

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095440.D
 Acq On : 26 May 2017 00:08
 Operator : SJ/MA
 Sample : I3200-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-39-20170517

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-BF050217.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	5.084	531	535	548	rBV	44435	117516	5.20%	0.332%
2	5.725	640	644	670	rBV	268504	832741	36.88%	2.353%
3	7.307	910	913	928	rBV	266110	776521	34.39%	2.194%
4	7.419	928	932	952	rVB	544253	1149816	50.93%	3.249%
5	7.742	983	987	1003	rVB	437409	553617	24.52%	1.564%
6	7.978	1023	1027	1046	rBV	595340	788906	34.94%	2.229%
7	8.654	1138	1142	1160	rBV	200911	496490	21.99%	1.403%
8	9.766	1327	1331	1357	rBV	379648	771465	34.17%	2.180%
9	11.536	1628	1632	1648	rBV	713368	1135423	50.29%	3.208%
10	12.236	1746	1751	1765	rBV	116661	219635	9.73%	0.621%
11	12.377	1771	1775	1782	rBV	54119	86168	3.82%	0.243%
12	12.601	1808	1813	1819	rBV2	515029	766457	33.95%	2.166%
13	12.654	1819	1822	1829	rVB	74662	113020	5.01%	0.319%
14	12.966	1867	1875	1882	rBV2	36986	91421	4.05%	0.258%
15	13.148	1898	1906	1911	rBV4	41532	77913	3.45%	0.220%
16	13.430	1949	1954	1957	rBV3	53680	75371	3.34%	0.213%
17	13.501	1962	1966	1972	rVB2	60982	93163	4.13%	0.263%
18	13.589	1974	1981	1982	rBV4	40373	60160	2.66%	0.170%
19	13.771	2008	2012	2022	rVB5	44419	111498	4.94%	0.315%
20	13.901	2030	2034	2043	rBV	286263	506748	22.44%	1.432%
21	14.230	2087	2090	2095	rVB4	38578	57436	2.54%	0.162%
22	14.401	2112	2119	2122	rBV2	50737	101573	4.50%	0.287%
23	14.442	2123	2126	2131	rVV3	48132	76527	3.39%	0.216%
24	14.524	2138	2140	2145	rVB5	34843	45796	2.03%	0.129%
25	14.624	2153	2157	2160	rBV4	48000	74817	3.31%	0.211%
26	14.795	2181	2186	2190	rVV4	45242	103099	4.57%	0.291%
27	15.001	2214	2221	2224	rBV	492451	628386	27.83%	1.776%
28	15.042	2224	2228	2238	rVV	755130	1029281	45.59%	2.908%
29	15.130	2238	2243	2250	rVB	155953	229639	10.17%	0.649%
30	15.218	2254	2258	2261	rBV2	49440	66903	2.96%	0.189%
31	15.389	2284	2287	2291	rBV3	31468	54557	2.42%	0.154%
32	15.524	2307	2310	2315	rVB2	81597	97767	4.33%	0.276%
33	15.654	2329	2332	2338	rVB3	44725	74199	3.29%	0.210%
34	15.783	2350	2354	2357	rBV	363135	393937	17.45%	1.113%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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35	15.824	2357	2361	2370	rVB	430389	514979	22.81%	1.455%
36	15.895	2370	2373	2376	rBV	109575	132048	5.85%	0.373%
37	15.936	2376	2380	2382	rVV	486936	582121	25.78%	1.645%
38	15.971	2382	2386	2393	rVB2	402071	679133	30.08%	1.919%
39	16.071	2401	2403	2409	rBV7	33465	58241	2.58%	0.165%
40	16.130	2409	2413	2419	rBV2	58691	106545	4.72%	0.301%
41	16.224	2425	2429	2437	rVV	183037	300272	13.30%	0.848%
42	16.283	2437	2439	2443	rVB3	86063	106980	4.74%	0.302%
43	16.430	2461	2464	2468	rBV	131385	166154	7.36%	0.469%
44	16.477	2469	2472	2475	rVV	124210	129229	5.72%	0.365%
45	16.512	2476	2478	2482	rVB	84650	80704	3.57%	0.228%
46	16.577	2485	2489	2493	rBV	411628	521961	23.12%	1.475%
47	16.624	2493	2497	2500	rVB	190391	250483	11.09%	0.708%
48	16.654	2500	2502	2505	rVB	100015	98643	4.37%	0.279%
49	16.701	2505	2510	2517	rBV2	253229	374823	16.60%	1.059%
50	16.789	2520	2525	2529	rBV	1407802	1679747	74.40%	4.746%
51	16.877	2537	2540	2543	rBV3	103152	134060	5.94%	0.379%
52	16.983	2553	2558	2562	rBV2	66188	101761	4.51%	0.288%
53	17.024	2562	2565	2568	rVV2	99324	133596	5.92%	0.377%
54	17.059	2568	2571	2572	rVV2	76094	87769	3.89%	0.248%
55	17.089	2572	2576	2581	rVV	1777826	2257850	100.00%	6.380%
56	17.159	2585	2588	2592	rVV3	83427	143416	6.35%	0.405%
57	17.201	2592	2595	2599	rVB2	109253	140063	6.20%	0.396%
58	17.242	2599	2602	2604	rBV4	53116	53760	2.38%	0.152%
59	17.277	2604	2608	2611	rBV	95742	111199	4.92%	0.314%
60	17.324	2611	2616	2624	rVB	698975	948763	42.02%	2.681%
61	17.424	2624	2633	2638	rBV	1361677	1769712	78.38%	5.001%
62	17.518	2644	2649	2652	rBV4	175784	336449	14.90%	0.951%
63	17.548	2652	2654	2660	rVB	286882	350672	15.53%	0.991%
64	17.601	2660	2663	2665	rBV3	54452	65995	2.92%	0.186%
65	17.636	2666	2669	2673	rVB	170602	182400	8.08%	0.515%
66	17.683	2673	2677	2683	rBV3	414305	668108	29.59%	1.888%
67	17.801	2693	2697	2700	rBV	285596	287628	12.74%	0.813%
68	17.842	2700	2704	2708	rVB	222557	248445	11.00%	0.702%
69	17.983	2725	2728	2732	rVB5	72576	86346	3.82%	0.244%
70	18.048	2736	2739	2741	rBV3	50797	70174	3.11%	0.198%
71	18.189	2760	2763	2767	rBV3	57508	84014	3.72%	0.237%

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72	18.236	2768	2771	2774	rVB	173103	193963	8.59%	0.548%
73	18.301	2779	2782	2784	rBV	70959	79590	3.53%	0.225%
74	18.353	2787	2791	2793	rVV2	147415	188323	8.34%	0.532%
75	18.383	2793	2796	2799	rVV2	263821	299208	13.25%	0.845%
76	18.418	2799	2802	2804	rVV	109403	115301	5.11%	0.326%
77	18.453	2806	2808	2812	rVV2	87000	84277	3.73%	0.238%
78	18.512	2815	2818	2824	rVB	150225	186296	8.25%	0.526%
79	18.671	2840	2845	2849	rBV2	1017044	1693447	75.00%	4.785%
80	18.712	2849	2852	2859	rVB2	1022100	1799637	79.71%	5.085%
81	18.806	2864	2868	2871	rVB2	112357	144409	6.40%	0.408%
82	18.906	2882	2885	2887	rBV4	50405	55669	2.47%	0.157%
83	18.965	2891	2895	2898	rVB5	55508	77269	3.42%	0.218%
84	19.136	2921	2924	2926	rVB2	57233	51089	2.26%	0.144%
85	19.183	2926	2932	2936	rBV	314716	409399	18.13%	1.157%
86	19.224	2936	2939	2943	rVB	185776	187317	8.30%	0.529%
87	19.265	2943	2946	2948	rBV2	90789	116411	5.16%	0.329%
88	19.342	2955	2959	2961	rBV3	103721	149916	6.64%	0.424%
89	19.430	2972	2974	2980	rVB	58867	66380	2.94%	0.188%
90	19.789	3032	3035	3041	rBV2	97350	169027	7.49%	0.478%
91	19.953	3058	3063	3065	rBV	615676	840222	37.21%	2.374%
92	19.977	3065	3067	3073	rVB2	303880	345529	15.30%	0.976%
93	20.065	3079	3082	3087	rBV2	99536	159375	7.06%	0.450%
94	20.142	3092	3095	3098	rBV4	58768	93808	4.15%	0.265%
95	20.242	3108	3112	3116	rBV	410884	441200	19.54%	1.247%
96	20.300	3119	3122	3128	rVV	507124	570179	25.25%	1.611%
97	20.359	3128	3132	3135	rVV	289848	296485	13.13%	0.838%
98	20.389	3135	3137	3140	rVB	65554	62657	2.78%	0.177%
99	21.694	3354	3359	3367	rVB2	171771	315774	13.99%	0.892%
100	22.083	3420	3425	3437	rVB	148282	295330	13.08%	0.835%

