

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
 Data File : BM013484.D
 Acq On : 16 Dec 2017 19:33
 Operator : SJ/JU
 Sample : I6776-17DL 25X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A46DL

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\SOM-EPA-BM113017.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	6.857	637	641	648	rBV3	31019	60055	1.12%	0.133%
2	7.210	694	701	706	rBV4	34339	64174	1.20%	0.142%
3	7.675	773	780	788	rBV	775808	1250956	23.42%	2.761%
4	8.204	864	870	876	rBV3	34064	65833	1.23%	0.145%
5	8.392	896	902	908	rBV4	40052	71600	1.34%	0.158%
6	8.834	972	977	982	rVB3	32129	53942	1.01%	0.119%
7	10.098	1185	1192	1200	rBV5	31144	72323	1.35%	0.160%
8	10.451	1244	1252	1266	rBV	1150414	1913306	35.83%	4.223%
9	13.733	1802	1810	1814	rBV	87440	131144	2.46%	0.289%
10	14.004	1851	1856	1858	rBV	107539	147132	2.76%	0.325%
11	14.039	1858	1862	1871	rVB	169176	289588	5.42%	0.639%
12	14.316	1902	1909	1919	rBV2	1610357	2471105	46.27%	5.454%
13	15.315	2071	2079	2083	rBV	131655	197347	3.70%	0.436%
14	16.051	2194	2204	2211	rBV2	77299	150618	2.82%	0.332%
15	17.068	2370	2377	2388	rBV	1978481	2975254	55.71%	6.567%
16	17.162	2388	2393	2396	rVV	149294	228704	4.28%	0.505%
17	17.198	2396	2399	2406	rVB	307219	429691	8.05%	0.948%
18	18.068	2542	2547	2551	rBV2	47318	61684	1.16%	0.136%
19	18.139	2554	2559	2566	rVB6	36866	75886	1.42%	0.167%
20	18.339	2590	2593	2600	rVB3	46499	70708	1.32%	0.156%
21	19.003	2701	2706	2715	rBV	334457	523759	9.81%	1.156%
