

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095565.D
 Acq On : 31 May 2017 15:51
 Operator : SJ/MA
 Sample : I3329-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-9)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 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	4.825	503	508	533	rBV	94415	303018	7.98%	0.632%
2	5.472	614	618	651	rBV	1823961	3236796	85.20%	6.748%
3	7.107	891	896	909	rBV	1931751	3048529	80.24%	6.355%
4	7.213	909	914	931	rVB	2348691	3388104	89.18%	7.063%
5	7.554	968	972	984	rBV	436123	599886	15.79%	1.251%
6	7.789	1007	1012	1036	rBV	1834716	2502897	65.88%	5.218%
7	8.466	1121	1127	1161	rBV	1329590	2060446	54.23%	4.295%
8	9.583	1312	1317	1338	rBV	620285	984265	25.91%	2.052%
9	10.754	1513	1516	1526	rVB	43372	62246	1.64%	0.130%
10	10.901	1536	1541	1549	rBV	34896	56363	1.48%	0.117%
11	11.360	1612	1619	1636	rBV	2596881	3799266	100.00%	7.920%
12	11.889	1701	1709	1713	rBV	40594	61516	1.62%	0.128%
13	12.048	1731	1736	1748	rBV	464951	598021	15.74%	1.247%
14	12.407	1791	1797	1802	rBV2	769710	985308	25.93%	2.054%
15	12.460	1802	1806	1815	rVB	196797	281757	7.42%	0.587%
16	12.760	1852	1857	1864	rBV	109160	171149	4.50%	0.357%
17	13.254	1934	1941	1945	rBV2	46242	60929	1.60%	0.127%
18	13.307	1945	1950	1957	rBV	203812	279022	7.34%	0.582%
19	13.583	1993	1997	2005	rBV3	44474	77689	2.04%	0.162%
20	13.707	2012	2018	2029	rBV	1473110	2250975	59.25%	4.692%
21	14.024	2067	2072	2075	rBV	64056	88573	2.33%	0.185%
22	14.207	2096	2103	2107	rBV	57803	104692	2.76%	0.218%
23	14.254	2107	2111	2115	rVV3	30208	50172	1.32%	0.105%
24	14.436	2138	2142	2145	rBV3	31957	46830	1.23%	0.098%
25	14.536	2156	2159	2165	rVV	71986	95093	2.50%	0.198%
26	14.642	2174	2177	2182	rVB	99681	122884	3.23%	0.256%
27	14.759	2192	2197	2200	rBV	38278	46913	1.23%	0.098%
28	14.812	2200	2206	2208	rVV	762651	981967	25.85%	2.047%
29	14.848	2208	2212	2221	rVV	1780560	2326222	61.23%	4.849%
30	14.936	2221	2227	2239	rVB	394859	562411	14.80%	1.172%
31	15.030	2239	2243	2248	rBV2	34657	62329	1.64%	0.130%
32	15.230	2274	2277	2286	rVV	140410	203195	5.35%	0.424%
33	15.342	2292	2296	2301	rVB3	37652	54000	1.42%	0.113%
34	15.471	2314	2318	2325	rVB3	36145	62187	1.64%	0.130%

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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

35	15.601	2335	2340	2344	rBV	240412	254978	6.71%	0.532%
36	15.642	2344	2347	2352	rVV	256125	308441	8.12%	0.643%
37	15.718	2356	2360	2362	rVV	94041	112593	2.96%	0.235%
38	15.753	2362	2366	2369	rVV2	271329	358272	9.43%	0.747%
39	15.795	2369	2373	2388	rVB	254552	381233	10.03%	0.795%
40	16.048	2408	2416	2423	rVV	141408	180497	4.75%	0.376%
41	16.112	2423	2427	2431	rVV	71524	96353	2.54%	0.201%
42	16.259	2448	2452	2457	rBV3	44449	62634	1.65%	0.131%
43	16.306	2457	2460	2463	rBV	50871	56792	1.49%	0.118%
44	16.406	2473	2477	2480	rBV	125433	146920	3.87%	0.306%
45	16.448	2480	2484	2488	rVV3	67151	108305	2.85%	0.226%
46	16.530	2493	2498	2504	rBV3	89163	138759	3.65%	0.289%
47	16.612	2504	2512	2517	rBV	1582626	1870379	49.23%	3.899%
48	16.653	2517	2519	2525	rVB3	43840	49635	1.31%	0.103%
49	16.712	2525	2529	2532	rBV3	51978	75104	1.98%	0.157%
50	16.806	2541	2545	2549	rBV	57962	70731	1.86%	0.147%
51	16.912	2556	2563	2568	rBV	1744604	1982809	52.19%	4.133%
52	17.006	2573	2579	2582	rBV2	48965	78516	2.07%	0.164%
53	17.106	2592	2596	2599	rBV	92209	94783	2.49%	0.198%
54	17.165	2599	2606	2609	rBV	2546318	3309618	87.11%	6.899%
55	17.242	2612	2619	2624	rBV4	96085	179306	4.72%	0.374%
56	17.353	2630	2638	2640	rBV4	86505	166588	4.38%	0.347%
57	17.377	2640	2642	2648	rVB	188453	219085	5.77%	0.457%
58	17.465	2654	2657	2661	rVB	140298	154194	4.06%	0.321%
59	17.512	2661	2665	2672	rBV3	177463	310691	8.18%	0.648%
60	17.630	2679	2685	2689	rVB2	75168	96425	2.54%	0.201%
61	17.671	2689	2692	2697	rVB	70000	77784	2.05%	0.162%
62	17.812	2712	2716	2725	rVB7	27359	44138	1.16%	0.092%
63	18.065	2756	2759	2763	rVB	76531	93833	2.47%	0.196%
64	18.183	2775	2779	2781	rBV2	70437	78367	2.06%	0.163%
65	18.212	2781	2784	2787	rVV	148734	149714	3.94%	0.312%
66	18.247	2787	2790	2793	rVV	75218	87263	2.30%	0.182%
67	18.283	2793	2796	2801	rVB2	65069	75192	1.98%	0.157%
68	18.342	2801	2806	2811	rBV	84424	96918	2.55%	0.202%
69	18.400	2812	2816	2825	rBV3	110857	183034	4.82%	0.382%
70	18.500	2827	2833	2837	rVV2	982833	1635175	43.04%	3.409%
71	18.536	2837	2839	2847	rVV2	540991	713127	18.77%	1.487%

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72	18.636	2851	2856	2859	rBV2	97934	118731	3.13%	0.248%
73	18.789	2879	2882	2886	rVV2	67262	83851	2.21%	0.175%
74	18.830	2886	2889	2896	rVB3	52733	79563	2.09%	0.166%
75	19.012	2915	2920	2924	rBV	123575	160091	4.21%	0.334%
76	19.053	2924	2927	2931	rVB2	76873	85108	2.24%	0.177%
77	19.124	2931	2939	2943	rBV4	56707	128304	3.38%	0.267%
78	19.165	2943	2946	2948	rVV3	42789	57152	1.50%	0.119%
79	19.194	2948	2951	2959	rVV3	44260	88818	2.34%	0.185%
80	19.447	2991	2994	3000	rVV5	35123	54598	1.44%	0.114%
81	19.530	3004	3008	3012	rVB2	84103	108763	2.86%	0.227%
82	19.624	3019	3024	3028	rBV4	51099	83984	2.21%	0.175%
83	19.677	3028	3033	3038	rVB6	27731	59279	1.56%	0.124%
84	19.771	3045	3049	3052	rBV	382504	519031	13.66%	1.082%
85	19.800	3052	3054	3061	rVB2	164158	211729	5.57%	0.441%
86	19.889	3066	3069	3072	rBV	75271	77664	2.04%	0.162%
87	20.012	3081	3090	3095	rBV9	33876	103468	2.72%	0.216%
88	20.059	3095	3098	3103	rVV	238943	275908	7.26%	0.575%
89	20.124	3105	3109	3114	rVV	377103	413255	10.88%	0.861%
90	20.177	3114	3118	3121	rVV	494023	569328	14.99%	1.187%
91	20.206	3121	3123	3128	rVB	54710	64410	1.70%	0.134%
92	20.612	3189	3192	3197	rBV5	32517	54890	1.44%	0.114%
93	20.671	3198	3202	3207	rVB3	32549	53912	1.42%	0.112%
94	21.424	3325	3330	3337	rVV	154081	261887	6.89%	0.546%
95	21.565	3349	3354	3358	rBV2	32386	54090	1.42%	0.113%
96	21.618	3358	3363	3370	rVB3	30682	53927	1.42%	0.112%
97	21.782	3386	3391	3399	rBV	116929	232908	6.13%	0.486%
98	22.012	3425	3430	3437	rBV2	41577	80617	2.12%	0.168%
99	23.624	3699	3704	3714	rVB4	24755	72881	1.92%	0.152%
100	23.794	3727	3733	3741	rBV5	16695	47933	1.26%	0.100%

