

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096006.D
 Acq On : 19 Jun 2017 15:07
 Operator : SJ/MA
 Sample : I3683-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.558	10	12	68	rVB	2080944	4723075	100.00%	19.959%
2	6.951	926	929	934	rBV3	24497	54592	1.16%	0.231%
3	7.004	935	938	957	rVB	66581	202228	4.28%	0.855%
4	7.304	985	989	1007	rBV	365809	510196	10.80%	2.156%
5	7.551	1026	1031	1051	rBV	77221	138697	2.94%	0.586%
6	8.269	1150	1153	1169	rBV3	21667	81791	1.73%	0.346%
7	9.334	1330	1334	1337	rBV	629516	710157	15.04%	3.001%
8	9.369	1337	1340	1356	rVB	520700	737775	15.62%	3.118%
9	10.504	1529	1533	1547	rBV	187686	255705	5.41%	1.081%
10	10.657	1553	1559	1572	rBV	97390	157681	3.34%	0.666%
11	11.116	1633	1637	1645	rBV	176366	225378	4.77%	0.952%
12	11.275	1660	1664	1671	rVB	43027	53658	1.14%	0.227%
13	11.522	1703	1706	1708	rBV2	40518	51179	1.08%	0.216%
14	11.639	1721	1726	1730	rBV	63370	96007	2.03%	0.406%
15	11.686	1730	1734	1744	rVB2	39699	65499	1.39%	0.277%
16	11.827	1753	1758	1769	rBV4	37979	80112	1.70%	0.339%
17	12.157	1809	1814	1818	rBV2	594244	745074	15.78%	3.149%
18	12.204	1818	1822	1832	rVB	207619	309526	6.55%	1.308%
19	12.498	1868	1872	1883	rBV	195984	298570	6.32%	1.262%
20	13.051	1961	1966	1975	rVB	301224	409770	8.68%	1.732%
21	13.327	2009	2013	2024	rBV	63027	99717	2.11%	0.421%
22	13.469	2029	2037	2044	rVV2	71757	180731	3.83%	0.764%
23	13.804	2088	2094	2098	rBV5	23995	50505	1.07%	0.213%
24	13.957	2113	2120	2124	rBV	49756	96687	2.05%	0.409%
25	14.286	2171	2176	2181	rBV	75868	111519	2.36%	0.471%
26	14.380	2189	2192	2197	rVB	94587	116315	2.46%	0.492%
27	14.545	2216	2220	2223	rBV	536413	662183	14.02%	2.798%
28	14.592	2223	2228	2235	rVV	1389718	1851308	39.20%	7.823%
29	14.674	2237	2242	2251	rVB	365056	505523	10.70%	2.136%
30	14.780	2256	2260	2264	rBV4	32574	54560	1.16%	0.231%
31	14.945	2284	2288	2291	rBV	31910	48152	1.02%	0.203%
32	14.980	2291	2294	2304	rVV	158499	247246	5.23%	1.045%
33	15.357	2354	2358	2362	rBV	179180	202852	4.29%	0.857%
34	15.404	2362	2366	2372	rVV	198012	260782	5.52%	1.102%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.474	2375	2378	2380	rVV	84983	100796	2.13%	0.426%
36	15.504	2380	2383	2387	rVV2	178721	271435	5.75%	1.147%
37	15.551	2388	2391	2400	rVB3	100368	185401	3.93%	0.783%
