

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002120.D
 Acq On : 29 Jul 2015 12:24
 Operator : TP/UM
 Sample : G3030-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M1

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % 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-BM072715.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	3.393	117	120	125	rVB	12912	15536	1.02%	0.095%
2	6.769	687	694	703	rBB	96294	146158	9.57%	0.897%
3	6.928	715	721	727	rBB	76280	112437	7.36%	0.690%
4	7.122	748	754	761	rBB	100192	152526	9.98%	0.937%
5	7.587	827	833	840	rBB	244796	373790	24.47%	2.295%
6	8.304	949	955	964	rBB	114070	176612	11.56%	1.084%
7	8.745	1024	1030	1037	rBB	91155	147912	9.68%	0.908%
8	9.469	1147	1153	1159	rBB	83878	131428	8.60%	0.807%
9	10.004	1238	1244	1252	rBB	128450	199601	13.07%	1.226%
10	10.375	1300	1307	1313	rBV	356600	571707	37.42%	3.510%
11	10.522	1326	1332	1342	rBV	76160	122001	7.99%	0.749%
12	13.663	1861	1866	1871	rVV	264170	368800	24.14%	2.265%
13	13.710	1871	1874	1881	rVB	131115	173075	11.33%	1.063%
14	13.945	1907	1914	1924	rBV	200001	297012	19.44%	1.824%
15	14.251	1960	1966	1973	rBV2	537662	819137	53.62%	5.030%
16	14.316	1973	1977	1982	rVB	28608	38317	2.51%	0.235%
17	14.480	2000	2005	2014	rVB	30881	48106	3.15%	0.295%
18	14.657	2030	2035	2040	rVB	11787	16636	1.09%	0.102%
19	15.080	2105	2107	2110	rBV	9501	11373	0.74%	0.070%
20	15.251	2129	2136	2141	rBV	235615	332480	21.76%	2.041%
21	15.304	2141	2145	2151	rVB	24411	34967	2.29%	0.215%
22	15.386	2154	2159	2164	rVV	71304	96909	6.34%	0.595%
23	15.510	2175	2180	2185	rVB	32747	43559	2.85%	0.267%
24	15.968	2252	2258	2266	rBV3	13702	28216	1.85%	0.173%
25	16.239	2300	2304	2308	rBV	13088	15049	0.99%	0.092%
26	16.533	2347	2354	2359	rBV	17122	23824	1.56%	0.146%
27	16.657	2371	2375	2380	rVB	13669	20143	1.32%	0.124%
28	16.763	2389	2393	2397	rVV2	26275	33458	2.19%	0.205%
29	16.821	2399	2403	2408	rVV	16623	23917	1.57%	0.147%
30	16.880	2409	2413	2416	rVV2	32658	41677	2.73%	0.256%
31	16.915	2416	2419	2424	rVB2	31894	39312	2.57%	0.241%
32	17.004	2428	2434	2438	rBV	750266	1035847	67.80%	6.360%
33	17.045	2438	2441	2446	rVV	350685	451055	29.52%	2.770%
34	17.104	2446	2451	2454	rVV	251909	364638	23.87%	2.239%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002120.D
 Acq On : 29 Jul 2015 12:24
 Operator : TP/UM
 Sample : G3030-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M1

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % 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-BM072715.M
 Title : SVOA CALIBRATION

35	17.133	2454	2456	2460	rVV	68094	82744	5.42%	0.508%
36	17.180	2460	2464	2472	rVB4	39682	60256	3.94%	0.370%
37	17.410	2495	2503	2508	rBV	38333	57033	3.73%	0.350%
38	17.604	2529	2536	2541	rBV	96600	186116	12.18%	1.143%
39	17.727	2548	2557	2562	rBV5	27190	47677	3.12%	0.293%
40	17.857	2574	2579	2580	rBV	22620	28242	1.85%	0.173%
41	17.880	2580	2583	2584	rVV	19594	21002	1.37%	0.129%
42	17.898	2584	2586	2588	rVV2	34563	38057	2.49%	0.234%
43	17.927	2588	2591	2596	rVB	48070	64640	4.23%	0.397%
44	17.974	2596	2599	2602	rBV	18966	20163	1.32%	0.124%
45	18.009	2602	2605	2610	rVB2	15055	21622	1.42%	0.133%
46	18.074	2610	2616	2620	rBV3	126901	189584	12.41%	1.164%
47	18.133	2624	2626	2630	rVB	39583	44836	2.93%	0.275%
48	18.180	2630	2634	2640	rBV3	32916	43851	2.87%	0.269%
49	18.362	2661	2665	2667	rBV2	44098	60795	3.98%	0.373%
50	18.427	2672	2676	2681	rVV4	30264	57350	3.75%	0.352%
51	18.462	2681	2682	2686	rVV2	15264	16736	1.10%	0.103%
52	18.504	2686	2689	2692	rVV2	19925	23016	1.51%	0.141%
53	18.539	2692	2695	2699	rVB3	23459	29716	1.95%	0.182%
54	18.633	2708	2711	2716	rVB4	15239	21148	1.38%	0.130%
55	18.686	2716	2720	2722	rBV2	10520	12673	0.83%	0.078%
56	18.804	2735	2740	2745	rBV4	19792	42741	2.80%	0.262%
57	18.857	2745	2749	2754	rVB5	22045	30974	2.03%	0.190%
58	18.904	2754	2757	2759	rBV2	47913	54304	3.55%	0.333%
59	18.939	2759	2763	2771	rVB3	77238	145664	9.53%	0.894%
60	19.015	2774	2776	2780	rVB4	10513	12785	0.84%	0.079%
61	19.074	2780	2786	2791	rBV	631907	878182	57.48%	5.392%
62	19.139	2791	2797	2799	rBV4	26872	46435	3.04%	0.285%
63	19.215	2806	2810	2815	rVB3	77082	103236	6.76%	0.634%
64	19.280	2816	2821	2824	rBV6	31868	49787	3.26%	0.306%
65	19.315	2824	2827	2830	rVB	15155	18591	1.22%	0.114%
66	19.409	2837	2843	2845	rBV3	358784	521419	34.13%	3.202%
67	19.439	2845	2848	2853	rVV	531368	691130	45.24%	4.244%
68	19.509	2857	2860	2865	rVV2	24877	41949	2.75%	0.258%
69	19.556	2865	2868	2872	rVV3	31069	37789	2.47%	0.232%
70	19.615	2874	2878	2881	rVV	35650	54022	3.54%	0.332%
71	19.668	2883	2887	2893	rVB2	69690	116754	7.64%	0.717%

