

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095574.D
 Acq On : 31 May 2017 20:40
 Operator : SJ/MA
 Sample : I3329-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

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	4.807	501	505	526	rBV2	68333	191681	3.77%	0.307%
2	5.472	614	618	648	rBV	899375	2009230	39.47%	3.220%
3	7.101	891	895	909	rBV	1163407	1937553	38.07%	3.105%
4	7.213	909	914	923	rVB	1482172	2305980	45.30%	3.695%
5	7.554	968	972	982	rBV	471821	629266	12.36%	1.008%
6	7.789	1007	1012	1031	rVB	1247419	1669535	32.80%	2.675%
7	8.466	1122	1127	1143	rBV	758877	1154549	22.68%	1.850%
8	8.583	1143	1147	1158	rVB2	58132	96394	1.89%	0.154%
9	9.583	1312	1317	1320	rBV	709663	853191	16.76%	1.367%
10	9.619	1320	1323	1328	rVV	254940	389387	7.65%	0.624%
11	9.666	1328	1331	1339	rVB	66485	101341	1.99%	0.162%
12	10.748	1511	1515	1523	rBV	150031	195473	3.84%	0.313%
13	10.901	1534	1541	1548	rBV	122142	172610	3.39%	0.277%
14	11.360	1613	1619	1632	rVB	1829730	2254498	44.29%	3.613%
15	11.771	1684	1689	1697	rBV2	52973	116167	2.28%	0.186%
16	11.883	1704	1708	1712	rBV	91582	128931	2.53%	0.207%
17	12.048	1732	1736	1743	rBV	239233	384353	7.55%	0.616%
18	12.407	1792	1797	1801	rBV2	753874	925959	18.19%	1.484%
19	12.460	1801	1806	1813	rVB	447936	619600	12.17%	0.993%
20	12.754	1851	1856	1865	rVV	296888	445163	8.75%	0.713%
21	13.301	1944	1949	1959	rVB	406819	545342	10.71%	0.874%
22	13.577	1992	1996	2000	rBV	135298	175547	3.45%	0.281%
23	13.707	2013	2018	2027	rBV	786804	1162426	22.84%	1.863%
24	14.207	2096	2103	2108	rBV2	89433	162960	3.20%	0.261%
25	14.430	2137	2141	2145	rBV3	80277	130775	2.57%	0.210%
26	14.530	2154	2158	2165	rVV	279969	376543	7.40%	0.603%
27	14.607	2165	2171	2173	rVV2	84921	148590	2.92%	0.238%
28	14.636	2173	2176	2182	rVB	289395	374657	7.36%	0.600%
29	14.812	2201	2206	2208	rBV	625504	824984	16.21%	1.322%
30	14.865	2208	2215	2218	rVV	3212057	5089940	100.00%	8.157%
31	14.936	2218	2227	2233	rVB	991118	1325423	26.04%	2.124%
32	15.030	2237	2243	2247	rBV2	68904	156688	3.08%	0.251%
33	15.183	2265	2269	2272	rBV	69348	98825	1.94%	0.158%
34	15.224	2272	2276	2281	rBV	425669	503902	9.90%	0.807%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.301	2286	2289	2292	rVV	94447	102903	2.02%	0.165%
36	15.389	2300	2304	2308	rVB3	61613	93940	1.85%	0.151%
37	15.471	2314	2318	2324	rVB3	62381	98014	1.93%	0.157%
