LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022398.D
Acq On : 29 Aug 2019 00:55
Operator : HP/JU
Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.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	3.016	3	5	10	rVB	23249	21222	1.23%	0.121%
2	4.193	201	205	209	rVB2	3414	4071	0.24%	0.023%
3	7.534	768	773	787	rBB	82463	145717	8.46%	0.832%
4	10.310	1239	1245	1258	rBV	99808	200512	11.65%	1.145%
5	11.851	1503	1507	1512	rBB2	1627	2960	0.17%	0.017%
6	14.198	1900	1906	1920	rBV	184209	303692	17.64%	1.734%
7	15.939	2197	2202	2207	rVB	21793	31228	1.81%	0.178%
8	16.527	2293	2302	2308	rBV2	4530	8229	0.48%	0.047%
9	16.639	2318	2321	2325	rVB	2132	2455	0.14%	0.014%
10	16.751	2335	2340	2344	rBV3	2747	4840	0.28%	0.028%
11	16.962	2370	2376	2390	rBV2	240799	381727	22.17%	2.179%
12	17.309	2432	2435	2440	rVB2	1294	2151	0.12%	0.012%
13	17.568	2471	2479	2487	rBV4	30851	51663	3.00%	0.295%
14	17.668	2492	2496	2499	rVV2	5882	6957	0.40%	0.040%
15	17.756	2509	2511	2512	rVV	3466	2539	0.15%	0.014%
16	17.780	2512	2515	2520	rVB4	7204	11468	0.67%	0.065%
17	17.886	2532	2533	2537	rVB4	1926	2065	0.12%	0.012%
18	17.945	2542	2543	2546	rBV3	1715	2064	0.12%	0.012%
19	18.021	2551	2556	2561	rBV	529832	699002	40.60%	3.991%
20	18.080	2563	2566	2571	rVV	114672	151367	8.79%	0.864%
21	18.127	2571	2574	2577	rVB4	17164	19959	1.16%	0.114%
22	18.239	2588	2593	2597	rBV6	8665	16146	0.94%	0.092%
23	18.309	2600	2605	2610	rVV	216138	270024	15.68%	1.542%
24	18.356	2610	2613	2617	rVB3	11827	14119	0.82%	0.081%
25	18.451	2625	2629	2632	rBV5	13497	19759	1.15%	0.113%
26	18.492	2632	2636	2641	rVV	66580	84057	4.88%	0.480%
27	18.551	2644	2646	2649	rVV4	6609	7026	0.41%	0.040%
28	18.586	2650	2652	2657	rVV4	8756	9838	0.57%	0.056%
29	18.645	2661	2662	2663	rBV	2542	1761	0.10%	0.010%
30	18.680	2666	2668	2670	rVB3	3322	2743	0.16%	0.016%
31	18.739	2676	2678	2681	rVB4	5735	4598	0.27%	0.026%
32	18.803	2685	2689	2694	rVV	95357	123995	7.20%	0.708%
33	18.874	2694	2701	2710	rVV2	730894	1218483	70.77%	6.957%
34	18.962	2711	2716	2720	rVB2	113486	134607	7.82%	0.769%

LSC Area Percent Report

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Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Title : SVOA CALIBRATION

