

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094814.D
 Acq On : 3 May 2017 2:16
 Operator : SJ/MA
 Sample : I2923-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.042	523	528	548	rVB	207918	385126	8.39%	0.619%
2	5.554	611	615	618	rBV	118947	159444	3.47%	0.256%
3	5.678	631	636	663	rBV	1776131	2583325	56.26%	4.155%
4	5.942	676	681	690	rVB2	76822	106163	2.31%	0.171%
5	6.166	715	719	729	rBV	102734	177690	3.87%	0.286%
6	7.278	902	908	922	rBV	1780291	2580280	56.19%	4.150%
7	7.395	922	928	937	rVV	2147069	2739197	59.65%	4.406%
8	7.472	937	941	944	rVV2	117154	160556	3.50%	0.258%
9	7.731	980	985	994	rBV	473740	522819	11.39%	0.841%
10	7.966	1020	1025	1030	rBV	1642668	1967467	42.84%	3.165%
11	8.130	1048	1053	1064	rBV	579787	686962	14.96%	1.105%
12	8.625	1131	1137	1141	rBV	1136804	1493854	32.53%	2.403%
13	8.854	1169	1176	1180	rBV2	71292	126386	2.75%	0.203%
14	9.372	1257	1264	1268	rVV3	79722	138417	3.01%	0.223%
15	9.748	1323	1328	1331	rBV	597291	804169	17.51%	1.293%
16	9.795	1331	1336	1339	rVB	3466942	4592102	100.00%	7.386%
17	9.860	1344	1347	1354	rVV	313422	349552	7.61%	0.562%
18	10.048	1375	1379	1390	rBV3	119819	254924	5.55%	0.410%
19	10.724	1490	1494	1502	rBV	171816	212782	4.63%	0.342%
20	10.907	1520	1525	1534	rBV	976175	1073228	23.37%	1.726%
21	11.060	1542	1551	1555	rVV	706077	832702	18.13%	1.339%
22	11.524	1624	1630	1634	rBV	2279320	2587610	56.35%	4.162%
23	11.671	1652	1655	1660	rVB	179542	180451	3.93%	0.290%
24	11.924	1692	1698	1699	rBV	178094	214122	4.66%	0.344%
25	12.048	1714	1719	1722	rBV	270915	350419	7.63%	0.564%
26	12.089	1722	1726	1734	rVB	195062	246394	5.37%	0.396%
27	12.207	1741	1746	1749	rBV	305416	380569	8.29%	0.612%
28	12.342	1765	1769	1780	rBV	541582	747059	16.27%	1.202%
29	12.577	1799	1809	1814	rBV2	689782	924183	20.13%	1.487%
30	12.624	1814	1817	1823	rVB	397041	472639	10.29%	0.760%
31	12.913	1861	1866	1870	rBV	640841	810490	17.65%	1.304%
32	13.395	1944	1948	1951	rBV2	159786	248868	5.42%	0.400%
33	13.471	1956	1961	1970	rVB	896688	1096553	23.88%	1.764%
34	13.742	2003	2007	2017	rBV2	176722	291218	6.34%	0.468%

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

35	13.824	2017	2021	2024	rVV2	115820	142023	3.09%	0.228%
36	13.877	2024	2030	2036	rVV2	1412182	1903390	41.45%	3.062%
37	14.371	2107	2114	2117	rBV	131881	225384	4.91%	0.363%
38	14.412	2117	2121	2126	rVB2	88819	115054	2.51%	0.185%
39	14.495	2131	2135	2142	rVB	85715	133751	2.91%	0.215%
40	14.601	2147	2153	2156	rBV3	94719	140167	3.05%	0.225%
41	14.771	2175	2182	2185	rBV2	84479	128264	2.79%	0.206%
42	14.807	2185	2188	2203	rVB	219252	350723	7.64%	0.564%
43	14.977	2212	2217	2220	rBV	599159	797356	17.36%	1.283%
44	15.024	2220	2225	2229	rVB	2423822	2996251	65.25%	4.819%
45	15.101	2232	2238	2243	rVB	1031526	1252894	27.28%	2.015%
46	15.165	2243	2249	2252	rBV2	100615	148296	3.23%	0.239%
47	15.377	2280	2285	2290	rBV	430997	554590	12.08%	0.892%
48	15.465	2296	2300	2303	rBV	101321	142024	3.09%	0.228%
49	15.759	2345	2350	2353	rBV	307129	347565	7.57%	0.559%
50	15.795	2353	2356	2360	rVV	362206	435055	9.47%	0.700%
51	15.865	2364	2368	2371	rBV	258262	264168	5.75%	0.425%
52	15.906	2371	2375	2379	rVV2	574096	703378	15.32%	1.131%
53	15.948	2379	2382	2386	rVB	282782	309879	6.75%	0.498%
54	16.201	2421	2425	2433	rVB	292468	356062	7.75%	0.573%
55	16.418	2456	2462	2465	rBV3	80711	138807	3.02%	0.223%
56	16.553	2478	2485	2488	rBV	174556	253341	5.52%	0.407%
57	16.595	2488	2492	2496	rVV2	129341	206601	4.50%	0.332%
58	16.671	2501	2505	2512	rVV3	83548	149055	3.25%	0.240%
59	16.759	2515	2520	2524	rVV	1846550	2287827	49.82%	3.680%
60	16.801	2524	2527	2532	rVB2	86397	118171	2.57%	0.190%
61	16.853	2532	2536	2539	rBV2	142640	164394	3.58%	0.264%
62	16.889	2539	2542	2548	rVB	325271	372189	8.10%	0.599%
63	16.953	2549	2553	2557	rBV3	81769	107890	2.35%	0.174%
64	17.059	2565	2571	2575	rBV	1882287	2350333	51.18%	3.780%
65	17.142	2580	2585	2588	rVV3	81683	124733	2.72%	0.201%
66	17.242	2598	2602	2606	rBV	112898	122597	2.67%	0.197%
67	17.306	2607	2613	2618	rVV	1867032	2079654	45.29%	3.345%
68	17.377	2622	2625	2629	rVV	120242	162401	3.54%	0.261%
69	17.495	2637	2645	2646	rBV4	147969	266399	5.80%	0.428%
70	17.518	2646	2649	2655	rVB	489913	547845	11.93%	0.881%
71	17.606	2660	2664	2668	rBV	433090	443372	9.66%	0.713%

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72	17.653	2668	2672	2678	rBV2	202711	287967	6.27%	0.463%
73	17.765	2688	2691	2695	rVV2	170152	229200	4.99%	0.369%
74	17.806	2695	2698	2710	rVB	150612	268215	5.84%	0.431%
75	18.159	2753	2758	2764	rBV	65527	120148	2.62%	0.193%
76	18.318	2778	2785	2788	rBV	103124	152584	3.32%	0.245%
77	18.353	2788	2791	2793	rVV	188845	205079	4.47%	0.330%
78	18.377	2793	2795	2798	rVV	163482	179495	3.91%	0.289%
79	18.553	2820	2825	2831	rBV2	52283	109693	2.39%	0.176%
80	18.636	2833	2839	2843	rVV2	1085815	1899614	41.37%	3.055%
81	18.677	2843	2846	2849	rVV	877802	969701	21.12%	1.560%
82	18.771	2858	2862	2865	rVB	136565	151554	3.30%	0.244%
83	18.953	2890	2893	2900	rBV	72289	109115	2.38%	0.176%
84	19.100	2914	2918	2921	rBV	98208	126448	2.75%	0.203%
85	19.142	2921	2925	2930	rVV	202320	284488	6.20%	0.458%
86	19.253	2937	2944	2947	rBV2	136833	190288	4.14%	0.306%
87	19.312	2952	2954	2960	rVB3	78500	104616	2.28%	0.168%
88	19.906	3050	3055	3058	rBV	601397	960334	20.91%	1.545%
89	19.930	3058	3059	3064	rVB	335419	229496	5.00%	0.369%
90	20.012	3070	3073	3077	rVB	190105	200177	4.36%	0.322%
91	20.194	3100	3104	3110	rVV	448106	523209	11.39%	0.842%
92	20.253	3110	3114	3119	rVV	762791	878964	19.14%	1.414%
93	20.306	3119	3123	3126	rVV	536632	607538	13.23%	0.977%
94	20.336	3126	3128	3131	rVV	170840	173710	3.78%	0.279%
95	20.500	3154	3156	3164	rVB5	63487	136835	2.98%	0.220%
96	20.806	3201	3208	3212	rVB5	63657	127182	2.77%	0.205%
97	21.594	3337	3342	3349	rBV2	256690	471841	10.28%	0.759%
98	21.965	3400	3405	3413	rBV	195594	372965	8.12%	0.600%
99	22.177	3436	3441	3448	rBV2	70984	130795	2.85%	0.210%
100	23.882	3724	3731	3739	rVB2	45292	130275	2.84%	0.210%