38	15.601	2335	2340	2344	rVV	520528	602110	11.83%	0.965%
39	15.642	2344	2347	2352	rVV	614828	716106	14.07%	1.148%
40	15.712	2356	2359	2362	rVV	219638	251366	4.94%	0.403%
41	15.754	2362	2366	2370	rVV2	544546	782726	15.38%	1.254%
42	15.795	2370	2373	2383	rVB	407574	547521	10.76%	0.877%
43	16.048	2407	2416	2422	rVV	402338	544738	10.70%	0.873%
44	16.106	2422	2426	2431	rVV	201214	292901	5.75%	0.469%
45	16.253	2447	2451	2456	rBV2	97177	151526	2.98%	0.243%
46	16.306	2456	2460	2464	rVV	122044	173660	3.41%	0.278%
47	16.406	2473	2477	2480	rBV	257756	315404	6.20%	0.505%
48	16.448	2480	2484	2488	rVV2	131494	229588	4.51%	0.368%
49	16.530	2493	2498	2504	rBV2	265272	367138	7.21%	0.588%
50	16.624	2504	2514	2517	rBV	3170152	4532093	89.04%	7.263%
51	16.653	2517	2519	2524	rVB2	105914	124544	2.45%	0.200%
52	16.712	2524	2529	2532	rBV3	121457	159589	3.14%	0.256%
53	16.806	2542	2545	2551	rBV2	144314	211119	4.15%	0.338%
54	16.924	2556	2565	2568	rBV2	2844592	4315262	84.78%	6.915%
55	17.000	2572	2578	2581	rBV2	168295	233522	4.59%	0.374%
56	17.101	2592	2595	2599	rBV	229069	242452	4.76%	0.389%
57	17.153	2599	2604	2611	rVB2	1319614	1649238	32.40%	2.643%
58	17.236	2615	2618	2623	rVB2	134901	195117	3.83%	0.313%
59	17.283	2623	2626	2630	rVB	77693	92741	1.82%	0.149%
60	17.348	2631	2637	2639	rBV2	181390	307167	6.03%	0.492%
61	17.377	2639	2642	2646	rVB2	260614	331917	6.52%	0.532%
62	17.465	2654	2657	2661	rVB	155974	166638	3.27%	0.267%
63	17.512	2661	2665	2671	rBV3	360745	585904	11.51%	0.939%
64	17.630	2682	2685	2688	rVB	135338	142748	2.80%	0.229%
65	17.671	2688	2692	2696	rBV	104750	130933	2.57%	0.210%
66	18.065	2755	2759	2763	rVB	262731	307368	6.04%	0.493%
67	18.183	2775	2779	2781	rBV	167779	202398	3.98%	0.324%
68	18.206	2781	2783	2787	rVV2	299933	331505	6.51%	0.531%
69	18.242	2787	2789	2792	rVV	177169	177282	3.48%	0.284%
70	18.277	2792	2795	2799	rVB2	162809	191653	3.77%	0.307%
71	18.336	2802	2805	2813	rBV2	250969	302049	5.93%	0.484%

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72	18.400	2813	2816	2822	rBV2	136299	181318	3.56%	0.291%
73	18.500	2827	2833	2837	rBV2	1463223	2311550	45.41%	3.704%
74	18.542	2837	2840	2848	rVV	1384545	1576946	30.98%	2.527%
75	18.636	2852	2856	2859	rVB	175612	205088	4.03%	0.329%
76	18.783	2878	2881	2885	rVB	181903	186744	3.67%	0.299%
77	18.824	2885	2888	2894	rVB	154395	204928	4.03%	0.328%