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002120.D
 Acq On : 29 Jul 2015 12:24
 Operator : TP/UM
 Sample : G3030-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M1

Integration Parameters: LSCINT.P

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

Filtering: 5
 Min Area: 0.1 % 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-BM072715.M
 Title : SVOA CALIBRATION

72	19.768	2899	2904	2905	rBV2	20815	34841	2.28%	0.214%
73	19.933	2922	2932	2937	rBV	102801	212969	13.94%	1.308%
74	19.980	2937	2940	2944	rVV2	54307	65263	4.27%	0.401%
75	20.039	2946	2950	2953	rVV	56047	68352	4.47%	0.420%
76	20.098	2956	2960	2963	rVV2	44221	68846	4.51%	0.423%
77	20.133	2963	2966	2971	rVB2	31599	40115	2.63%	0.246%
78	20.209	2976	2979	2982	rVV	36323	45478	2.98%	0.279%
79	20.239	2982	2984	2986	rVV	25669	23898	1.56%	0.147%
80	20.292	2986	2993	2996	rVV5	37456	77039	5.04%	0.473%
81	20.345	3000	3002	3008	rVB3	18850	28234	1.85%	0.173%
82	20.527	3030	3033	3037	rVB5	35852	38910	2.55%	0.239%
83	20.686	3057	3060	3066	rVB	48424	73359	4.80%	0.450%
84	20.856	3085	3089	3093	rBV3	37020	55098	3.61%	0.338%
85	20.892	3093	3095	3098	rVV	42074	46249	3.03%	0.284%
86	20.927	3098	3101	3107	rVV3	108498	199915	13.09%	1.228%
87	20.986	3109	3111	3121	rVB2	64811	105784	6.92%	0.650%
88	21.121	3131	3134	3138	rVB	126421	141570	9.27%	0.869%
89	21.209	3142	3149	3153	rVV2	908684	1527753	100.00%	9.381%
90	21.245	3153	3155	3165	rVB	292326	359785	23.55%	2.209%
91	21.362	3172	3175	3181	rBV	59651	83758	5.48%	0.514%
92	21.709	3231	3234	3237	rBV2	81891	90232	5.91%	0.554%
93	21.856	3255	3259	3264	rBV3	147129	193082	12.64%	1.186%
94	22.003	3282	3284	3287	rBV2	53517	60322	3.95%	0.370%
95	22.756	3407	3412	3416	rBV	191689	390202	25.54%	2.396%
96	23.221	3487	3491	3495	rBV	115010	191725	12.55%	1.177%
97	23.274	3496	3500	3503	rVV	123973	210522	13.78%	1.293%
98	23.315	3503	3507	3513	rVB	173829	301752	19.75%	1.853%
99	23.415	3518	3524	3529	rBV	453312	822329	53.83%	5.049%
100	25.615	3894	3898	3908	rVB2	93819	248472	16.26%	1.526%