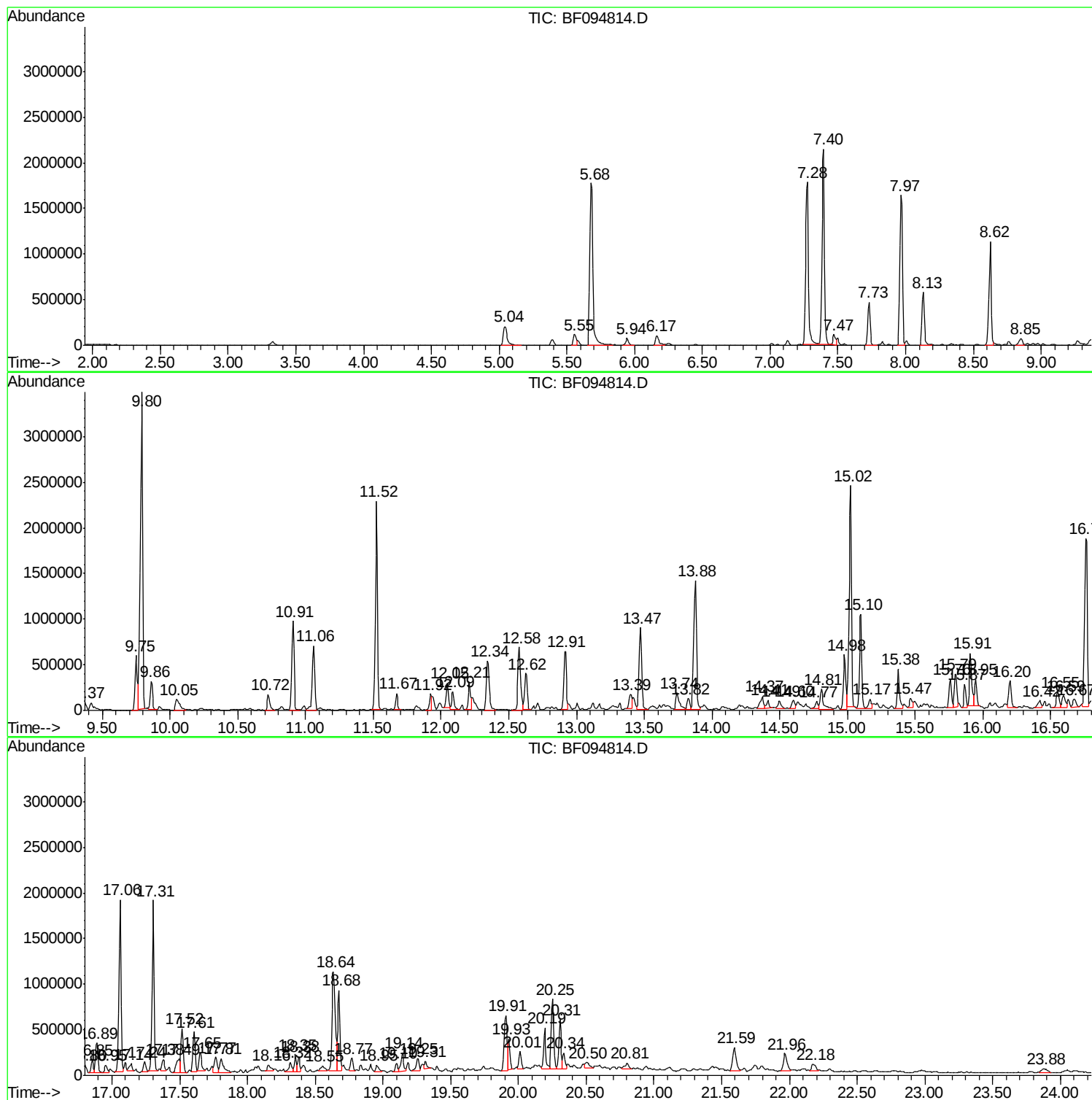
Sum of corrected areas: 62171129

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BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

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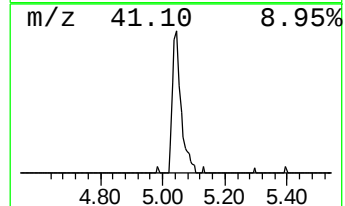
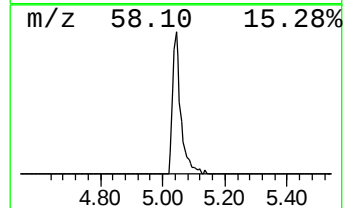
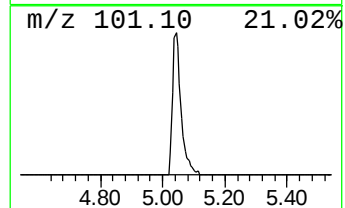
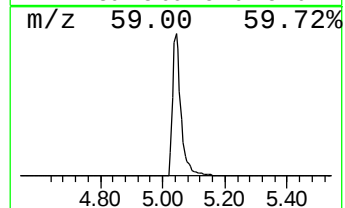
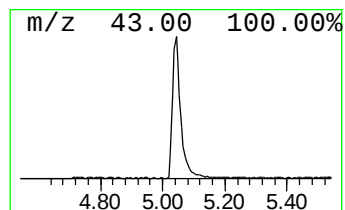
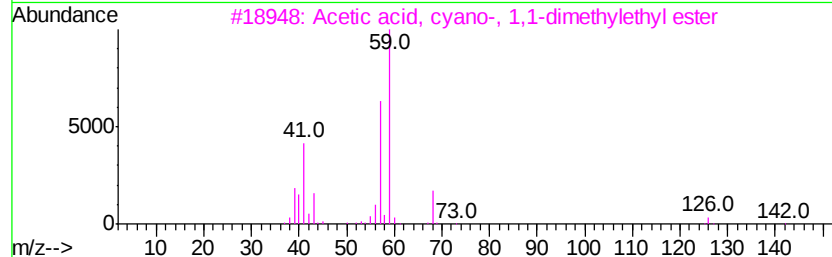
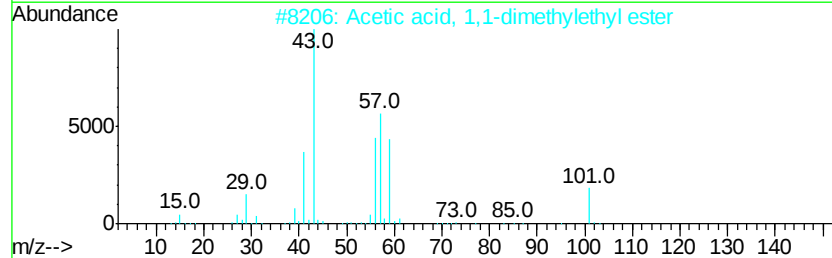
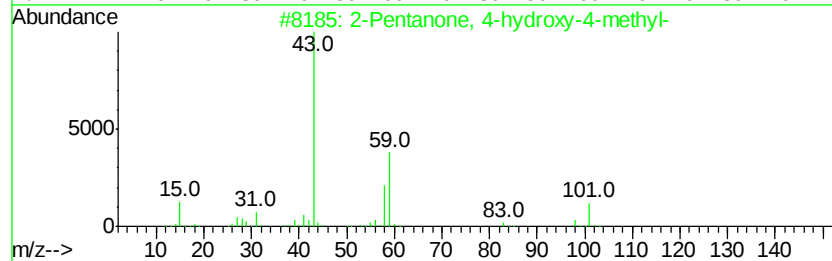
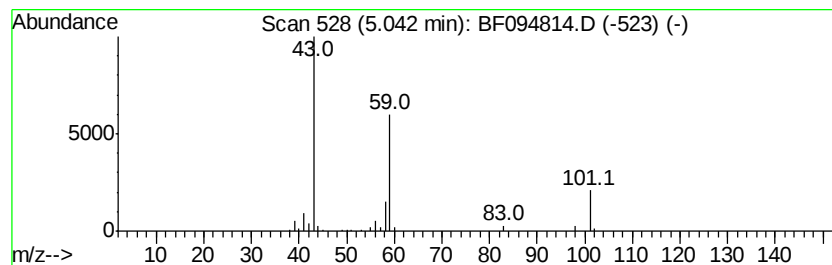
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	14.73 ng	385126	1,4-Dichlorobenzene-d4	7.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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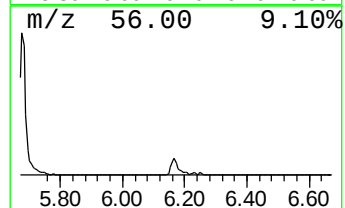
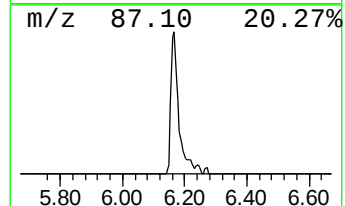
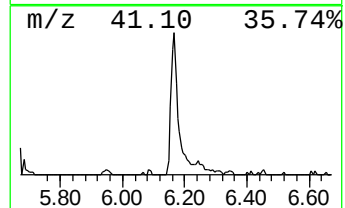
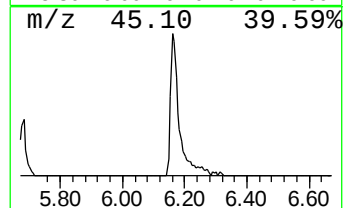
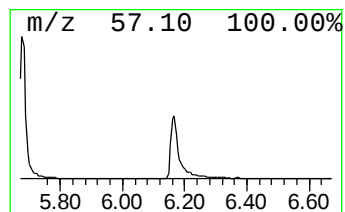
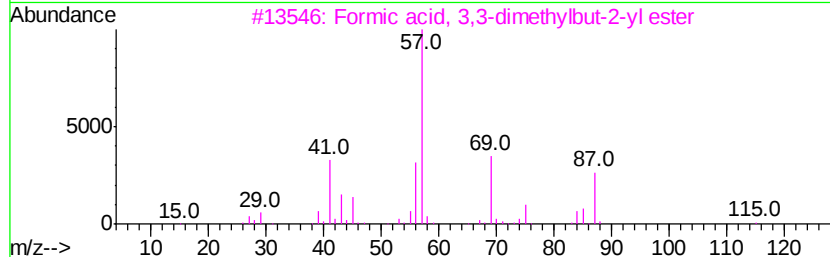
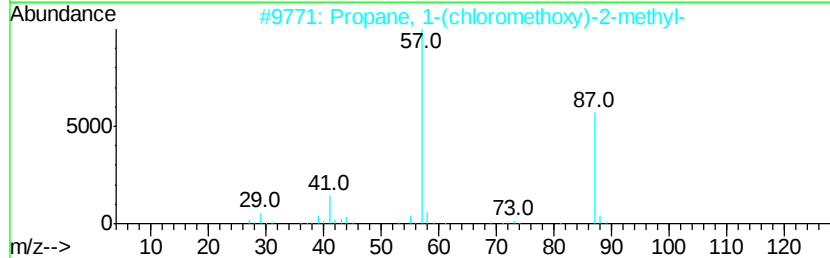
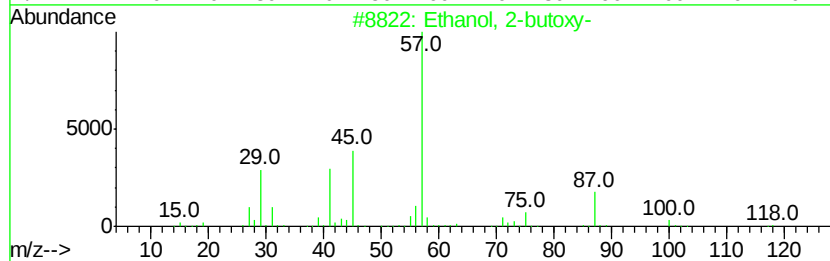
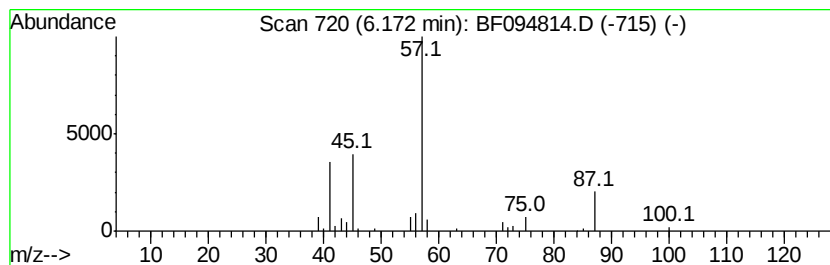
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Ethanol, 2-butoxy- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	6.80 ng	177690	1,4-Dichlorobenzene-d4	7.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2		Propane, 1-(chloromethoxy)-2-met...	122	C5H11ClO	034180-11-5	38
3		Formic acid, 3,3-dimethylbut-2-v...	130	C7H14O2	1000368-20-5	33
4		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	32
5		1-Butene, 4-butoxy-	128	C8H16O	034061-76-2	28