78	19.012	2914	2920	2923	rVV	298786	361385	7.10%	0.579%
79	19.053	2924	2927	2930	rVB	137527	161042	3.16%	0.258%
80	19.124	2932	2939	2942	rBV5	107122	212983	4.18%	0.341%
81	19.165	2942	2946	2949	rBV3	92012	127761	2.51%	0.205%
82	19.436	2989	2992	2999	rVB3	97683	172036	3.38%	0.276%
83	19.618	3019	3023	3028	rBV	179513	246153	4.84%	0.394%
84	19.724	3038	3041	3045	rVB2	76430	92913	1.83%	0.149%
85	19.777	3045	3050	3053	rBV	1272963	1918928	37.70%	3.075%
86	19.800	3053	3054	3062	rVV2	707284	663942	13.04%	1.064%
87	19.883	3065	3068	3072	rVB	235452	245084	4.82%	0.393%
88	20.065	3095	3099	3102	rBV	758593	846681	16.63%	1.357%
89	20.124	3105	3109	3114	rVB	1162899	1243815	24.44%	1.993%
90	20.177	3115	3118	3121	rBV	460898	510275	10.03%	0.818%
91	20.206	3121	3123	3127	rVB	251312	251825	4.95%	0.404%
92	21.177	3285	3288	3294	rVB3	66561	92690	1.82%	0.149%
93	21.259	3298	3302	3305	rVV2	82761	118340	2.32%	0.190%
94	21.424	3324	3330	3336	rVB	488811	857891	16.85%	1.375%
95	21.559	3349	3353	3358	rBV	101808	174953	3.44%	0.280%
96	21.612	3358	3362	3369	rVB2	94395	169992	3.34%	0.272%
97	21.783	3385	3391	3397	rVB	374528	695053	13.66%	1.114%
98	21.994	3423	3427	3435	rVB	87075	164425	3.23%	0.263%
99	23.600	3688	3700	3713	rBV3	94754	362916	7.13%	0.582%
100	23.771	3722	3729	3736	rBV3	57684	185425	3.64%	0.297%

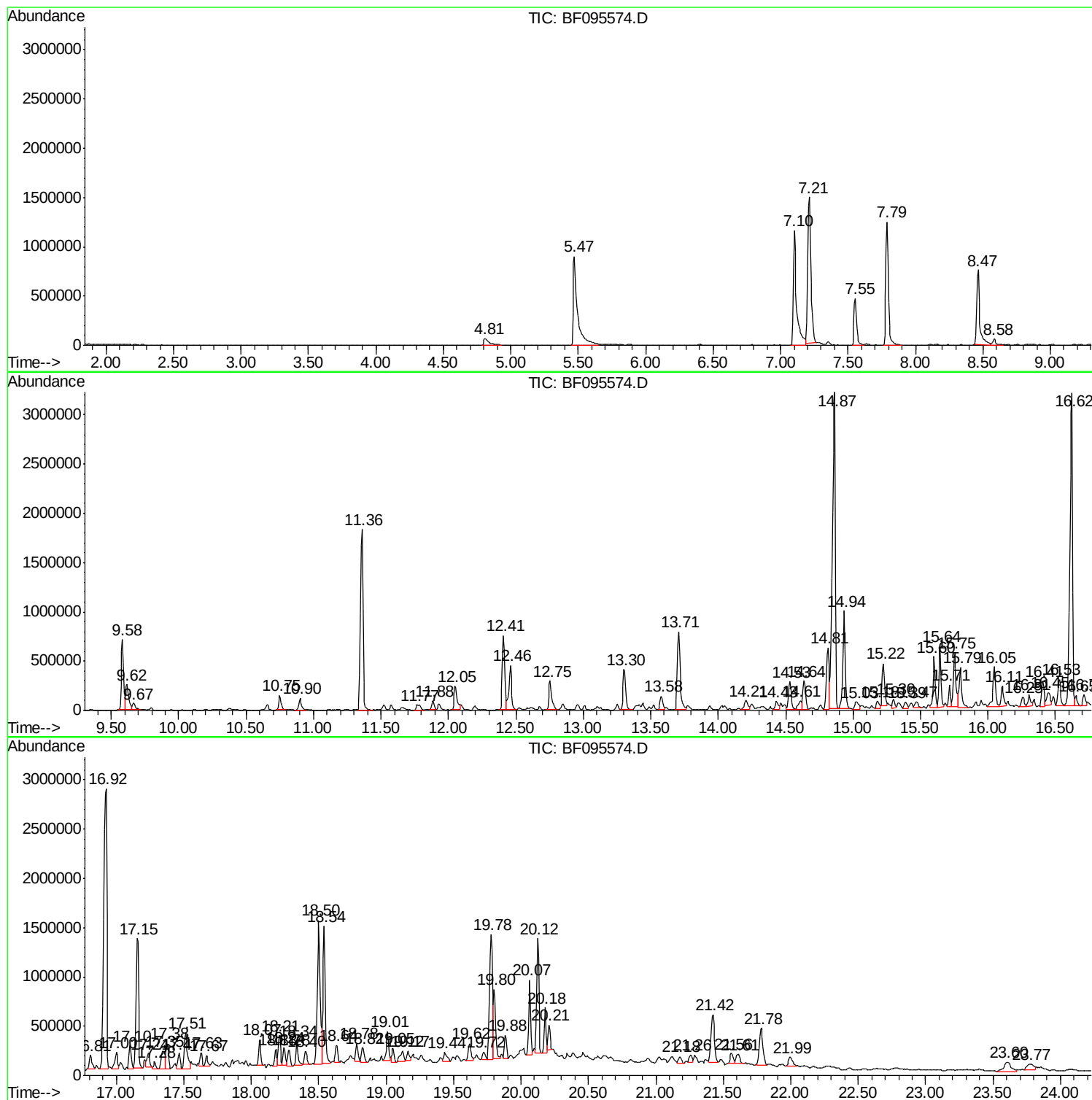
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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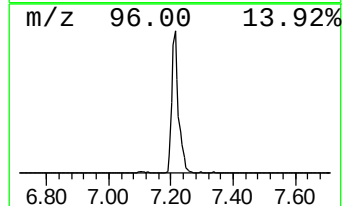
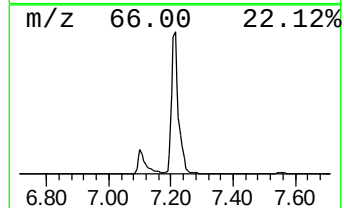
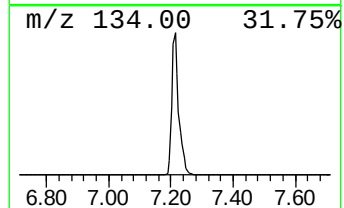
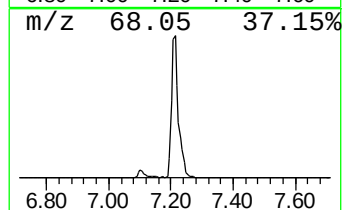
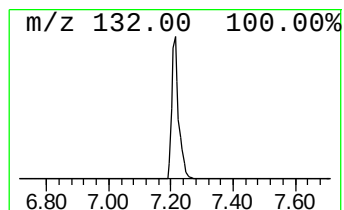
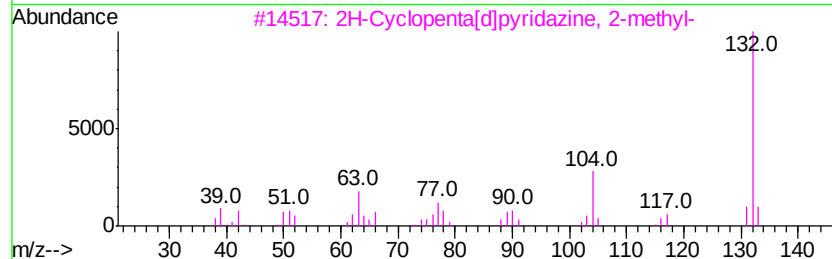
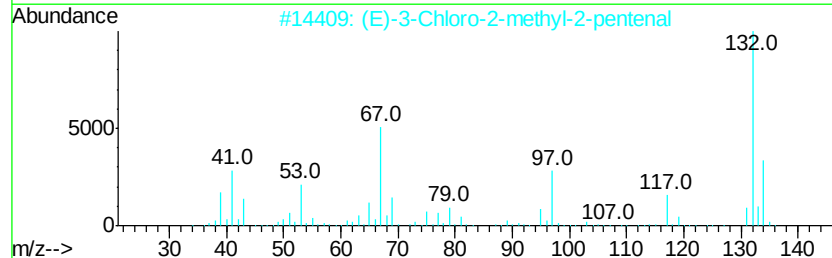
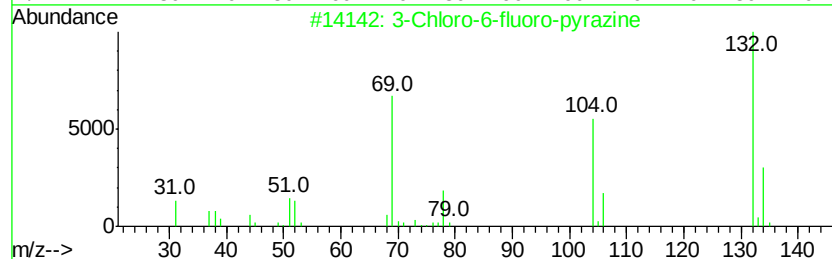
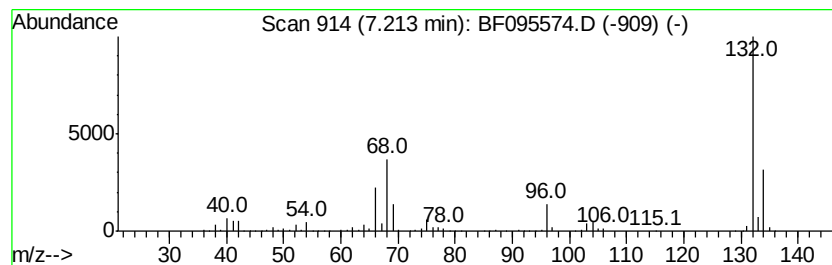
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.21 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	73.29 ng	2305980	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		2H-Cyclopentaf[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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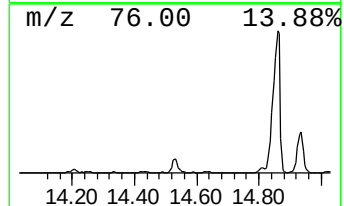
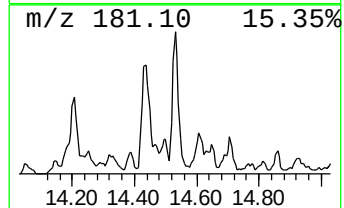
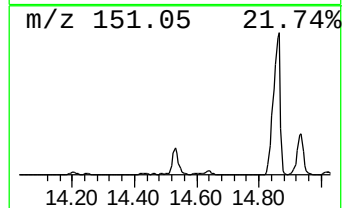
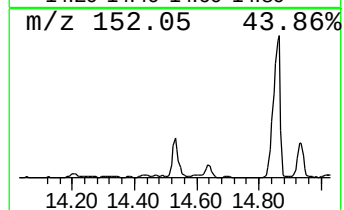
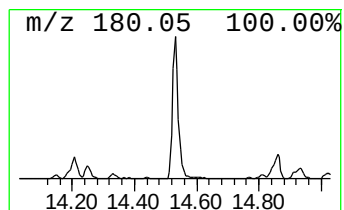
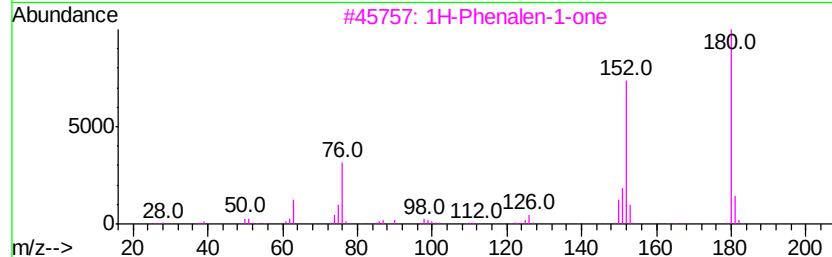