38	15.810	2431	2435	2444	rVB2	122011	161688	3.42%	0.683%
39	15.886	2445	2448	2456	rBV2	62232	106930	2.26%	0.452%
40	16.074	2476	2480	2484	rBV	36760	48416	1.03%	0.205%
41	16.174	2493	2497	2500	rVV	80810	99650	2.11%	0.421%
42	16.210	2500	2503	2508	rVV4	53904	99388	2.10%	0.420%
43	16.298	2513	2518	2525	rVV3	57766	95540	2.02%	0.404%
44	16.374	2525	2531	2537	rVV	984256	1184372	25.08%	5.005%
45	16.421	2537	2539	2544	rVB2	37455	48337	1.02%	0.204%
46	16.486	2546	2550	2557	rVB8	26725	65646	1.39%	0.277%
47	16.674	2578	2582	2588	rVB	941252	1117240	23.65%	4.721%
48	16.792	2597	2602	2607	rVB2	272539	308322	6.53%	1.303%
49	16.874	2612	2616	2618	rBV3	54597	81002	1.72%	0.342%
50	16.898	2618	2620	2622	rVV2	49844	49659	1.05%	0.210%
51	16.927	2622	2625	2631	rVB2	182478	231041	4.89%	0.976%
52	17.004	2632	2638	2645	rBV3	56966	119191	2.52%	0.504%
53	17.121	2654	2658	2660	rBV4	54831	90437	1.91%	0.382%
54	17.151	2660	2663	2668	rVB2	120398	163161	3.45%	0.689%
55	17.239	2674	2678	2682	rVB	94284	119868	2.54%	0.507%
56	17.286	2682	2686	2690	rBV3	102135	159117	3.37%	0.672%
57	17.333	2692	2694	2700	rVV4	49492	69486	1.47%	0.294%
58	17.398	2700	2705	2709	rVV3	59499	86448	1.83%	0.365%
59	17.439	2709	2712	2718	rVV	40514	66483	1.41%	0.281%
60	17.721	2756	2760	2764	rVB	187071	209042	4.43%	0.883%
61	17.786	2767	2771	2773	rBV	48292	59263	1.25%	0.250%
62	17.851	2779	2782	2786	rVB	47766	58902	1.25%	0.249%
63	17.956	2796	2800	2802	rVV3	44052	58149	1.23%	0.246%
64	17.980	2802	2804	2808	rVV2	62941	81832	1.73%	0.346%
65	18.056	2814	2817	2821	rVB2	51218	53792	1.14%	0.227%
66	18.127	2826	2829	2832	rVB2	52081	58468	1.24%	0.247%
67	18.204	2839	2842	2845	rVB	47844	50487	1.07%	0.213%
68	18.274	2848	2854	2857	rBV2	575671	908758	19.24%	3.840%
69	18.309	2857	2860	2865	rVB2	191499	268816	5.69%	1.136%
70	18.404	2873	2876	2880	rVB2	51990	73471	1.56%	0.310%
71	18.604	2907	2910	2917	rVB4	83844	127179	2.69%	0.537%

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72	18.792	2938	2942	2945	rBV2	67869	86717	1.84%	0.366%
73	18.827	2945	2948	2952	rVB	53133	64712	1.37%	0.273%
74	18.898	2956	2960	2964	rBV3	33693	55021	1.16%	0.233%
75	18.986	2973	2975	2980	rVB2	54291	58114	1.23%	0.246%
76	19.545	3066	3070	3073	rBV	304172	396522	8.40%	1.676%
77	19.662	3087	3090	3093	rBV	51090	64592	1.37%	0.273%