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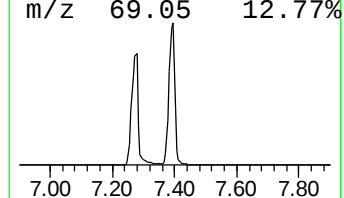
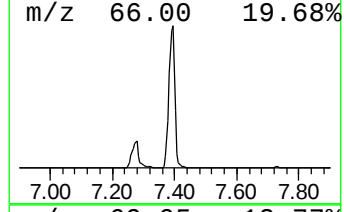
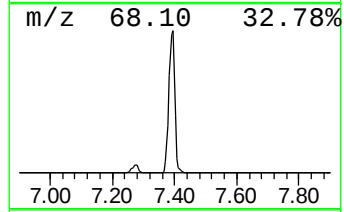
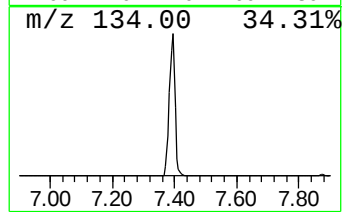
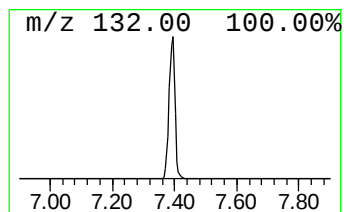
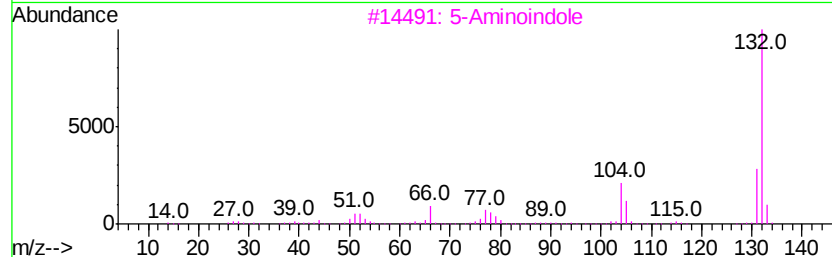
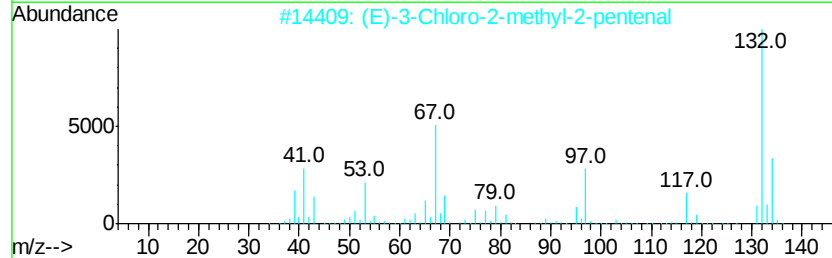
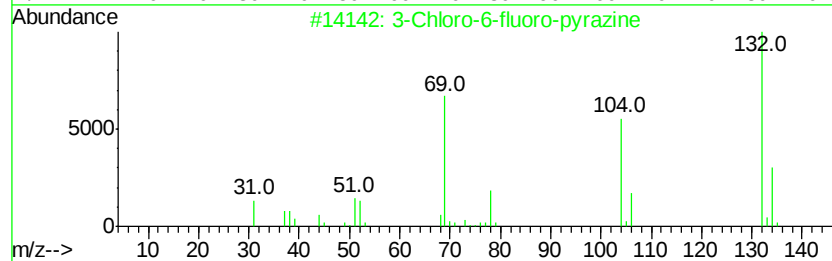
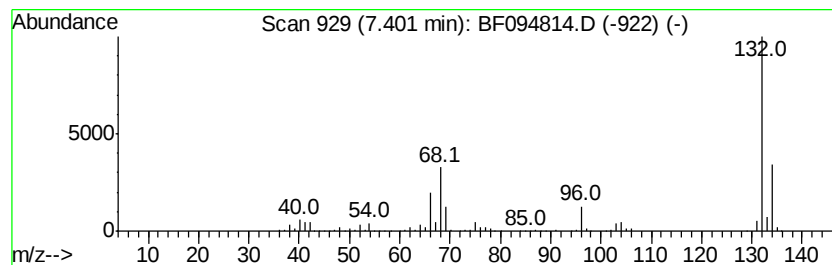
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown7.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	104.79 ng	2739200	1,4-Dichlorobenzene-d4	7.73

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal			132	C6H9ClO	031357-76-3	17
3	5-Aminoindole			132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl			189	C12H15NO	1000123-86-3	12
5	1-Methylpyrrolo[1,2-a]pyrazine			132	C8H8N2	064608-59-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
Data File : BF094814.D
Acq On : 3 May 2017 2:16
Operator : SJ/MA
Sample : I2923-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

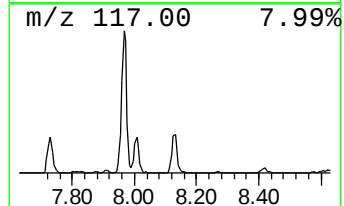
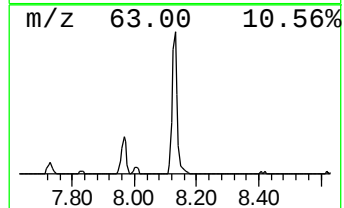
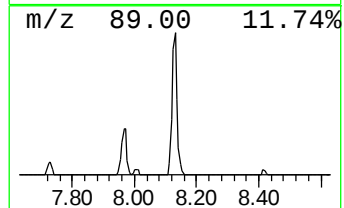
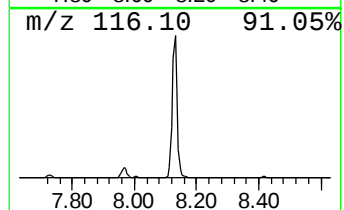
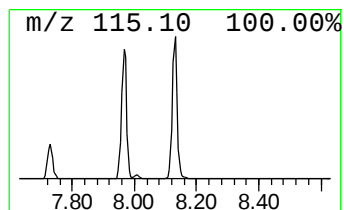
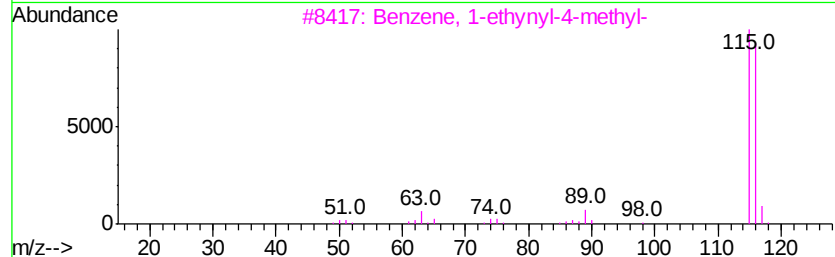
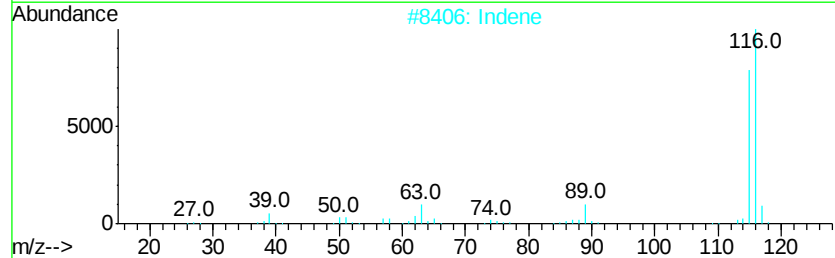
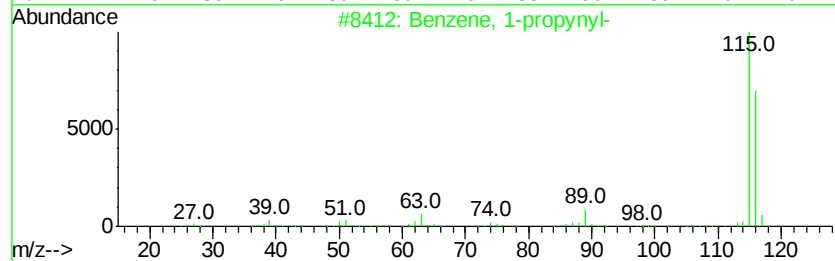
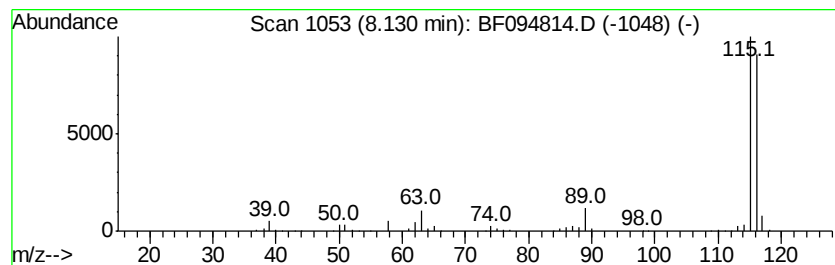
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1-propynyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	26.28 ng	686962	1,4-Dichlorobenzene-d4	7.73

