LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.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	2.722	4	6	13	rVB2	7837	8056	0.29%	0.036%
2	2.793	13	18	23	rVV	62754	100724	3.62%	0.451%
3	2.869	27	31	53	rVB	2076099	2782749	100.00%	12.462%
4	3.134	72	76	80	rBV2	8211	10787	0.39%	0.048%
5	3.469	129	133	140	rVV	61829	77367	2.78%	0.346%
6	3.652	160	164	168	rBV	9449	12882	0.46%	0.058%
7	4.410	290	293	298	rVB4	4204	5715	0.21%	0.026%
8	4.763	348	353	359	rVB	14895	21313	0.77%	0.095%
9	5.298	440	444	448	rBV	4071	5847	0.21%	0.026%
10	5.663	499	506	511	rBB5	9729	18970	0.68%	0.085%
11	6.816	693	702	715	rBV2	179651	340458	12.23%	1.525%
12	6.987	726	731	738	rBV	130198	200967	7.22%	0.900%
13	7.181	758	764	771	rVB	179926	275425	9.90%	1.233%
14	7.292	780	783	788	rVB	7077	9331	0.34%	0.042%
15	7.651	836	844	851	rVB	326975	504644	18.13%	2.260%
16	8.357	958	964	971	rVB	214560	329296	11.83%	1.475%
17	8.475	978	984	990	rVB	177888	280133	10.07%	1.254%
18	8.604	1002	1006	1015	rBB2	3132	7513	0.27%	0.034%
19	8.810	1035	1041	1048	rBV	169116	264198	9.49%	1.183%
20	8.916	1055	1059	1065	rBB2	3588	5522	0.20%	0.025%
21	9.528	1157	1163	1171	rBB	145447	228662	8.22%	1.024%
22	9.692	1182	1191	1200	rBV2	30842	64762	2.33%	0.290%
23	9.886	1218	1224	1229	rBV	21448	31949	1.15%	0.143%
24	10.063	1247	1254	1262	rVB	228152	373021	13.40%	1.670%
25	10.439	1310	1318	1325	rBV	442520	741450	26.64%	3.320%
26	10.492	1325	1327	1333	rVB2	6762	7160	0.26%	0.032%
27	10.580	1336	1342	1356	rBB	83040	143546	5.16%	0.643%
28	10.975	1405	1409	1414	rBB3	10906	17153	0.62%	0.077%
29	11.227	1446	1452	1458	rBV2	6225	10763	0.39%	0.048%
30	11.463	1487	1492	1497	rBB2	3494	6703	0.24%	0.030%
31	11.816	1545	1552	1557	rBV	10396	15978	0.57%	0.072%
32	12.110	1598	1602	1607	rVB2	4919	7761	0.28%	0.035%
33	12.904	1732	1737	1741	rVV2	6939	10601	0.38%	0.047%
34	13.121	1767	1774	1779	rBV2	4506	8171	0.29%	0.037%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Title : SVOA CALIBRATION

35	13.621	1855	1859	1863	rVB2	5725	7699	0.28%	0.034%
36	13.721	1870	1876	1880	rVV	384840	554977	19.94%	2.485%
37	13.763	1880	1883	1891	rVB	225106	310757	11.17%	1.392%
38	13.998	1917	1923	1935	rVB	378855	528552	18.99%	2.367%
39	14.204	1951	1958	1963	rBV	8686	11210	0.40%	0.050%
40	14.310	1968	1976	1983	rVV2	690804	1024879	36.83%	4.590%
41	14.368	1983	1986	1993	rVB	13954	19755	0.71%	0.088%
42	14.510	2003	2010	2020	rBV	156485	217547	7.82%	0.974%
43	14.668	2032	2037	2040	rBV4	6623	8663	0.31%	0.039%
44	14.704	2040	2043	2051	rVB4	11012	19570	0.70%	0.088%
45	14.786	2051	2057	2060	rBV2	4689	6584	0.24%	0.029%
46	14.821	2060	2063	2070	rVB3	3559	5538	0.20%	0.025%
47	15.104	2105	2111	2116	rBV2	10879	19239	0.69%	0.086%
48	15.157	2116	2120	2125	rVB2	16830	21547	0.77%	0.096%
49	15.304	2139	2145	2150	rBV	447005	633642	22.77%	2.838%
50	15.357	2150	2154	2159	rVV2	17510	24223	0.87%	0.108%
51	15.427	2161	2166	2173	rVB	90604	117992	4.24%	0.528%
52	15.563	2184	2189	2195	rVV5	7355	13602	0.49%	0.061%
53	15.657	2199	2205	2211	rVB3	7174	12204	0.44%	0.055%
54	15.804	2228	2230	2235	rVB5	4248	5993	0.22%	0.027%
55	16.021	2263	2267	2276	rVV2	26097	51073	1.84%	0.229%
56	16.133	2280	2286	2290	rBV6	6622	13098	0.47%	0.059%
57	16.362	2323	2325	2329	rVV4	9215	11376	0.41%	0.051%
58	16.410	2329	2333	2338	rVB4	6674	11008	0.40%	0.049%
59	16.457	2338	2341	2344	rBV4	4842	6295	0.23%	0.028%
60	16.521	2349	2352	2358	rVB5	6890	9434	0.34%	0.042%
61	16.586	2358	2363	2368	rBV7	8869	16656	0.60%	0.075%
62	16.715	2381	2385	2386	rBV2	7512	8648	0.31%	0.039%
63	16.815	2392	2402	2404	rBV3	35114	59401	2.13%	0.266%
64	16.868	2408	2411	2419	rVV4	21521	40819	1.47%	0.183%
65	17.057	2437	2443	2447	rBV	903791	1281449	46.05%	5.739%
66	17.098	2447	2450	2454	rVV	287987	368926	13.26%	1.652%
67	17.151	2454	2459	2464	rVV2	474657	687221	24.70%	3.078%
68	17.186	2464	2465	2470	rVB	55507	47758	1.72%	0.214%
69	17.245	2470	2475	2480	rBV5	14153	28154	1.01%	0.126%
70	17.327	2486	2489	2490	rBV3	5881	5728	0.21%	0.026%
71	17.462	2501	2512	2517	rBV	45146	93979	3.38%	0.421%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Title : SVOA CALIBRATION

