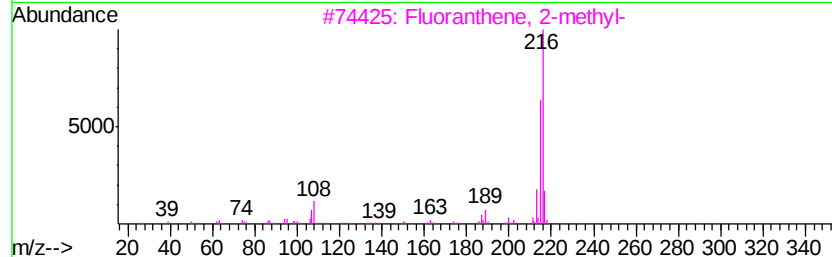
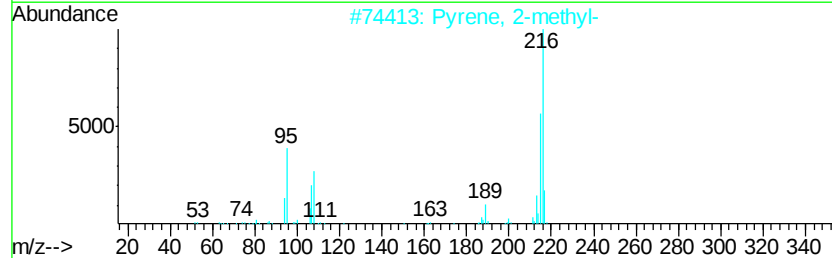
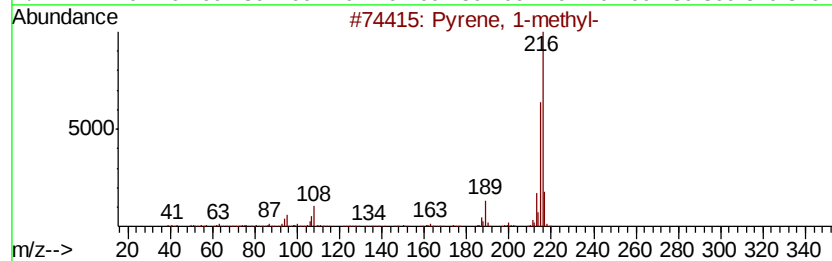
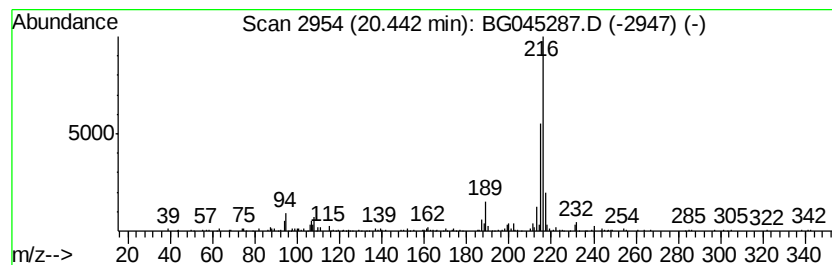
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	2.18 ng	175122	Chrysene-d12	21.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 95
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 91
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 80
5		Pyrene, 4-methyl-	216 C17H12	003353-12-6 76



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
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Operator : CG/JU
Sample : L2498-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-050620

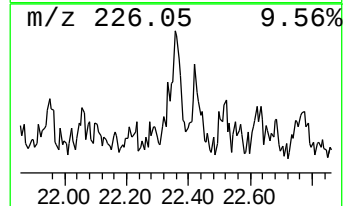
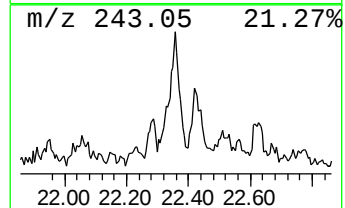
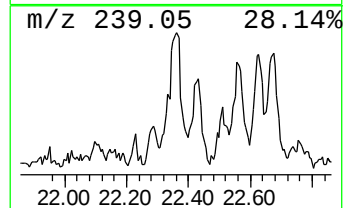
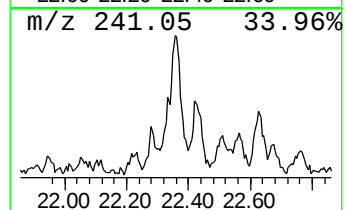
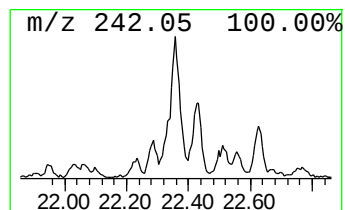
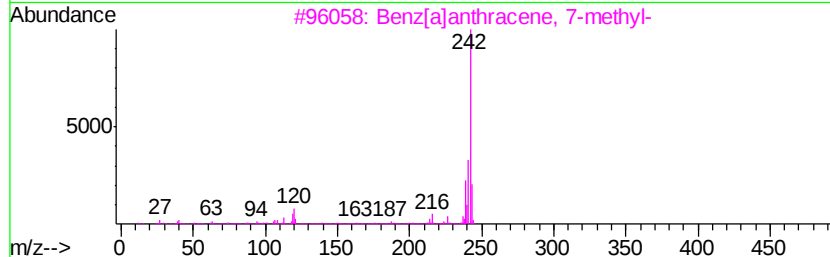
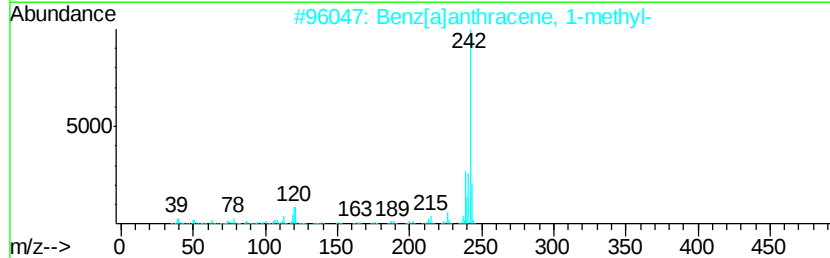
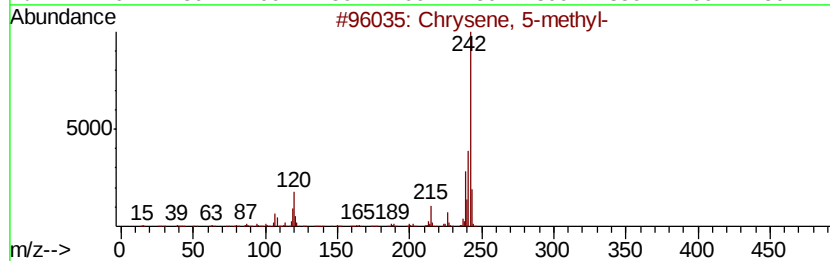
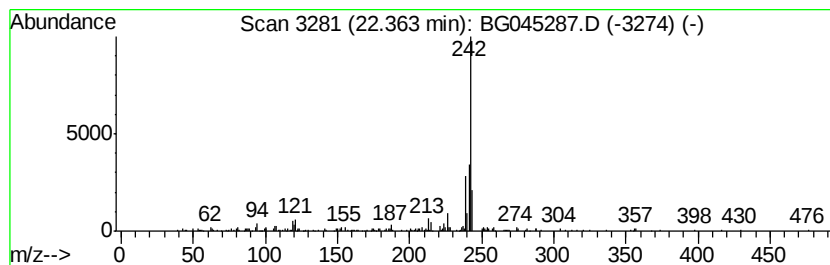