78	19.709	3095	3098	3102	rVB2	41042	53489	1.13%	0.226%
79	19.833	3116	3119	3123	rBV	164704	178480	3.78%	0.754%
80	19.892	3126	3129	3134	rBV	260831	268423	5.68%	1.134%
81	19.945	3134	3138	3142	rBV	362309	432461	9.16%	1.828%
82	20.745	3271	3274	3276	rBV3	38771	49073	1.04%	0.207%
83	21.115	3332	3337	3343	rBV2	105642	187862	3.98%	0.794%
84	21.239	3355	3358	3363	rVB2	40064	51852	1.10%	0.219%
85	21.439	3389	3392	3402	rVB	77060	184736	3.91%	0.781%

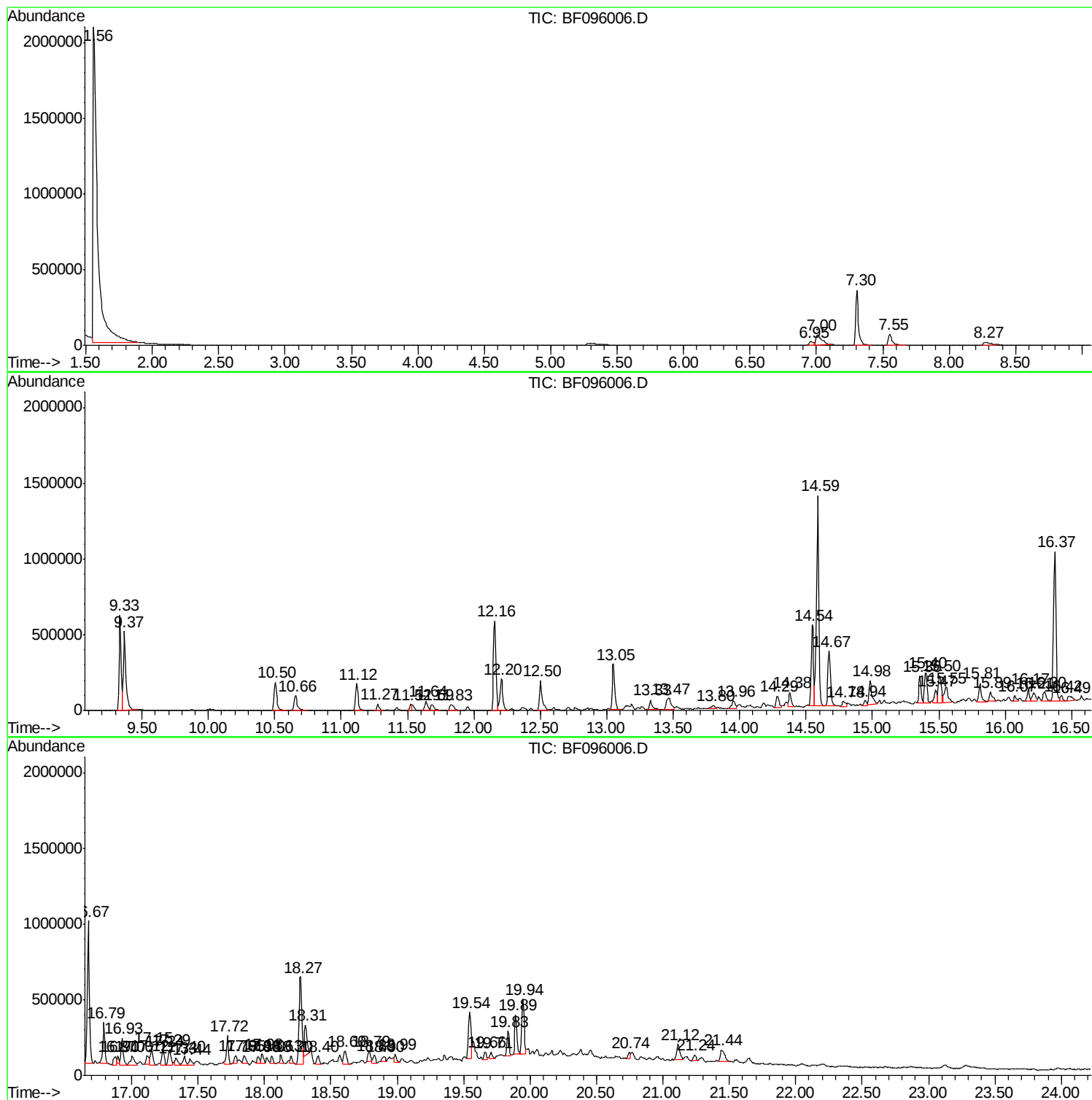
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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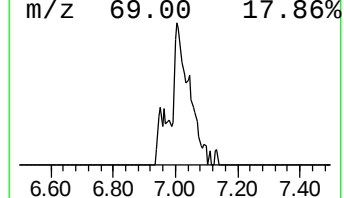
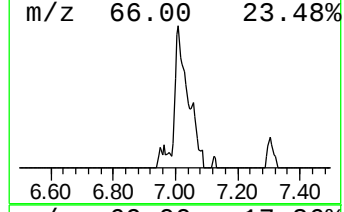
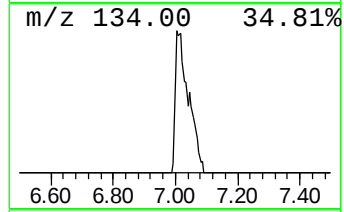
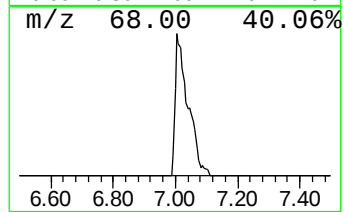
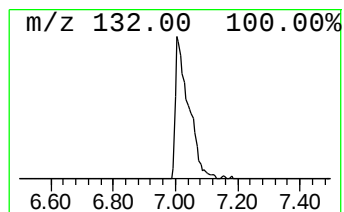
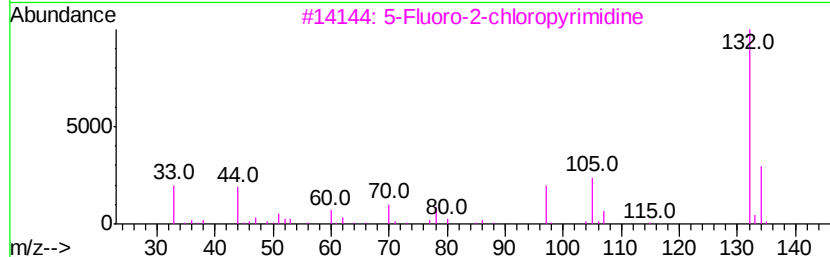
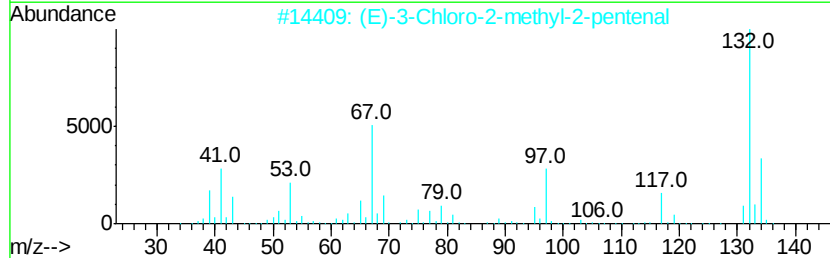
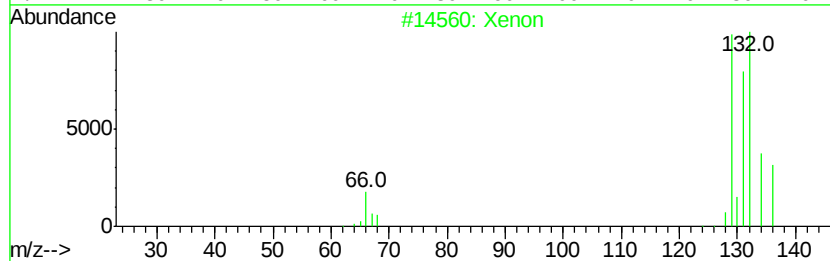
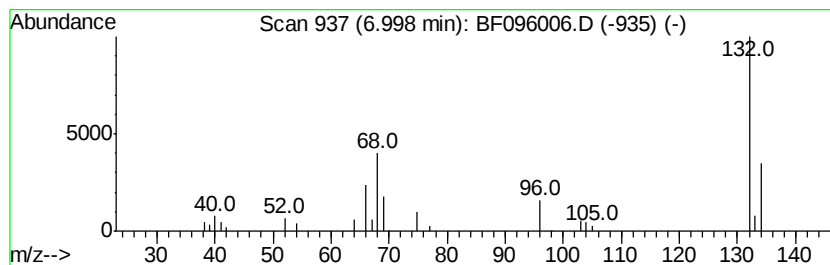
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.00 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	7.93 ng	202228	1,4-Dichlorobenzene-d4	7.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Xenon	132	Xe	007440-63-3	45
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	12
5		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10



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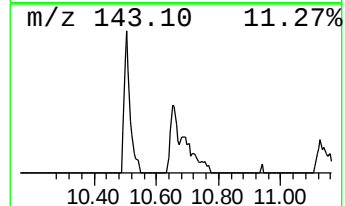
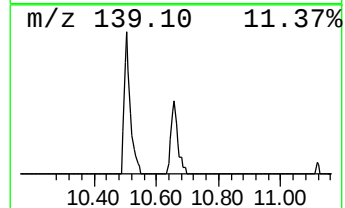
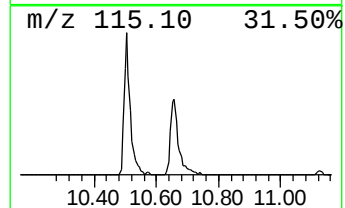
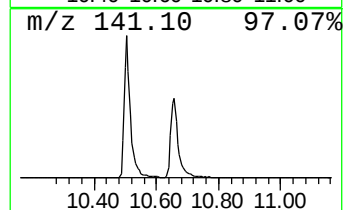
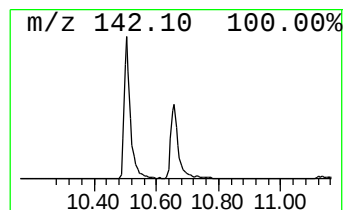
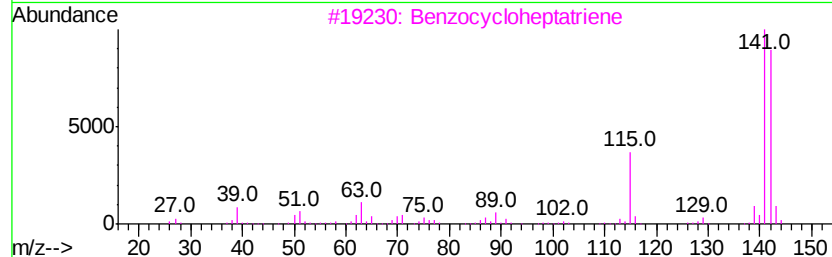
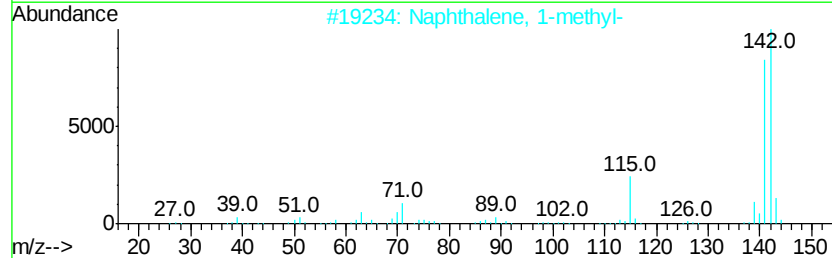
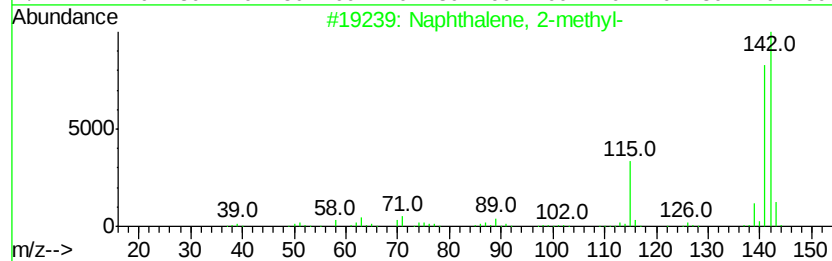
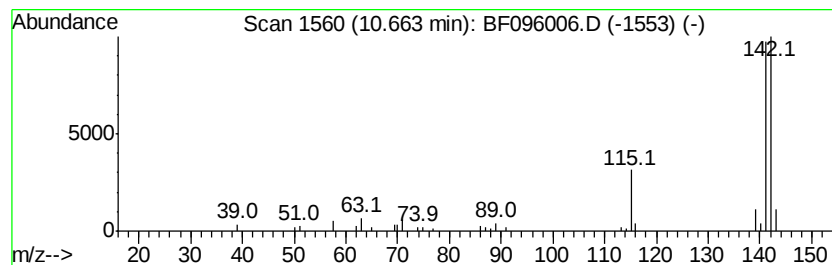
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.44 ng	157681	Naphthalene-d8	9.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	86



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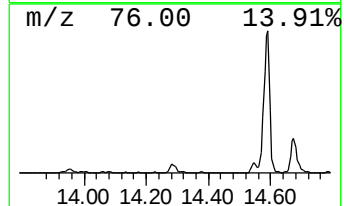
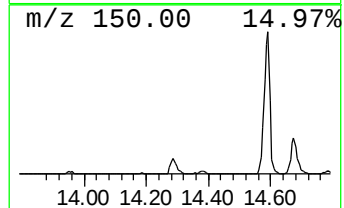
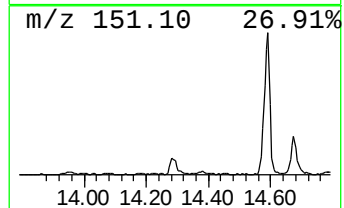
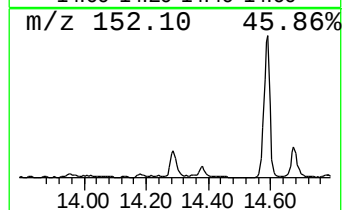
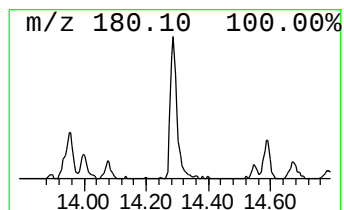
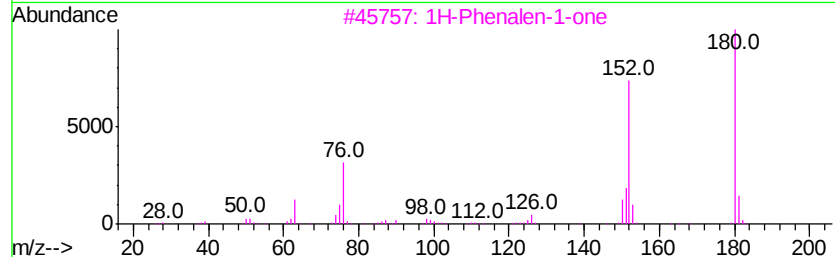
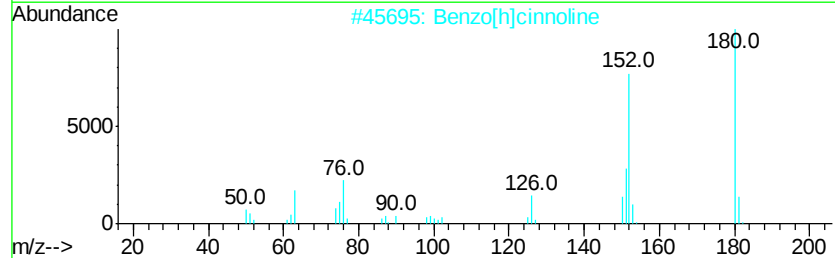
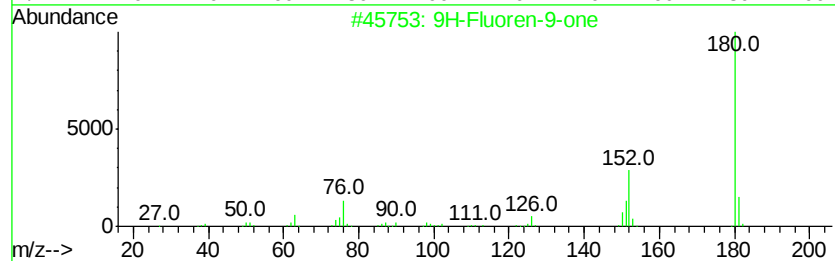