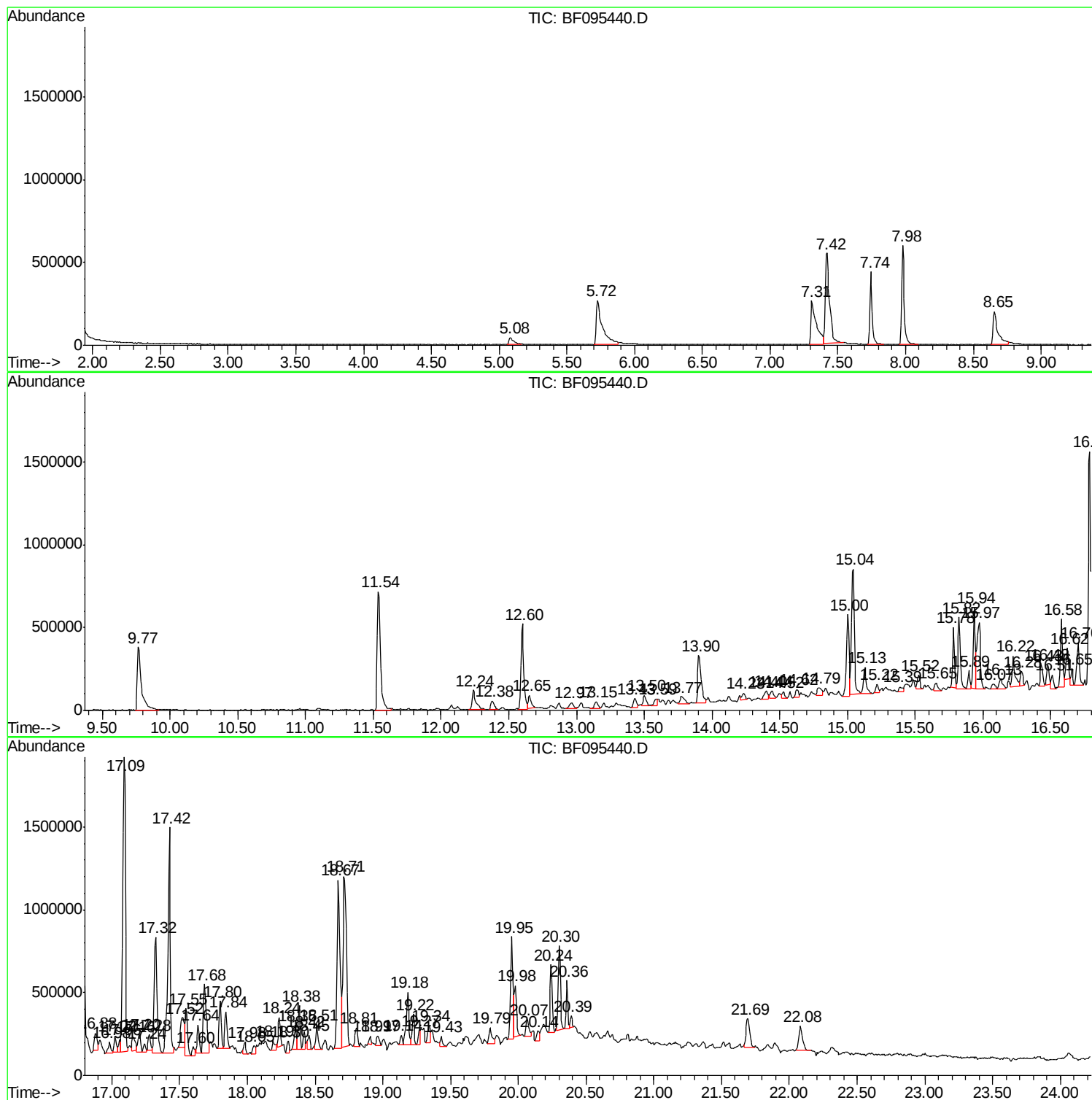
Sum of corrected areas: 35389696

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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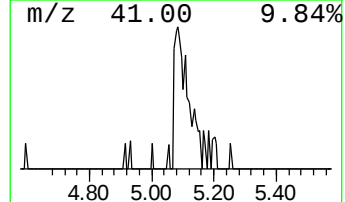
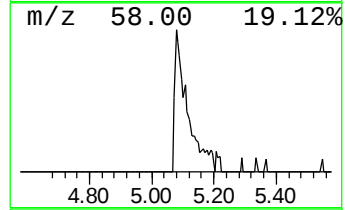
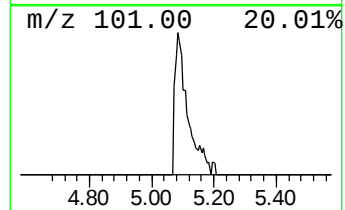
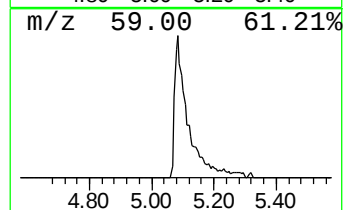
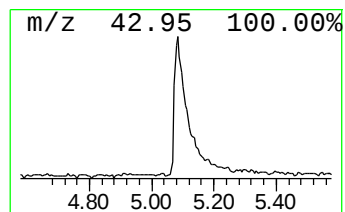
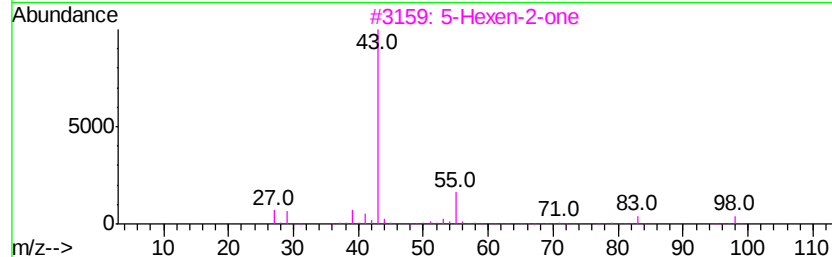
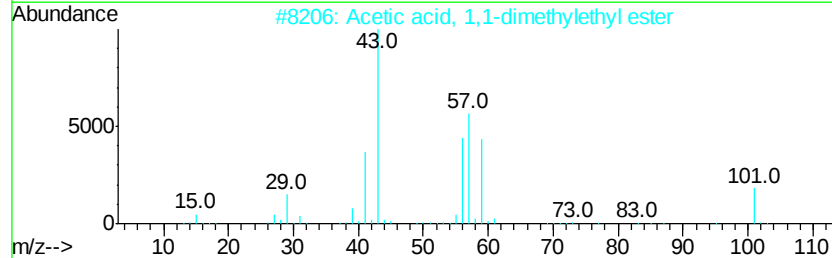
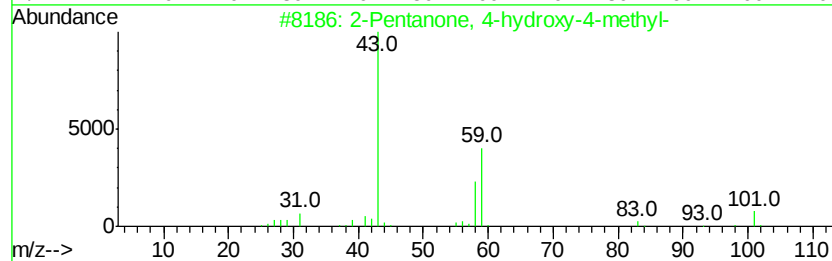
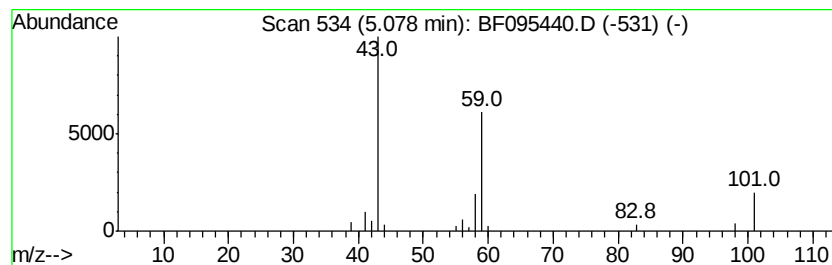
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	4.25 ng	117516	1,4-Dichlorobenzene-d4	7.74

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			5-Hexen-2-one	98	C6H10O	000109-49-9	9
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9



