LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM082316.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	6.957	735	743	761	rVB2	408786	970129	9.59%	0.666%
2	7.128	765	772	780	rBV	261148	416555	4.12%	0.286%
3	7.228	784	789	800	rVV2	54074	132169	1.31%	0.091%
4	7.328	800	806	815	rVB	351924	581158	5.74%	0.399%
5	7.793	876	885	892	rBV	709152	1148683	11.35%	0.788%
6	8.492	995	1004	1013	rBV	455402	751598	7.43%	0.516%
7	8.945	1074	1081	1089	rBV	377607	631070	6.24%	0.433%
8	9.663	1196	1203	1211	rVB	316253	528686	5.22%	0.363%
9	9.828	1220	1231	1240	rBV	118491	270983	2.68%	0.186%
10	10.198	1283	1294	1304	rBV	491082	876690	8.66%	0.602%
11	10.575	1349	1358	1373	rBV	1102921	1942221	19.19%	1.333%
12	10.716	1376	1382	1395	rBV	133604	277173	2.74%	0.190%
13	12.169	1624	1629	1638	rVB2	139881	263062	2.60%	0.181%
14	12.275	1641	1647	1658	rVB	433401	711094	7.03%	0.488%
15	13.833	1904	1912	1916	rBV	1067955	1501849	14.84%	1.031%
16	13.880	1916	1920	1928	rVB	587726	817604	8.08%	0.561%
17	14.116	1954	1960	1972	rVB	1198730	1792977	17.72%	1.230%
18	14.427	2001	2013	2021	rBV2	1907203	3063232	30.27%	2.102%
19	14.627	2041	2047	2057	rBV	405169	733409	7.25%	0.503%
20	14.933	2094	2099	2105	rVB	83103	123762	1.22%	0.085%
21	15.416	2175	2181	2188	rBV	1605695	2342441	23.14%	1.607%
22	15.539	2196	2202	2209	rBV	463335	671479	6.63%	0.461%
23	15.780	2234	2243	2248	rVB5	50993	114501	1.13%	0.079%
24	15.968	2271	2275	2279	rBV	80653	110818	1.09%	0.076%
25	16.133	2299	2303	2310	rBV	84803	130690	1.29%	0.090%
26	16.568	2373	2377	2382	rVB	87989	108520	1.07%	0.074%
27	16.821	2415	2420	2426	rVB2	98480	146667	1.45%	0.101%
28	17.039	2452	2457	2460	rBV	154389	242226	2.39%	0.166%
29	17.168	2473	2479	2484	rBV2	2786417	4000506	39.53%	2.745%
30	17.262	2488	2495	2504	rVB	1888873	3236980	31.98%	2.221%
31	17.445	2520	2526	2530	rBV4	113864	210405	2.08%	0.144%
32	17.574	2538	2548	2552	rBV4	131108	293702	2.90%	0.202%
33	17.774	2576	2582	2587	rBV9	62018	148122	1.46%	0.102%
34	17.998	2616	2620	2626	rBV	224066	403757	3.99%	0.277%

LSC Area Percent Report

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Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM082316.M
Title : SVOA CALIBRATION

35	18.062	2626	2631	2635	rVV	1303203	1814154	17.92%	1.245%
36	18.127	2639	2642	2647	rVB	438722	604436	5.97%	0.415%
37	18.298	2668	2671	2675	rBV2	102287	151691	1.50%	0.104%
38	18.357	2678	2681	2685	rVB3	154632	194667	1.92%	0.134%
39	18.545	2709	2713	2717	rVB	196877	236646	2.34%	0.162%
40	19.057	2797	2800	2802	rBV2	159514	190696	1.88%	0.131%
41	19.209	2822	2826	2831	rBV2	530603	928588	9.17%	0.637%
42	19.339	2845	2848	2850	rBV2	361060	433891	4.29%	0.298%
43	19.468	2867	2870	2876	rBV	369824	500764	4.95%	0.344%
44	19.562	2881	2886	2895	rBV2	2521595	4327702	42.76%	2.970%
45	19.639	2895	2899	2902	rBV	650460	810815	8.01%	0.556%
46	19.815	2926	2929	2935	rVB3	416385	596231	5.89%	0.409%
47	20.080	2971	2974	2980	rVB3	468583	657199	6.49%	0.451%
48	20.245	2998	3002	3006	rVB	1053425	1359688	13.43%	0.933%
49	20.380	3022	3025	3029	rBV	699375	816438	8.07%	0.560%
50	20.427	3030	3033	3037	rVB	986704	1241807	12.27%	0.852%
51	20.598	3059	3062	3066	rVB	578859	720168	7.12%	0.494%
52	20.674	3072	3075	3078	rBV3	571105	723243	7.15%	0.496%
53	20.833	3099	3102	3109	rVB2	1019931	1858313	18.36%	1.275%
54	20.921	3114	3117	3122	rVB	1145585	1396391	13.80%	0.958%
55	20.974	3122	3126	3128	rBV	1465870	1823078	18.01%	1.251%
56	21.003	3128	3131	3136	rVB2	1784951	2469232	24.40%	1.694%
57	21.062	3137	3141	3144	rBV2	1164171	1599778	15.81%	1.098%
58	21.145	3152	3155	3159	rBV	625694	913306	9.02%	0.627%
59	21.239	3168	3171	3172	rBV	552084	567400	5.61%	0.389%
60	21.262	3172	3175	3179	rVV	1822533	2135447	21.10%	1.465%
61	21.350	3184	3190	3194	rVV3	5271989	10120987	100.00%	6.945%
62	21.392	3194	3197	3206	rVB2	2653471	4501901	44.48%	3.089%
63	21.468	3206	3210	3214	rBV2	1961516	2823941	27.90%	1.938%
64	21.580	3226	3229	3234	rVB3	1654716	2590269	25.59%	1.778%
65	21.721	3250	3253	3257	rBV	605383	862172	8.52%	0.592%
66	21.856	3272	3276	3278	rBV3	1052550	1562222	15.44%	1.072%
67	21.915	3278	3286	3291	rVV	4186565	9296838	91.86%	6.380%
68	21.968	3291	3295	3299	rVB	2928899	4037621	39.89%	2.771%
69	22.109	3317	3319	3323	rVB2	837504	957833	9.46%	0.657%
70	22.209	3333	3336	3341	rBV2	1185438	1726891	17.06%	1.185%
71	22.409	3366	3370	3372	rBV	1406611	1984570	19.61%	1.362%

LSC Area Percent Report

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Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM082316.M
Title : SVOA CALIBRATION

72	22.521	3385	3389	3393	rBV	1761676	3018113	29.82%	2.071%
73	22.574	3395	3398	3405	rVB	2389678	4183650	41.34%	2.871%
74	22.639	3406	3409	3414	rVB	1140736	1609919	15.91%	1.105%
75	22.844	3441	3444	3449	rVB4	1315463	1924171	19.01%	1.320%
76	22.921	3452	3457	3472	rVB2	2830746	5262420	52.00%	3.611%
77	23.491	3548	3554	3559	rBV2	3790306	6476697	63.99%	4.444%
78	23.633	3573	3578	3583	rBV	2347474	4252535	42.02%	2.918%
79	24.144	3659	3665	3676	rVB2	3539490	7892307	77.98%	5.416%
80	24.897	3787	3793	3808	rVB	2114046	5690756	56.23%	3.905%
81	25.785	3937	3944	3957	rVB	1606685	4306296	42.55%	2.955%
82	26.715	4096	4102	4110	rVB4	712111	1875095	18.53%	1.287%

Sum of corrected areas: 145723891

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Sample : H4655-04
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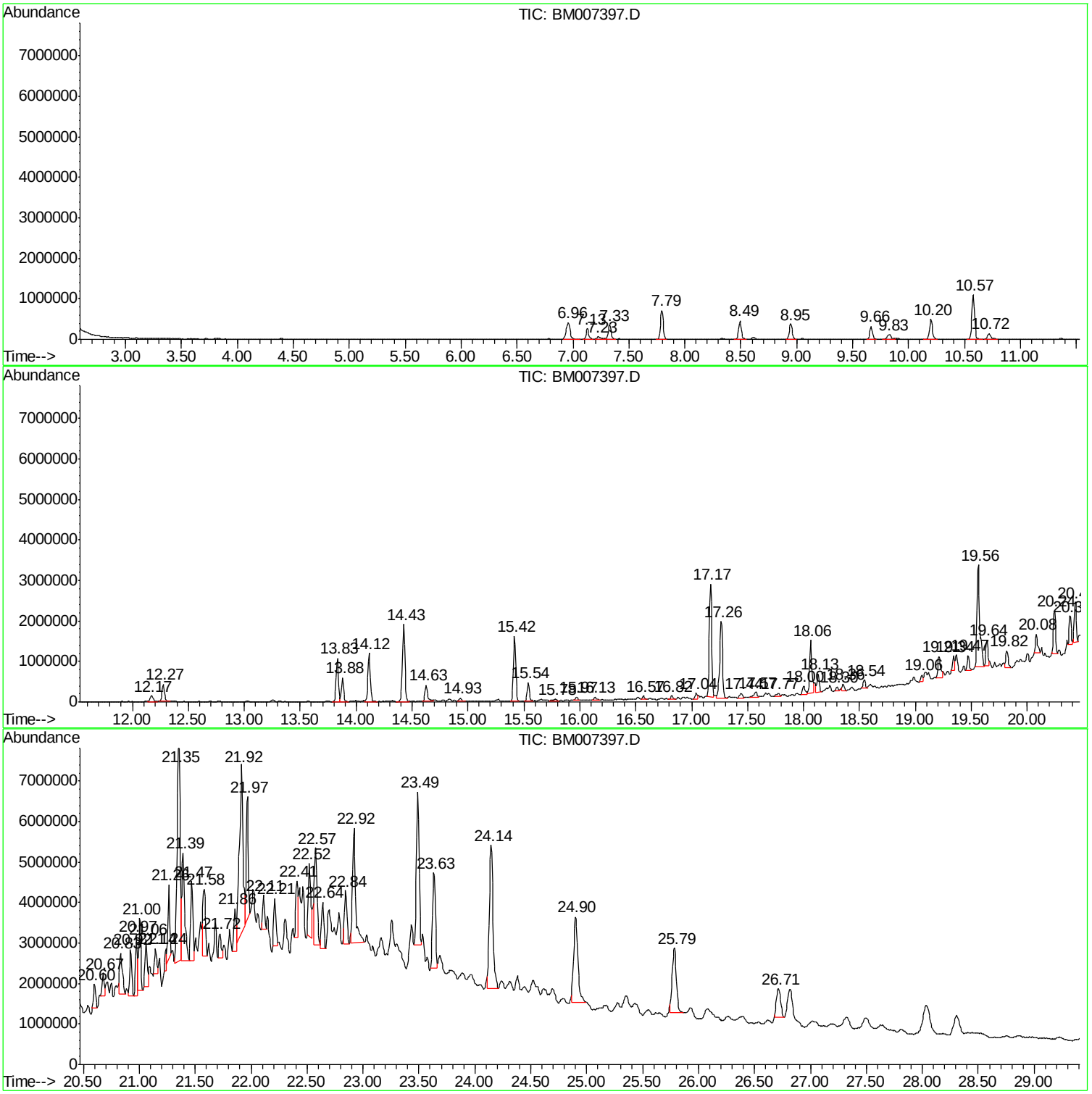
Instrument :
BNA_M
ClientSampleId :
C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

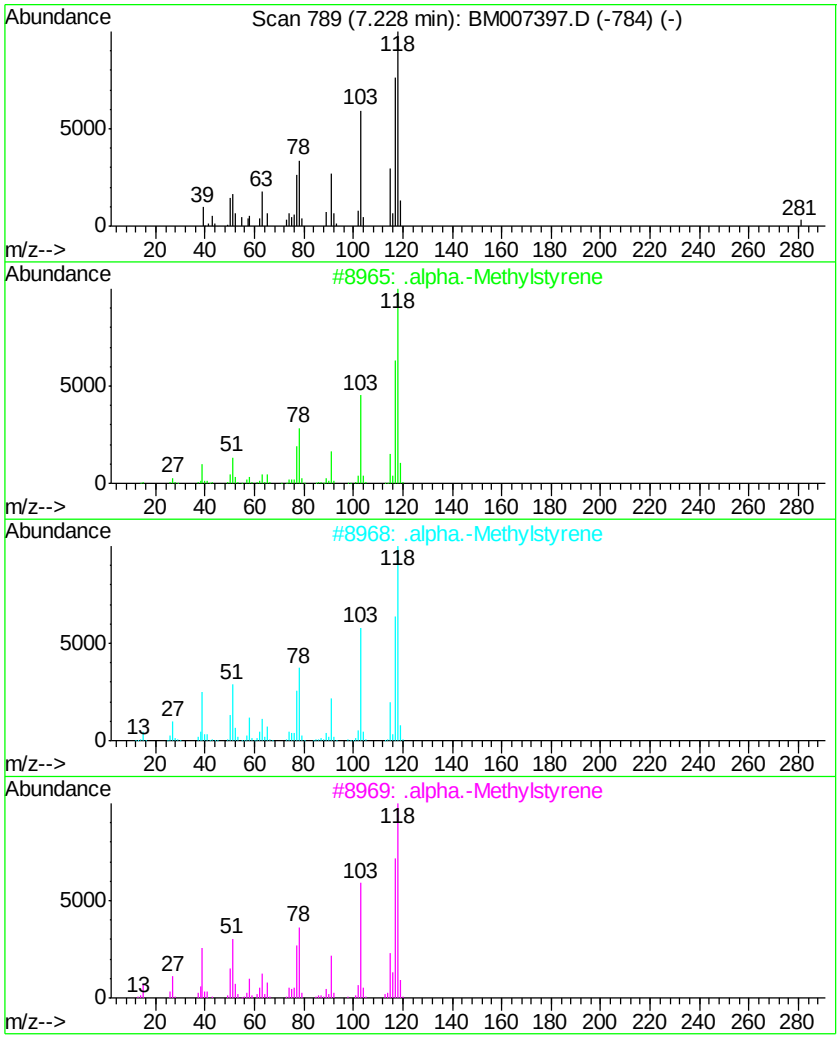
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

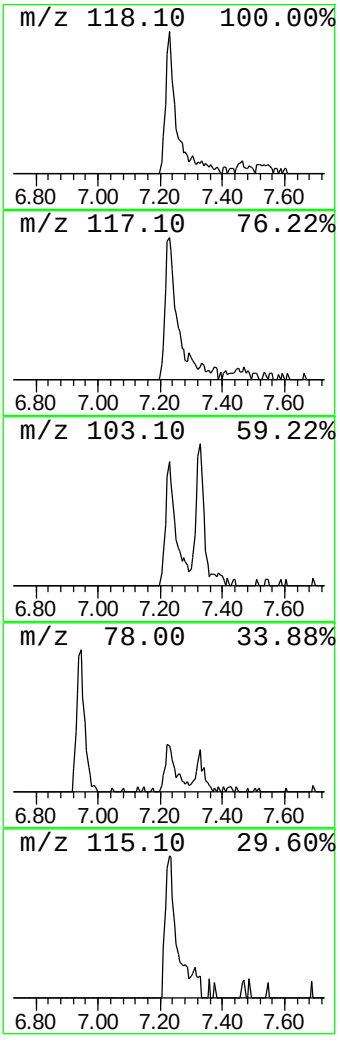
****

Peak Number 1 .alpha.-Methylstyrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	2.30 ng/ul	132169	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	94
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
4	Azetidine, 3-methyl-3-phenyl-	147	C10H13N	005961-33-1	78
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