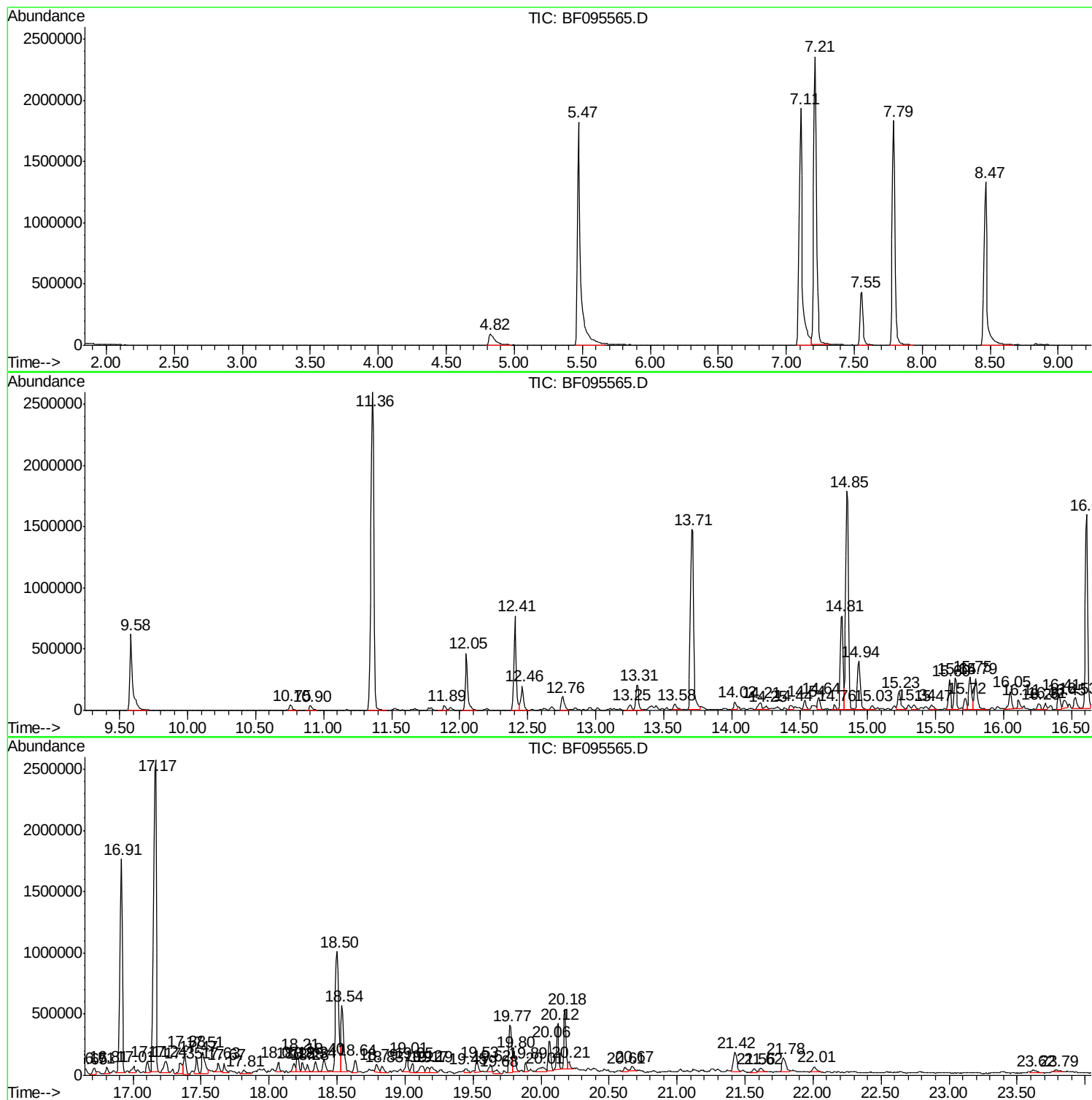
Sum of corrected areas: 47969916

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

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



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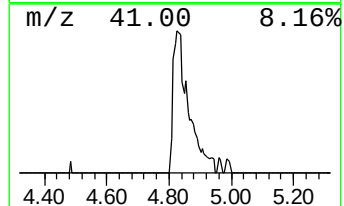
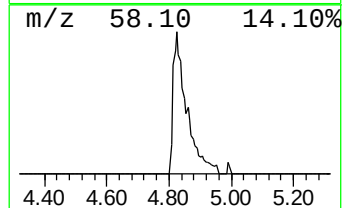
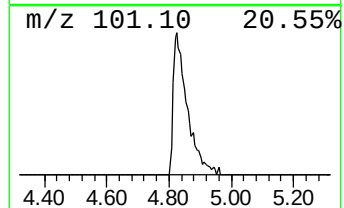
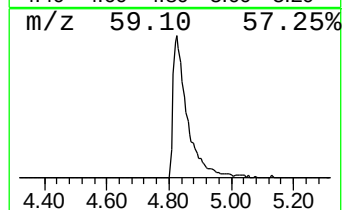
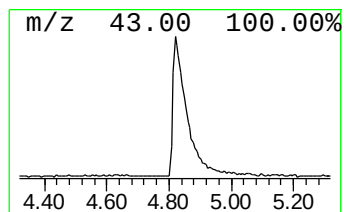
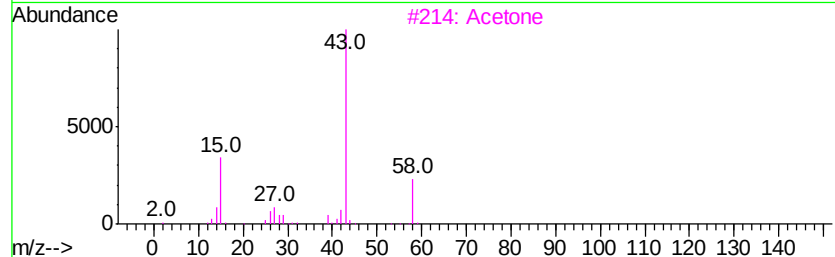
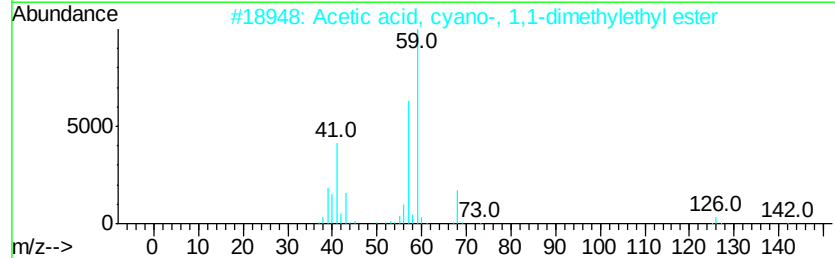
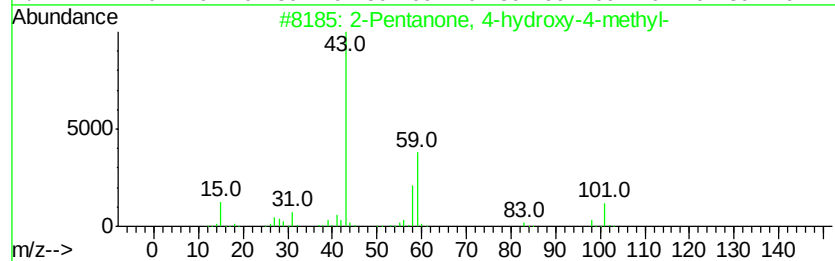
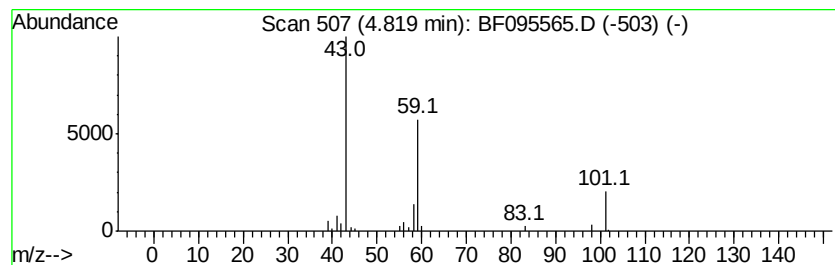
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	10.10 ng	303018	1,4-Dichlorobenzene-d4	7.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
3		Acetone	58	C3H6O	000067-64-1	10
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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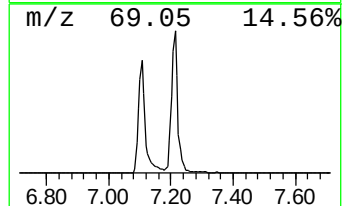
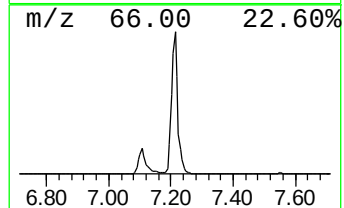
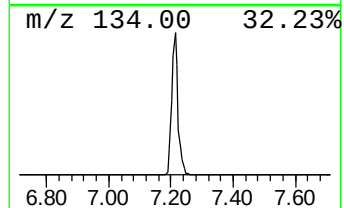
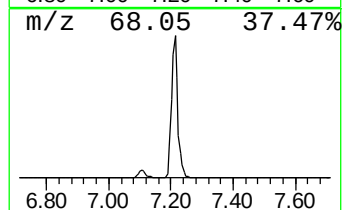
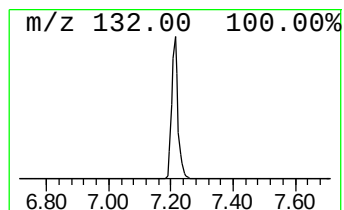
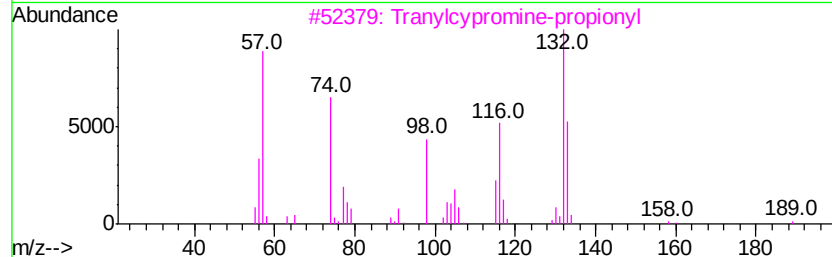
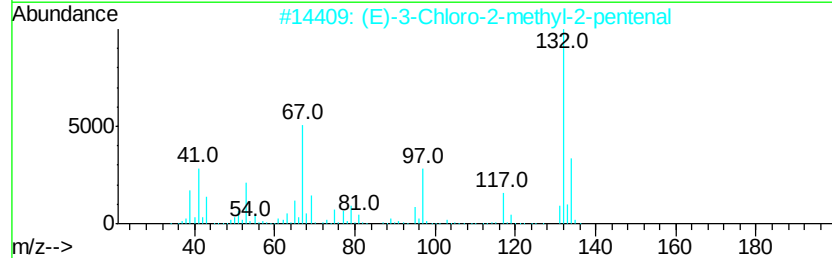
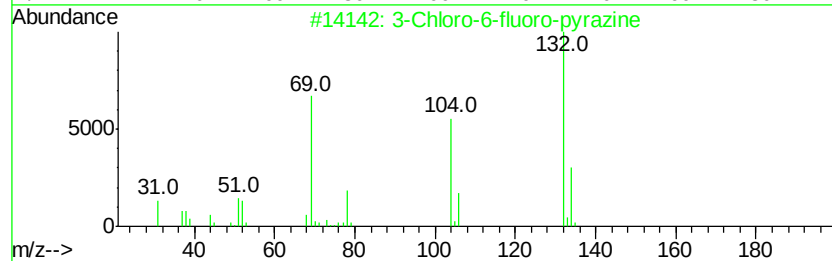
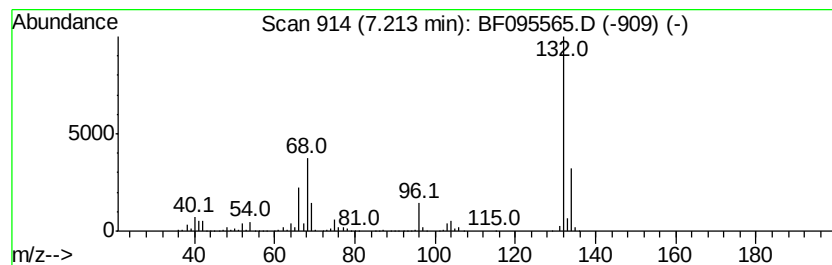
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.21 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	112.96 ng	3388100	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	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5		Xenon	132	Xe	007440-63-3	9