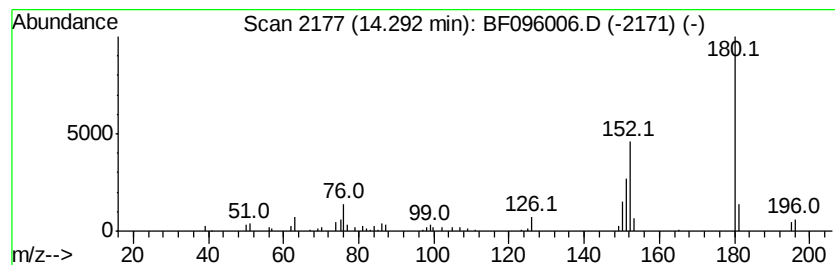
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.37 ng	111519	Phenanthrene-d10	14.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4		6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	53
5		1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50



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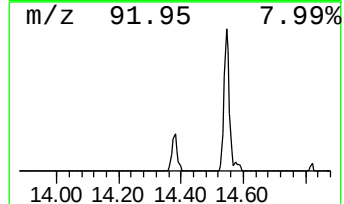
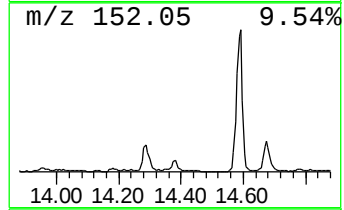
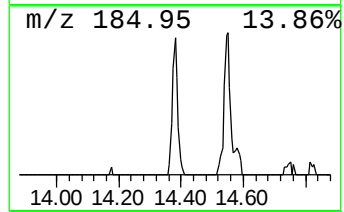
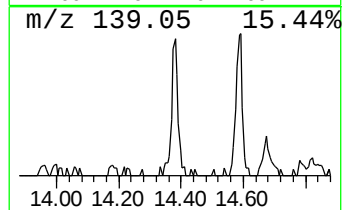
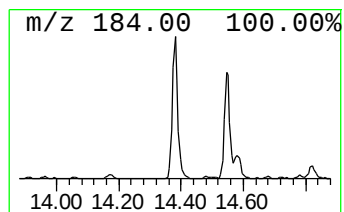
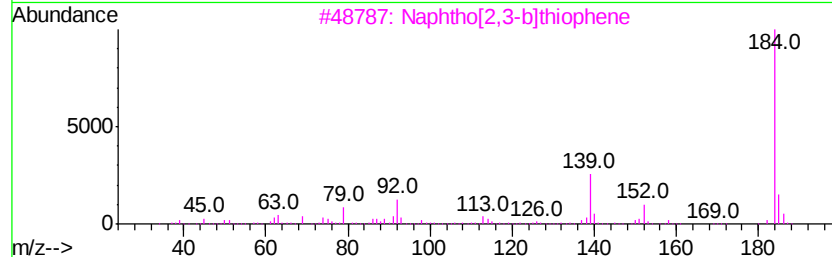
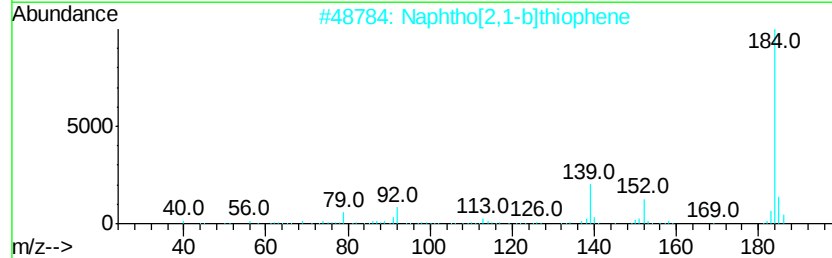
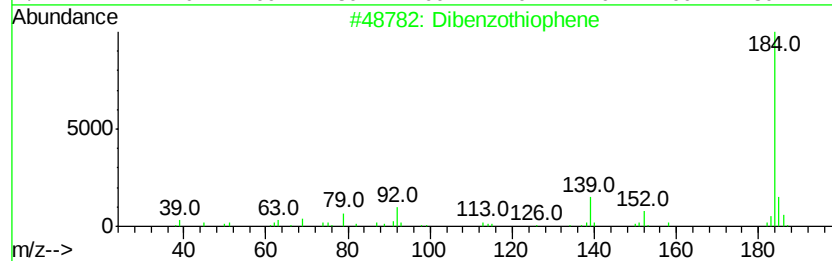
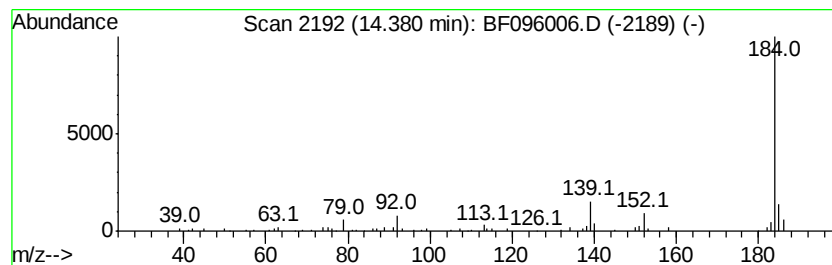
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	3.51 ng	116315	Phenanthrene-d10	14.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	96
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
Sample : I3683-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

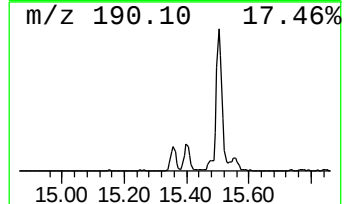
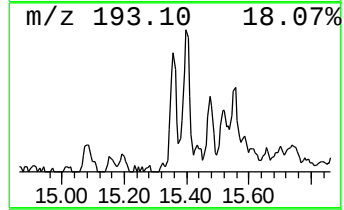
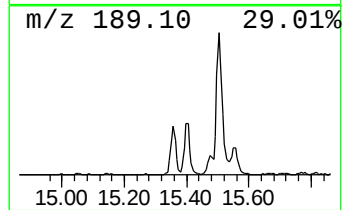
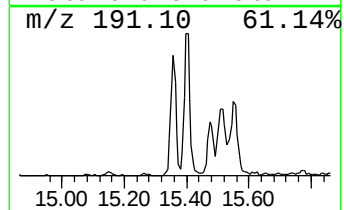
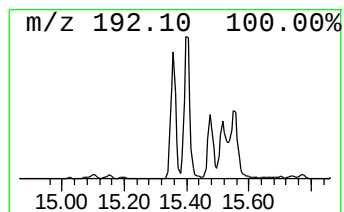
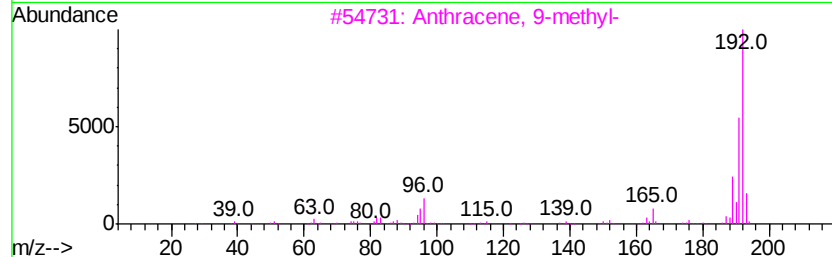
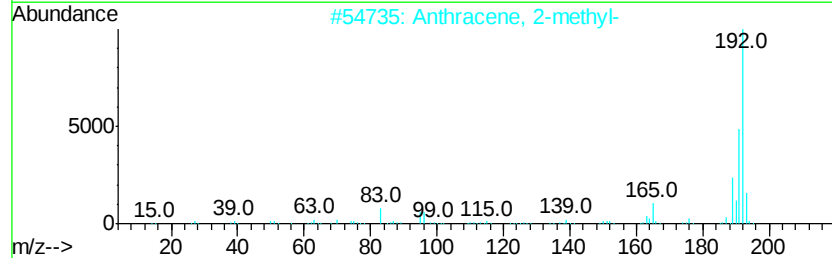
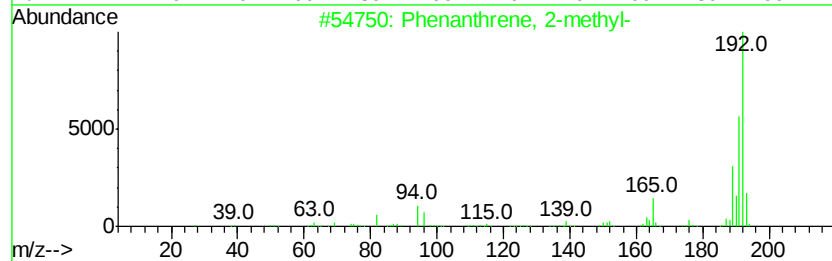
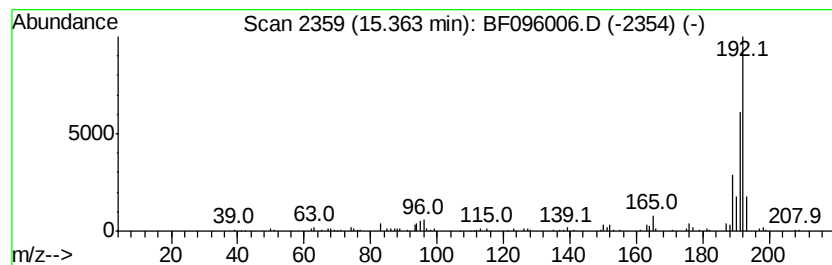
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	6.13 ng	202852	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
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Misc :
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Instrument :
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ClientSampleId :
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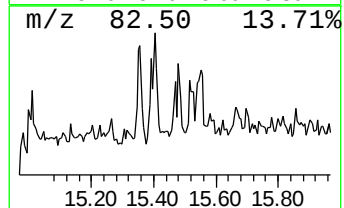
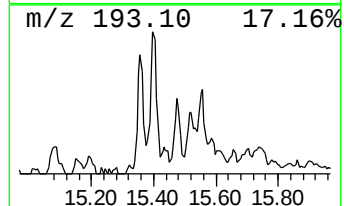
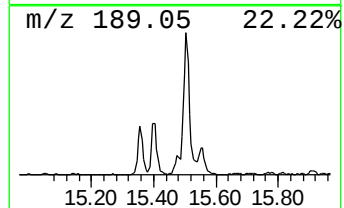
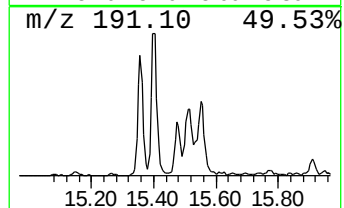
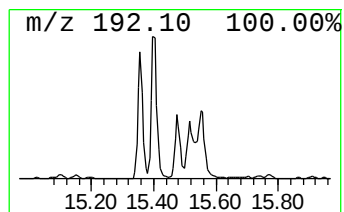
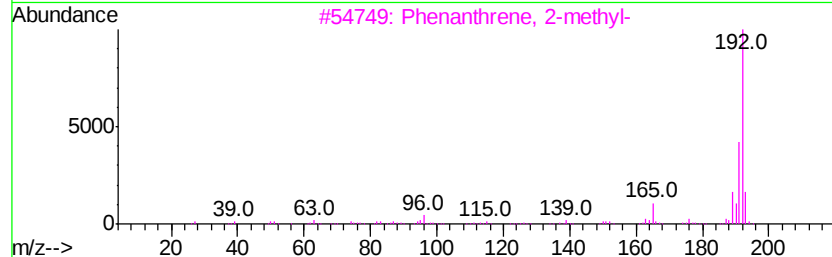
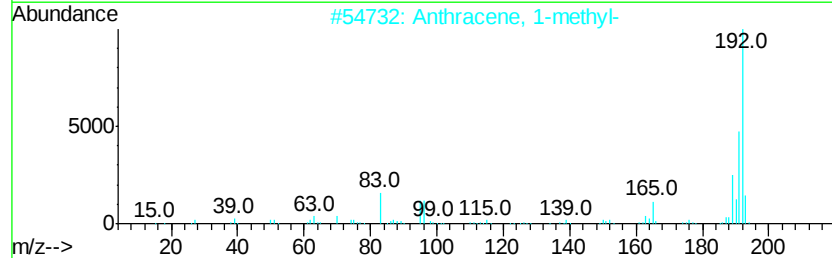
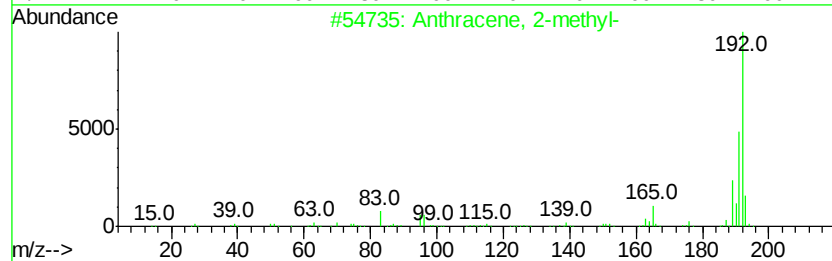
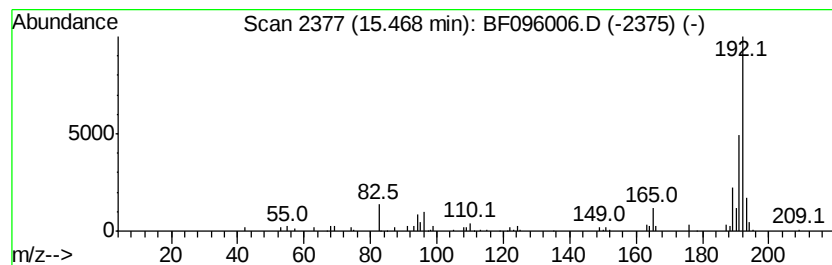
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	3.04 ng	100796	Phenanthrene-d10	14.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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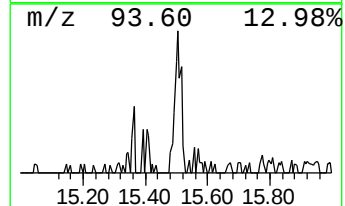