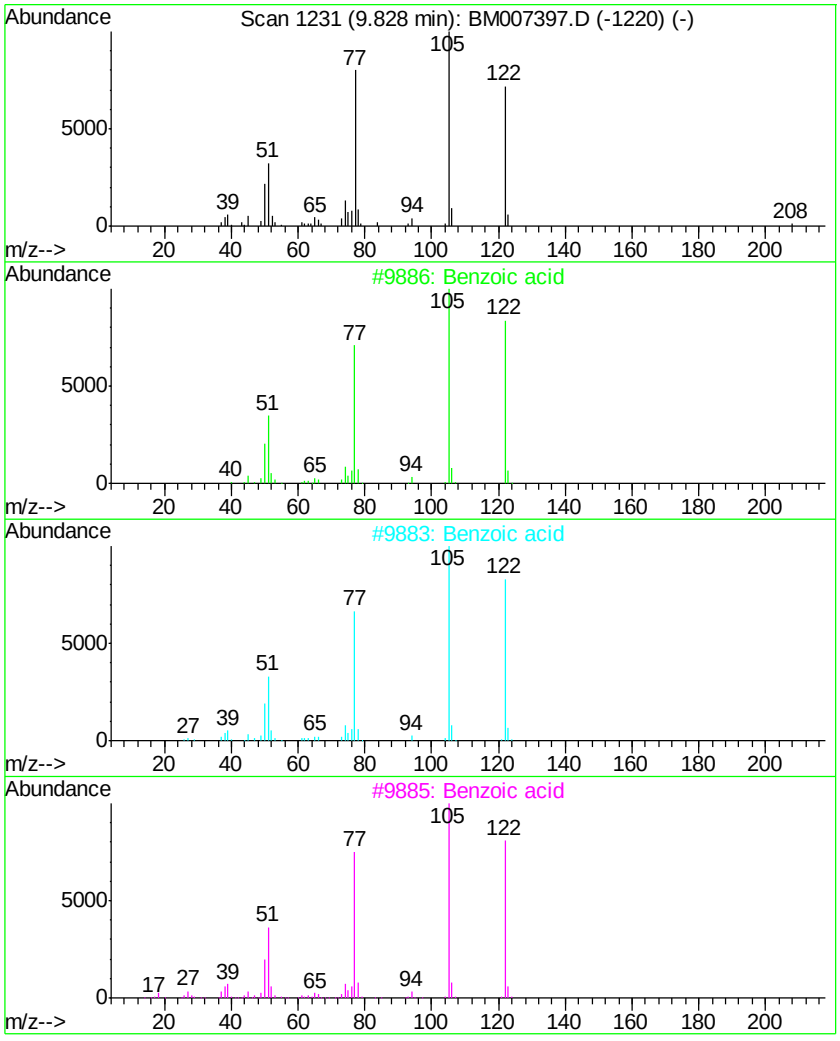
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

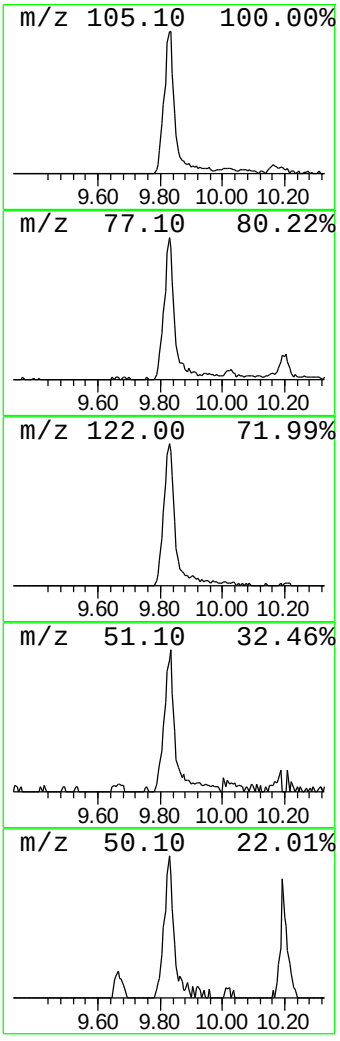
****

Peak Number 2 Benzoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.79 ng/ul	270983	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid	122	C7H6O2	000065-85-0	96
2	Benzoic acid	122	C7H6O2	000065-85-0	95
3	Benzoic acid	122	C7H6O2	000065-85-0	94
4	Heptanediamide, N,N'-di-benzoyloxy-	398	C21H22N2O6	1000253-26-4	90
5	Benzoic acid, silver(1+) salt	228	C7H5AgO2	000532-31-0	90





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Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
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Sample : H4655-04
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Instrument : BNA_M
ClientSampleId : C0002

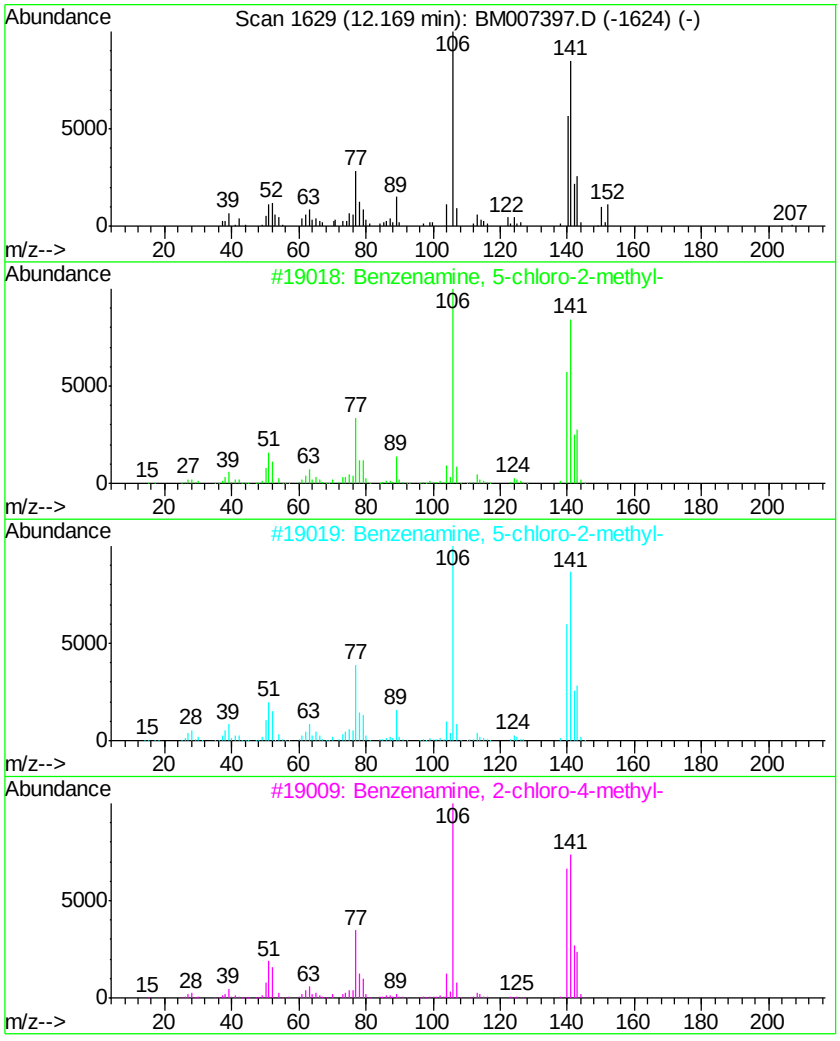
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

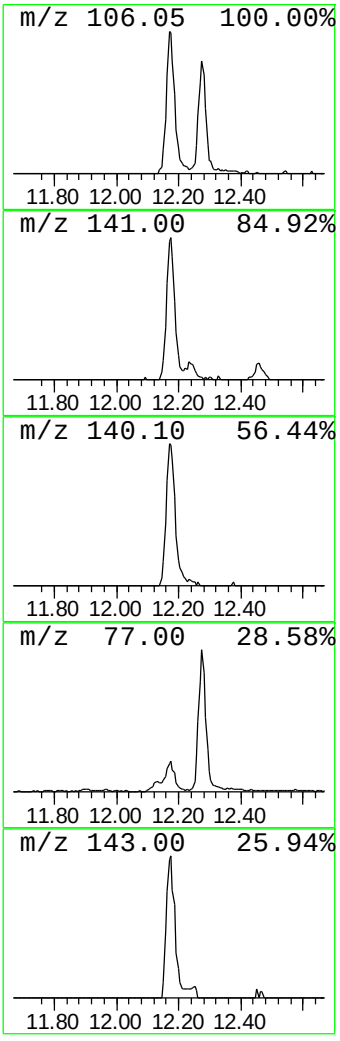
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzenamine, 5-chloro-2-met... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.71 ng/ul	263062	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	98
2	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	96
3	Benzenamine, 2-chloro-4-methyl-	141	C7H8ClN	000615-65-6	95
4	Benzenamine, 2-chloro-4-methyl-	141	C7H8ClN	000615-65-6	94
5	2-Chloro-5-methylaniline	141	C7H8ClN	000095-81-8	94





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ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

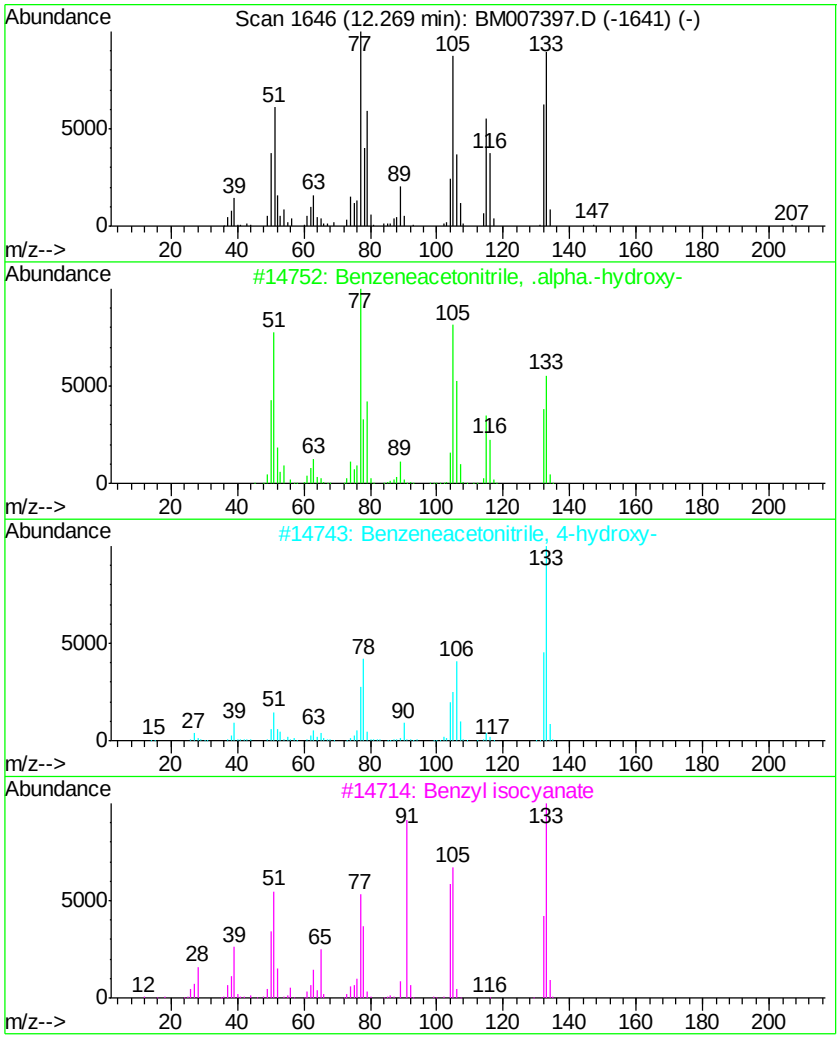
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

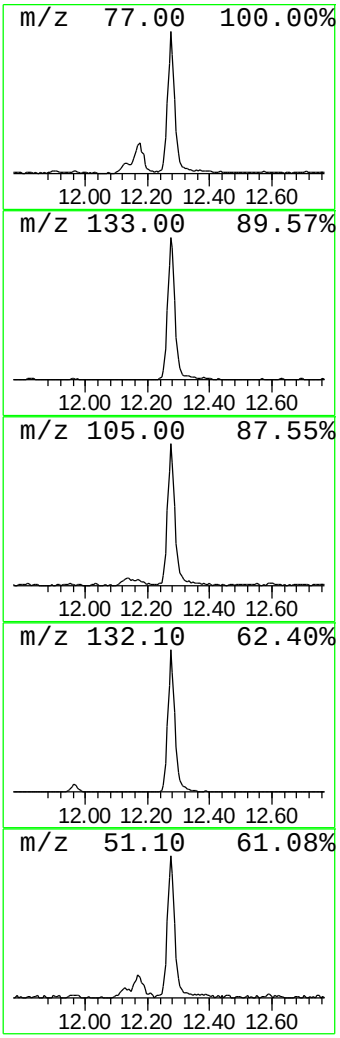
****

Peak Number 4 Benzeneacetonitrile, .alpha... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	7.32 ng/ul	711094	Naphthalene-d8	10.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetonitrile, .alpha.-hyd...	133	C8H7NO	000532-28-5	90
2	Benzeneacetonitrile, 4-hydroxy-	133	C8H7NO	014191-95-8	38
3	Benzyl isocyanate	133	C8H7NO	003173-56-6	38
4	Benzeneacetonitrile, 4-hydroxy-	133	C8H7NO	014191-95-8	35
5	Benzene, 1-isocyanato-4-methyl-	133	C8H7NO	000622-58-2	27





Library Search Compound Report

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Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

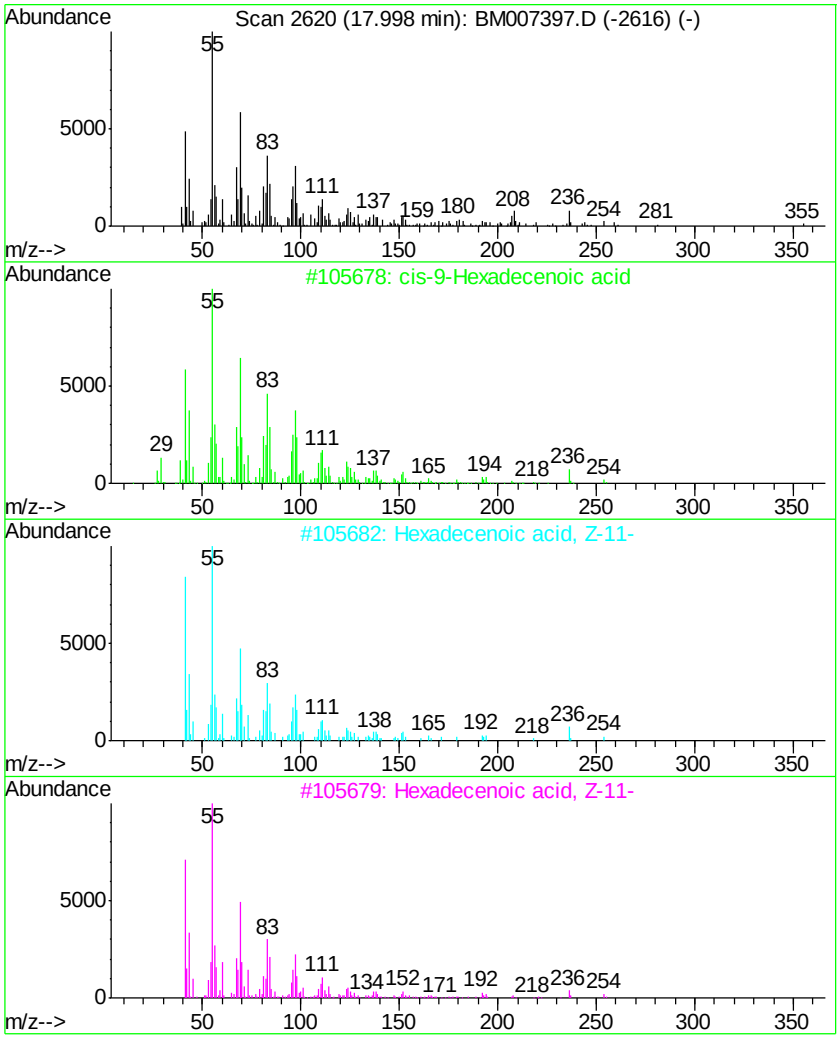
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

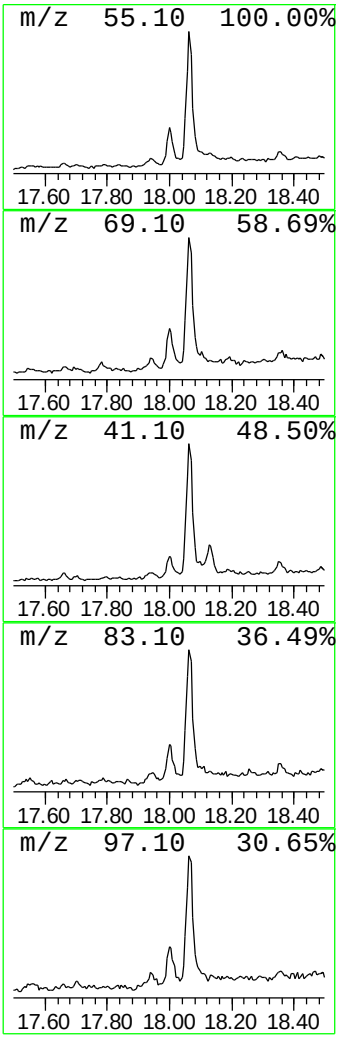
****

Peak Number 5 cis-9-Hexadecenoic acid Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.02 ng/ul	403757	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	95
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	95
3	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	91
4	Palmitoleic acid	254	C16H30O2	000373-49-9	78
5	9-octadecenoic acid, 2,2,2-trifl...	364	C20H35F3O2	1000376-54-3	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