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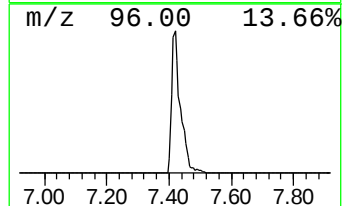
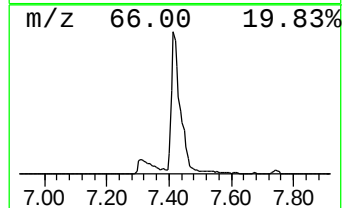
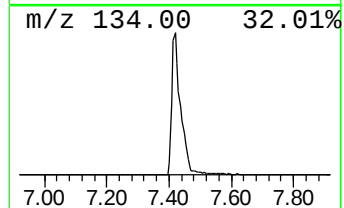
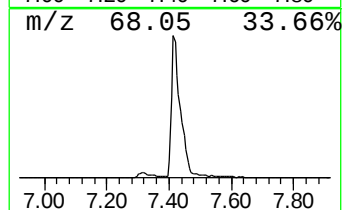
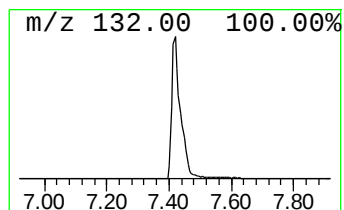
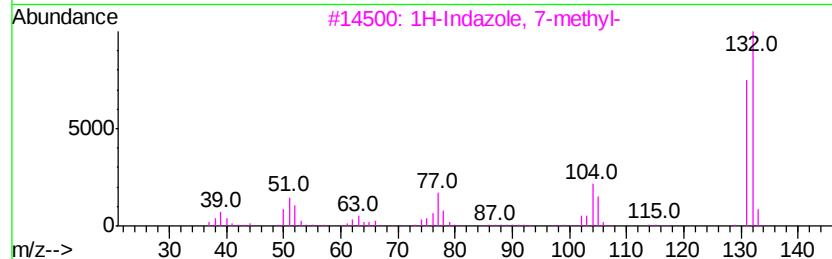
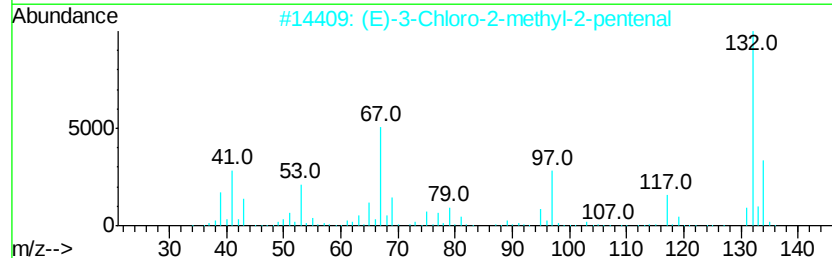
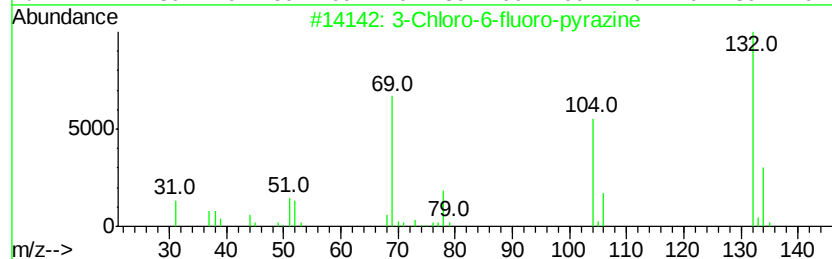
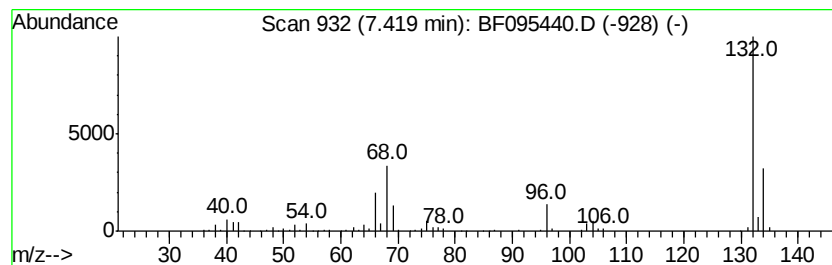
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	41.54 ng	1149820	1,4-Dichlorobenzene-d4	7.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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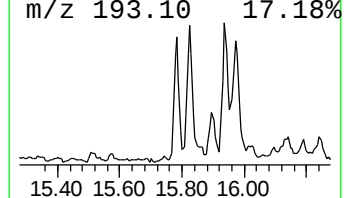
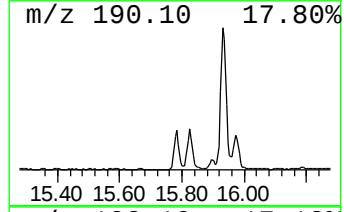
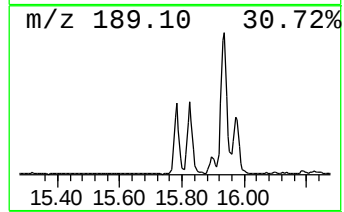
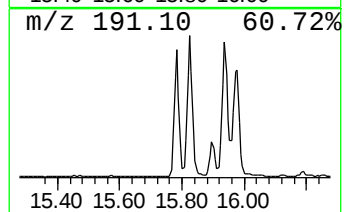
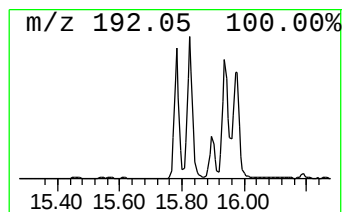
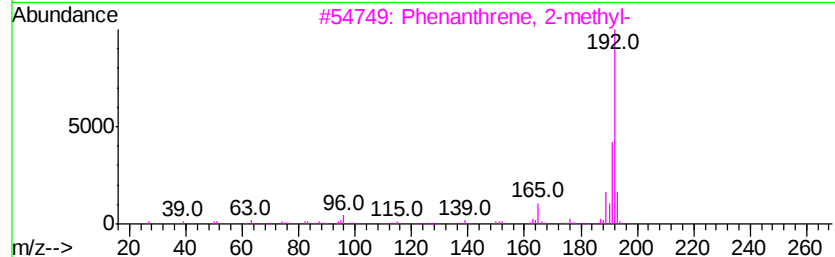
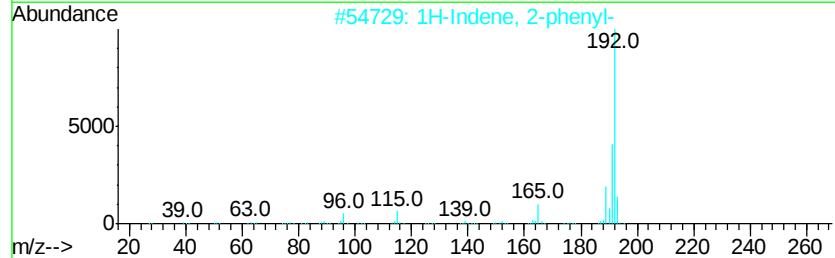
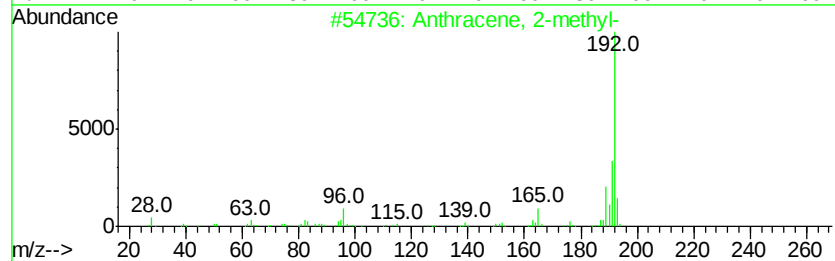
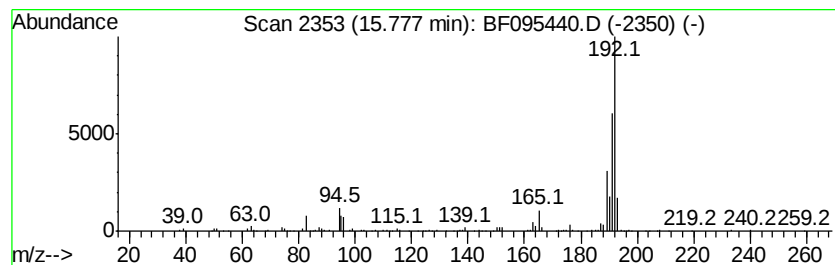
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	12.54 ng	393937	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095440.D
Acq On : 26 May 2017 00:08
Operator : SJ/MA
Sample : I3200-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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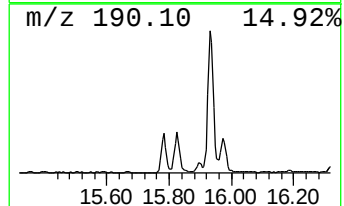
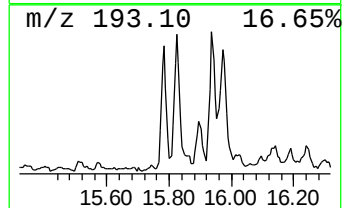
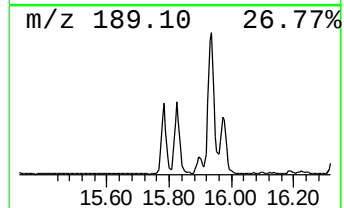
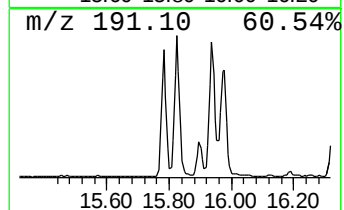
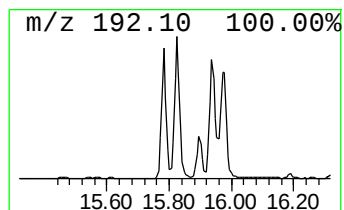
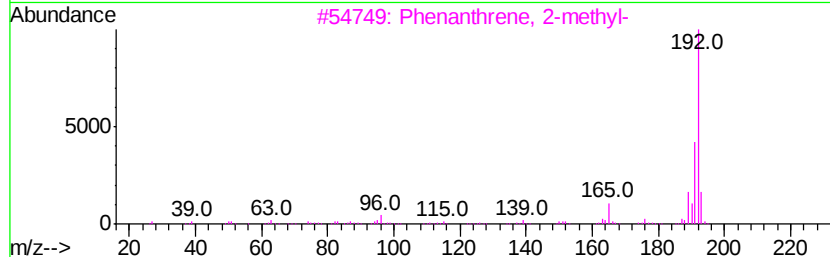
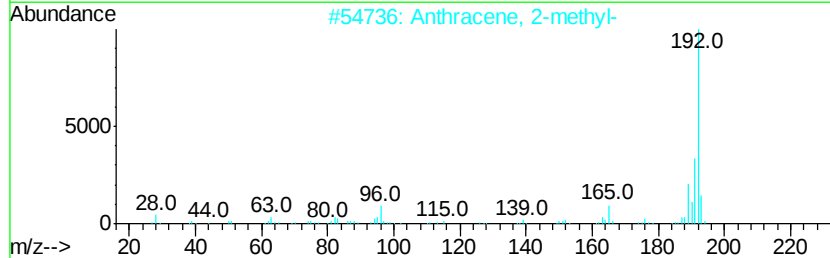
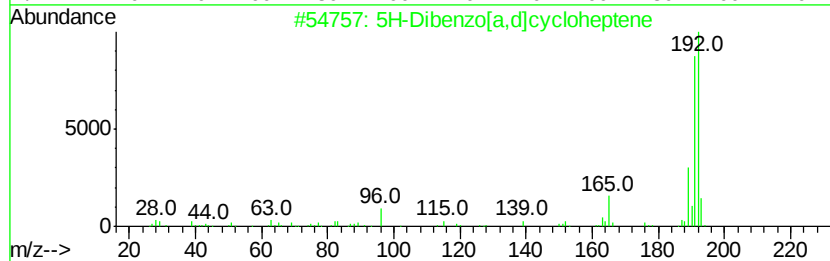
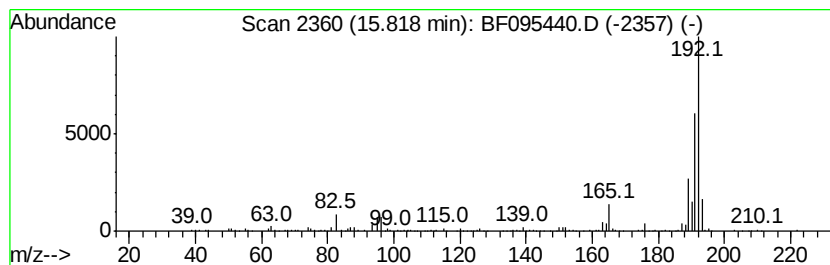
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	16.39 ng	514979	Phenanthrene-d10	15.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095440.D
Acq On : 26 May 2017 00:08
Operator : SJ/MA
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ClientSampleId :
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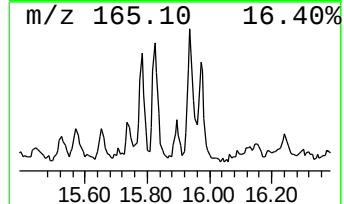
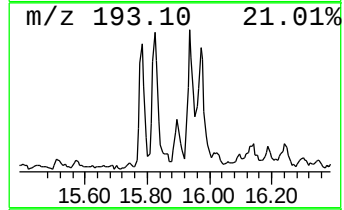
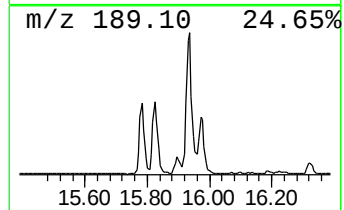
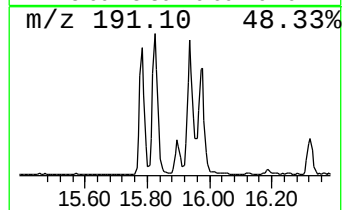
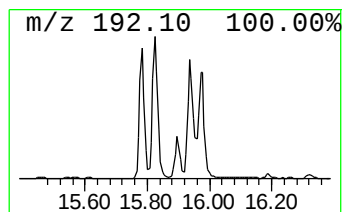
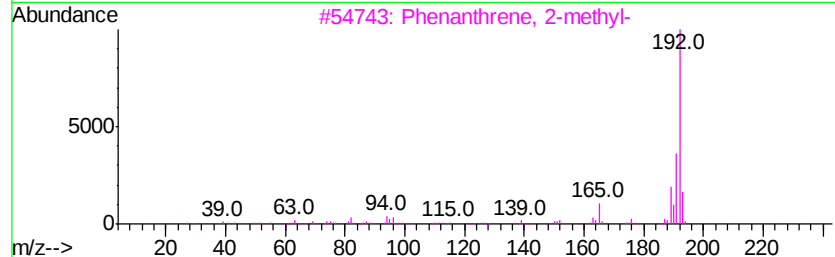
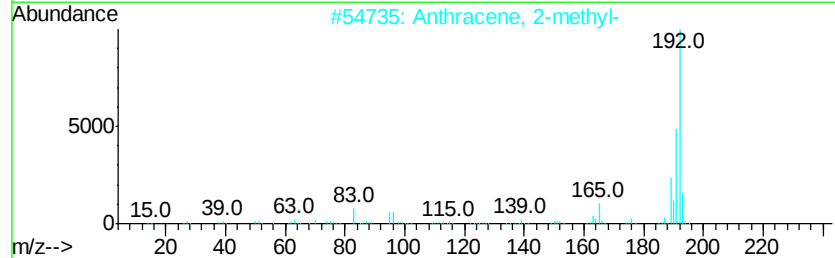
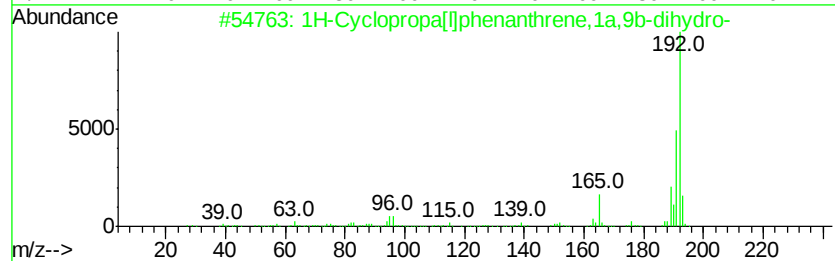
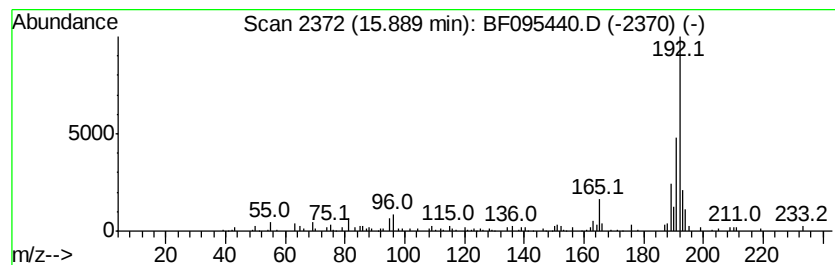
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	4.20 ng	132048	Phenanthrene-d10	15.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095440.D
Acq On : 26 May 2017 00:08
Operator : SJ/MA
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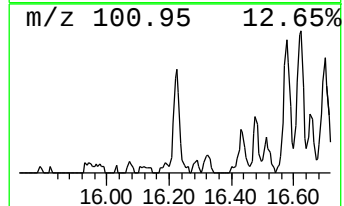
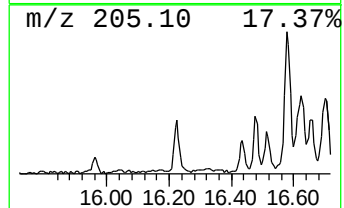
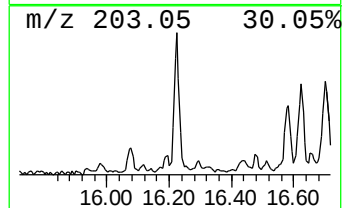
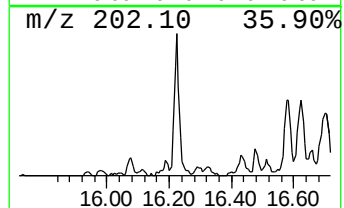
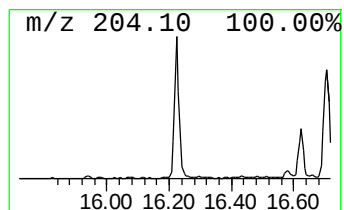
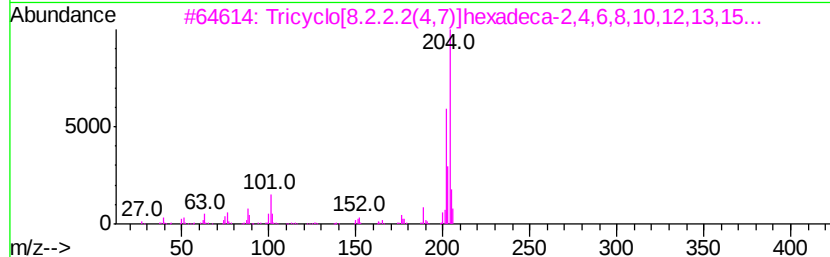
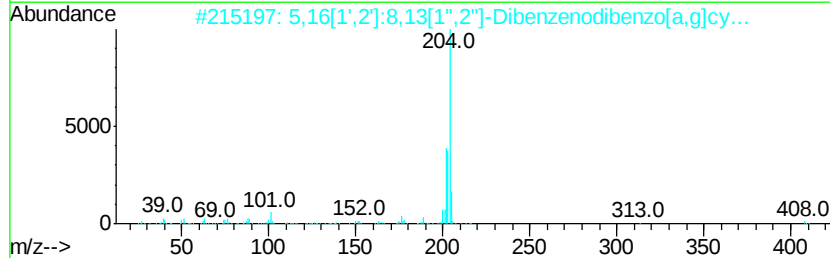
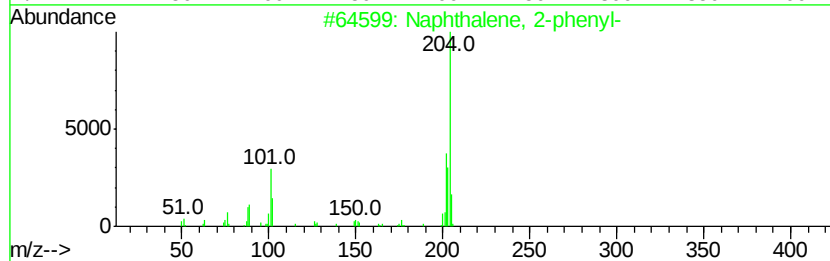
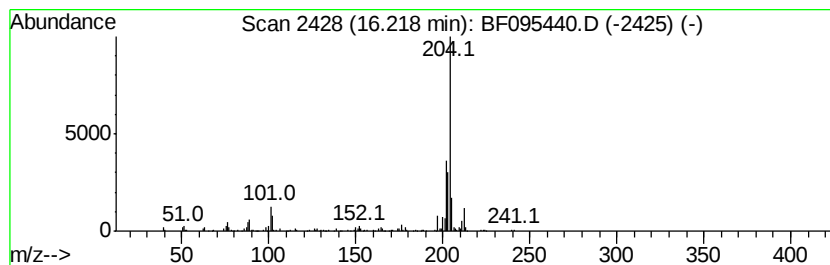
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	9.56 ng	300272	Phenanthrene-d10	15.00