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2		Indene	116	C9H8	000095-13-6	93
3		Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4		3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5		2-Methylphenylacetylene	116	C9H8	000766-47-2	90



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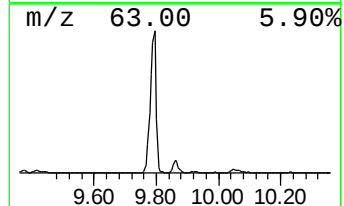
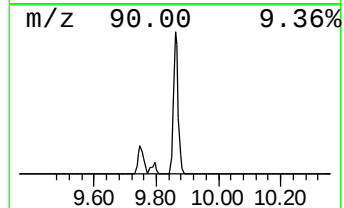
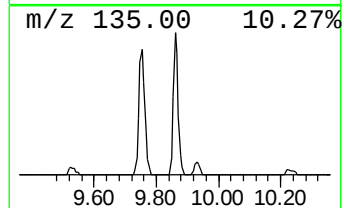
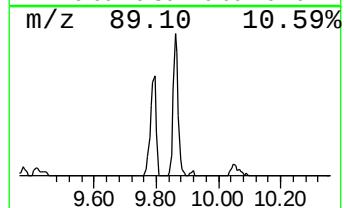
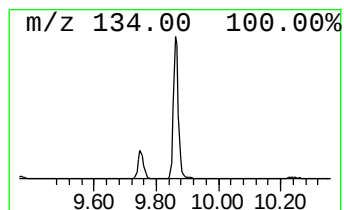
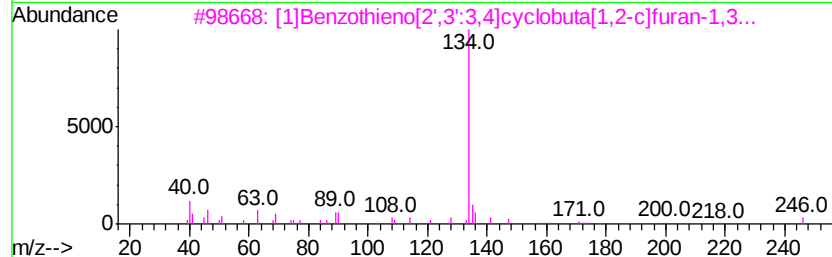
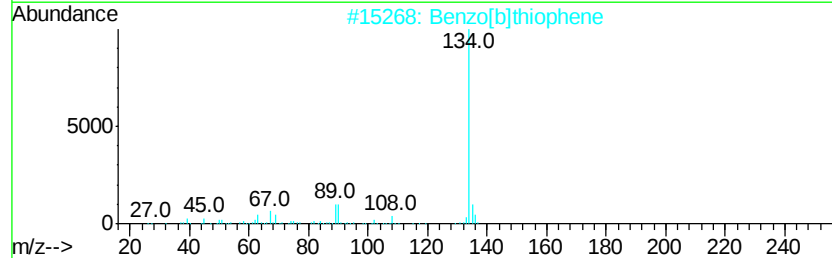
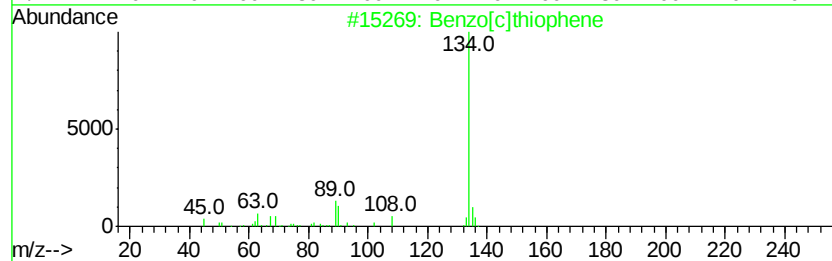
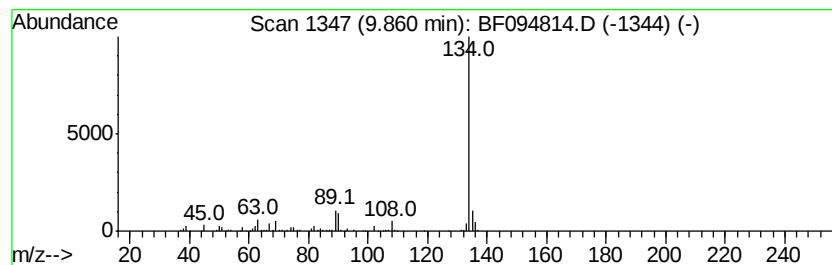
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzo[c]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	8.69 ng	349552	Naphthalene-d8	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3		[1]Benzo[thieno[2',3':3,4]cvclobu...	246	C13H10O3S	034002-19-2	64
4		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	58
5		5H-Pyrrolo(3,2-d)pyrimidin-4-amine	134	C6H6N4	002227-98-7	38



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Sample : I2923-01
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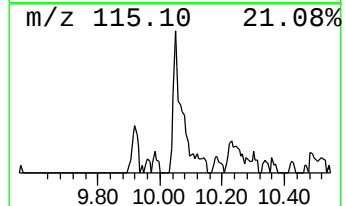
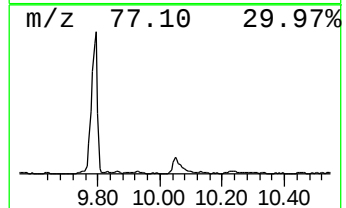
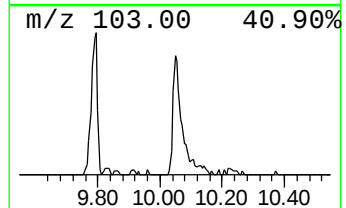
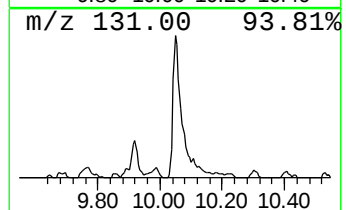
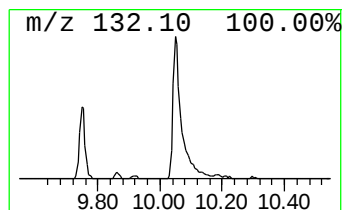
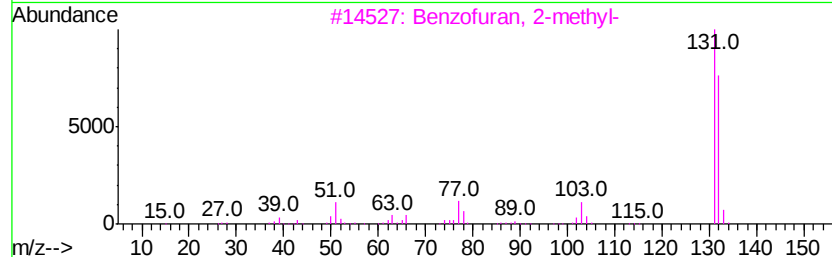
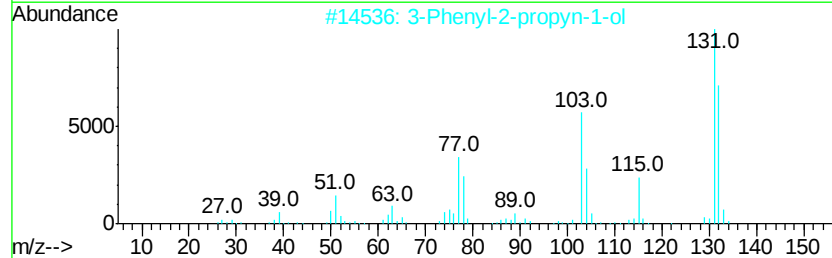
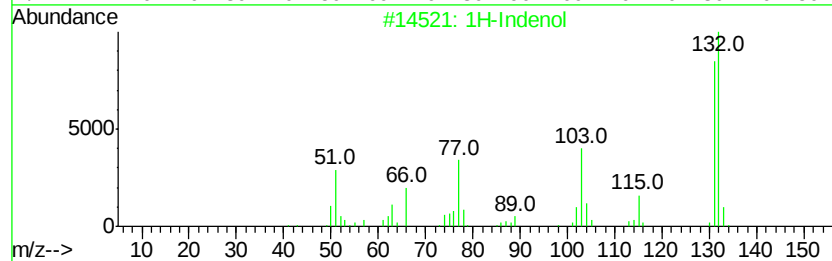
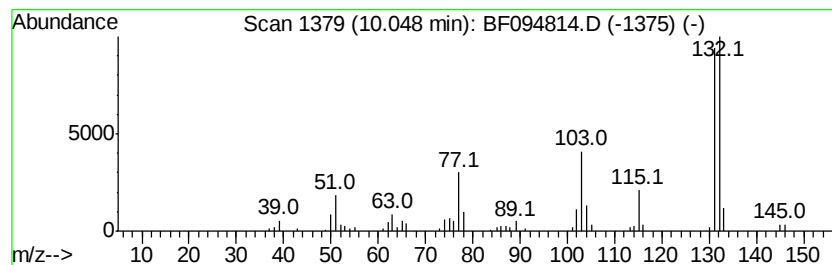
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Indenol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	6.34 ng	254924	Naphthalene-d8	9.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indenol	132 C9H8O	056631-57-3 91
2		3-Phenyl-2-propyn-1-ol	132 C9H8O	001504-58-1 90
3		Benzofuran, 2-methyl-	132 C9H8O	004265-25-2 81
4		Benzene, (2-propynyloxy)-	132 C9H8O	013610-02-1 80
5		Benzofuran, 7-methyl-	132 C9H8O	017059-52-8 76