22	19.127	2721	2727	2734	rBV	1098688	1432256	26.82%	3.161%
23	19.227	2740	2744	2748	rVB	54296	73508	1.38%	0.162%
24	19.280	2749	2753	2757	rVB2	51067	60225	1.13%	0.133%
25	19.374	2762	2769	2772	rBV3	67911	135086	2.53%	0.298%
26	19.492	2779	2789	2797	rBV	3778618	5340538	100.00%	11.787%
27	19.568	2797	2802	2807	rVB5	54045	99551	1.86%	0.220%
28	19.674	2815	2820	2825	rBV4	79999	158933	2.98%	0.351%
29	19.727	2825	2829	2833	rVB2	85456	116029	2.17%	0.256%
30	19.827	2839	2846	2852	rBV2	233462	533488	9.99%	1.177%
31	19.968	2863	2870	2880	rBV	551174	1299364	24.33%	2.868%
32	20.086	2887	2890	2894	rBV	124154	152730	2.86%	0.337%
33	20.145	2894	2900	2904	rBV2	431125	650325	12.18%	1.435%
34	20.186	2904	2907	2910	rVB	85845	97752	1.83%	0.216%

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Integration Parameters: LSCINT.P

Integrator: RTE
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 Max Peaks: 100
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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35	20.286	2920	2924	2928	rBV	457593	630772	11.81%	1.392%
36	20.333	2928	2932	2936	rVB	252412	339382	6.35%	0.749%
37	20.409	2941	2945	2949	rVV	146378	188908	3.54%	0.417%
38	20.545	2964	2968	2969	rBV3	67566	96580	1.81%	0.213%
39	20.650	2983	2986	2990	rVB6	88935	100179	1.88%	0.221%
40	20.739	2998	3001	3006	rBV4	119525	203680	3.81%	0.450%
41	20.903	3023	3029	3032	rBV3	201147	348248	6.52%	0.769%
42	20.939	3032	3035	3038	rVV	193705	245839	4.60%	0.543%