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	72
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4		Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	58
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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Sample : I3200-09 2X
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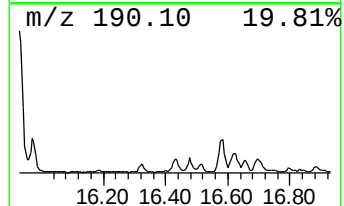
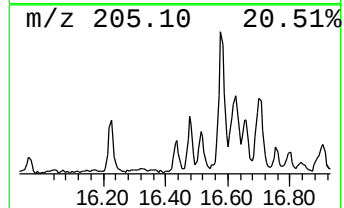
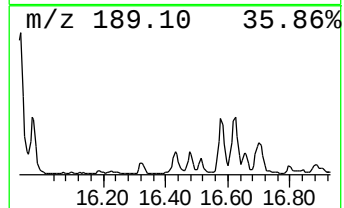
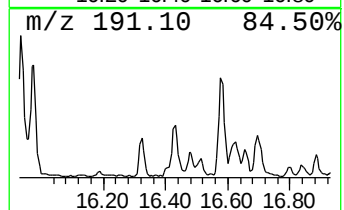
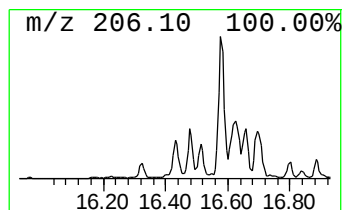
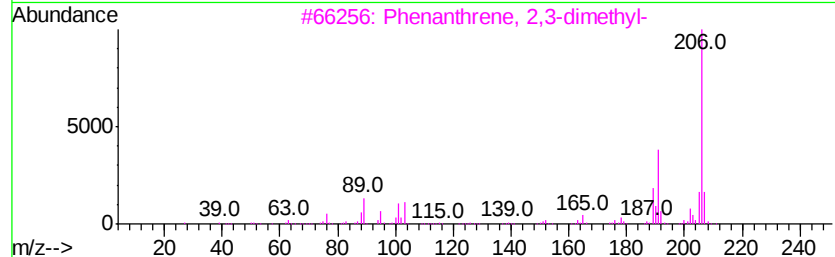
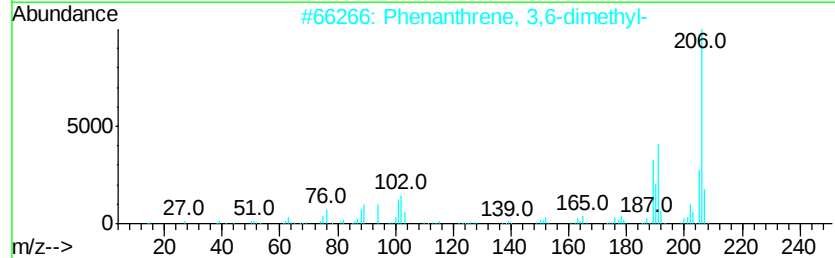
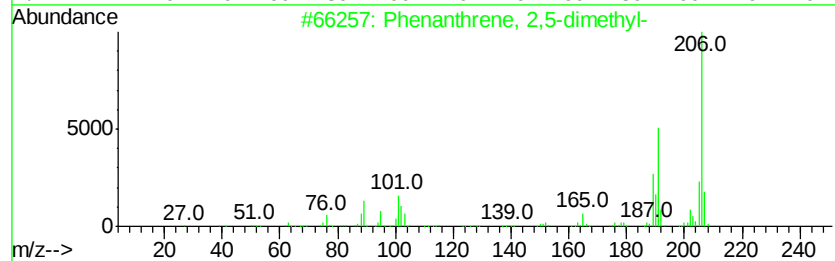
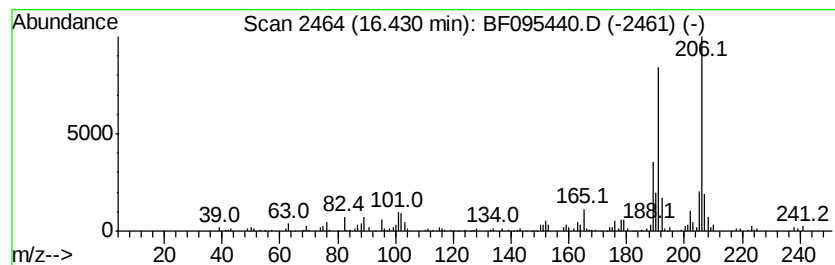
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.43	5.29 ng	166154	Phenanthrene-d10		15.00
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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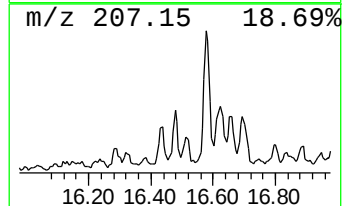
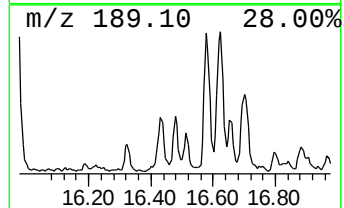
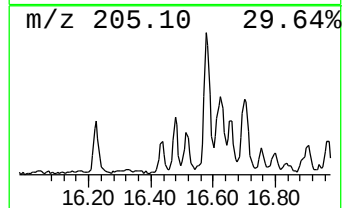
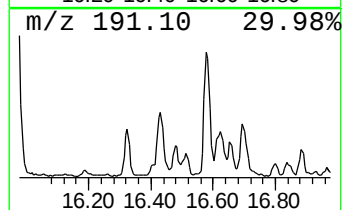
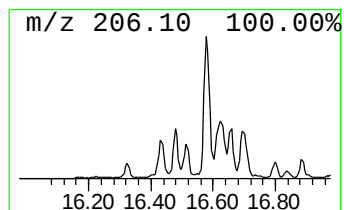
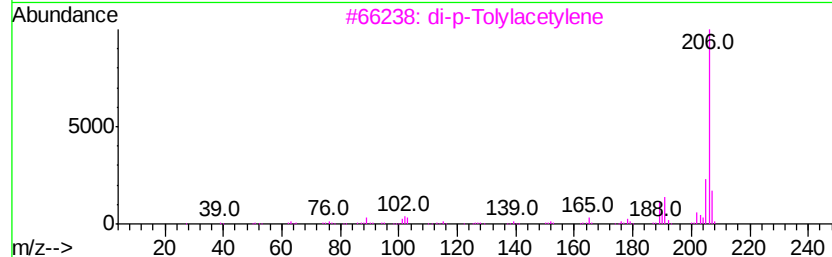
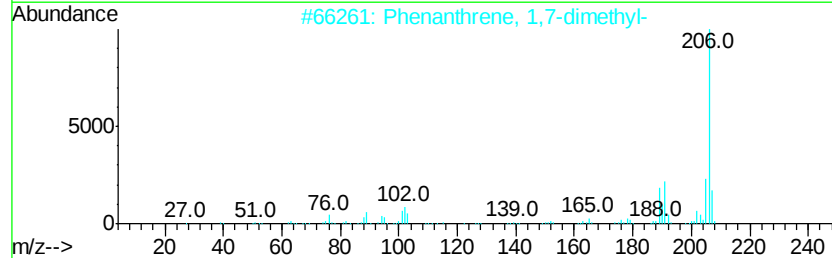
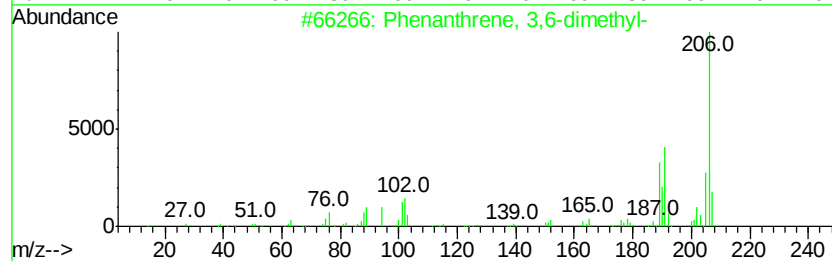
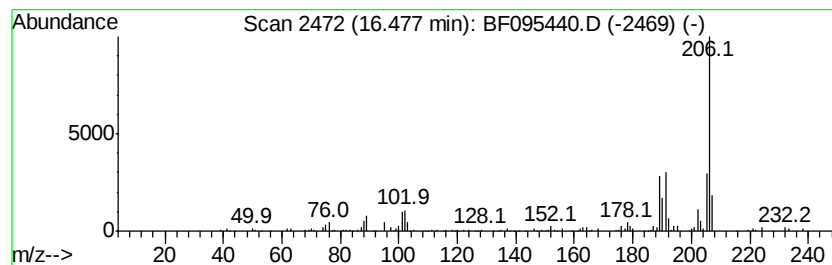
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	4.11 ng	129229	Phenanthrene-d10	15.00