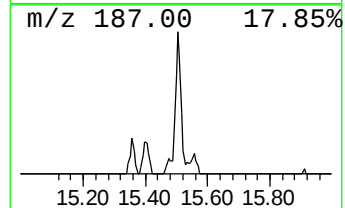
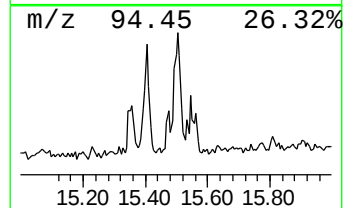
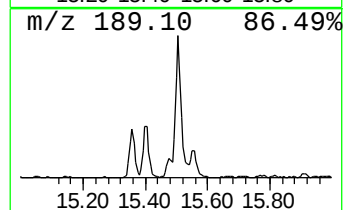
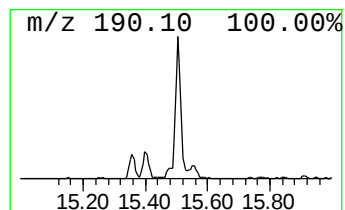
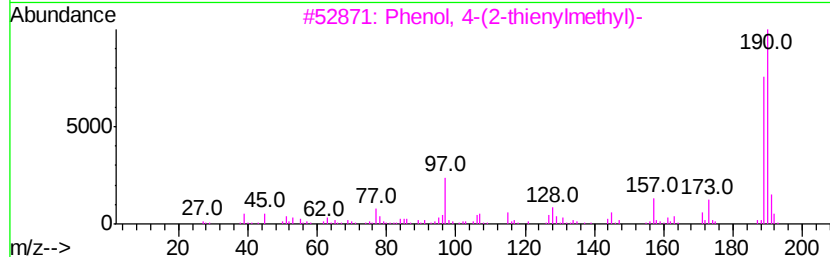
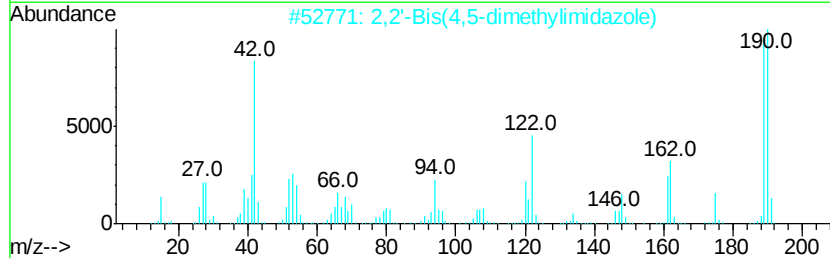
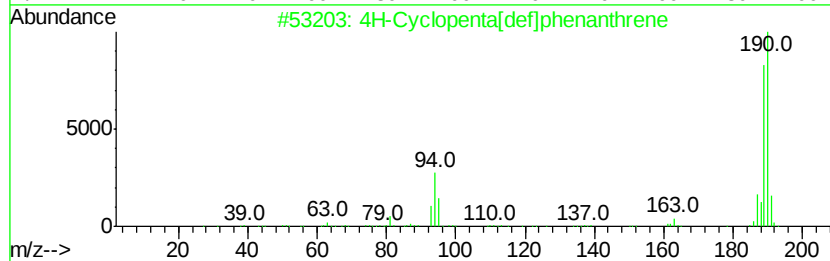
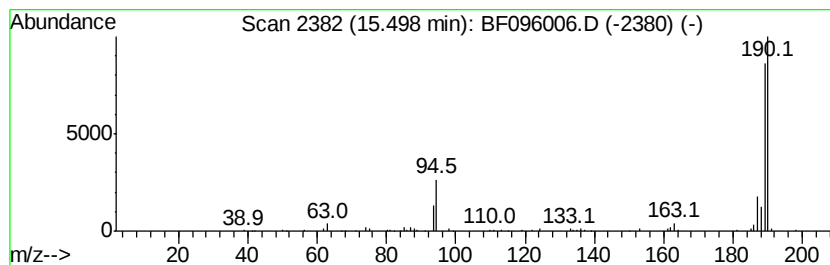
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	8.20 ng	271435	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	72
3		Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
4		1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	59
5		Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
Sample : I3683-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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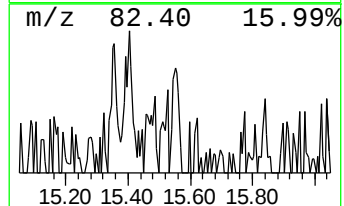
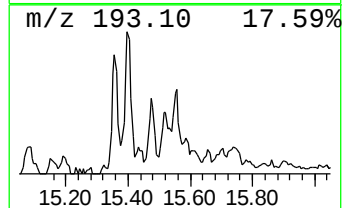
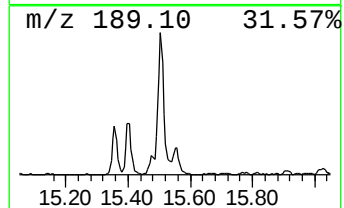
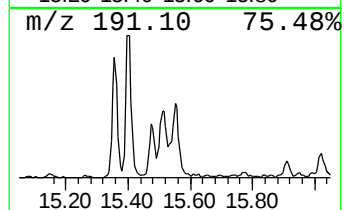
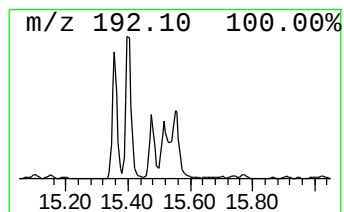
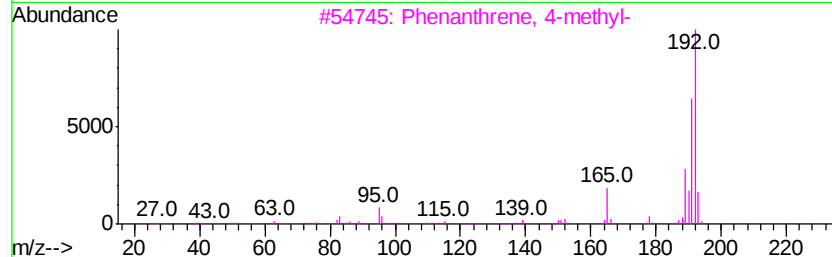
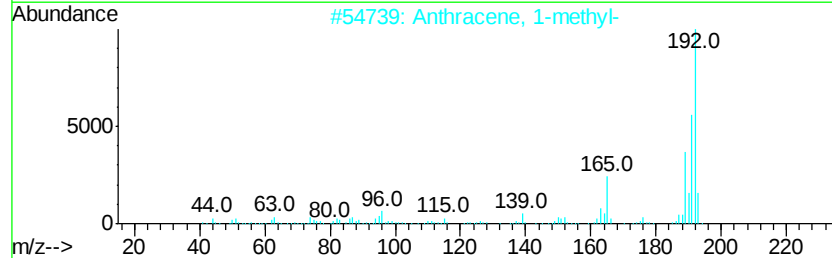
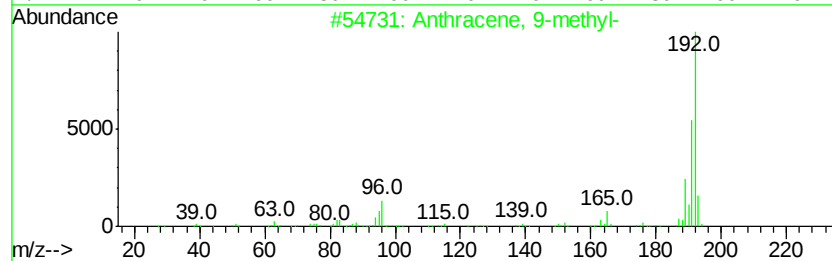
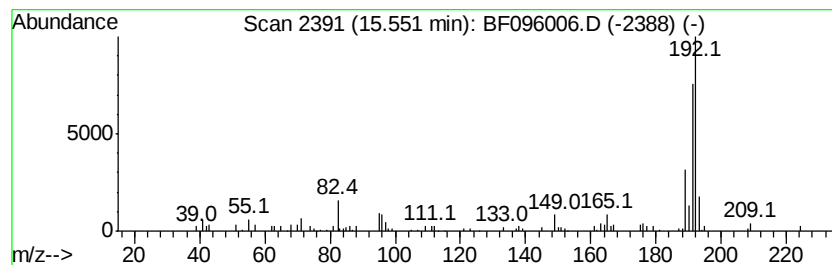
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	5.60 ng	185401	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CC-4-COMP

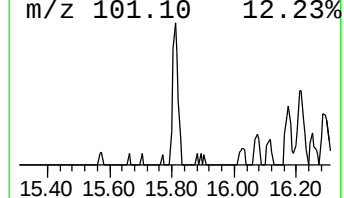
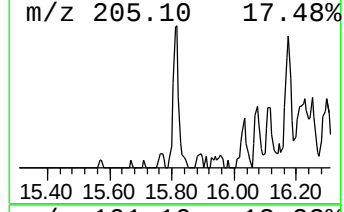
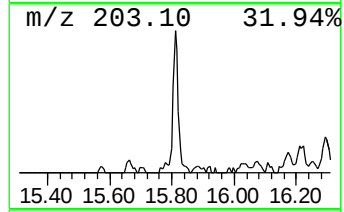
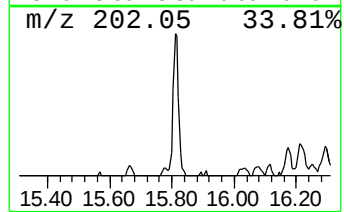
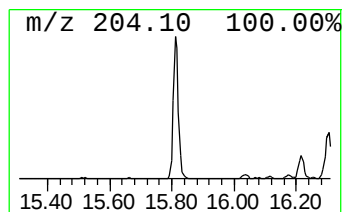
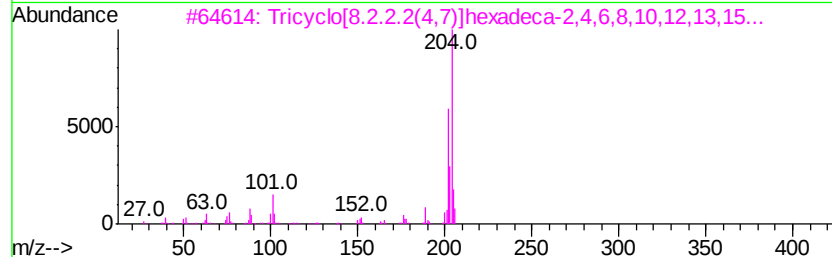
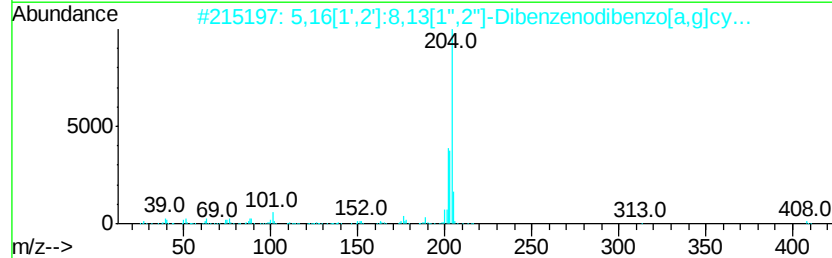
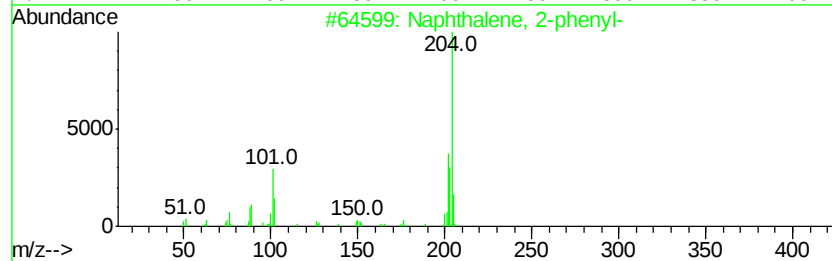
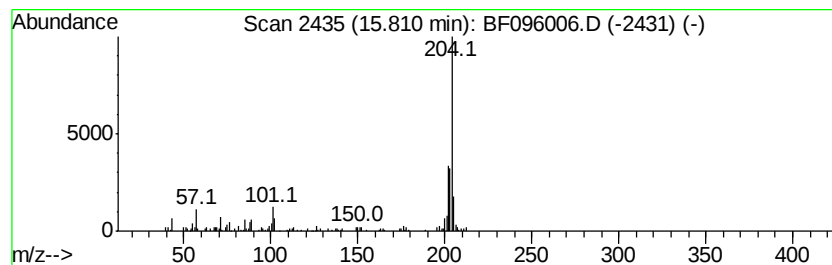
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	4.88 ng	161688	Phenanthrene-d10	14.54

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
CC-4-COMP

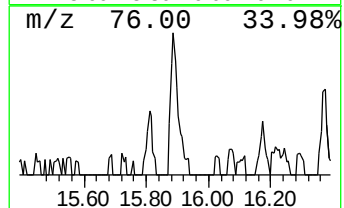
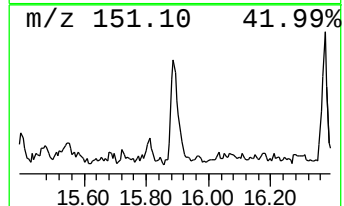
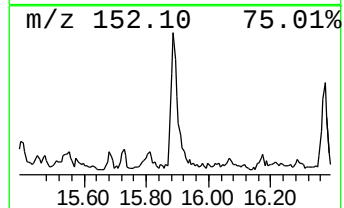
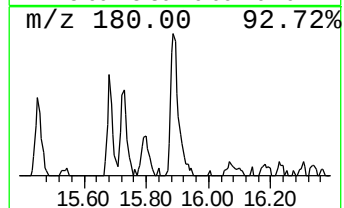
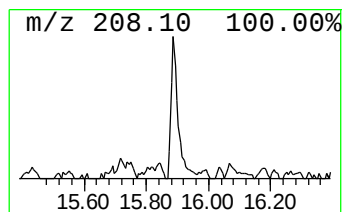
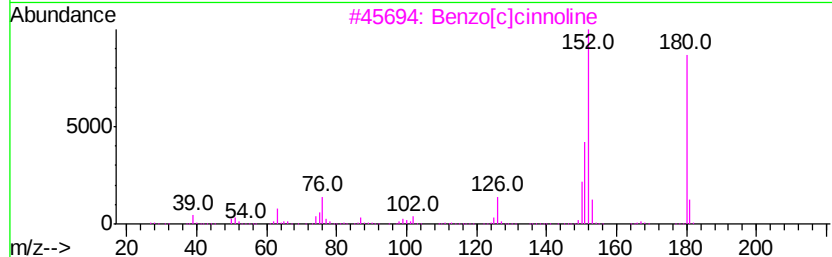
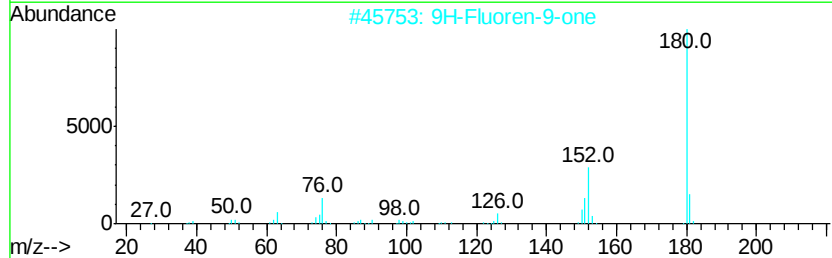
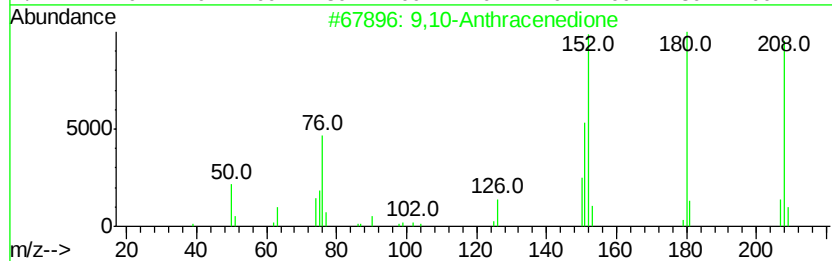
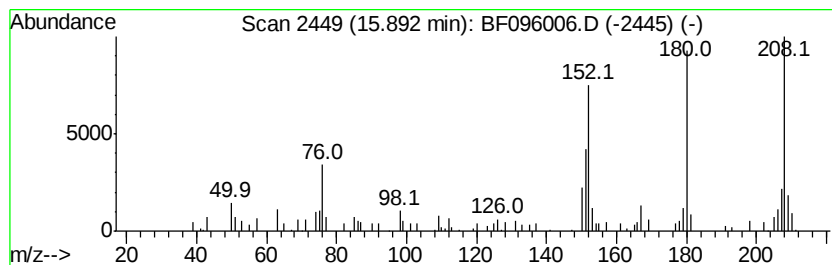
