LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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-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	3.504	134	139	146	rBB	35650	48814	0.14%	0.074%
2	6.722	681	686	697	rVB	130307	213143	0.60%	0.324%
3	6.869	706	711	717	rVB	93574	135515	0.38%	0.206%
4	7.063	738	744	753	rBB	135468	208273	0.58%	0.316%
5	7.528	817	823	830	rVB	261761	400327	1.12%	0.608%
6	8.257	941	947	955	rBV	142245	220037	0.62%	0.334%
7	8.692	1014	1021	1027	rBV	126630	200427	0.56%	0.304%
8	9.410	1137	1143	1149	rBB	118046	184611	0.52%	0.280%
9	9.957	1230	1236	1244	rBV	176777	286963	0.80%	0.436%
10	10.316	1288	1297	1303	rBV	358232	600429	1.68%	0.912%
11	10.469	1316	1323	1331	rBV	52809	89744	0.25%	0.136%
12	13.616	1853	1858	1863	rBV	314870	438793	1.23%	0.667%
13	13.663	1863	1866	1872	rVB	124879	168130	0.47%	0.255%
14	13.892	1900	1905	1915	rVB	369846	572316	1.60%	0.869%
15	14.204	1945	1958	1965	rVV2	568366	873111	2.45%	1.326%
16	14.268	1965	1969	1977	rVB3	20117	37481	0.11%	0.057%
17	14.451	1996	2000	2008	rVB	80288	115764	0.32%	0.176%
18	14.604	2018	2026	2030	rBV2	36000	67989	0.19%	0.103%
19	15.004	2087	2094	2097	rBV3	19694	37746	0.11%	0.057%
20	15.057	2099	2103	2107	rVB	34320	40695	0.11%	0.062%
21	15.204	2122	2128	2134	rBV	494992	684095	1.92%	1.039%
22	15.357	2149	2154	2162	rBV2	48224	78763	0.22%	0.120%
23	15.921	2245	2250	2252	rBV3	67338	98270	0.28%	0.149%
24	16.474	2339	2344	2350	rBV6	60026	120440	0.34%	0.183%
25	16.721	2381	2386	2390	rBV2	135369	185672	0.52%	0.282%
26	16.833	2401	2405	2408	rBV3	61836	76162	0.21%	0.116%
27	16.962	2421	2427	2431	rBV	755202	1114247	3.12%	1.693%
28	17.004	2431	2434	2438	rVV	283007	350351	0.98%	0.532%
29	17.057	2438	2443	2447	rVV2	529301	748104	2.10%	1.136%
30	17.092	2447	2449	2453	rVV	99292	114053	0.32%	0.173%
31	17.139	2453	2457	2464	rVB3	70781	117495	0.33%	0.178%
32	17.374	2493	2497	2500	rVB	34036	46992	0.13%	0.071%
33	17.562	2523	2529	2534	rVB2	169652	325221	0.91%	0.494%
34	17.809	2567	2571	2573	rBV	63340	89677	0.25%	0.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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-BM072715.M
Title : SVOA CALIBRATION

35	17.862	2577	2580	2587	rVV3	228460	412099	1.15%	0.626%
36	17.927	2587	2591	2595	rVB	250734	292268	0.82%	0.444%
37	18.027	2604	2608	2613	rBV2	400395	544451	1.53%	0.827%
38	18.086	2616	2618	2622	rVB	128296	148165	0.42%	0.225%
39	18.133	2623	2626	2632	rBV3	64552	111829	0.31%	0.170%
40	18.315	2653	2657	2663	rBV3	198482	335843	0.94%	0.510%
41	18.498	2685	2688	2692	rVB	89255	105115	0.29%	0.160%
42	18.886	2747	2754	2763	rVB4	383007	828311	2.32%	1.258%
43	18.968	2766	2768	2772	rVB	100844	122502	0.34%	0.186%
44	19.033	2774	2779	2784	rBV	800637	1045126	2.93%	1.588%
45	19.086	2785	2788	2795	rVV3	160427	279436	0.78%	0.425%
46	19.174	2798	2803	2809	rVB2	664699	932260	2.61%	1.416%
47	19.239	2811	2814	2818	rVB2	174480	195244	0.55%	0.297%
48	19.368	2832	2836	2839	rBV2	713108	1058698	2.97%	1.608%
49	19.398	2839	2841	2845	rVB	532698	651048	1.82%	0.989%
50	19.515	2858	2861	2865	rVB	204689	235005	0.66%	0.357%
51	19.627	2876	2880	2887	rVB2	500571	643175	1.80%	0.977%
52	19.892	2921	2925	2930	rBV3	433141	626980	1.76%	0.952%
53	19.945	2931	2934	2940	rVB	347289	401520	1.13%	0.610%
54	20.168	2969	2972	2976	rBV	506853	589939	1.65%	0.896%
55	20.409	3009	3013	3018	rVB	1249979	1449945	4.06%	2.203%
56	20.492	3020	3027	3036	rVV4	457389	914333	2.56%	1.389%
57	20.639	3049	3052	3060	rVB2	269034	470789	1.32%	0.715%
58	21.109	3124	3132	3135	rBV	22424679	35690309	100.00%	54.219%
59	21.180	3138	3144	3148	rBV2	981662	1993643	5.59%	3.029%
60	21.674	3225	3228	3232	rBV2	388546	411979	1.15%	0.626%
61	21.821	3249	3253	3258	rVB2	833356	1130108	3.17%	1.717%
62	21.921	3266	3270	3274	rBV3	396144	613851	1.72%	0.933%
63	21.968	3275	3278	3281	rBV4	530652	829384	2.32%	1.260%
64	22.127	3302	3305	3307	rBV2	338941	424158	1.19%	0.644%
65	22.680	3396	3399	3402	rBV	483479	552428	1.55%	0.839%
66	23.227	3488	3492	3497	rVB2	617231	920110	2.58%	1.398%
67	23.374	3513	3517	3522	rVB2	471733	773030	2.17%	1.174%
68	23.844	3593	3597	3603	rVB	584837	1002913	2.81%	1.524%

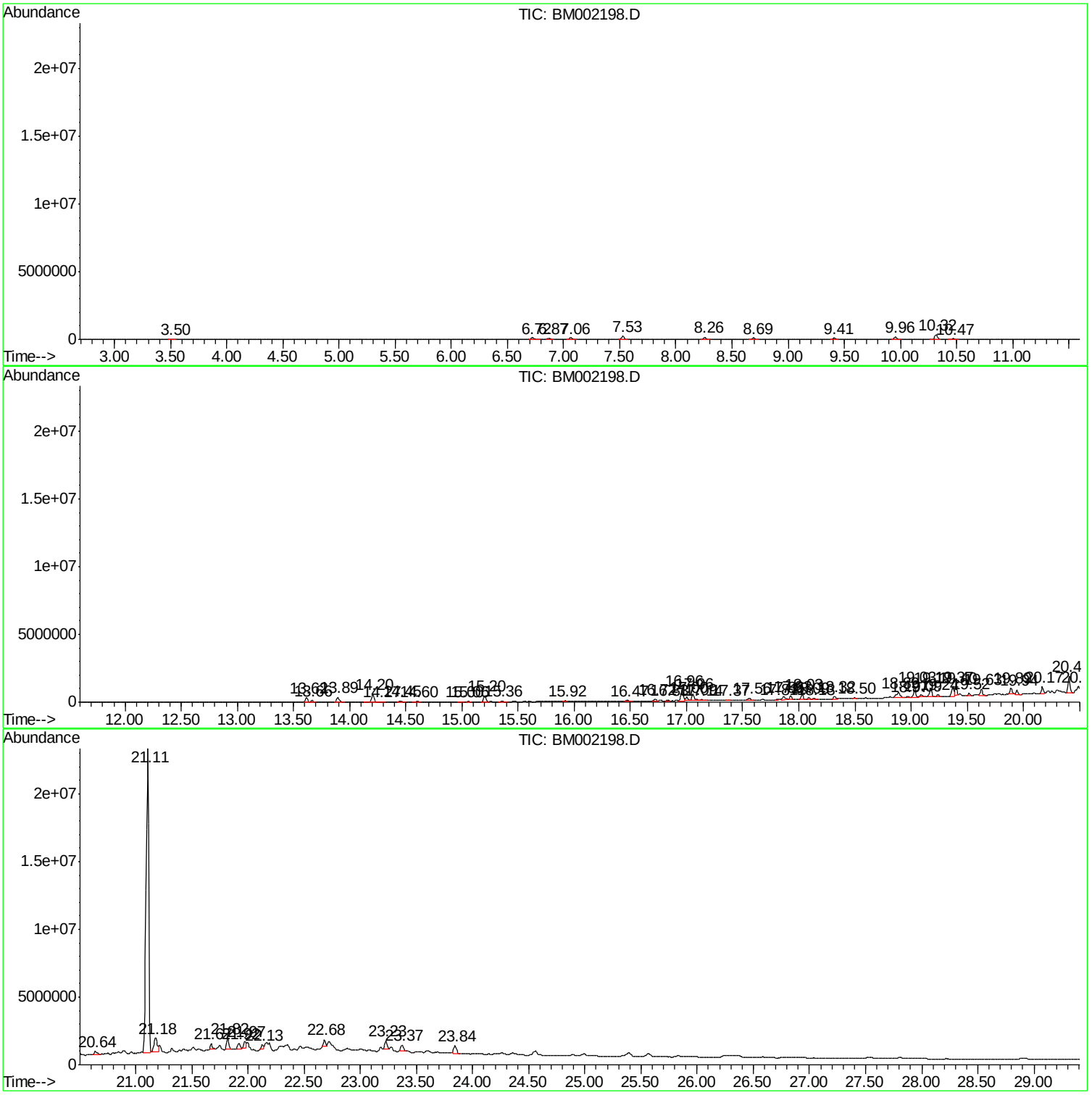
Sum of corrected areas: 65825844

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01L2

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
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Quant Title : SVOA CALIBRATION

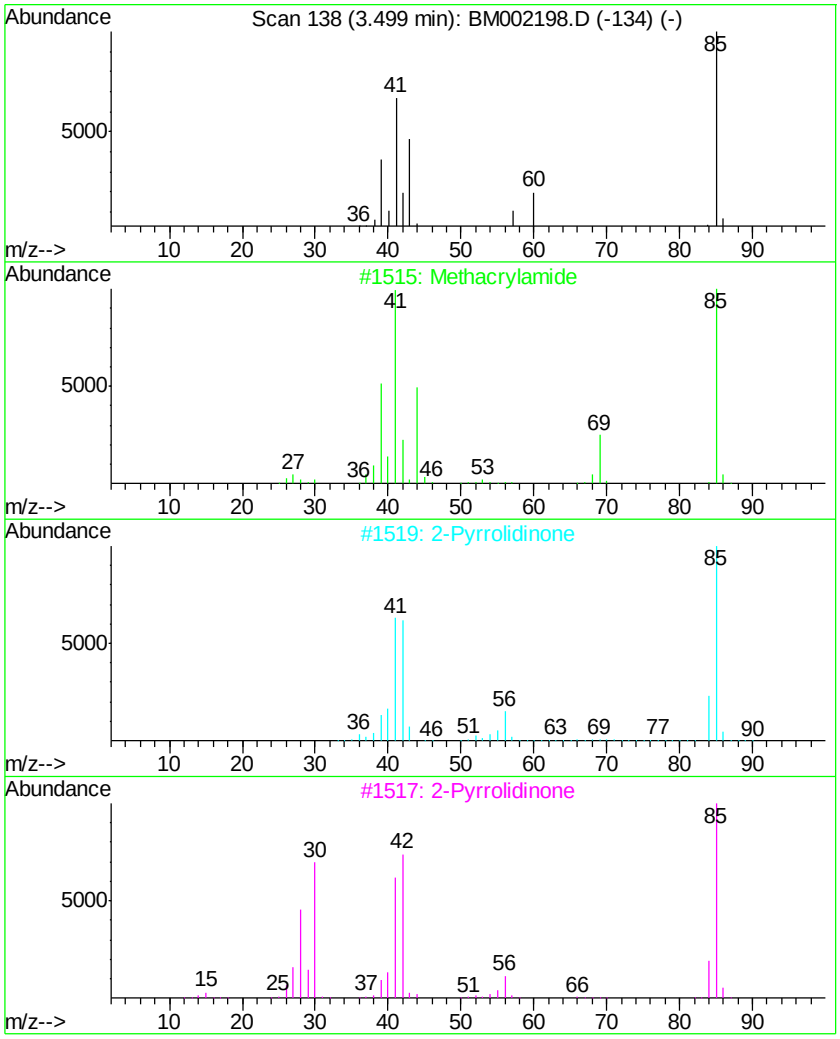
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

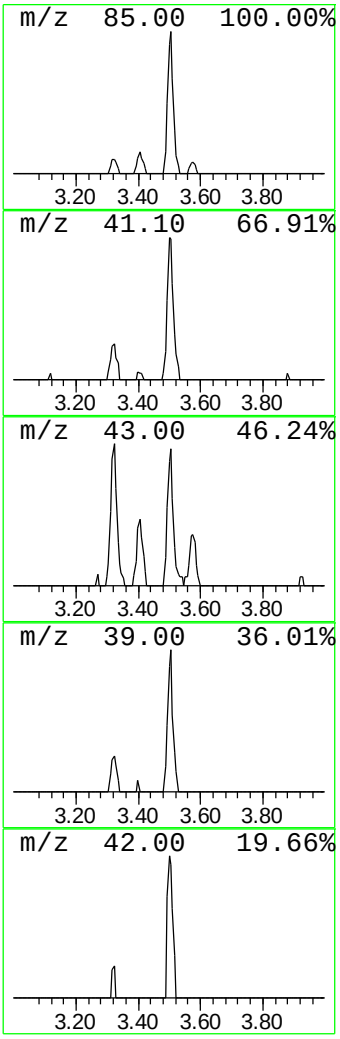
****

Peak Number 1 Methacrylamide Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	2.44 ng/ul	48814	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	53
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	42
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	28
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	2(3H)-Furanone, dihydro-5-propyl-	128	C7H12O2	000105-21-5	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