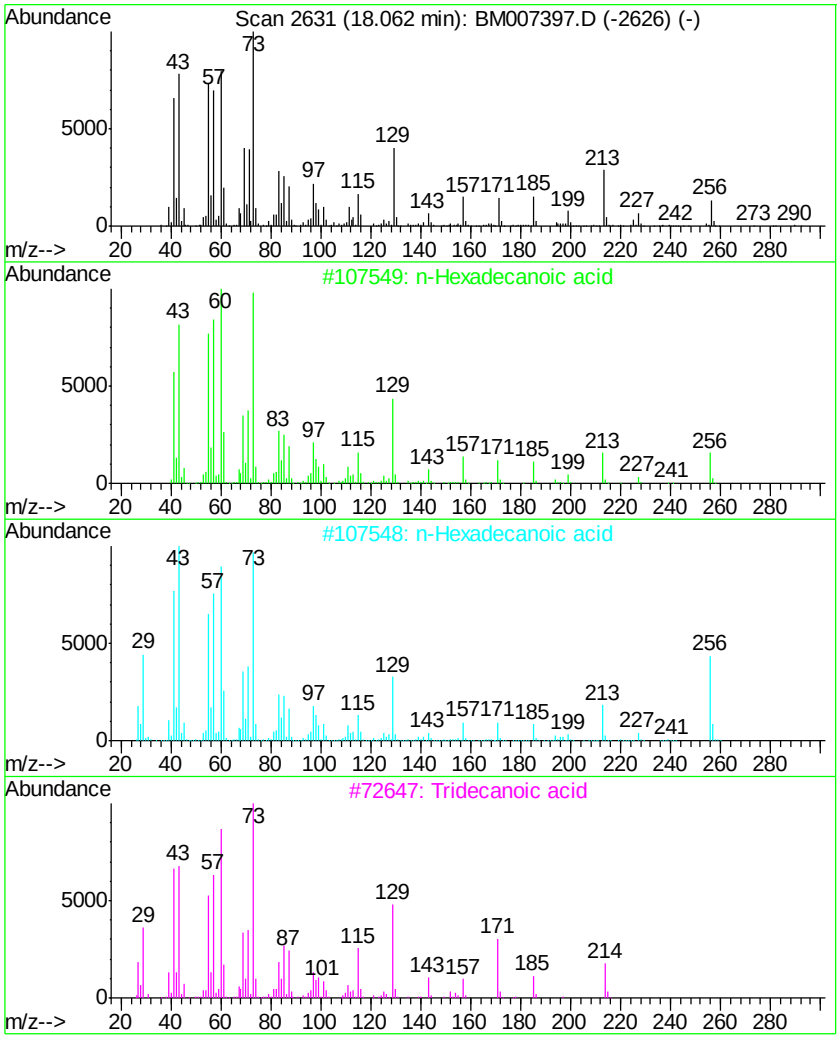
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

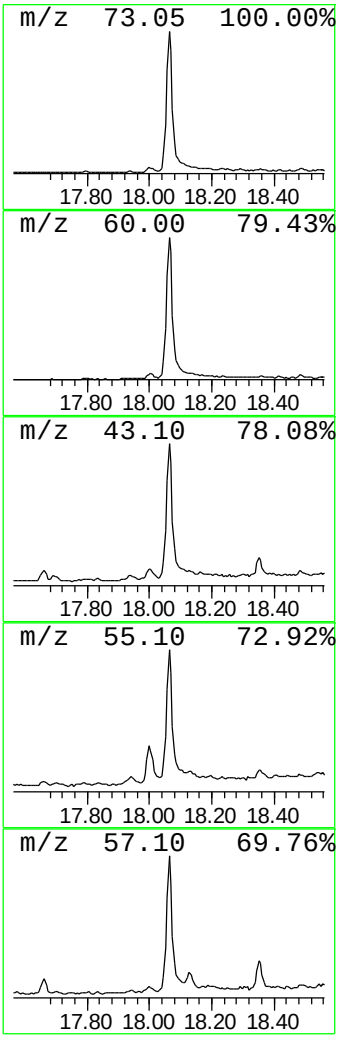
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	9.07 ng/ul	1814150	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	94
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	93





Library Search Compound Report

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Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

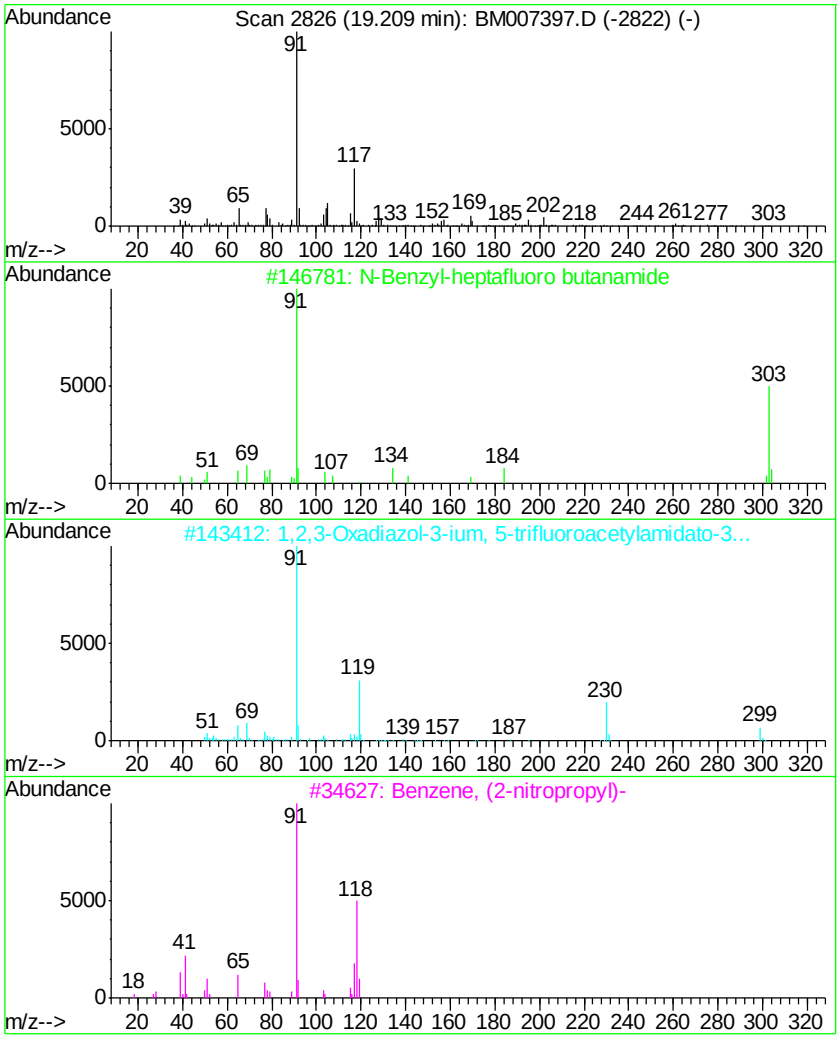
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

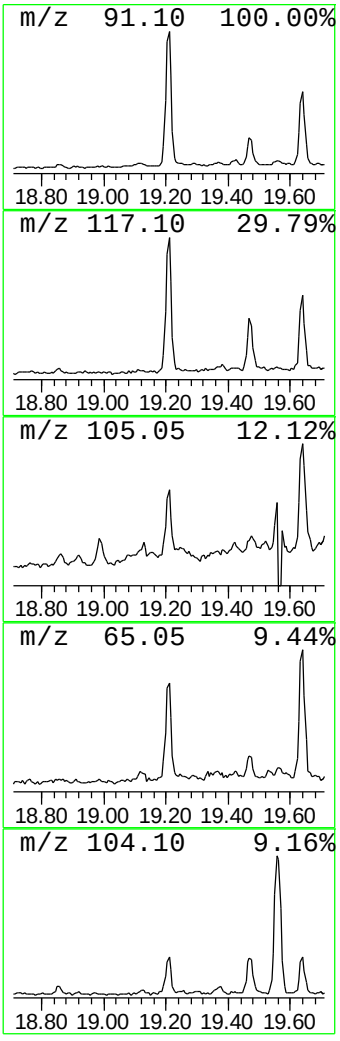
****

Peak Number 7 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	4.64 ng/ul	928588	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Benzyl-heptafluoro butanamide	303	C11H8F7NO	000560-02-1	38
2	1,2,3-Oxadiazol-3-ium, 5-trifluo...	299	C13H12F3N3O2	252551-32-9	35
3	Benzene, (2-nitropropyl)-	165	C9H11NO2	017322-34-8	35
4	Benzene, undecyl-	232	C17H28	006742-54-7	27
5	N-Acetyl-D-phenylalanine	207	C11H13NO3	010172-89-1	27





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Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

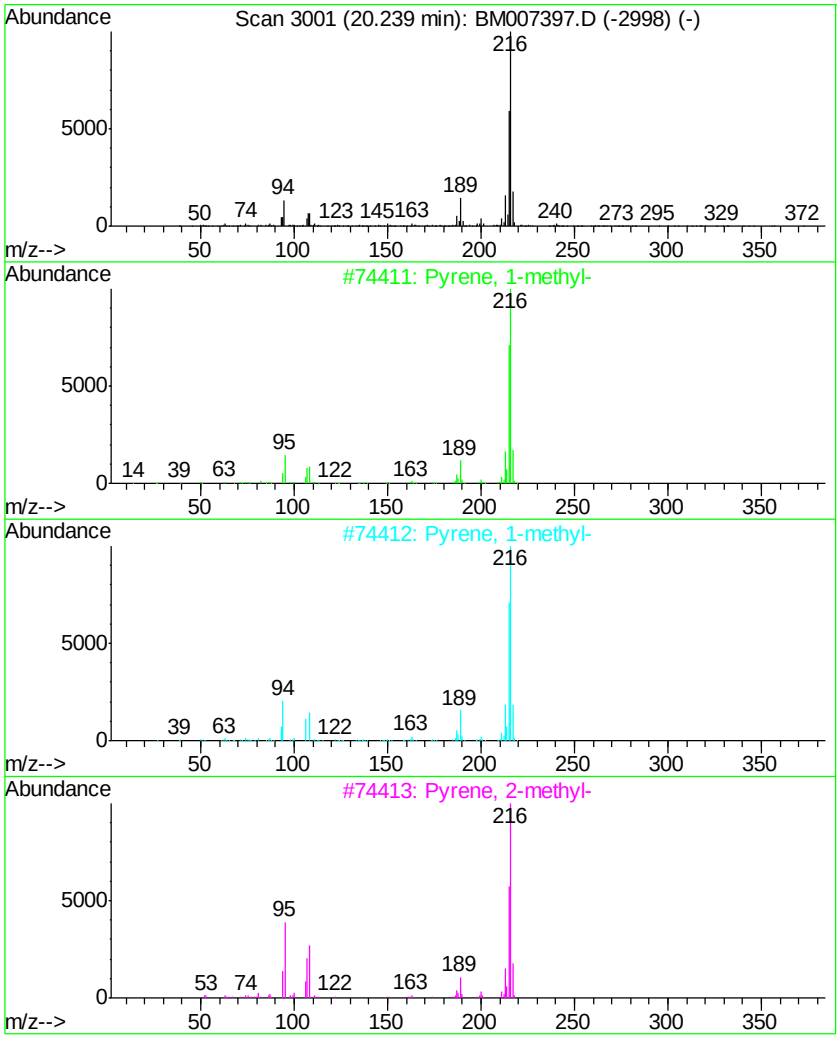
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

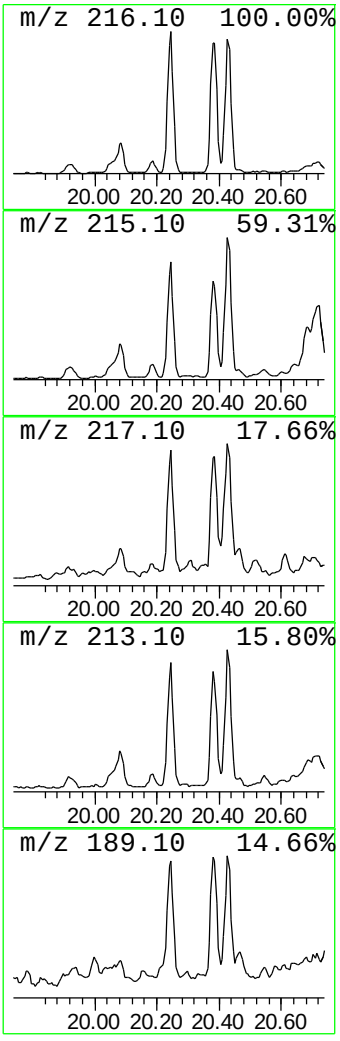
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.69 ng/ul	1359690	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

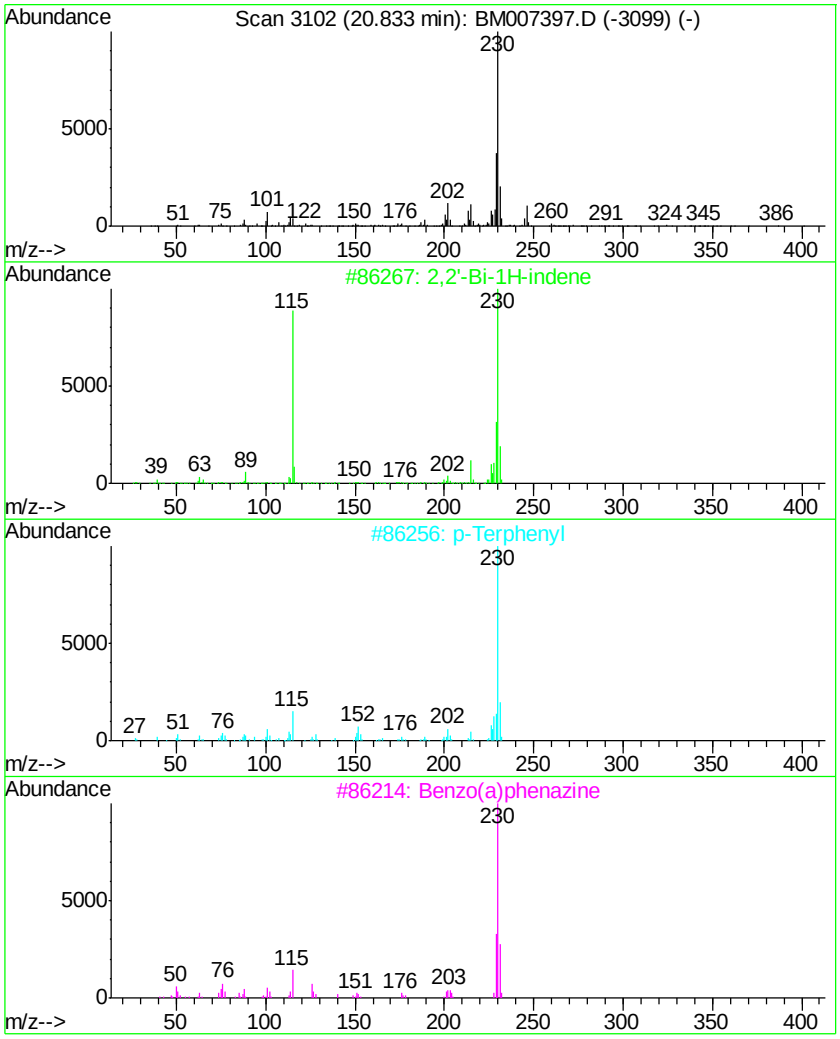
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

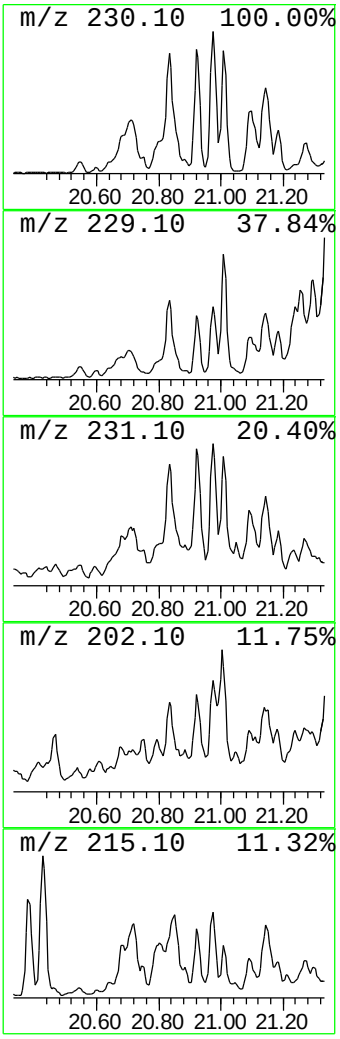
****

Peak Number 10 2,2'-Bi-1H-indene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	3.67 ng/ul	1858310	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	83
2	p-Terphenyl	230	C18H14	000092-94-4	81
3	Benzo(a)phenazine	230	C16H10N2	000225-61-6	72
4	m-Terphenyl	230	C18H14	000092-06-8	64
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	64