35	19.086	2733	2737	2745	rBV2	149461	248264	14.42%	1.417%
36	19.162	2745	2750	2756	rVB	1445326	1721757	100.00%	9.830%
37	19.227	2756	2761	2766	rBV	478877	545684	31.69%	3.116%
38	19.298	2768	2773	2777	rBV6	18194	25848	1.50%	0.148%
39	19.350	2779	2782	2788	rVB2	47520	54960	3.19%	0.314%
40	19.427	2788	2795	2801	rBV2	336456	479060	27.82%	2.735%
41	19.509	2801	2809	2813	rVV	518800	678809	39.43%	3.876%
42	19.556	2813	2817	2820	rVV	197324	238196	13.83%	1.360%
43	19.615	2820	2827	2832	rVB	1421385	1660604	96.45%	9.481%
44	19.733	2843	2847	2849	rBV	79571	102010	5.92%	0.582%
45	19.762	2849	2852	2861	rVV4	145088	309756	17.99%	1.769%
46	19.827	2861	2863	2866	rVV3	53303	56571	3.29%	0.323%
47	19.874	2866	2871	2876	rVV	525777	642944	37.34%	3.671%
48	19.933	2876	2881	2887	rVB	1228668	1381680	80.25%	7.889%
49	20.003	2889	2893	2898	rVV5	45549	74079	4.30%	0.423%
50	20.074	2898	2905	2910	rVB4	117770	230258	13.37%	1.315%
51	20.156	2914	2919	2923	rBV	574325	683822	39.72%	3.904%
52	20.209	2924	2928	2931	rBV	286936	355231	20.63%	2.028%
53	20.245	2931	2934	2940	rVB	456767	519000	30.14%	2.963%
54	20.309	2941	2945	2949	rVB2	116111	132843	7.72%	0.758%
55	20.380	2953	2957	2959	rBV3	63947	87801	5.10%	0.501%
56	20.403	2959	2961	2965	rVB3	59859	61207	3.55%	0.349%
57	20.450	2965	2969	2971	rBV	424779	577260	33.53%	3.296%
58	20.474	2971	2973	2981	rVB	821743	946215	54.96%	5.402%
59	20.556	2984	2987	2991	rVB5	49958	56830	3.30%	0.324%
60	20.615	2994	2997	3000	rBV4	29737	33059	1.92%	0.189%
61	20.780	3021	3025	3030	rBV	231165	289934	16.84%	1.655%
62	20.886	3041	3043	3046	rBV3	30942	34356	2.00%	0.196%
63	21.033	3065	3068	3074	rBV2	106789	119938	6.97%	0.685%
64	21.174	3087	3092	3101	rVB	453794	618857	35.94%	3.533%
65	21.403	3129	3131	3137	rVB4	30608	37010	2.15%	0.211%
66	21.486	3142	3145	3149	rVV3	61923	73491	4.27%	0.420%
67	23.362	3458	3464	3474	rVB	236438	474430	27.55%	2.709%