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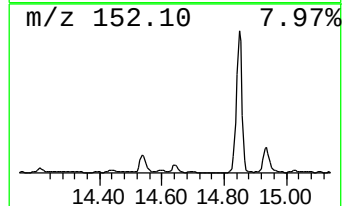
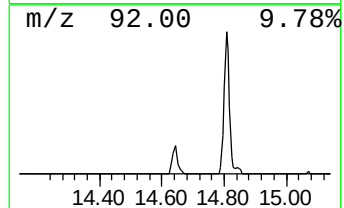
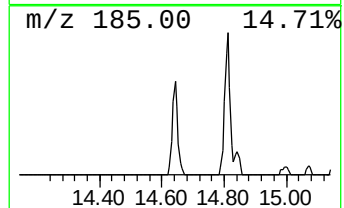
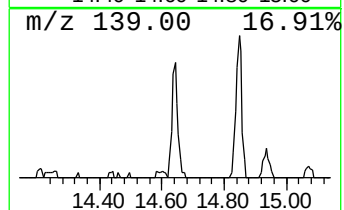
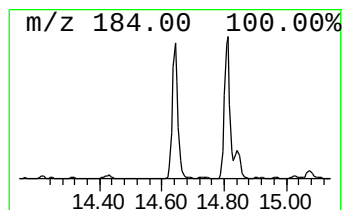
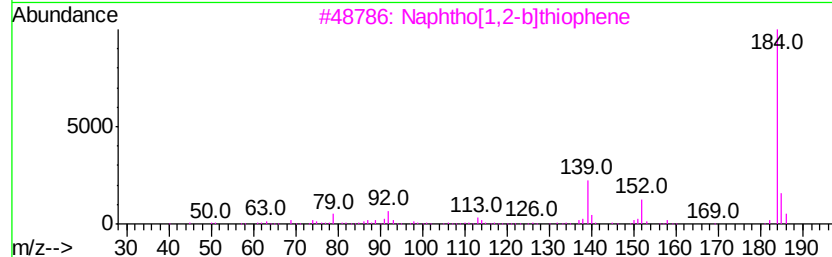
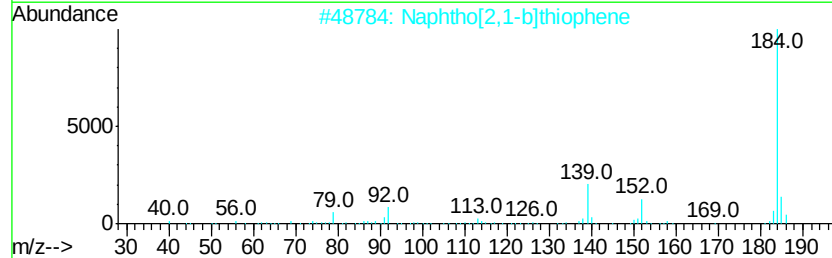
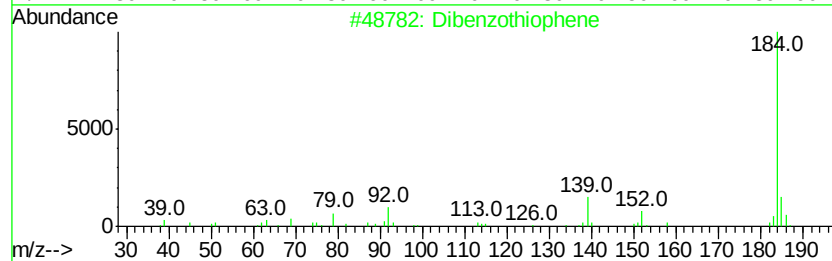
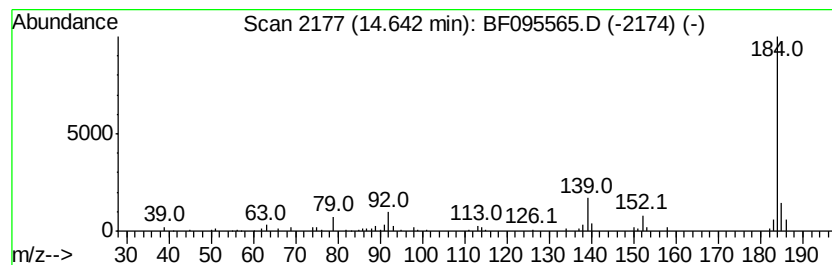
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	2.50 ng	122884	Phenanthrene-d10	14.81
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 97
2		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 94
3		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 93
4		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 91
5		Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5 91



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Operator : SJ/MA
Sample : I3329-01
Misc :
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Instrument :
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ClientSampleId :
B-15(3-9)

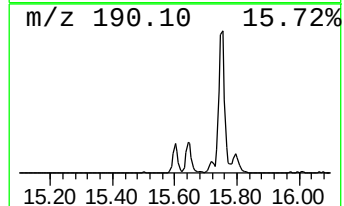
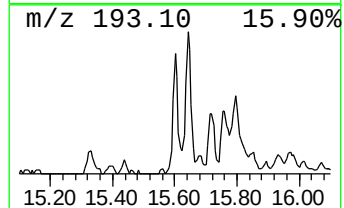
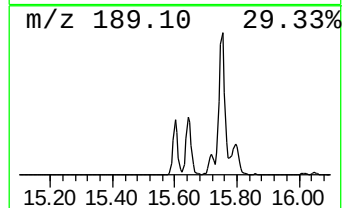
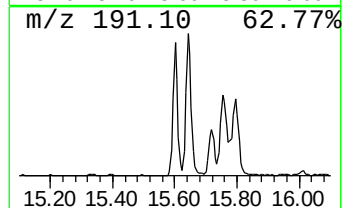
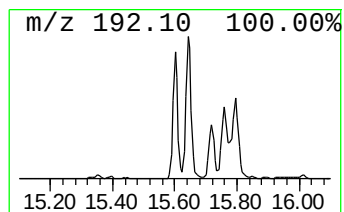
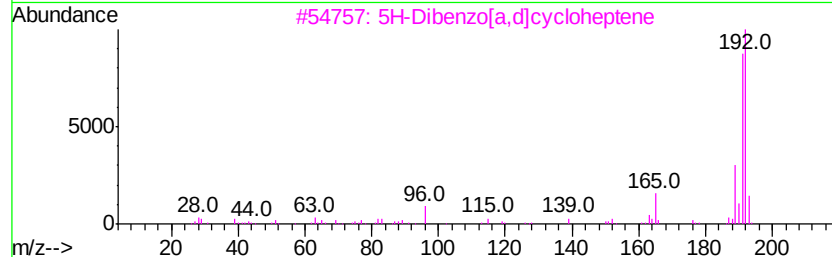
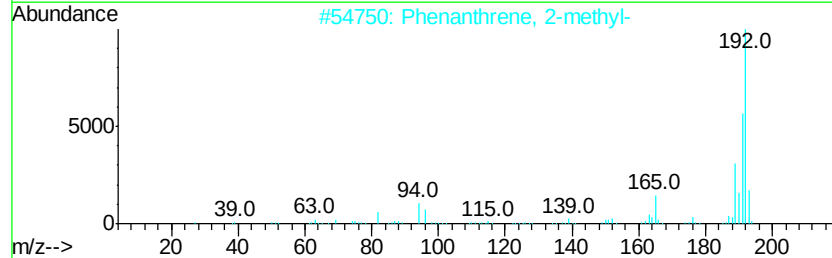
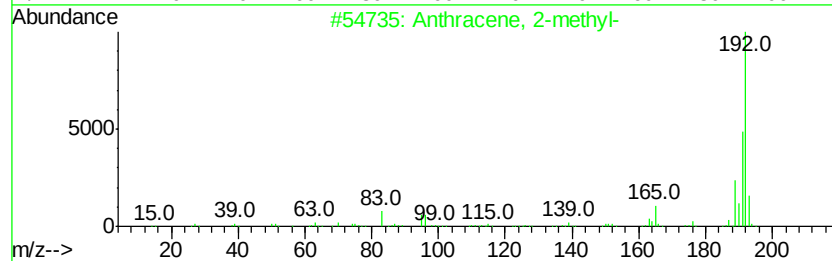
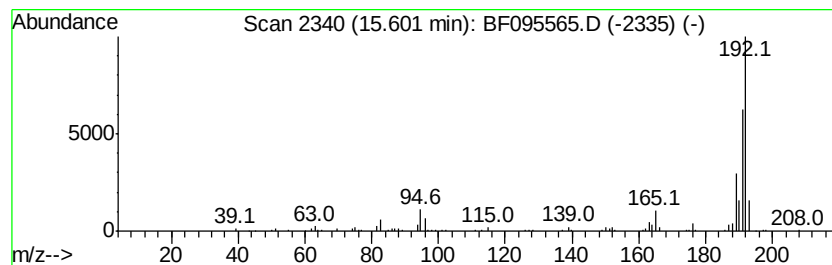
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	5.19 ng	254978	Phenanthrene-d10	14.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	94
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