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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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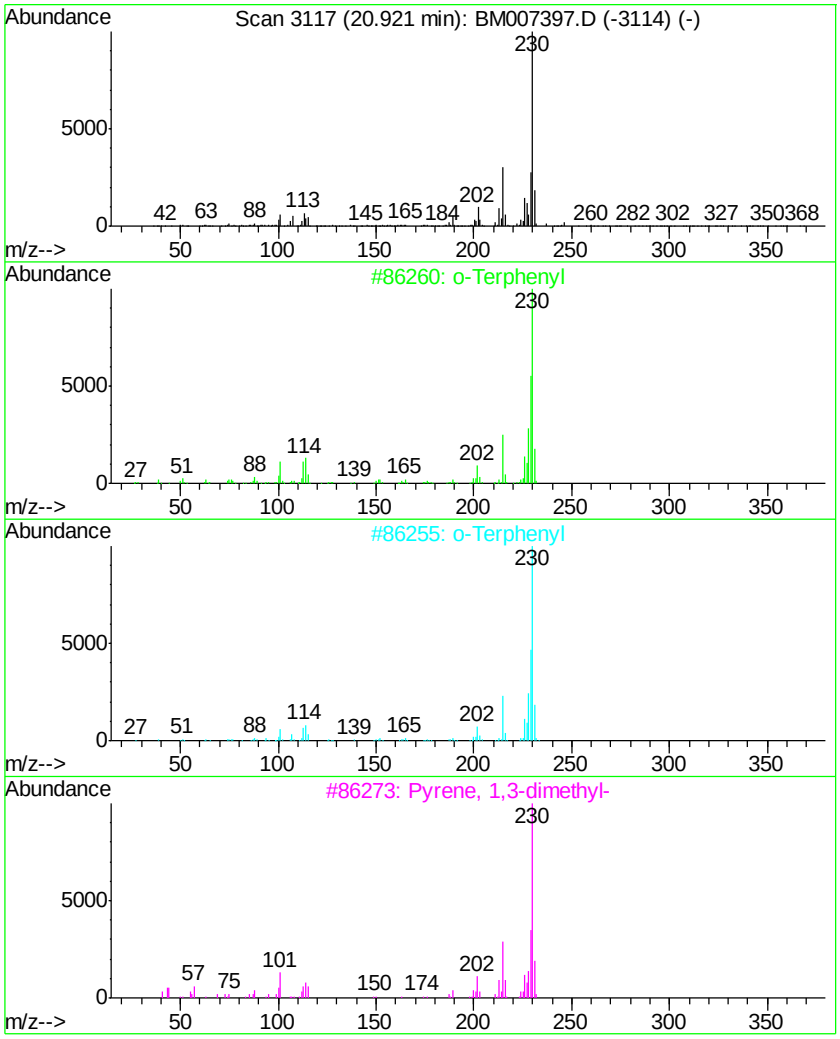
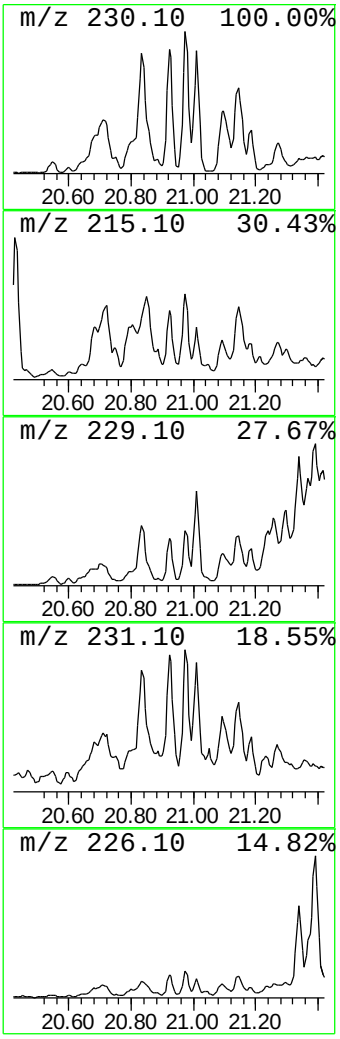
Peak Number 11 o-Terphenyl Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.76 ng/ul	1396390	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Terphenyl	230	C18H14	000084-15-1	76
2	o-Terphenyl	230	C18H14	000084-15-1	76
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	74
4	o-Terphenyl	230	C18H14	000084-15-1	68
5	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	64





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Acq On : 03 Sep 2016 08:58
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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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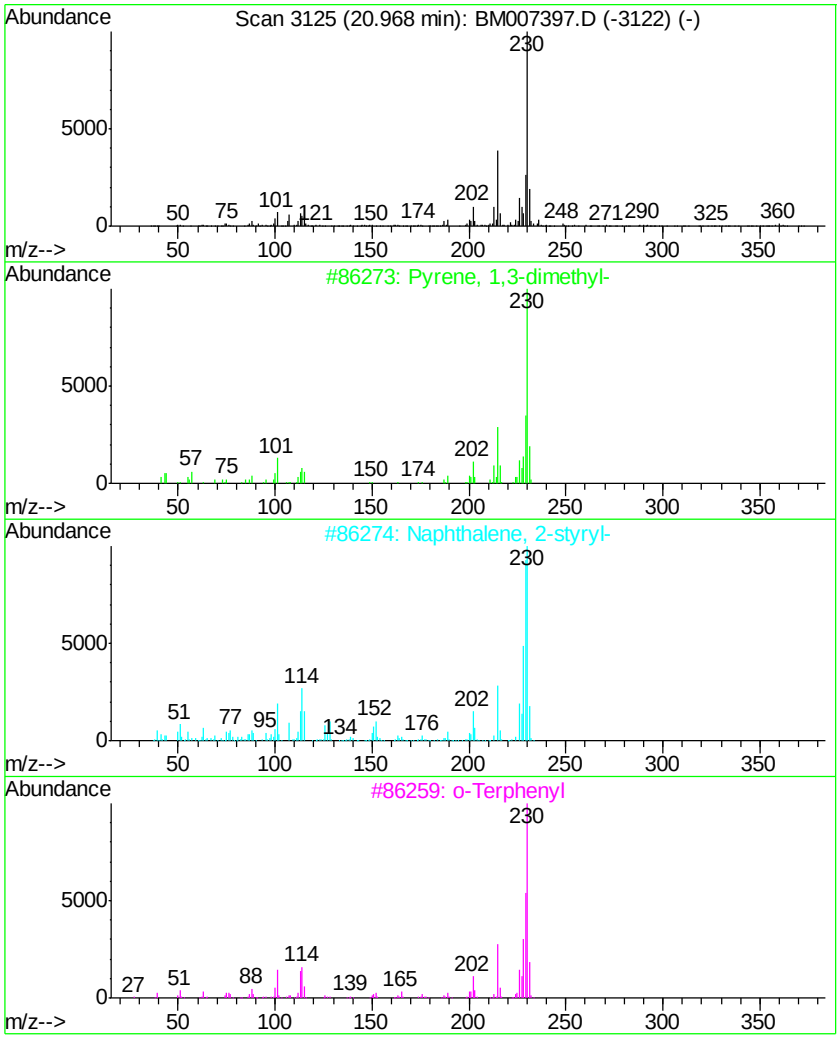
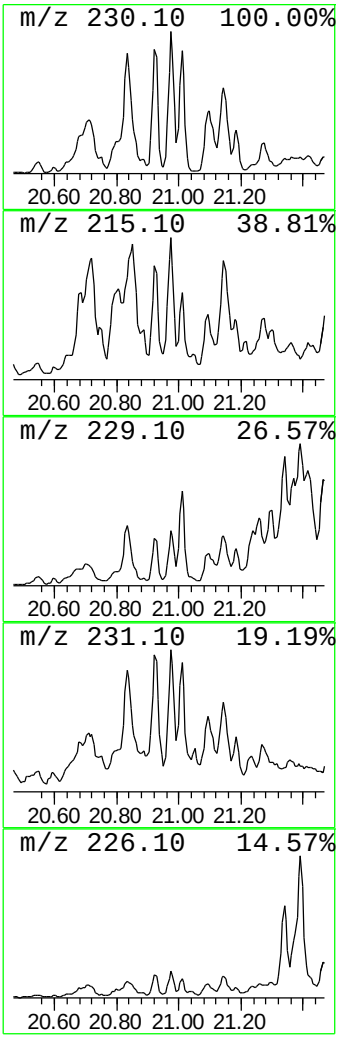
Peak Number 12 Pyrene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	3.60 ng/ul	1823080	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	95
2	Naphthalene, 2-styryl-	230	C18H14	002039-70-5	76
3	o-Terphenyl	230	C18H14	000084-15-1	76
4	2,2'-Bi-1H-indene	230	C18H14	000787-61-1	72
5	p-Terphenyl	230	C18H14	000092-94-4	70





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Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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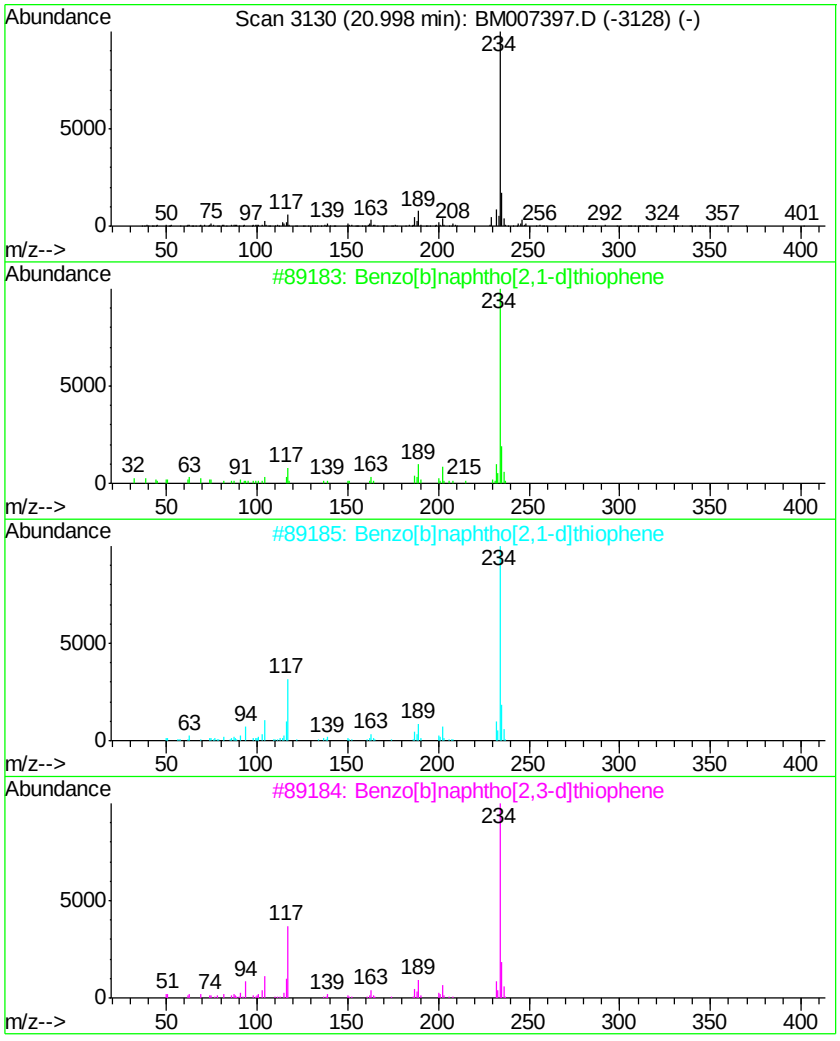
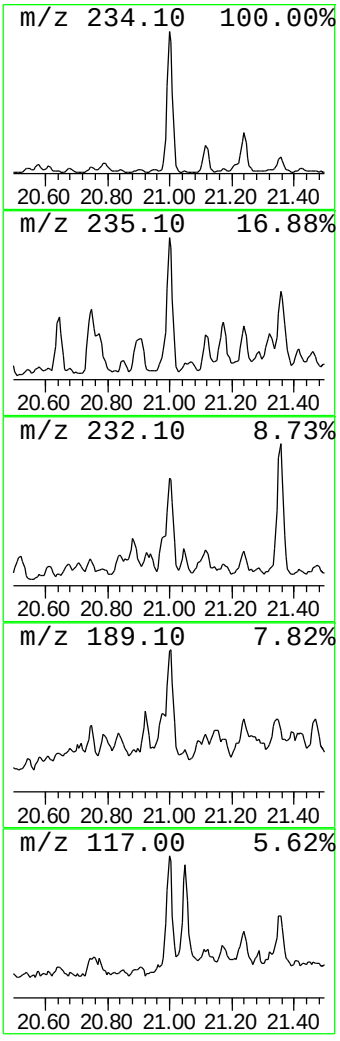
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.88 ng/ul	2469230	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	78
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70





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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

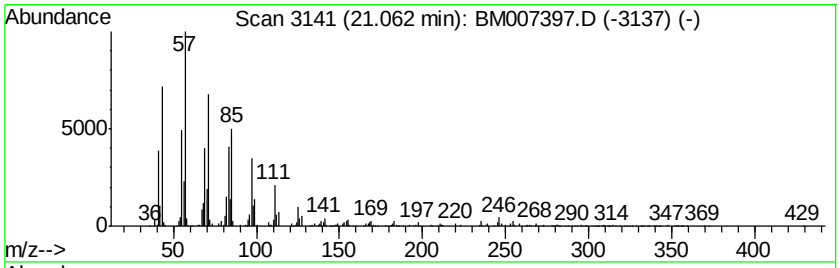
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

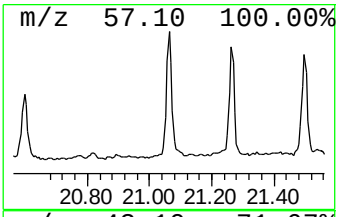
****

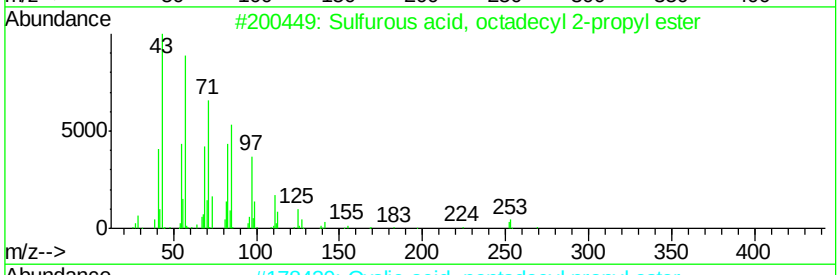
Peak Number 14 Sulfurous acid, octadecyl 2... Concentration Rank 21

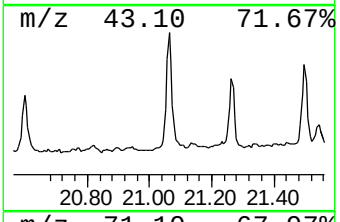
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	3.16 ng/ul	1599780	Chrysene-d12	21.36

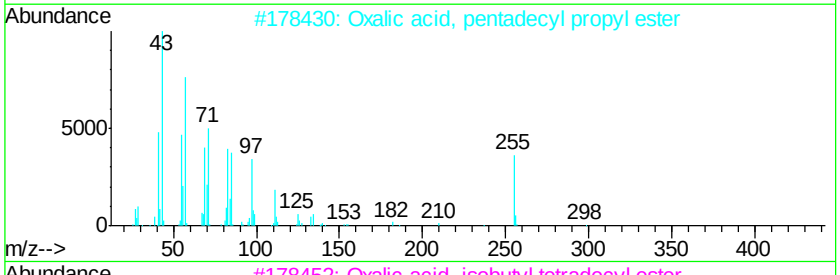
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	91
2	Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	91
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	91
4	Octadecane	254	C18H38	000593-45-3	86
5	Octadecane	254	C18H38	000593-45-3	83

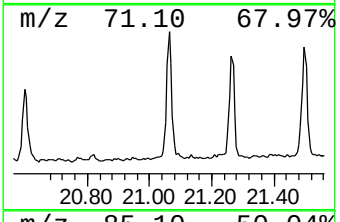


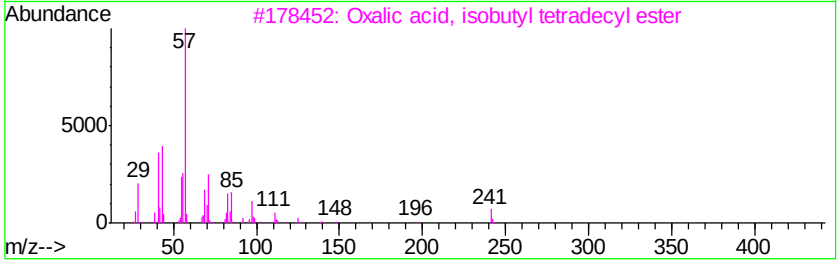


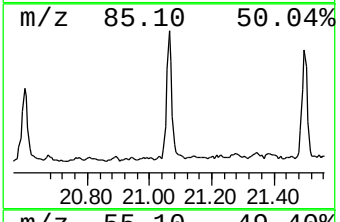


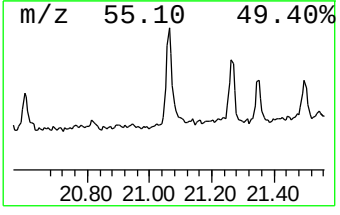












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Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