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	98
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81



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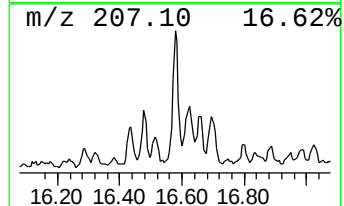
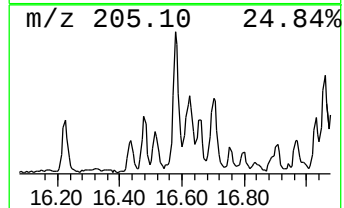
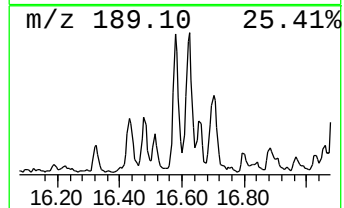
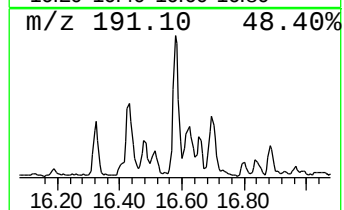
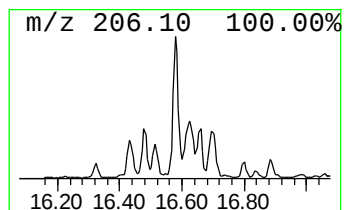
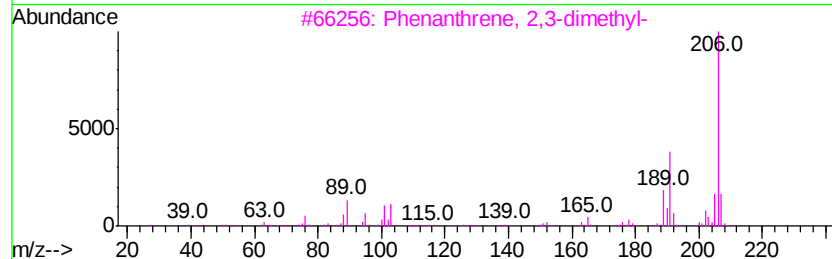
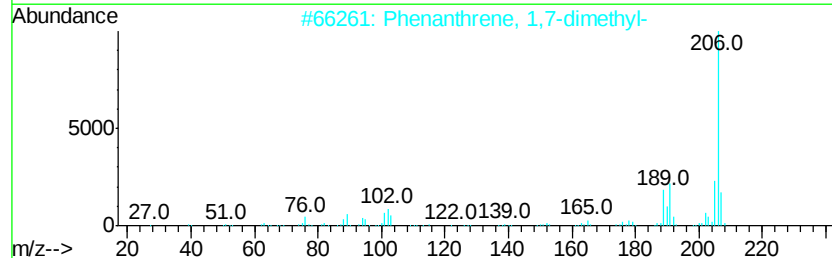
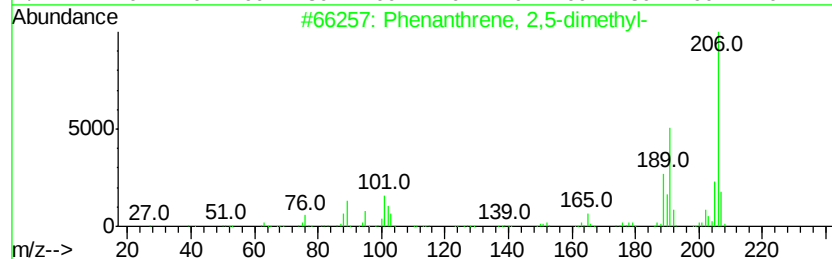
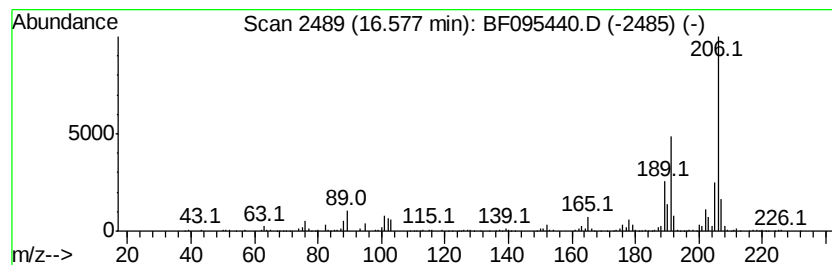
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	16.61 ng	521961	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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ALS Vial : 18 Sample Multiplier: 1

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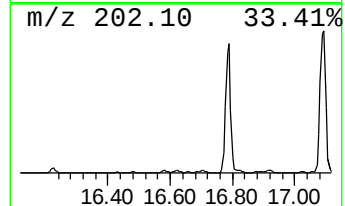
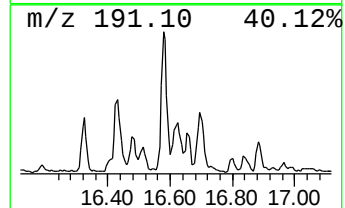
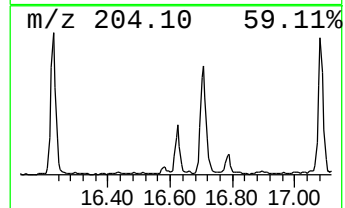
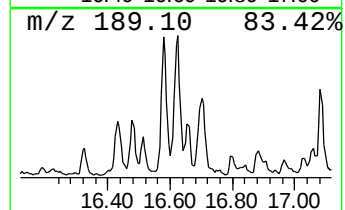
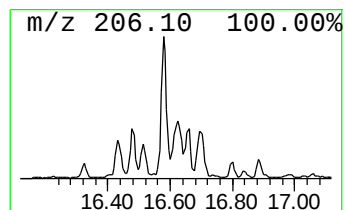
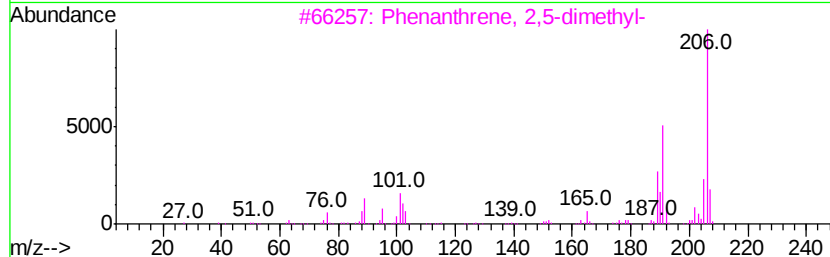
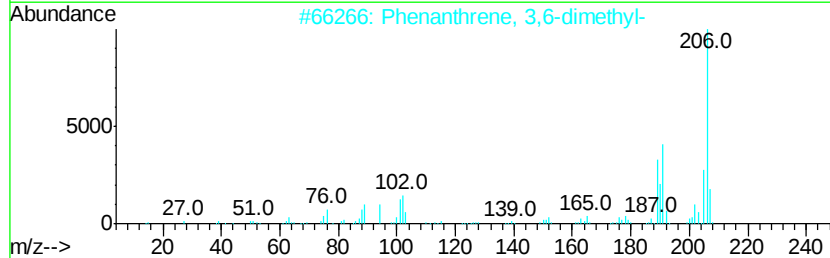
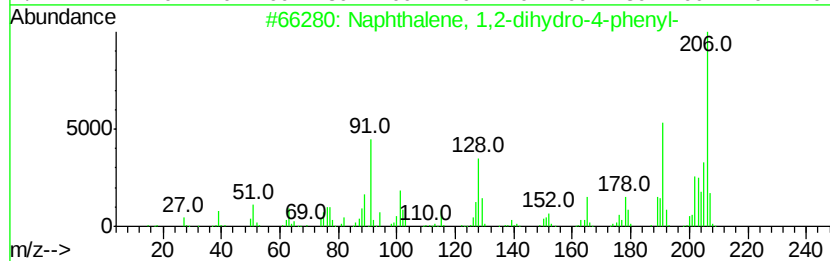
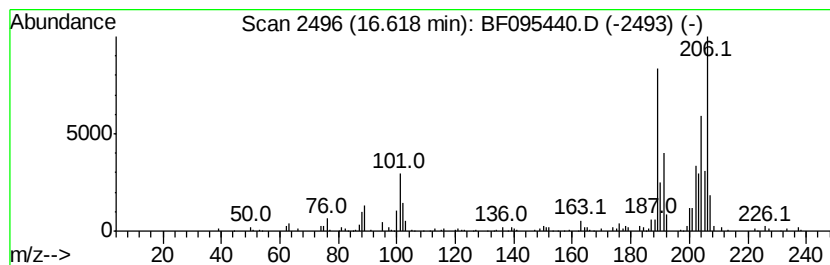
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown16.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	7.97 ng	250483	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	46
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	45
4		1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	43
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095440.D
Acq On : 26 May 2017 00:08
Operator : SJ/MA
Sample : I3200-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