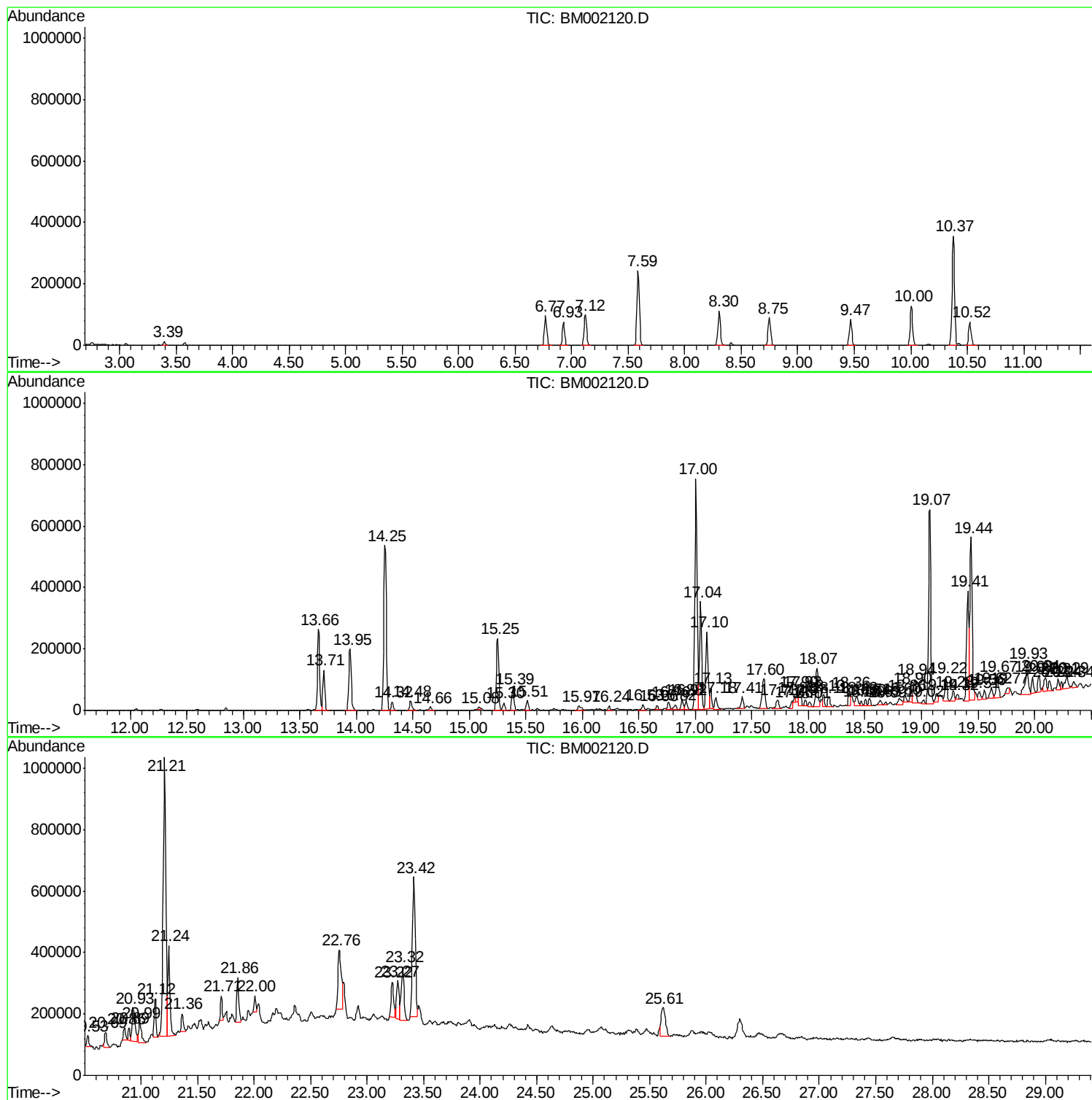
Sum of corrected areas: 16286088

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
C01M1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M1