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Chrysene, 5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	2.12 ng	169907	Chrysene-d12	21.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
2		Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
3		Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76
4		2-Methylchrysene	242	C19H14	003351-32-4	76
5		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
Data File : BG045287.D
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ALS Vial : 22 Sample Multiplier: 1

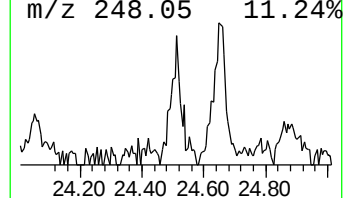
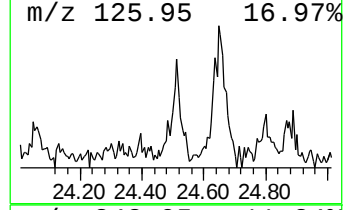
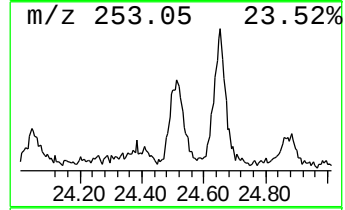
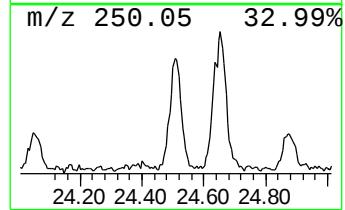
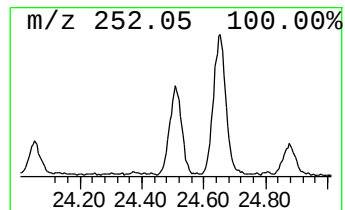
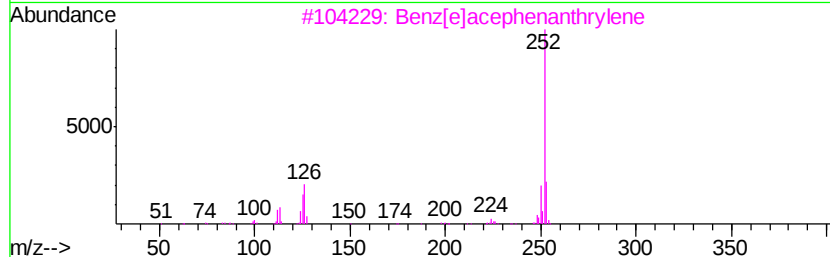
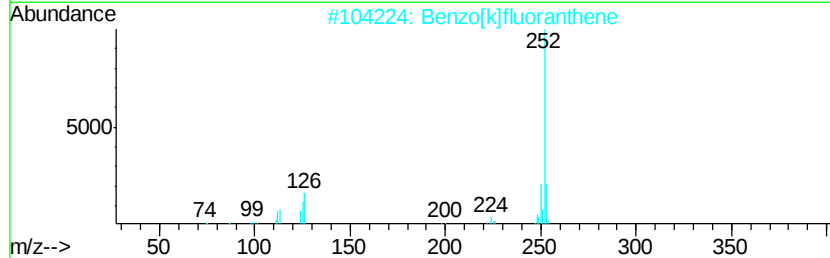
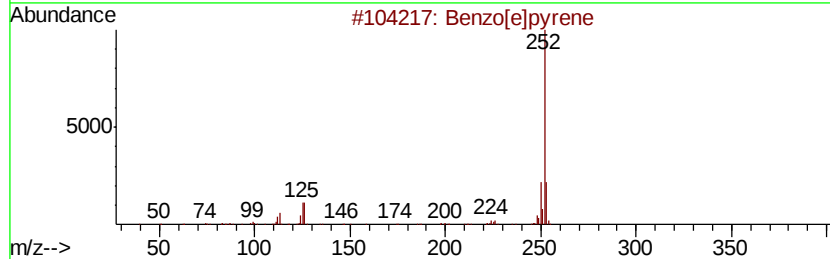
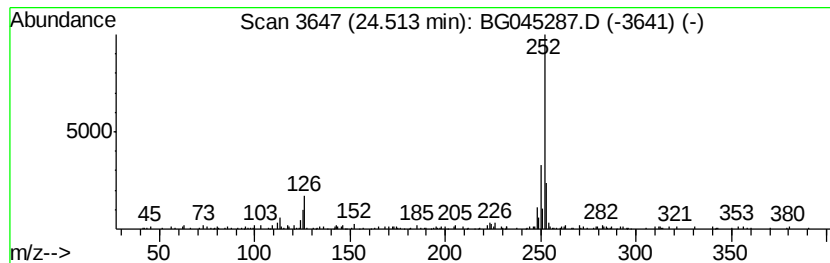
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
24.51	2.71 ng	163659	Perylene-d12	24.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[b]naphtho[2,3-d]thiophene, ...	252	C17H16S	024964-06-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG050720\
 Data File : BG045287.D