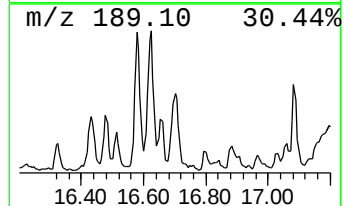
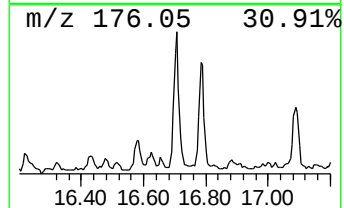
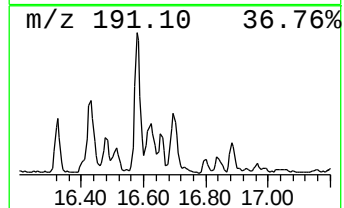
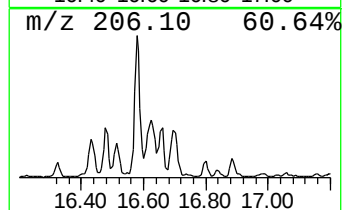
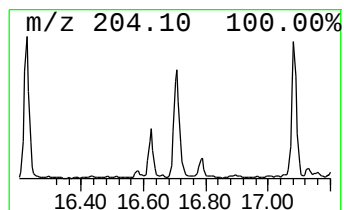
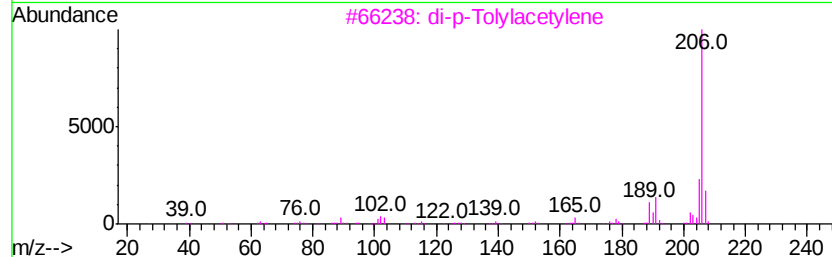
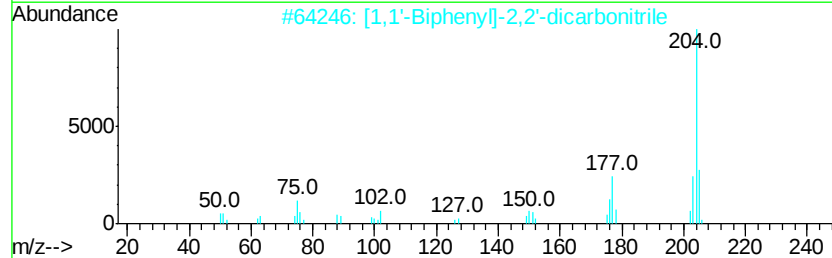
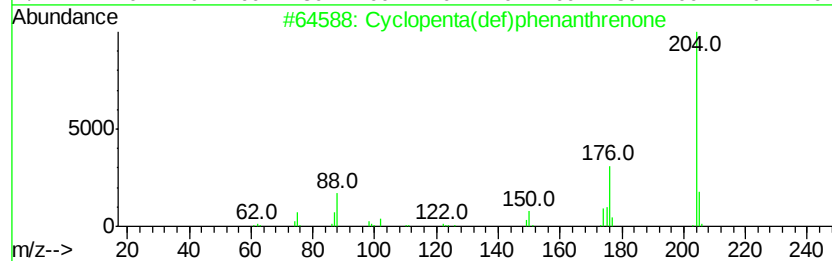
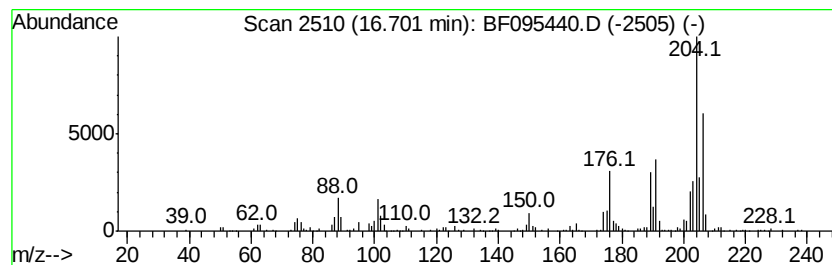
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	11.93 ng	374823	Phenanthrene-d10	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	41
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5		[1,1'-Biphenyl]-2-ol, 3-chloro-	204	C12H9ClO	000085-97-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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Sample : I3200-09 2X
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ClientSampleId :
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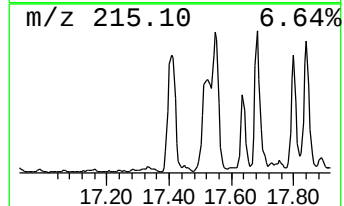
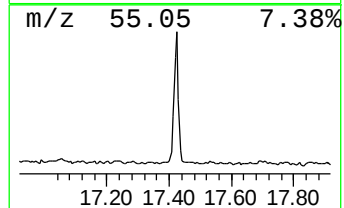
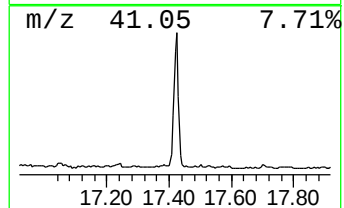
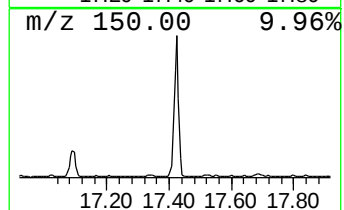
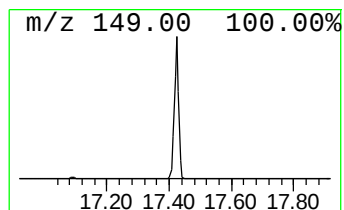
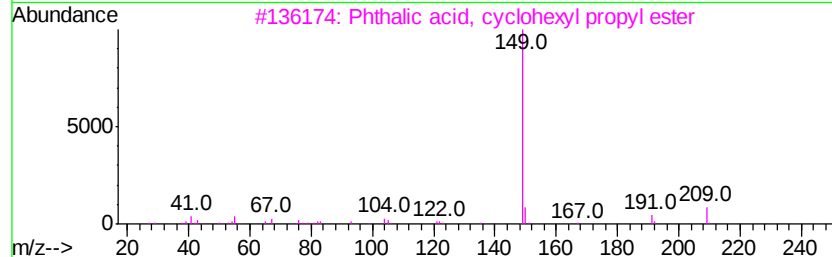
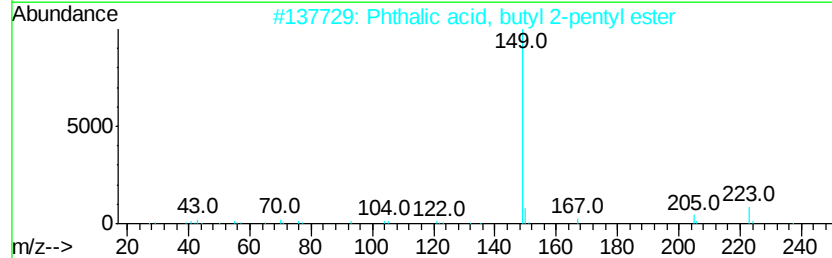
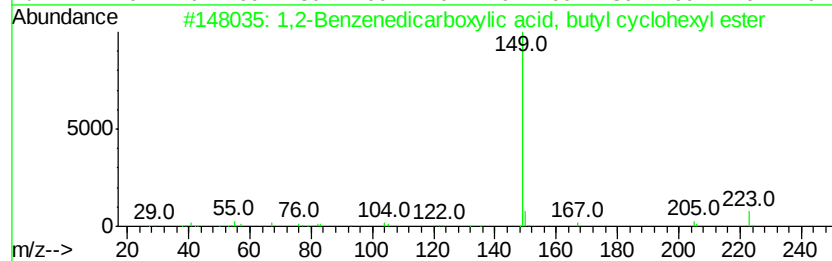
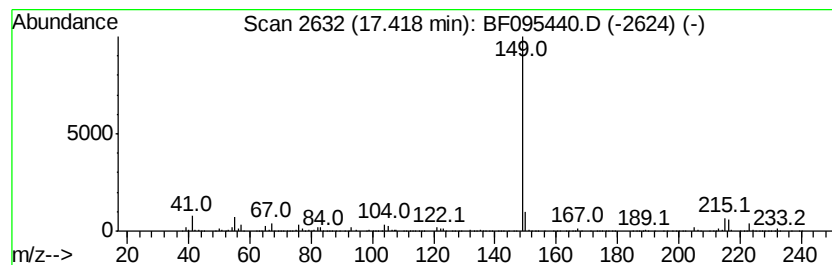
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,2-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	20.90 ng	1769710	Chrysene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenedicarboxylic acid, bu...	304	C18H24O4	000084-64-0	78
2		Phthalic acid, butyl 2-pentyl ester	292	C17H24O4	1000315-47-6	72
3		Phthalic acid, cyclohexyl propyl...	290	C17H22O4	1000315-33-4	72
4		Phthalic acid, hept-2-yl isobutyl...	320	C19H28O4	1000356-97-0	72
5		Phthalic acid, butyl 8-chlorooct...	368	C20H29ClO4	1000356-85-9	72



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Sample : I3200-09 2X
Misc :
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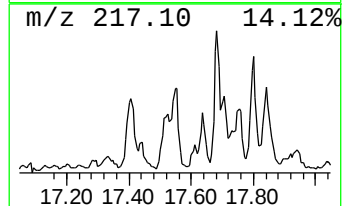
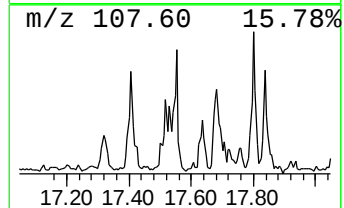
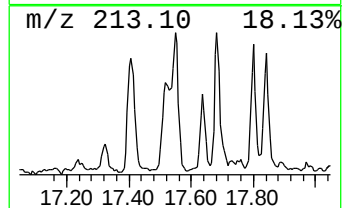
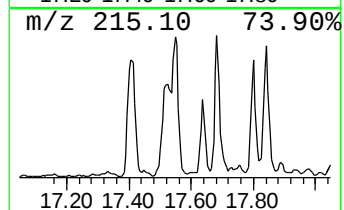
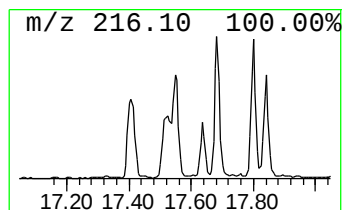
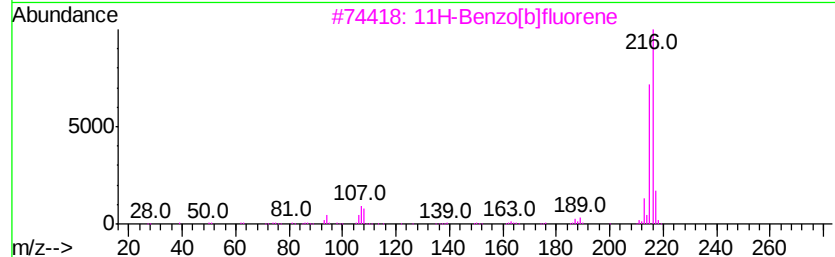
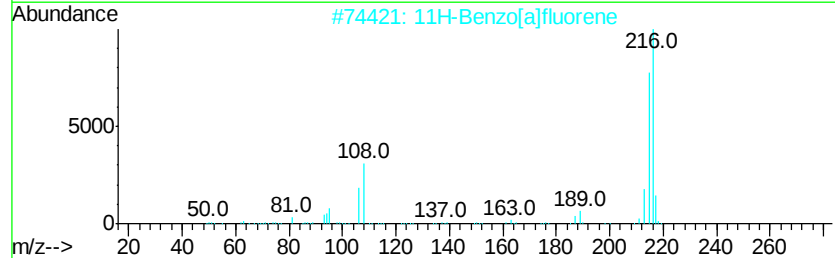
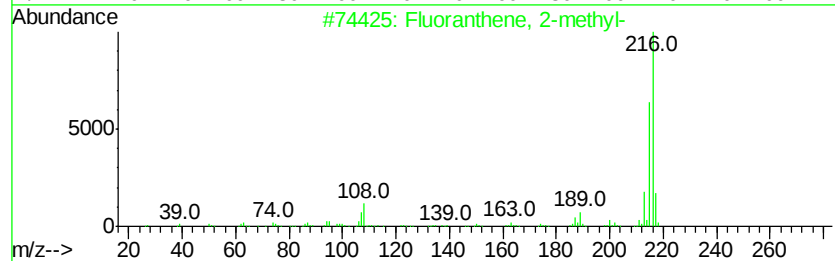
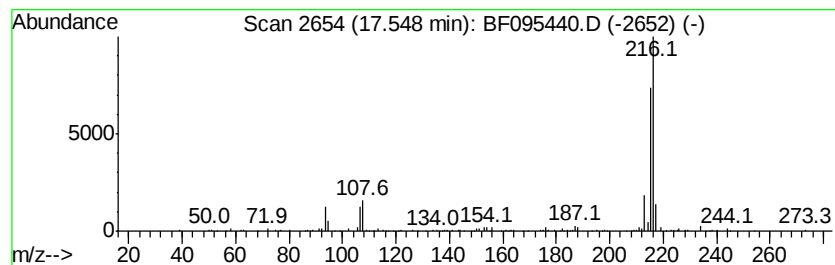
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.55	4.14 ng	350672	Chrysene-d12		18.68
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095440.D
Acq On : 26 May 2017 00:08
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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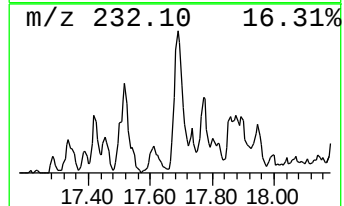
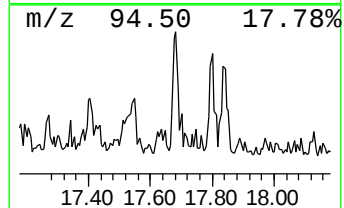
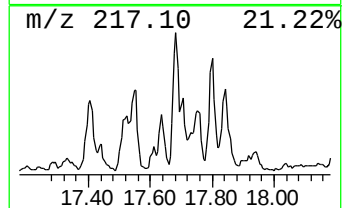
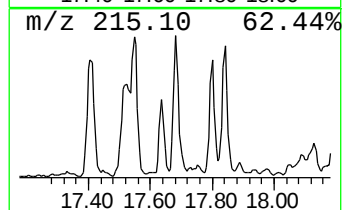
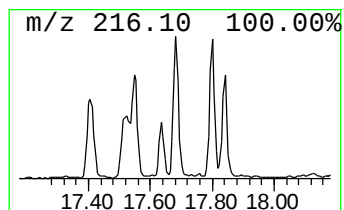
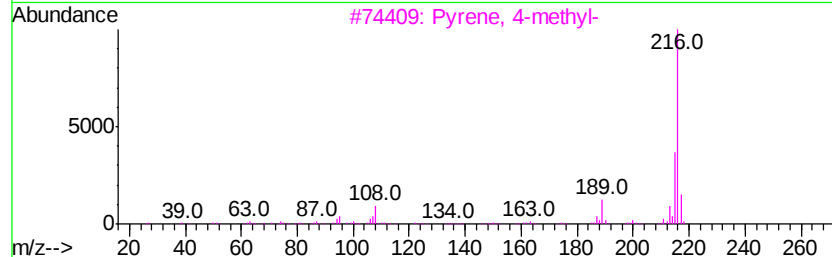
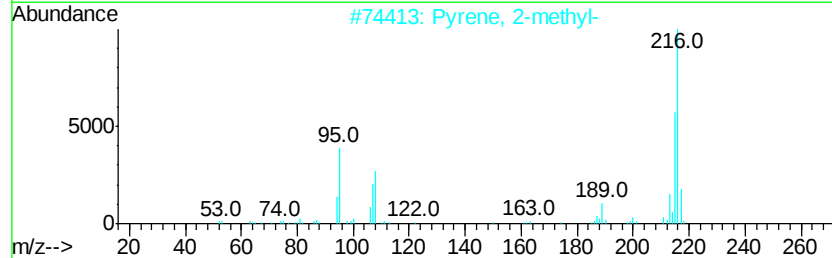
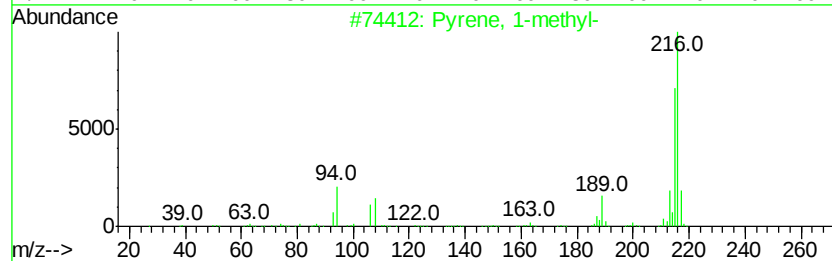
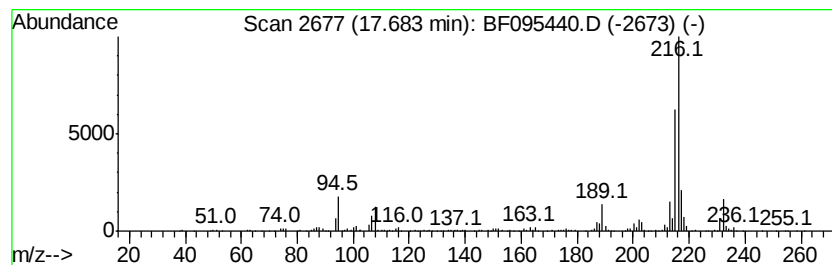
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	7.89 ng	668108	Chrysene-d12	18.68