Sum of corrected areas: 17514808

LSC Report - Integrated Chromatogram

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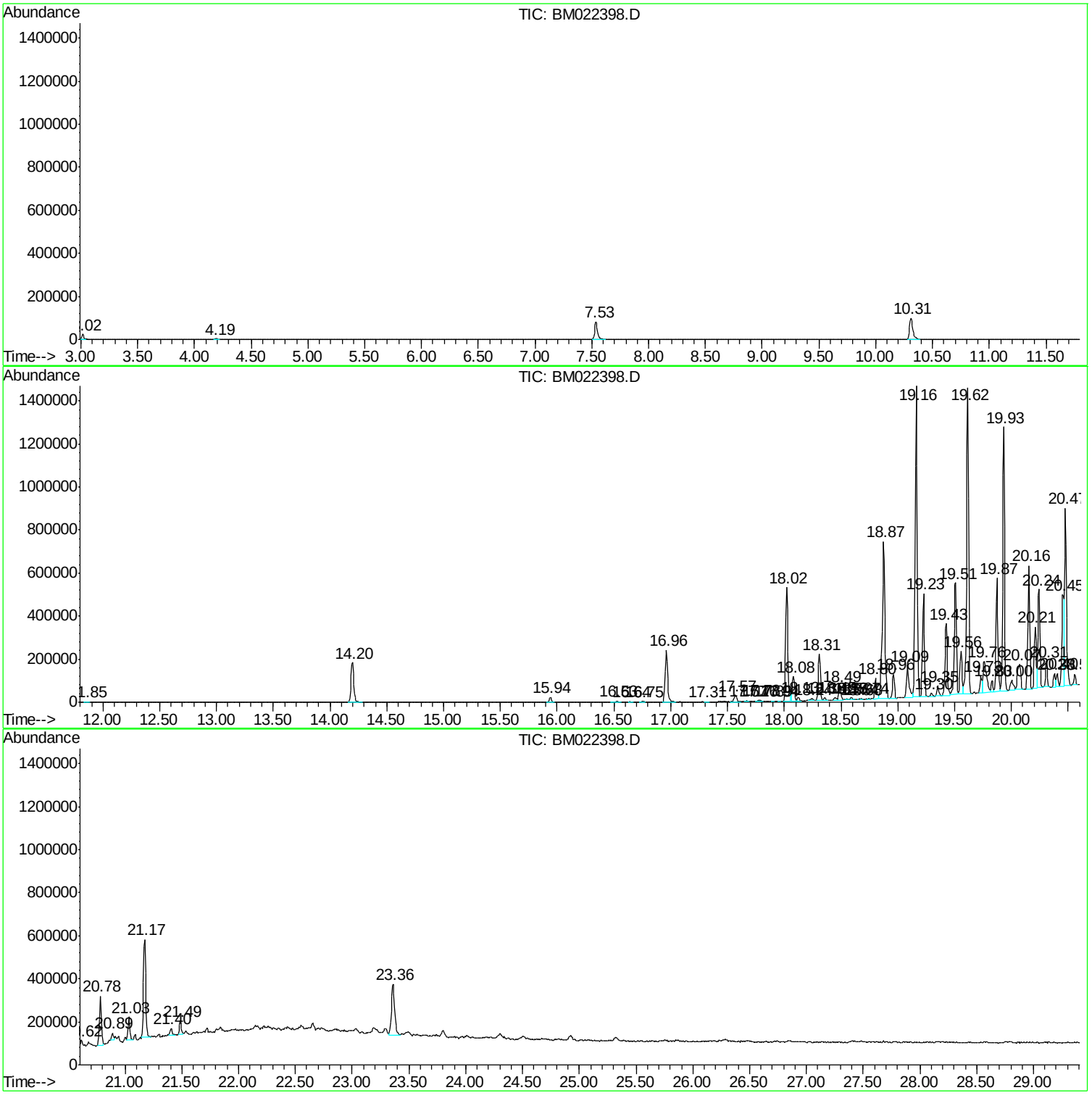
Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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



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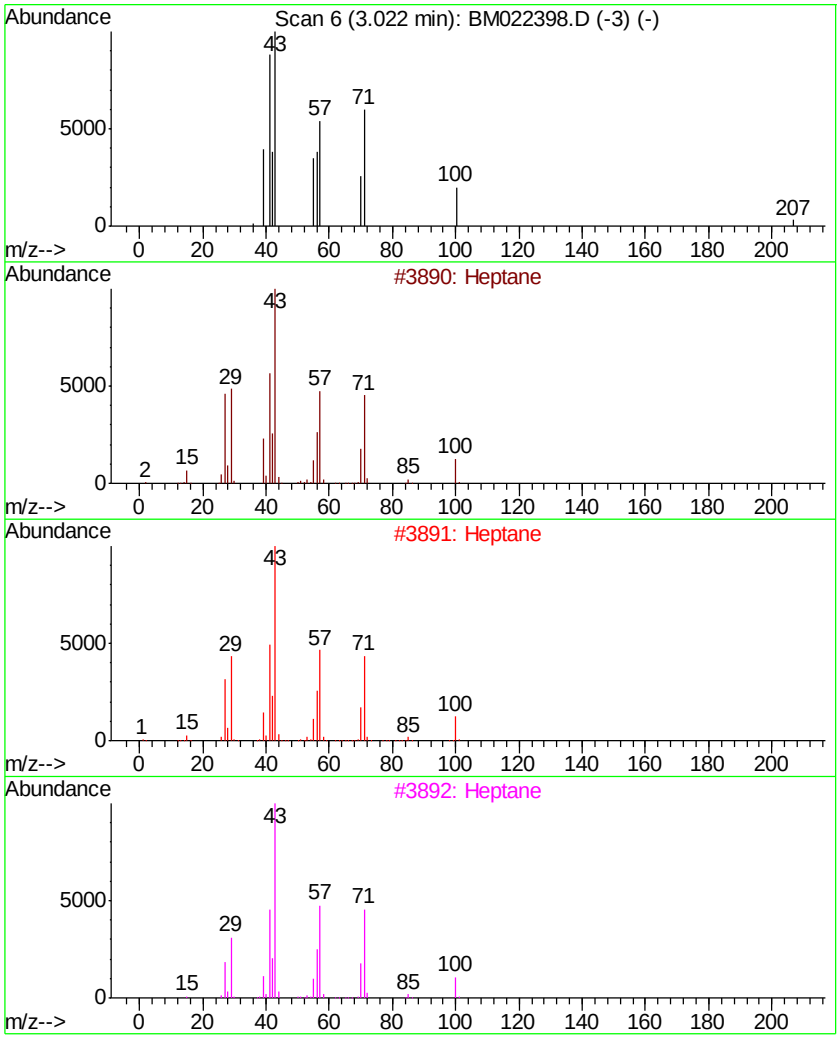
Quant Title : SVOA CALIBRATION