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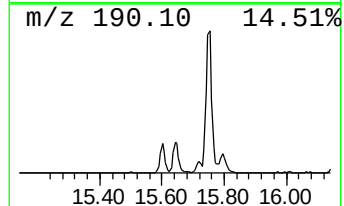
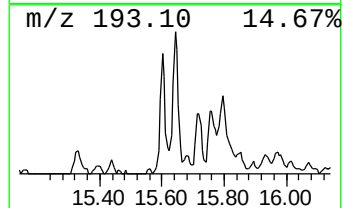
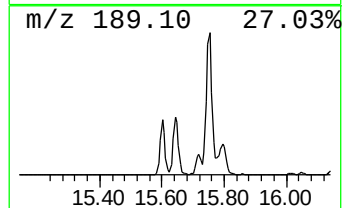
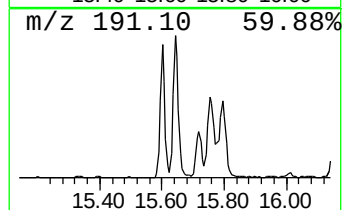
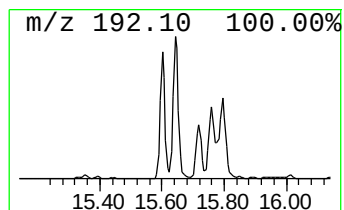
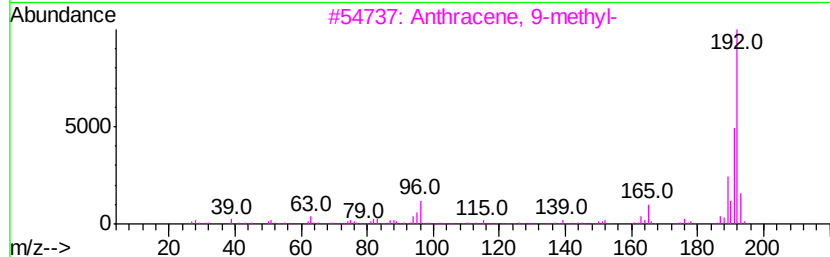
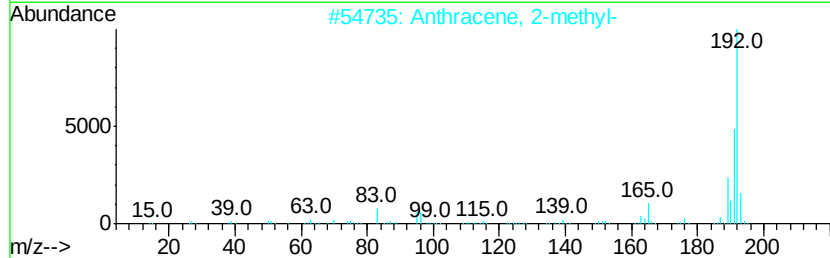
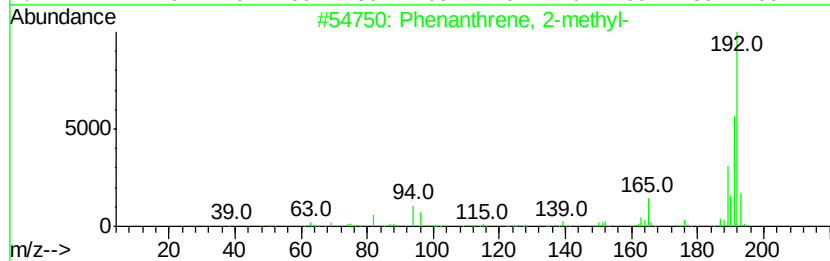
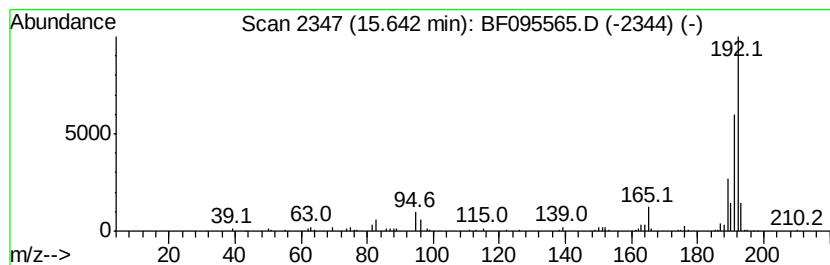
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.64	6.28 ng	308441	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, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095565.D
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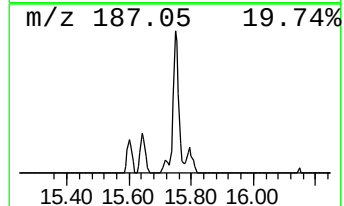
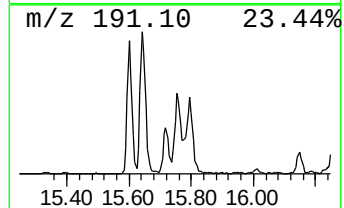
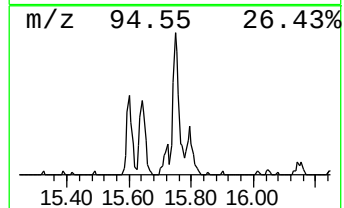
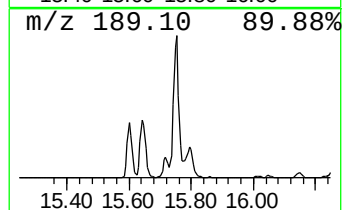
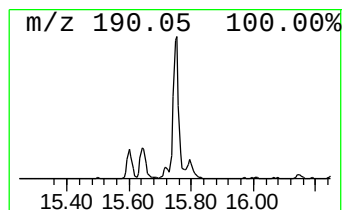
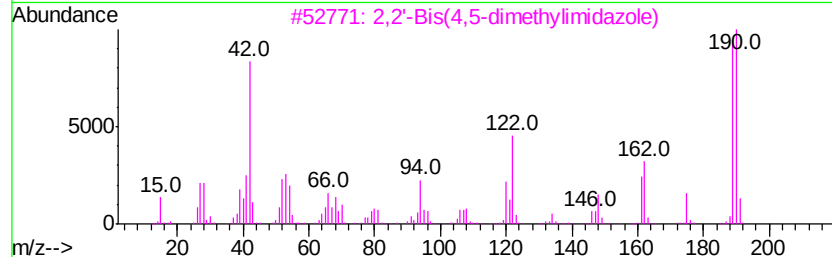
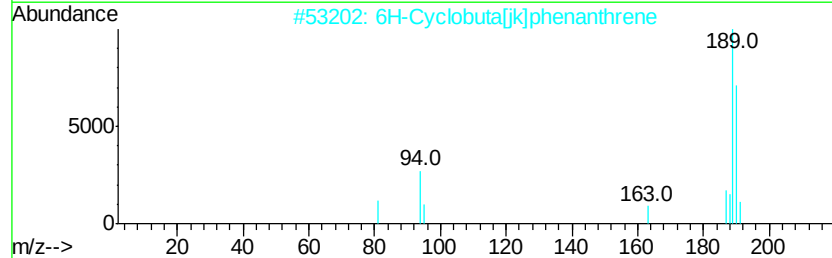
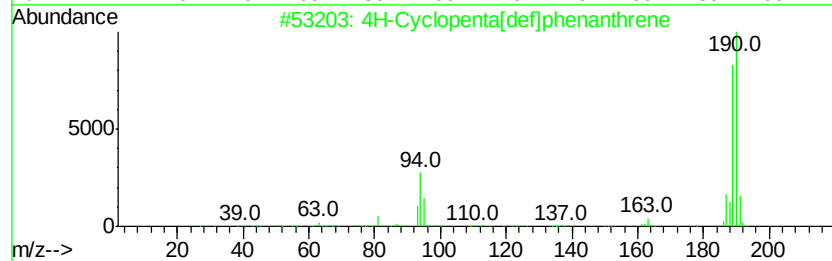
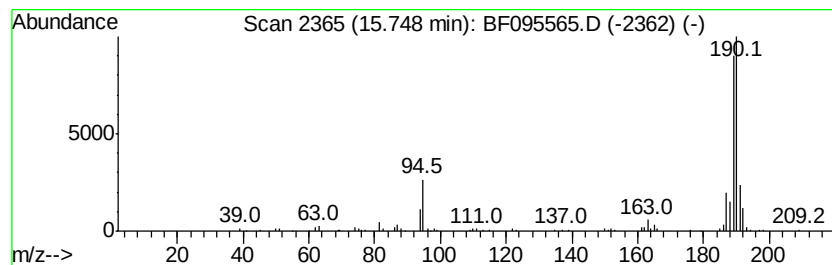
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	7.30 ng	358272	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	53
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	37
5		2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
Data File : BF095565.D
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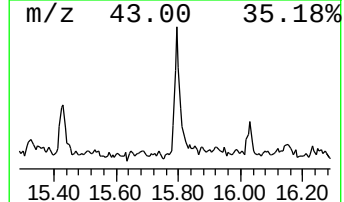
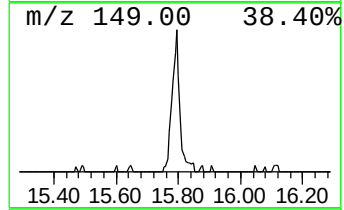
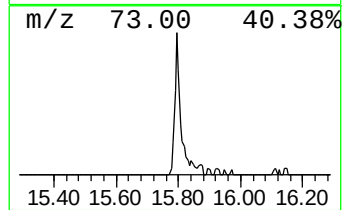
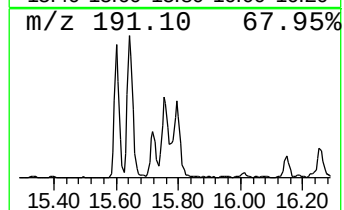
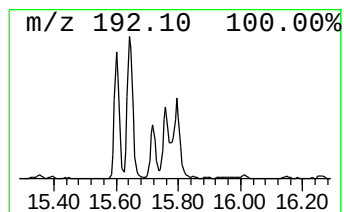
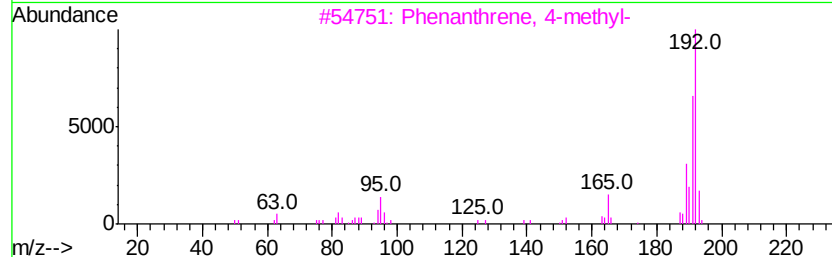
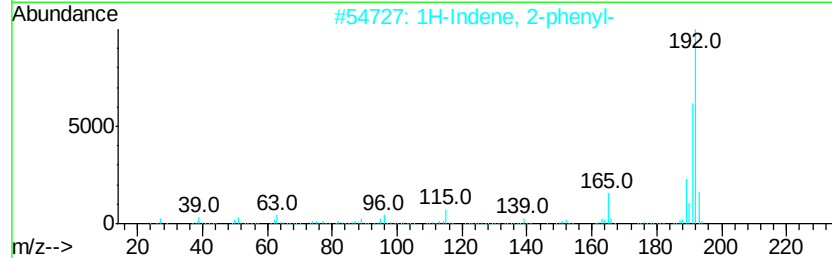
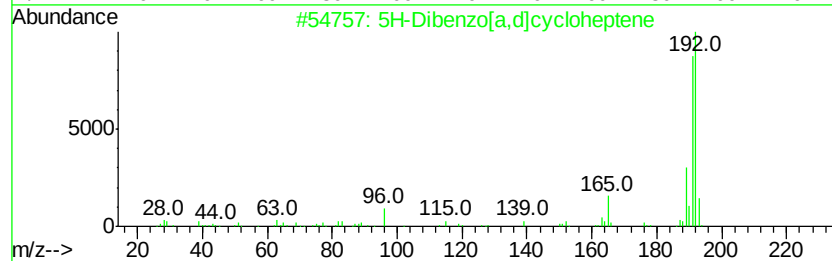
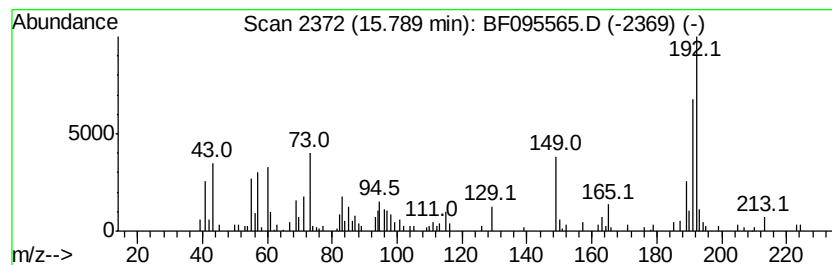
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 5H-Dibenzo[a,d]cycloheptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	7.76 ng	381233	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4		1H-Cyclopropa[all]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095565.D
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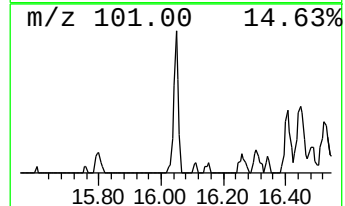
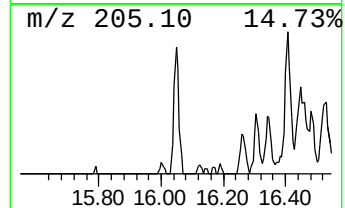
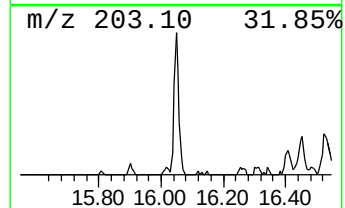
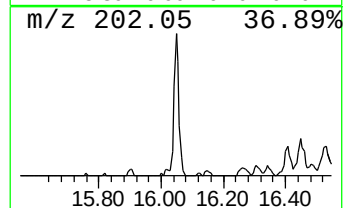
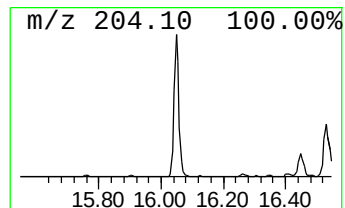
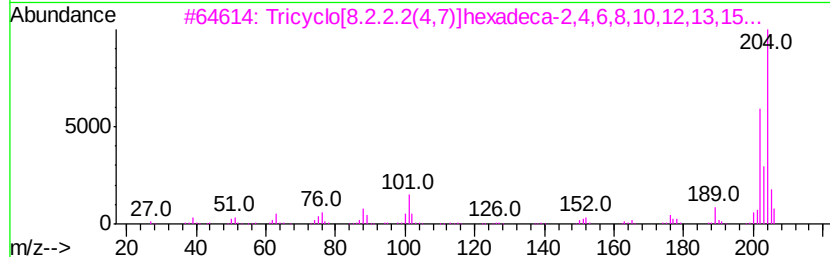
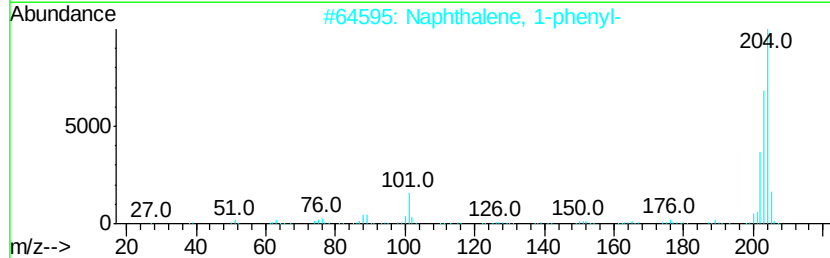
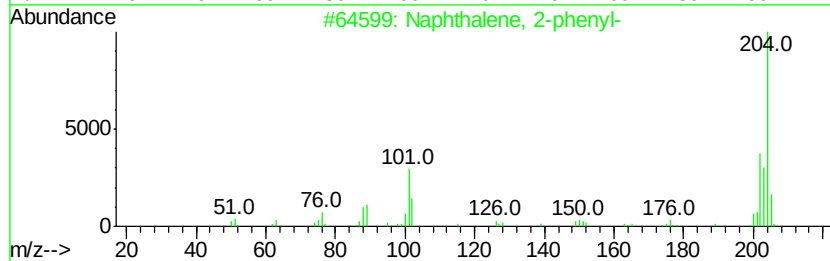
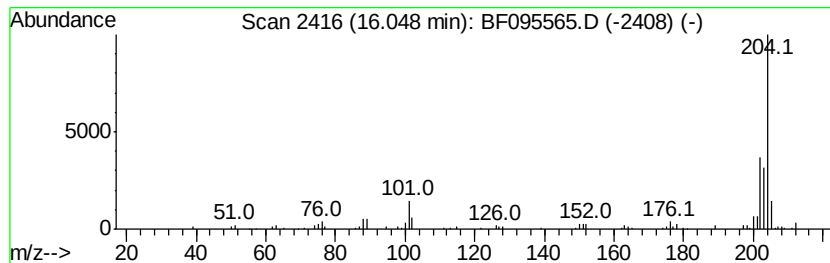
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	3.68 ng	180497	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4		5,16[1',2'l:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52



