

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
 Data File : BM005169.D
 Acq On : 30 Apr 2016 11:28
 Operator : UM/SJ
 Sample : H2729-02DL 100X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD3D0DL

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM042516.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.787	861	867	877	rBB	143822	224651	18.08%	1.752%
2	10.575	1334	1341	1346	rBV	220387	375413	30.21%	2.928%
3	10.622	1346	1349	1358	rVB	84447	133647	10.76%	1.042%
4	12.239	1619	1624	1631	rBB	27900	42881	3.45%	0.334%
5	12.457	1656	1661	1667	rBB	18864	28152	2.27%	0.220%
6	13.745	1875	1880	1885	rBV	14153	22294	1.79%	0.174%
7	14.145	1940	1948	1957	rBB	46722	69364	5.58%	0.541%
8	14.427	1988	1996	2002	rBV2	333649	520174	41.86%	4.057%
9	14.492	2002	2007	2013	rVB	29931	44270	3.56%	0.345%
10	14.821	2058	2063	2072	rBB	60658	90224	7.26%	0.704%
11	15.474	2169	2174	2183	rBB	90130	126372	10.17%	0.986%
12	15.768	2220	2224	2229	rVB	22846	28973	2.33%	0.226%
13	15.915	2242	2249	2257	rBB	24507	47645	3.83%	0.372%
14	16.480	2336	2345	2349	rBV3	14558	28121	2.26%	0.219%
15	16.710	2377	2384	2387	rBV3	9325	15228	1.23%	0.119%
16	16.827	2400	2404	2410	rVB2	15523	22723	1.83%	0.177%
17	16.904	2411	2417	2424	rBV3	11216	25340	2.04%	0.198%
18	16.992	2428	2432	2440	rVB	38256	51004	4.10%	0.398%
19	17.174	2457	2463	2466	rBV	423168	614300	49.44%	4.791%
20	17.215	2466	2470	2476	rVV	766318	1100811	88.59%	8.586%
21	17.304	2476	2485	2491	rVV	177378	261451	21.04%	2.039%
22	17.362	2491	2495	2500	rVB3	9980	16676	1.34%	0.130%
23	17.580	2521	2532	2543	rBV2	52789	99152	7.98%	0.773%
24	17.692	2547	2551	2558	rBV2	14579	20844	1.68%	0.163%
25	18.045	2602	2611	2615	rBV	73519	109125	8.78%	0.851%
26	18.098	2615	2620	2626	rVB	106192	149703	12.05%	1.168%
27	18.174	2628	2633	2639	rBV	39910	55083	4.43%	0.430%
28	18.245	2639	2645	2649	rVV3	122451	216708	17.44%	1.690%
29	18.280	2649	2651	2659	rVB	49495	56546	4.55%	0.441%
30	18.551	2691	2697	2701	rBV	62780	81781	6.58%	0.638%
31	18.592	2701	2704	2710	rVB	30385	39365	3.17%	0.307%
32	18.792	2731	2738	2743	rBV4	13093	19976	1.61%	0.156%
33	18.845	2743	2747	2750	rVV	14112	17457	1.40%	0.136%
34	18.886	2750	2754	2759	rVB2	11236	15036	1.21%	0.117%

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35	18.968	2761	2768	2773	rBV	31588	59132	4.76%	0.461%
36	19.033	2773	2779	2782	rVV2	22922	47208	3.80%	0.368%
37	19.062	2782	2784	2787	rVV2	16670	17013	1.37%	0.133%
38	19.109	2787	2792	2801	rVB3	26701	48799	3.93%	0.381%
39	19.233	2807	2813	2820	rBV	863464	1242599	100.00%	9.692%
40	19.333	2827	2830	2834	rVB2	17256	19860	1.60%	0.155%
41	19.386	2834	2839	2843	rBV	32059	42046	3.38%	0.328%
42	19.480	2849	2855	2859	rBV2	24852	36862	2.97%	0.288%
43	19.568	2864	2870	2871	rBV	146825	190496	15.33%	1.486%
44	19.598	2871	2875	2883	rVB	746807	1062705	85.52%	8.289%
45	19.668	2883	2887	2894	rVB3	36565	57539	4.63%	0.449%
46	19.774	2894	2905	2911	rBV	45775	78909	6.35%	0.615%
47	19.839	2911	2916	2922	rVB	38474	55530	4.47%	0.433%
48	19.921	2924	2930	2937	rBV3	43150	111869	9.00%	0.873%
49	20.056	2948	2953	2955	rVV3	30795	50025	4.03%	0.390%
50	20.092	2955	2959	2964	rVB	87420	127467	10.26%	0.994%
51	20.192	2972	2976	2980	rBV2	54228	72873	5.86%	0.568%
52	20.250	2980	2986	2990	rVV2	60880	107262	8.63%	0.837%
53	20.292	2990	2993	2996	rVB	12624	13234	1.07%	0.103%
54	20.333	2996	3000	3005	rVB3	11070	14021	1.13%	0.109%
55	20.392	3005	3010	3014	rBV	30696	41950	3.38%	0.327%
56	20.439	3014	3018	3022	rVV	34770	42941	3.46%	0.335%
57	20.656	3049	3055	3056	rBV3	8389	15417	1.24%	0.120%
58	20.686	3056	3060	3062	rVV3	10968	16532	1.33%	0.129%
59	20.715	3062	3065	3070	rVB4	9414	17692	1.42%	0.138%
60	20.798	3076	3079	3083	rBV4	9389	15501	1.25%	0.121%
61	20.845	3083	3087	3093	rVB	40132	57284	4.61%	0.447%
62	21.009	3107	3115	3118	rBV3	45370	78222	6.30%	0.610%
63	21.045	3118	3121	3125	rVV	61249	85004	6.84%	0.663%
64	21.086	3125	3128	3133	rVV2	56360	99977	8.05%	0.780%
65	21.139	3133	3137	3144	rVB2	40591	62076	5.00%	0.484%
66	21.250	3148	3156	3160	rBV	14236	40559	3.26%	0.316%
67	21.356	3163	3174	3179	rVV2	564659	1204035	96.90%	9.391%
68	21.397	3179	3181	3192	rVB	298836	375387	30.21%	2.928%
69	21.515	3197	3201	3207	rBV	51076	68301	5.50%	0.533%
70	21.574	3207	3211	3214	rBV3	11704	19205	1.55%	0.150%
71	21.680	3224	3229	3233	rBV3	35540	53234	4.28%	0.415%