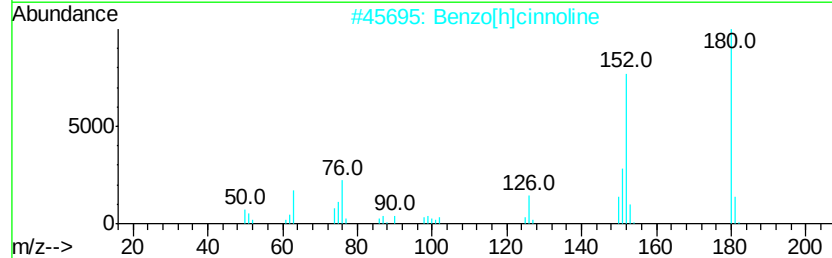
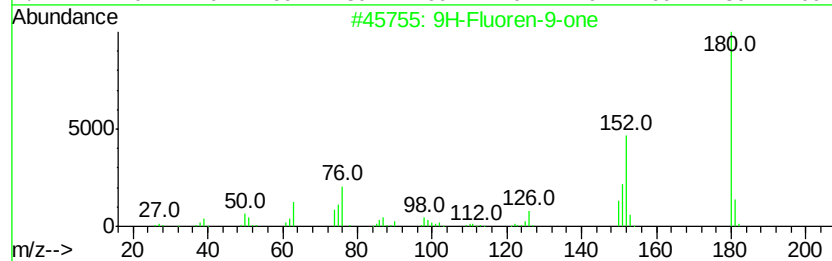
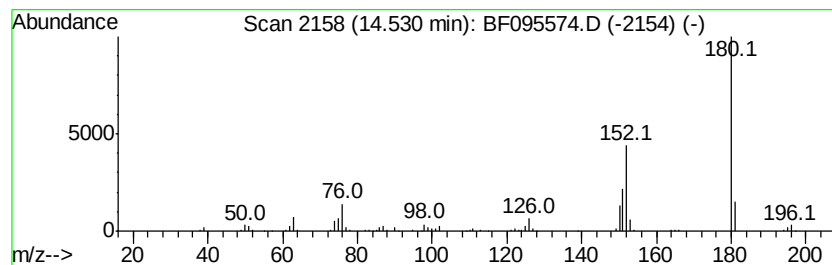
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	9.13 ng	376543	Phenanthrene-d10	14.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9H-Fluoren-9-one	180 C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180 C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180 C13H8O	000548-39-0	64
4	2-Benzothiophen-4(5H)-one, 6,7-d...	180 C10H12OS	1000338-11-9	50
5	1,1'-Biphenyl, 4-ethenyl-	180 C14H12	002350-89-2	42



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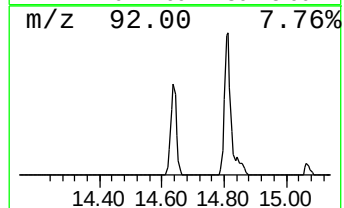
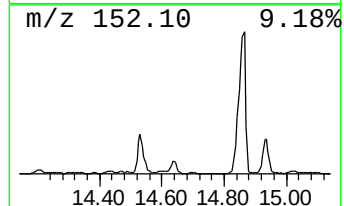
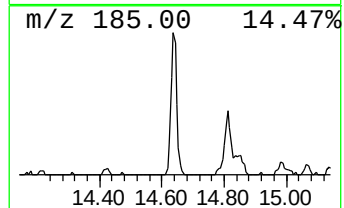
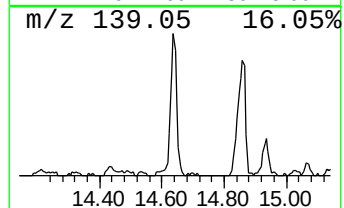
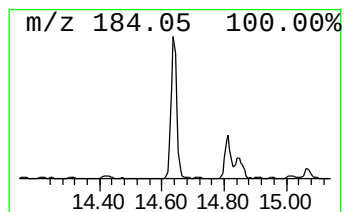
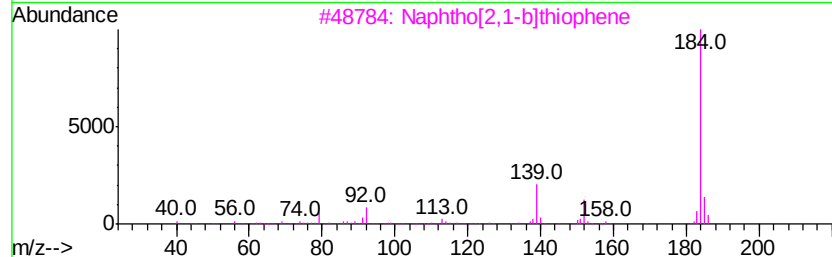
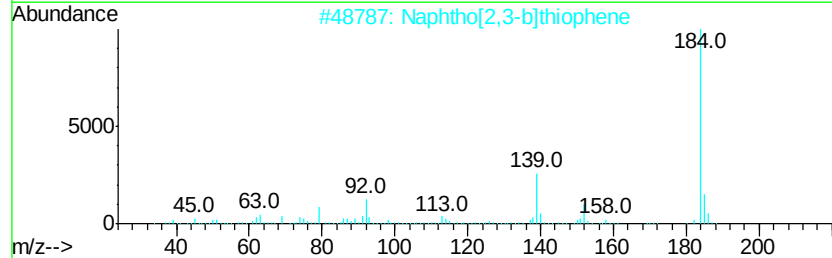
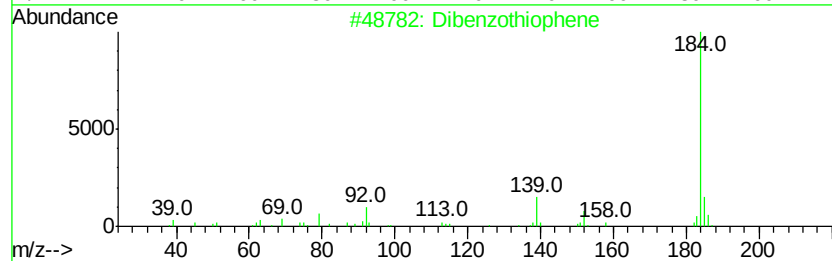
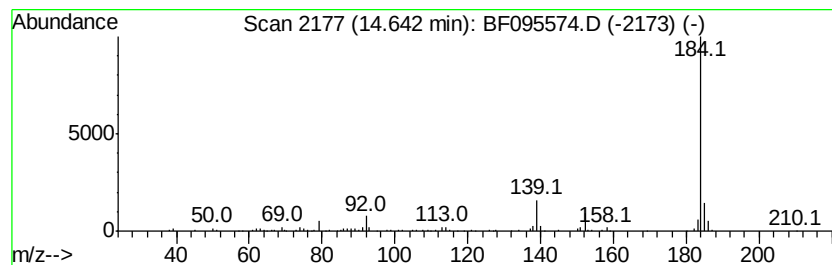
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.64	9.08 ng	374657	Phenanthrene-d10		14.81
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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Acq On : 31 May 2017 20:40
Operator : SJ/MA
Sample : I3329-08
Misc :
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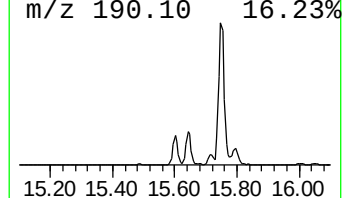
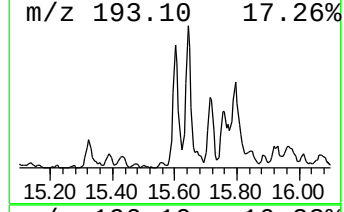
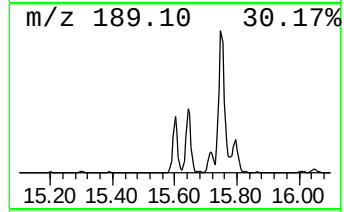
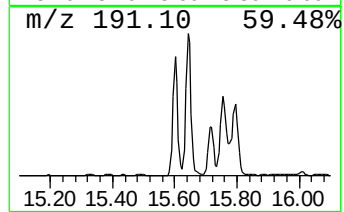
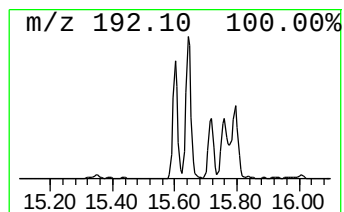
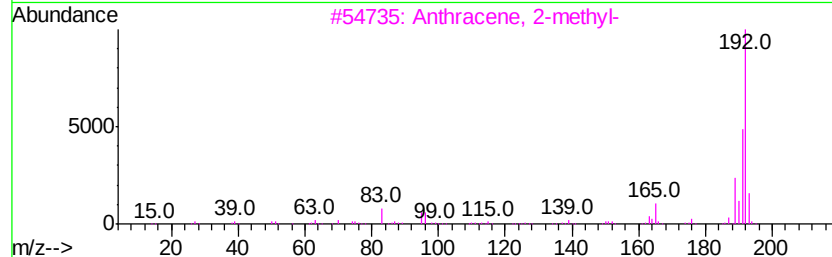
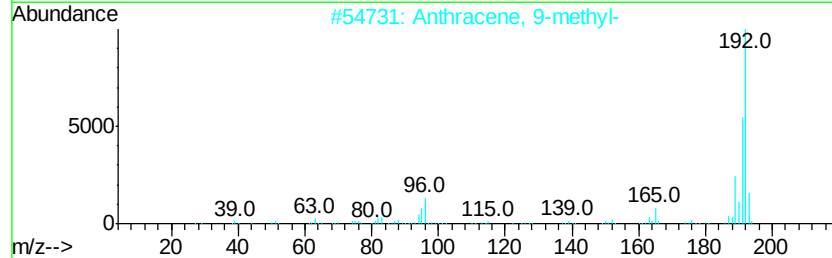
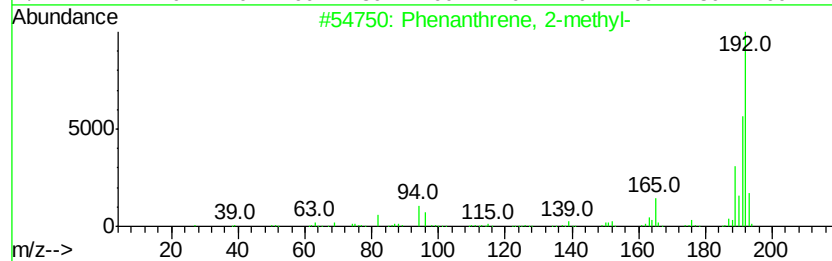
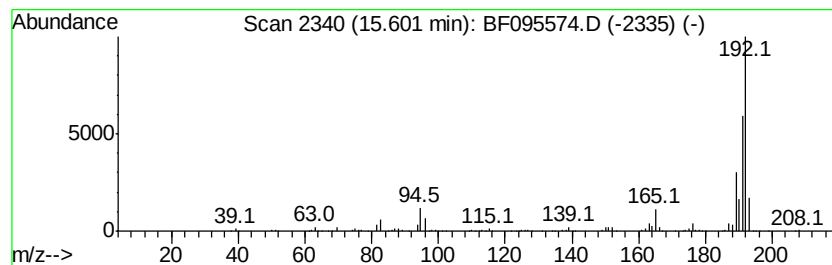
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.60	14.60 ng	602110	Phenanthrene-d10	14.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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ClientSampleId :
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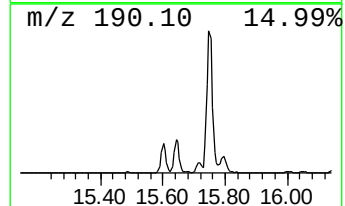
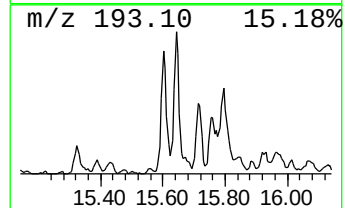
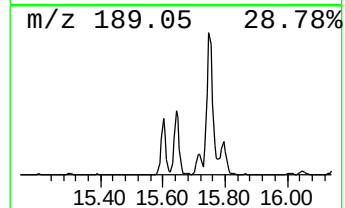
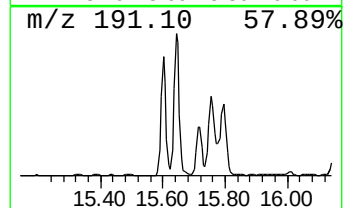
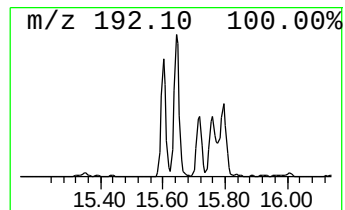
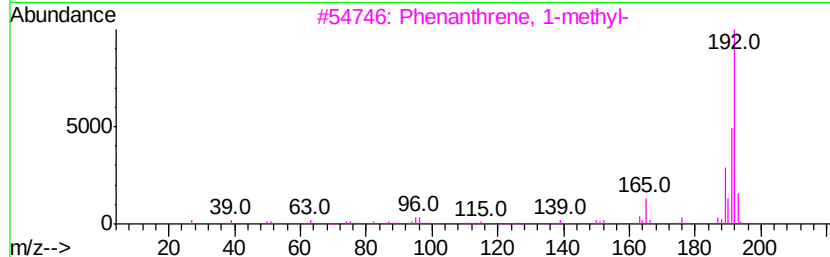
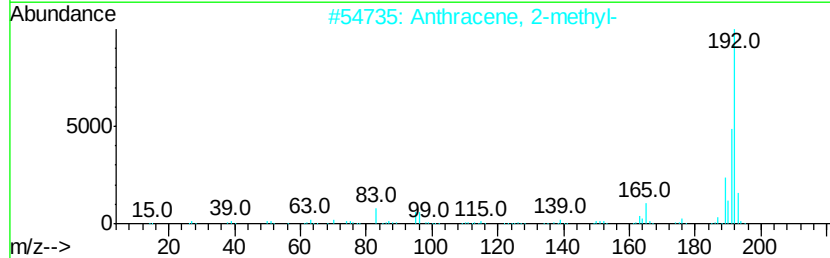
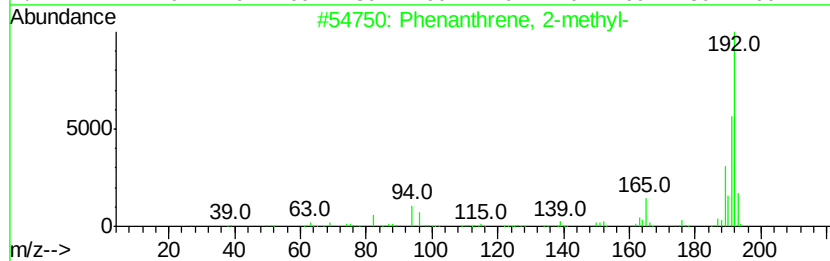
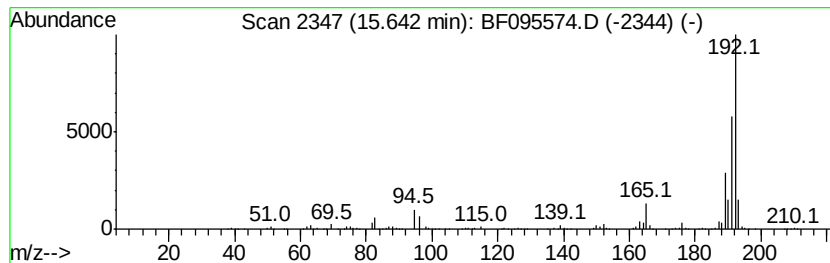