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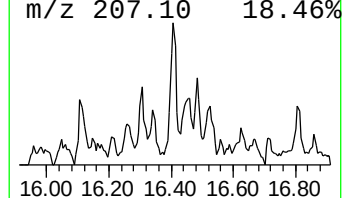
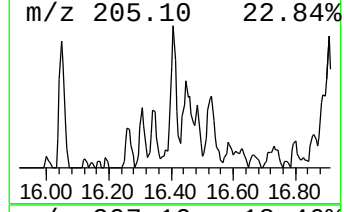
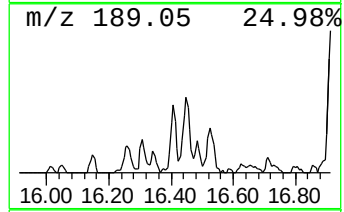
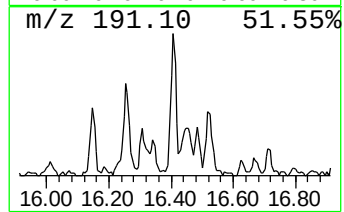
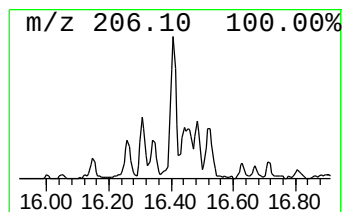
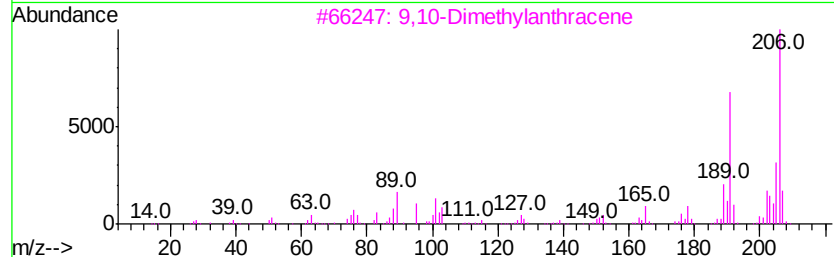
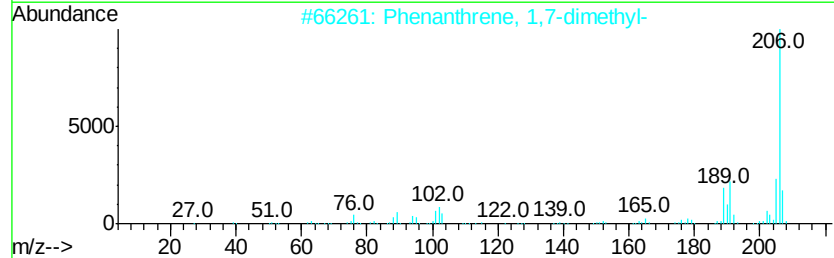
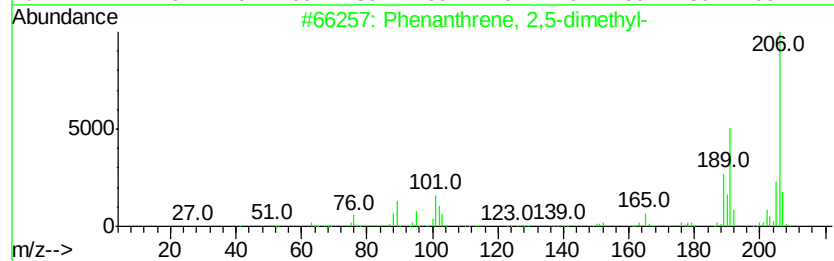
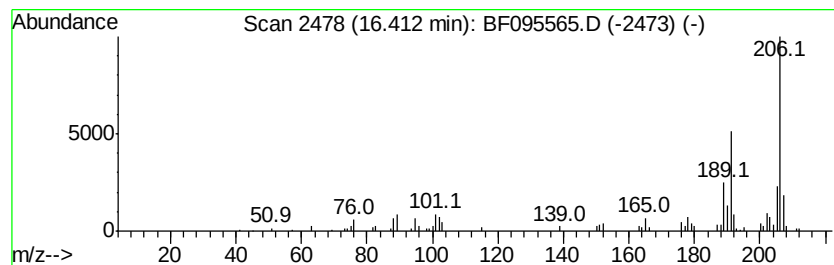
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.99 ng	146920	Phenanthrene-d10	14.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91