72	17.551	2523	2527	2534	rBV3	31845	41781	1.50%	0.187%
73	17.627	2538	2540	2543	rBV4	6976	9320	0.33%	0.042%
74	17.727	2555	2557	2561	rVB5	8638	7229	0.26%	0.032%
75	17.821	2571	2573	2578	rVB2	9436	13161	0.47%	0.059%
76	17.945	2587	2594	2597	rBV2	99615	194126	6.98%	0.869%
77	17.974	2597	2599	2605	rVB2	72068	93029	3.34%	0.417%
78	18.121	2619	2624	2628	rBV2	57461	101229	3.64%	0.453%
79	18.162	2628	2631	2635	rVB	27006	32491	1.17%	0.146%
80	18.245	2642	2645	2648	rBV3	16608	17279	0.62%	0.077%
81	18.433	2674	2677	2681	rVB	39416	50836	1.83%	0.228%
82	18.480	2681	2685	2690	rBV5	30140	50132	1.80%	0.225%
83	18.527	2690	2693	2698	rVV2	73406	98166	3.53%	0.440%
84	18.756	2729	2732	2736	rVB	40941	53471	1.92%	0.239%
85	18.803	2736	2740	2744	rVB2	44803	55001	1.98%	0.246%
86	18.856	2745	2749	2752	rBV	37934	55529	2.00%	0.249%
87	18.998	2769	2773	2780	rBV6	59322	147844	5.31%	0.662%
88	19.115	2788	2793	2799	rBV	527183	732719	26.33%	3.281%
89	19.174	2800	2803	2808	rVB3	82748	109633	3.94%	0.491%
90	19.456	2846	2851	2853	rBV2	555872	807745	29.03%	3.617%
91	19.486	2853	2856	2863	rVB	472520	644590	23.16%	2.887%
92	20.968	3105	3108	3114	rBV2	102166	173569	6.24%	0.777%
93	21.250	3150	3156	3160	rBV2	1182720	1821707	65.46%	8.158%
94	21.286	3160	3162	3169	rVB	260483	324506	11.66%	1.453%
95	21.750	3237	3241	3245	rBV	398122	558241	20.06%	2.500%
96	21.897	3262	3266	3272	rBV2	671549	863094	31.02%	3.865%
97	22.050	3288	3292	3295	rBV3	347732	475316	17.08%	2.129%
98	22.803	3417	3420	3425	rBV	143424	240941	8.66%	1.079%
99	23.333	3506	3510	3514	rBV2	208394	328760	11.81%	1.472%
100	23.480	3529	3535	3541	rVB	549148	994187	35.73%	4.452%