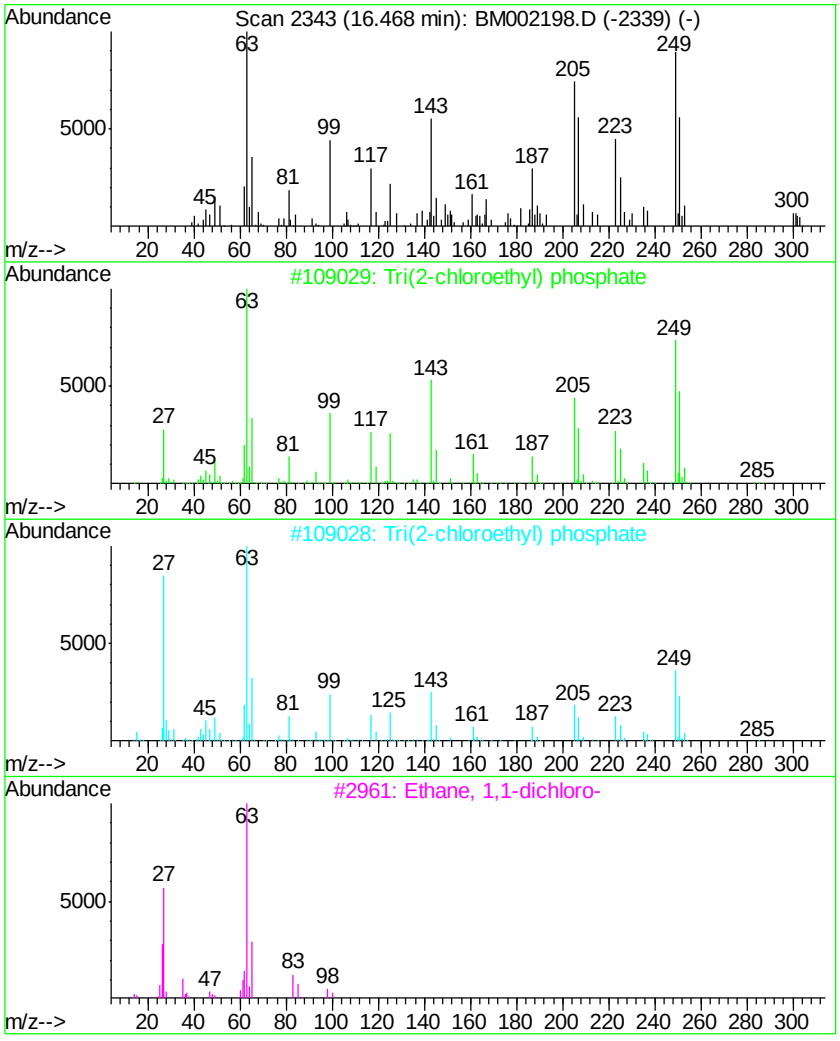
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

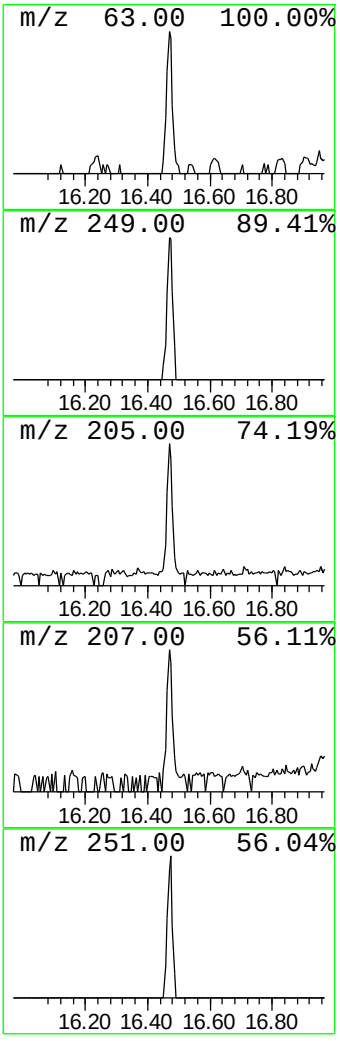
****

Peak Number 2 Tri(2-chloroethyl) phosphate Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.16 ng/ul	120440	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	90
2	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	72
3	Ethane, 1,1-dichloro-	98	C2H4Cl2	000075-34-3	38
4	Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	38
5	N,N'-Bis(2-chloroethyl)oxamide	212	C6H10Cl2N2O2	016813-43-7	35





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Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

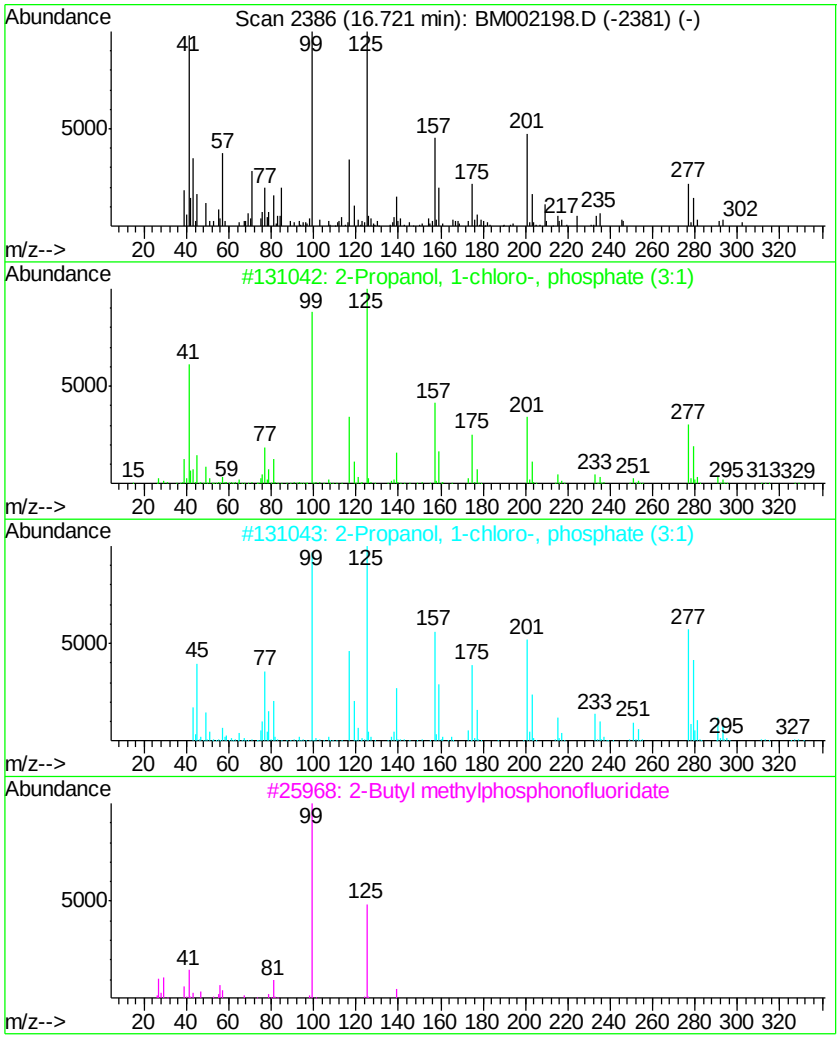
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

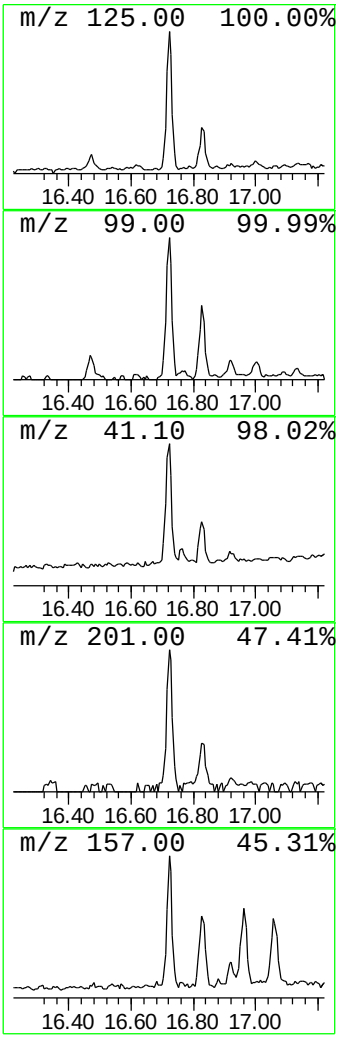
****

Peak Number 3 2-Propanol, 1-chloro-, phos... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	3.33 ng/ul	185672	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	64
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	43
3	2-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-52-3	35
4	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	35
5	4,5,6-Pyrimidinetriamine	125	C4H7N5	000118-70-7	11





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

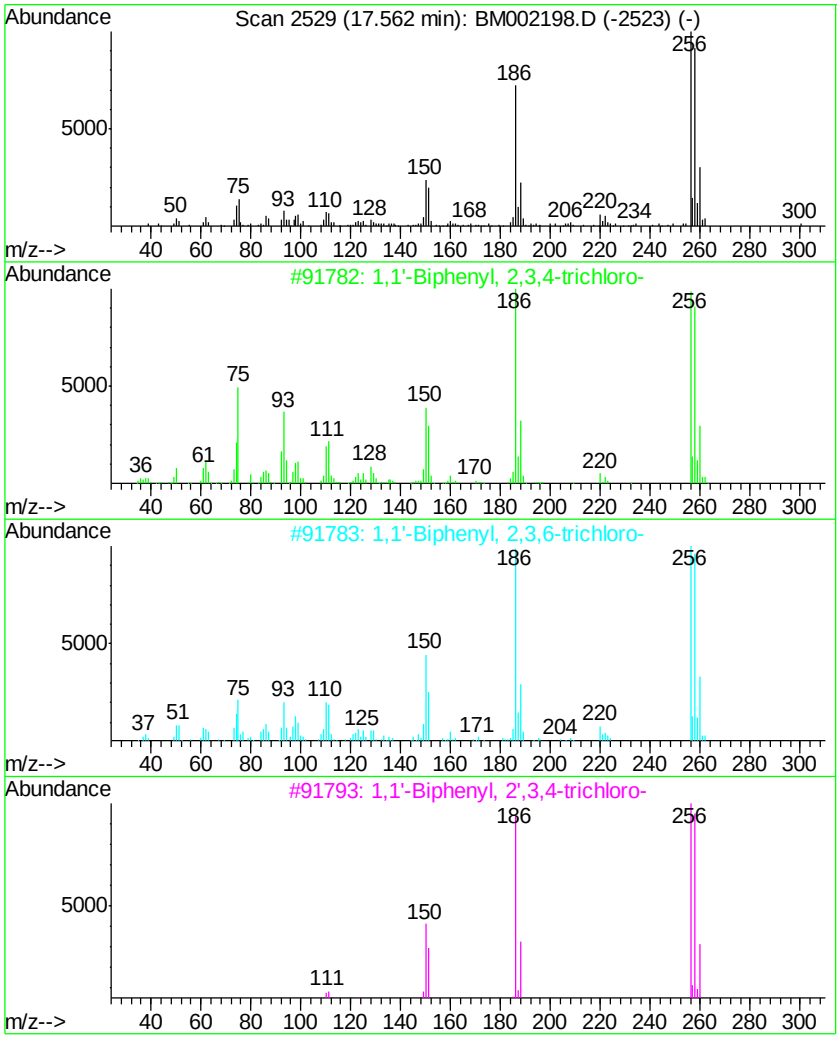
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

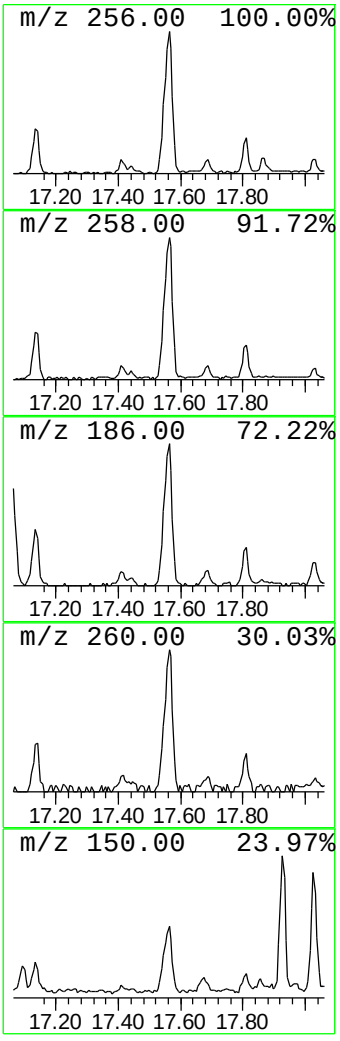
****

Peak Number 4 1,1'-Biphenyl, 2,3,4-trichl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	5.84 ng/ul	325221	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98
2	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	96
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
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Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

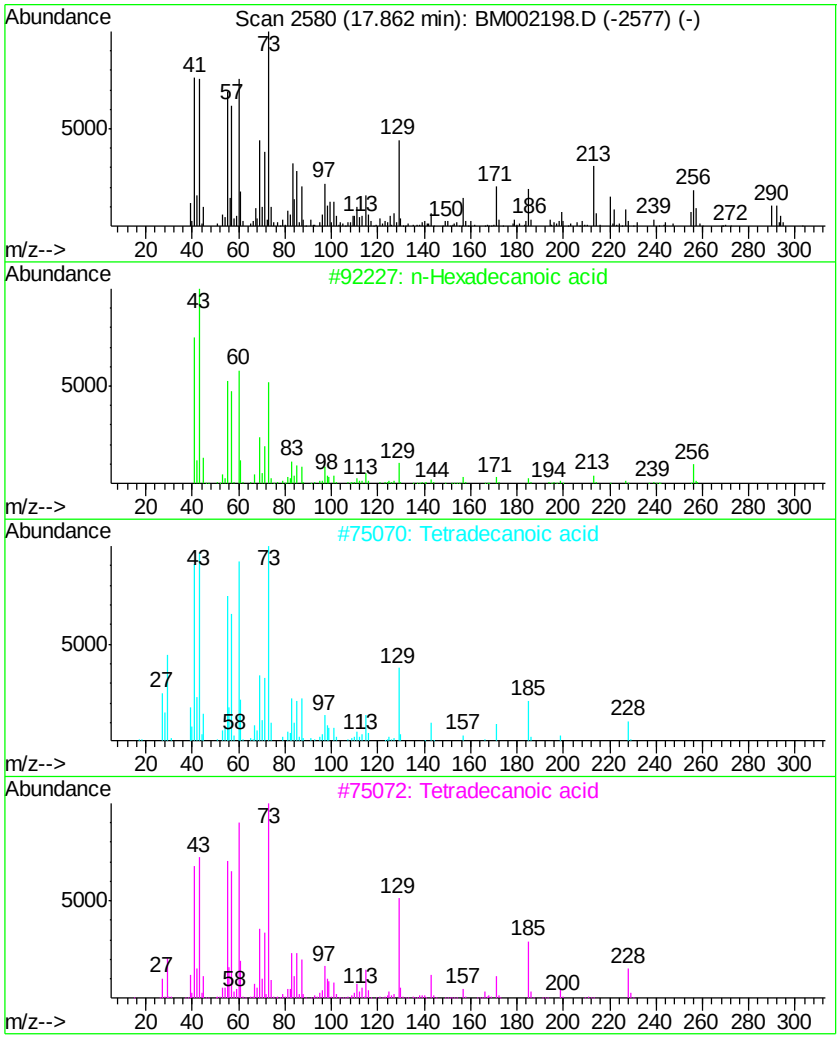
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