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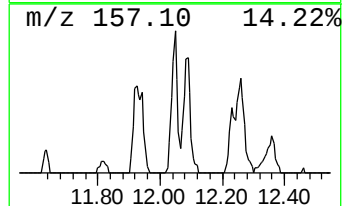
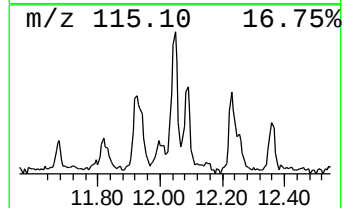
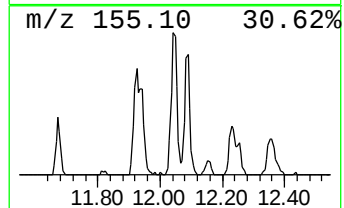
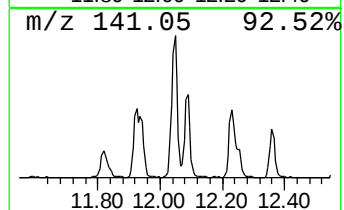
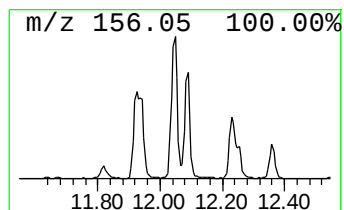
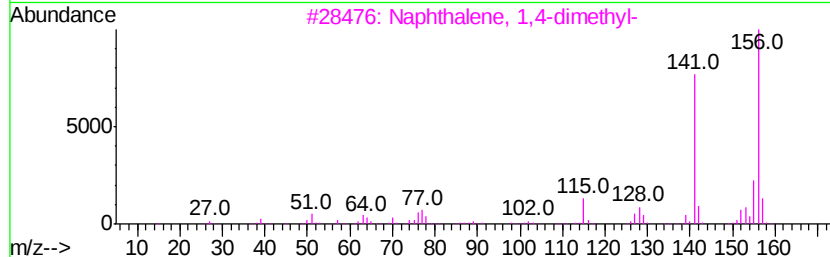
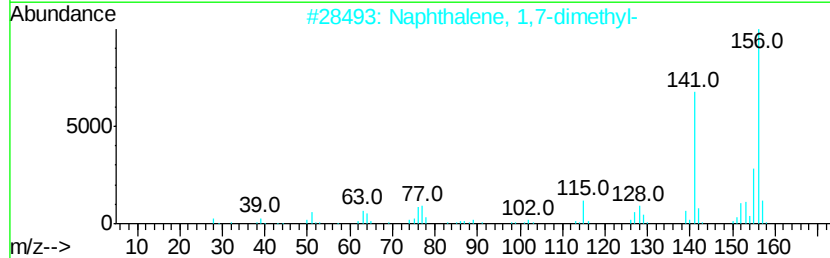
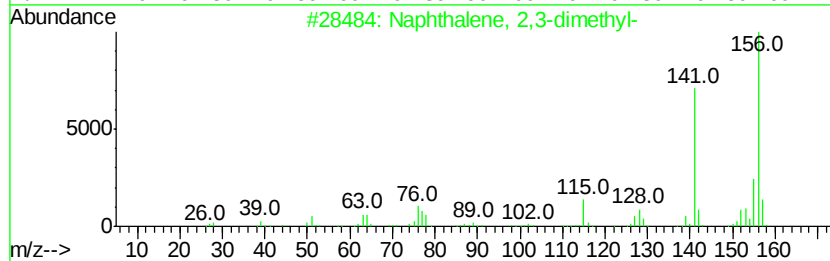
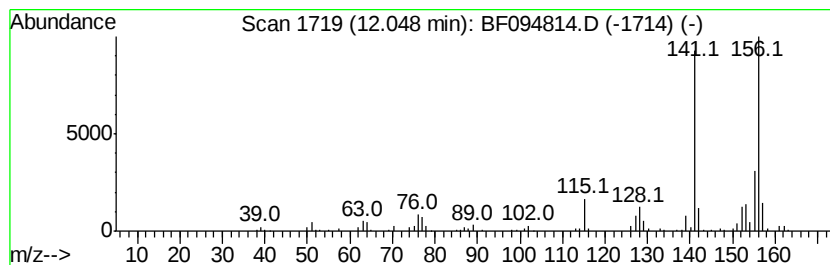
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	7.58 ng	350419	Acenaphthene-d10	12.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



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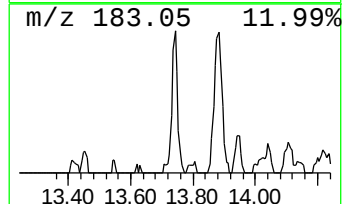
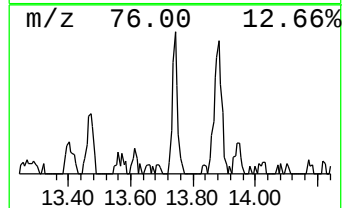
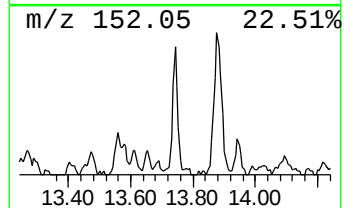
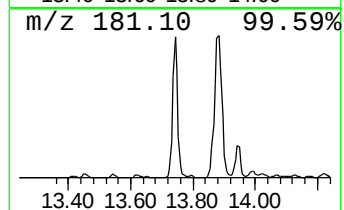
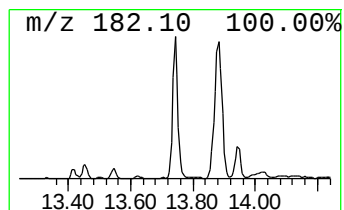
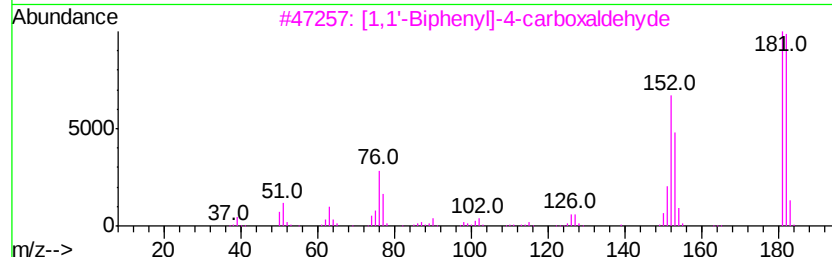
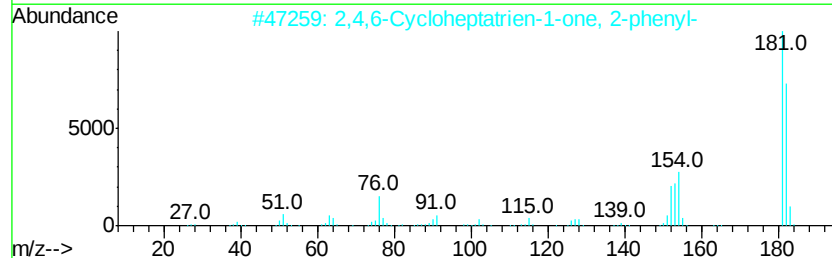
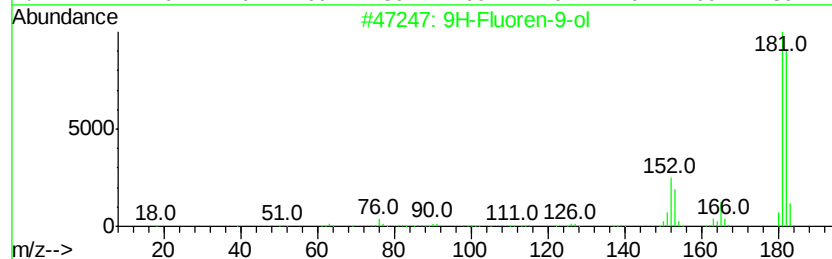
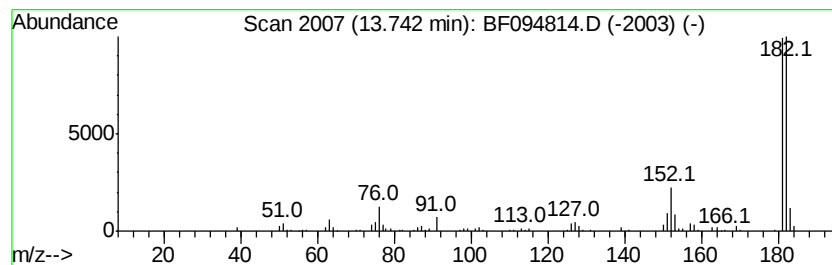
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9H-Fluoren-9-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.74	6.30 ng	291218	Acenaphthene-d10	12.58	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	[1,1'-Biphenyl]-4-carboxaldehyd	182	C13H10O	003218-36-8	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72