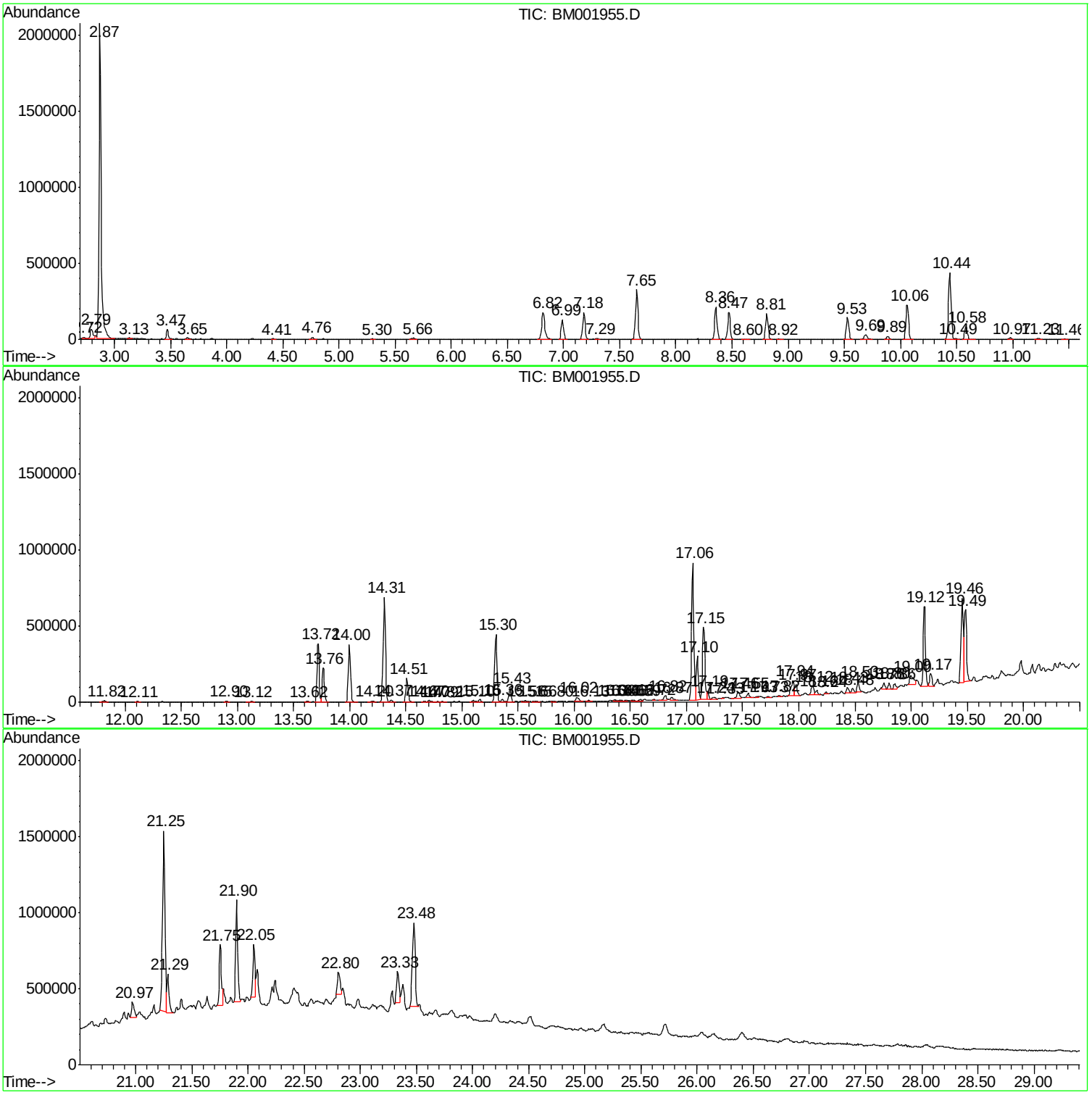
Sum of corrected areas: 22330405

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

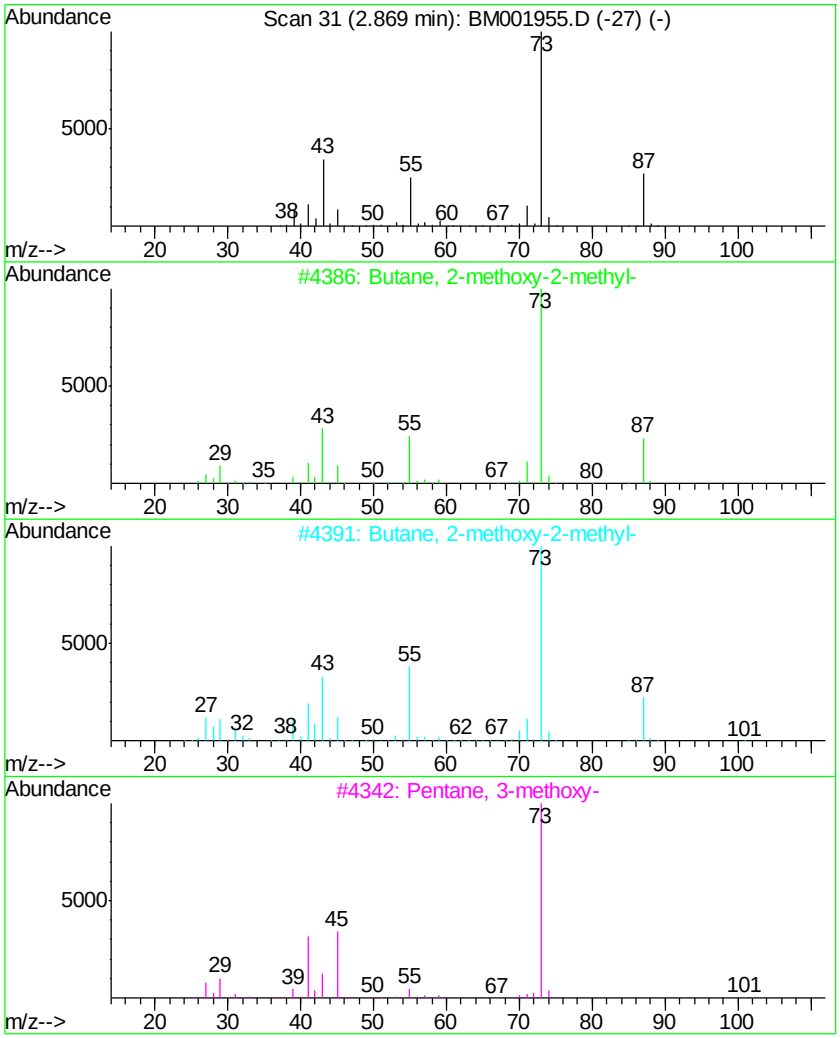
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

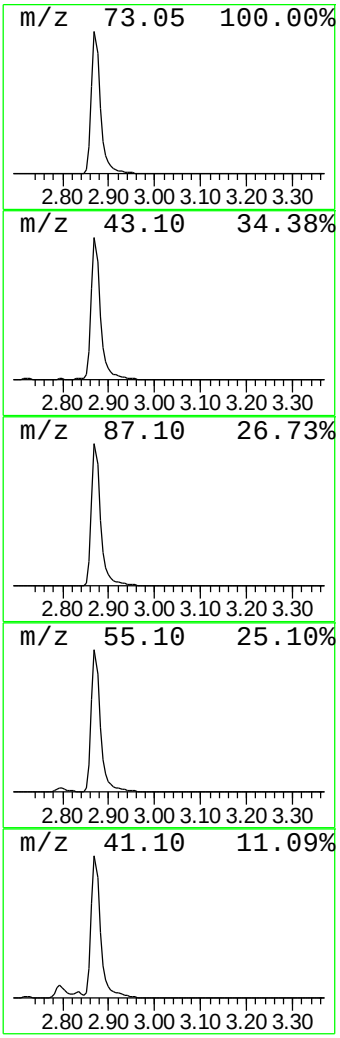
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.87	110.29 ng/ul	2782750	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