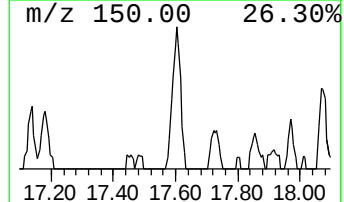
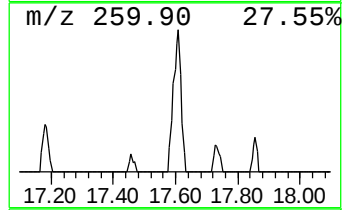
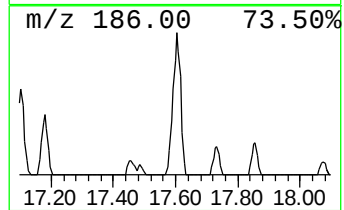
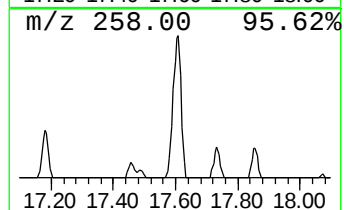
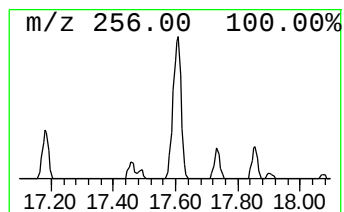
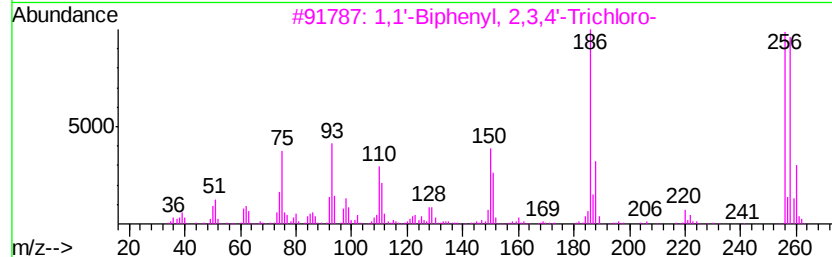
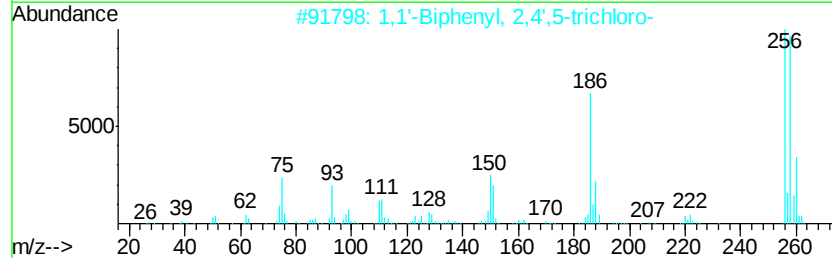
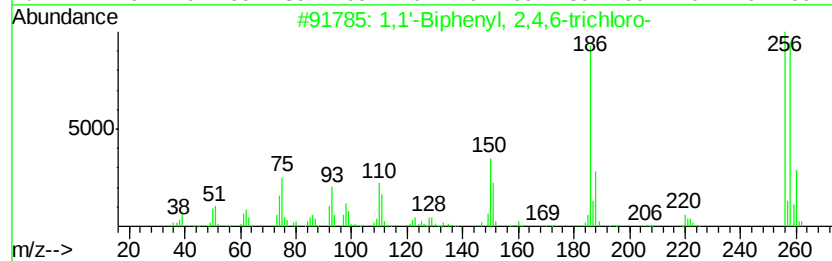
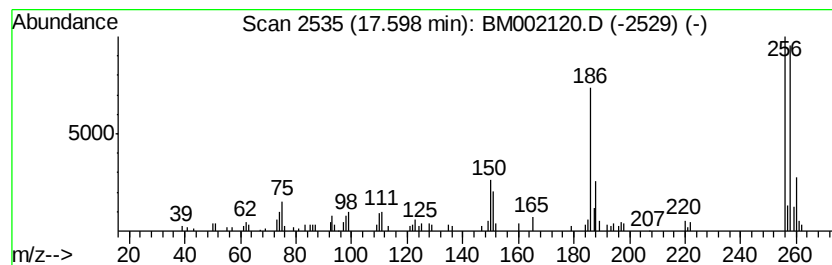
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,1'-Biphenyl, 2,4,6-trichl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	3.59 ng/ul	186116	Phenanthrene-d10	17.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	99
2			1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3			1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
4			1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
5			1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

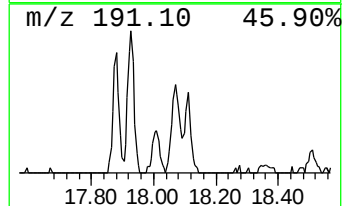
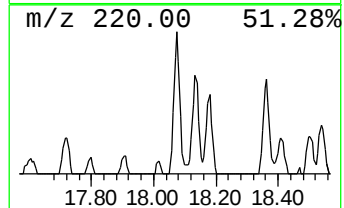
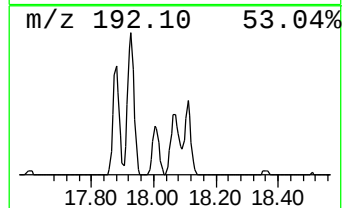
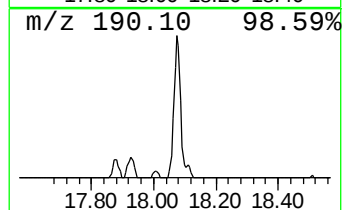
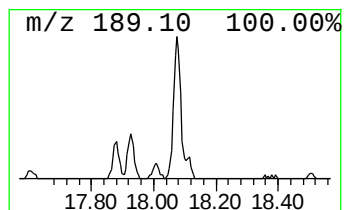
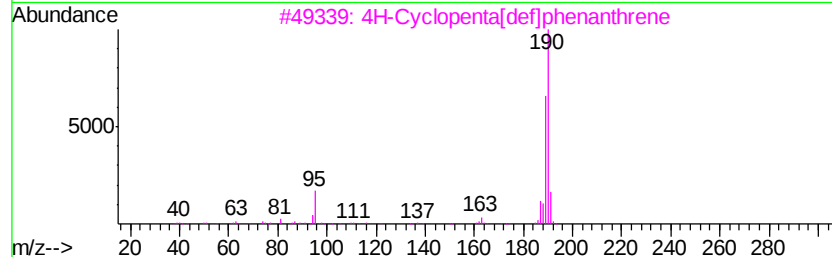
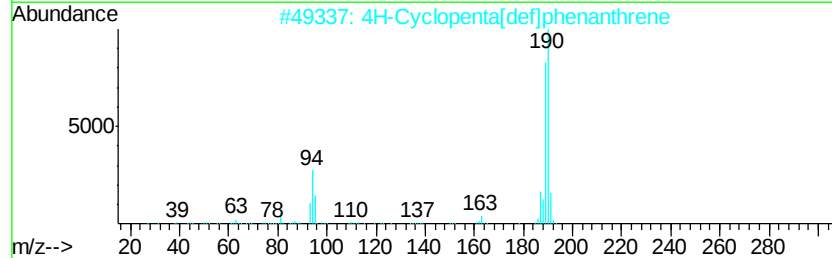
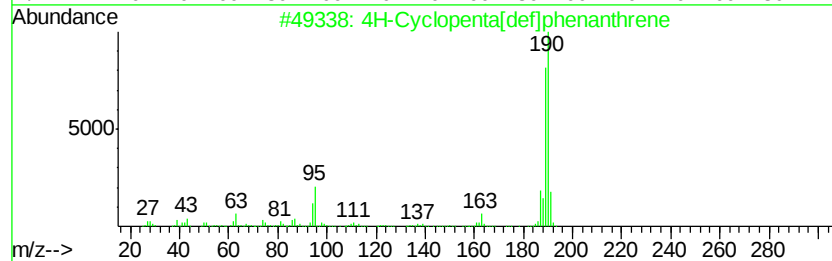
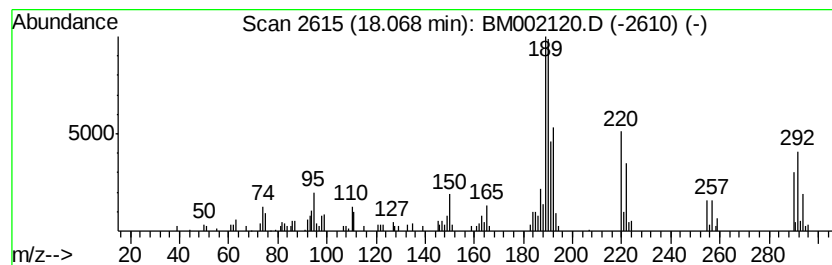
Instrument :
BNA_M
ClientSampleId :
C01M1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.07	3.66 ng/ul	189584	Phenanthrene-d10		17.00		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
3			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4			Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	25
5			Benzimidazol-2(3H)-one, 5-formyl...	190	C10H10N2O2	055241-49-1	25