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	17.36 ng	716106	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
Data File : BF095574.D
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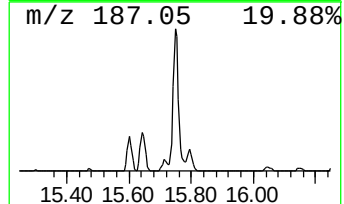
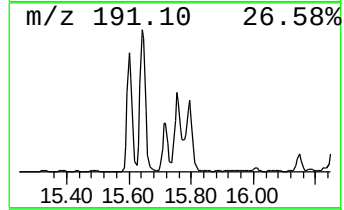
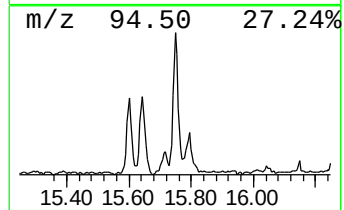
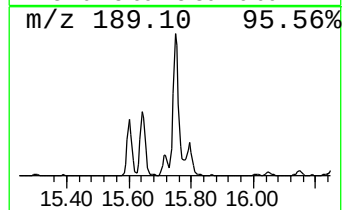
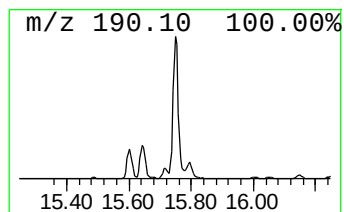
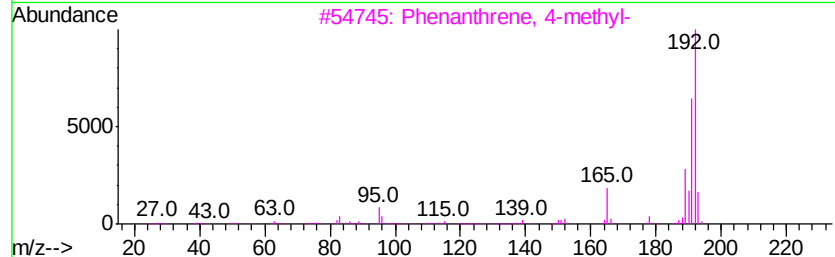
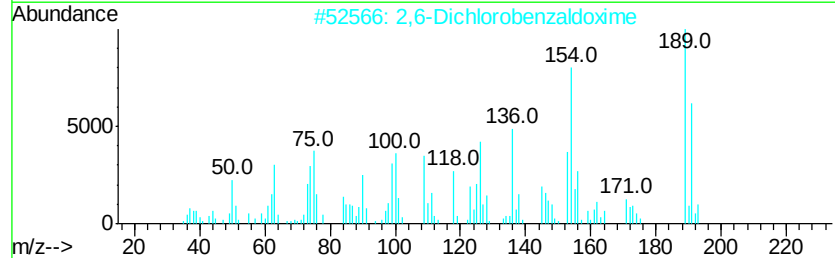
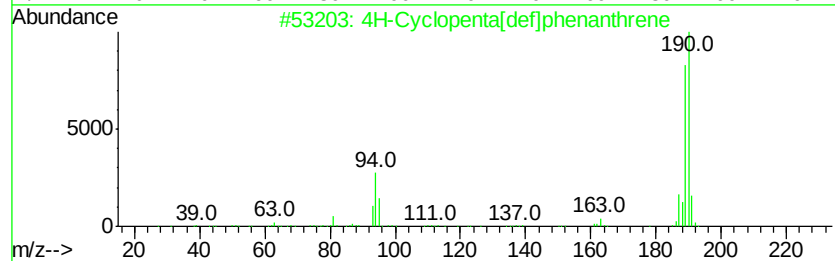
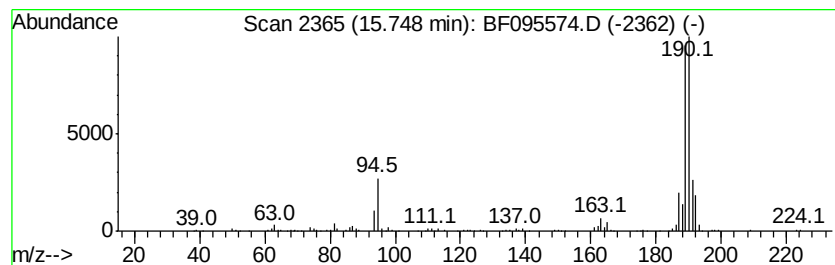
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	18.98 ng	782726	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20
4		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	18
5		Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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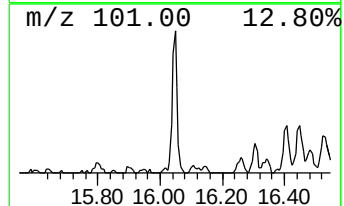
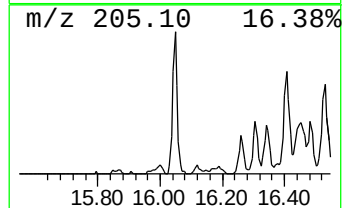
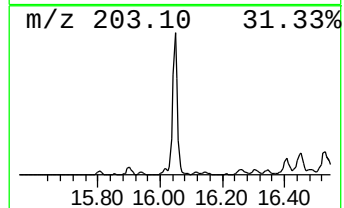
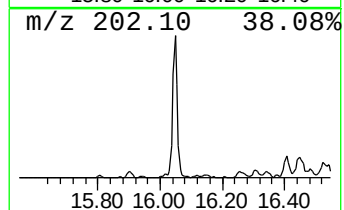
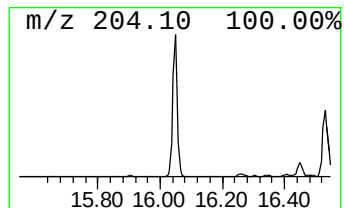
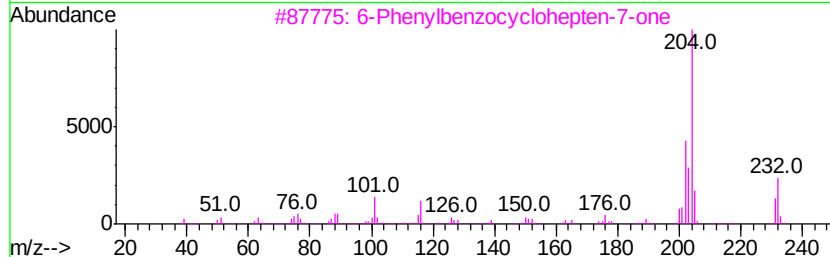
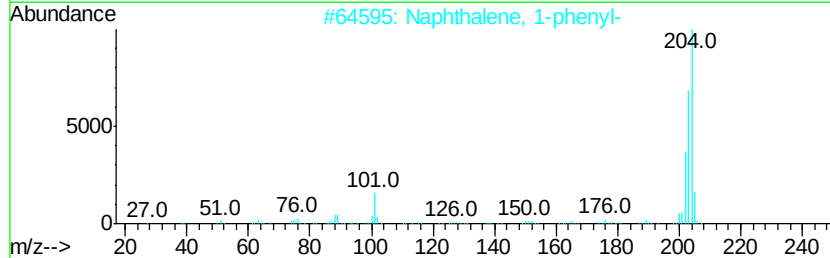
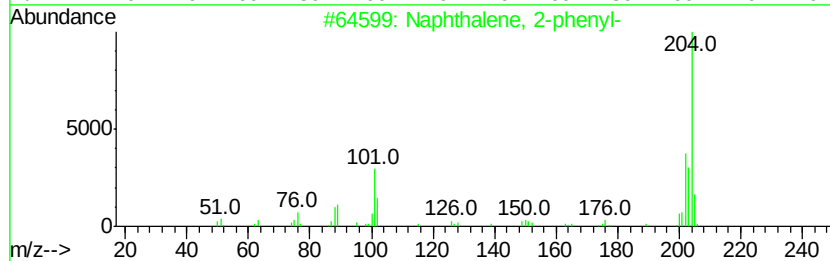
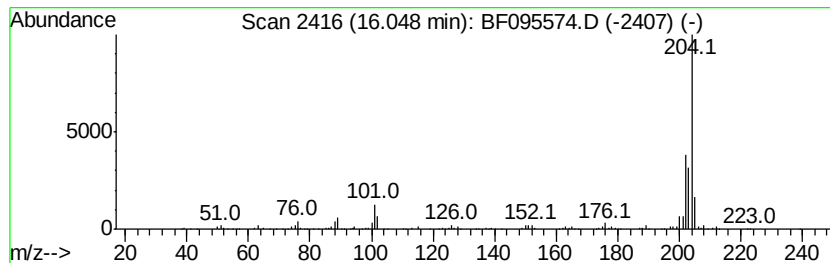
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	13.21 ng	544738	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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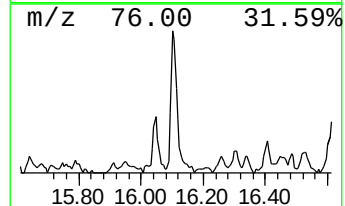
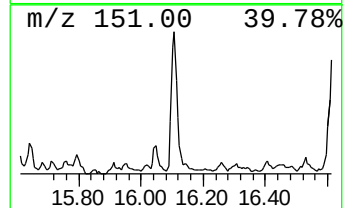
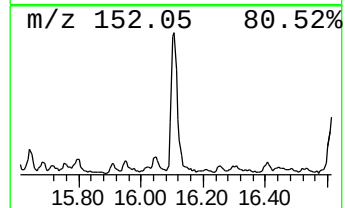
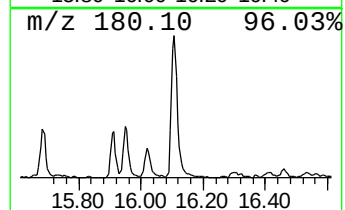
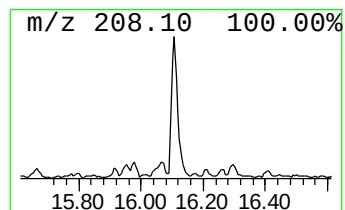
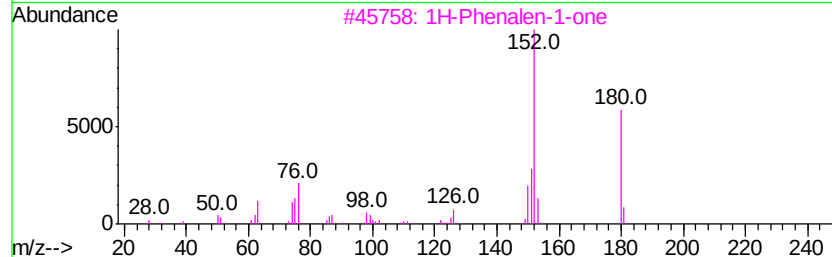
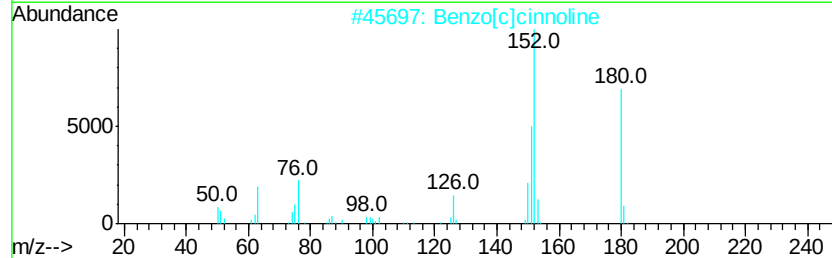
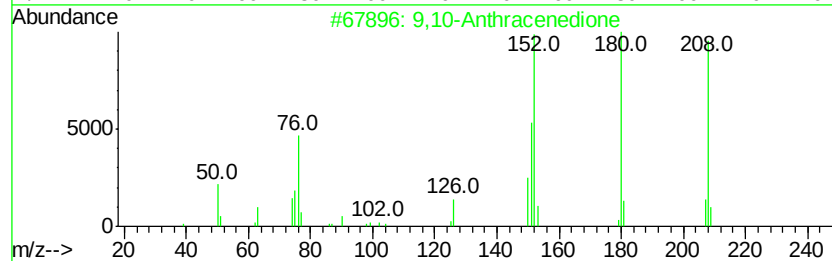
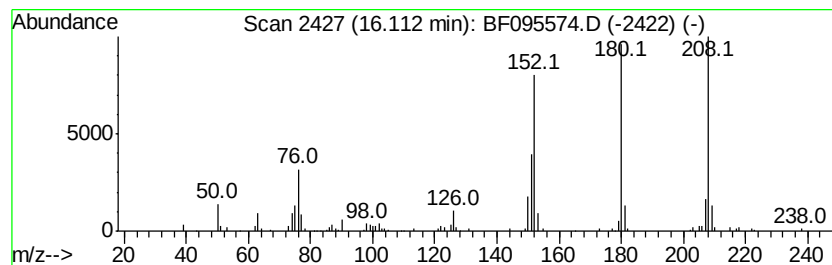
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	7.10 ng	292901	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5		1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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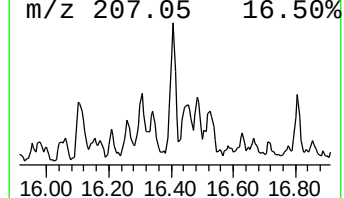
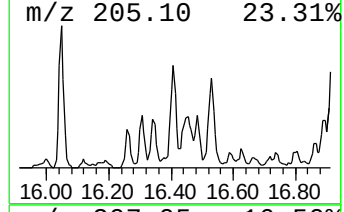
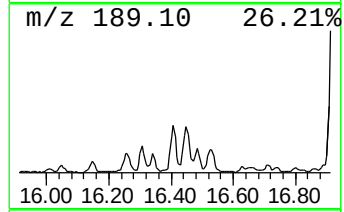
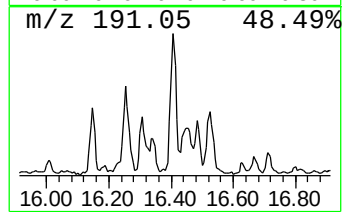
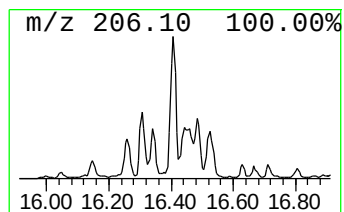
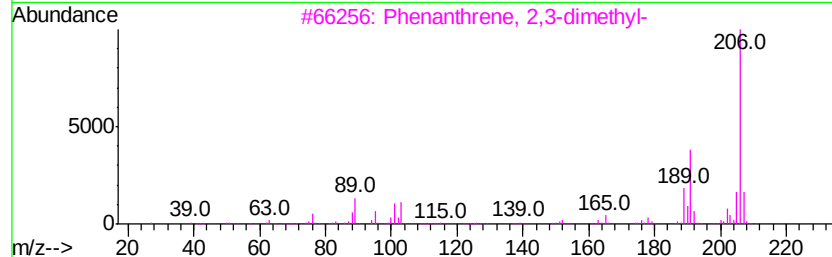
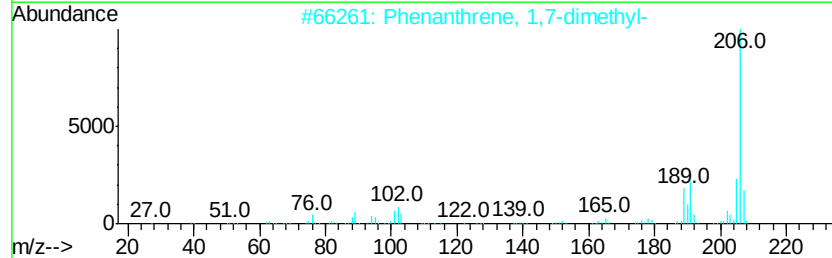
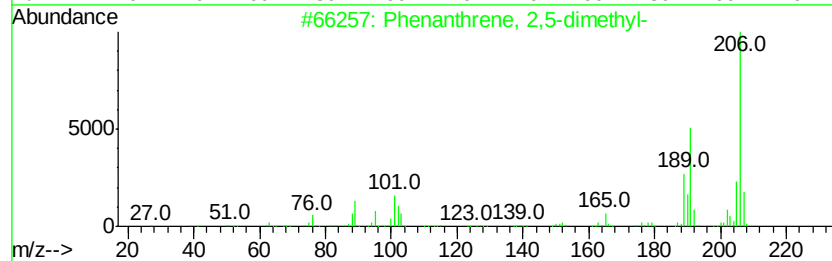
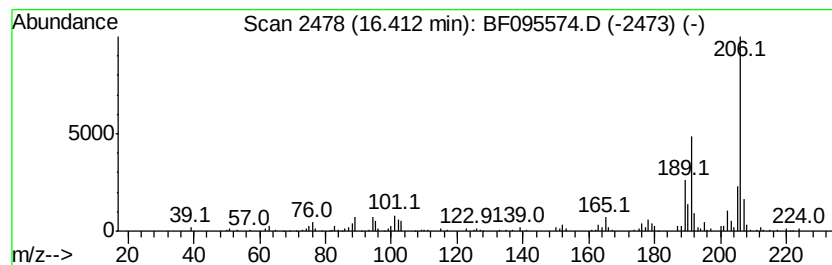