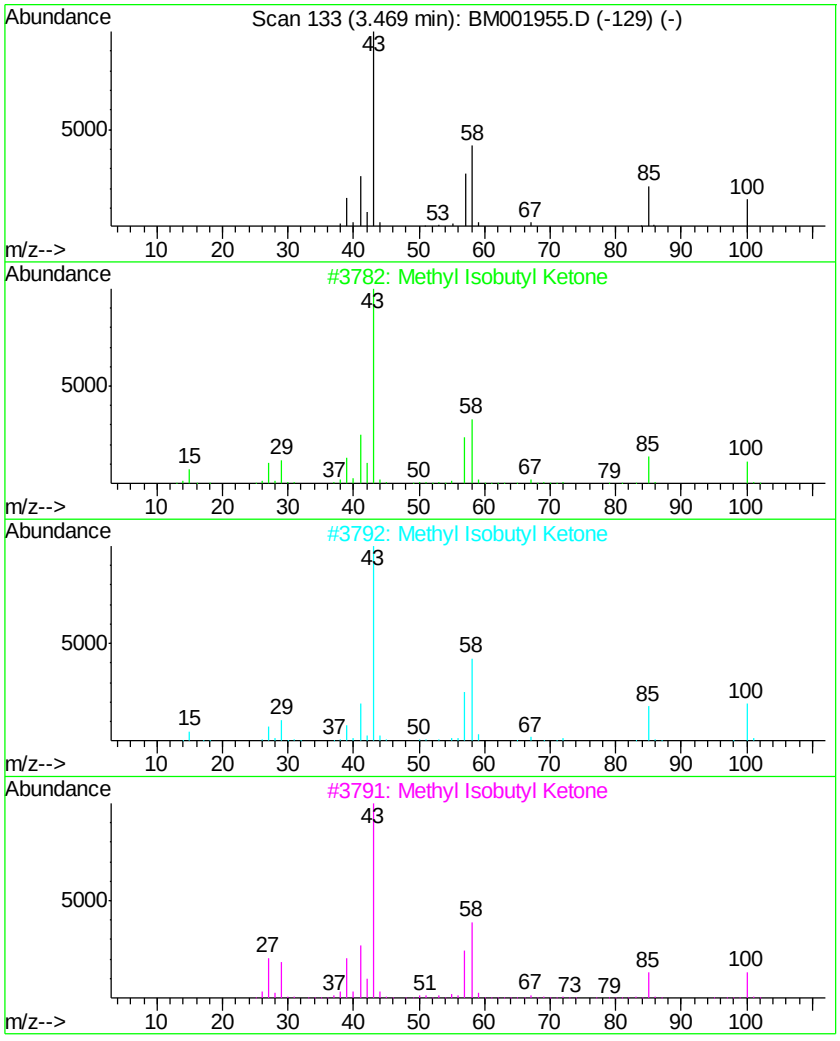
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

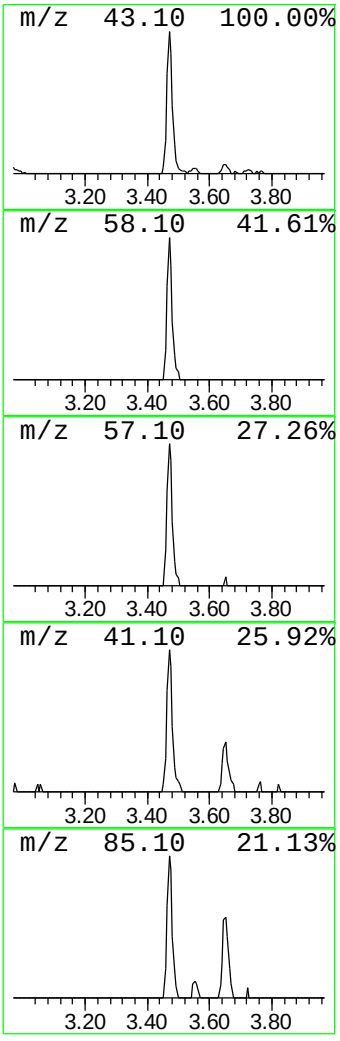
****

Peak Number 3 Methyl Isobutyl Ketone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.47	3.07 ng/ul	77367	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	91
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	80
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	78
4	2-Hexanone	100	C6H12O	000591-78-6	72
5	2-Hexanone	100	C6H12O	000591-78-6	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