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72	21.862	3256	3260	3262	rBV2	11252	14353	1.16%	0.112%
73	21.915	3263	3269	3275	rVV	49210	97976	7.88%	0.764%
74	21.968	3275	3278	3284	rVB	24416	36859	2.97%	0.287%
75	22.039	3286	3290	3293	rVV2	13424	22840	1.84%	0.178%
76	22.074	3293	3296	3300	rVV2	14159	21423	1.72%	0.167%
77	22.121	3300	3304	3307	rVV	23284	38140	3.07%	0.297%
78	22.150	3307	3309	3315	rVV3	19776	27058	2.18%	0.211%
79	22.221	3316	3321	3325	rVB3	16959	25094	2.02%	0.196%
80	22.415	3349	3354	3357	rBV5	8302	17592	1.42%	0.137%
81	22.703	3397	3403	3407	rBV4	14321	30580	2.46%	0.239%
82	22.956	3439	3446	3451	rBV	173898	418914	33.71%	3.267%
83	23.127	3470	3475	3482	rVB	35875	61816	4.97%	0.482%
84	23.444	3522	3529	3538	rBV	101956	196299	15.80%	1.531%
85	23.539	3539	3545	3554	rVB	169751	315873	25.42%	2.464%
86	23.639	3555	3562	3568	rBV	231967	473003	38.07%	3.689%
87	23.691	3568	3571	3579	rVB	49885	88086	7.09%	0.687%
88	25.938	3945	3953	3964	rVB	70569	195972	15.77%	1.528%
89	26.209	3993	3999	4006	rVB2	11782	27660	2.23%	0.216%
90	26.650	4065	4074	4088	rVB2	46827	150241	12.09%	1.172%
91	27.015	4130	4136	4148	rVB	12920	42232	3.40%	0.329%