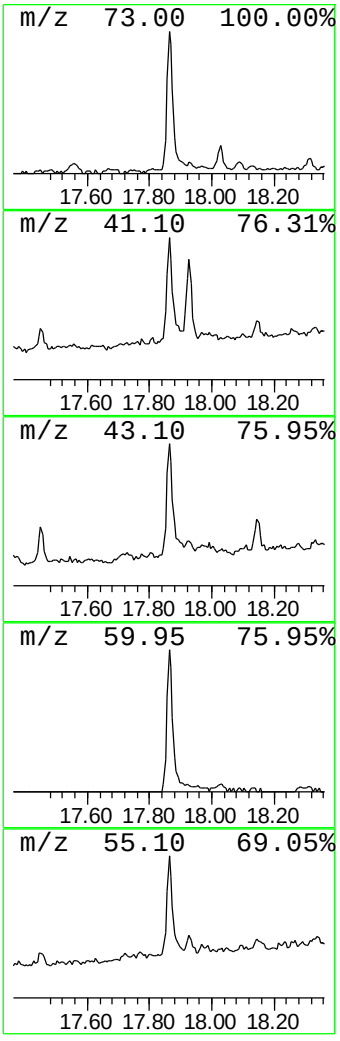
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	7.40 ng/ul	412099	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

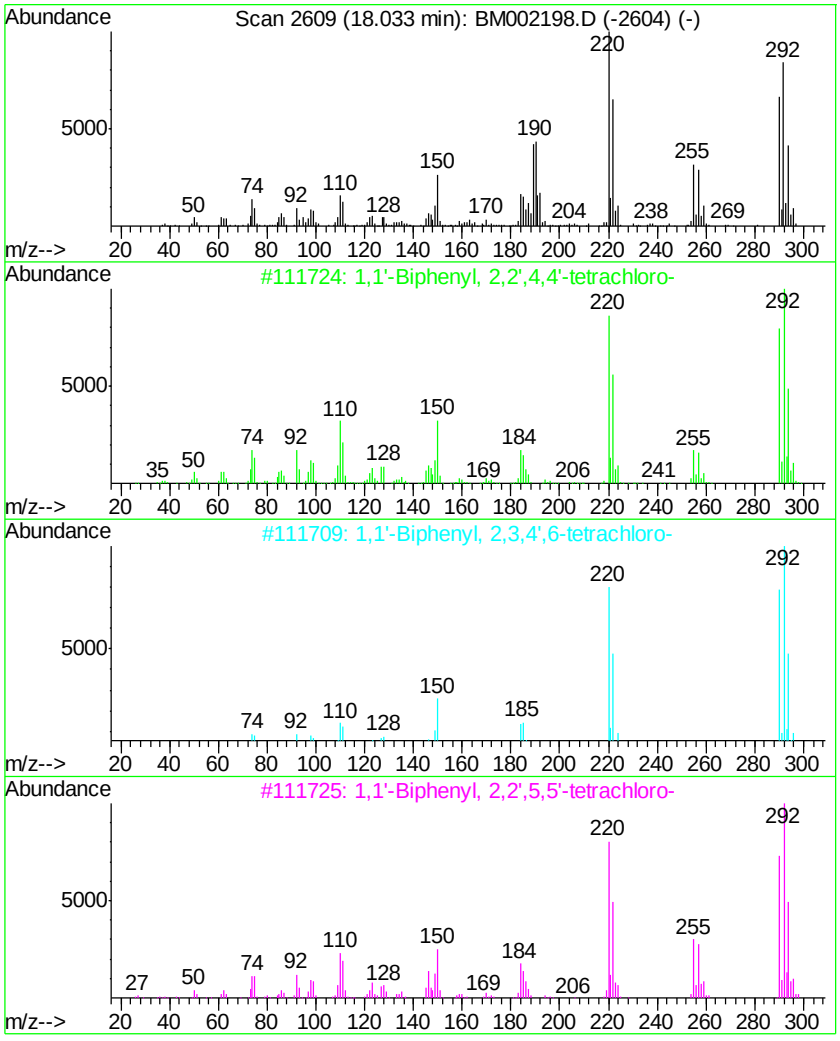
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

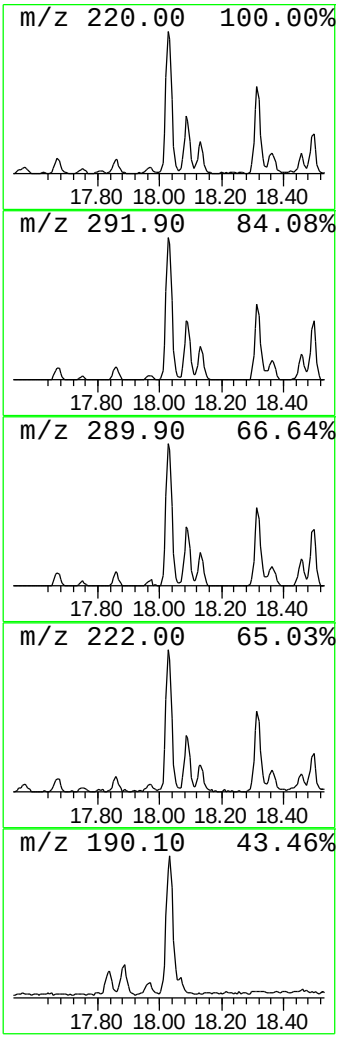
****

Peak Number 6 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	9.77 ng/ul	544451	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

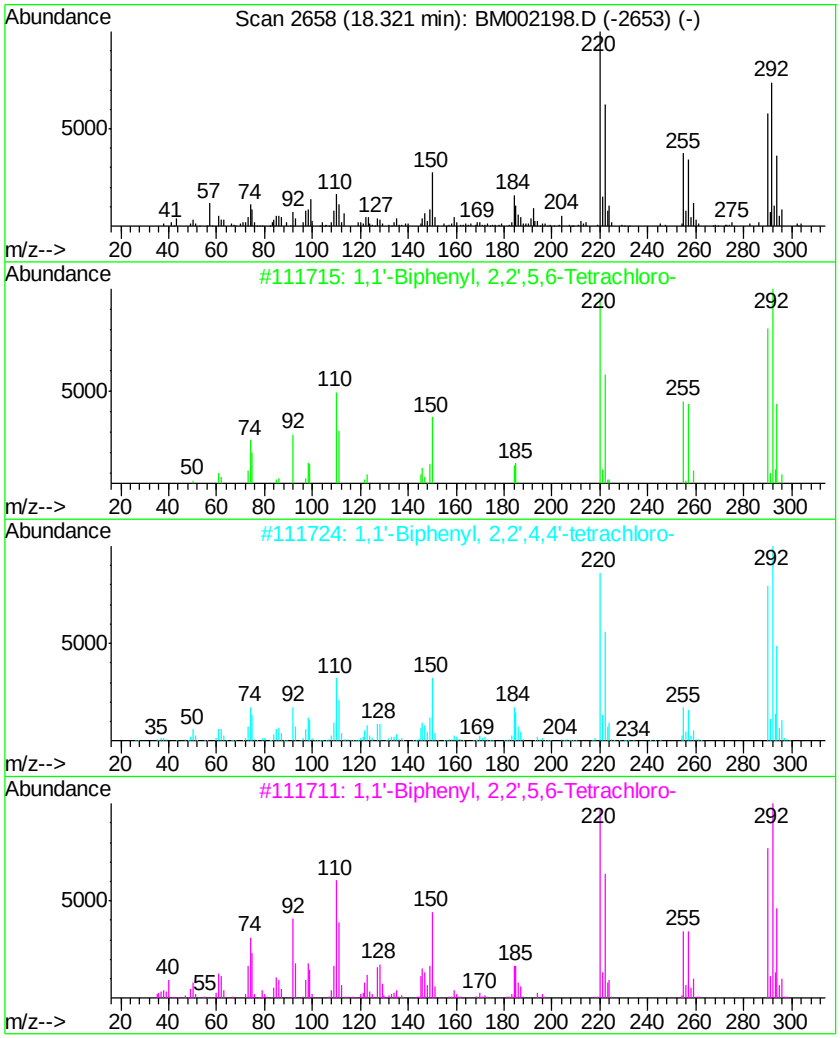
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

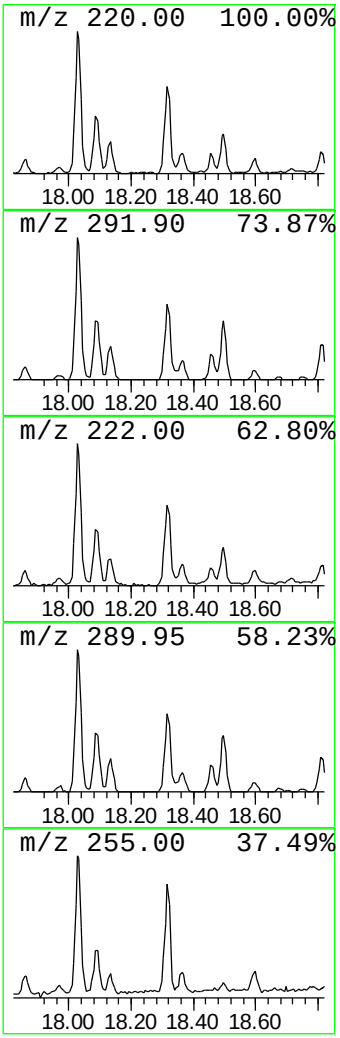
****

Peak Number 9 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	6.03 ng/ul	335843	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99





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Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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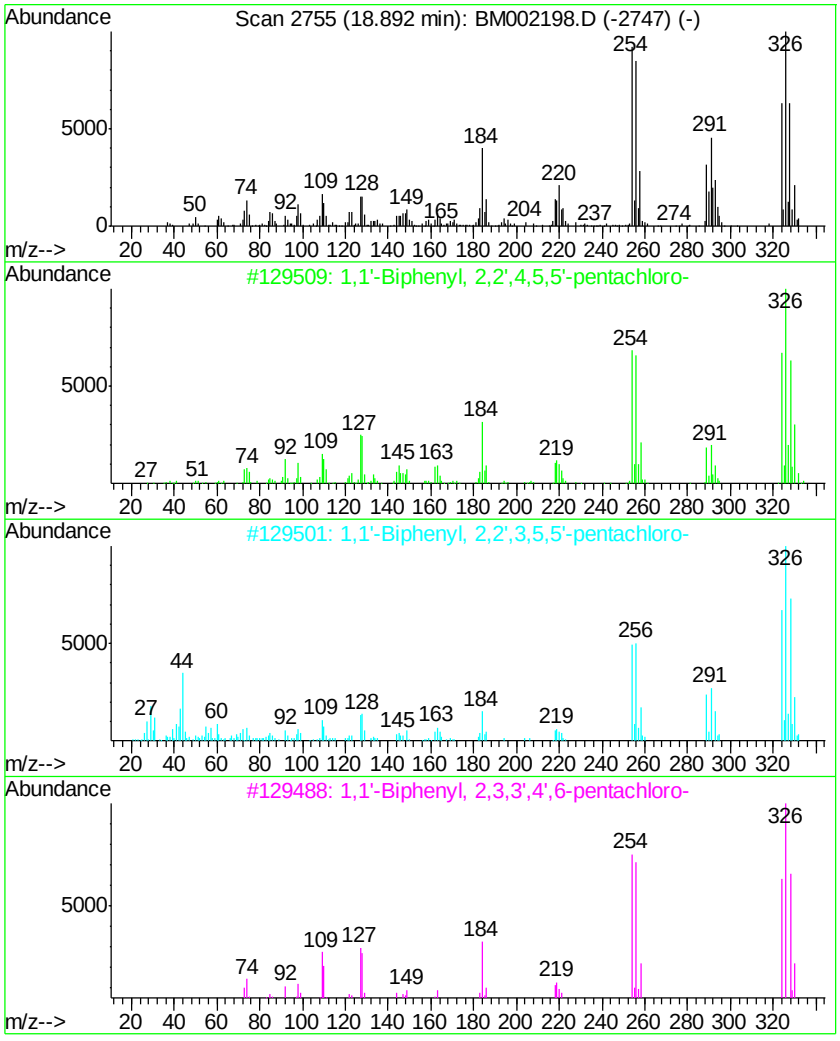
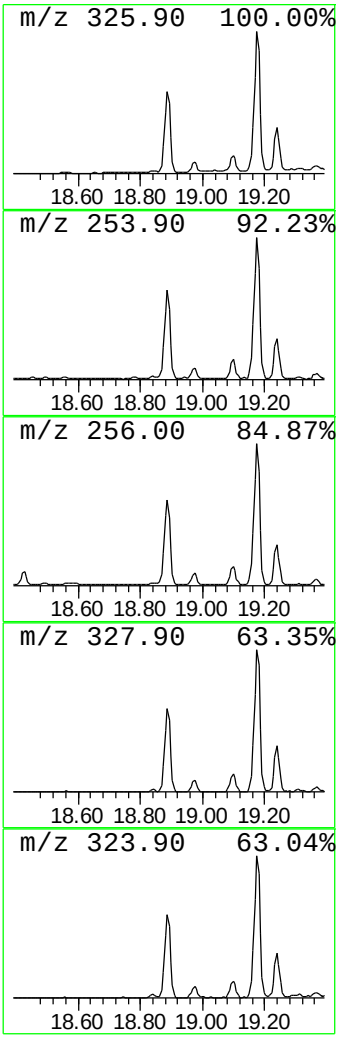
Peak Number 10 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	14.87 ng/ul	828311	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
3	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99