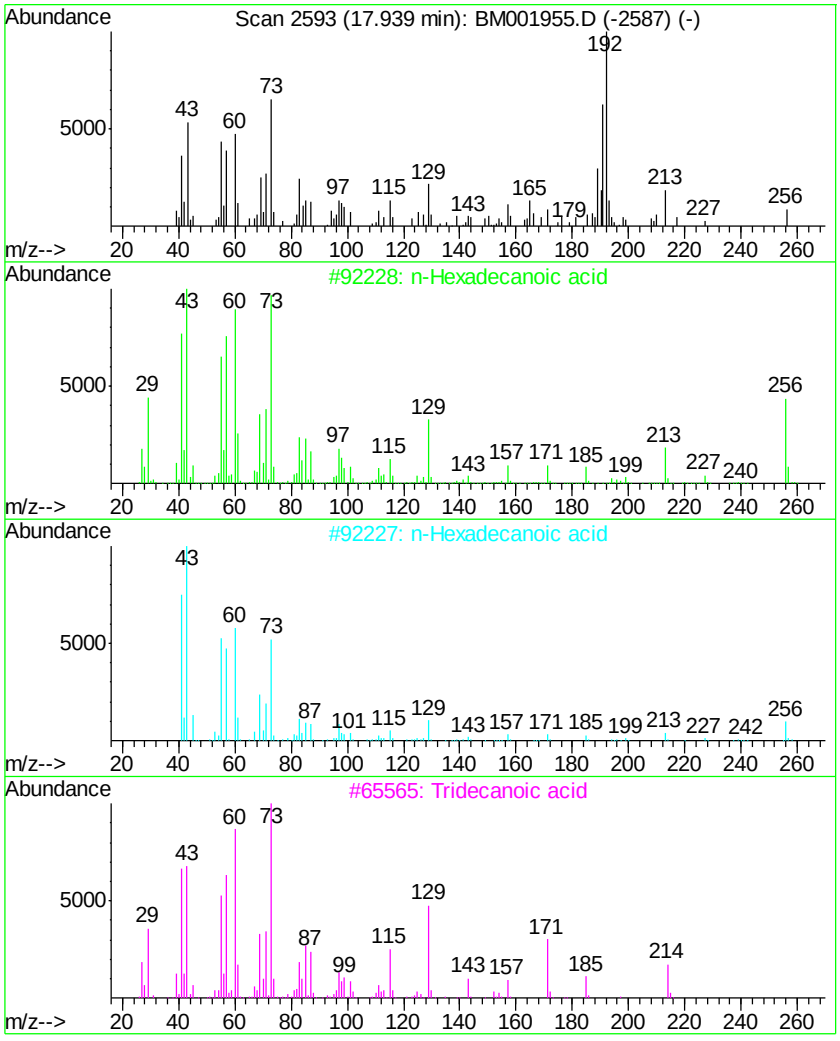
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

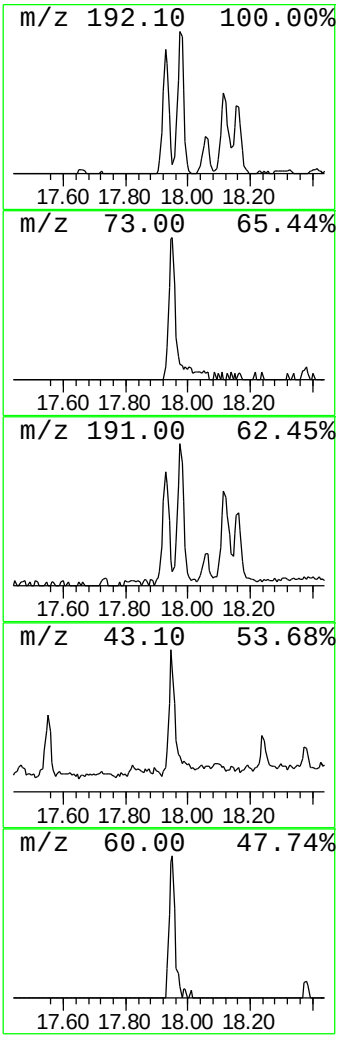
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.03 ng/ul	194126	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	86
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

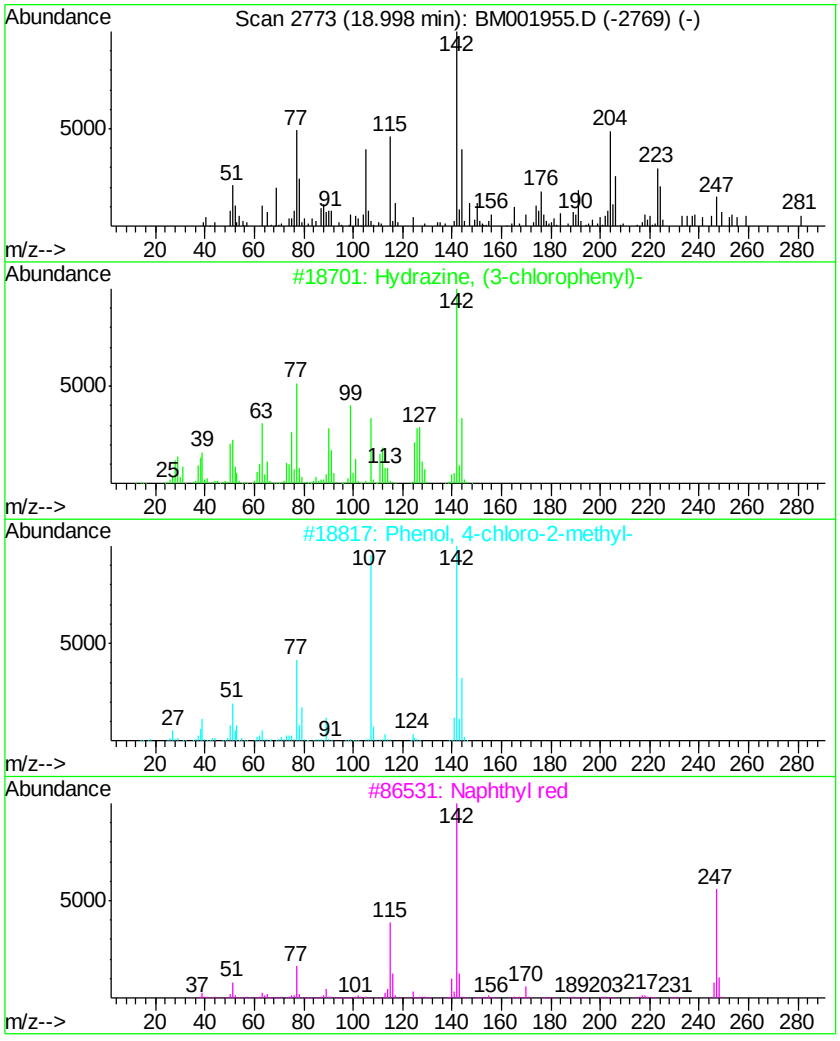
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