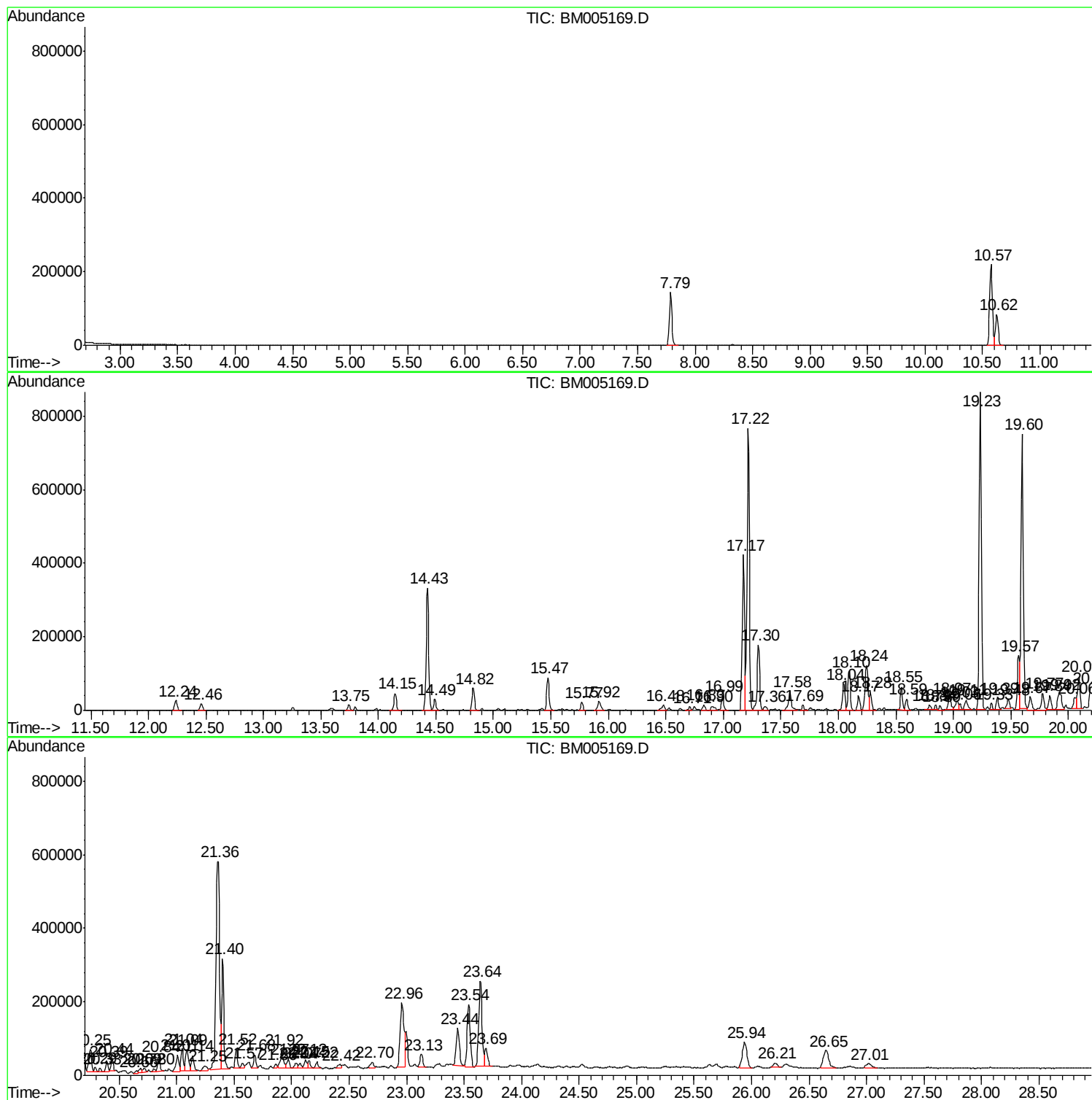
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ClientSampled :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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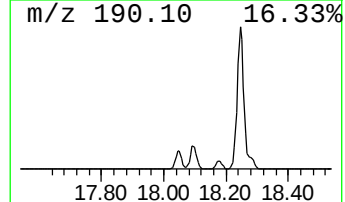
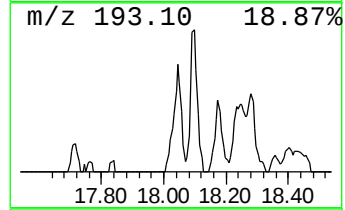
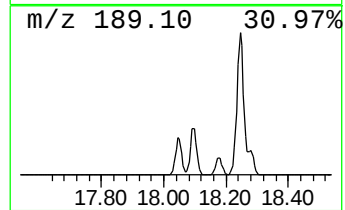
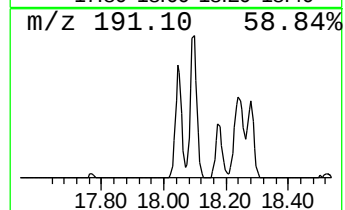
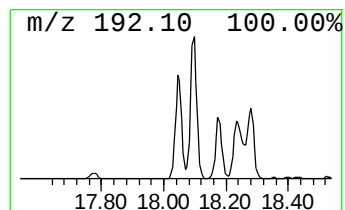
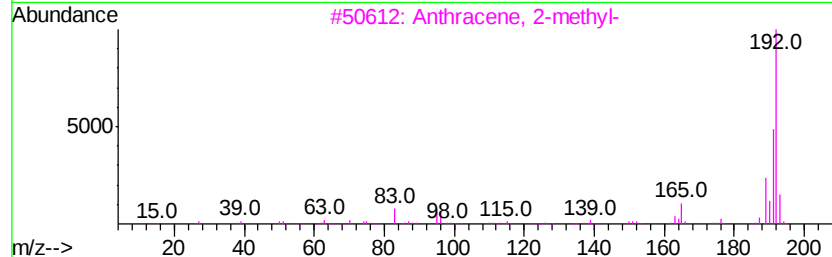
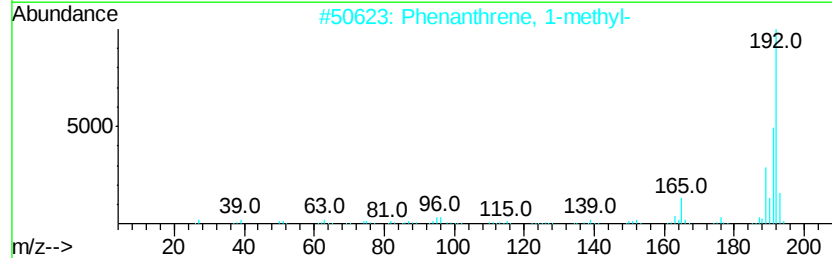
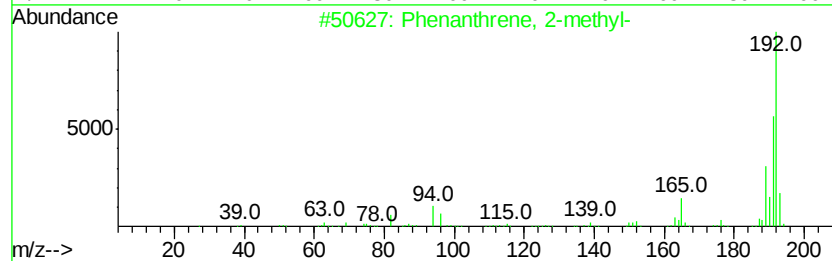
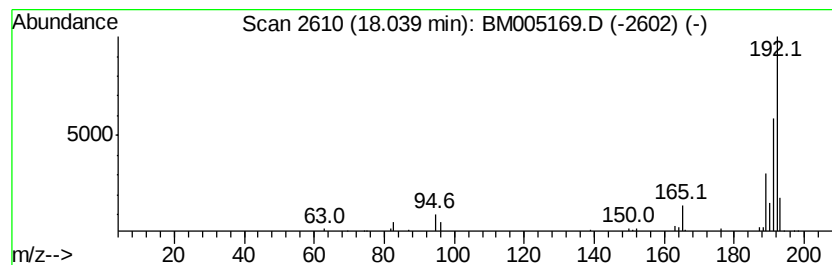
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.55 ng/ul	109125	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