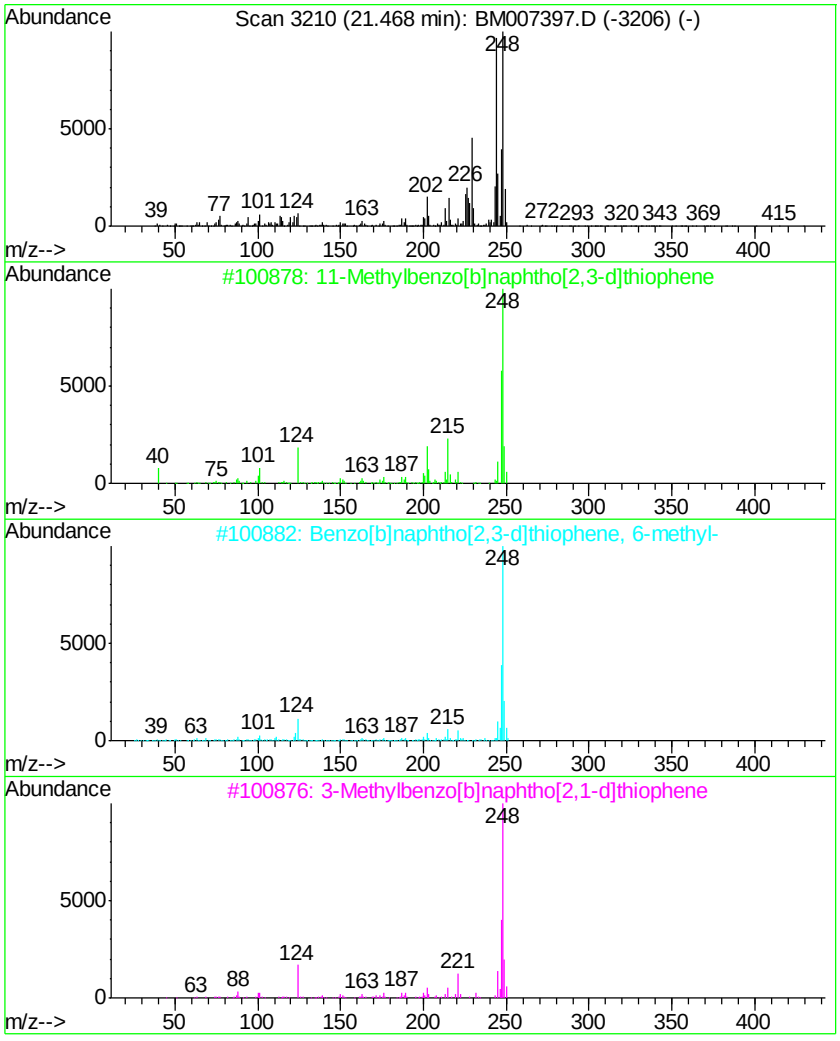
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

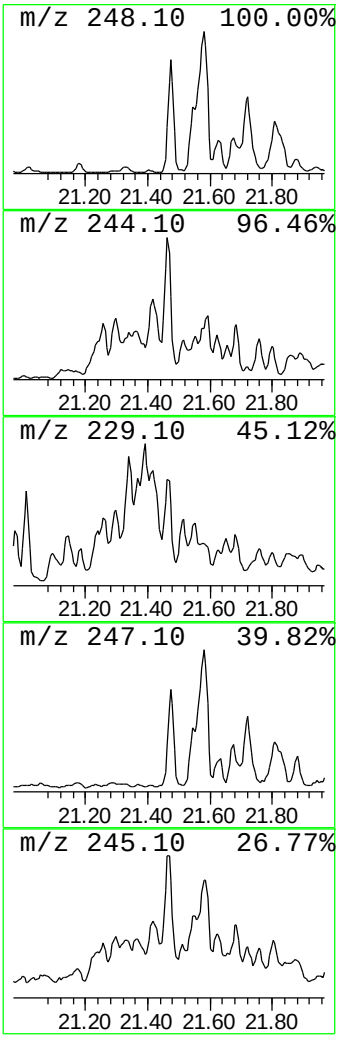
****

Peak Number 15 11-Methylbenzo[b]naphtho[2,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.47	5.58 ng/ul	2823940	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Methylbenzo[b]naphtho[2,3-d]t...	248	C17H12S	079966-33-9	52
2	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	41
3	3-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	004567-45-7	38
4	10-Methylbenzo[b]naphtho[2,1-d]t...	248	C17H12S	083821-58-3	38
5	4-Isothiazolecarboxamide, N-ethy...	248	C8H12N2OS3	037572-35-3	35





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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

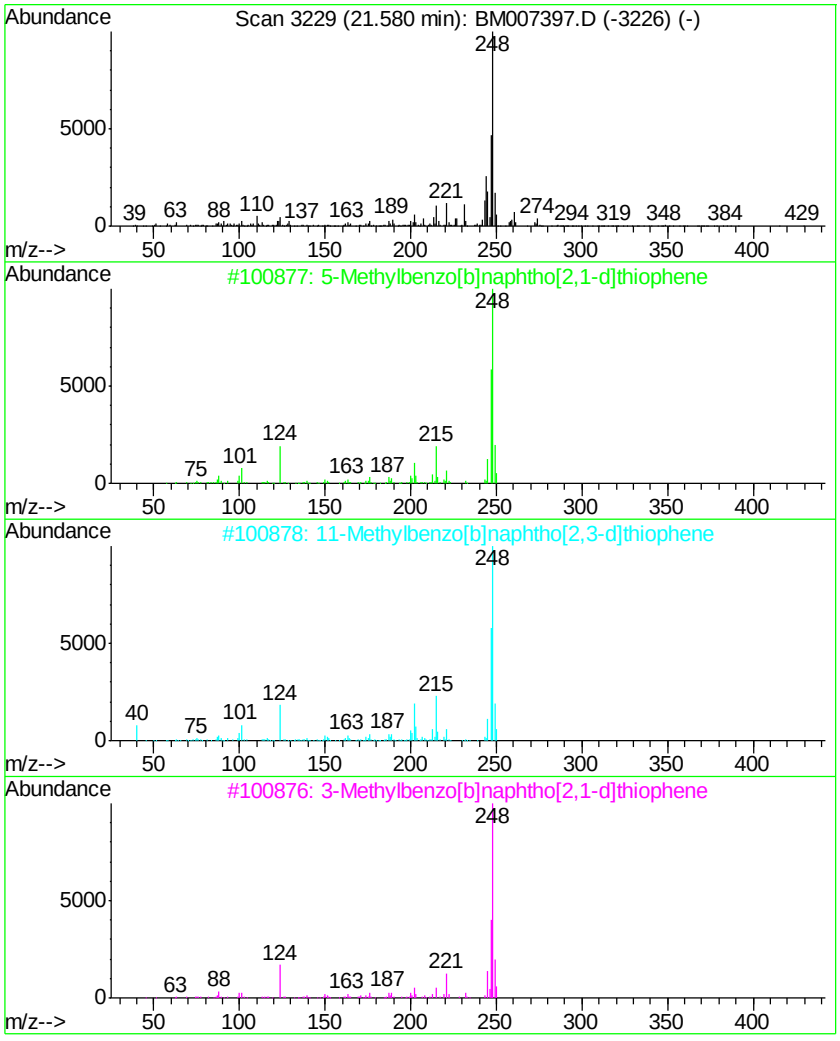
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

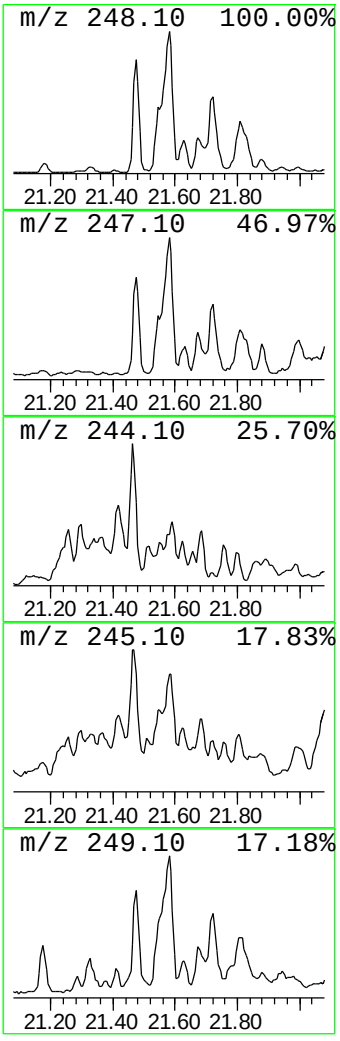
****

Peak Number 16 5-Methylbenzo[b]naphtho[2,1... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	5.12 ng/ul	2590270	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	004567-49-1	94
2	11-Methylbenzo[b]naphtho[2,3-d]t...	248	C17H12S	079966-33-9	92
3	3-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	004567-45-7	90
4	2-Methylbenzo[b]naphtho[2,1-d]th...	248	C17H12S	1000326-06-8	90
5	10-Methylbenzo[b]naphtho[2,1-d]t...	248	C17H12S	083821-58-3	58





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Quant Title : SVOA CALIBRATION

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

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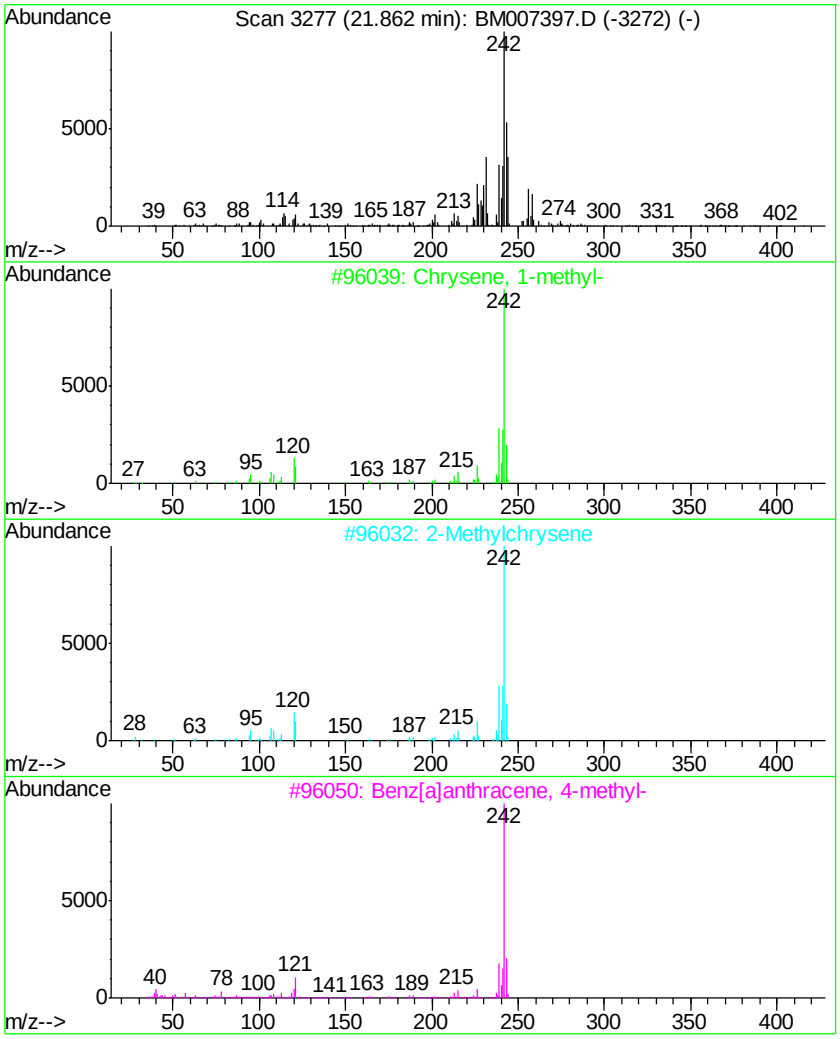
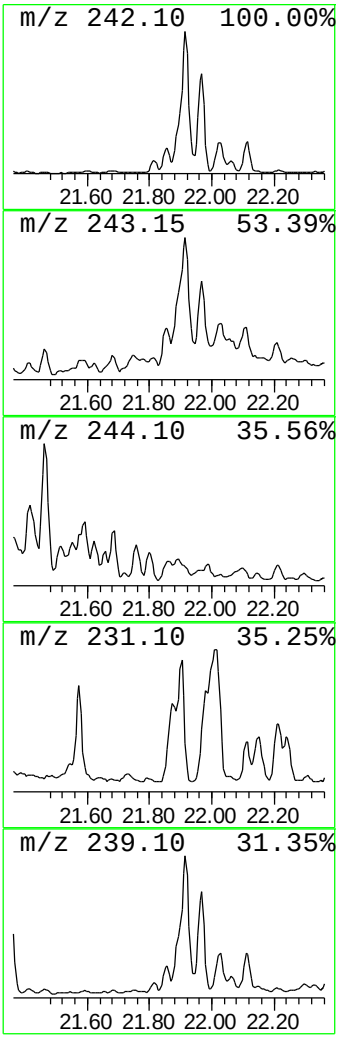
Peak Number 17 Chrysene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	3.09 ng/ul	1562220	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	70
2	2-Methylchrysene	242	C19H14	003351-32-4	70
3	Benz[a]anthracene, 4-methyl-	242	C19H14	000316-49-4	55
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	55
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	55





Library Search Compound Report

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Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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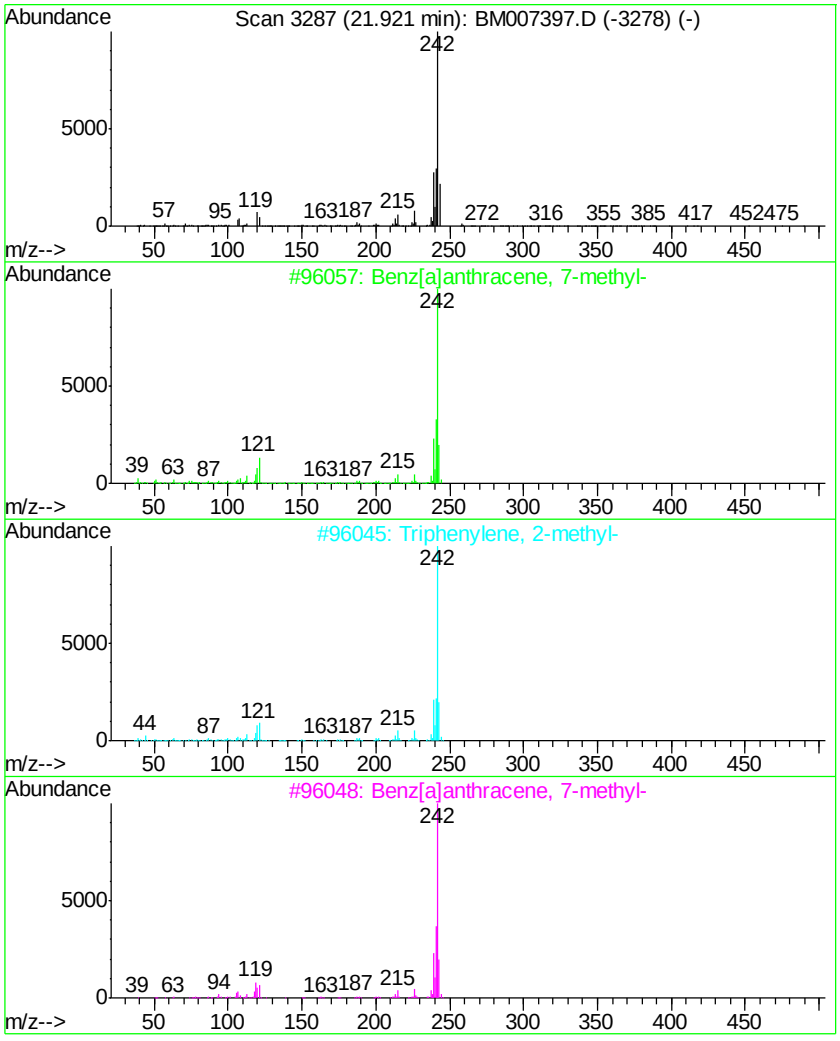
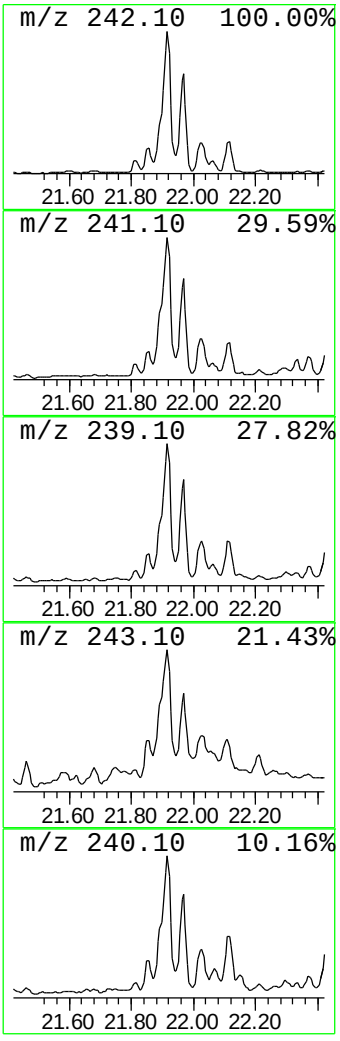
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	18.37 ng/ul	9296840	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	89