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	3.23 ng	106930	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
Sample : I3683-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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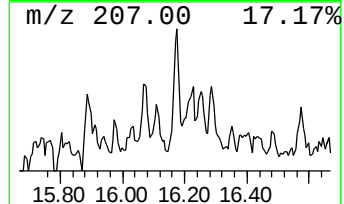
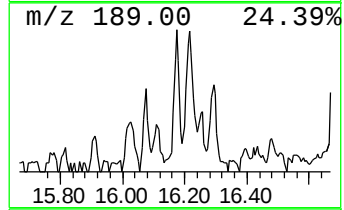
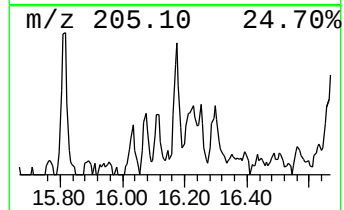
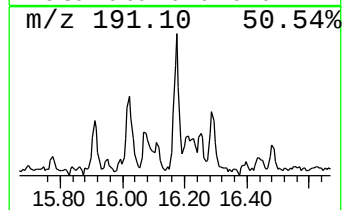
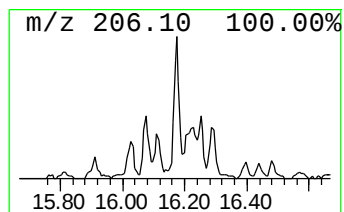
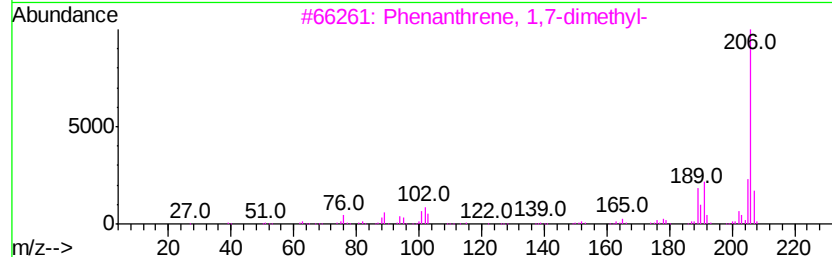
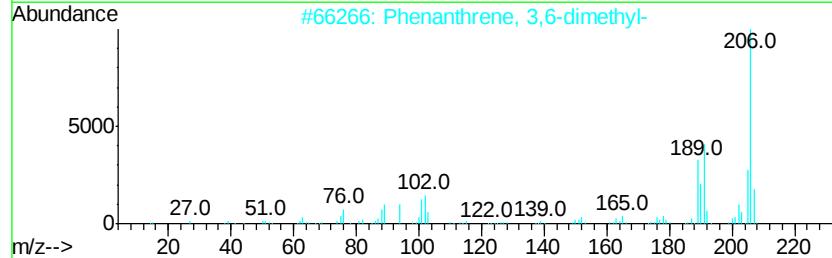
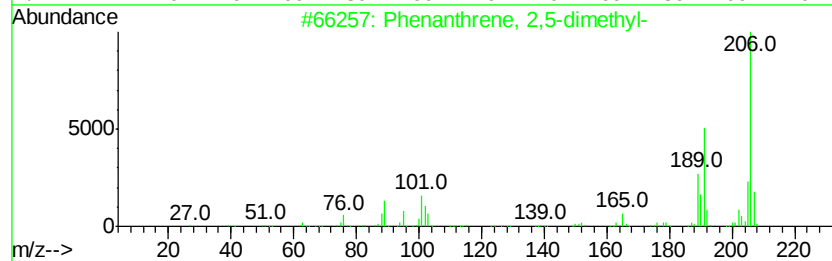
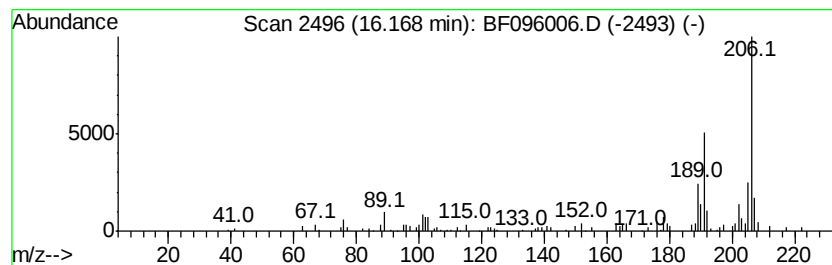
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.01 ng	99650	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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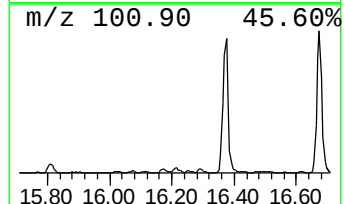
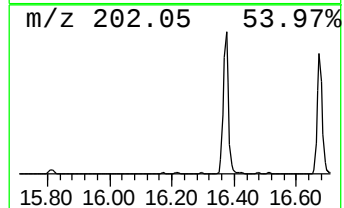
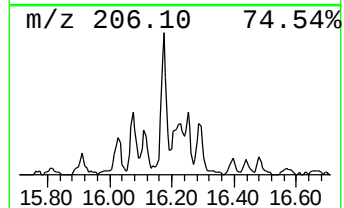
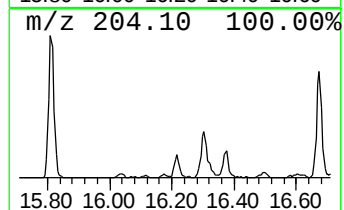
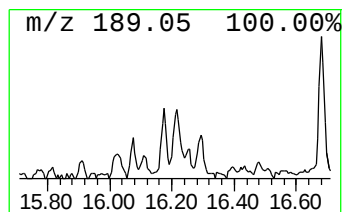
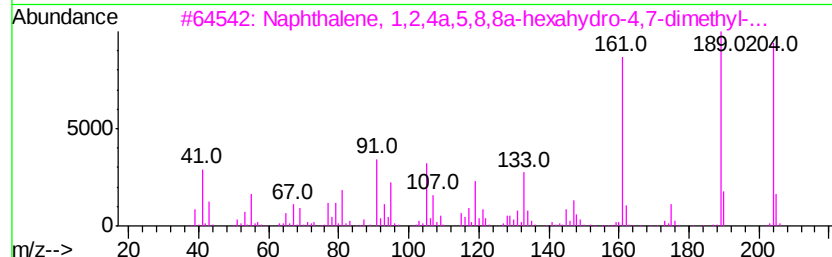
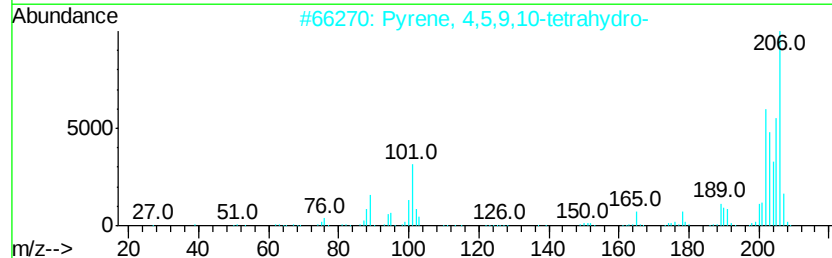
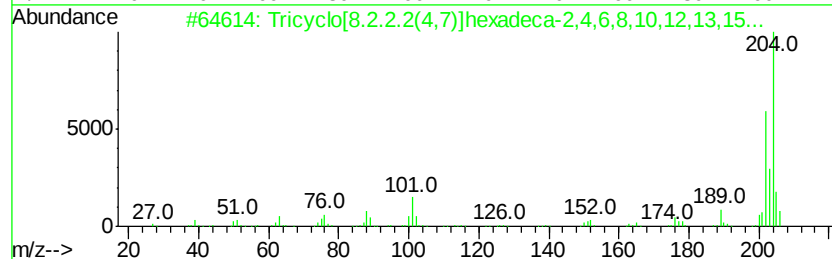
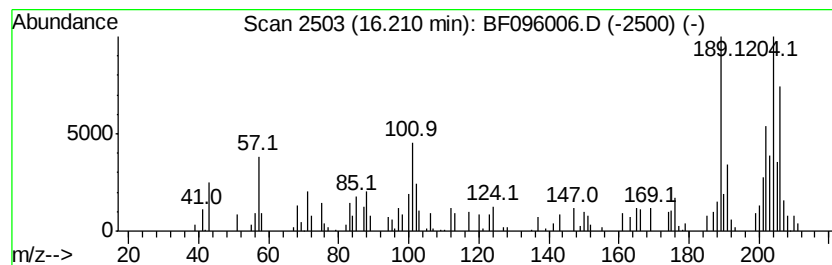
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown16.21 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	3.00 ng	99388	Phenanthrene-d10	14.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
3		Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	30
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25
5		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
Sample : I3683-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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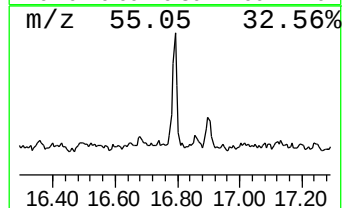
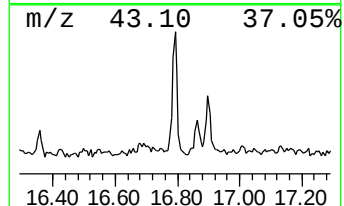
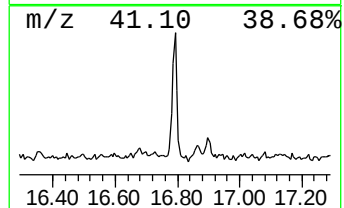
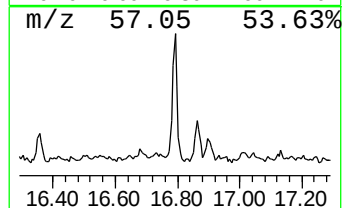
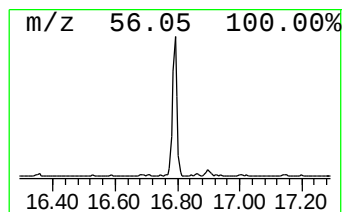
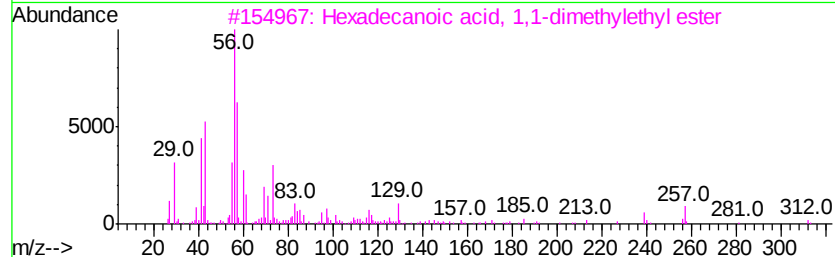
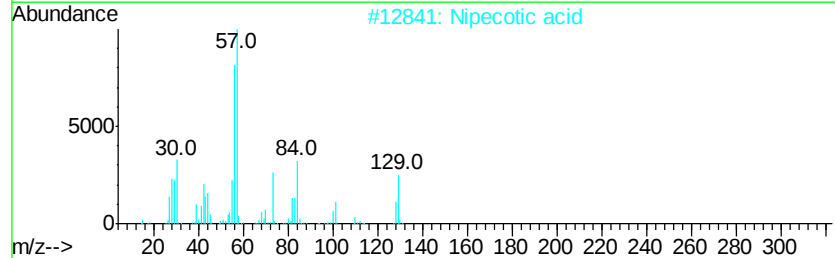
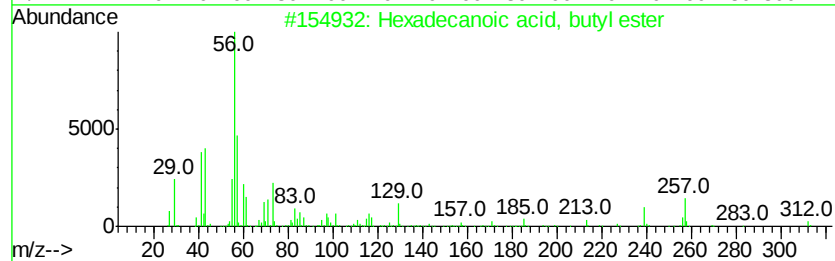
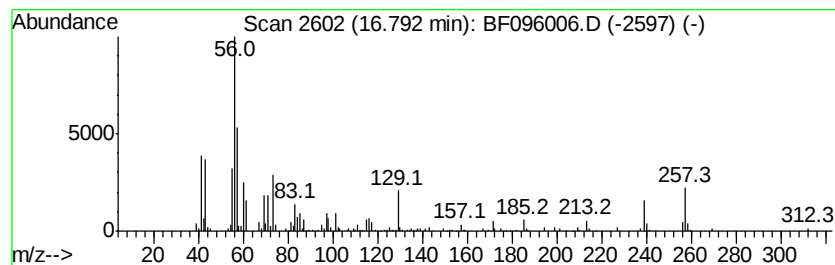
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Hexadecanoic acid, butyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	6.79 ng	308322	Chrysene-d12	18.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	55
2			Nipecotic acid	129	C6H11NO2	000498-95-3	50