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	7.65 ng	315404	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
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	93
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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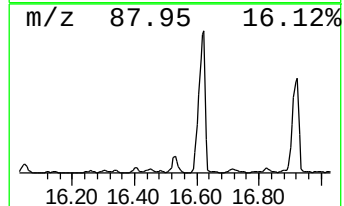
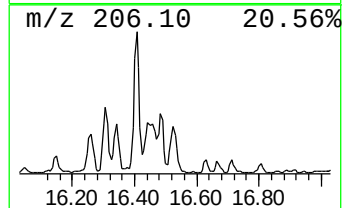
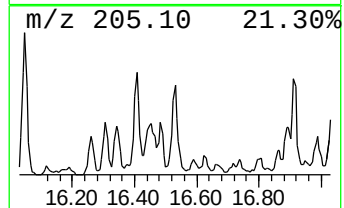
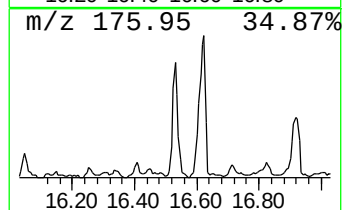
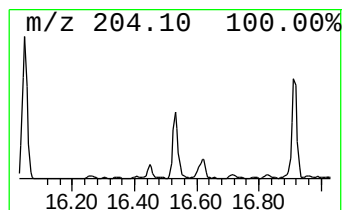
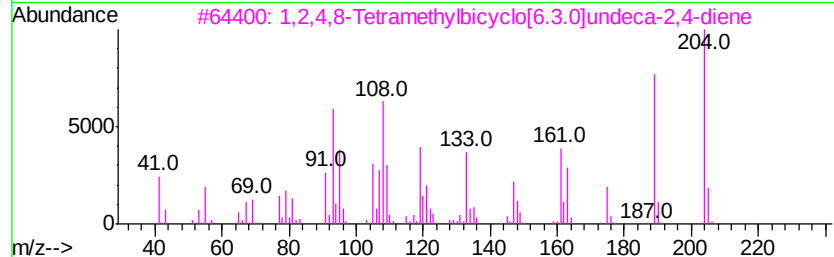
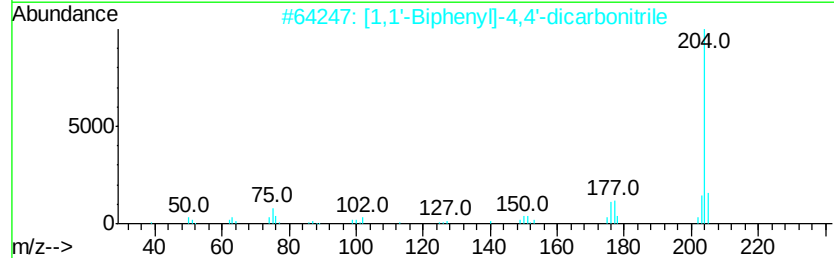
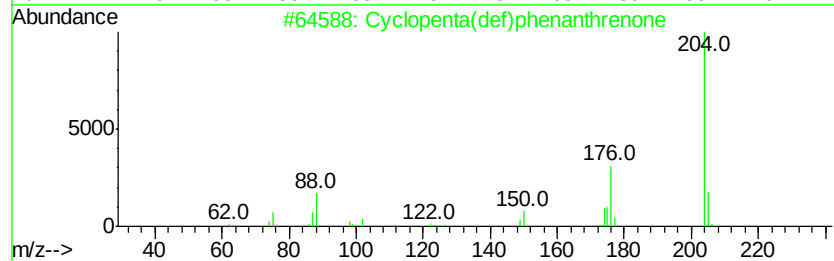
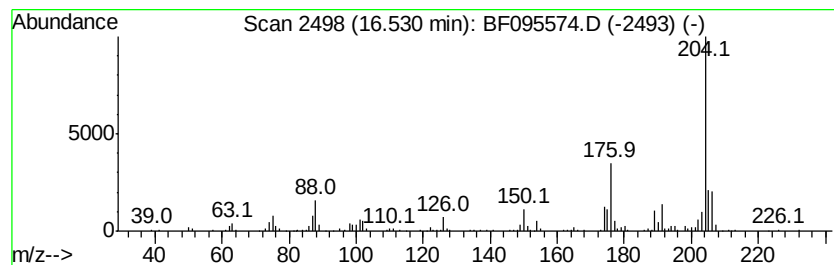
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	8.90 ng	367138	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	46
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
Data File : BF095574.D
Acq On : 31 May 2017 20:40
Operator : SJ/MA
Sample : I3329-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

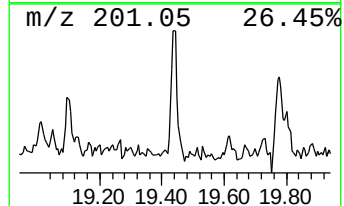
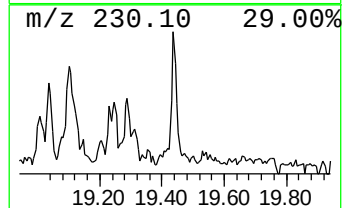
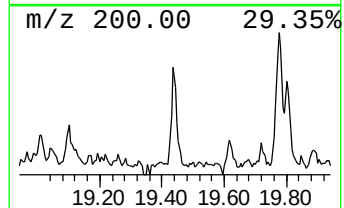
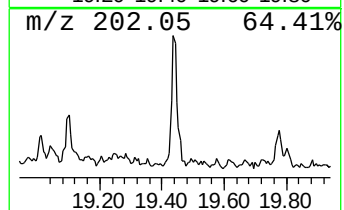
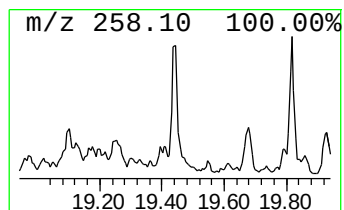
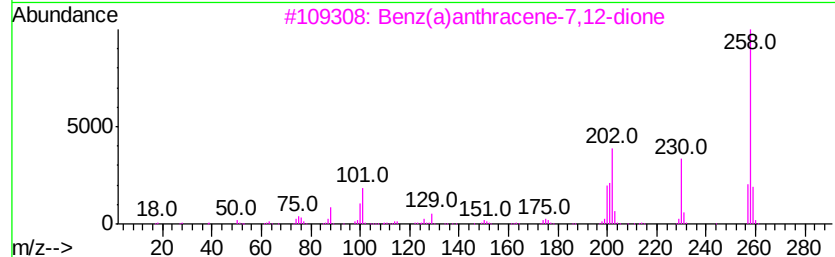
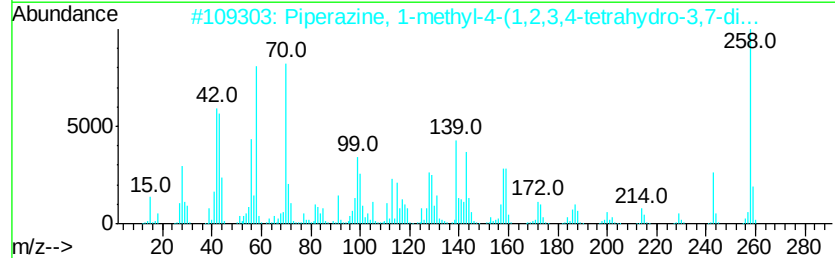
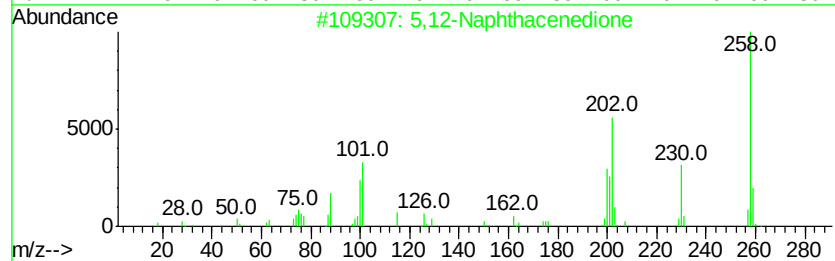
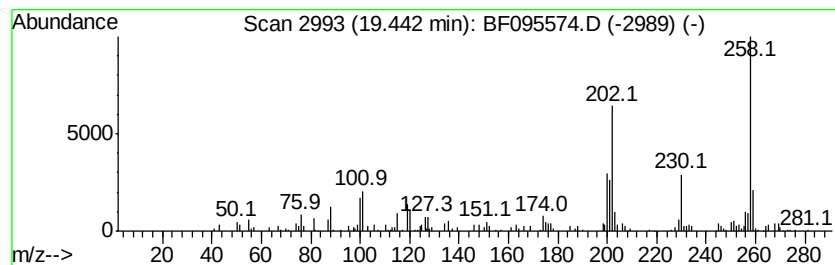
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 5,12-Naphthacenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.44	6.74 ng	172036	Perylene-d12	20.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	92
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
4	Cyclopenta[cl]fluorene, 2,4-dimet...	258	C13H14N4S	1000304-26-5	43
5	2-Thiazoleacetone nitrile, 4-tricyc...	258	C15H18N2S	1000338-15-0	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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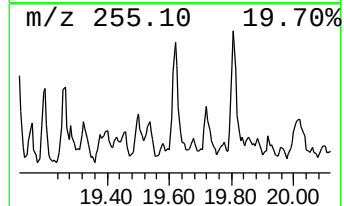
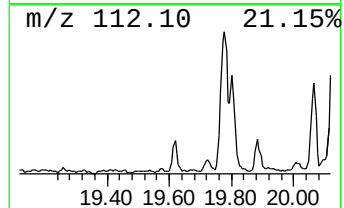
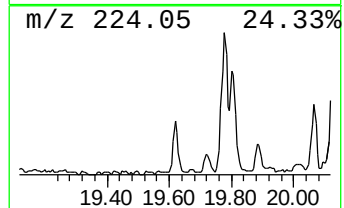
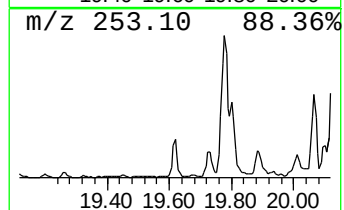
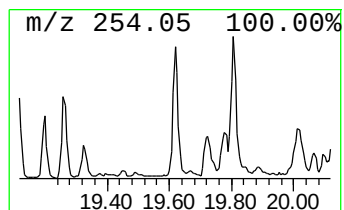
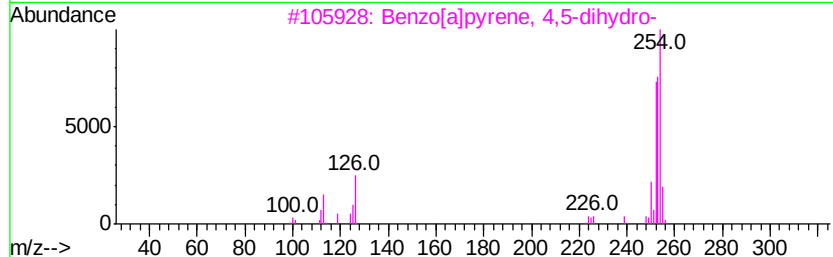
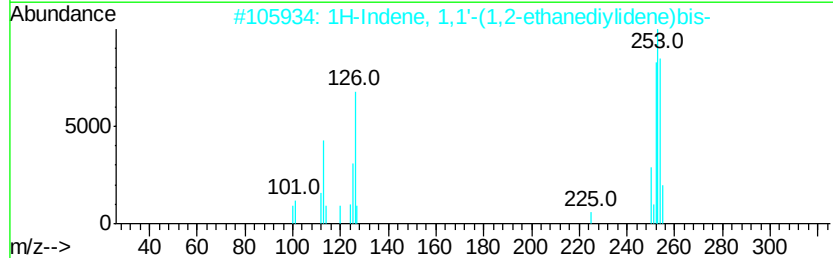
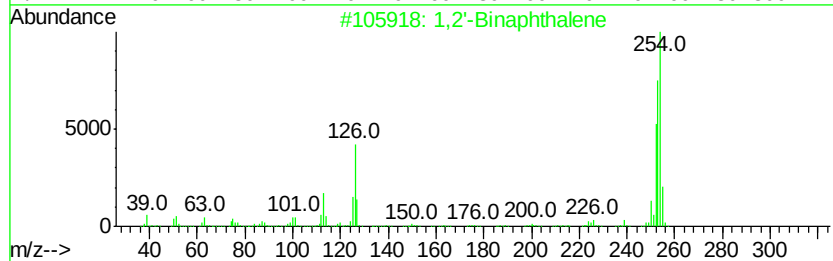
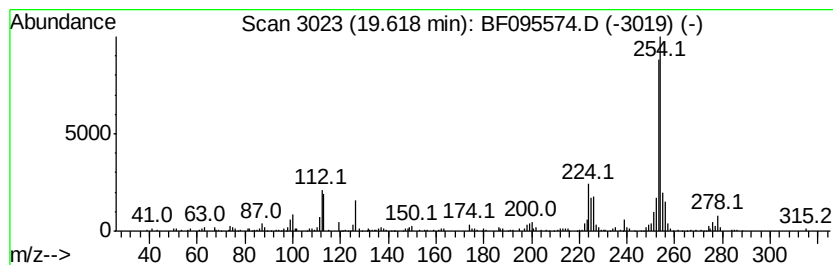