43	20.980	3038	3042	3048	rVB2	781333	1120778	20.99%	2.474%
44	21.256	3079	3089	3093	rBV	2504803	5294915	99.15%	11.687%
45	21.292	3093	3095	3102	rVB	1891489	2437460	45.64%	5.380%
46	21.427	3112	3118	3123	rBV5	150682	323324	6.05%	0.714%
47	21.562	3137	3141	3147	rBV	318189	482134	9.03%	1.064%
48	21.615	3147	3150	3158	rVB3	183531	272369	5.10%	0.601%
49	21.750	3169	3173	3176	rBV5	139103	221573	4.15%	0.489%
50	22.556	3306	3310	3315	rBV4	160036	321800	6.03%	0.710%
51	22.815	3348	3354	3359	rBV2	2290443	4767258	89.27%	10.522%
52	22.980	3379	3382	3390	rVB	195485	312850	5.86%	0.691%
53	23.286	3429	3434	3440	rVB	953292	1655116	30.99%	3.653%
54	23.386	3445	3451	3457	rVB	876489	1602146	30.00%	3.536%
55	23.480	3461	3467	3472	rBV	1074082	1834986	34.36%	4.050%
56	25.703	3838	3845	3856	rVB3	346730	1052315	19.70%	2.323%

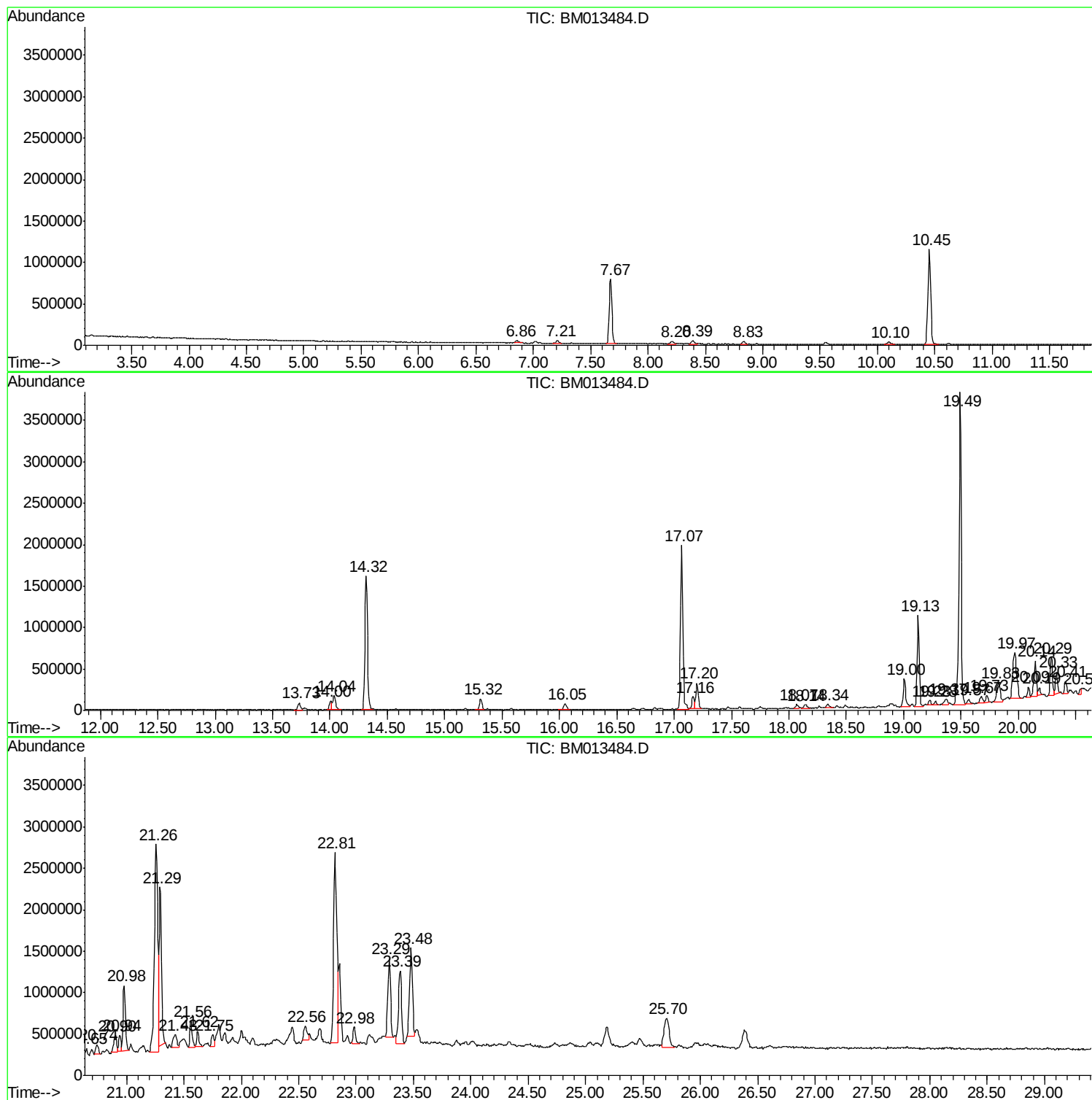
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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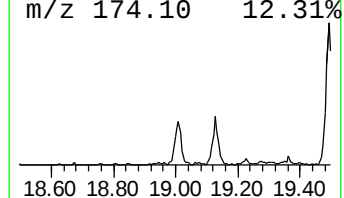
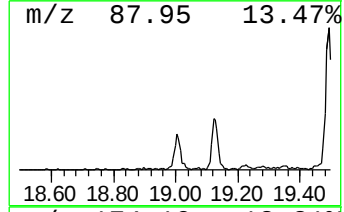
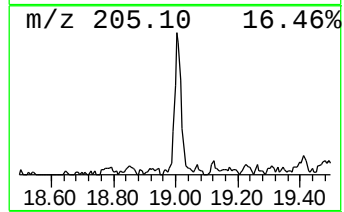
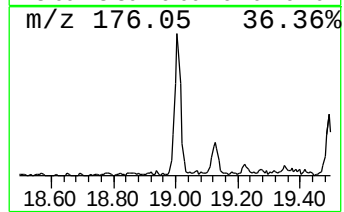
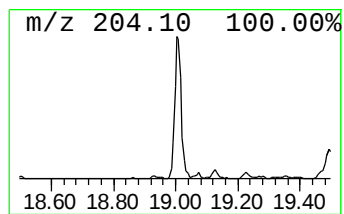
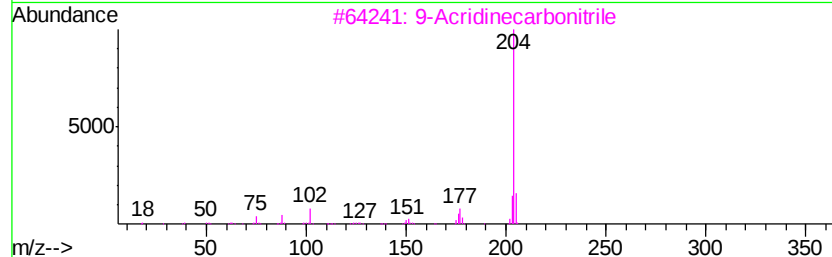
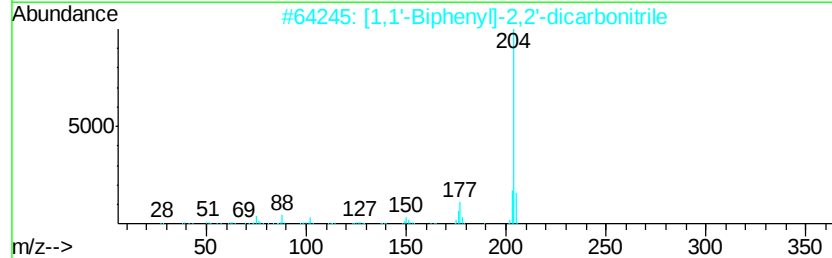
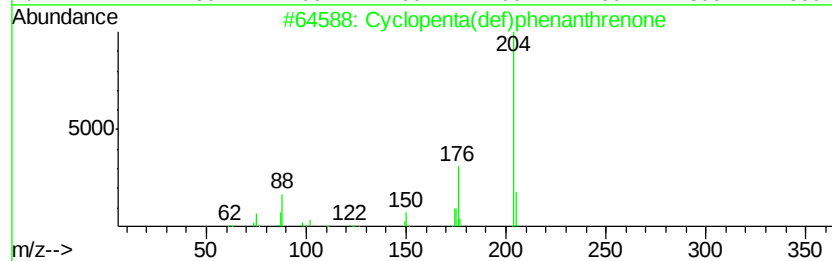
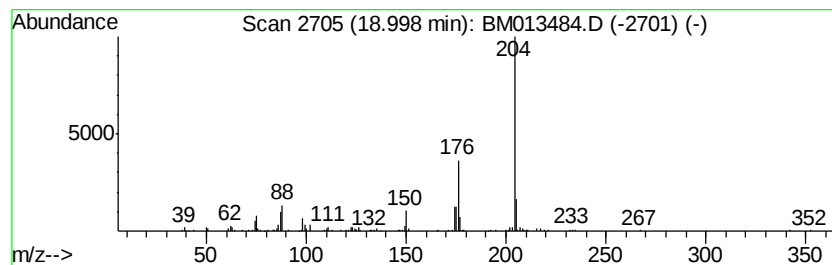
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Cyclopenta(def)phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.		