3			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	38
4			Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	38
5			Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
Operator : SJ/MA
Sample : I3683-01 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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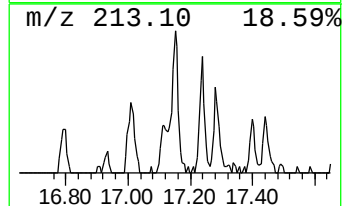
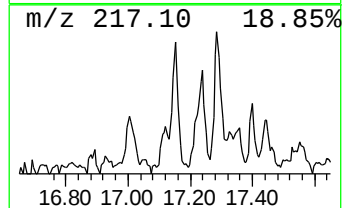
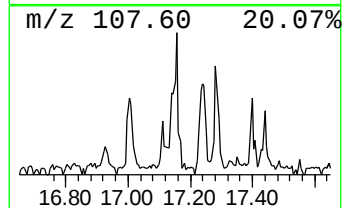
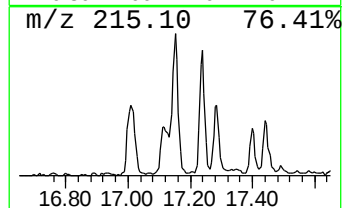
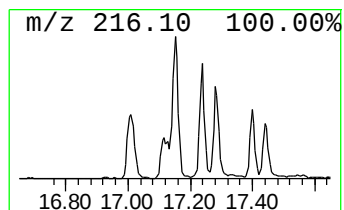
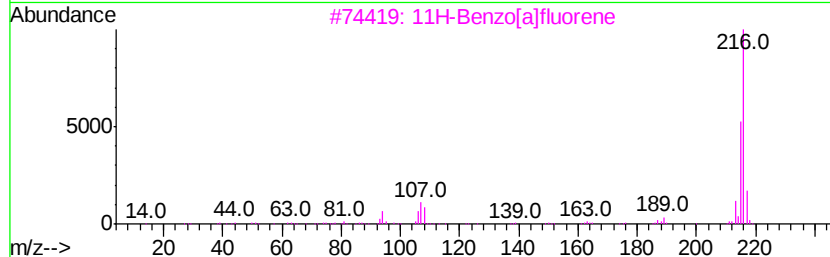
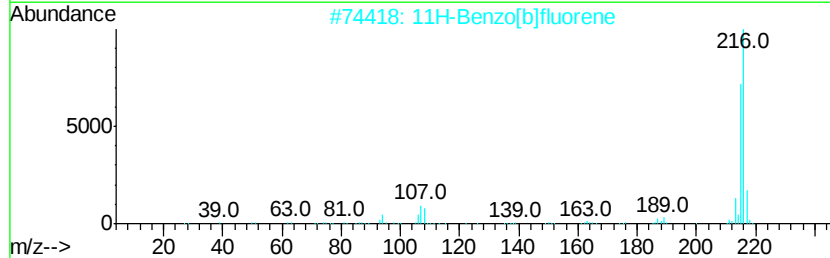
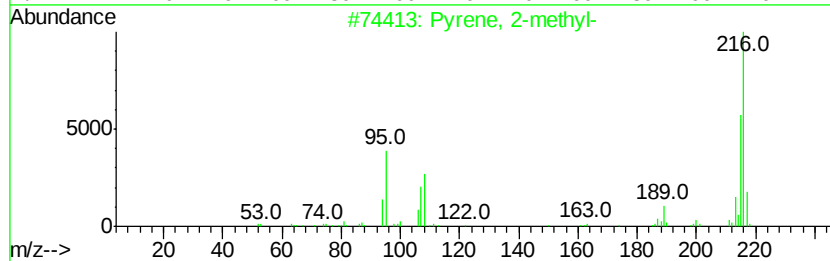
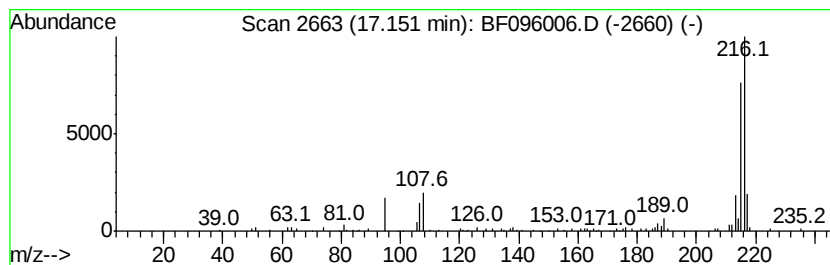
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	3.59 ng	163161	Chrysene-d12	18.27

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
Data File : BF096006.D
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Operator : SJ/MA
Sample : I3683-01 10X
Misc :
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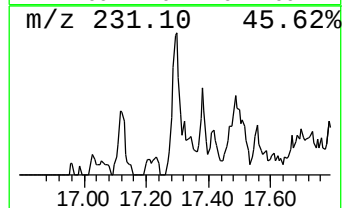
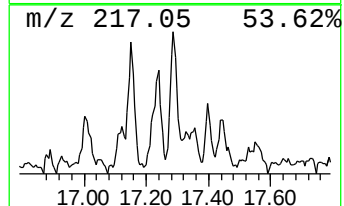
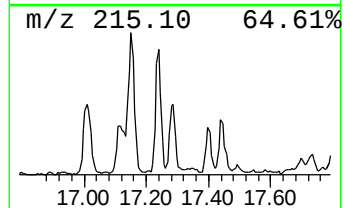
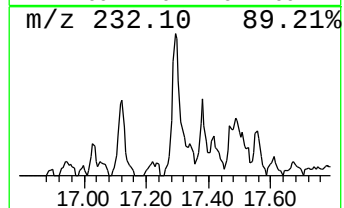
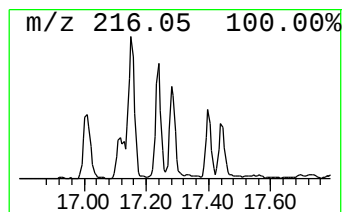
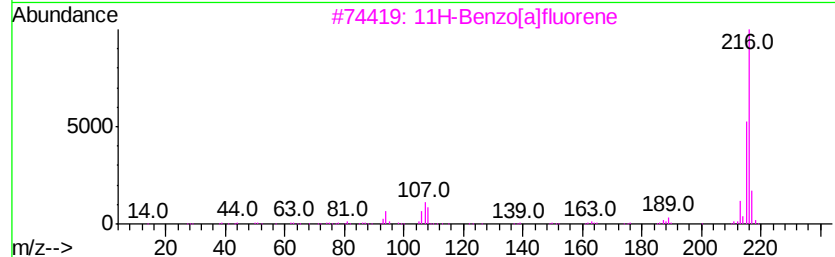
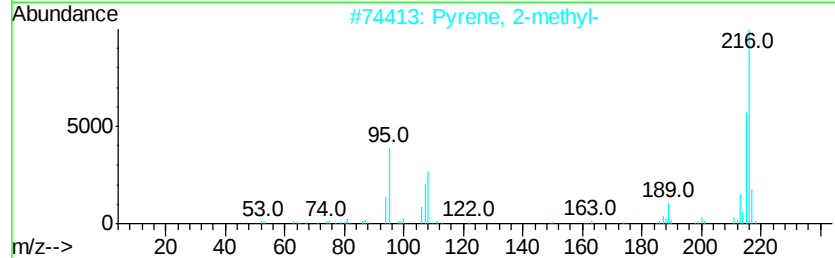
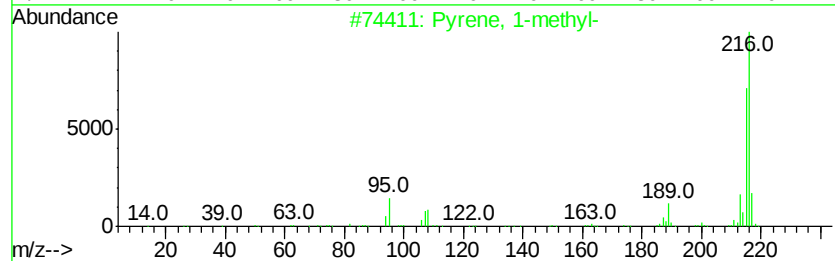
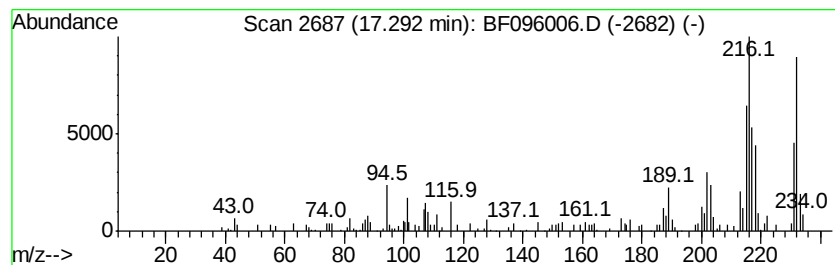
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.29	3.50 ng	159117	Chrysene-d12	18.27	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	49
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
Data File : BF096006.D
Acq On : 19 Jun 2017 15:07
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CC-4-COMP

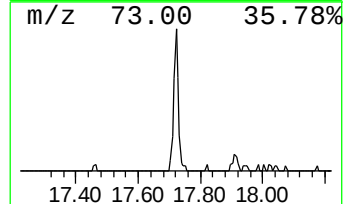
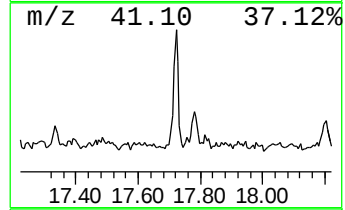
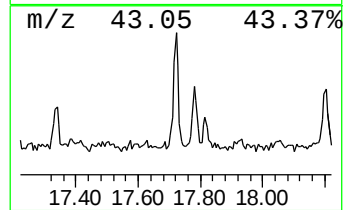
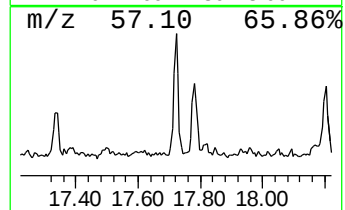
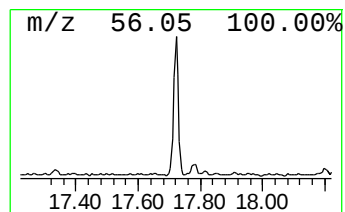
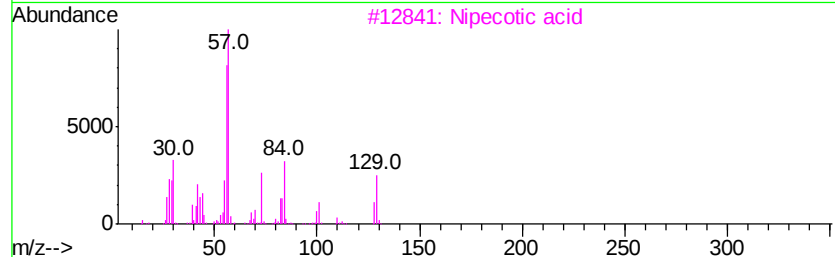
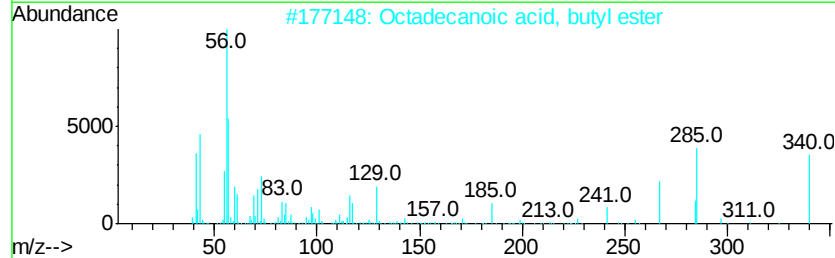
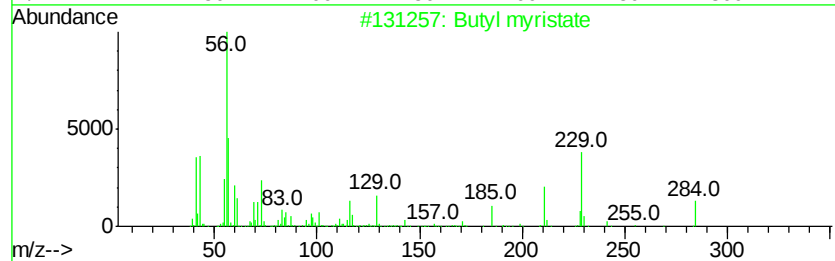
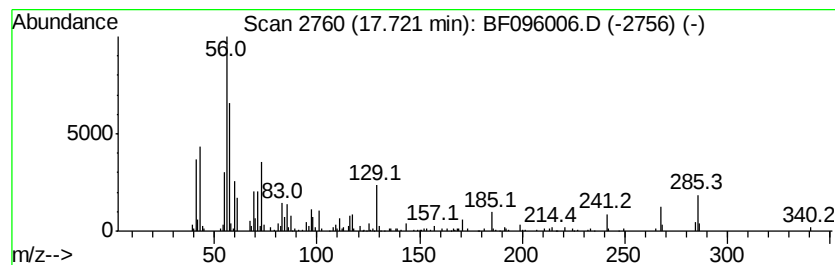
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Butyl myristate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	4.60 ng	209042	Chrysene-d12	18.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butyl myristate	284	C18H36O2	000110-36-1	64