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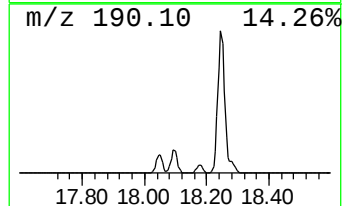
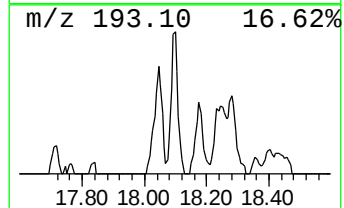
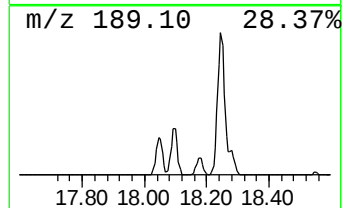
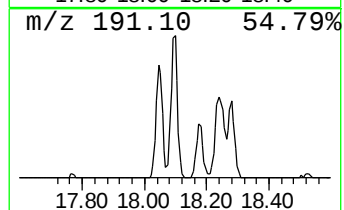
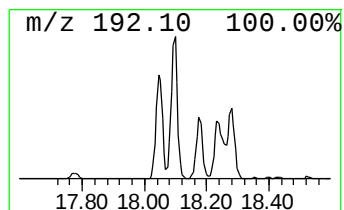
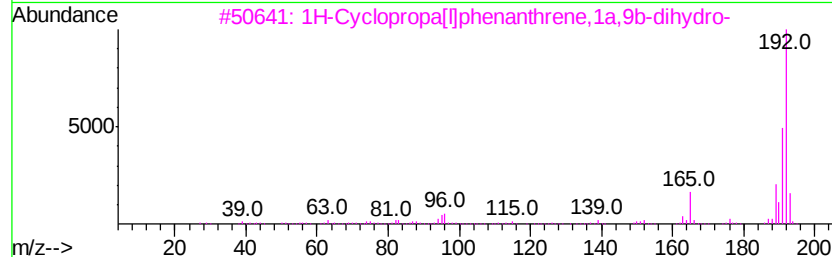
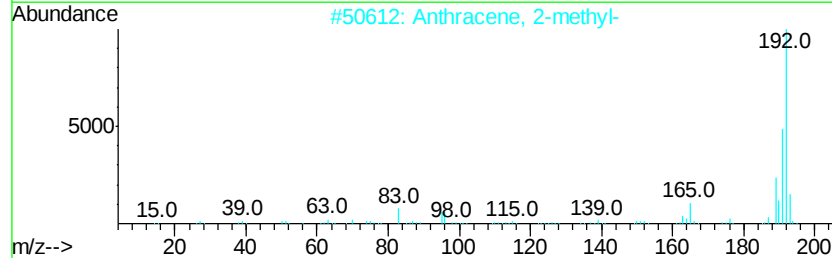
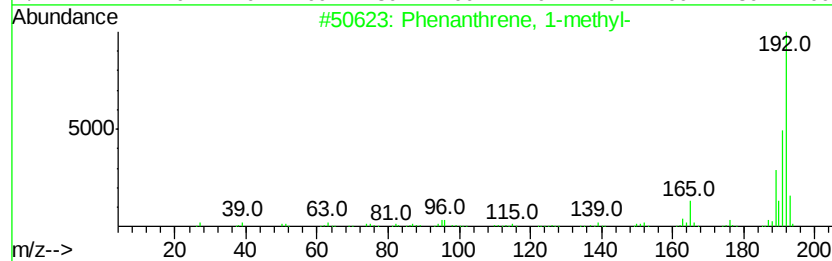
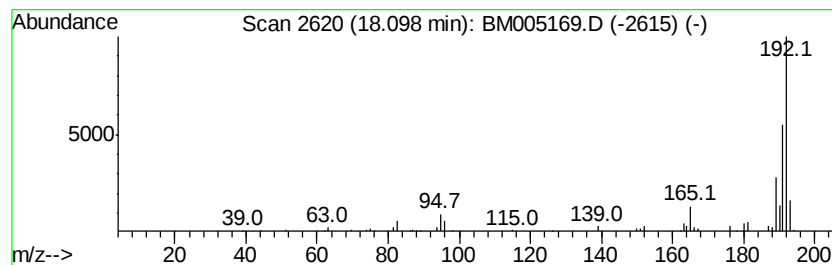
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.10	4.87 ng/ul	149703	Phenanthrene-d10	17.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95