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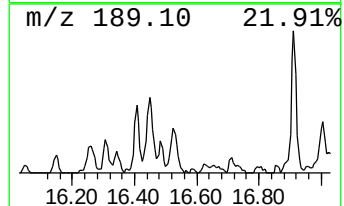
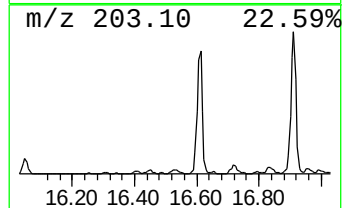
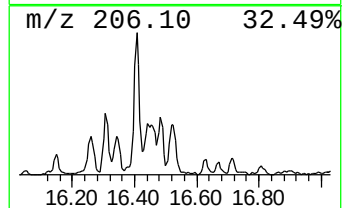
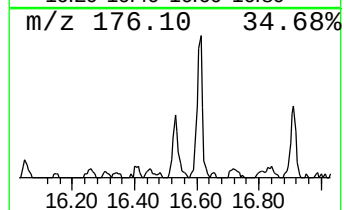
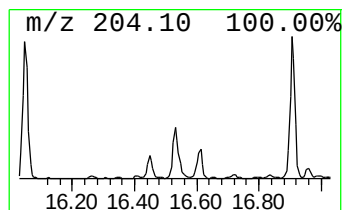
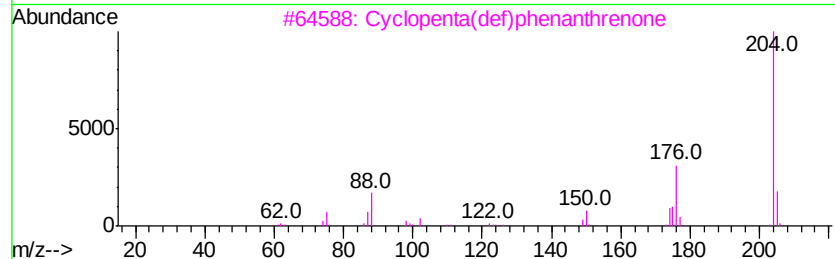
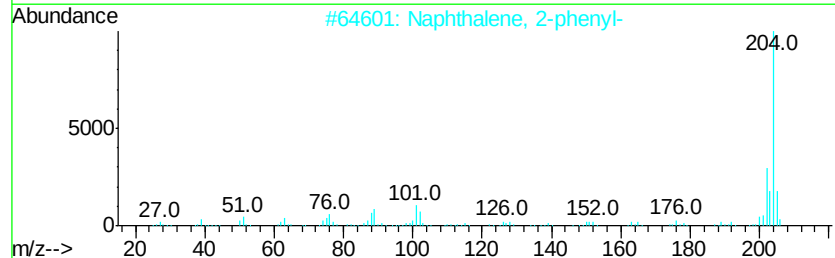
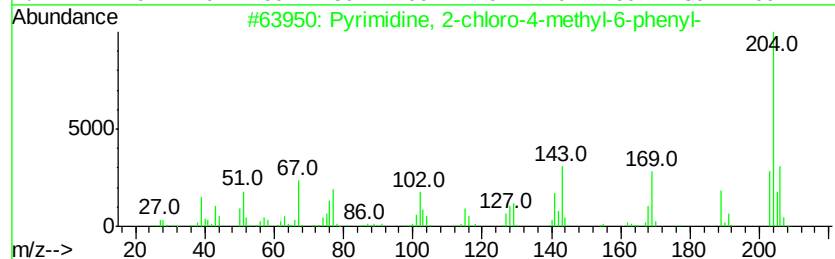
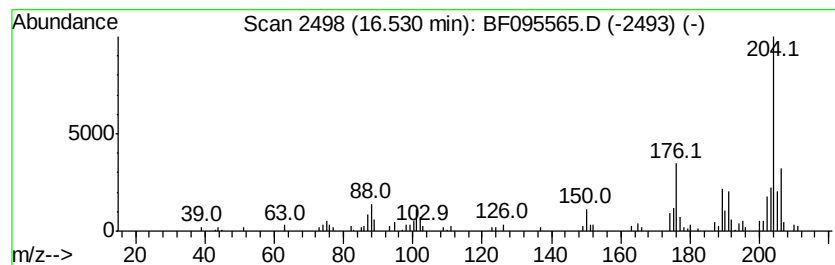
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrimidine, 2-chloro-4-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.53	2.83 ng	138759	Phenanthrene-d10		14.81
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	50
4	[1,1'-Biphenyl]-2-ol, 3-chloro-	204	C12H9ClO	000085-97-2	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
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Acq On : 31 May 2017 15:51
Operator : SJ/MA
Sample : I3329-01
Misc :
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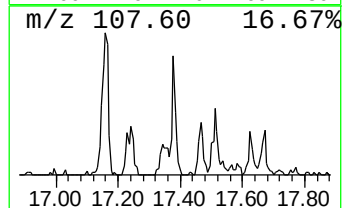
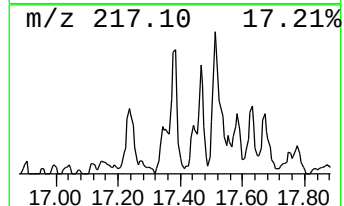
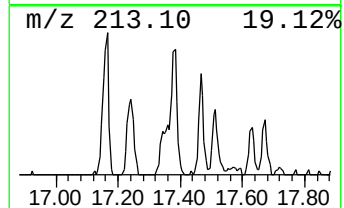
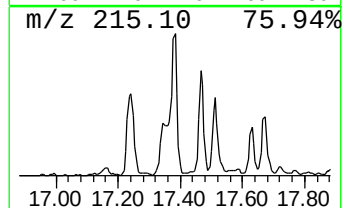
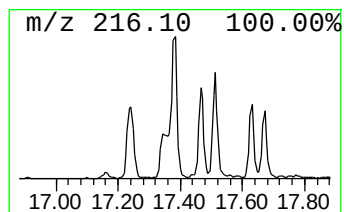
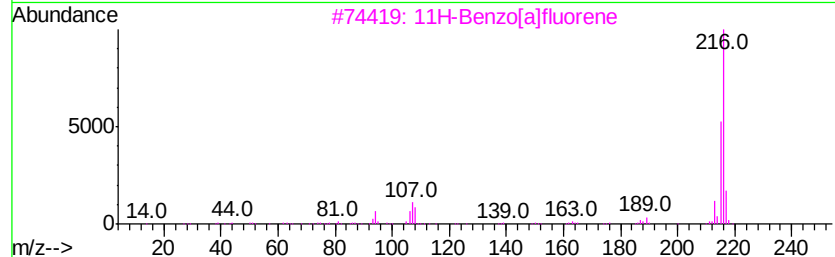
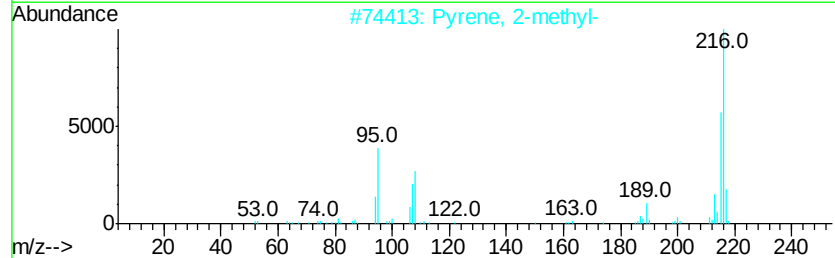
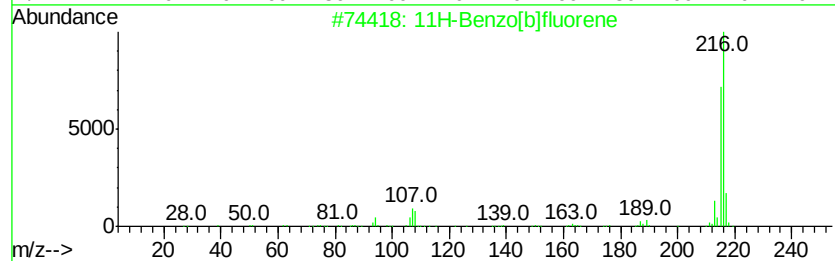
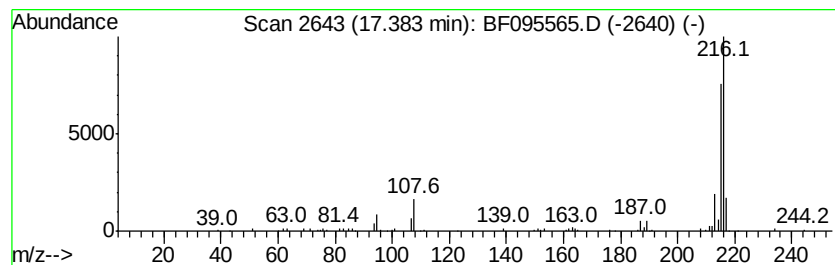
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	2.68 ng	219085	Chrysene-d12	18.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 95
2		Pyrene, 2-methyl-	216 C17H12	003442-78-2 91
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
4		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 81
5		Pyrene, 1-methyl-	216 C17H12	002381-21-7 80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095565.D
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ClientSampleId :
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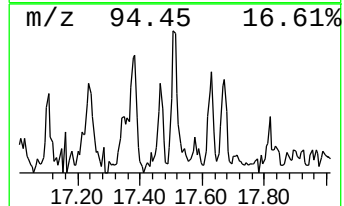
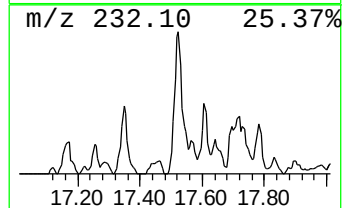
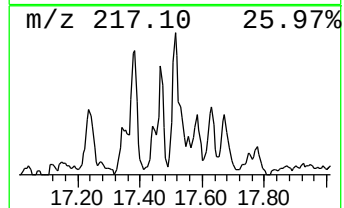
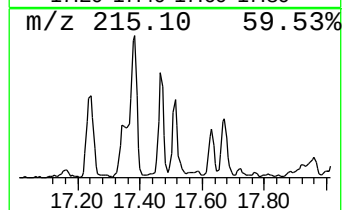
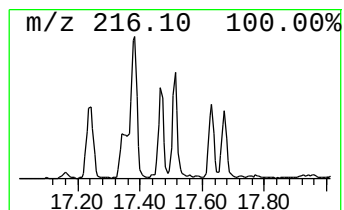
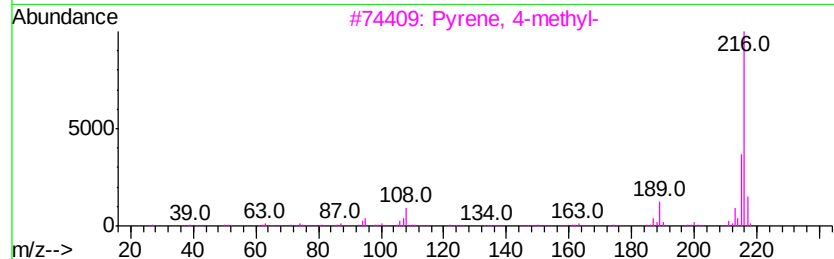
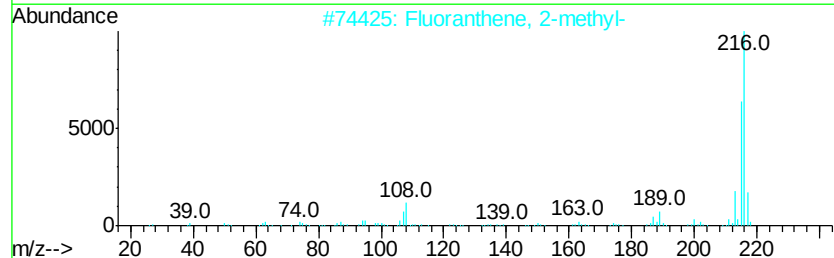
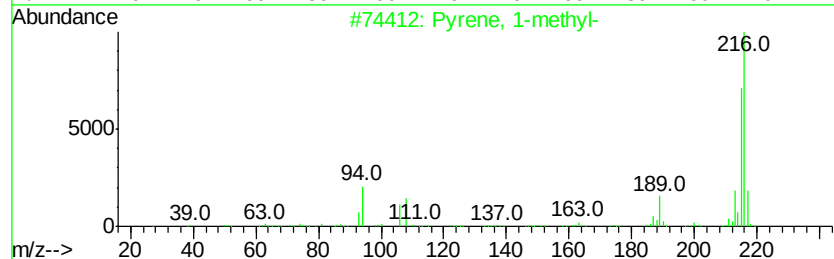
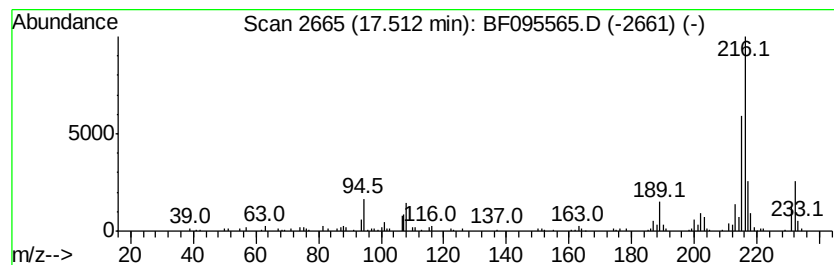
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	3.80 ng	310691	Chrysene-d12	18.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64



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Data File : BF095565.D
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Operator : SJ/MA
Sample : I3329-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