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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Sample : I3200-09 2X
Misc :
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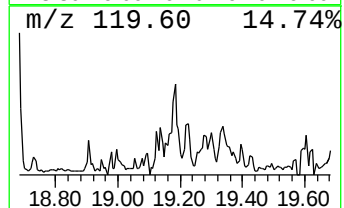
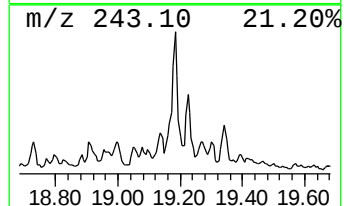
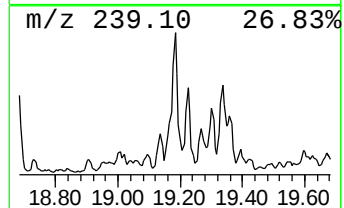
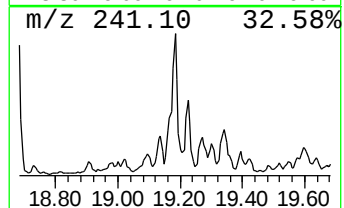
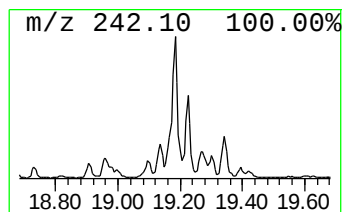
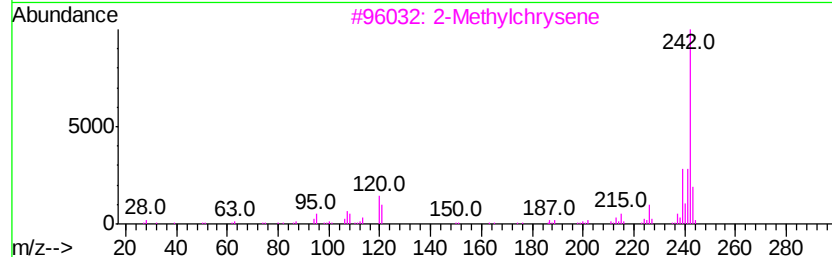
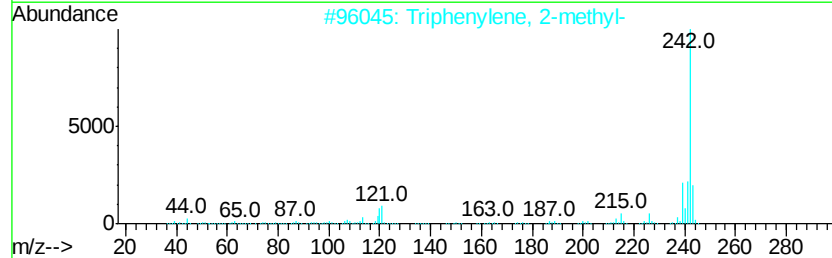
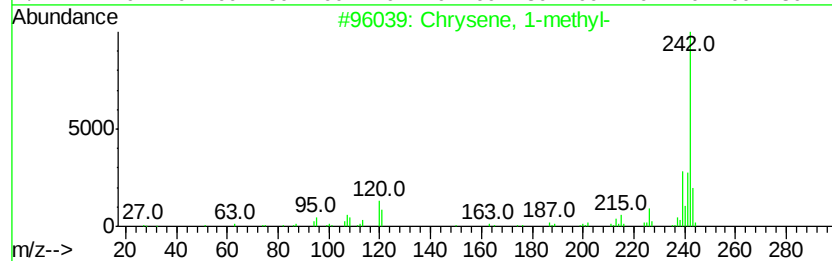
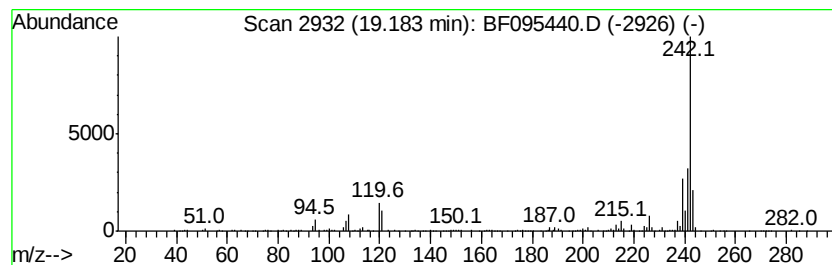
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Chrysene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.18	4.84 ng	409399	Chrysene-d12	18.68	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
3	2-Methylchrysene	242	C19H14	003351-32-4	96
4	Benz[<i>a</i>]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95



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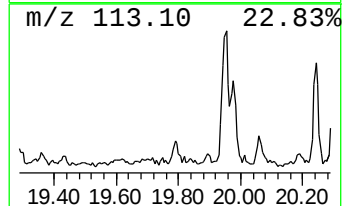
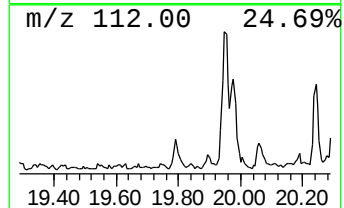
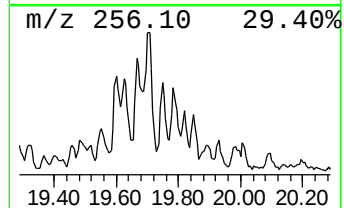
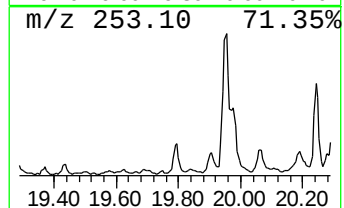
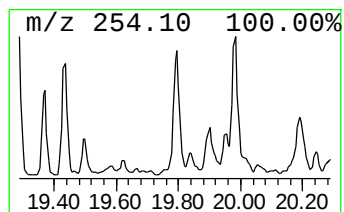
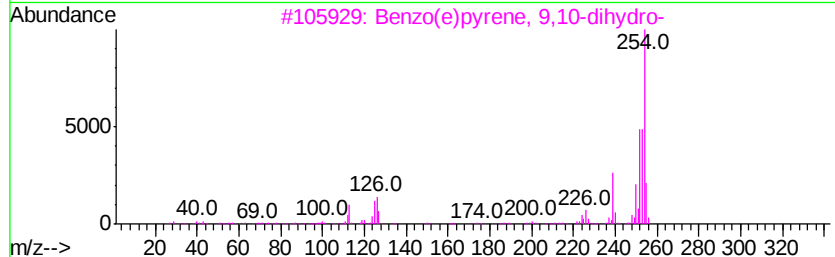
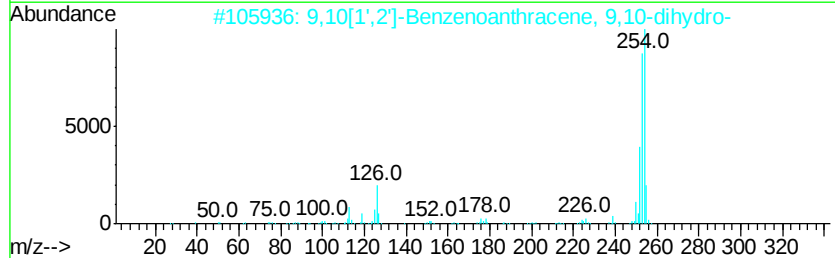
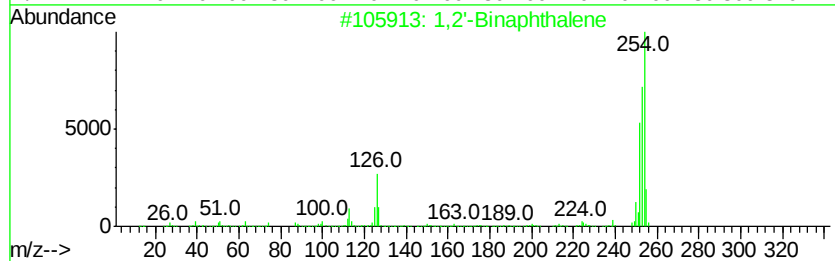
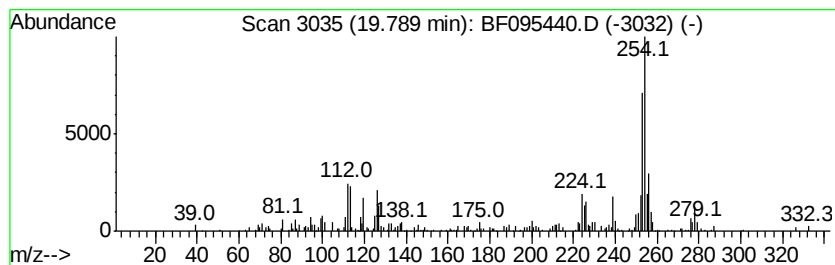
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,2'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	11.40 ng	169027	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	70
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
3		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	62
4		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
5		1,1'-Binaphthalene	254	C20H14	000604-53-5	58