19.00	3.52 ng/ul	523759	Phenanthrene-d10		17.07		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3			9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4			Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46



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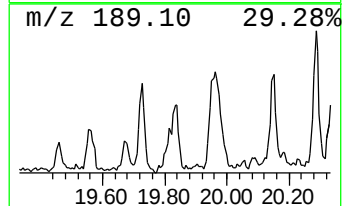
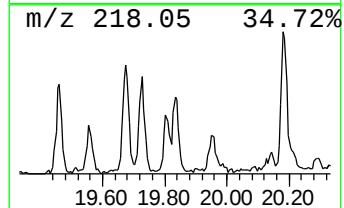
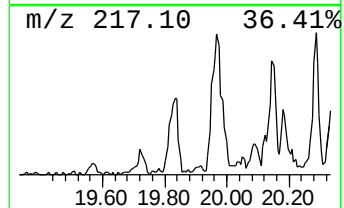
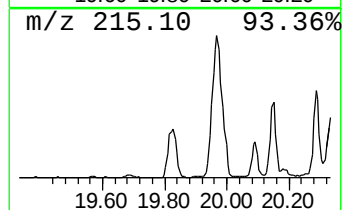
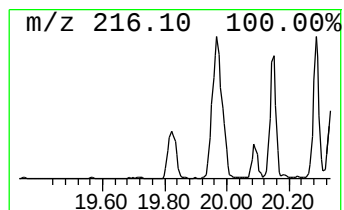
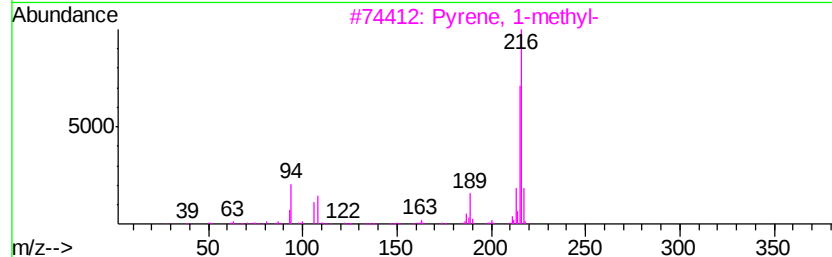
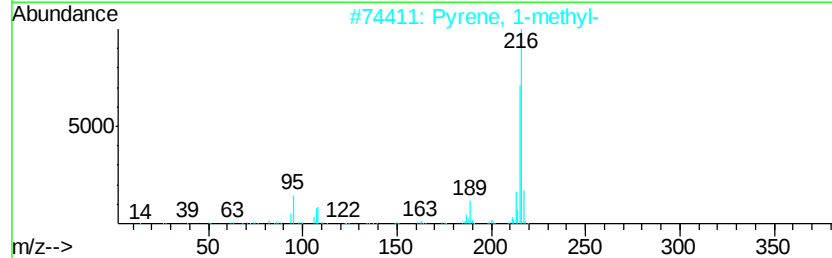
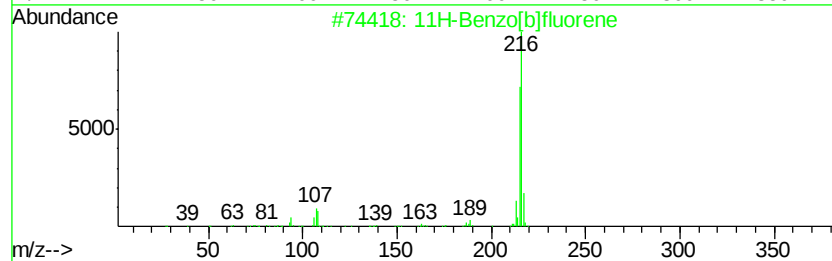
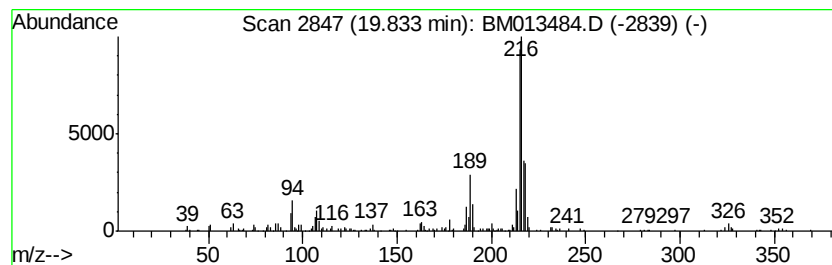
Instrument :
BNA_M
ClientSampleId :
F9A46DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.02 ng/ul	533488	Chrysene-d12	21.26
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4 87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7 81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7 81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6 70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6 64