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Operator : UM/SJ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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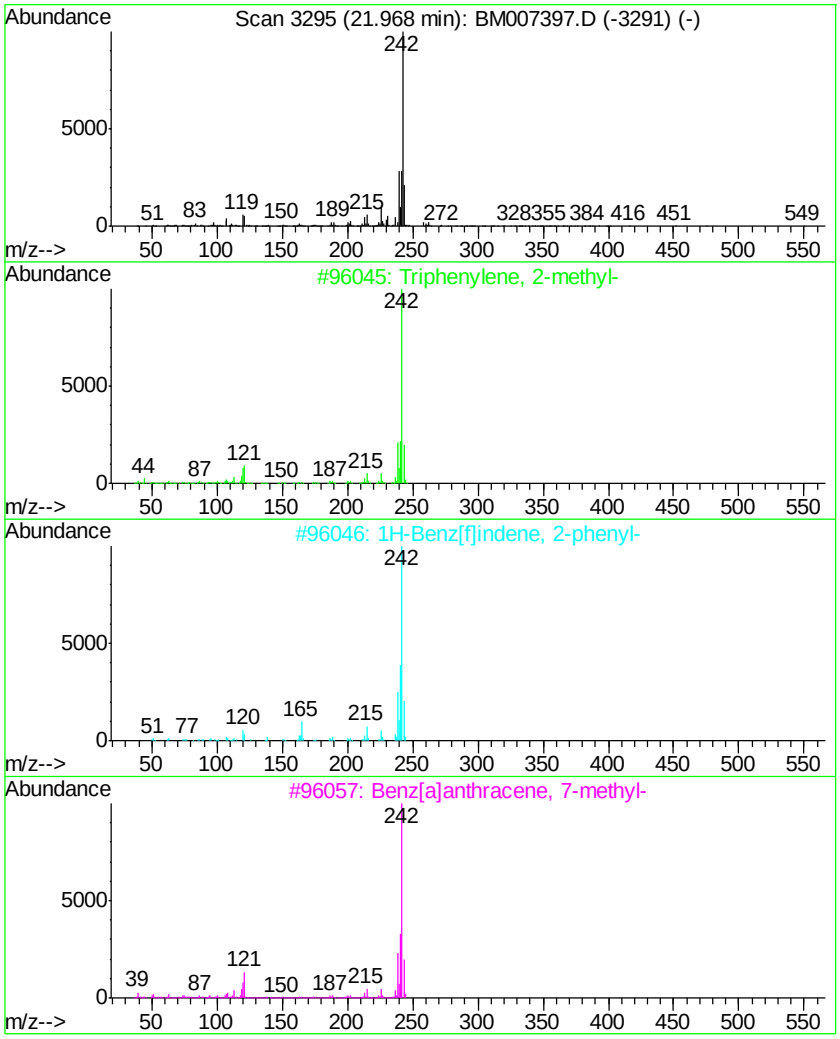
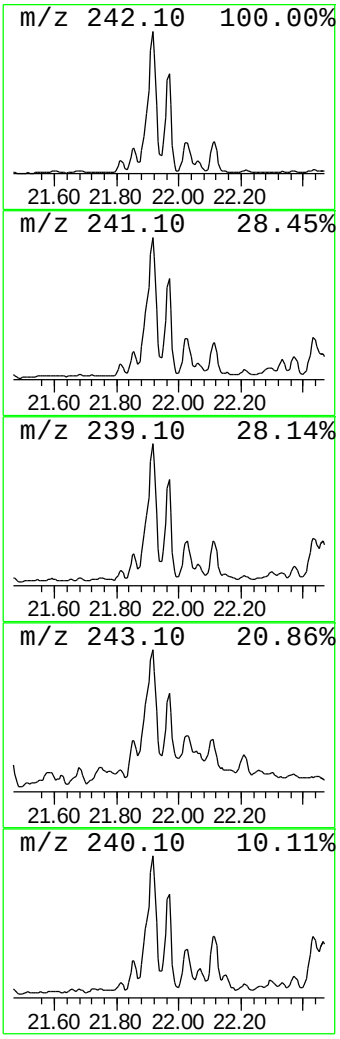
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	7.98 ng/ul	4037620	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	2-Methylchrysene	242	C19H14	003351-32-4	90
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90





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Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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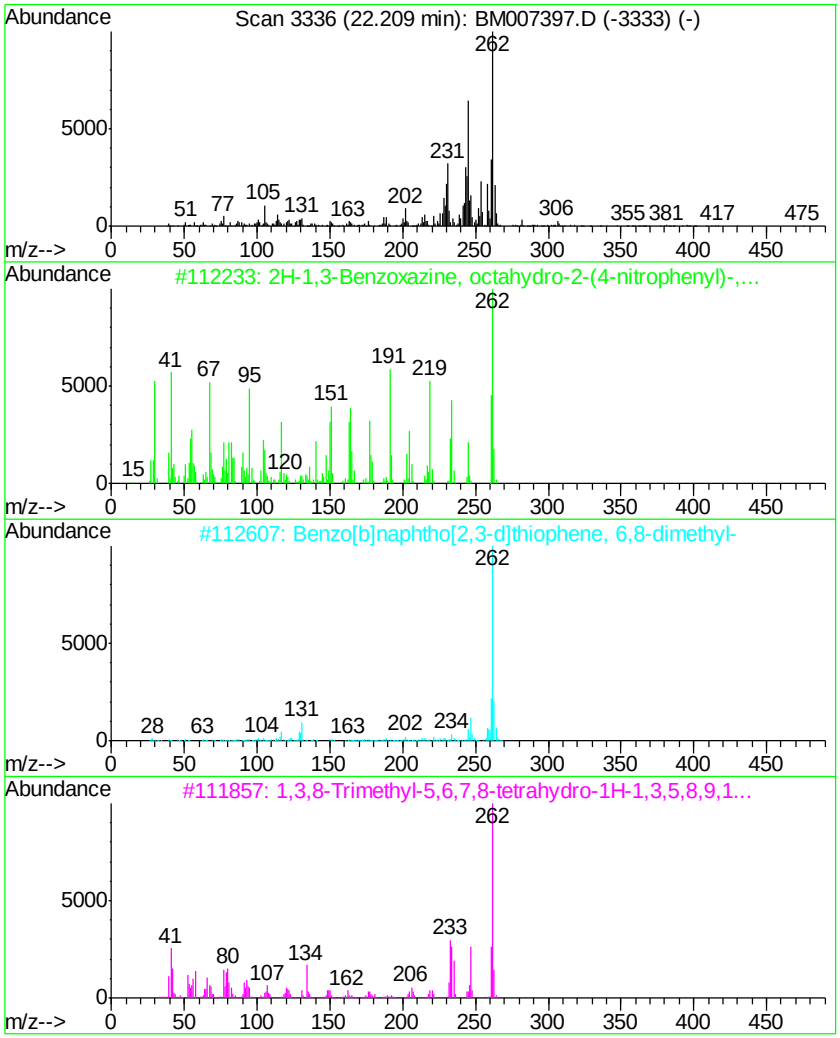
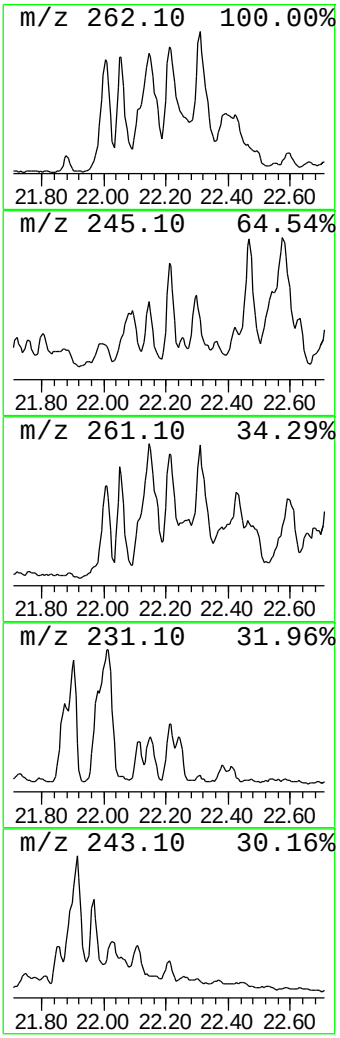
Peak Number 20 2H-1,3-Benzoxazine, octahyd... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.21	3.41 ng/ul	1726890	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,3-Benzoxazine, octahydro-2-...	262	C14H18N2O3	081969-58-6	89
2	Benzo[b]naphtho[2,3-d]thiophene,...	262	C18H14S	024964-16-7	43
3	1,3,8-Trimethyl-5,6,7,8-tetrahyd...	262	C11H14N6O2	1000297-00-7	43
4	7-Methyl-5-oxo-2-p-tolyl-3,5-dih...	262	C17H14N2O	1000303-35-2	38
5	Methyl p-(phenylethynyl)cinnamate	262	C18H14O2	1000242-87-7	38





Library Search Compound Report

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Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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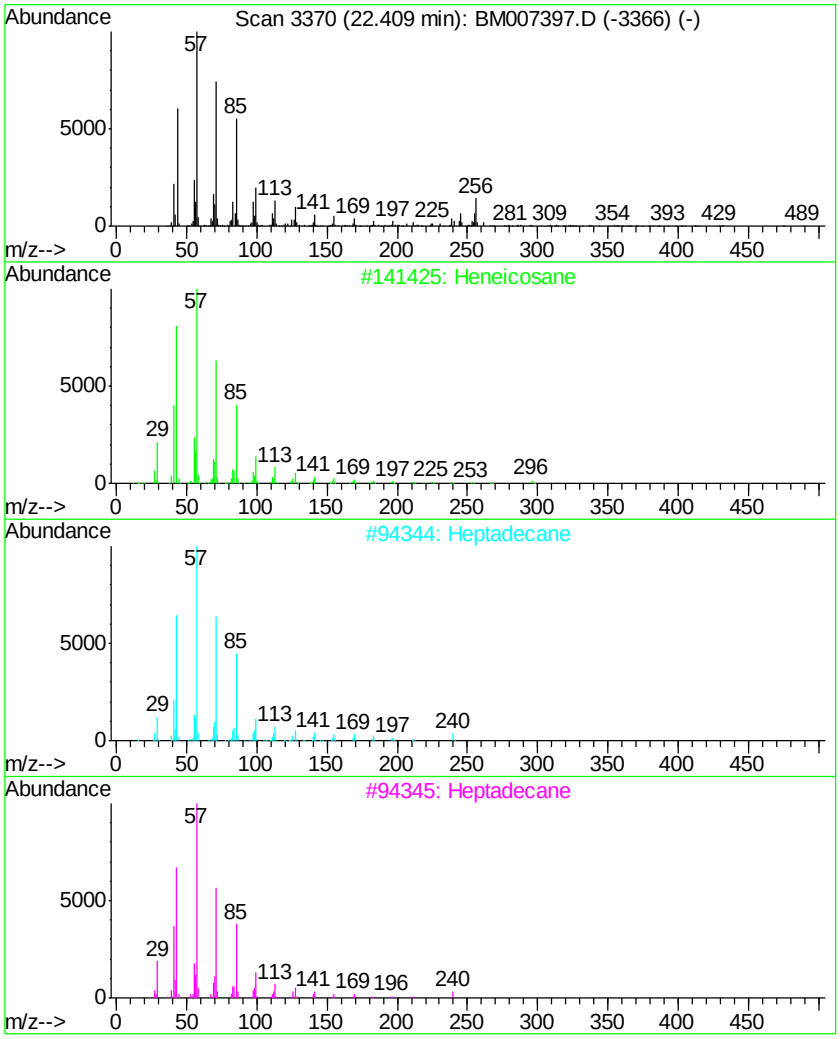
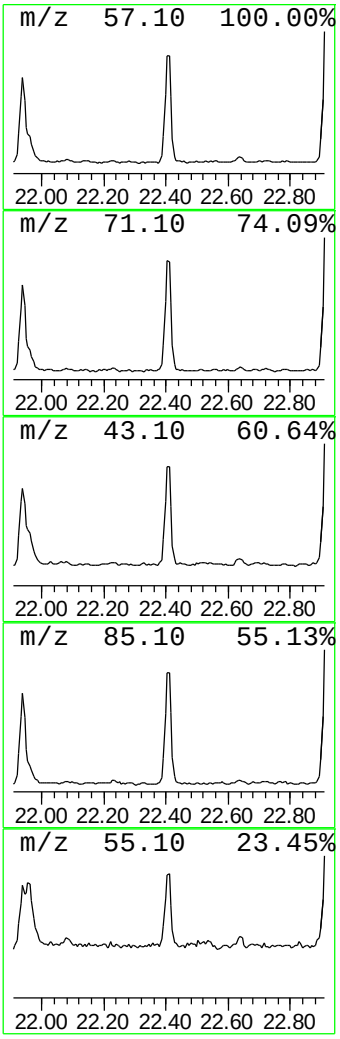
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.41	3.92 ng/ul	1984570	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane	240	C17H36	000629-78-7	95
3	Heptadecane	240	C17H36	000629-78-7	95
4	Octadecane	254	C18H38	000593-45-3	95
5	Heptadecane	240	C17H36	000629-78-7	94





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Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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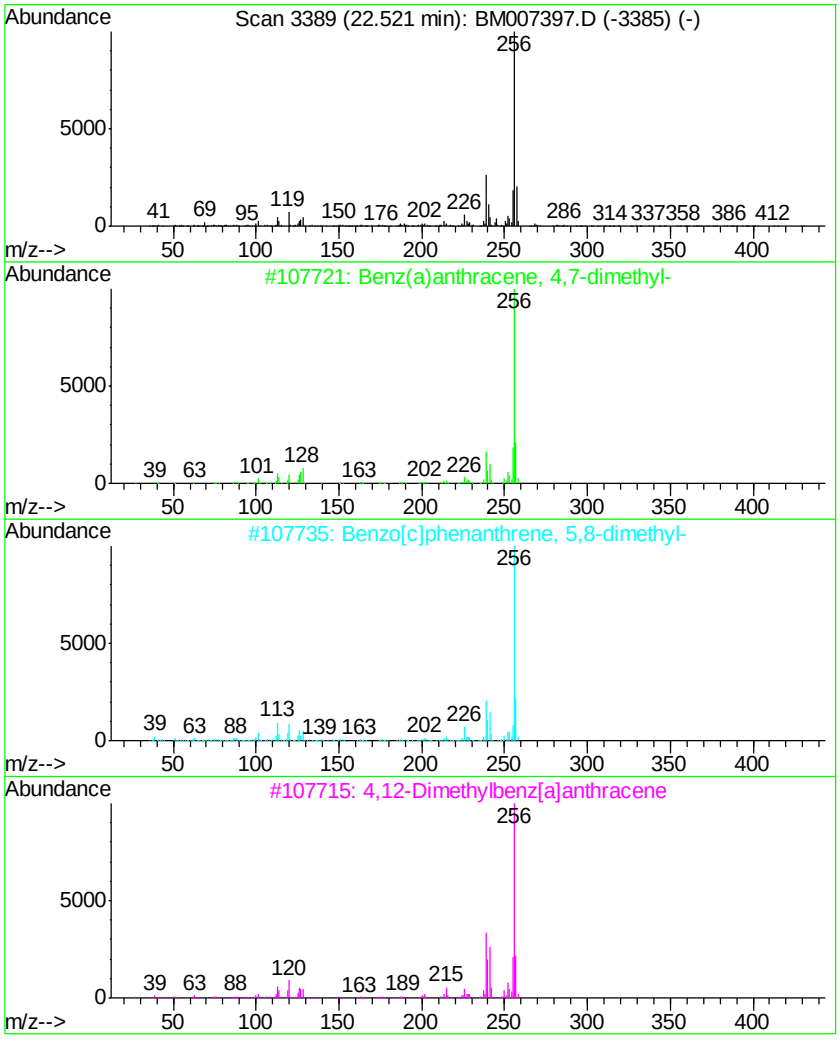
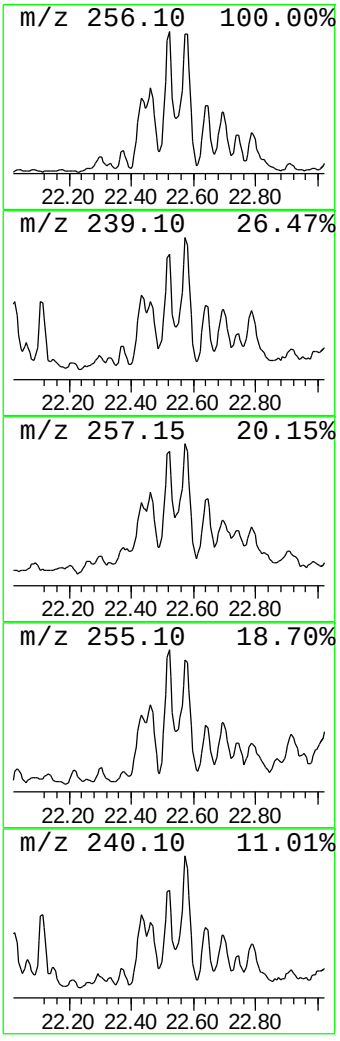
Peak Number 22 Benz(a)anthracene, 4,7-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	14.19 ng/ul	3018110	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	91
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	91
3	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	90
4	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	90
5	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	87