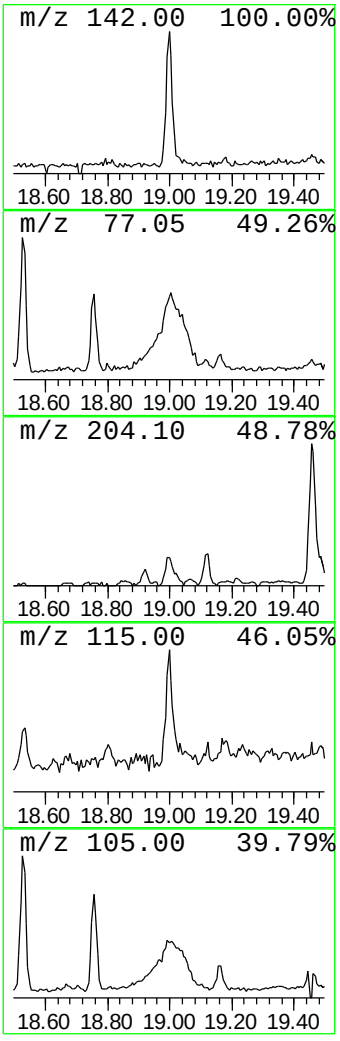
****

Peak Number 5 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	2.31 ng/ul	147844	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, (3-chlorophenyl)-	142	C6H7ClN2	014763-20-3	38
2	Phenol, 4-chloro-2-methyl-	142	C7H7ClO	001570-64-5	38
3	Naphthyl red	247	C16H13N3	000131-22-6	35
4	Acetonitrile, 2-(3-cyanophenyl)-	142	C9H6N2	016532-78-8	30
5	5-Chloro-1,3-phenylenediamine	142	C6H7ClN2	033786-89-9	27





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

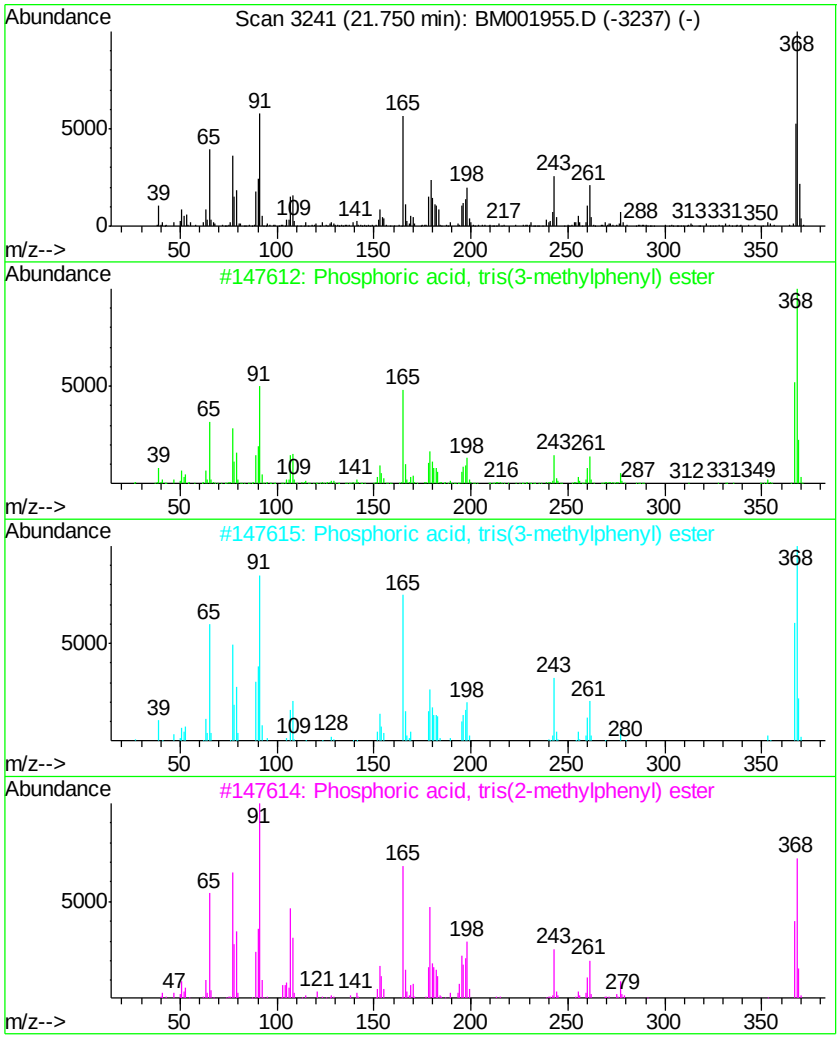
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