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,2'-Binaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	9.65 ng	246153	Perylene-d12	20.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2'-Binaphthalene	254	C20H14	004325-74-0	76
2			1H-Indene, 1,1'-(1,2-ethanedivli...	254	C20H14	072088-04-1	72
3			Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	68
4			9,10[1',2']-Benzoanthracene, 9...	254	C20H14	000477-75-8	68
5			1,1'-Binaphthalene	254	C20H14	000604-53-5	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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Sample : I3329-08
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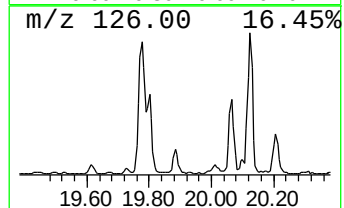
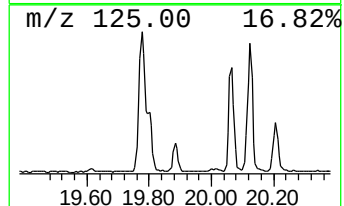
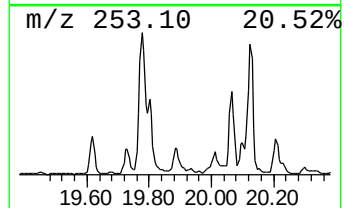
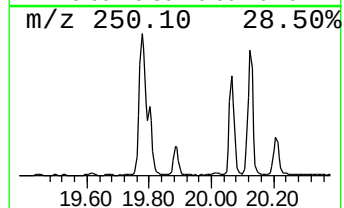
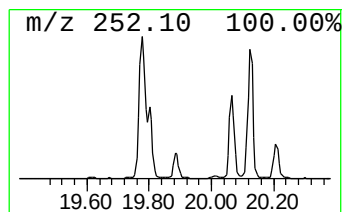
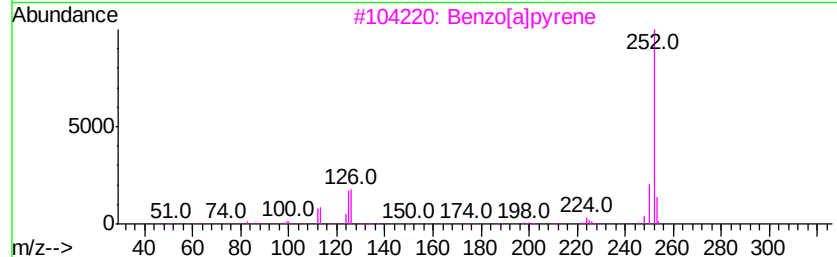
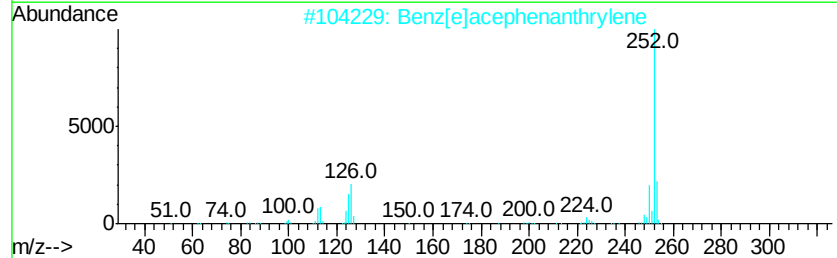
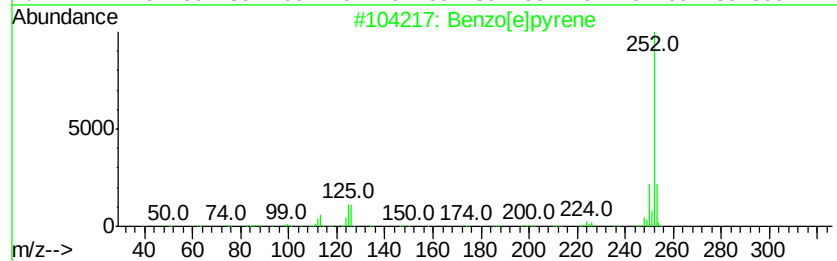
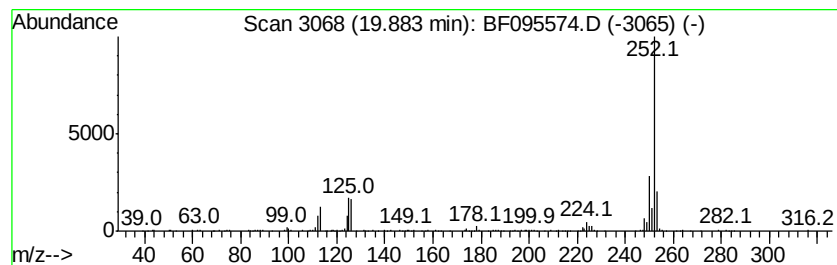
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
19.88	9.61 ng	245084	Perylene-d12		20.18
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
Data File : BF095574.D
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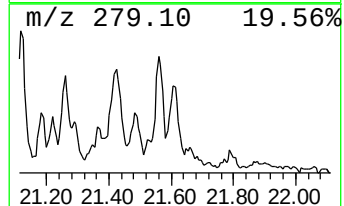
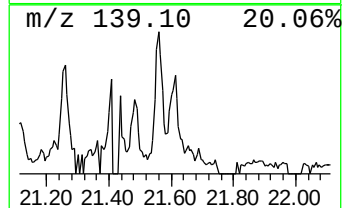
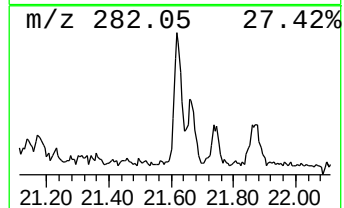
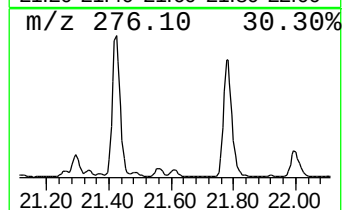
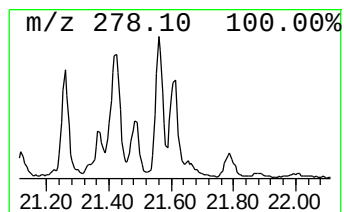
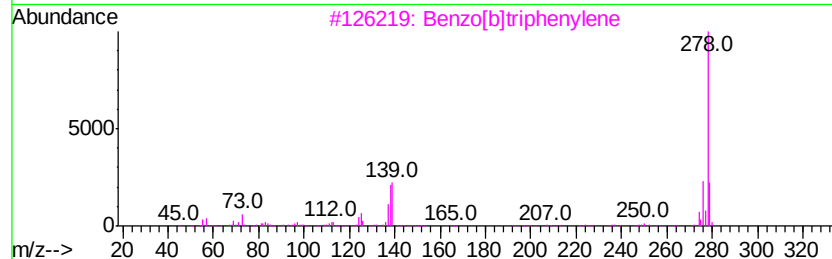
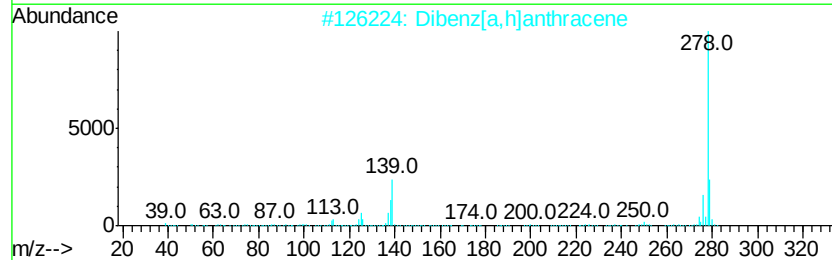
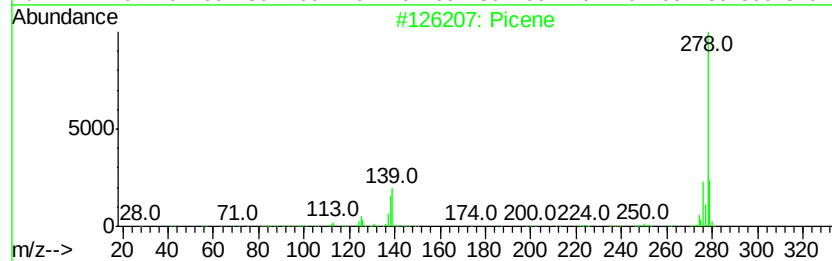
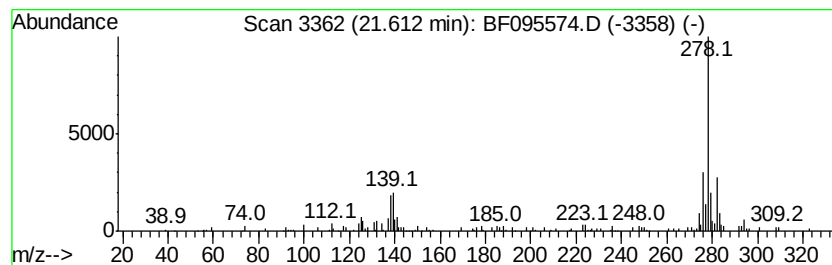
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	6.66 ng	169992	Perylene-d12	20.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	92
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	91
4		Benzo[b]chrysene	278	C22H14	000214-17-5	90
5		Pentacene	278	C22H14	000135-48-8	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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ALS Vial : 14 Sample Multiplier: 1

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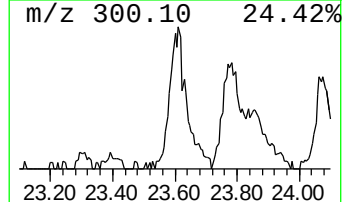
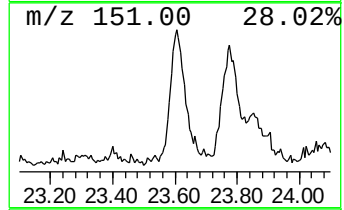
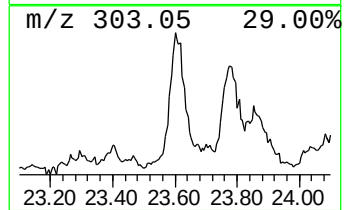
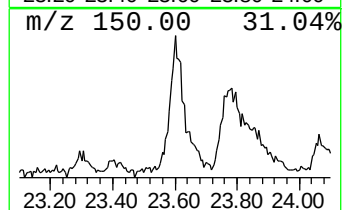
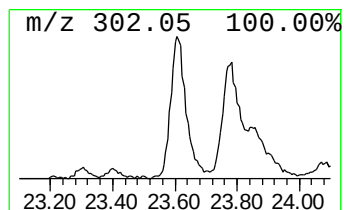
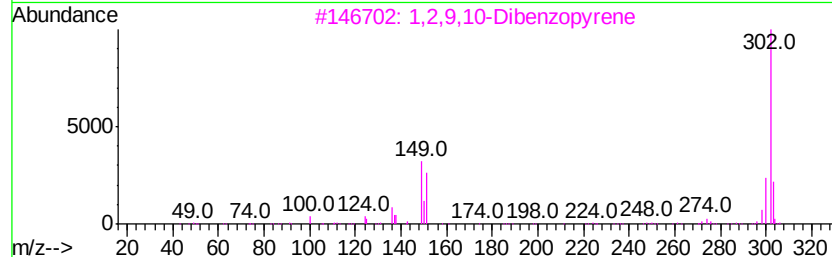
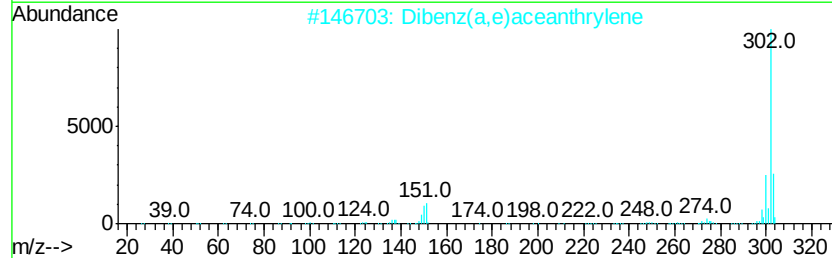
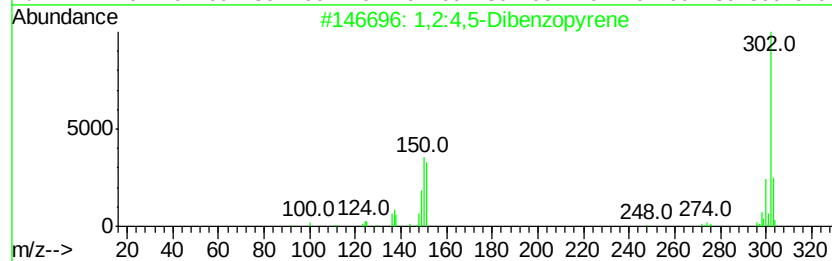
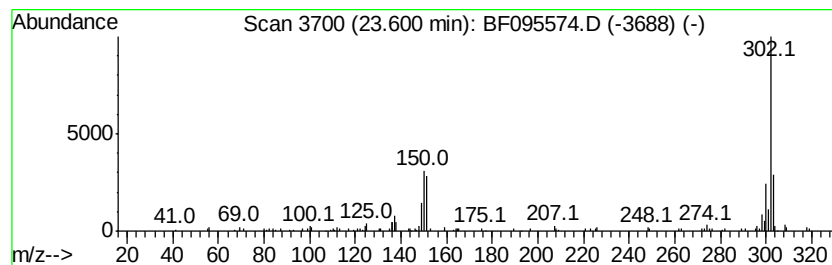