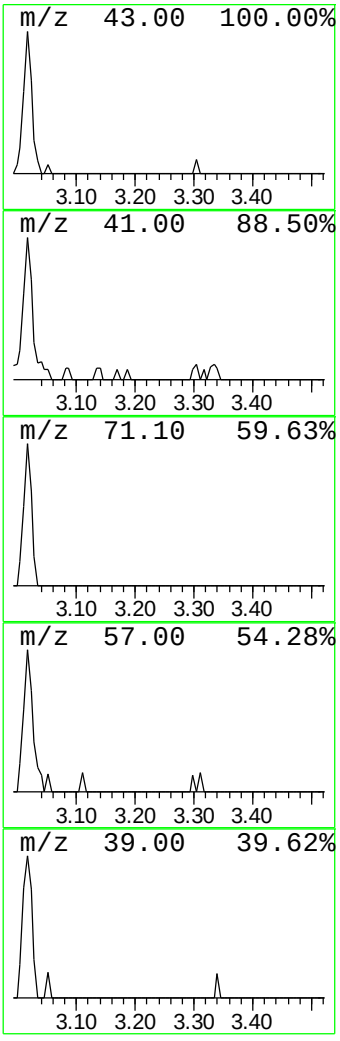
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	2.91 ng/ul	21222	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	80
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	72
4	Heptane	100	C7H16	000142-82-5	58
5	Pyrrolidine, 1-nitroso-	100	C4H8N2O	000930-55-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022398.D
Acq On : 29 Aug 2019 00:55
Operator : HP/JU
Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