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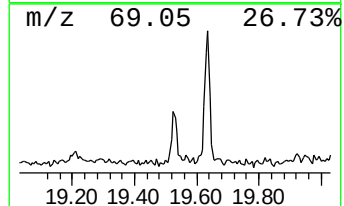
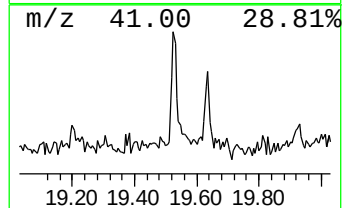
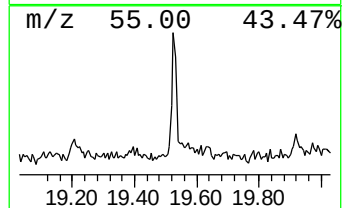
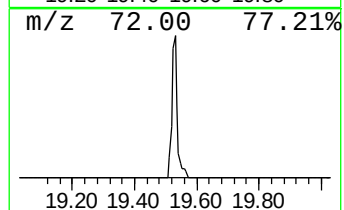
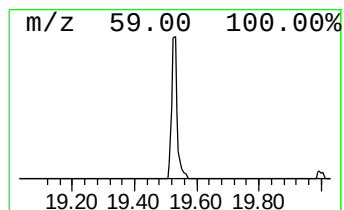
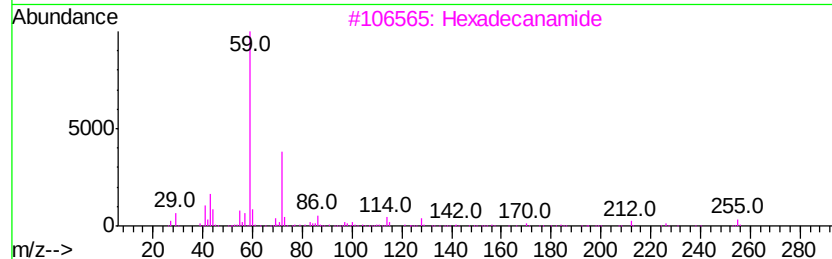
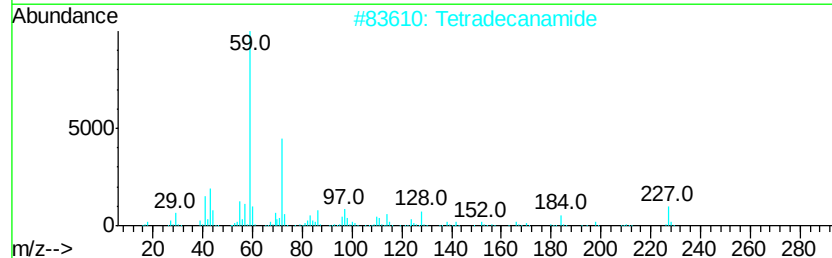
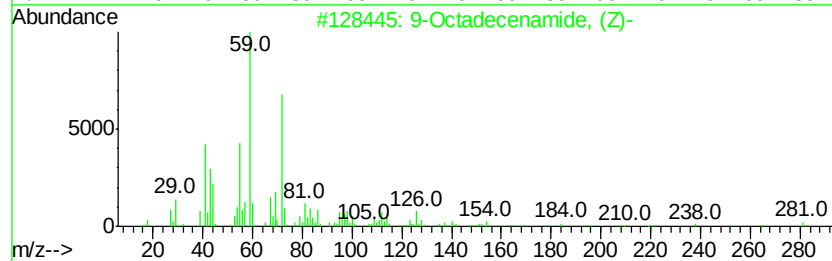
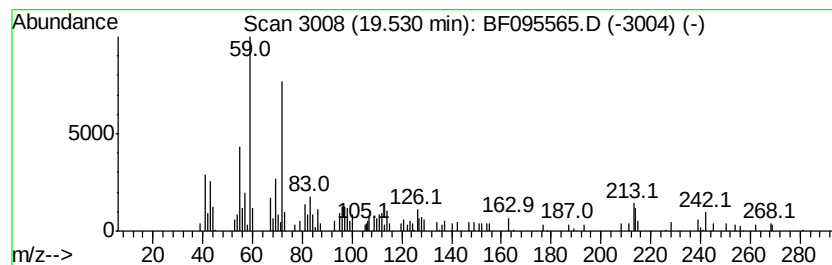
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9-Octadecenamide, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	3.82 ng	108763	Perylene-d12	20.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	68
2		Tetradecanamide	227	C14H29NO	000638-58-4	47
3		Hexadecanamide	255	C16H33NO	000629-54-9	47
4		Dodecanamide	199	C12H25NO	001120-16-7	38
5		Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
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Sample : I3329-01
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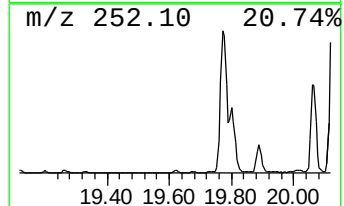
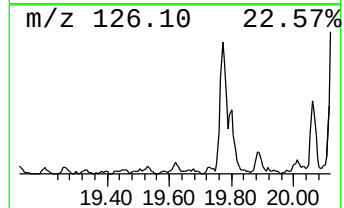
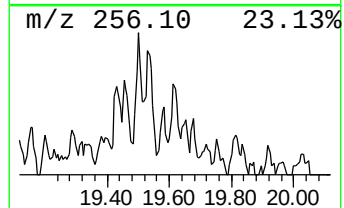
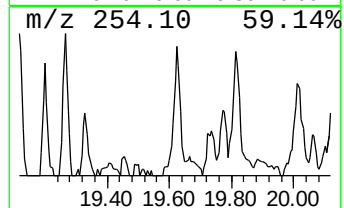
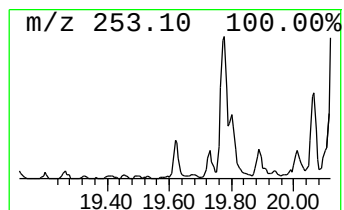
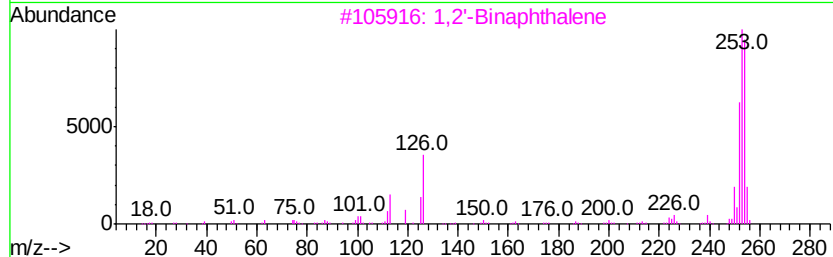
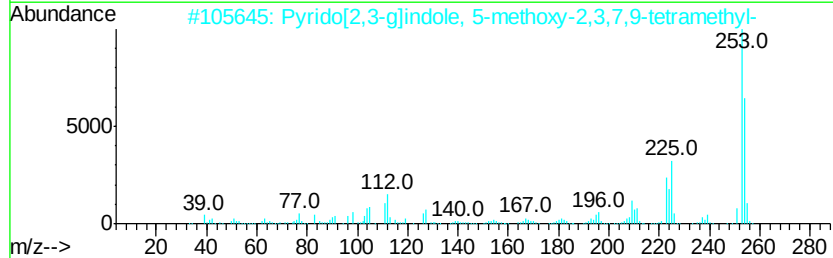
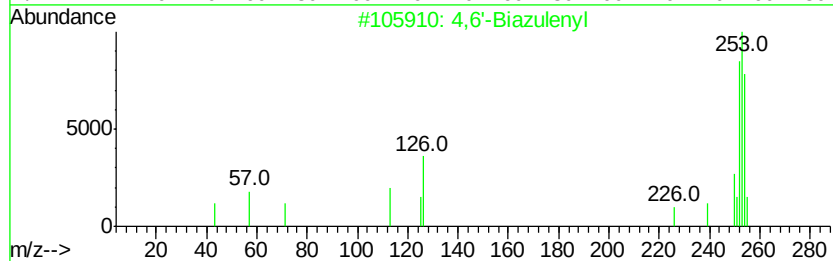
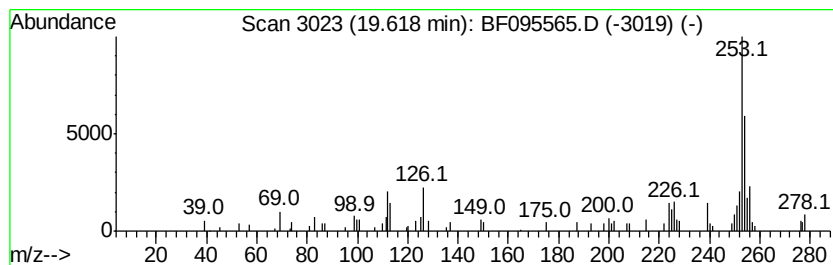
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 4,6'-Biazulenyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.95 ng	83984	Perylene-d12	20.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		4,6'-Biazulenyl	254 C20H14	094154-49-1 58
2		Pyrido[2,3-g]indole, 5-methoxy-2...	254 C16H18N2O	201991-45-9 58
3		1,2'-Binaphthalene	254 C20H14	004325-74-0 53
4		Benz(a)anthracene-7-carbonitrile	253 C19H11N	007476-08-6 50
5		4,5-Dihydrobenzo[e]pyrene	254 C20H14	095676-42-9 50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
Data File : BF095565.D
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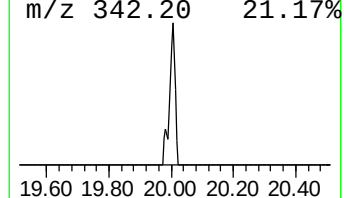
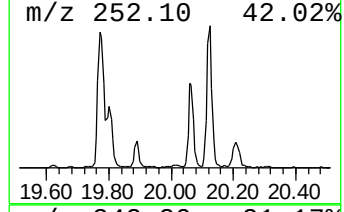
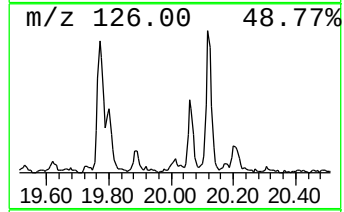
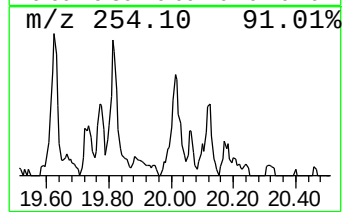
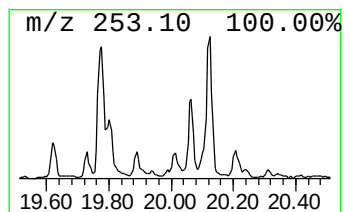
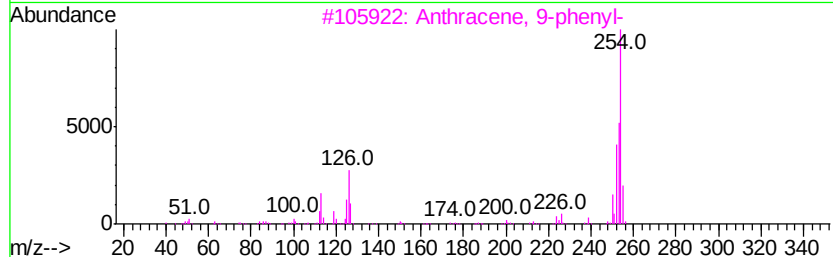
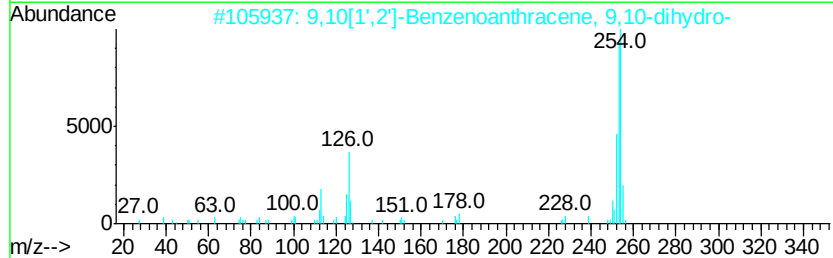
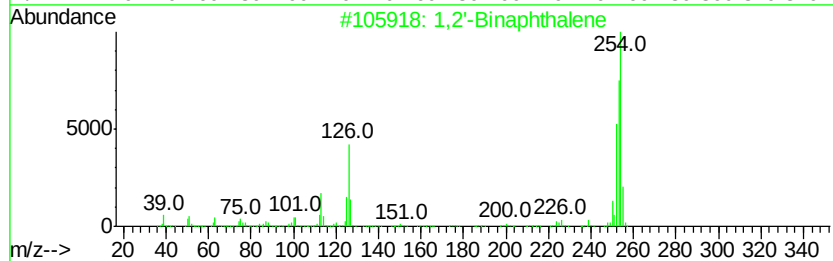
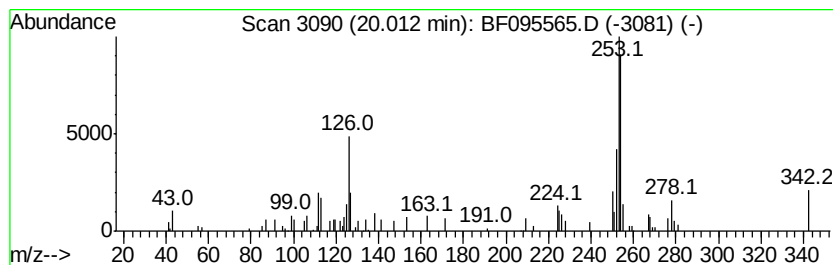
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,2'-Binaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	3.63 ng	103468	Perylene-d12	20.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
3		Anthracene, 9-phenyl-	254	C20H14	000602-55-1	55
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	53
5		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	49