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Misc :
ALS Vial : 18 Sample Multiplier: 1

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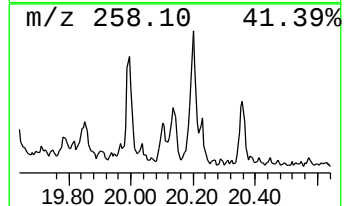
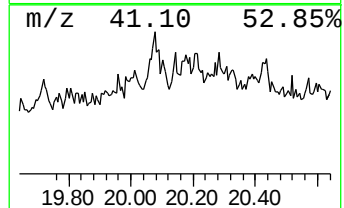
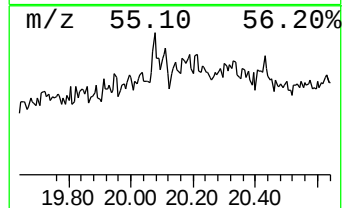
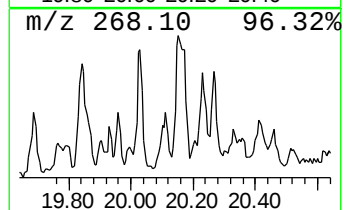
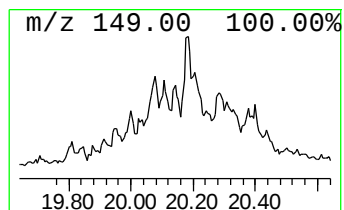
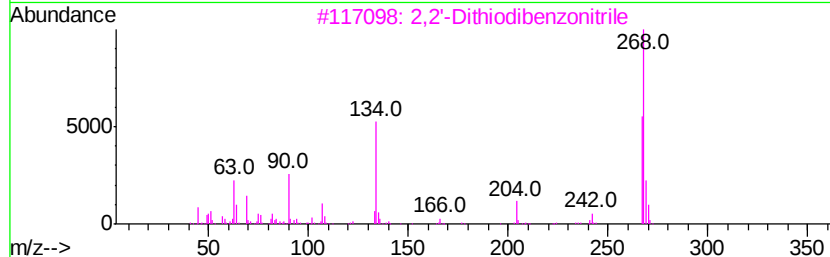
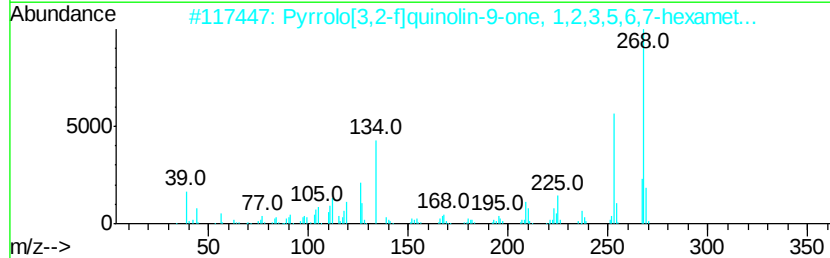
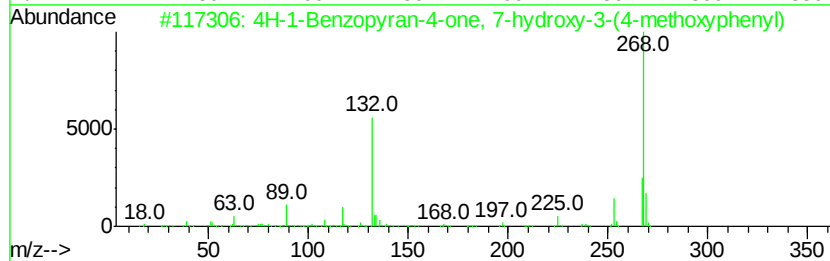
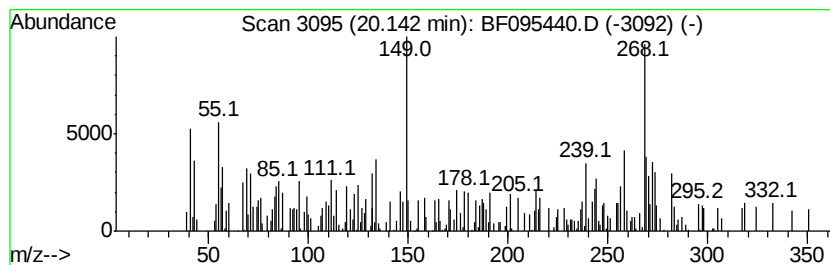
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown20.14 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	6.33 ng	93808	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-1-Benzopyran-4-one, 7-hydroxy...	268	C16H12O4	000485-72-3	18
2		Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	11
3		2,2'-Dithiodibenzonitrile	268	C14H8N2S2	033174-74-2	11
4		1,3-Benzoxazole, 2-(1,3-benzoxaz...	268	C14H8N2O2S	1000327-61-1	11
5		Estra-1,3,5(10),9(11)-tetraen-17...	268	C18H20O2	001089-80-1	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
Data File : BF095440.D
Acq On : 26 May 2017 00:08
Operator : SJ/MA
Sample : I3200-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

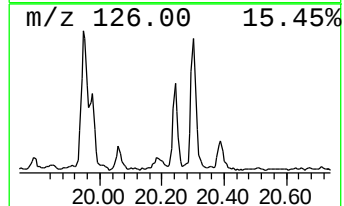
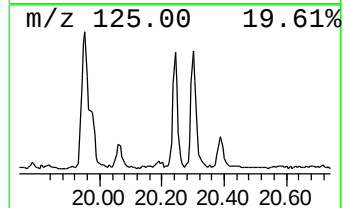
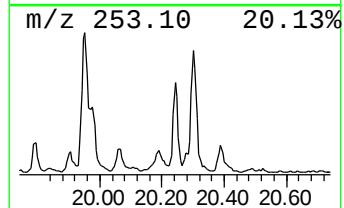
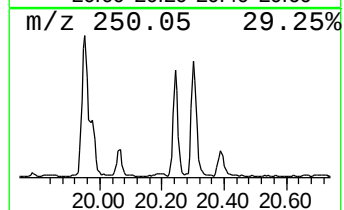
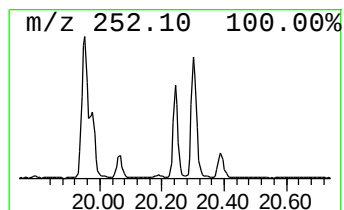
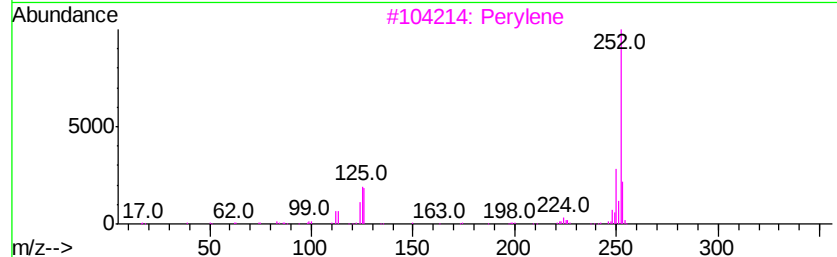
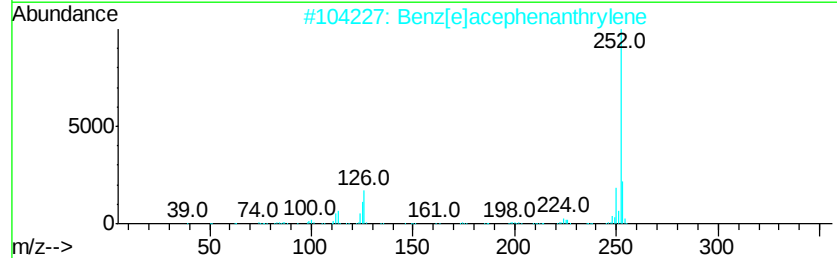
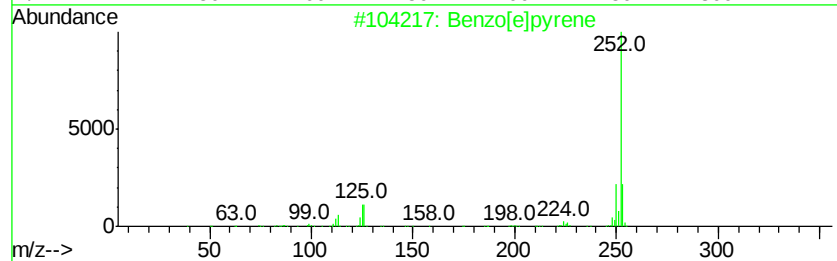
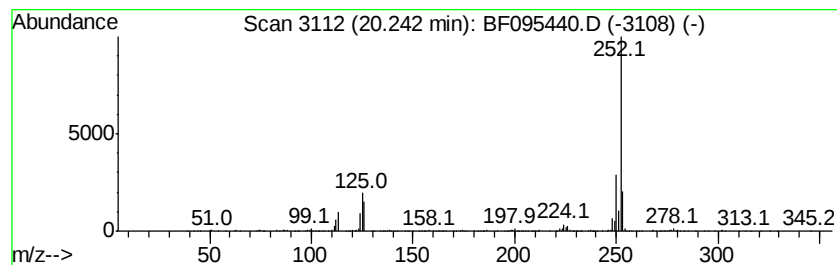
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	29.76 ng	441200	Perylene-d12	20.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Perylene	252	C20H12	000198-55-0	91
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052517\
 Data File : BF095440.D
 Acq On : 26 May 2017 00:08
 Operator : SJ/MA
 Sample : I3200-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-39-20170517

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.08	4.3	ng	117516	1	7.74	553617	20.0
unknown7.42	7.42	41.5	ng	1149820	1	7.74	553617	20.0
Anthracene, 2-met...	15.78	12.5	ng	393937	4	15.00	628386	20.0
5H-Dibenzo[a,d]cy...	15.82	16.4	ng	514979	4	15.00	628386	20.0
1H-Cyclopropa[l]p...	15.89	4.2	ng	132048	4	15.00	628386	20.0
Naphthalene, 2-ph...	16.22	9.6	ng	300272	4	15.00	628386	20.0
Phenanthrene, 2,5...	16.43	5.3	ng	166154	4	15.00	628386	20.0
Phenanthrene, 3,6...	16.48	4.1	ng	129229	4	15.00	628386	20.0
Phenanthrene, 2,3...	16.58	16.6	ng	521961	4	15.00	628386	20.0
unknown16.62	16.62	8.0	ng	250483	4	15.00	628386	20.0
Cyclopenta(def)ph...	16.70	11.9	ng	374823	4	15.00	628386	20.0
1,2-Benzenedicarb...	17.42	20.9	ng	1769710	5	18.68	1693450	20.0
Fluoranthene, 2-m...	17.55	4.1	ng	350672	5	18.68	1693450	20.0
Pyrene, 1-methyl-	17.68	7.9	ng	668108	5	18.68	1693450	20.0
Chrysene, 1-methyl-	19.18	4.8	ng	409399	5	18.68	1693450	20.0
1,2'-Binaphthalene	19.79	11.4	ng	169027	6	20.36	296485	20.0
unknown20.14	20.14	6.3	ng	93808	6	20.36	296485	20.0
Benzo[e]pyrene	20.24	29.8	ng	441200	6	20.36	296485	20.0