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M1

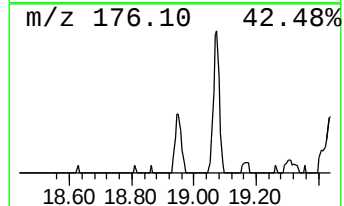
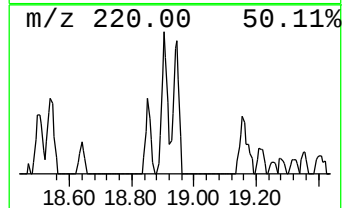
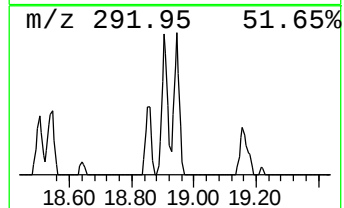
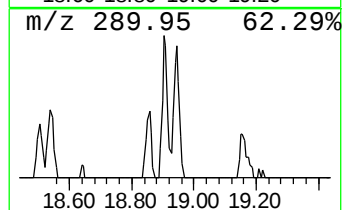
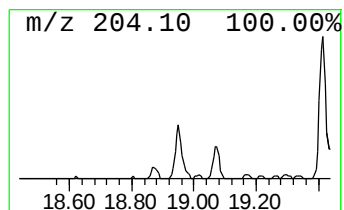
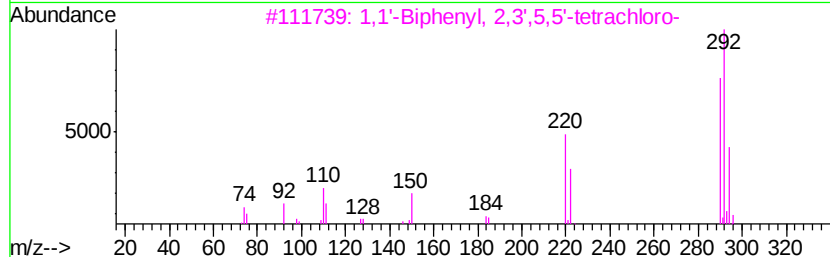
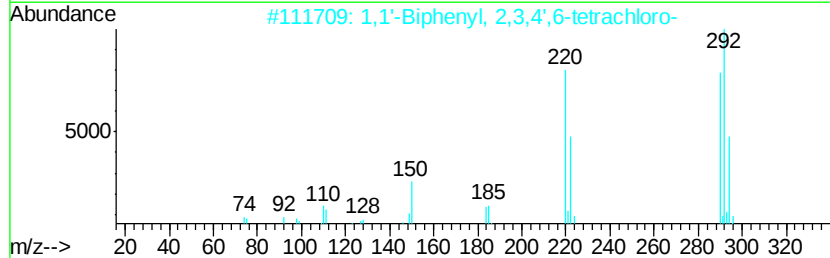
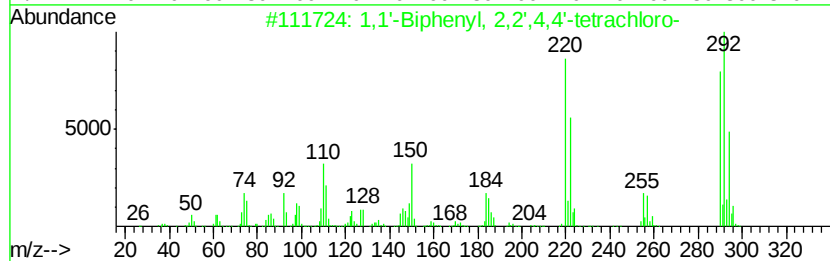
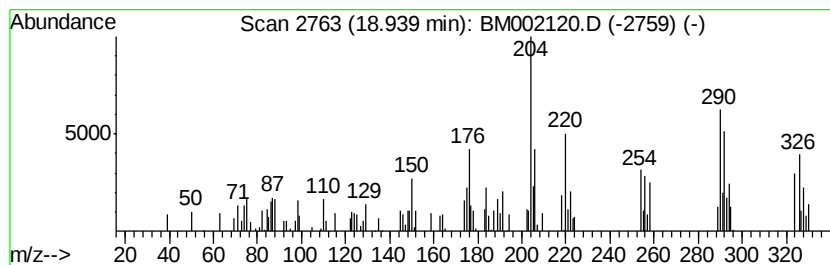
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.81 ng/ul	145664	Phenanthrene-d10	17.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	42
2			1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	38
3			1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	30
4			1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	30
5			1,1'-Biphenyl, 2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