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Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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Quant Title : SVOA CALIBRATION

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

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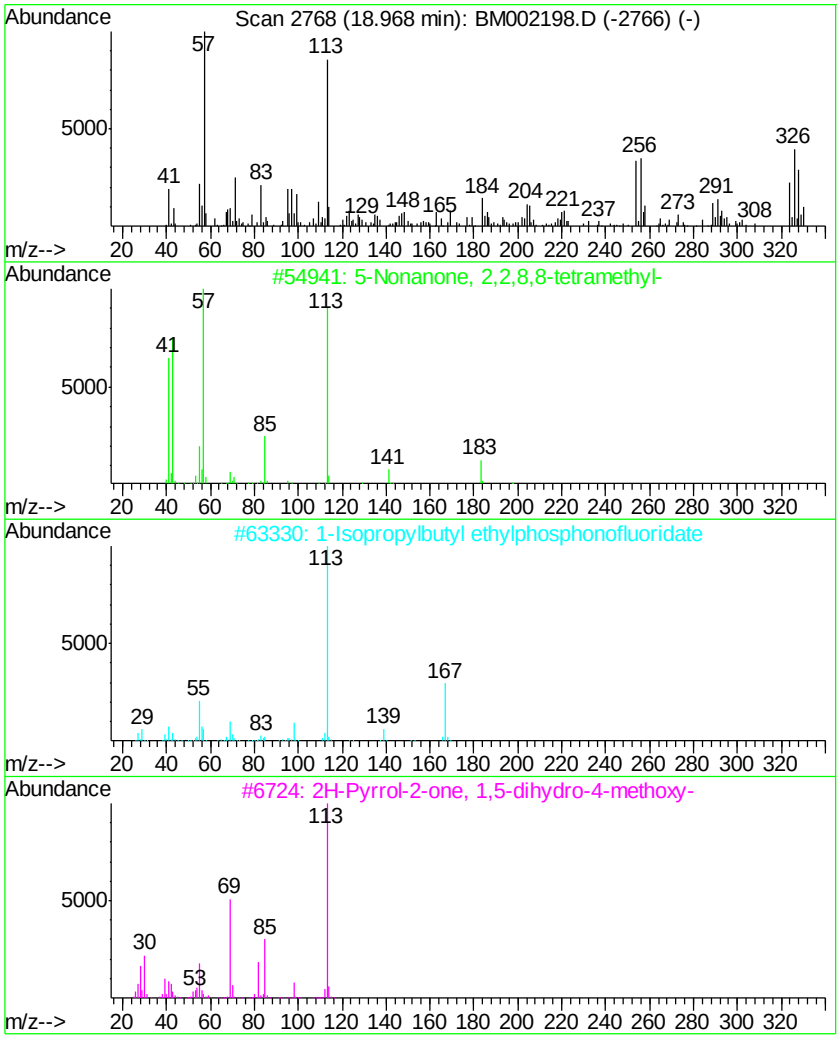
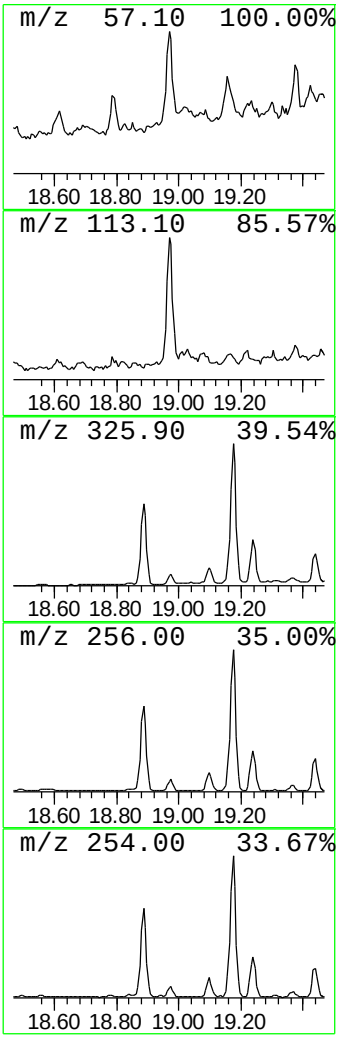
Peak Number 11 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	2.20 ng/ul	122502	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	20
2	1-Isopropylbutyl ethylphosphonof...	210	C9H20FO2P	1000298-39-8	14
3	2H-Pyrrol-2-one, 1,5-dihydro-4-m...	113	C5H7NO2	069778-83-2	14
4	Cyclohexanol, 4-methyl-1-(1-meth...	156	C10H20O	000470-65-5	14
5	4-Fluoro-6-aminopyrimidine	113	C4H4FN3	051421-96-6	14





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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Quant Title : SVOA CALIBRATION

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

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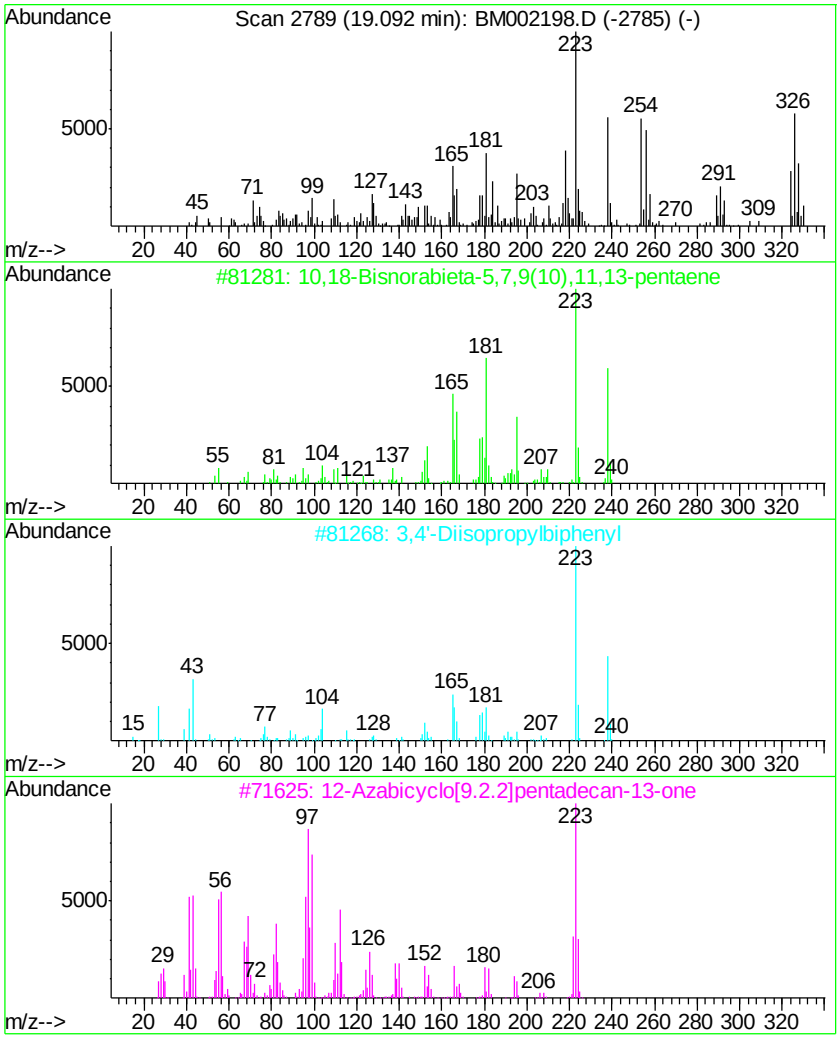
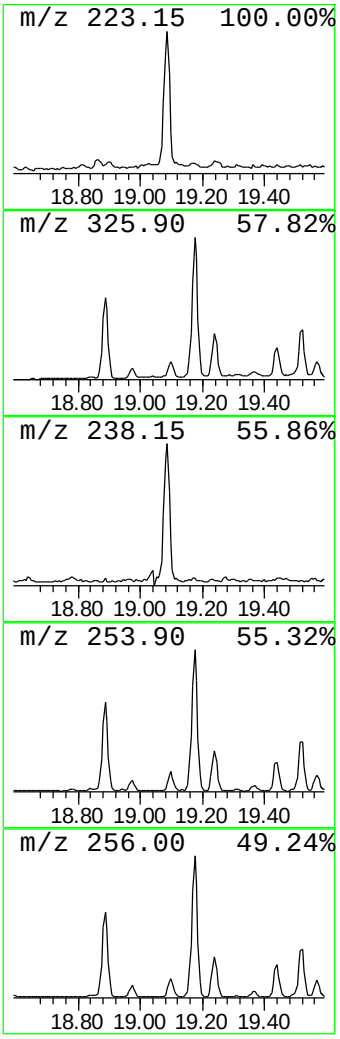
Peak Number 12 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.80 ng/ul	279436	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	78
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	74
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	60
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53





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Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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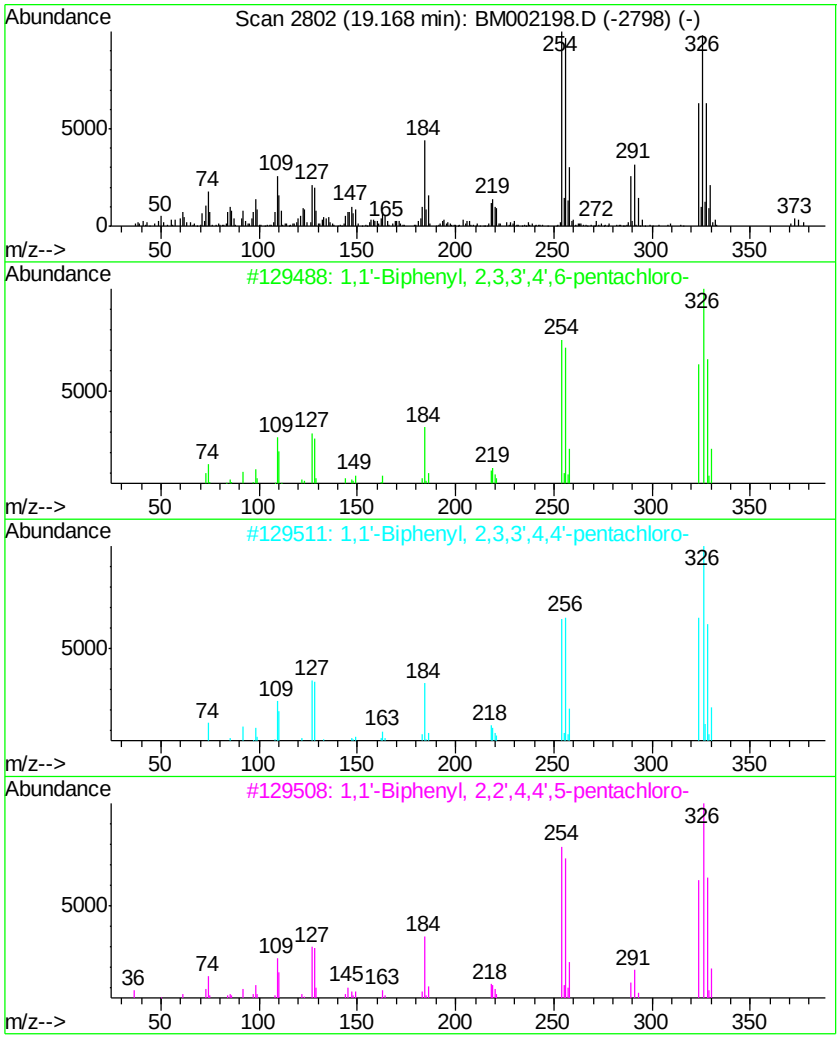
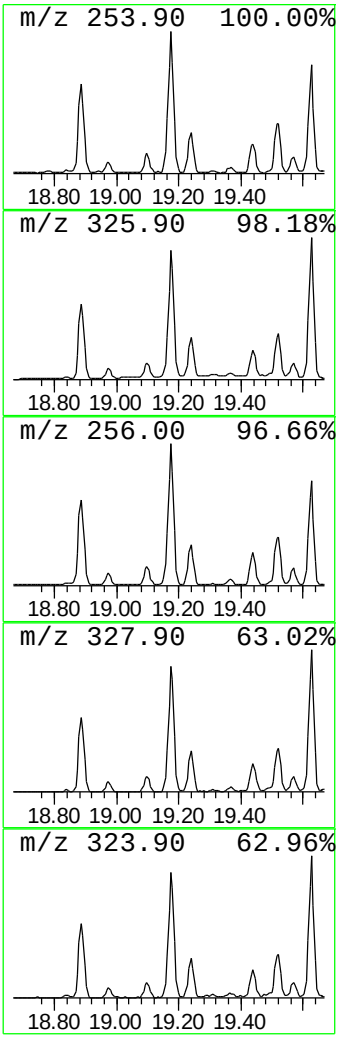
Peak Number 13 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	9.35 ng/ul	932260	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
3	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99
4	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95