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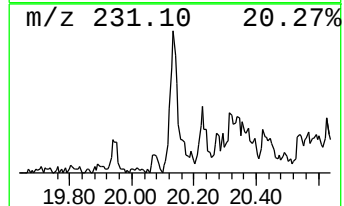
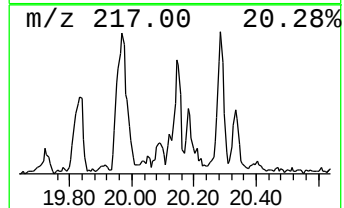
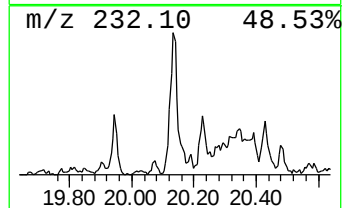
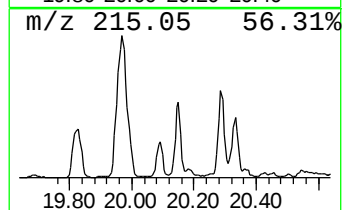
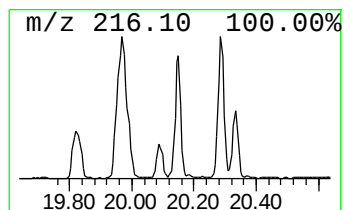
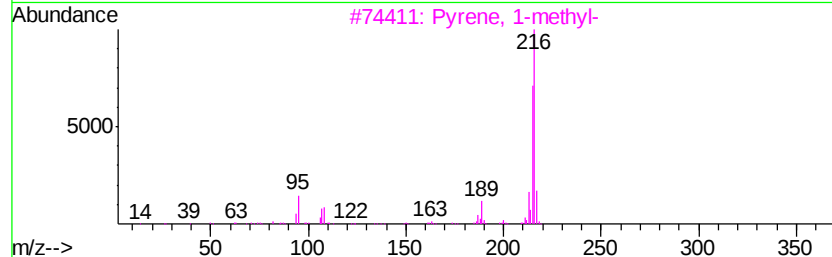
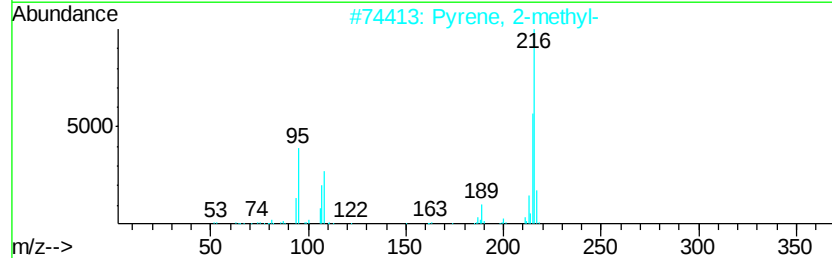
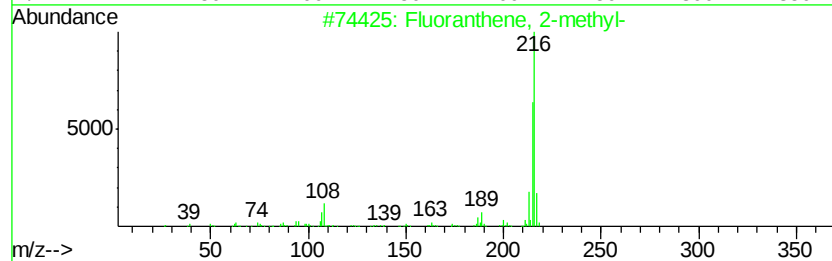
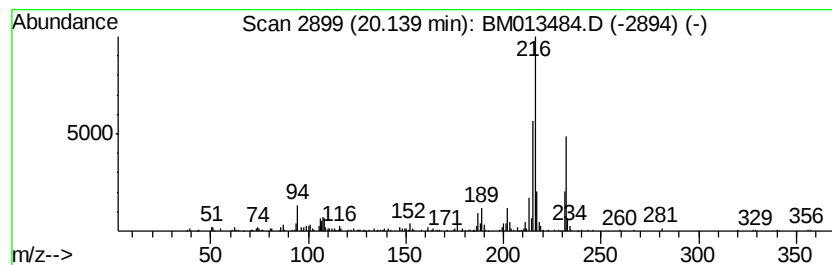
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.46 ng/ul	650325	Chrysene-d12	21.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90



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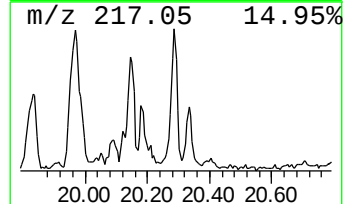
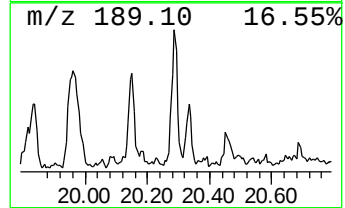
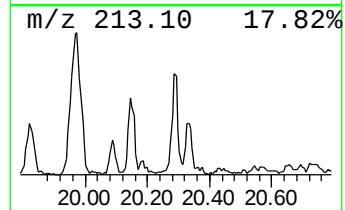
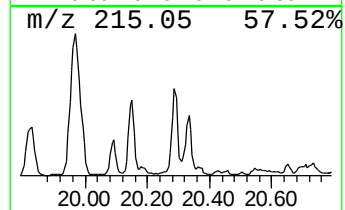
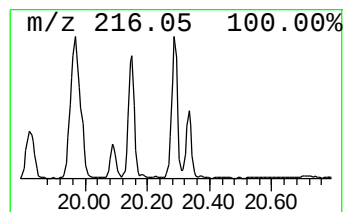
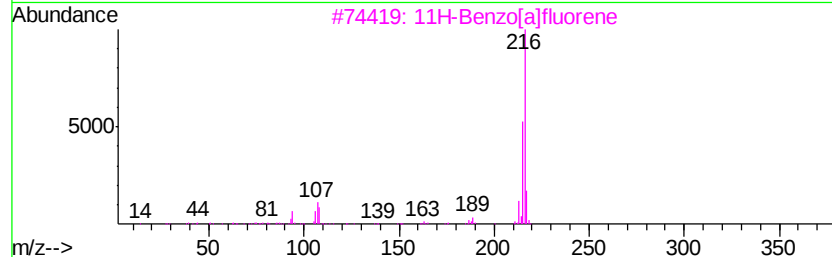
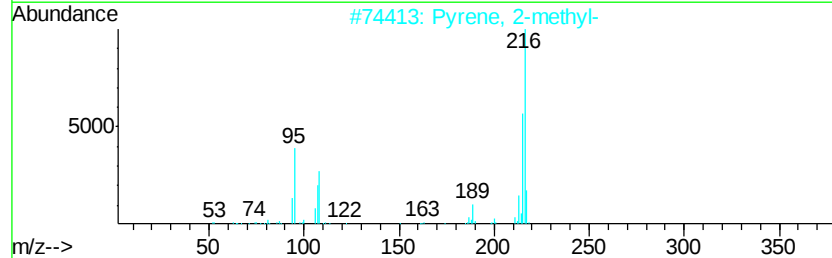
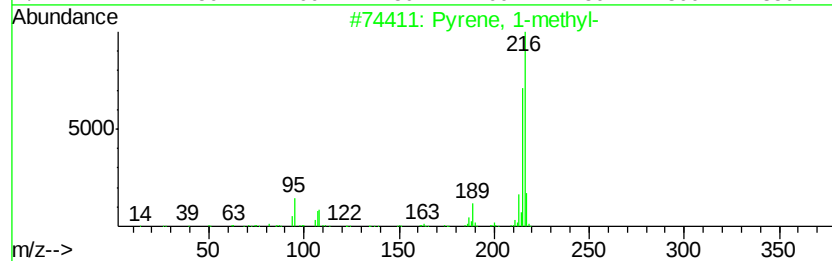