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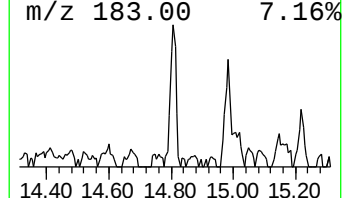
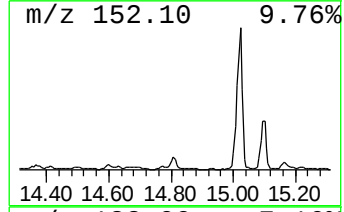
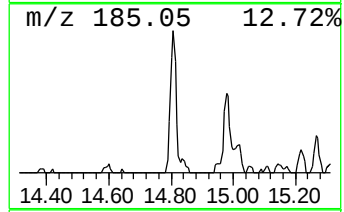
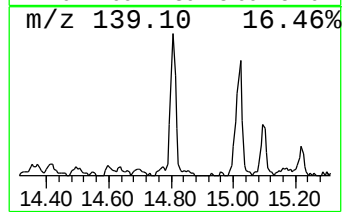
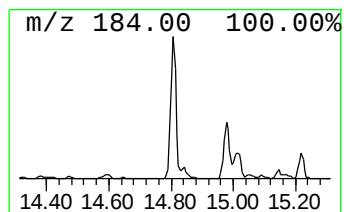
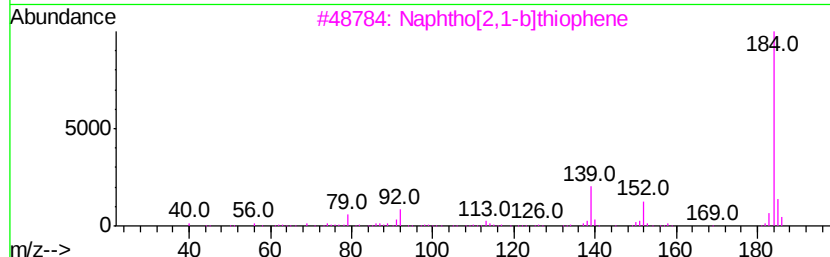
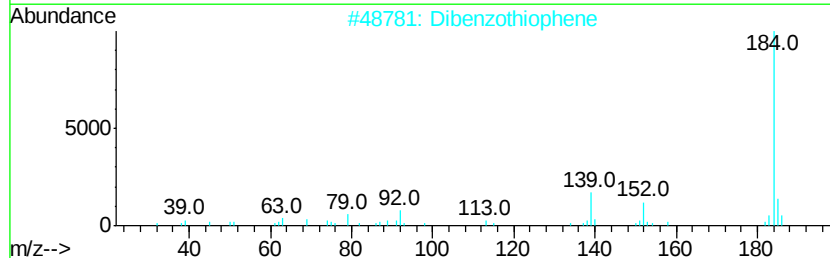
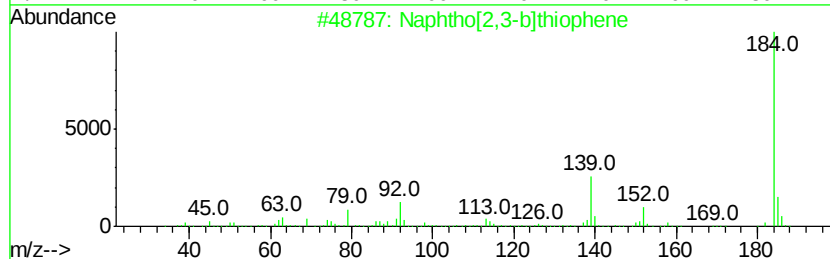
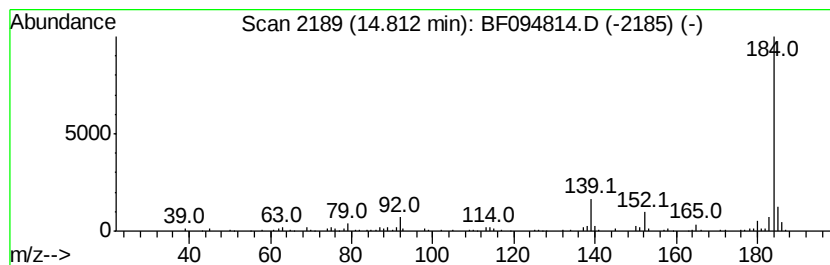
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphtho[2,3-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	8.80 ng	350723	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	97
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



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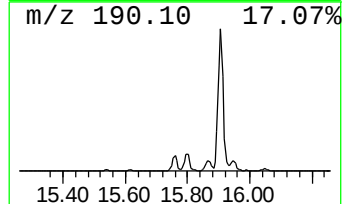
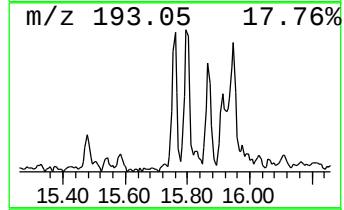
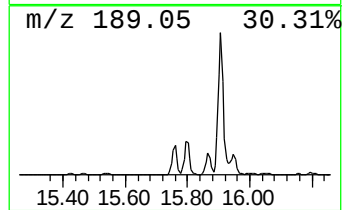
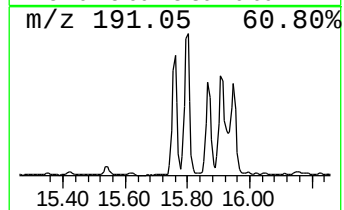
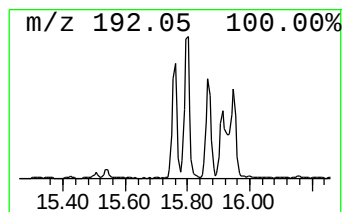
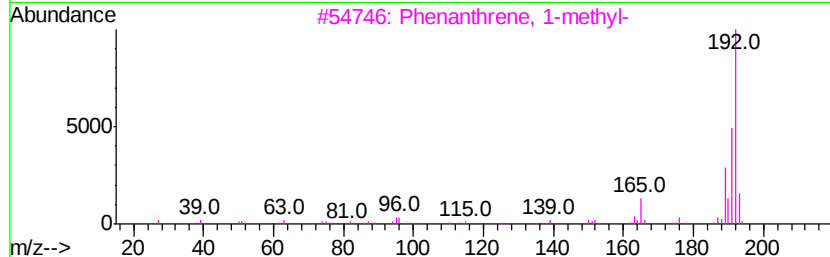
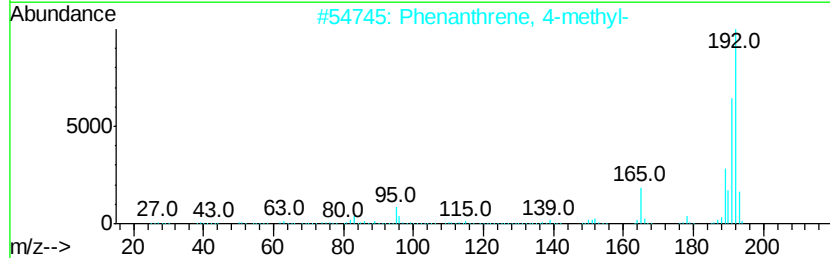
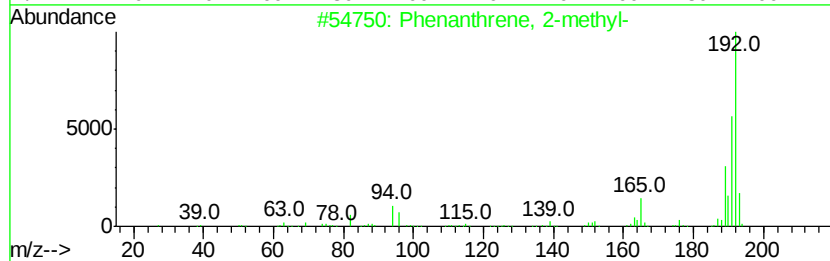
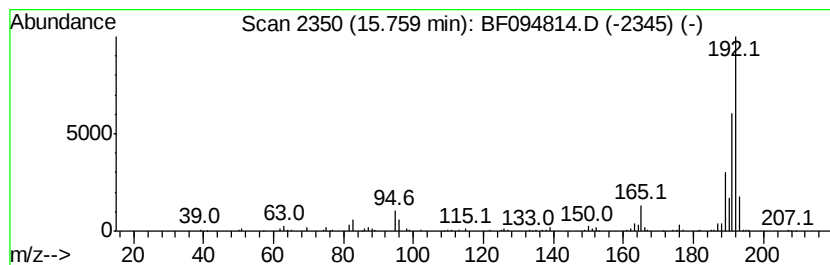
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ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

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 12 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.76	8.72 ng	347565	Phenanthrene-d10	14.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
Data File : BF094814.D
Acq On : 3 May 2017 2:16
Operator : SJ/MA
Sample : I2923-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

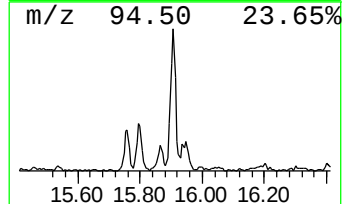
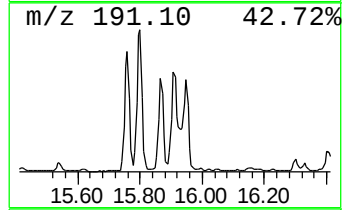
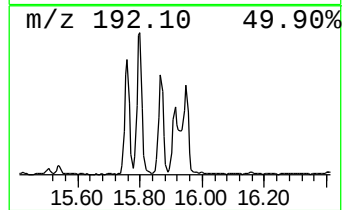
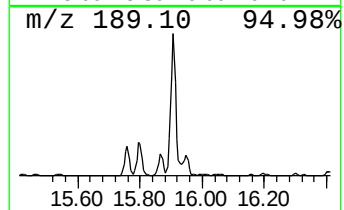
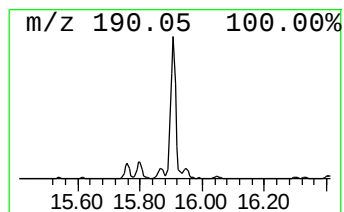
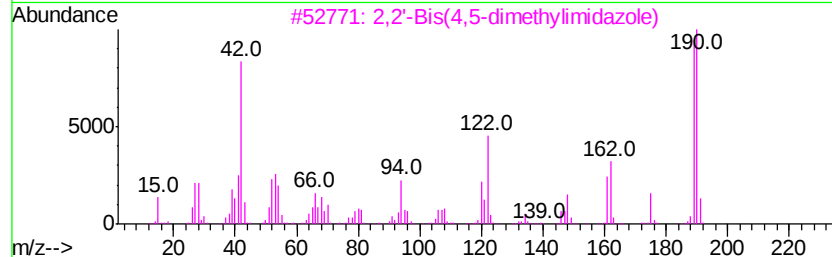
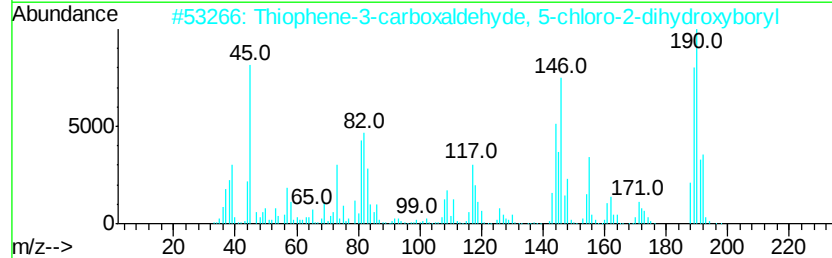
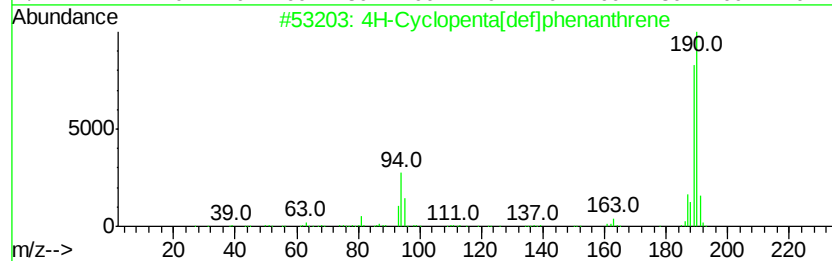
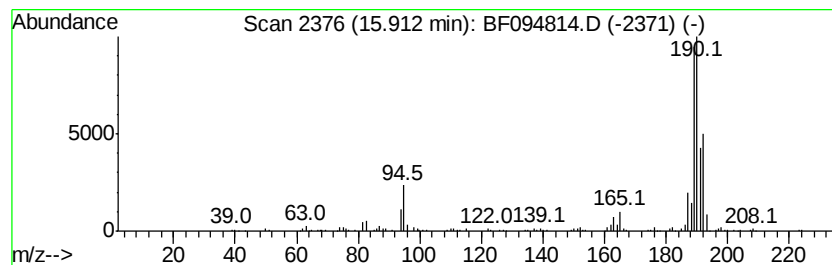
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	17.64 ng	703378	Phenanthrene-d10	14.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4			6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	45
5			Methyl diselenide	190	C2H6Se2	007101-31-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
Data File : BF094814.D
Acq On : 3 May 2017 2:16
Operator : SJ/MA
Sample : I2923-01
Misc :
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ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