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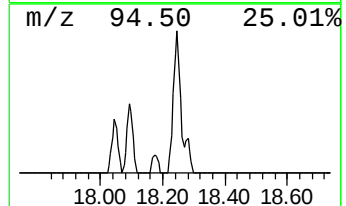
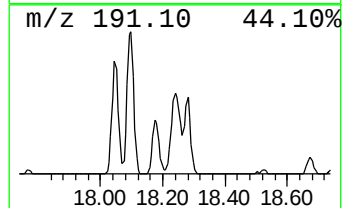
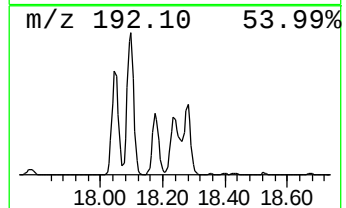
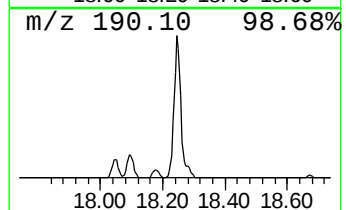
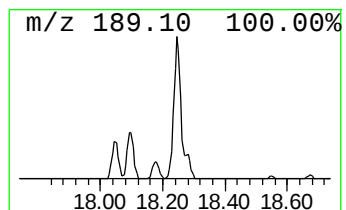
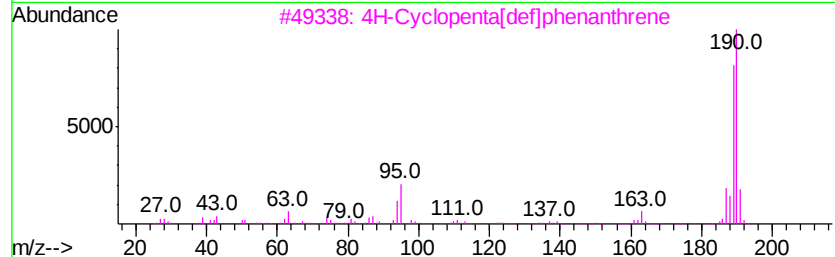
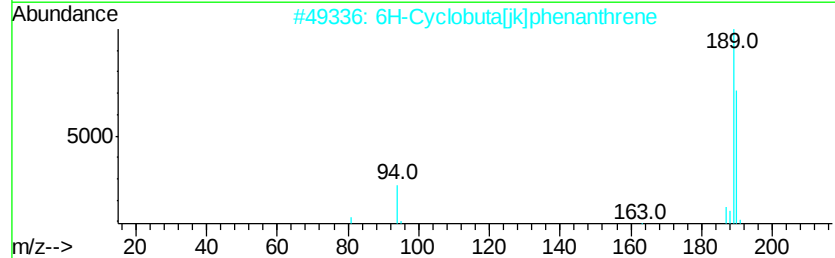
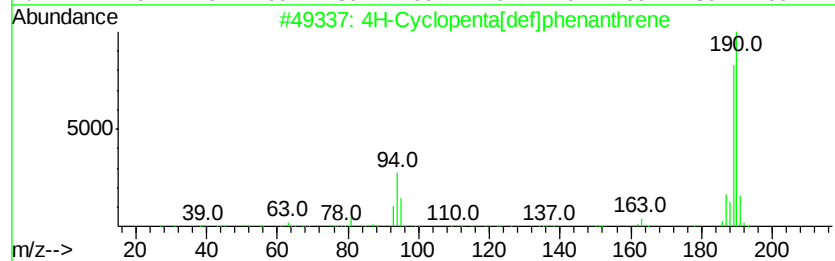
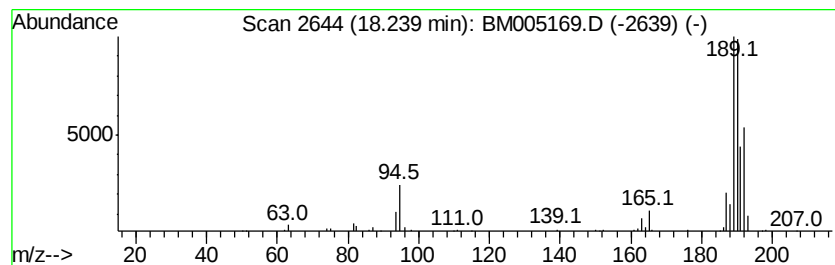
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	7.06 ng/ul	216708	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	72
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
4		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5		Methyl diselenide	190	C2H6Se2	007101-31-7	49



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BD3D0DL

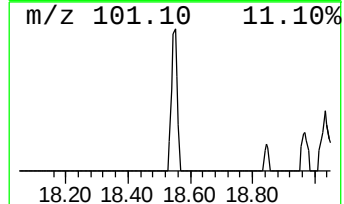
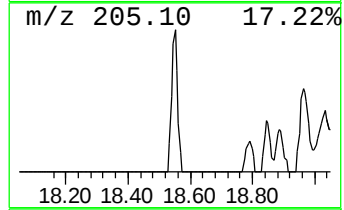
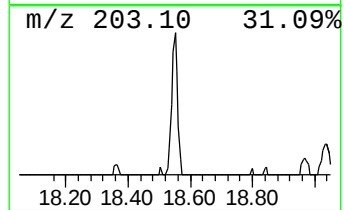
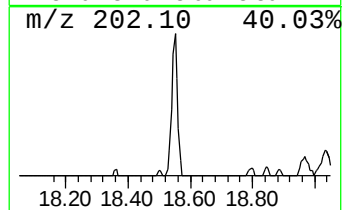
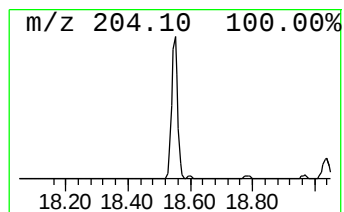
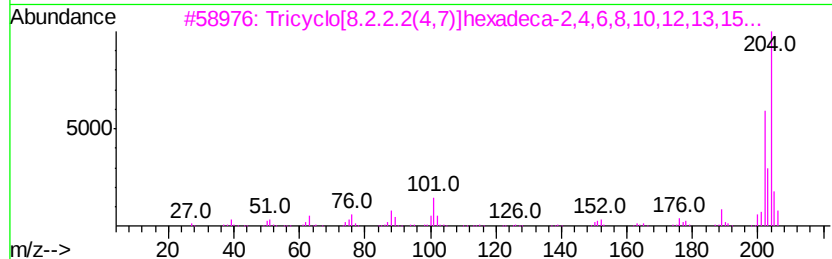
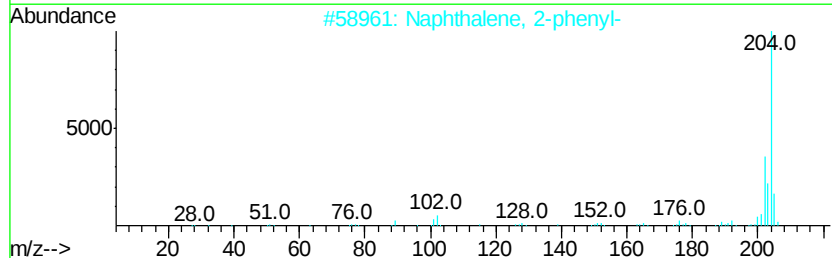
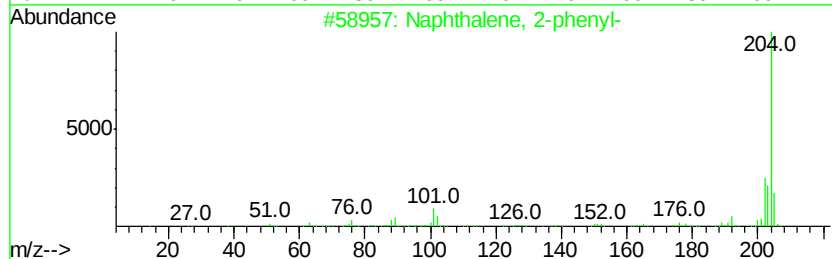
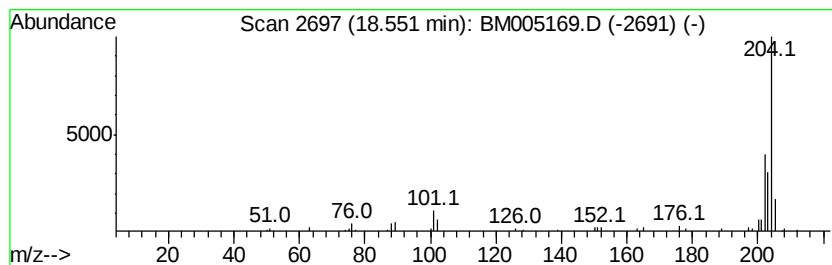
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.66 ng/ul	81781	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005169.D
Acq On : 30 Apr 2016 11:28
Operator : UM/SJ
Sample : H2729-02DL 100X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3D0DL