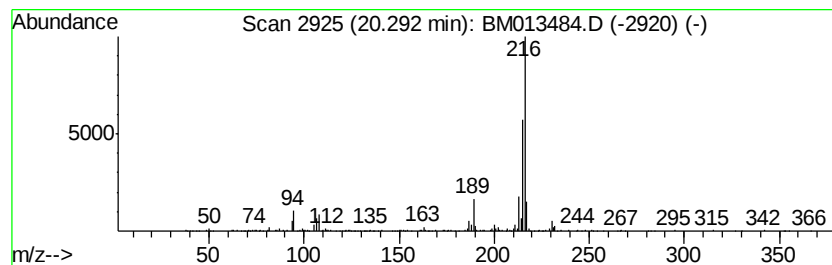
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	2.38 ng/ul	630772	Chrysene-d12	21.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-		216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-		216	C17H12	003442-78-2	95
3	11H-Benzo[a]fluorene		216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-		216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-		216	C17H12	033543-31-6	87



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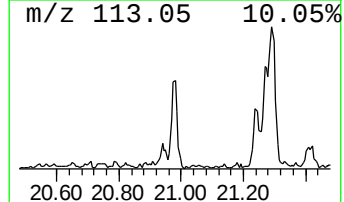
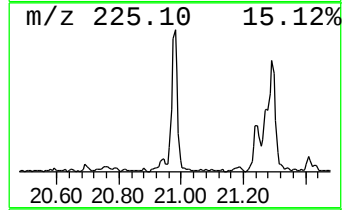
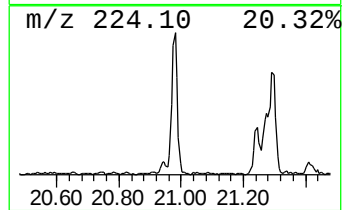
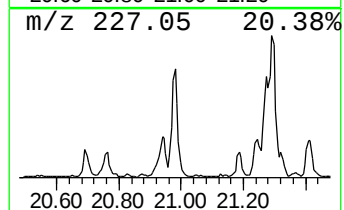
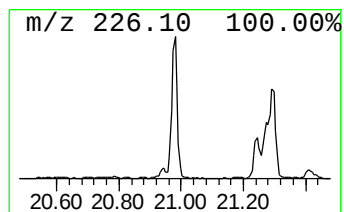
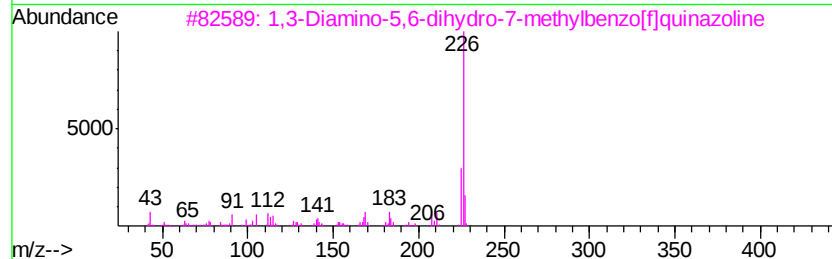
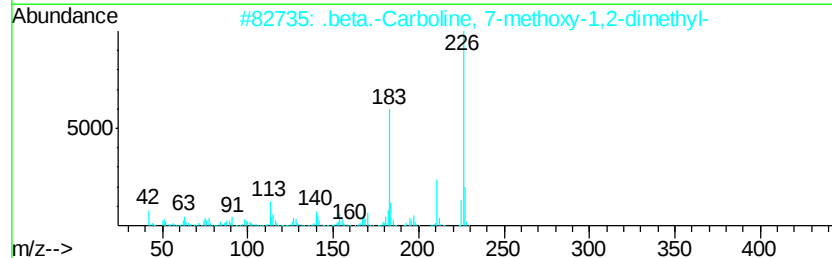
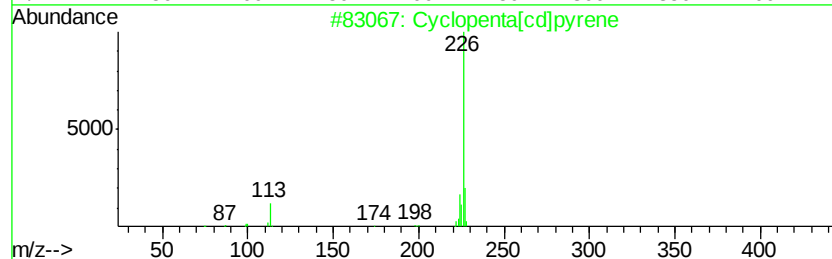
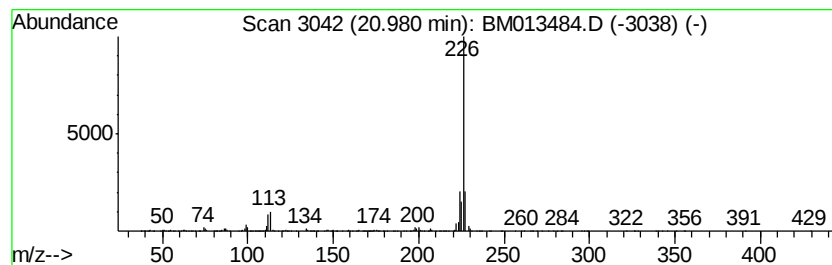