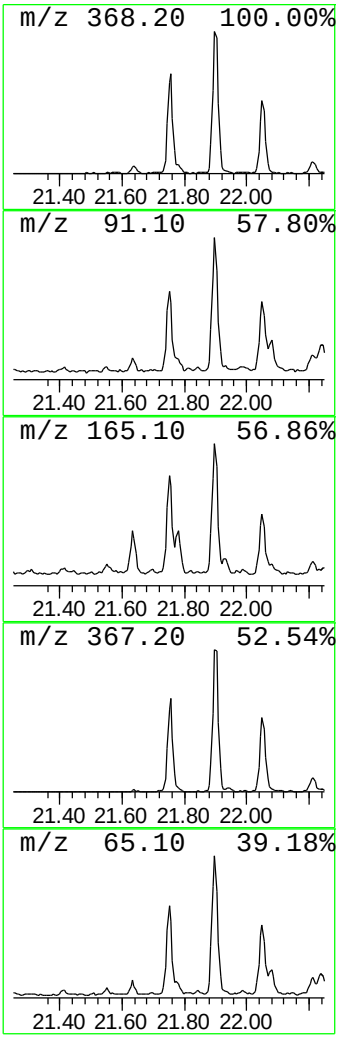
****

Peak Number 6 Phosphoric acid, tris(3-met... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.75	6.13 ng/ul	558241	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
3	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	91
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	89
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

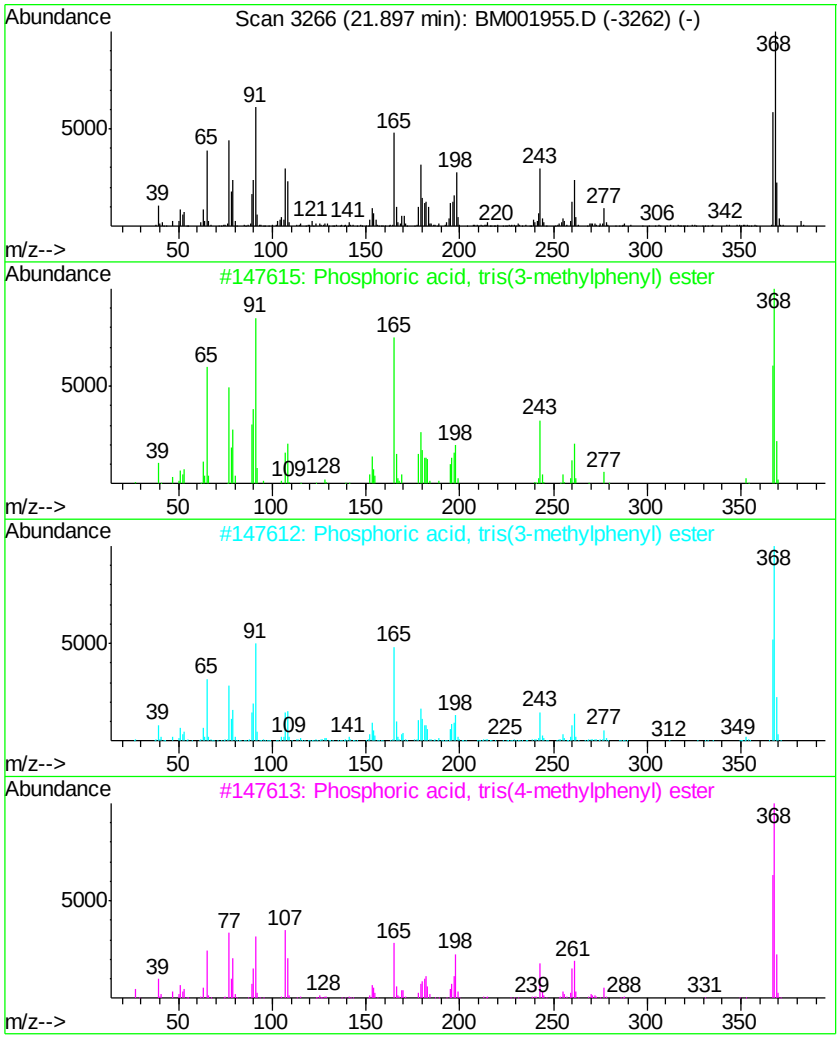
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

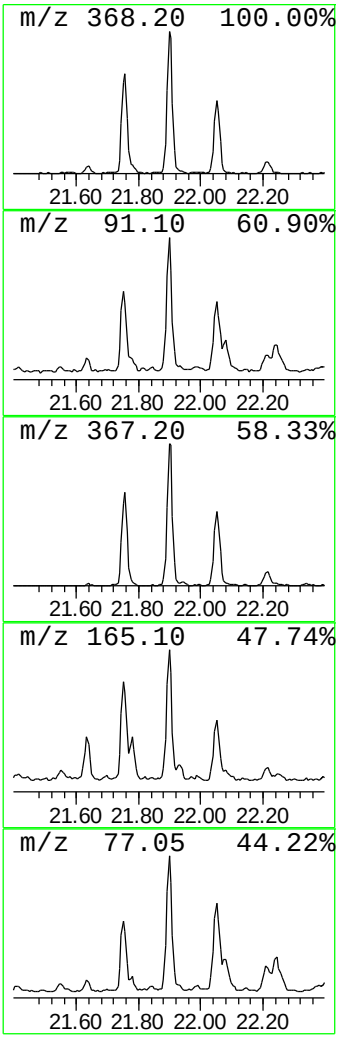
****

Peak Number 7 Phosphoric acid, tris(4-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.90	9.48 ng/ul	863094	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	97
4	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	96
5	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