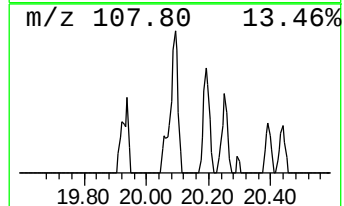
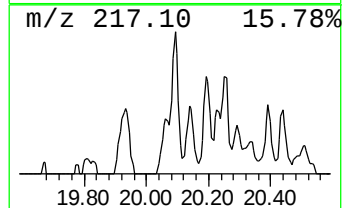
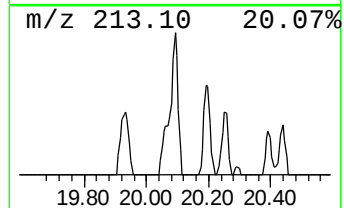
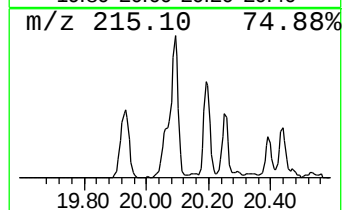
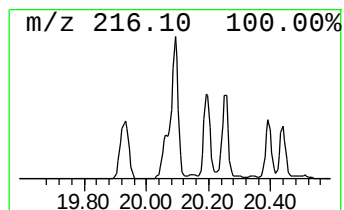
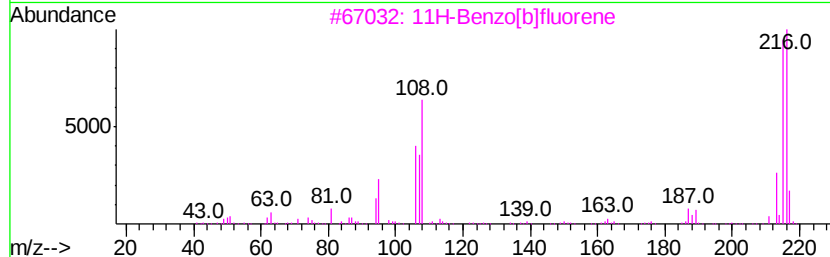
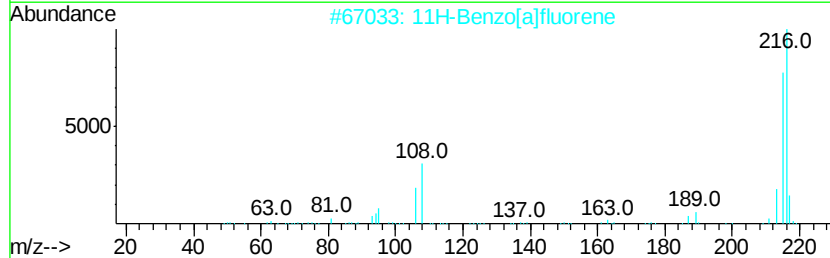
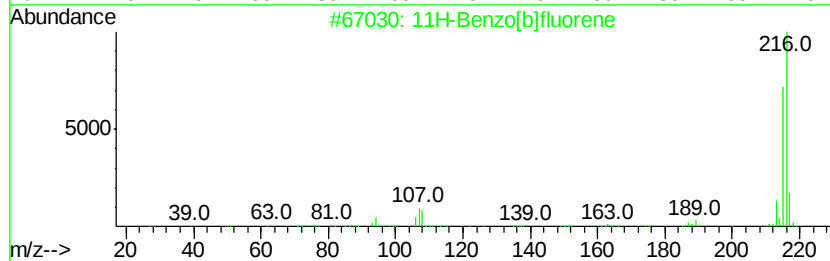
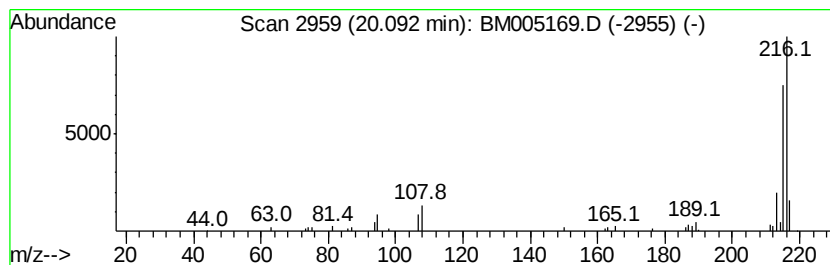
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.12 ng/ul	127467	Chrysene-d12	21.36