Library Search Compound Report

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Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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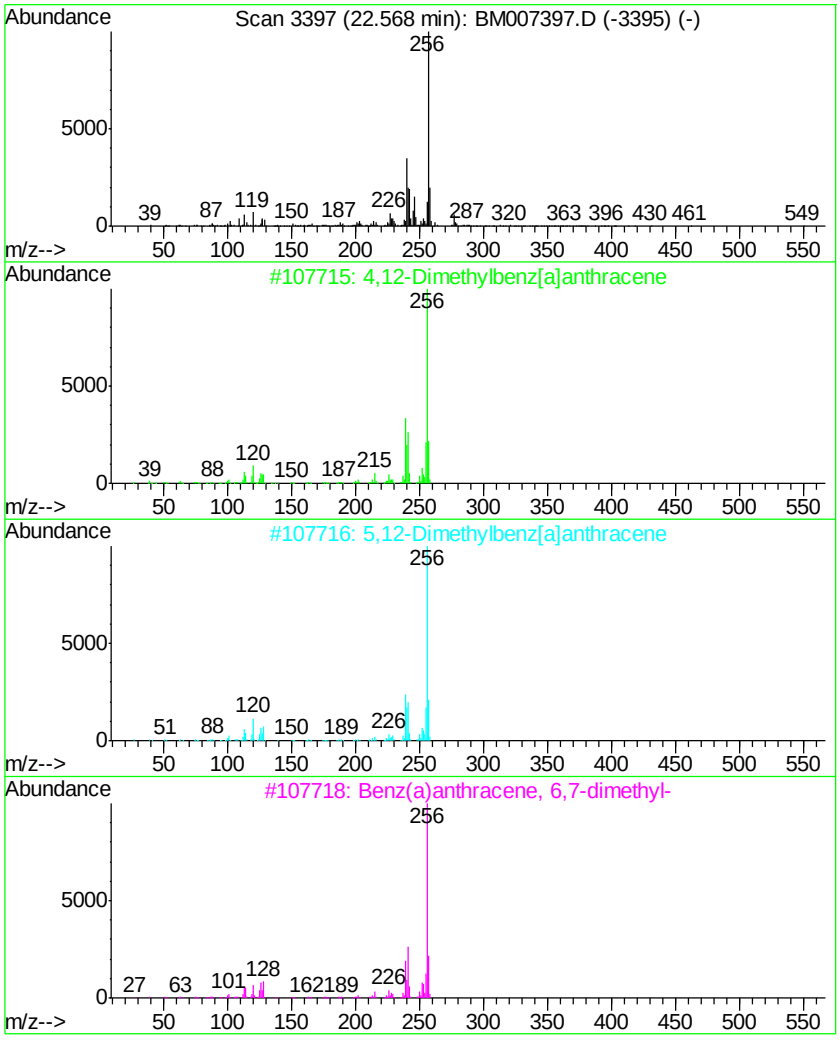
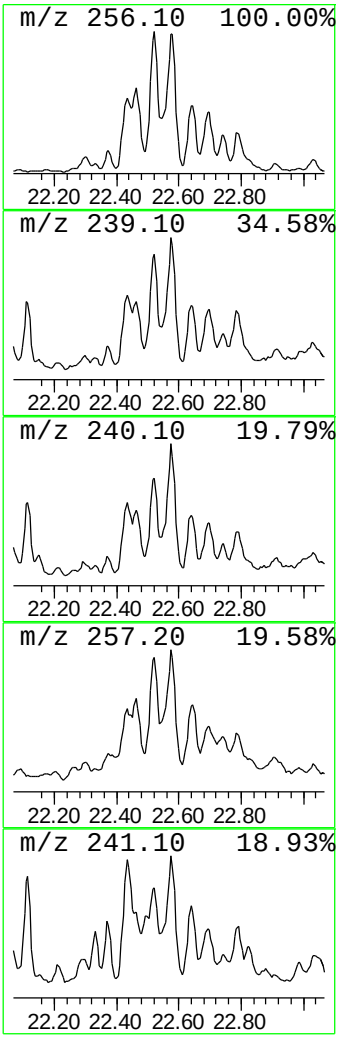
Peak Number 23 4,12-Dimethylbenz[a]anthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	19.68 ng/ul	4183650	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	87
2	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	87
3	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	81
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	81
5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	80





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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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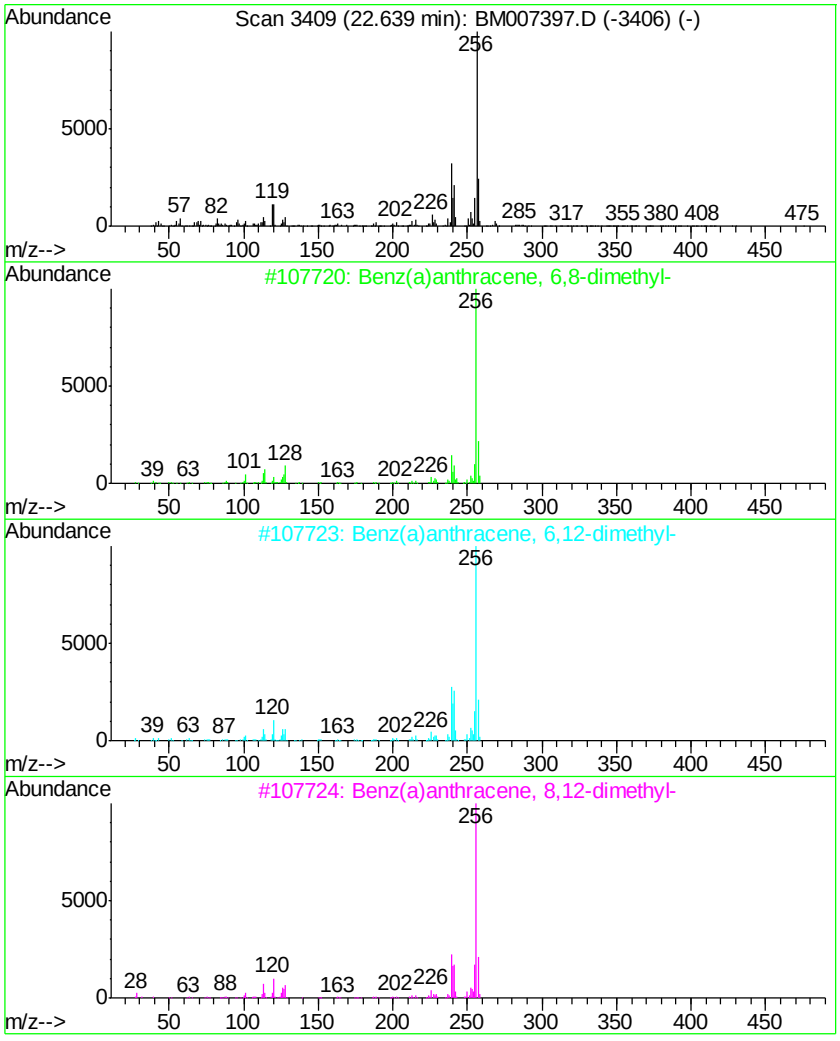
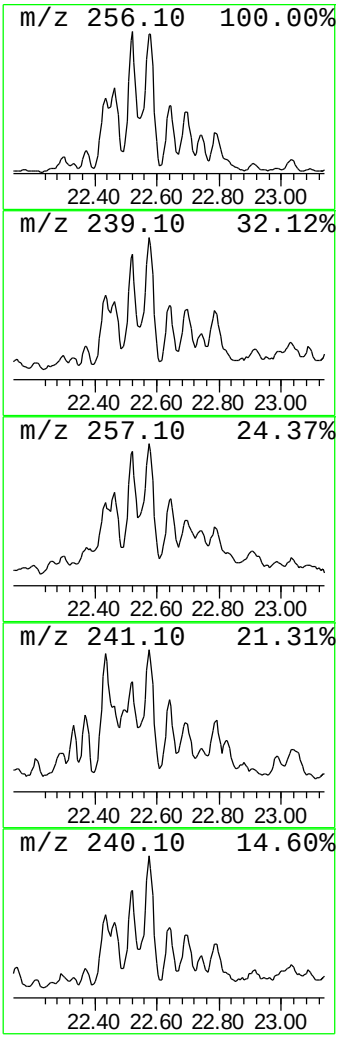
Peak Number 24 Benz(a)anthracene, 6,8-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	7.57 ng/ul	1609920	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	94
2	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	93
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	93
4	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	91
5	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	91





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Sample : H4655-04
Misc :
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Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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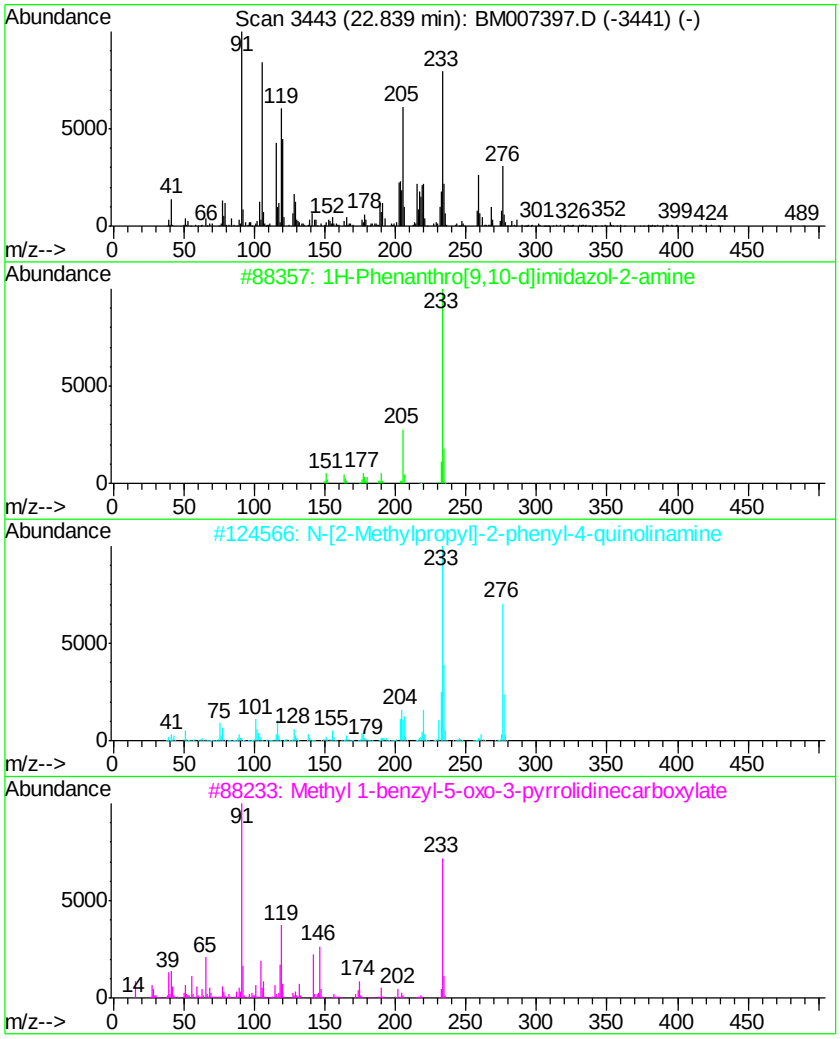
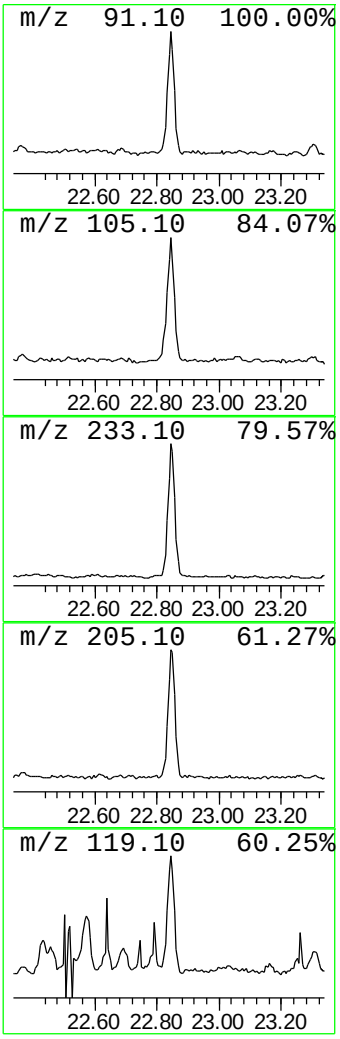
Peak Number 25 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	9.05 ng/ul	1924170	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	46
2	N-[2-Methylpropyl]-2-phenyl-4-qu...	276	C19H20N2	128925-00-8	38
3	Methyl 1-benzyl-5-oxo-3-pyrrolid...	233	C13H15NO3	051535-00-3	27
4	Quinoline-3-carbonitrile, 1,4,5,...	324	C19H20N2OS	309732-44-3	27
5	4-Chloro-3-methoxy-N-pyridin-2-y...	298	C12H11ClN2O3S	1000301-33-4	25





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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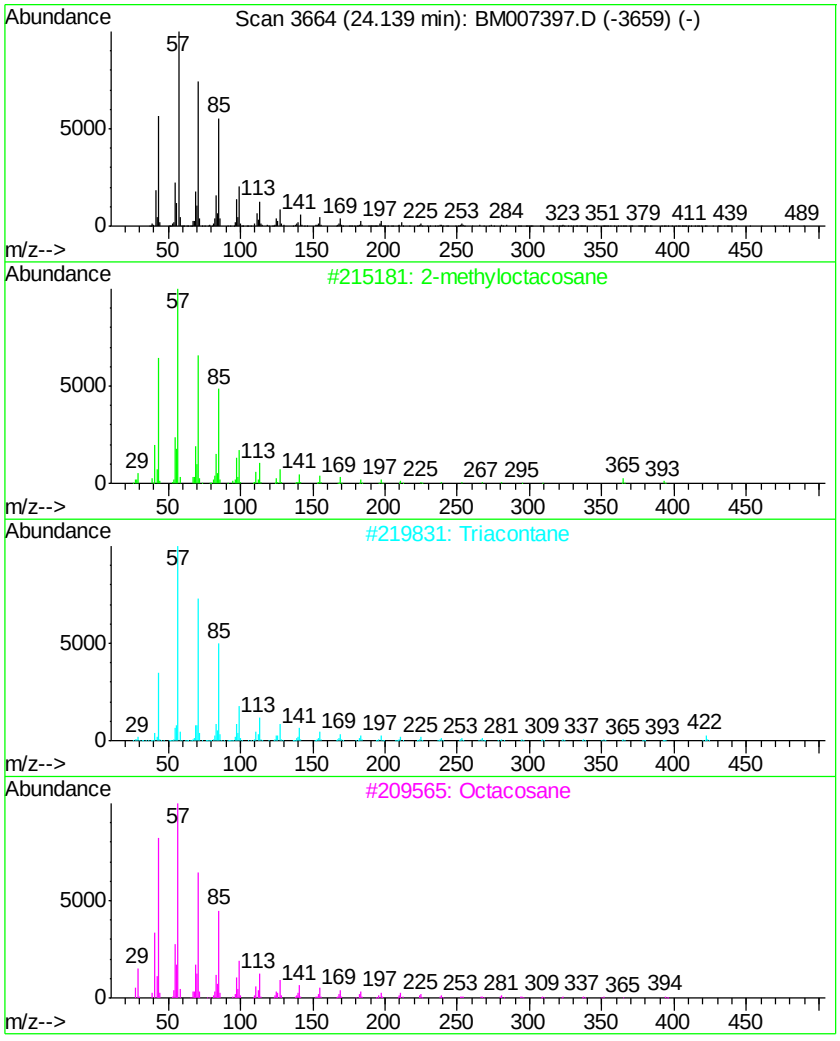
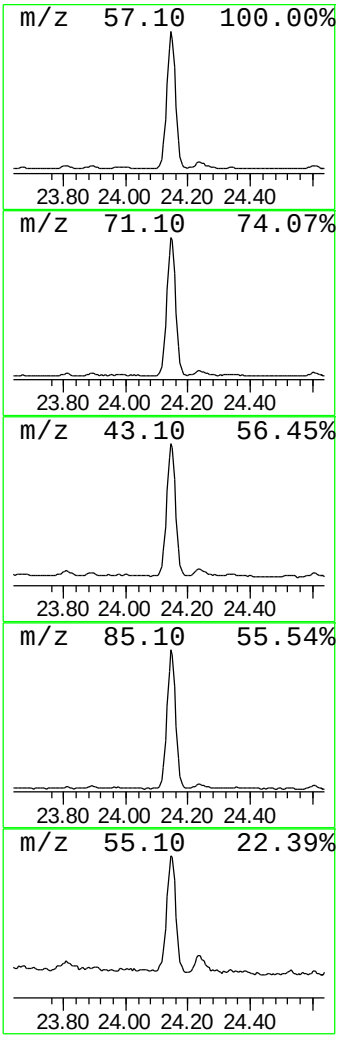
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	37.12 ng/ul	7892310	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Hexacosane	366	C26H54	000630-01-3	90