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Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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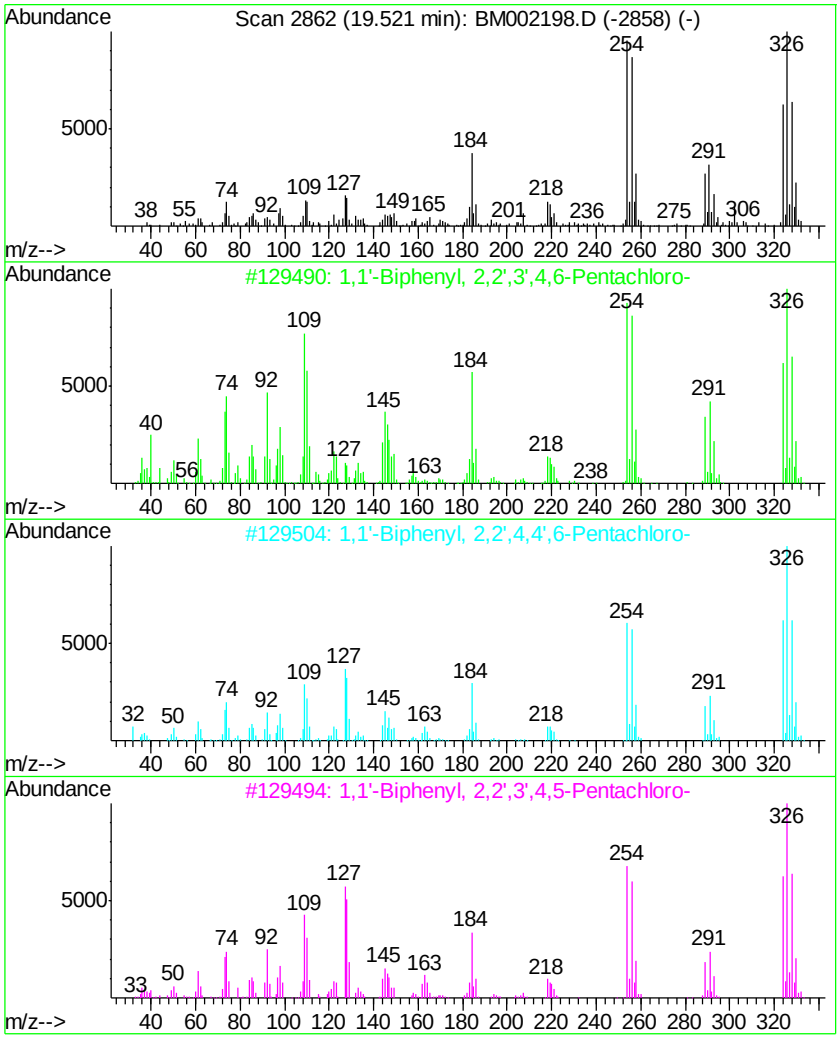
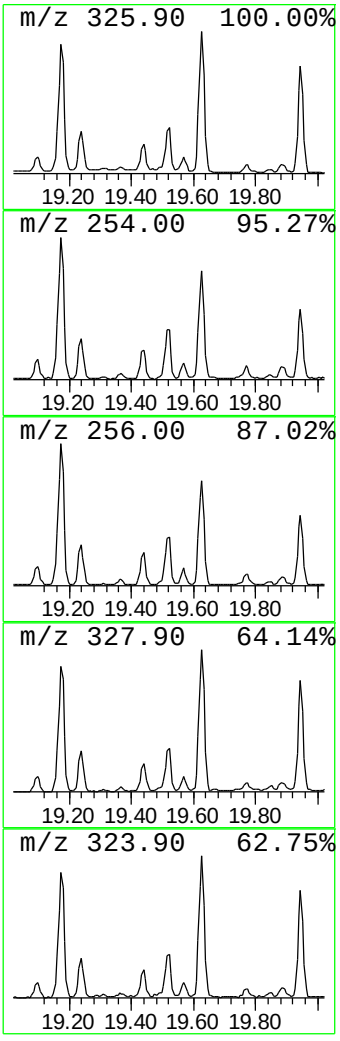
Peak Number 14 1,1'-Biphenyl, 2,2',3',4,6-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	2.36 ng/ul	235005	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	96
2	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	96
3	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	96





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Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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Quant Title : SVOA CALIBRATION

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

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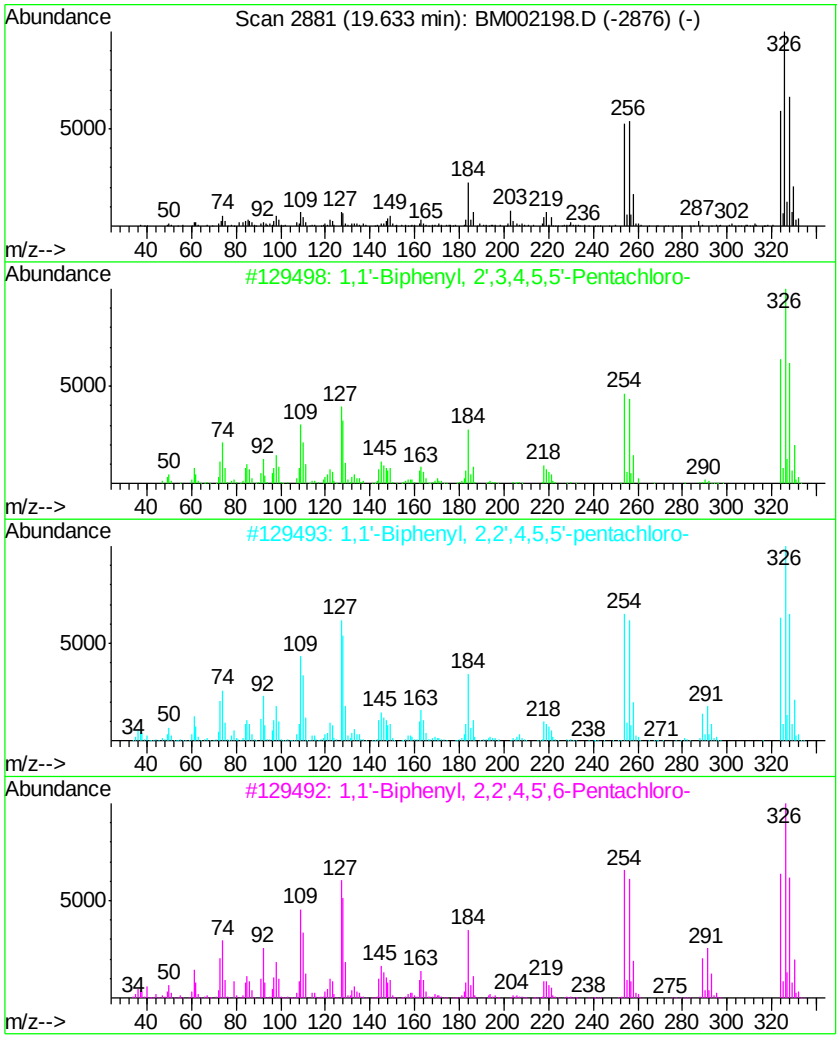
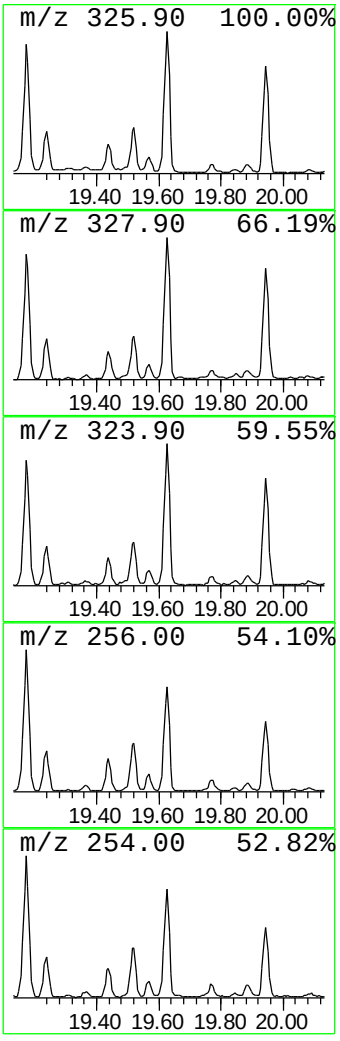
Peak Number 15 1,1'-Biphenyl, 2',3,4,5,5'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	6.45 ng/ul	643175	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	95
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95
3	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	95
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	95





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Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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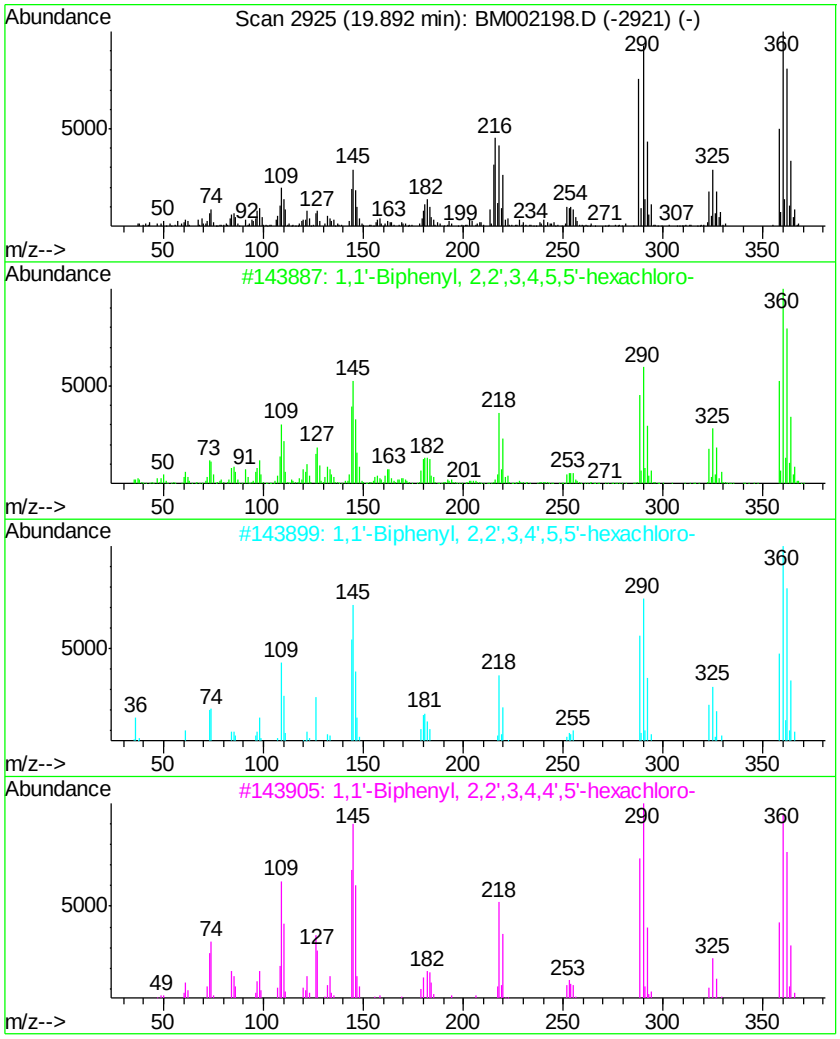
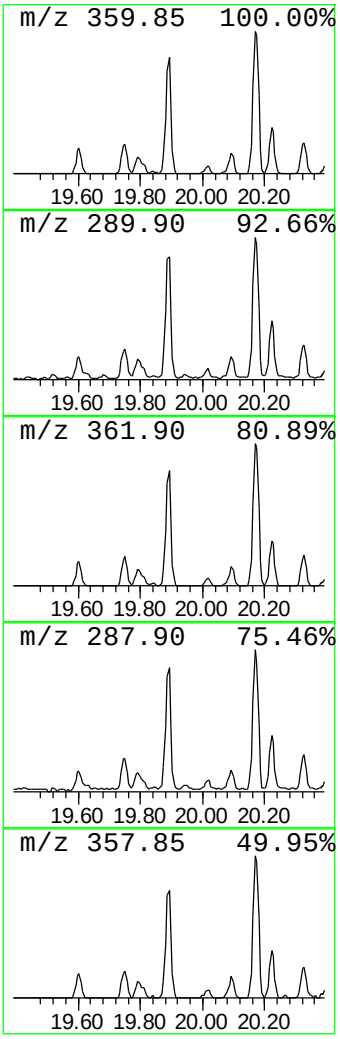
Peak Number 16 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	6.29 ng/ul	626980	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98





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Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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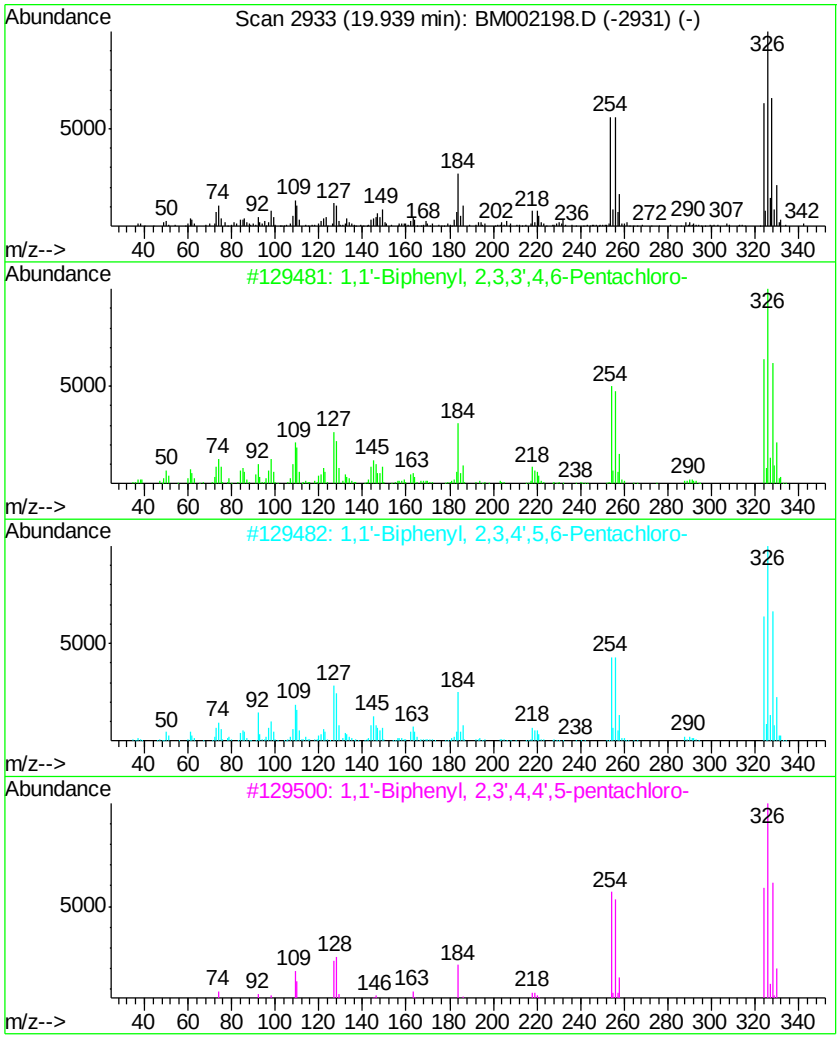
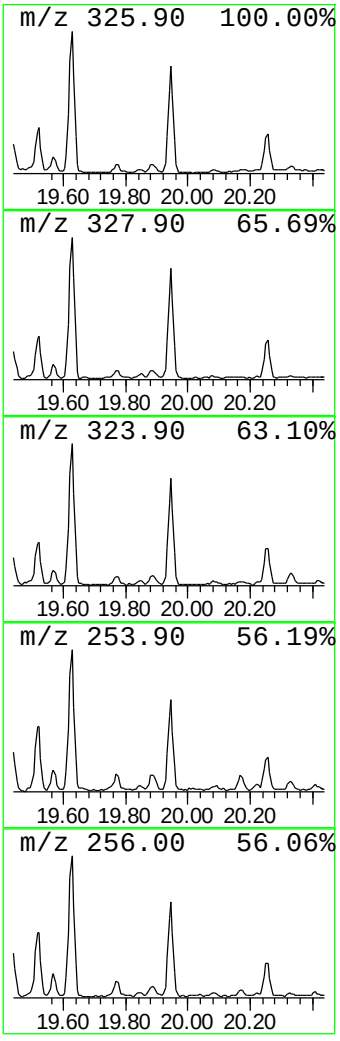
Peak Number 17 1,1'-Biphenyl, 2,3,3',4,6-P... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	4.03 ng/ul	401520	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	96
2	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
4	1,1'-Biphenyl, 2,3',4,4',6-Penta...	324	C12H5Cl5	056558-17-9	95
5	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95