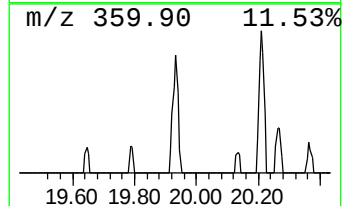
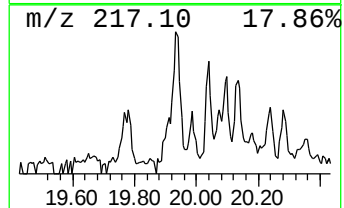
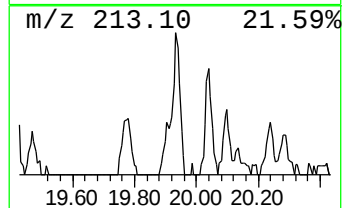
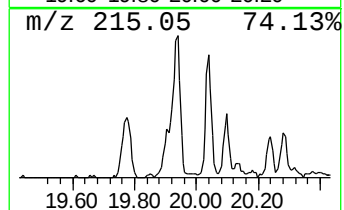
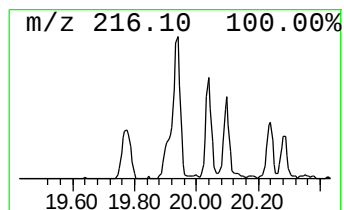
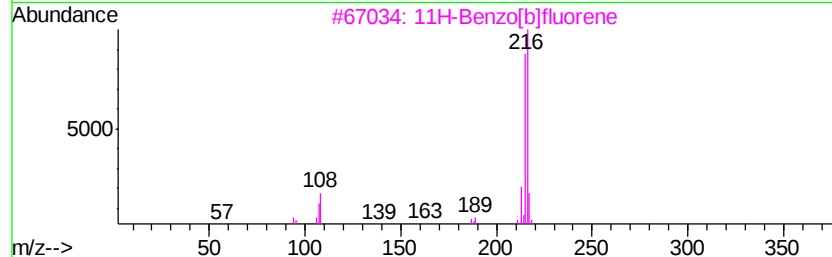
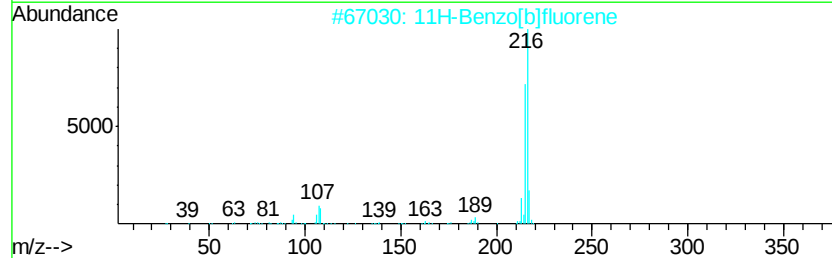
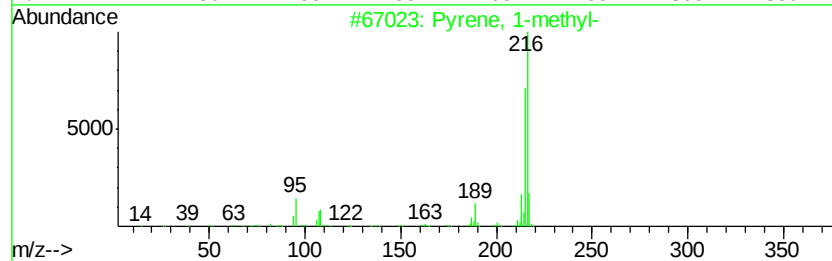
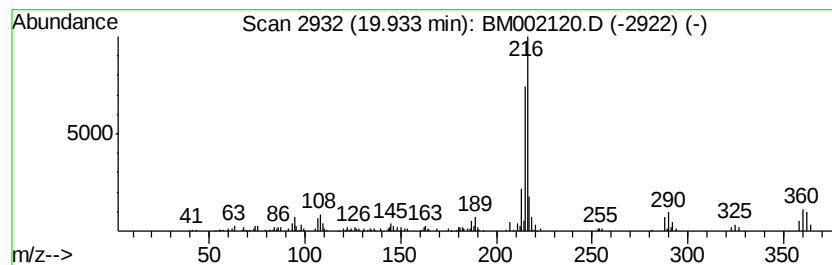
Instrument :
BNA_M
ClientSampleId :
C01M1