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 Cyclopenta[cd]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	4.23 ng/ul	1120780	Chrysene-d12	21.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2		.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	64
3		1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
4		9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	53
5		1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	40



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013484.D
Acq On : 16 Dec 2017 19:33
Operator : SJ/JU
Sample : I6776-17DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A46DL

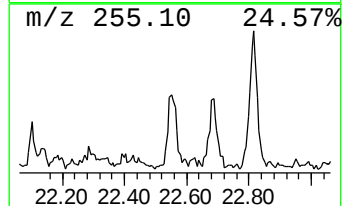
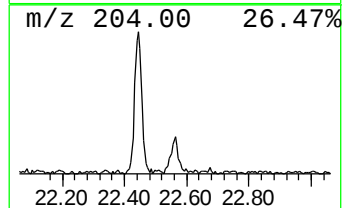
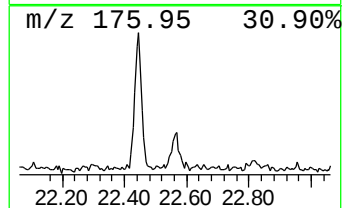
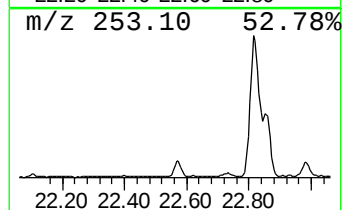
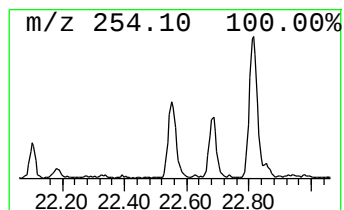
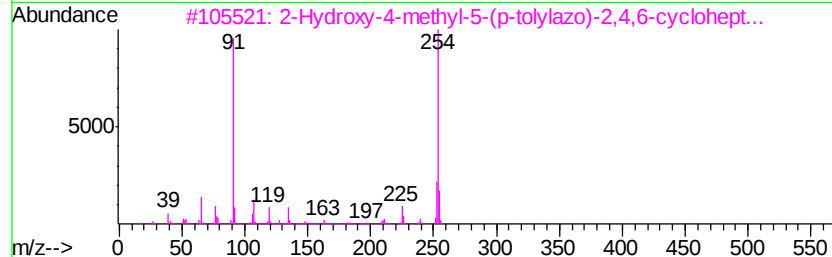
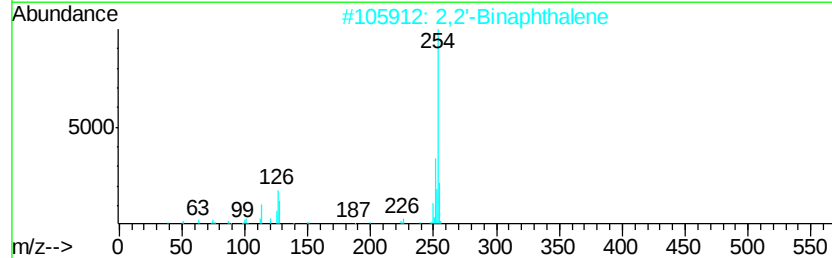
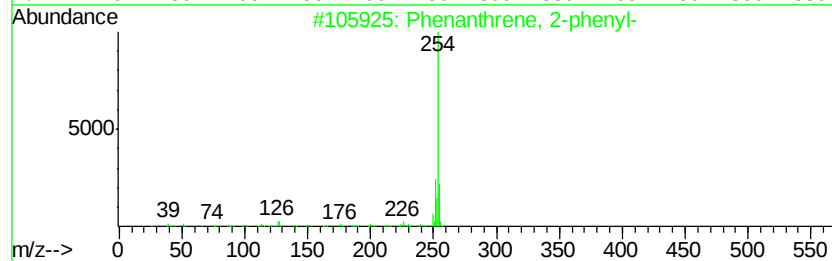
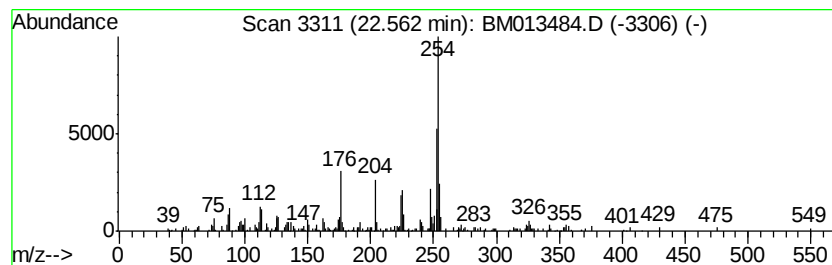
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Phenanthrene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	3.51 ng/ul	321800	Perylene-d12	23.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	59
2		2,2'-Binaphthalene	254	C20H14	000612-78-2	58
3		2-Hydroxy-4-methyl-5-(p-tolylazo...	254	C15H14N2O2	066777-90-0	58
4		Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	53
5		Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	52



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013484.D
Acq On : 16 Dec 2017 19:33
Operator : SJ/JU
Sample : I6776-17DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A46DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA 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
Cyclopenta(def)ph...	19.00	3.5	ng/ul	523759	4	17.07	2975250	20.0
11H-Benzo[b]fluorene	19.83	2.0	ng/ul	533488	5	21.26	5294920	20.0
Fluoranthene, 2-m...	20.14	2.5	ng/ul	650325	5	21.26	5294920	20.0
Pyrene, 1-methyl-	20.29	2.4	ng/ul	630772	5	21.26	5294920	20.0
Cyclopenta[cd]pyrene	20.98	4.2	ng/ul	1120780	5	21.26	5294920	20.0
Phenanthrene, 2-p...	22.56	3.5	ng/ul	321800	6	23.48	1834990	20.0