2		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	56
3		Nipecotic acid	129	C6H11NO2	000498-95-3	50
4		Octadecanoic acid, 2-methylpropyl ester	340	C22H44O2	000646-13-9	43
5		1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
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Operator : SJ/MA
Sample : I3683-01 10X
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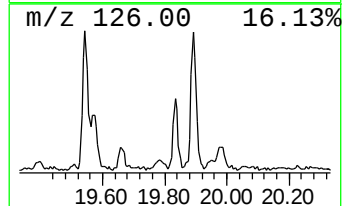
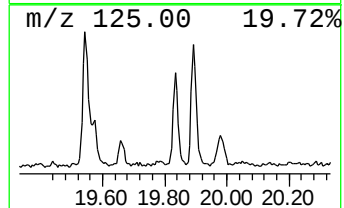
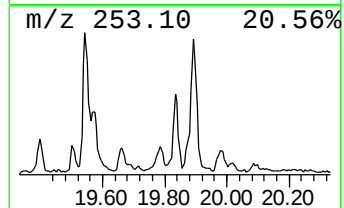
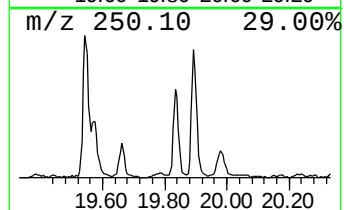
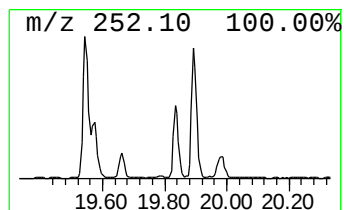
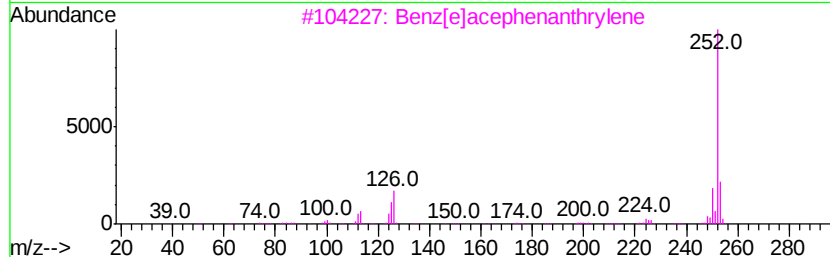
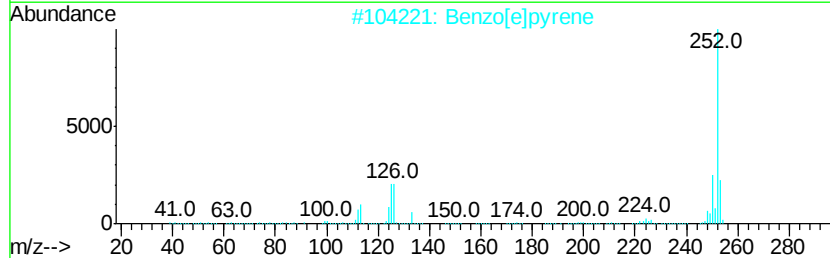
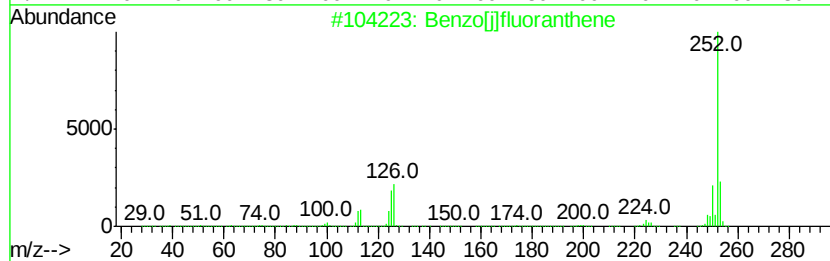
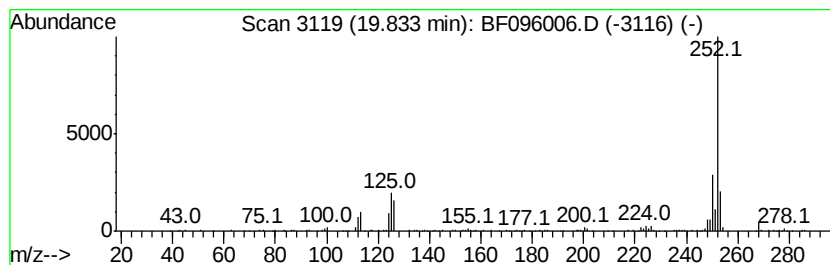
Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

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

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.83	8.25 ng	178480	Perylene-d12	19.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[i]fluoranthene	252	C20H12	000205-82-3	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061917\
 Data File : BF096006.D
 Acq On : 19 Jun 2017 15:07
 Operator : SJ/MA
 Sample : I3683-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.00	7.00	7.9 ng		202228	1	7.30	510196	20.0
Naphthalene, 1-me...	10.66	4.4 ng		157681	2	9.33	710157	20.0
9H-Fluoren-9-one	14.29	3.4 ng		111519	4	14.54	662183	20.0
Dibenzothiophene	14.38	3.5 ng		116315	4	14.54	662183	20.0
Phenanthrene, 2-m...	15.36	6.1 ng		202852	4	14.54	662183	20.0
Anthracene, 2-met...	15.47	3.0 ng		100796	4	14.54	662183	20.0
4H-Cyclopenta[def...	15.50	8.2 ng		271435	4	14.54	662183	20.0
Anthracene, 9-met...	15.55	5.6 ng		185401	4	14.54	662183	20.0
Naphthalene, 2-ph...	15.81	4.9 ng		161688	4	14.54	662183	20.0
9,10-Anthracenedione	15.89	3.2 ng		106930	4	14.54	662183	20.0
Phenanthrene, 2,5...	16.17	3.0 ng		99650	4	14.54	662183	20.0
unknown16.21	16.21	3.0 ng		99388	4	14.54	662183	20.0
Hexadecanoic acid...	16.79	6.8 ng		308322	5	18.27	908758	20.0
Pyrene, 2-methyl-	17.15	3.6 ng		163161	5	18.27	908758	20.0
Pyrene, 1-methyl-	17.29	3.5 ng		159117	5	18.27	908758	20.0
Butyl myristate	17.72	4.6 ng		209042	5	18.27	908758	20.0
Benzo[j]fluoranthene	19.83	8.3 ng		178480	6	19.94	432461	20.0