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	14.22 ng	362916	Perylene-d12	20.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	91
3		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	86
4		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	86
5		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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Acq On : 31 May 2017 20:40
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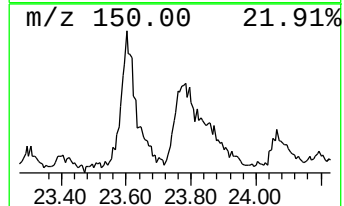
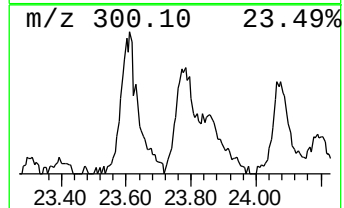
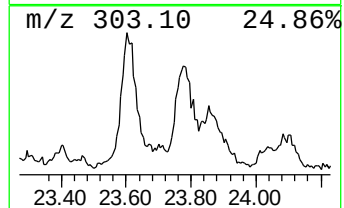
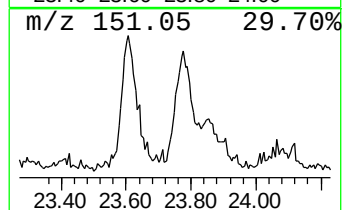
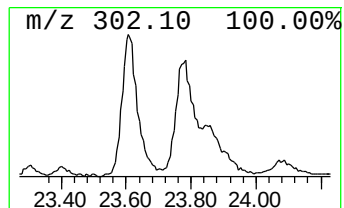
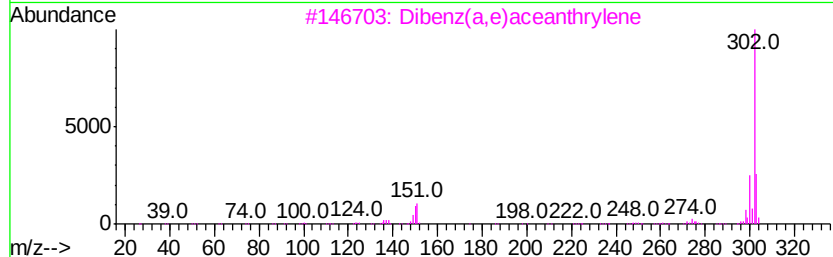
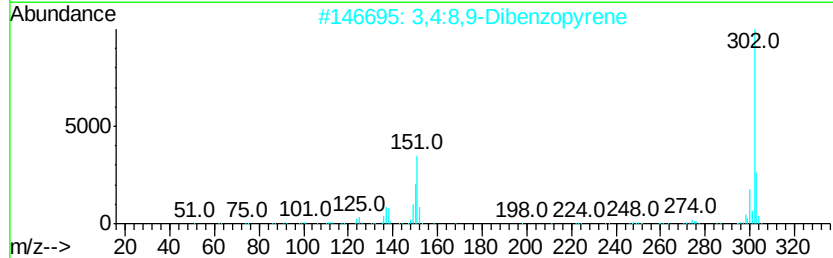
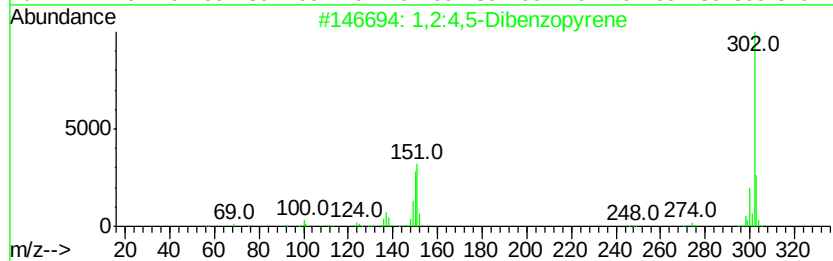
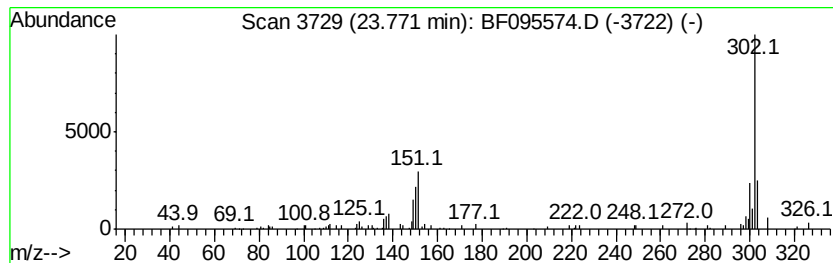
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2,9,10-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.77	7.27 ng	185425	Perylene-d12	20.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	91
3		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	90
4		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	86
5		Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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 Sample : I3329-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-5)

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
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9H-Fluoren-9-one	14.53	9.1	ng	376543	4	14.81	824984	20.0
Dibenzothiophene	14.64	9.1	ng	374657	4	14.81	824984	20.0
Phenanthrene, 2-m...	15.60	14.6	ng	602110	4	14.81	824984	20.0
Anthracene, 2-met...	15.64	17.4	ng	716106	4	14.81	824984	20.0
4H-Cyclopenta[def...	15.75	19.0	ng	782726	4	14.81	824984	20.0
Naphthalene, 2-ph...	16.05	13.2	ng	544738	4	14.81	824984	20.0
9,10-Anthracenedione	16.11	7.1	ng	292901	4	14.81	824984	20.0
Phenanthrene, 2,5...	16.41	7.7	ng	315404	4	14.81	824984	20.0
Cyclopenta(def)ph...	16.53	8.9	ng	367138	4	14.81	824984	20.0
5,12-Naphthacened...	19.44	6.7	ng	172036	6	20.18	510275	20.0
1,2'-Binaphthalene	19.62	9.7	ng	246153	6	20.18	510275	20.0
Benzo[e]pyrene	19.88	9.6	ng	245084	6	20.18	510275	20.0
Picene	21.61	6.7	ng	169992	6	20.18	510275	20.0
1,2:4,5-Dibenzopy...	23.60	14.2	ng	362916	6	20.18	510275	20.0
1,2,9,10-Dibenzop...	23.77	7.3	ng	185425	6	20.18	510275	20.0