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005169.D
Acq On : 30 Apr 2016 11:28
Operator : UM/SJ
Sample : H2729-02DL 100X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3D0DL

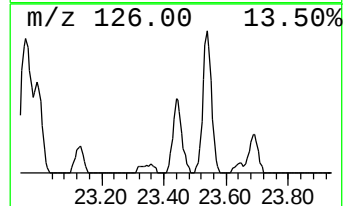
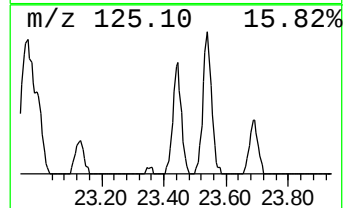
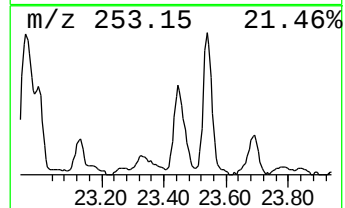
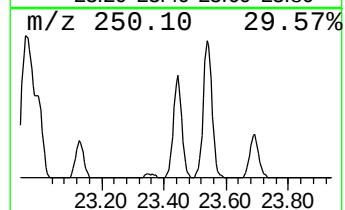
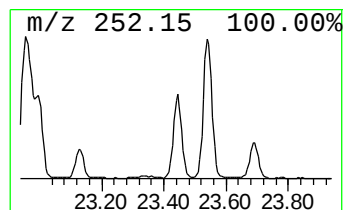
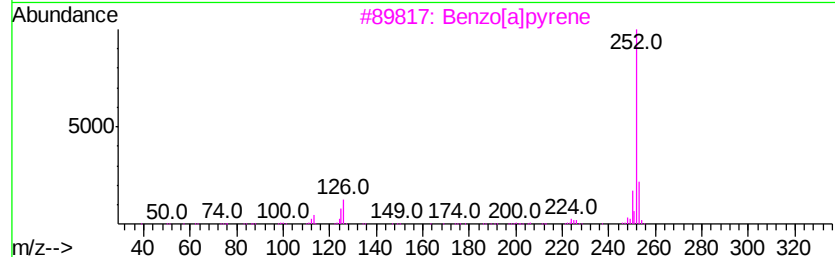
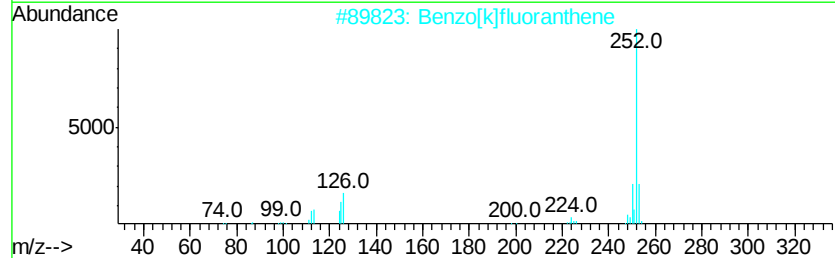
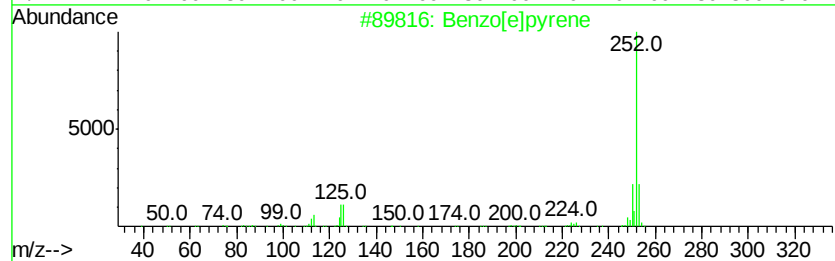
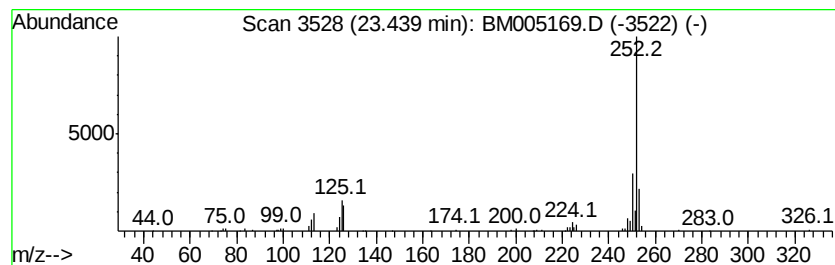
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	8.30 ng/ul	196299	Perylene-d12	23.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Perylene	252	C20H12	000198-55-0	95
5		Perylene	252	C20H12	000198-55-0	95



Data Path : Z:\HPCHEM1\BNA M\DATA\BM043016\
Data File : BM005169.D
Acq On : 30 Apr 2016 11:28
Operator : UM/SJ
Sample : H2729-02DL 100X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3D0DL