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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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
Naphthalene, 2,7-...	13.79	3.0	ng	150946	3	14.63	990493	20.0
Naphthalene, 1,6-...	13.94	3.8	ng	187387	3	14.63	990493	20.0
Naphthalene, 1,8-...	14.00	2.2	ng	110987	3	14.63	990493	20.0
Naphthalene, 1,6,...	15.02	2.0	ng	101274	3	14.63	990493	20.0
9H-Fluorene, 2-me...	16.68	2.5	ng	146257	4	17.37	1157970	20.0
Phenanthrene, 2-m...	18.25	5.3	ng	305954	4	17.37	1157970	20.0
Phenanthrene, 4-m...	18.30	6.0	ng	349002	4	17.37	1157970	20.0
8,9-Dihydrocyclop...	18.44	7.4	ng	426343	4	17.37	1157970	20.0
Phenanthrene, 1-m...	18.48	4.0	ng	229144	4	17.37	1157970	20.0
9,10-Dimethylanthe...	19.16	5.3	ng	308321	4	17.37	1157970	20.0
Phenanthrene, 3,6...	19.21	2.0	ng	117372	4	17.37	1157970	20.0
11H-Benzo[a]fluorene	20.11	2.7	ng	216930	5	21.63	1604620	20.0
11H-Benzo[b]fluorene	20.28	3.2	ng	255811	5	21.63	1604620	20.0
Pyrene, 1-methyl-	20.44	2.2	ng	175122	5	21.63	1604620	20.0
Chrysene, 5-methyl-	22.36	2.1	ng	169907	5	21.63	1604620	20.0
Benzo[e]pyrene	24.51	2.7	ng	163659	6	24.81	1206500	20.0