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Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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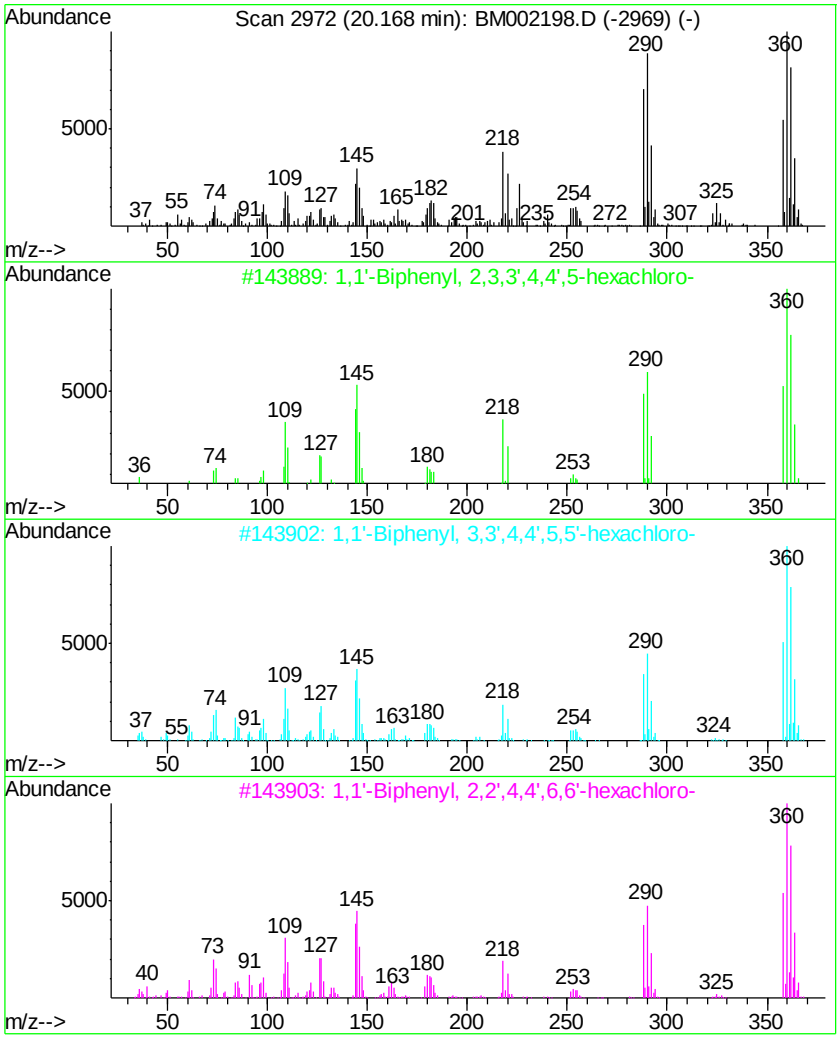
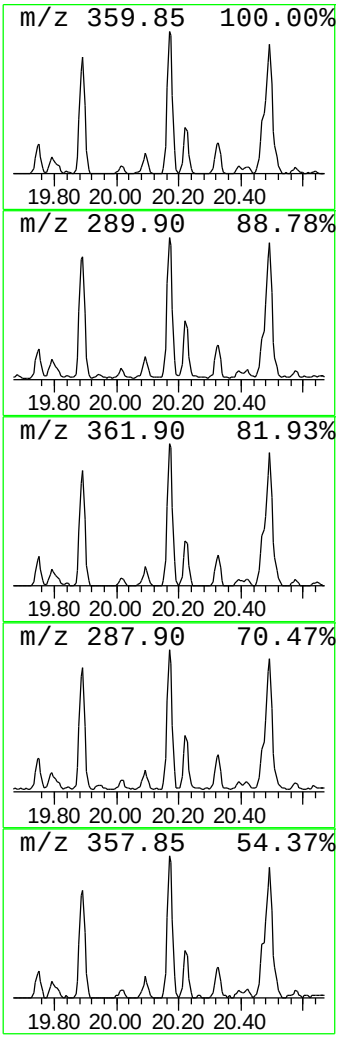
Peak Number 18 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	5.92 ng/ul	589939	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	98
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
5	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	96





Library Search Compound Report

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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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Quant Title : SVOA CALIBRATION

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

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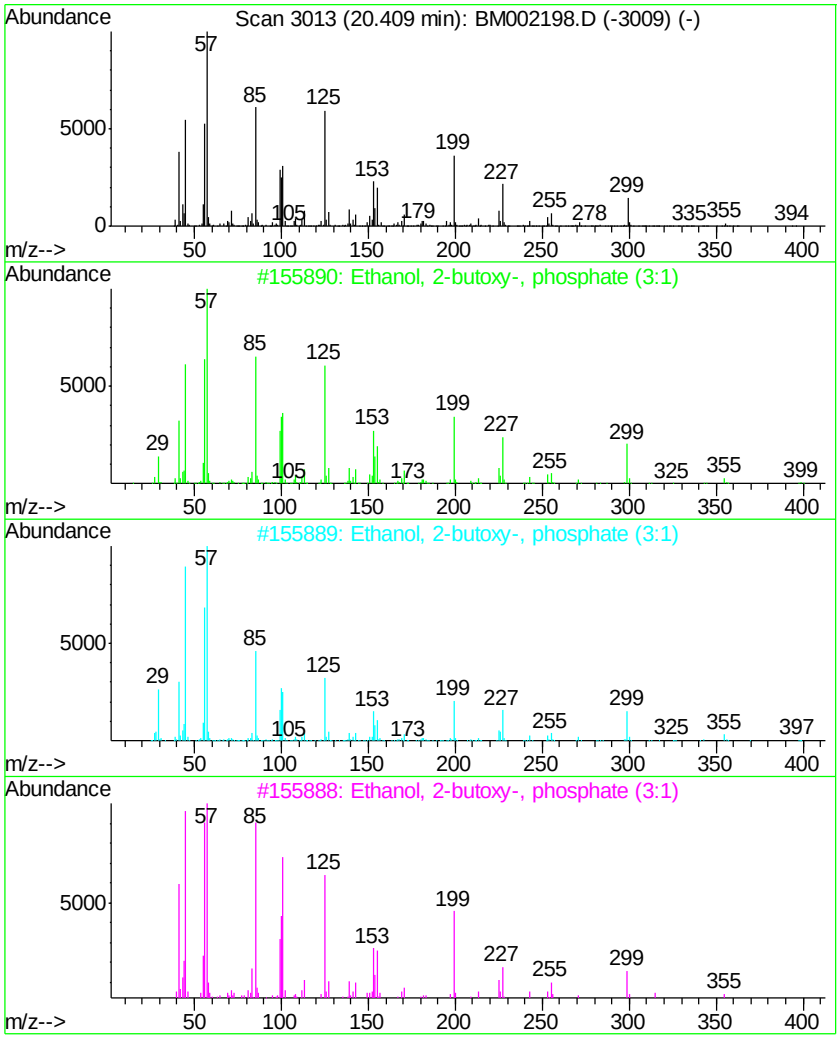
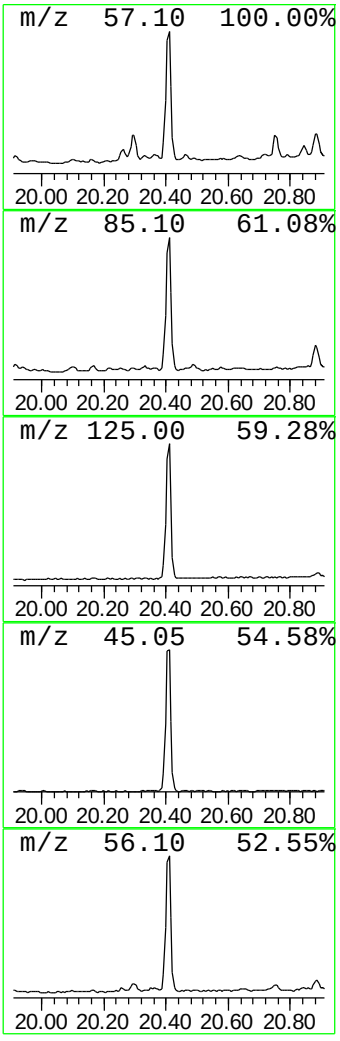
Peak Number 19 Ethanol, 2-butoxy-, phospha... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.41	14.55 ng/ul	1449950	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	90
2	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	59
3	Ethanol, 2-butoxy-, phosphate (3:1)	398	C18H39O7P	000078-51-3	58
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	14
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	14





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Sample : G3073-01
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Instrument : BNA_M
ClientSampleId : C01L2

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Quant Title : SVOA CALIBRATION

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

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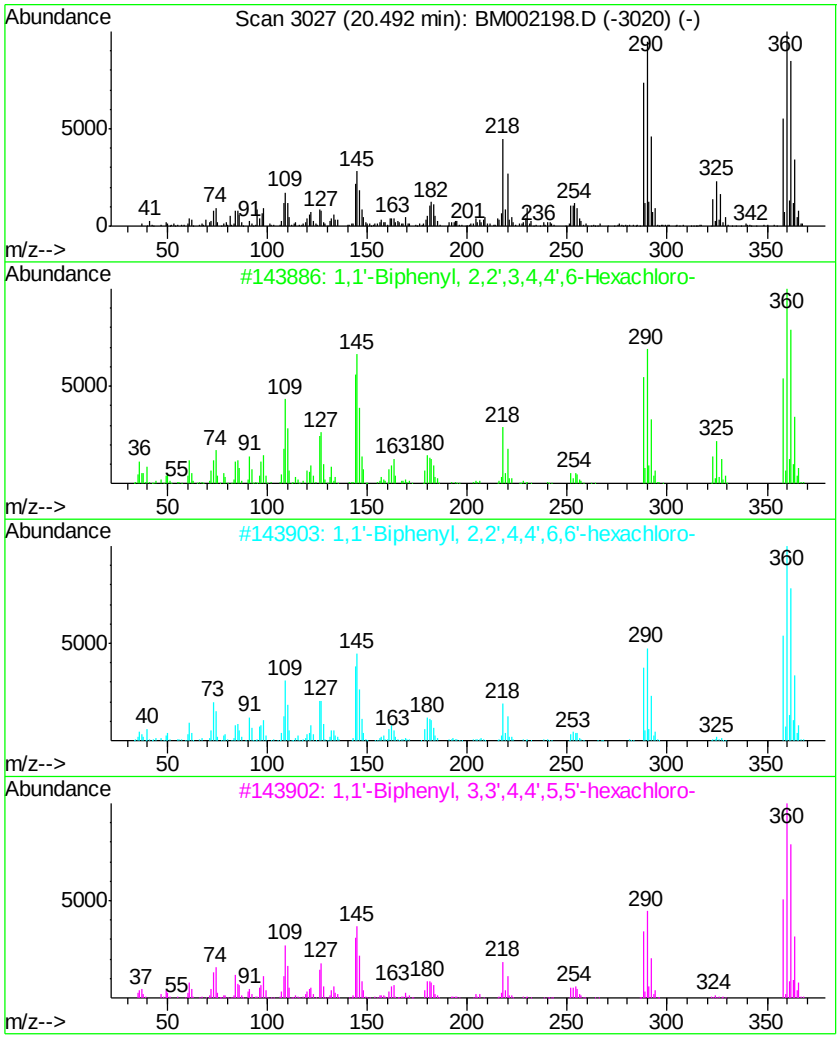
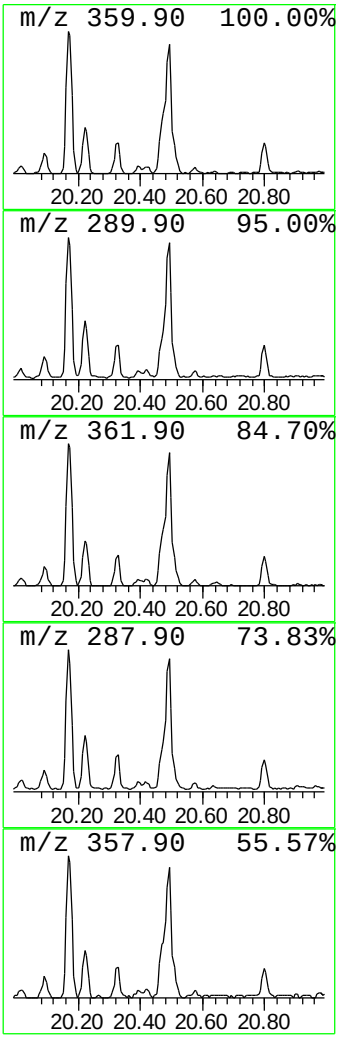
Peak Number 20 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	9.17 ng/ul	914333	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
2	1,1'-Biphenyl, 2,2',4,4',6,6'-he...	358	C12H4Cl6	033979-03-2	99
3	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
5	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	98