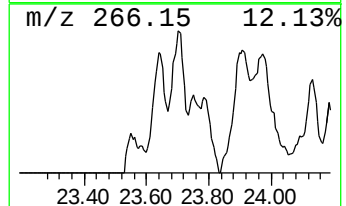
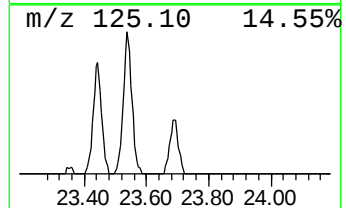
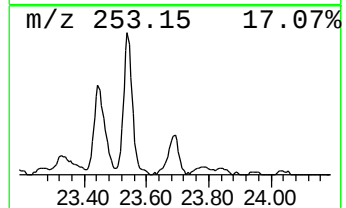
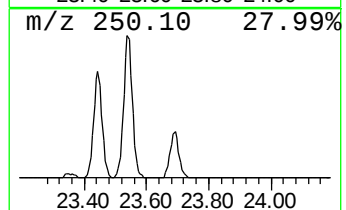
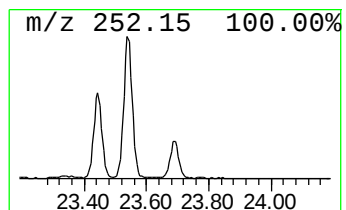
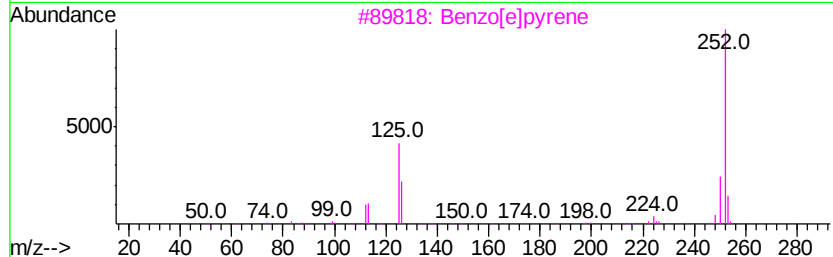
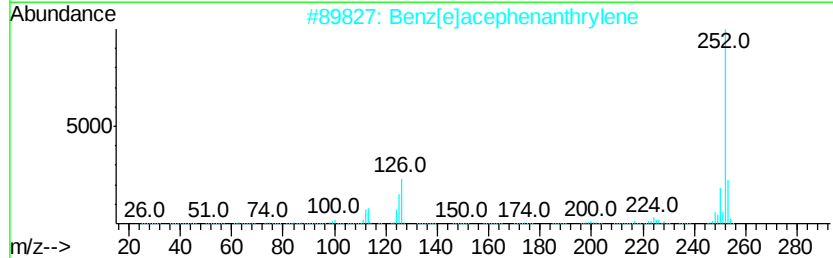
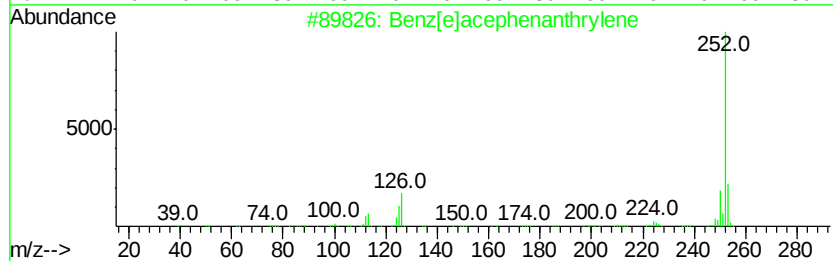
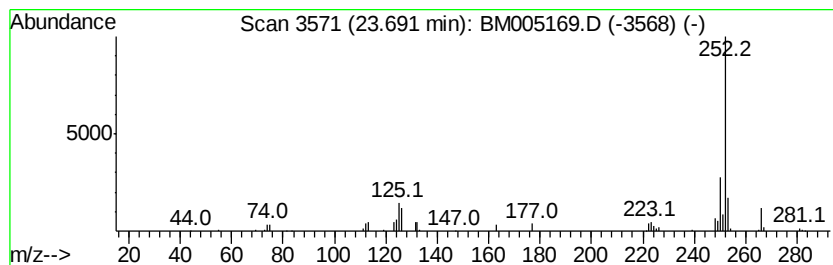
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Benz[e]acephenanthrylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.69	3.72 ng/ul	88086	Perylene-d12	23.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	64
3		Benzo[e]pyrene	252	C20H12	000192-97-2	64
4		Benzo[a]pyrene	252	C20H12	000050-32-8	58
5		Benzo[e]pyrene	252	C20H12	000192-97-2	58



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM043016\
Data File : BM005169.D
Acq On : 30 Apr 2016 11:28
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Sample : H2729-02DL 100X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Phenanthrene, 2-m...	18.04	3.5	ng/ul	109125	4	17.17	614300	20.0
Phenanthrene, 1-m...	18.10	4.9	ng/ul	149703	4	17.17	614300	20.0
4H-Cyclopenta[def...	18.24	7.1	ng/ul	216708	4	17.17	614300	20.0
Naphthalene, 2-ph...	18.55	2.7	ng/ul	81781	4	17.17	614300	20.0
11H-Benzo[b]fluorene	20.09	2.1	ng/ul	127467	5	21.36	1204040	20.0
Benzo[e]pyrene	23.44	8.3	ng/ul	196299	6	23.64	473003	20.0
Benz[e]acephenant...	23.69	3.7	ng/ul	88086	6	23.64	473003	20.0