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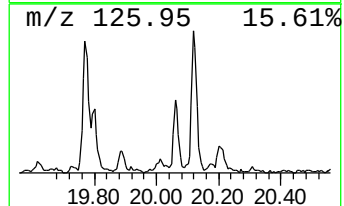
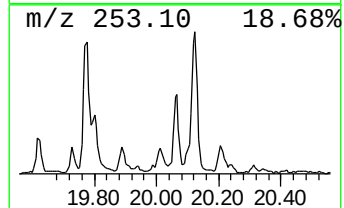
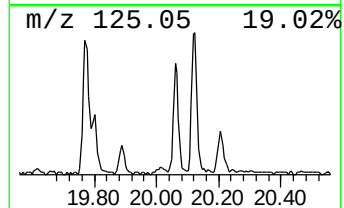
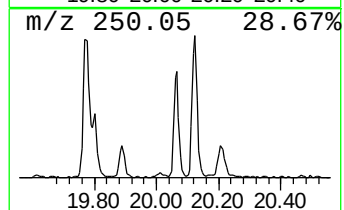
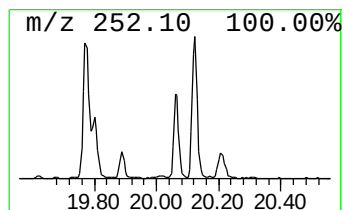
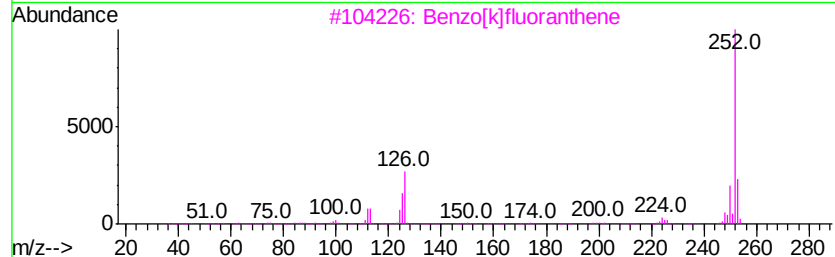
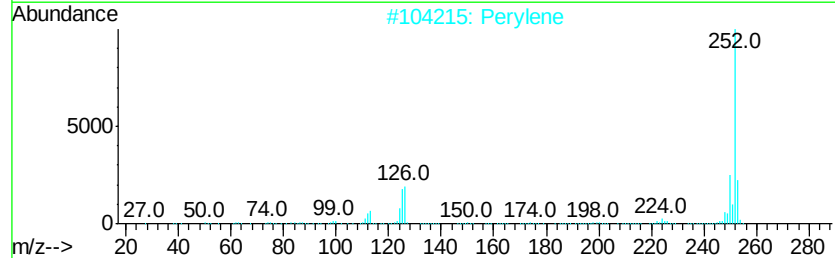
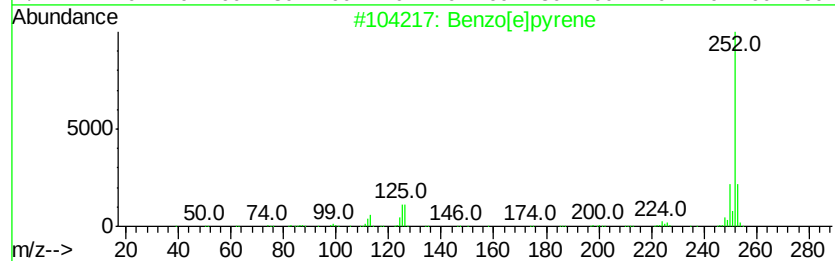
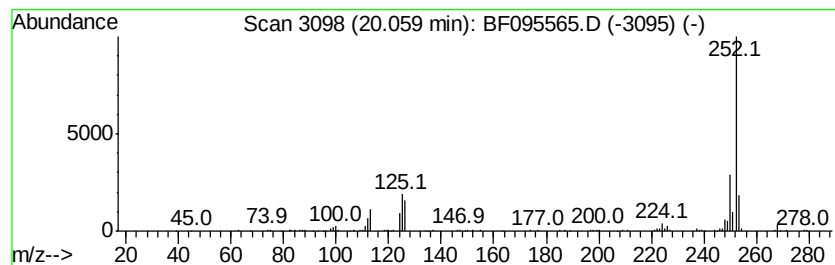
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	9.69 ng	275908	Perylene-d12	20.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	96
2	Perylene	252 C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252 C20H12	000207-08-9	93
4	Benzo[e]acephenanthrylene	252 C20H12	000205-99-2	93
5	Benzo[a]pyrene	252 C20H12	000050-32-8	86



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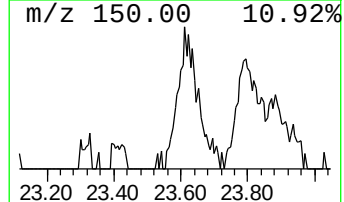
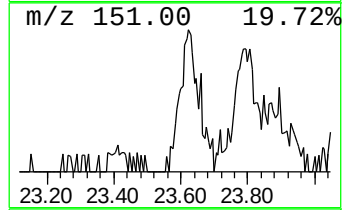
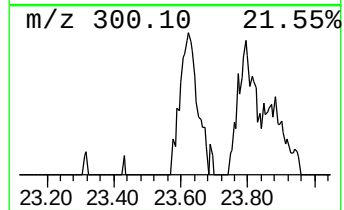
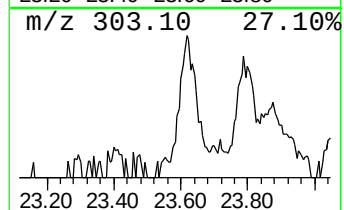
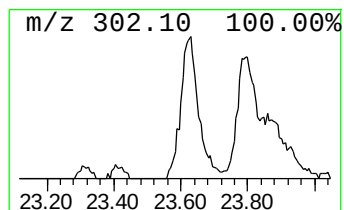
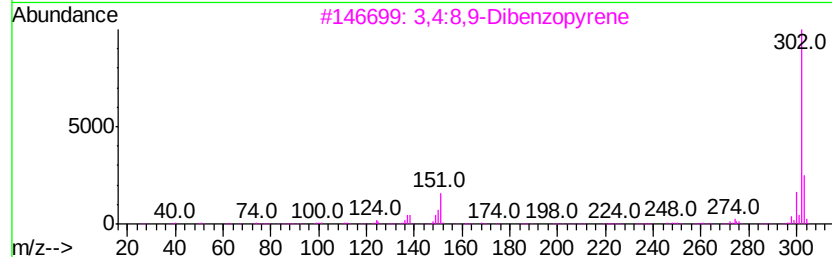
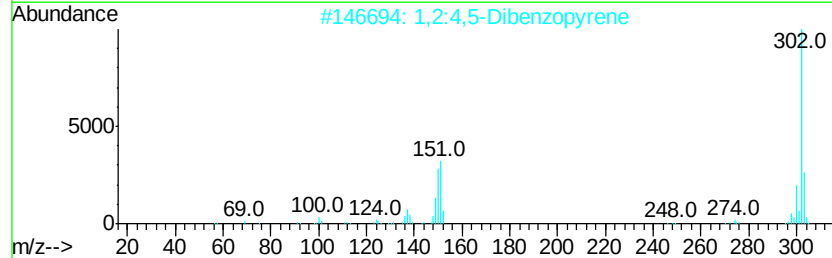
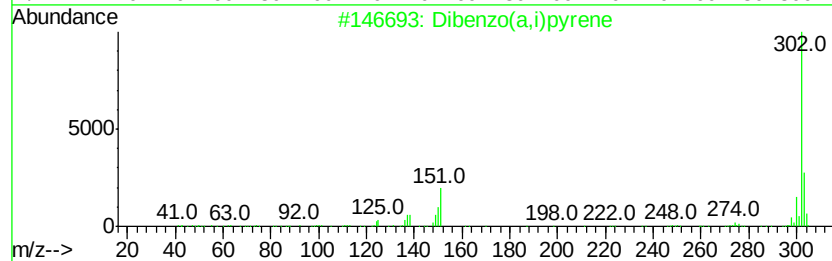
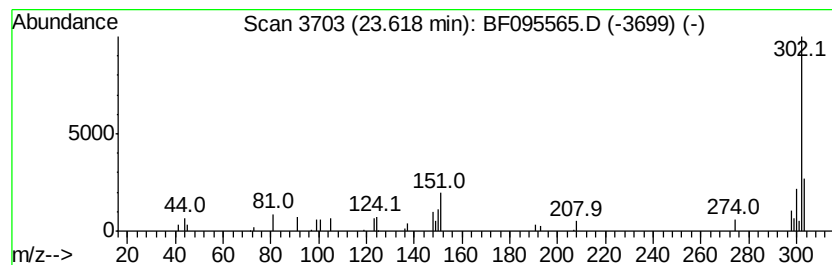
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo(a,i)pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.62	2.56 ng	72881	Perylene-d12	20.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	64
2		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
3		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	58
4		1,2,9,10-Dibenzopyrene	302	C24H14	000191-30-0	58
5		1H-Imidazo[4,5-b]phenazine, 2-(2...	302	C17H10N4S	1000319-15-8	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053117\
 Data File : BF095565.D
 Acq On : 31 May 2017 15:51
 Operator : SJ/MA
 Sample : I3329-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15(3-9)

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.82	10.1 ng		303018	1	7.55	599886	20.0
unknown7.21	7.21	113.0 ng		3388100	1	7.55	599886	20.0
Dibenzothiophene	14.64	2.5 ng		122884	4	14.81	981967	20.0
Anthracene, 2-met...	15.60	5.2 ng		254978	4	14.81	981967	20.0
Phenanthrene, 2-m...	15.64	6.3 ng		308441	4	14.81	981967	20.0
4H-Cyclopenta[def...	15.75	7.3 ng		358272	4	14.81	981967	20.0
5H-Dibenzo[a,d]cy...	15.79	7.8 ng		381233	4	14.81	981967	20.0
Naphthalene, 2-ph...	16.05	3.7 ng		180497	4	14.81	981967	20.0
Phenanthrene, 2,5...	16.41	3.0 ng		146920	4	14.81	981967	20.0
Pyrimidine, 2-chl...	16.53	2.8 ng		138759	4	14.81	981967	20.0
11H-Benzo[b]fluorene	17.38	2.7 ng		219085	5	18.51	1635180	20.0
Pyrene, 1-methyl-	17.51	3.8 ng		310691	5	18.51	1635180	20.0
9-Octadecenamide, ...	19.53	3.8 ng		108763	6	20.18	569328	20.0
4,6'-Biazulenyl	19.62	3.0 ng		83984	6	20.18	569328	20.0
1,2'-Binaphthalene	20.01	3.6 ng		103468	6	20.18	569328	20.0
Benzo[e]pyrene	20.06	9.7 ng		275908	6	20.18	569328	20.0
Dibenzo(a,i)pyrene	23.62	2.6 ng		72881	6	20.18	569328	20.0