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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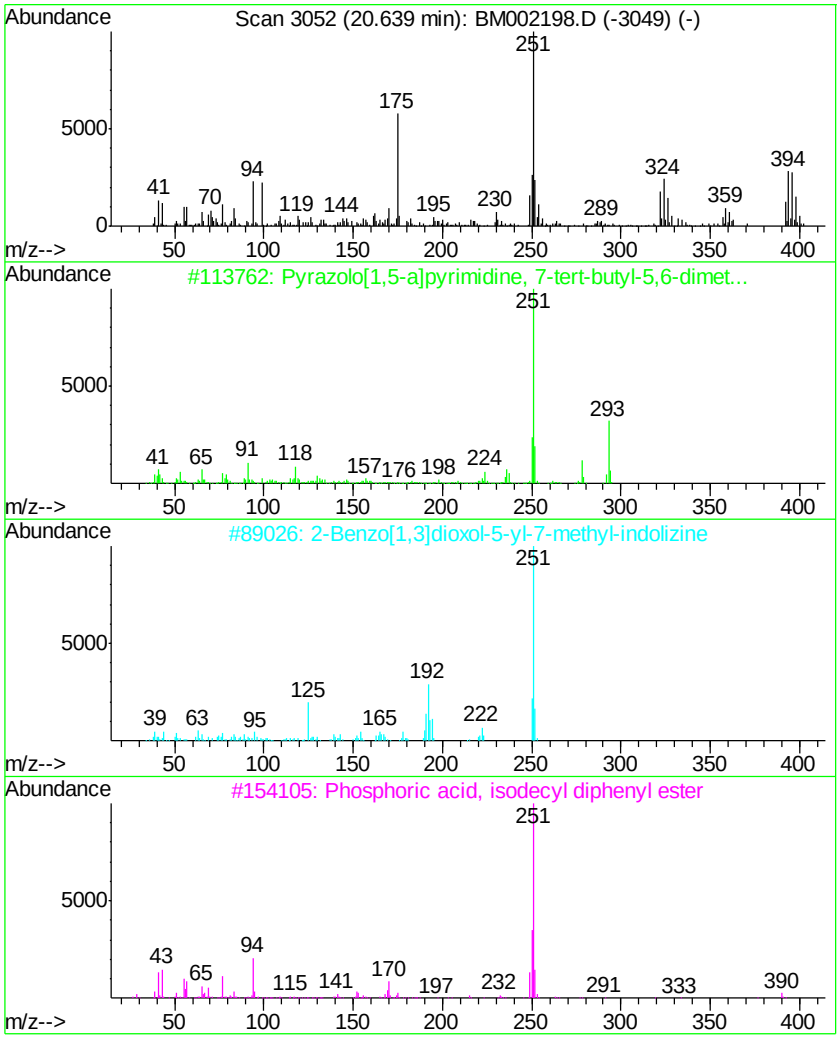
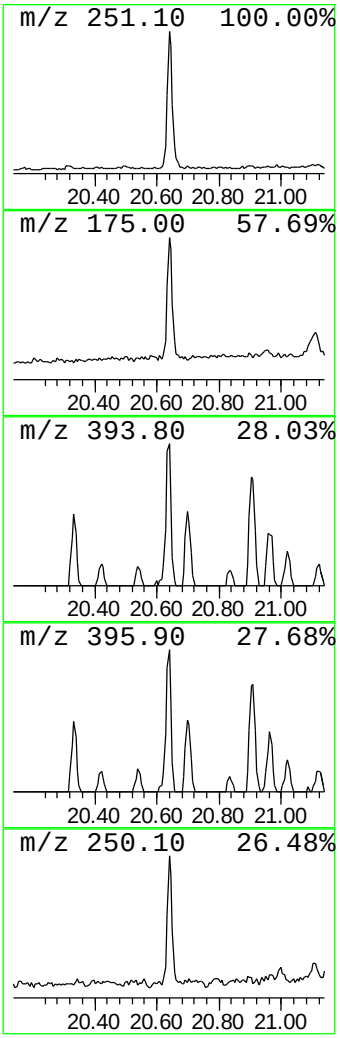
Peak Number 21 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	4.72 ng/ul	470789	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazolo[1,5-a]pyrimidine, 7-ter...	293	C19H23N3	1000276-58-3	25
2	2-Benzo[1,3]dioxol-5-yl-7-methyl...	251	C16H13NO2	1000274-75-9	25
3	Phosphoric acid, isodecyl diphen...	390	C22H31O4P	029761-21-5	17
4	5-Amino-2-(4-bromophenyl)pyrimidine	249	C10H8BrN3	084610-01-5	13
5	2-(2-Benzothiazolyl)benzofurane	251	C15H9NOS	069976-47-2	12





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Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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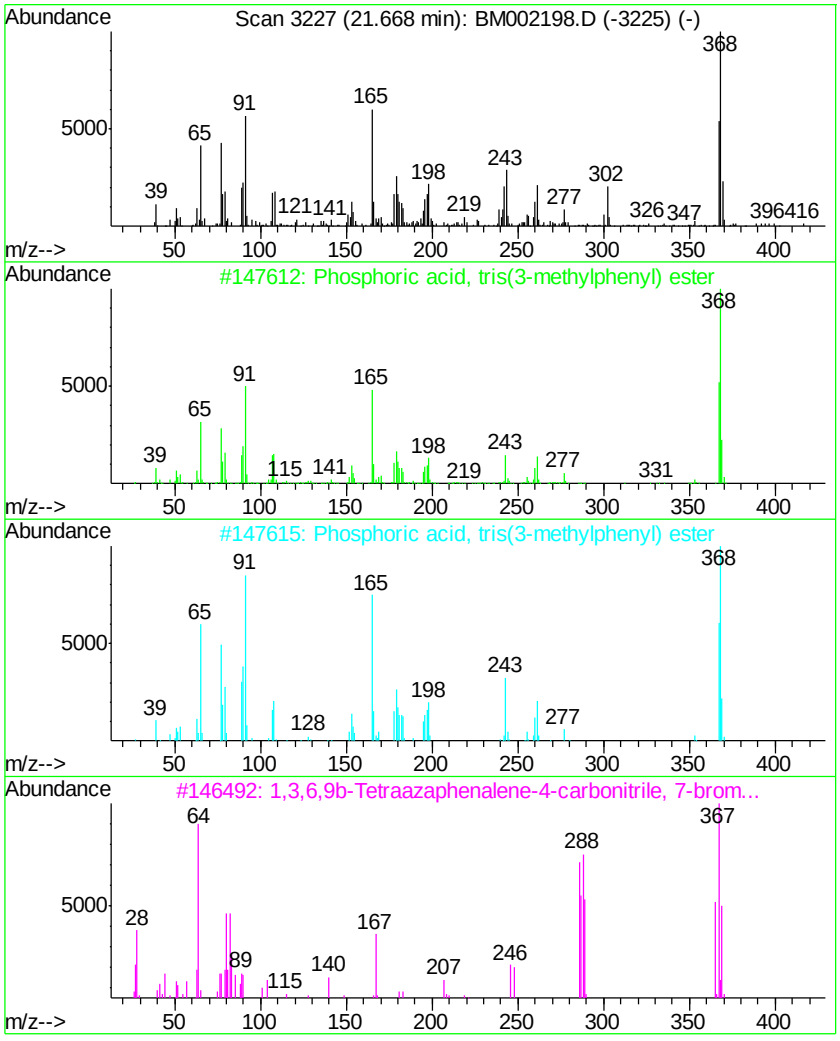
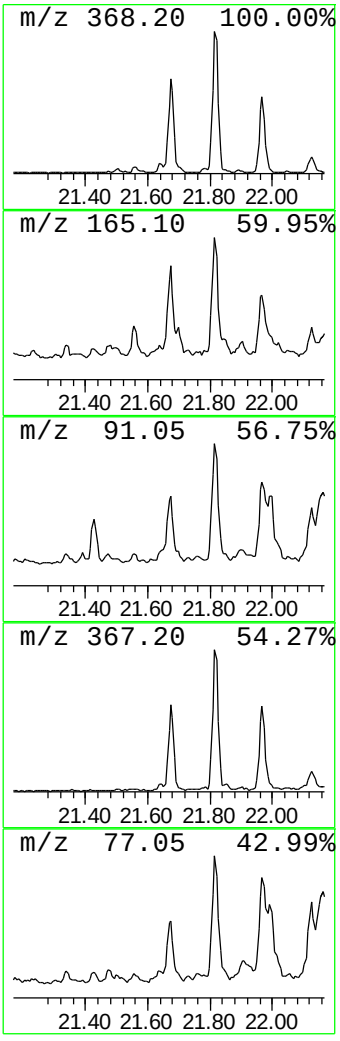
Peak Number 22 Phosphoric acid, tris(3-met... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	4.13 ng/ul	411979	Chrysene-d12	21.18

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	1,3,6,9b-Tetraazaphenalene-4-car...	365	C11H5Br2N5	051080-04-7	56
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	53
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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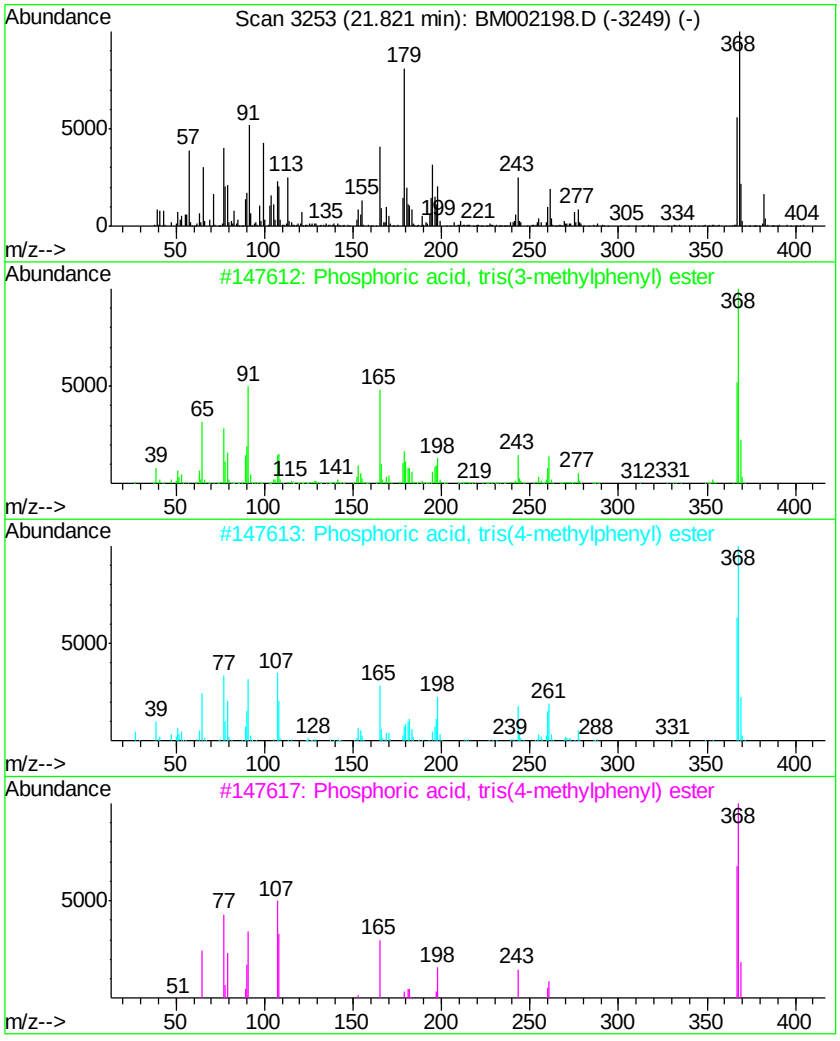
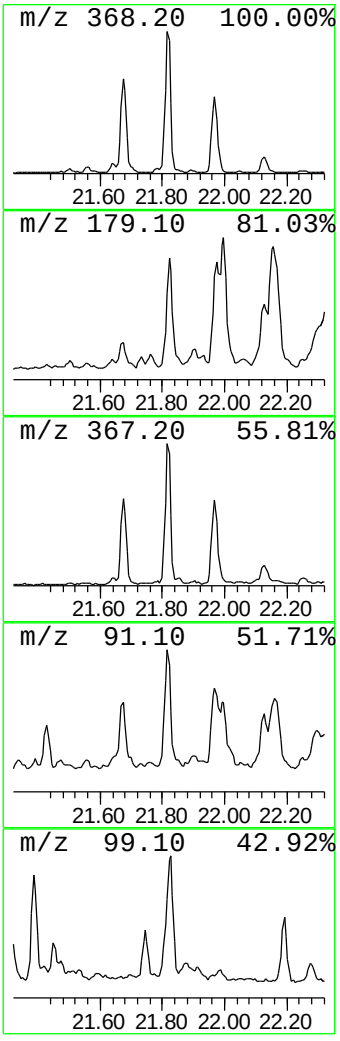
Peak Number 23 Phosphoric acid, tris(4-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	11.34 ng/ul	1130110	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	96
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	70
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	60
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	49
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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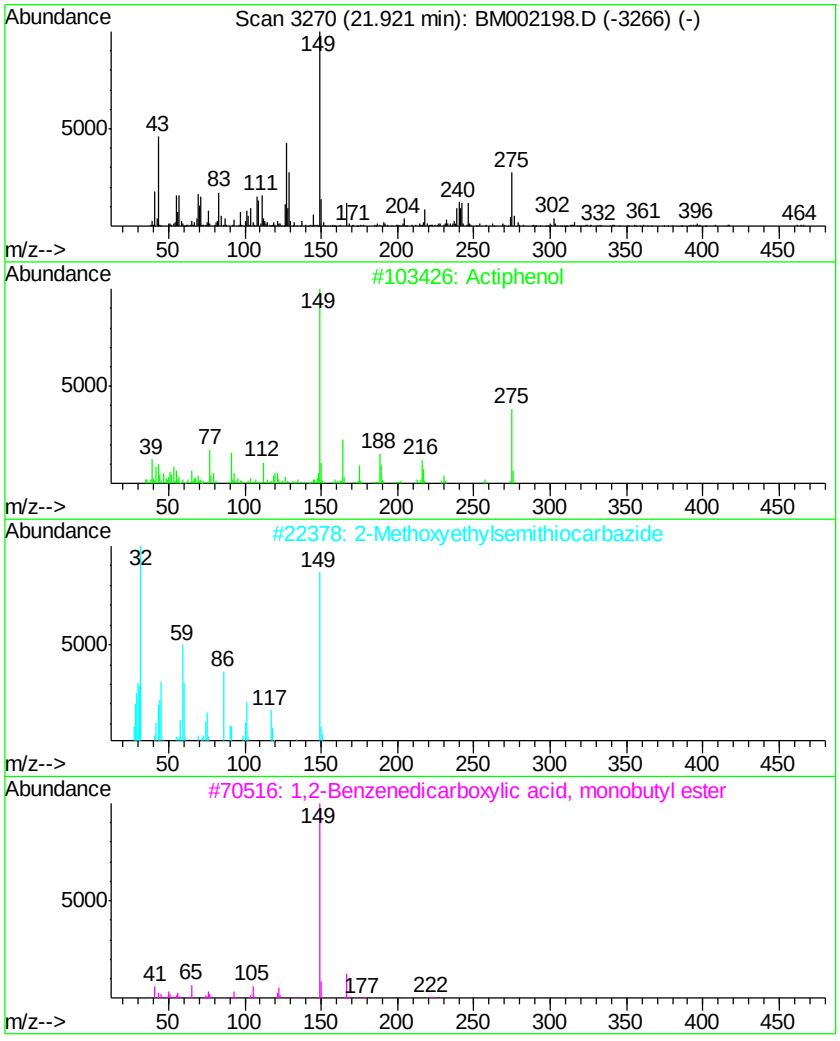
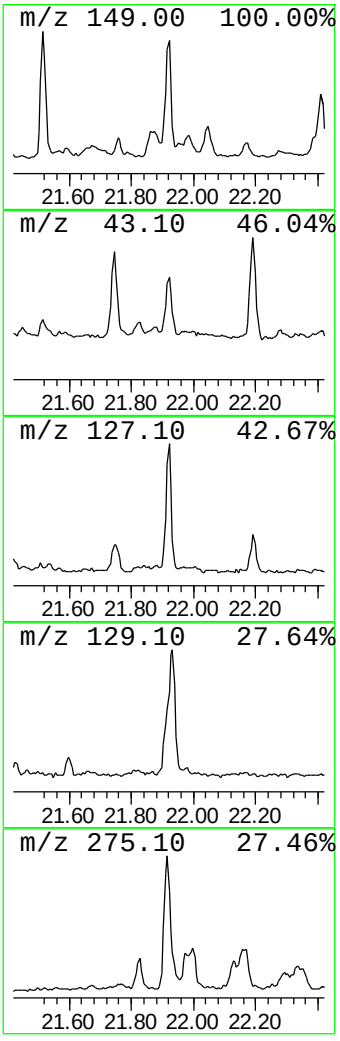
Peak Number 24 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	6.16 ng/ul	613851	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Actiphenol	275	C15H17NO4	000526-02-3	38
2	2-Methoxyethylsemithiocarbazide	149	C4H11N3OS	006926-54-1	30
3	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	30
4	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	30
5	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	27