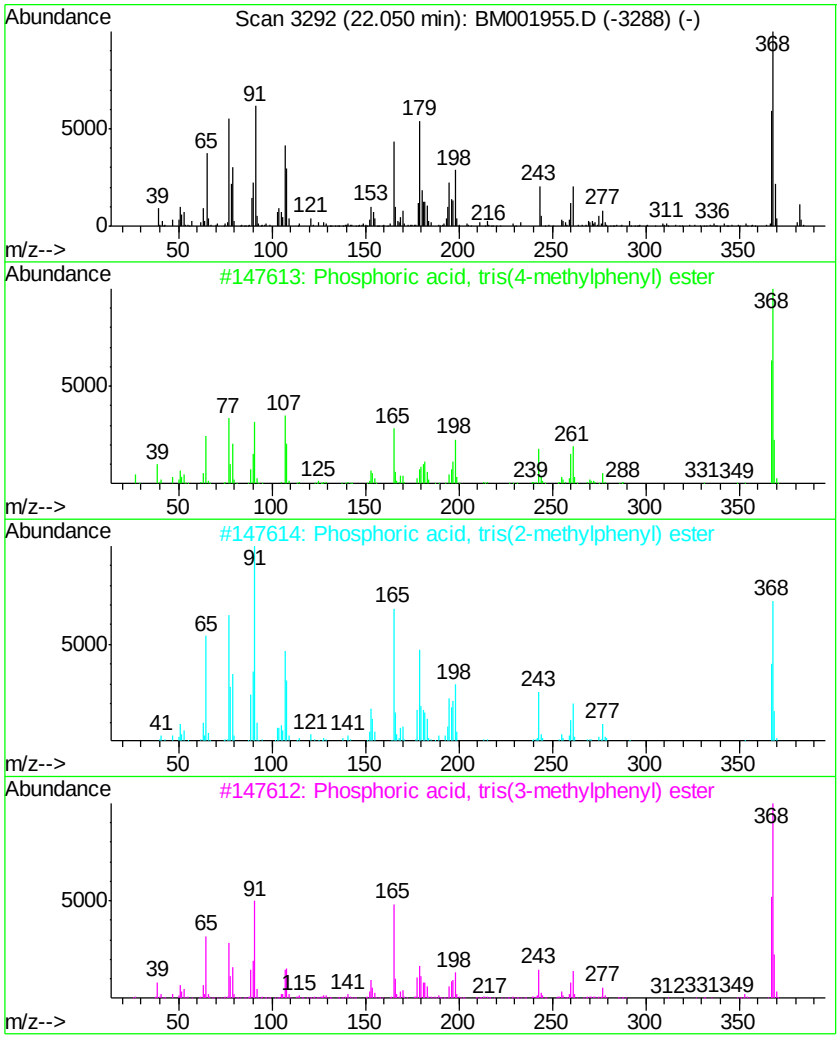
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

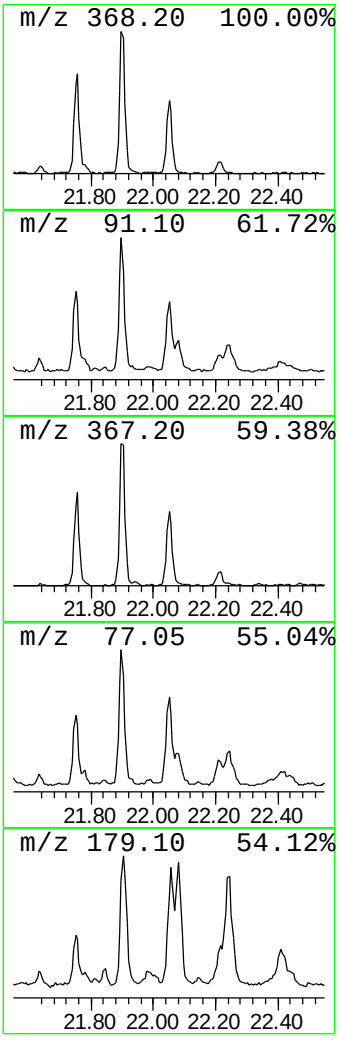
****

Peak Number 8 Phosphoric acid, tris(2-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.05	5.22 ng/ul	475316	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
2	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	99
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	83
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071615\
Data File : BM001955.D
Acq On : 16 Jul 2015 20:32
Operator : TP/UM
Sample : G2998-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01F4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071315.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.87	110.3	ng/ul	2782750	1	7.65	504644	20.0
Methyl Isobutyl K...	3.47	3.1	ng/ul	77367	1	7.65	504644	20.0
n-Hexadecanoic acid	17.94	3.0	ng/ul	194126	4	17.06	1281450	20.0
unknown-01	19.00	2.3	ng/ul	147844	4	17.06	1281450	20.0
Phosphoric acid, ...	21.75	6.1	ng/ul	558241	5	21.25	1821710	20.0
Phosphoric acid, ...	21.90	9.5	ng/ul	863094	5	21.25	1821710	20.0
Phosphoric acid, ...	22.05	5.2	ng/ul	475316	5	21.25	1821710	20.0