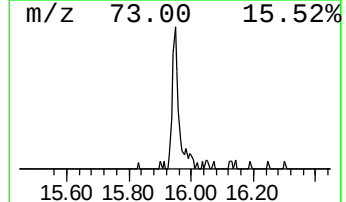
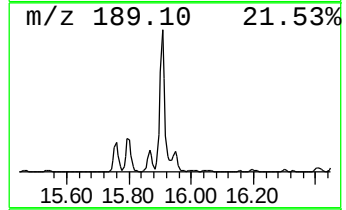
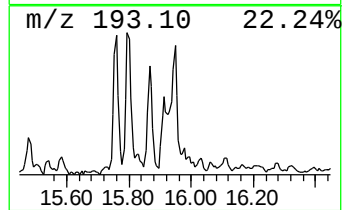
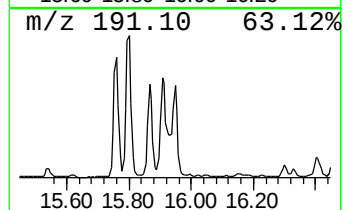
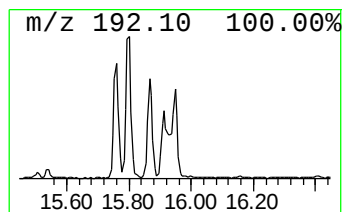
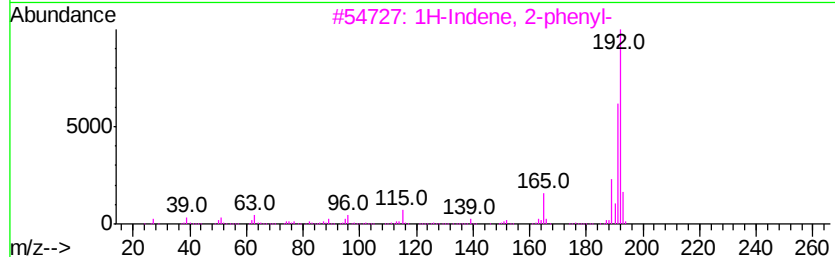
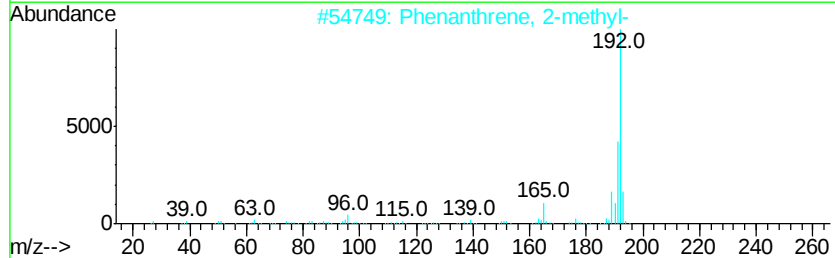
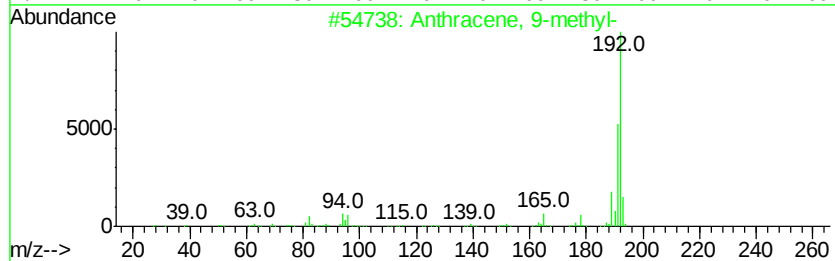
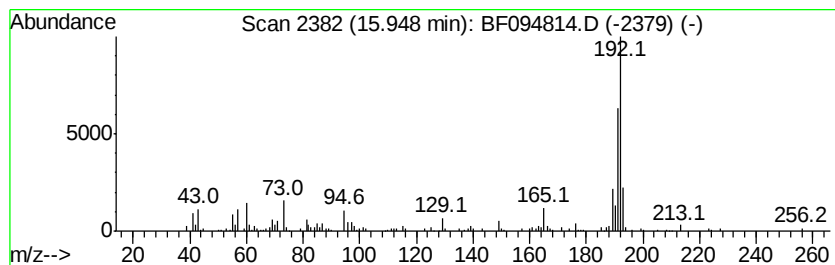
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	7.77 ng	309879	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
Data File : BF094814.D
Acq On : 3 May 2017 2:16
Operator : SJ/MA
Sample : I2923-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

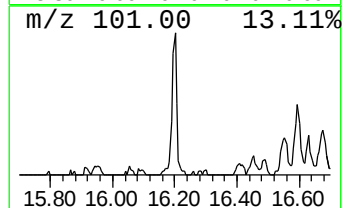
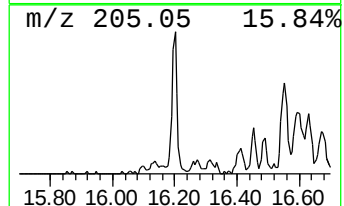
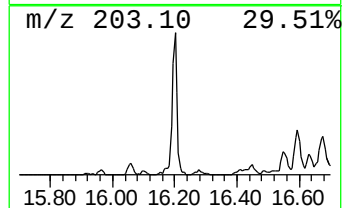
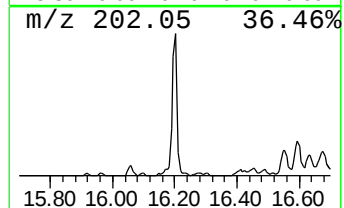
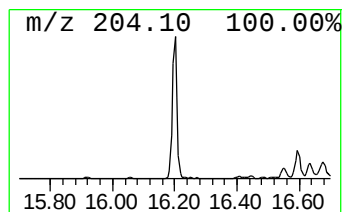
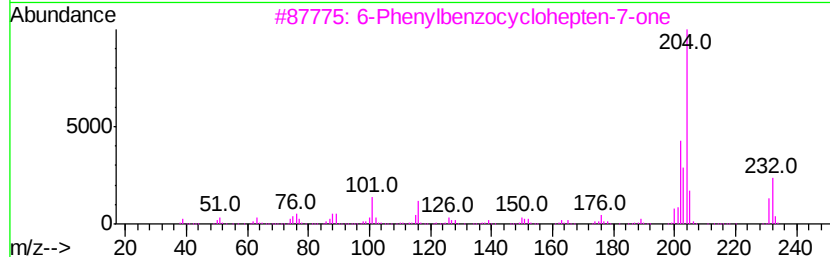
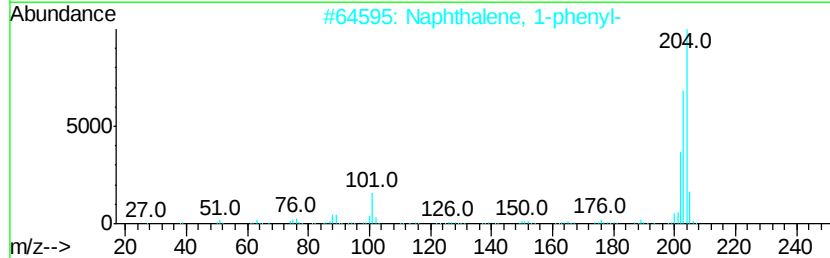
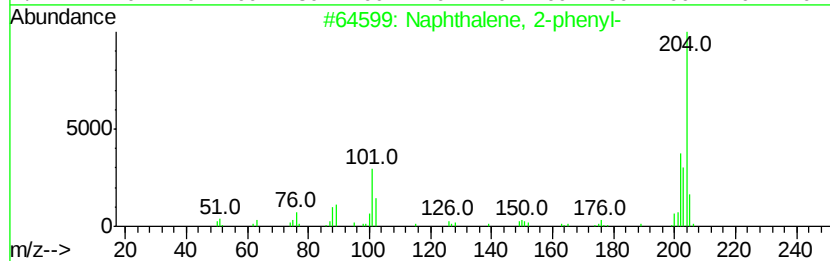
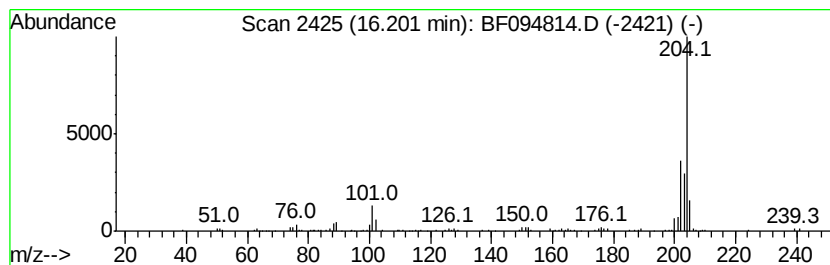
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6TH-ST-SOIL-CUTTINGS(COMP)

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 17 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.20	8.93 ng	356062	Phenanthrene-d10	14.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
Data File : BF094814.D
Acq On : 3 May 2017 2:16
Operator : SJ/MA
Sample : I2923-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