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Acq On : 03 Sep 2016 08:58
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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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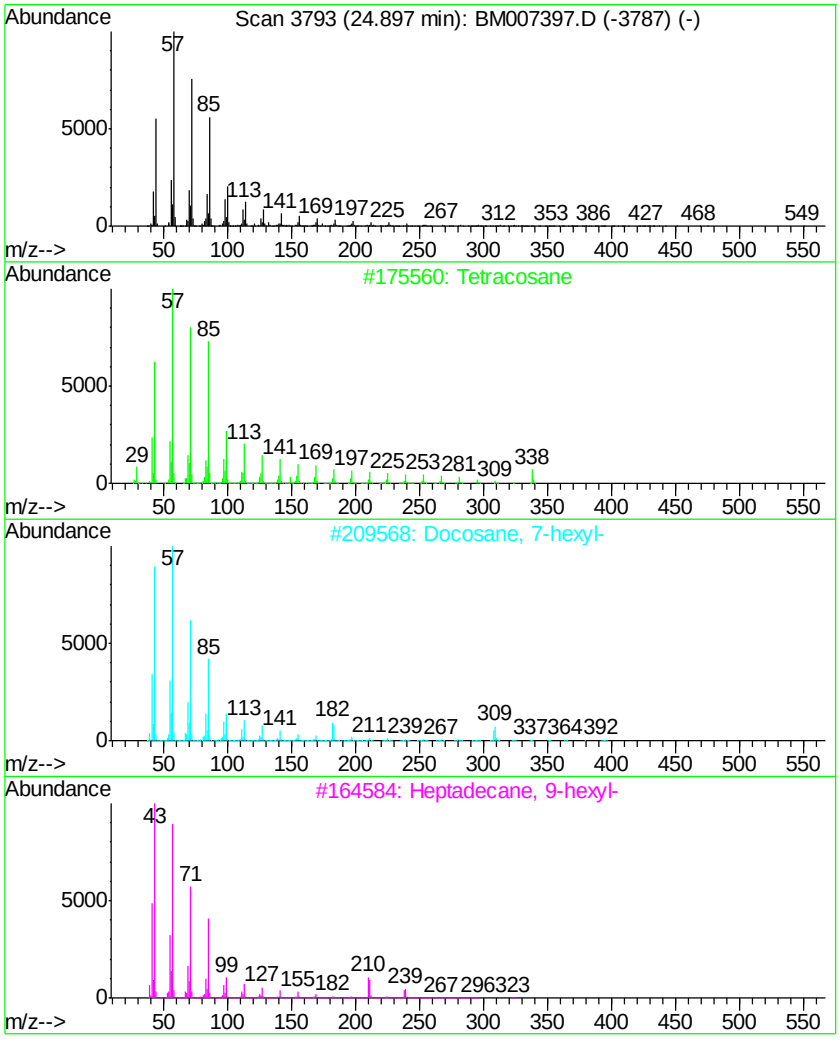
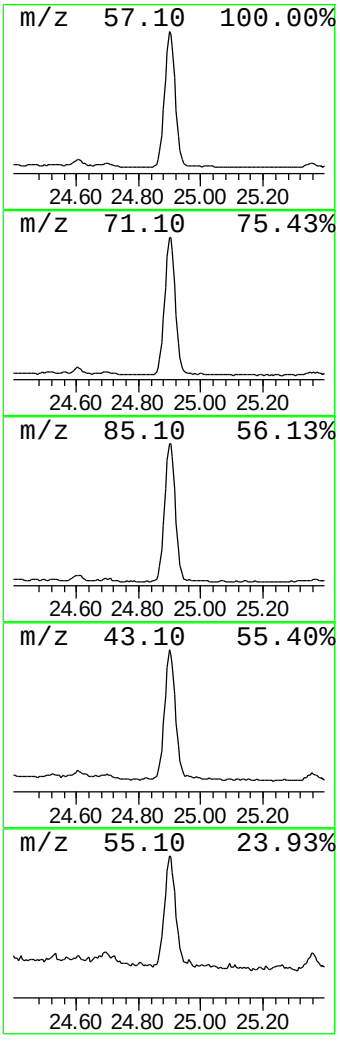
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.90	26.76 ng/ul	5690760	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Docosane, 7-hexyl-	394	C28H58	055373-86-9	93
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Heneicosane	296	C21H44	000629-94-7	91





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Sample : H4655-04
Misc :
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Instrument : BNA_M
ClientSampleId : C0002

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Quant Title : SVOA CALIBRATION

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

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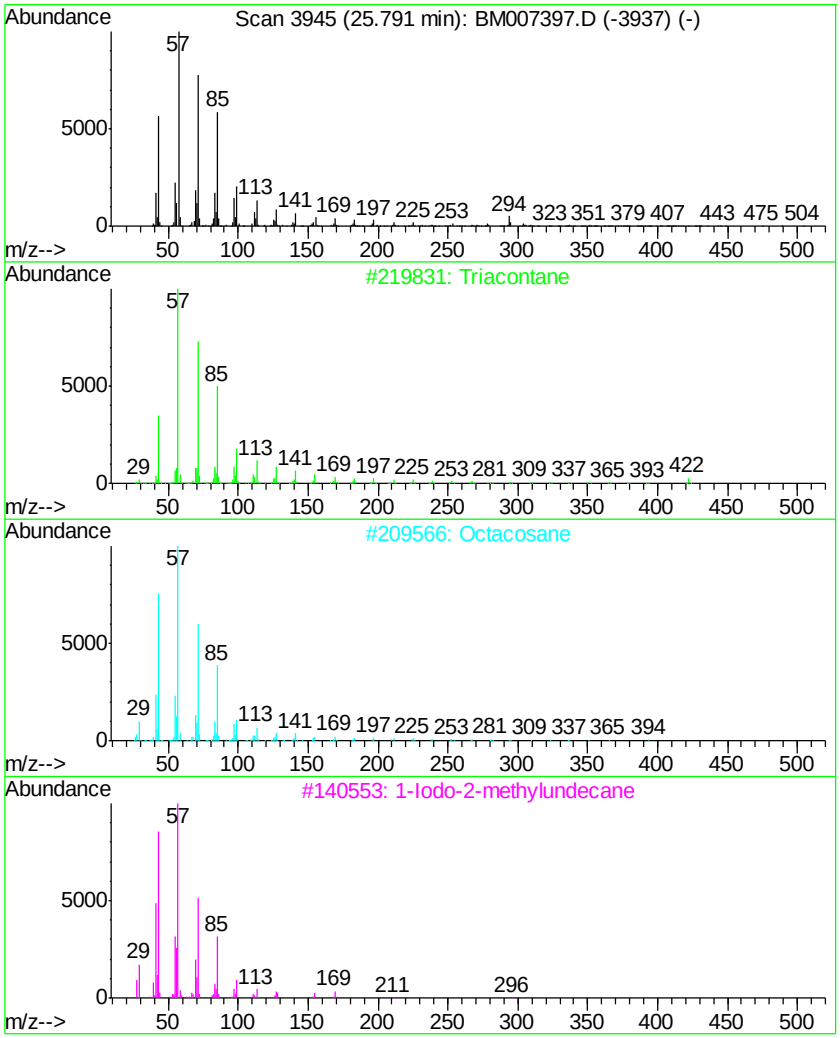
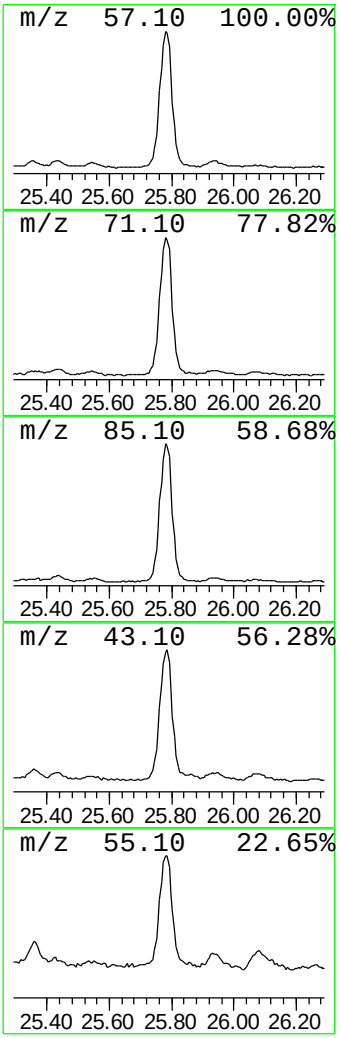
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.79	20.25 ng/ul	4306300	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	91
2	Octacosane	394	C28H58	000630-02-4	91
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	91





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Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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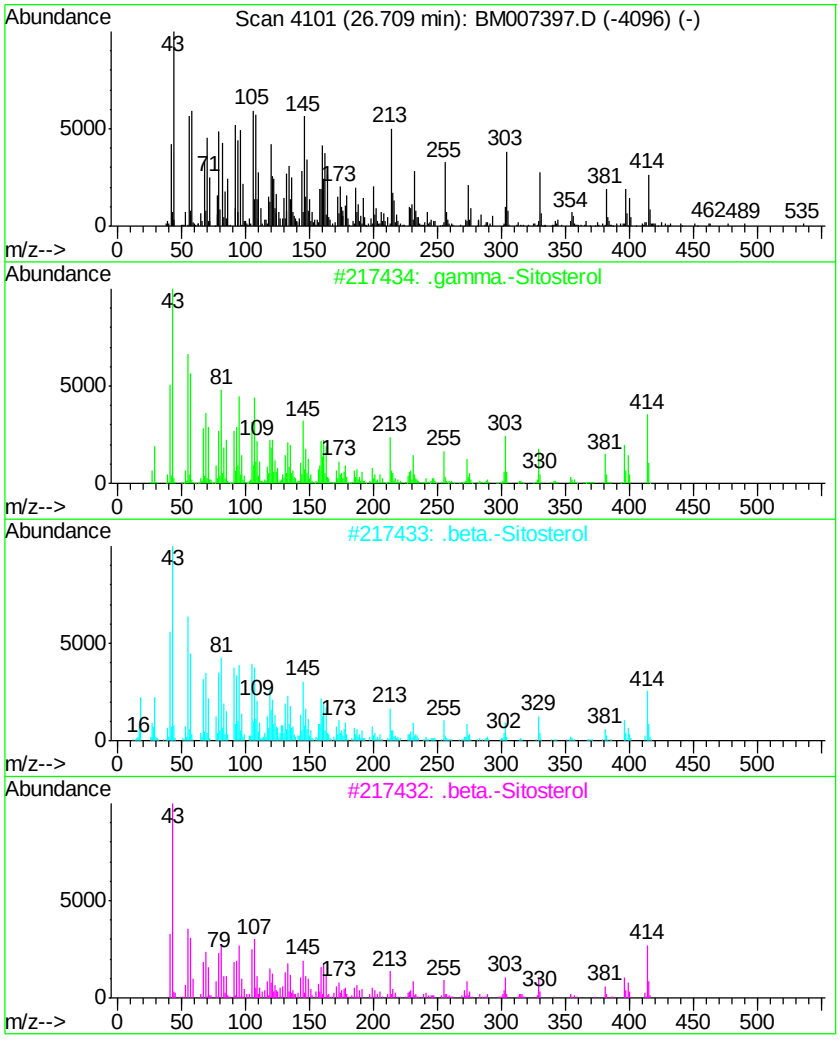
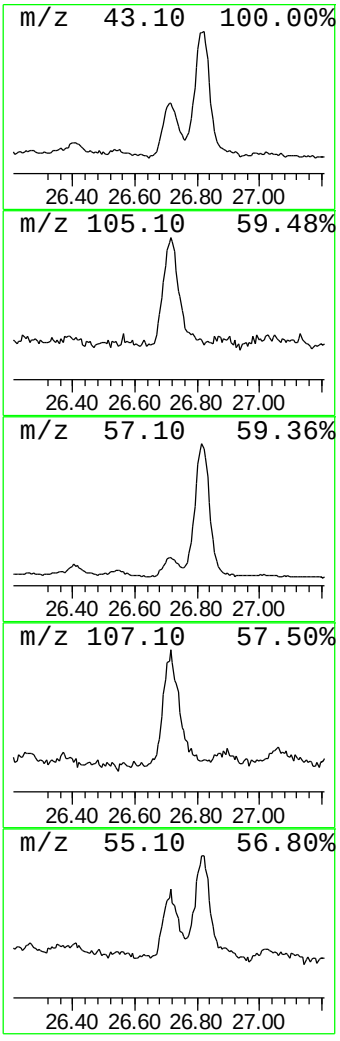
Peak Number 29 .gamma.-Sitosterol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.71	8.82 ng/ul	1875100	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	87
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	55
4	Campesterol	400	C28H48O	000474-62-4	25
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007397.D
Acq On : 03 Sep 2016 08:58
Operator : UM/SJ
Sample : H4655-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0002

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
.alpha.-Methylsty...	7.23	2.3	ng/ul	132169	1	7.79	1148680	20.0
Benzoic acid	9.83	2.8	ng/ul	270983	2	10.58	1942220	20.0
Benzenamine, 5-ch...	12.17	2.7	ng/ul	263062	2	10.58	1942220	20.0
Benzeneacetonitri...	12.27	7.3	ng/ul	711094	2	10.58	1942220	20.0
cis-9-Hexadecenoi...	18.00	2.0	ng/ul	403757	4	17.17	4000510	20.0
n-Hexadecanoic acid	18.06	9.1	ng/ul	1814150	4	17.17	4000510	20.0
unknown-01	19.21	4.6	ng/ul	928588	4	17.17	4000510	20.0
Pyrene, 1-methyl-	20.24	2.7	ng/ul	1359690	5	21.36	10121000	20.0
2,2'-Bi-1H-indene	20.83	3.7	ng/ul	1858310	5	21.36	10121000	20.0
o-Terphenyl	20.92	2.8	ng/ul	1396390	5	21.36	10121000	20.0
Pyrene, 1,3-dimet...	20.97	3.6	ng/ul	1823080	5	21.36	10121000	20.0
Benzo[b]naphtho[2...	21.00	4.9	ng/ul	2469230	5	21.36	10121000	20.0
Sulfurous acid, o...	21.06	3.2	ng/ul	1599780	5	21.36	10121000	20.0
11-Methylbenzo[b]...	21.47	5.6	ng/ul	2823940	5	21.36	10121000	20.0
5-Methylbenzo[b]n...	21.58	5.1	ng/ul	2590270	5	21.36	10121000	20.0
Chrysene, 1-methyl-	21.86	3.1	ng/ul	1562220	5	21.36	10121000	20.0
Benz[a]anthracene...	21.92	18.4	ng/ul	9296840	5	21.36	10121000	20.0
Triphenylene, 2-m...	21.97	8.0	ng/ul	4037620	5	21.36	10121000	20.0
2H-1,3-Benzoxazin...	22.21	3.4	ng/ul	1726890	5	21.36	10121000	20.0
(DEL) Alkane: Str...	22.41	3.9	ng/ul	1984570	5	21.36	10121000	20.0
Benz(a)anthracene...	22.52	14.2	ng/ul	3018110	6	23.63	4252540	20.0
4,12-Dimethylbenz...	22.57	19.7	ng/ul	4183650	6	23.63	4252540	20.0
Benz(a)anthracene...	22.64	7.6	ng/ul	1609920	6	23.63	4252540	20.0
unknown-02	22.84	9.1	ng/ul	1924170	6	23.63	4252540	20.0
(DEL) Alkane: Str...	24.14	37.1	ng/ul	7892310	6	23.63	4252540	20.0
(DEL) Alkane: Str...	24.90	26.8	ng/ul	5690760	6	23.63	4252540	20.0
(DEL) Alkane: Str...	25.79	20.3	ng/ul	4306300	6	23.63	4252540	20.0
.gamma.-Sitosterol	26.71	8.8	ng/ul	1875100	6	23.63	4252540	20.0