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.93	2.79 ng/ul	212969	Chrysene-d12	21.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M1

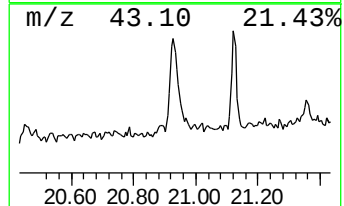
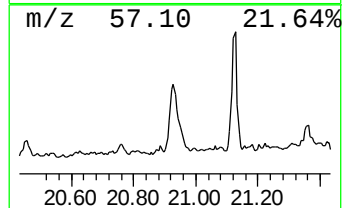
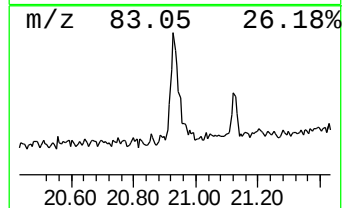
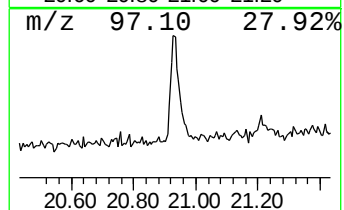
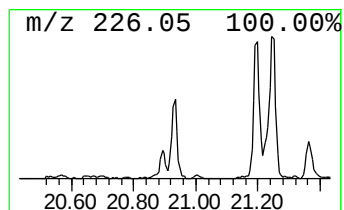
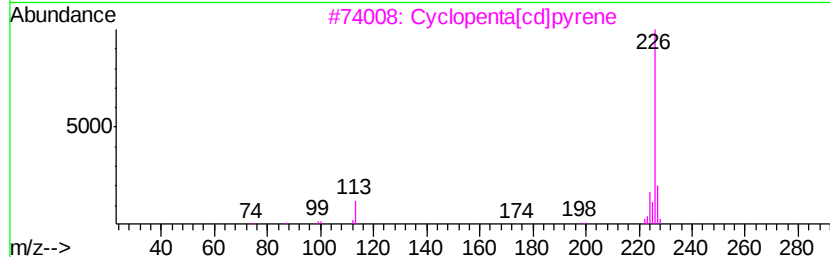
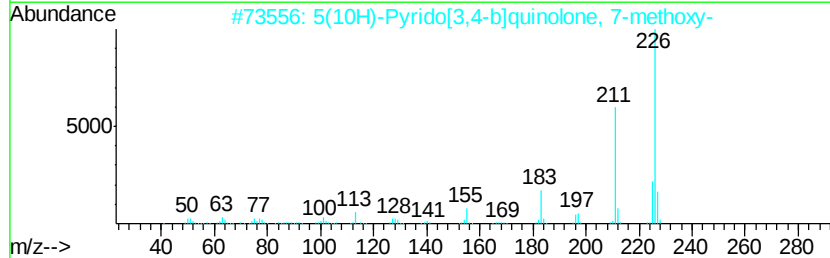
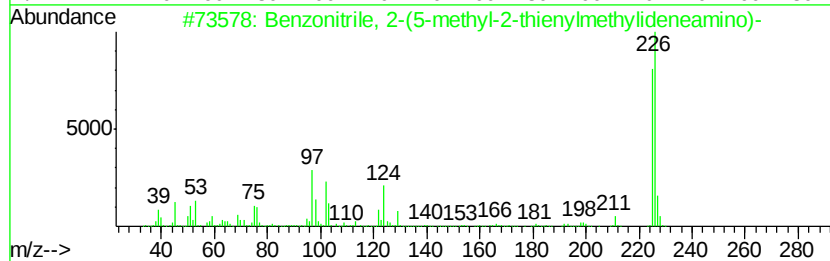
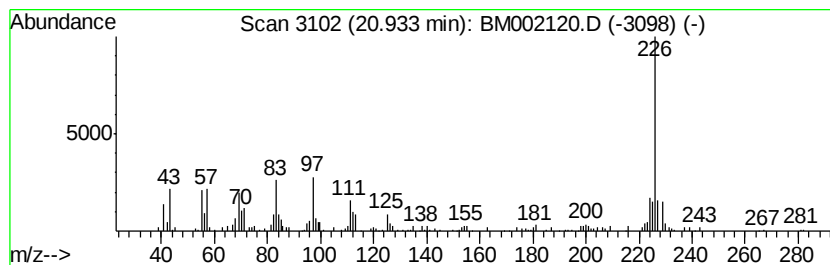
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.62 ng/ul	199915	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzonitrile, 2-(5-methyl-2-thie...	226	C13H10N2S	315670-19-0	47
2		5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	47
3		Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	47
4		2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	43
5		Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	43



Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M1

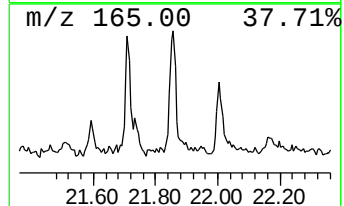
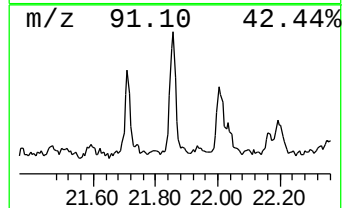
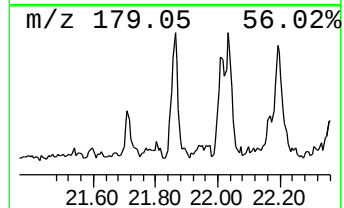
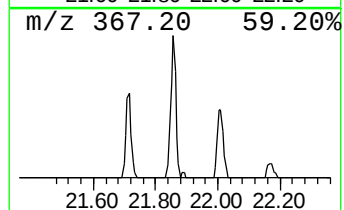
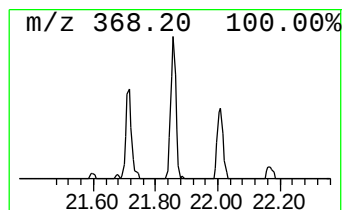
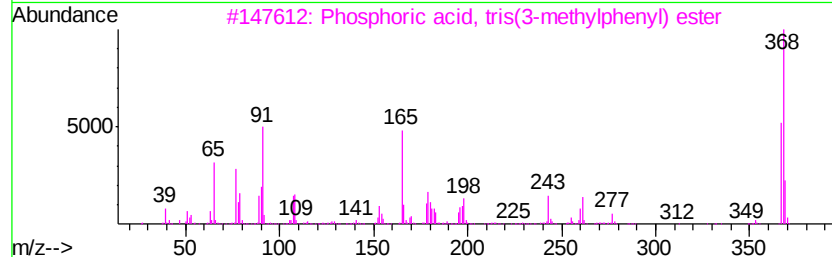
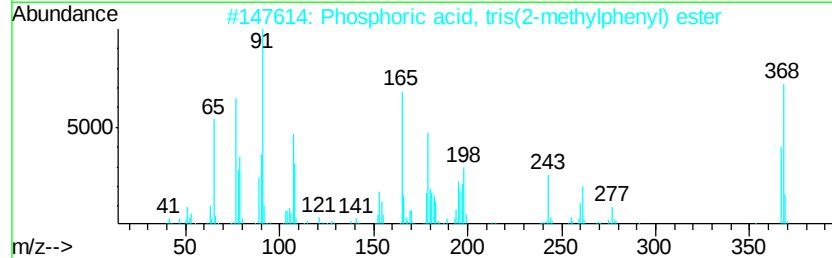
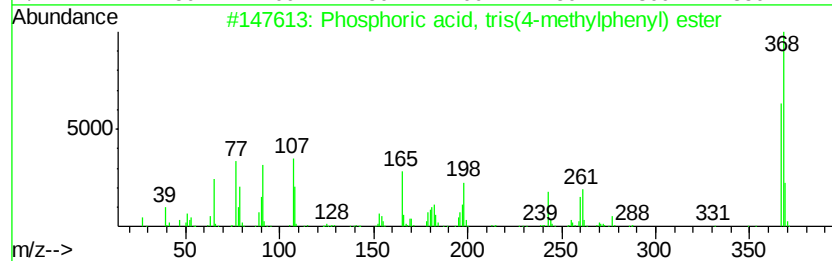
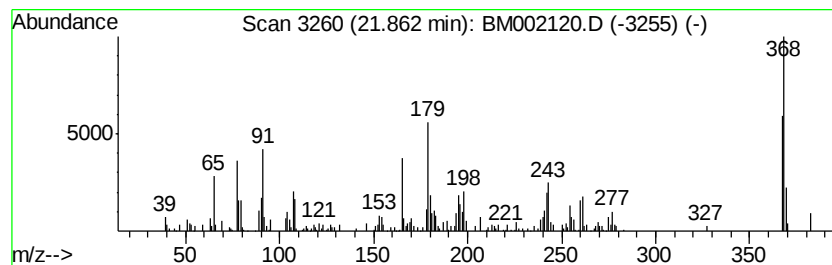
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 Phosphoric acid, tris(4-met... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	2.53 ng/ul	193082	Chrysene-d12	21.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	97
2		Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	96
3		Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	95
4		[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	92
5		Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	76



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072815\
Data File : BM002120.D
Acq On : 29 Jul 2015 12:24
Operator : TP/UM
Sample : G3030-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
1,1'-Biphenyl, 2,...	17.60	3.6	ng/ul	186116	4	17.00	1035850	20.0
unknown-01	18.07	3.7	ng/ul	189584	4	17.00	1035850	20.0
unknown-02	18.94	2.8	ng/ul	145664	4	17.00	1035850	20.0
Pyrene, 1-methyl-	19.93	2.8	ng/ul	212969	5	21.21	1527750	20.0
unknown-03	20.93	2.6	ng/ul	199915	5	21.21	1527750	20.0
Phosphoric acid, ...	21.86	2.5	ng/ul	193082	5	21.21	1527750	20.0