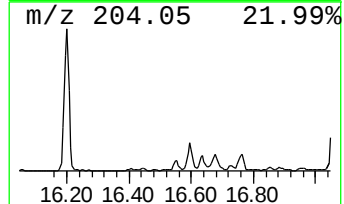
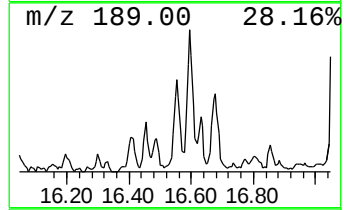
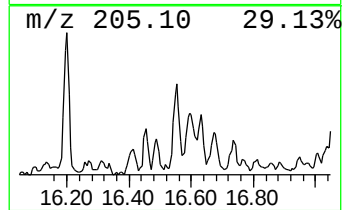
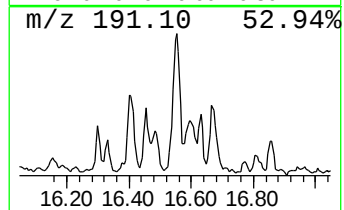
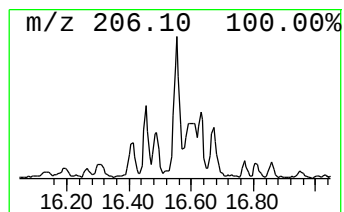
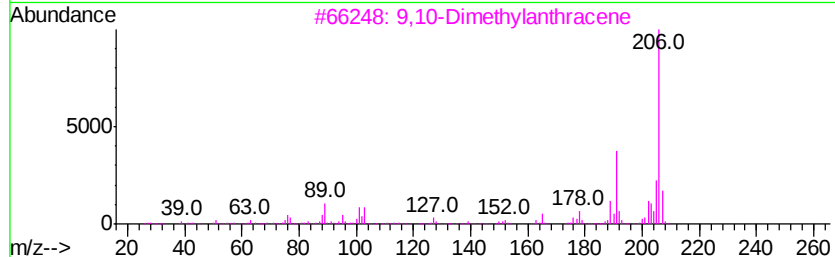
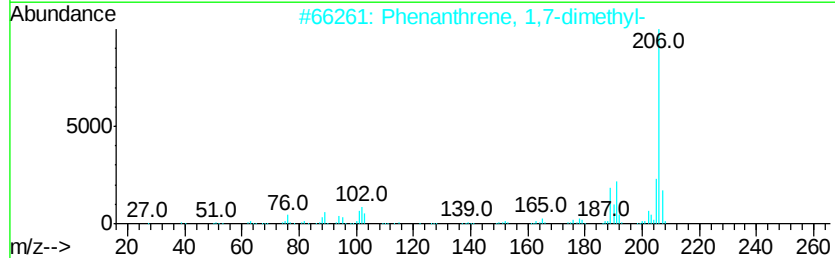
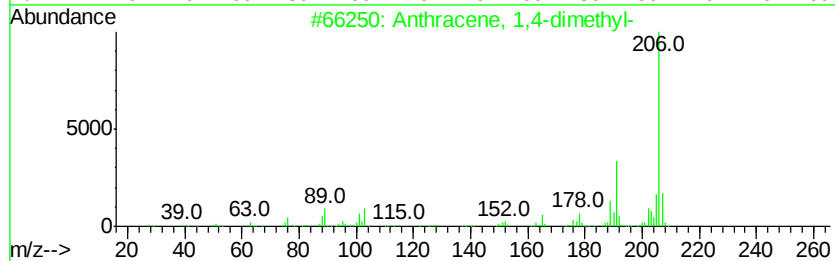
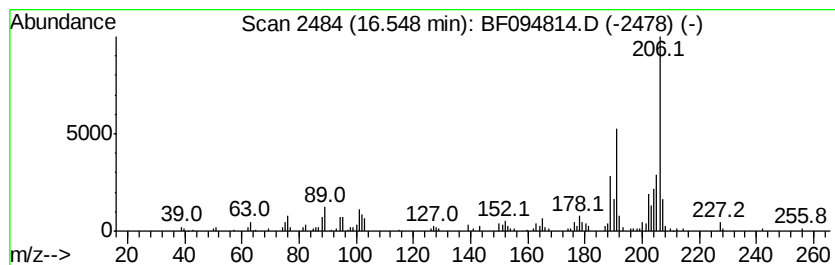
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Anthracene, 1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	6.35 ng	253341	Phenanthrene-d10	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
Data File : BF094814.D
Acq On : 3 May 2017 2:16
Operator : SJ/MA
Sample : I2923-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

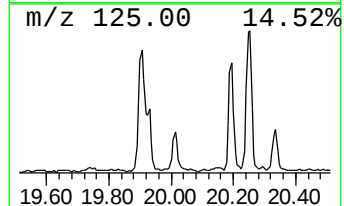
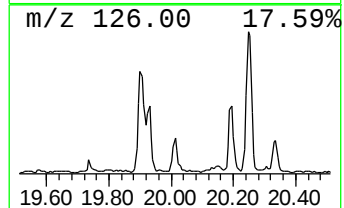
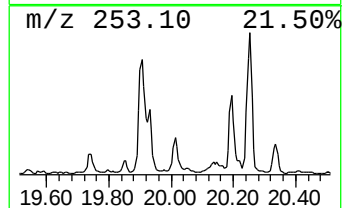
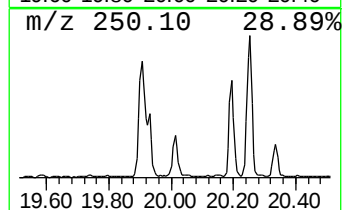
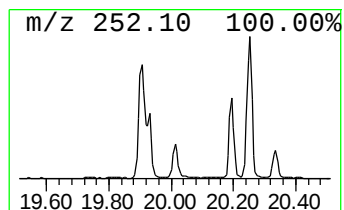
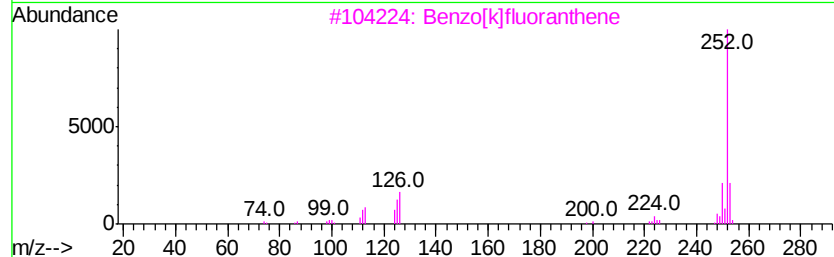
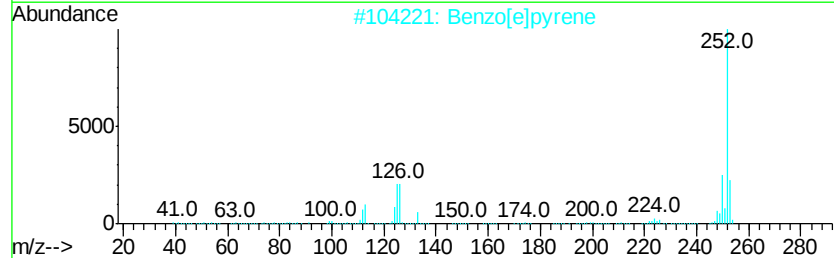
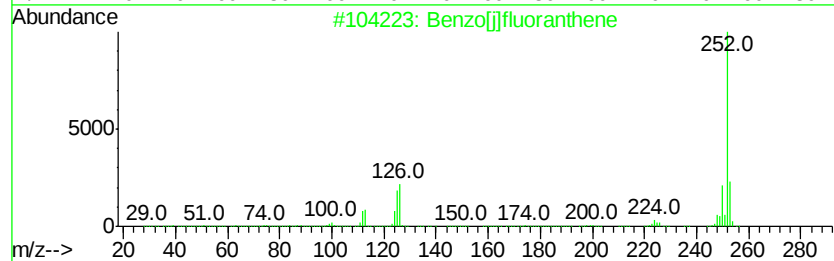
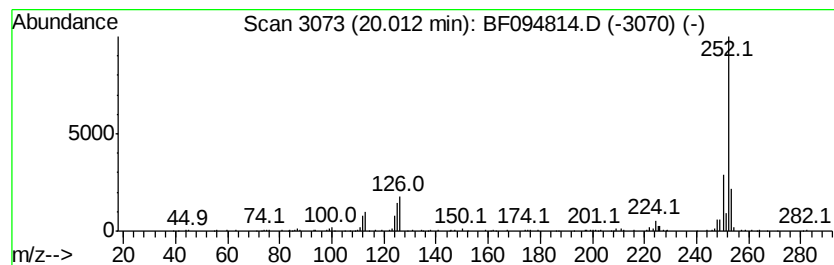
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	6.59 ng	200177	Perylene-d12	20.31

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[i]fluoranthene	252	C20H12	000205-82-3	99
2			Benzo[e]pyrene	252	C20H12	000192-97-2	97
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
5			Benzo[a]pyrene	252	C20H12	000050-32-8	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
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 Acq On : 3 May 2017 2:16
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 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.04	14.7	ng	385126	1	7.73	522819	20.0
Ethanol, 2-butoxy-	6.17	6.8	ng	177690	1	7.73	522819	20.0
unknown7.40	7.40	104.8	ng	2739200	1	7.73	522819	20.0
Benzene, 1-propynyl-	8.13	26.3	ng	686962	1	7.73	522819	20.0
Benzo[c]thiophene	9.86	8.7	ng	349552	2	9.75	804169	20.0
1H-Indenol	10.05	6.3	ng	254924	2	9.75	804169	20.0
Naphthalene, 2,3-...	12.05	7.6	ng	350419	3	12.58	924183	20.0
9H-Fluoren-9-ol	13.74	6.3	ng	291218	3	12.58	924183	20.0
Naphtho[2,3-b]thi...	14.81	8.8	ng	350723	4	14.98	797356	20.0
Phenanthrene, 2-m...	15.76	8.7	ng	347565	4	14.98	797356	20.0
4H-Cyclopenta[def...	15.91	17.6	ng	703378	4	14.98	797356	20.0
Anthracene, 9-met...	15.95	7.8	ng	309879	4	14.98	797356	20.0
Naphthalene, 2-ph...	16.20	8.9	ng	356062	4	14.98	797356	20.0
Anthracene, 1,4-d...	16.55	6.3	ng	253341	4	14.98	797356	20.0
Benzo[j]fluoranthene	20.01	6.6	ng	200177	6	20.31	607538	20.0