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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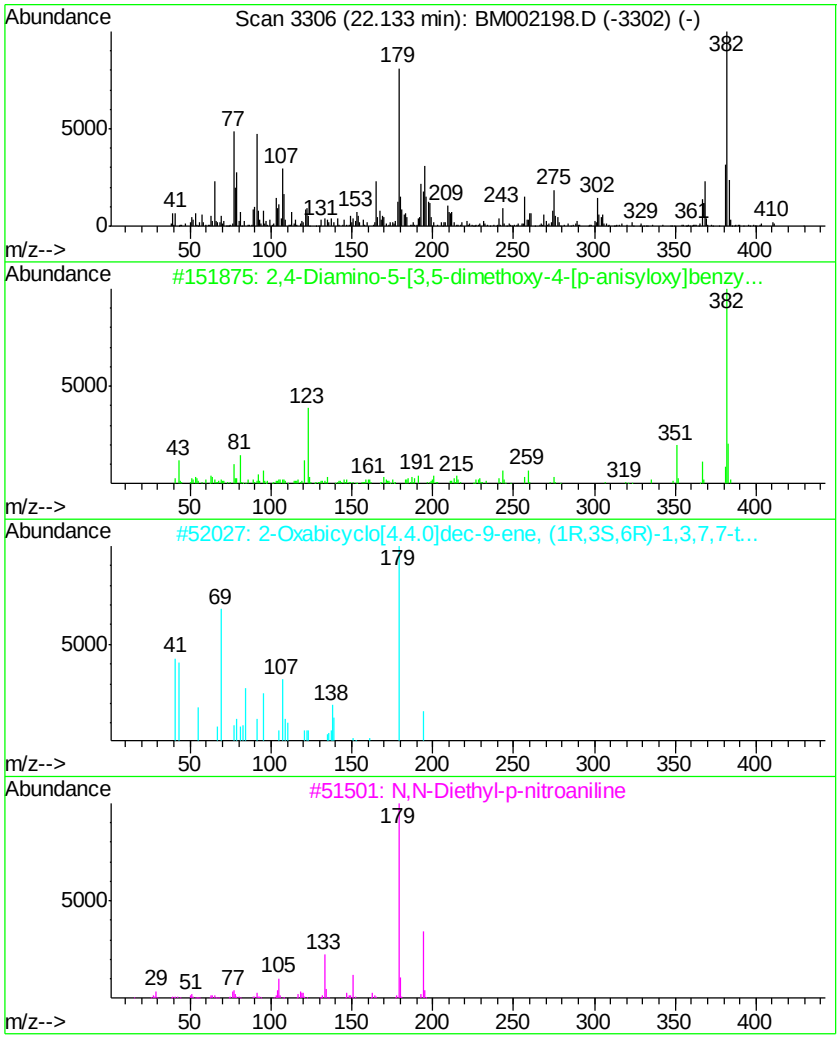
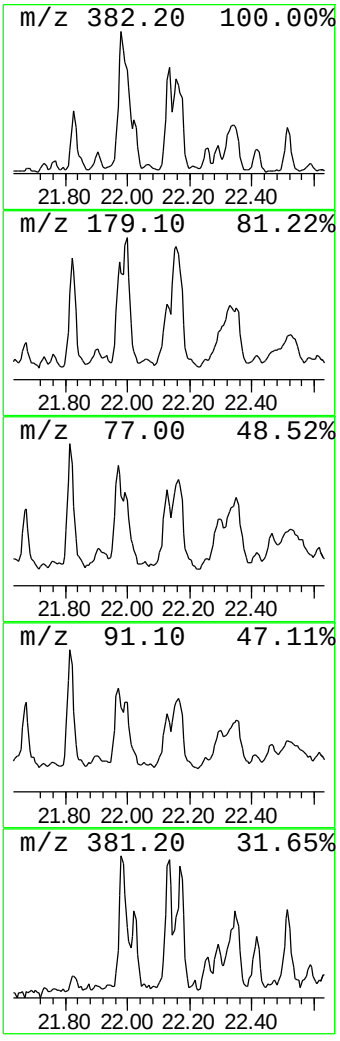
Peak Number 26 unknown-04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.13	4.26 ng/ul	424158	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Diamino-5-[3,5-dimethoxy-4-[...	382	C20H22N4O4	071525-10-5	22
2	2-Oxabicyclo[4.4.0]dec-9-ene, (1...	194	C13H22O	1000139-31-3	14
3	N,N-Diethyl-p-nitroaniline	194	C10H14N2O2	002216-15-1	10
4	3-Acetyl-2,5-dichlorothiophene	194	C6H4Cl2OS	036157-40-1	10
5	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	10





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

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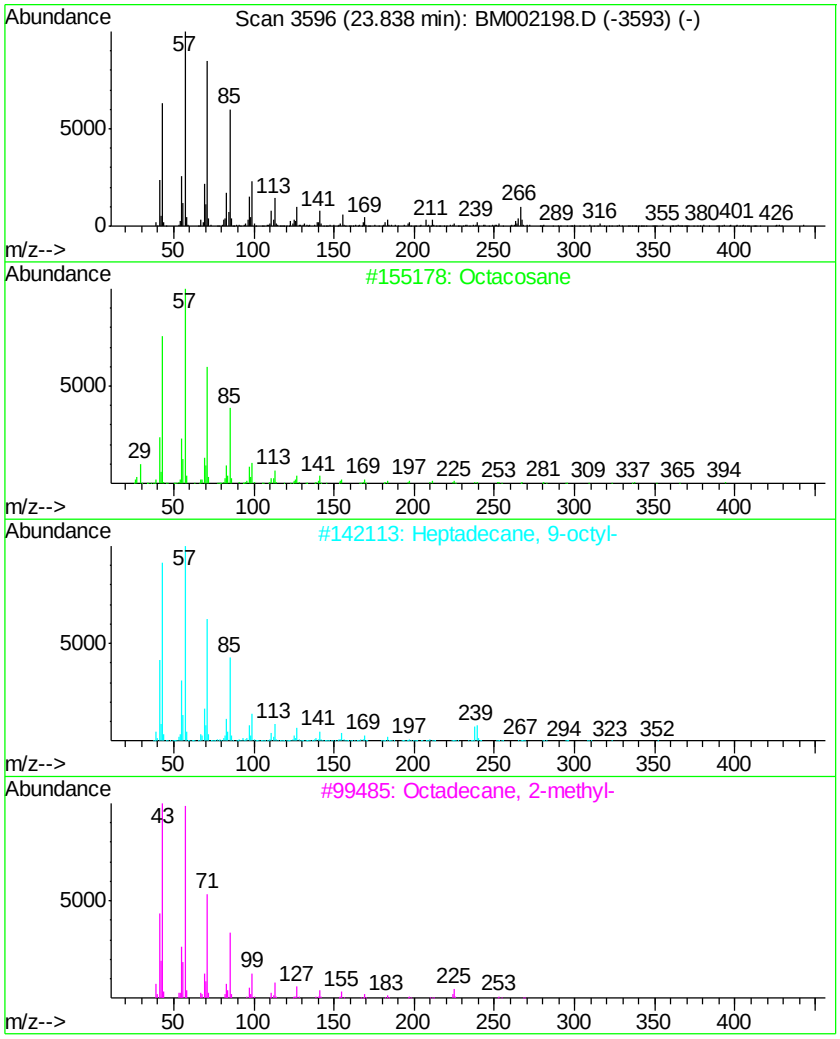
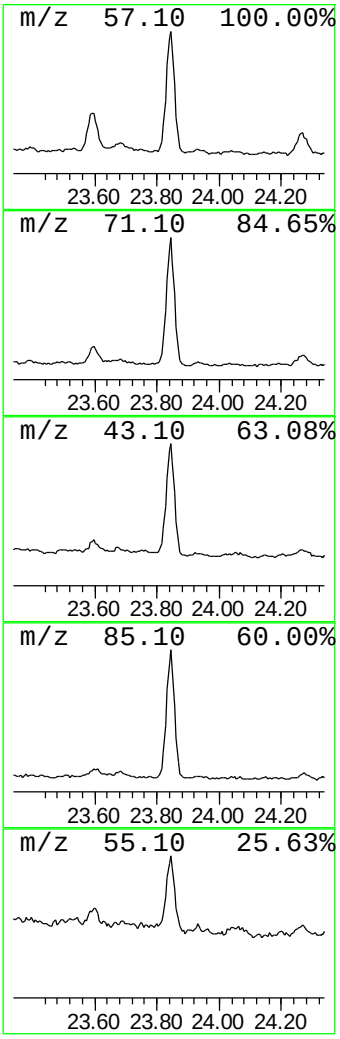
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.84	25.95 ng/ul	1002910	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	94
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
4	Triacontane	422	C30H62	000638-68-6	90
5	Heneicosane	296	C21H44	000629-94-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002198.D
Acq On : 03 Aug 2015 15:30
Operator : TP/UM
Sample : G3073-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01L2

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Methacrylamide	3.50	2.4	ng/ul	48814	1	7.53	400327	20.0
Tri(2-chloroethyl...	16.47	2.2	ng/ul	120440	4	16.96	1114250	20.0
2-Propanol, 1-chl...	16.72	3.3	ng/ul	185672	4	16.96	1114250	20.0
1,1'-Biphenyl, 2,...	17.56	5.8	ng/ul	325221	4	16.96	1114250	20.0
n-Hexadecanoic acid	17.86	7.4	ng/ul	412099	4	16.96	1114250	20.0
1,1'-Biphenyl, 2,...	18.03	9.8	ng/ul	544451	4	16.96	1114250	20.0
1,1'-Biphenyl, 2,...	18.32	6.0	ng/ul	335843	4	16.96	1114250	20.0
1,1'-Biphenyl, 2,...	18.89	14.9	ng/ul	828311	4	16.96	1114250	20.0
unknown-01	18.97	2.2	ng/ul	122502	4	16.96	1114250	20.0
10,18-Bisnorabiet...	19.09	2.8	ng/ul	279436	5	21.18	1993640	20.0
1,1'-Biphenyl, 2,...	19.17	9.3	ng/ul	932260	5	21.18	1993640	20.0
1,1'-Biphenyl, 2,...	19.52	2.4	ng/ul	235005	5	21.18	1993640	20.0
1,1'-Biphenyl, 2'...	19.63	6.5	ng/ul	643175	5	21.18	1993640	20.0
1,1'-Biphenyl, 2,...	19.89	6.3	ng/ul	626980	5	21.18	1993640	20.0
1,1'-Biphenyl, 2,...	19.94	4.0	ng/ul	401520	5	21.18	1993640	20.0
1,1'-Biphenyl, 2,...	20.17	5.9	ng/ul	589939	5	21.18	1993640	20.0
Ethanol, 2-butoxy...	20.41	14.6	ng/ul	1449950	5	21.18	1993640	20.0
1,1'-Biphenyl, 2,...	20.49	9.2	ng/ul	914333	5	21.18	1993640	20.0
unknown-02	20.64	4.7	ng/ul	470789	5	21.18	1993640	20.0
Phosphoric acid, ...	21.67	4.1	ng/ul	411979	5	21.18	1993640	20.0
Phosphoric acid, ...	21.82	11.3	ng/ul	1130110	5	21.18	1993640	20.0
unknown-03	21.92	6.2	ng/ul	613851	5	21.18	1993640	20.0
unknown-04	22.13	4.3	ng/ul	424158	5	21.18	1993640	20.0
(DEL) Alkane: Str...	23.84	25.9	ng/ul	1002910	6	23.37	773030	20.0