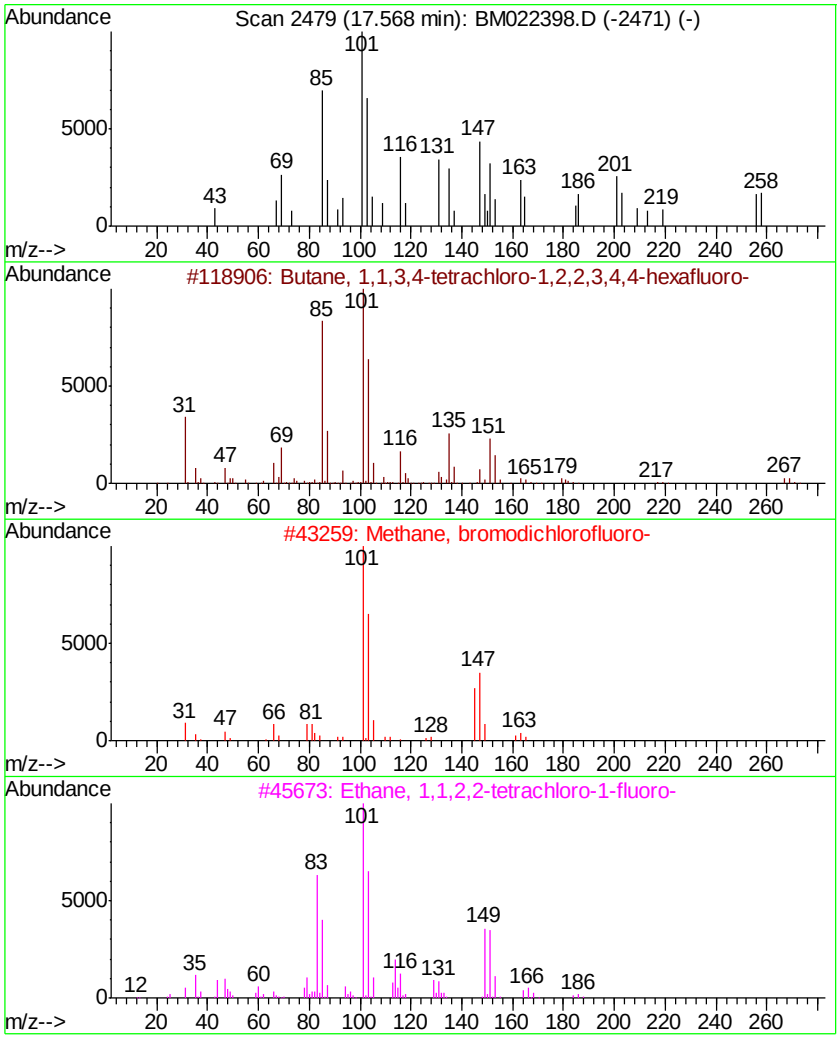
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

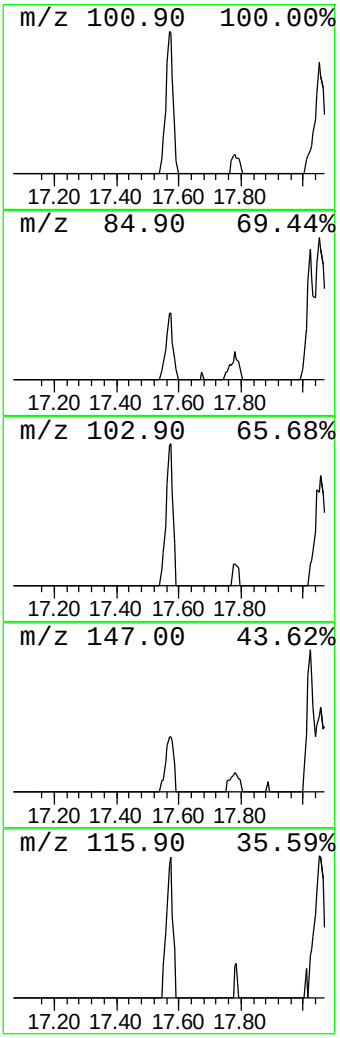
****

Peak Number 2 Butane, 1,1,3,4-tetrachloro... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	2.71 ng/ul	51663	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1,3,4-tetrachloro-1,2,...	302	C4Cl4F6	000423-38-1	50
2	Methane, bromodichlorofluoro-	180	CBrCl2F	000353-58-2	37
3	Ethane, 1,1,2,2-tetrachloro-1-fl...	184	C2HCl4F	000354-14-3	25
4	Butane, 1,1,2,3,4,4-hexachloro-1...	334	C4Cl6F4	000375-43-9	23
5	Butane, 1,2,3,4-tetrachloro-1,1,...	302	C4Cl4F6	000375-45-1	10





Library Search Compound Report

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

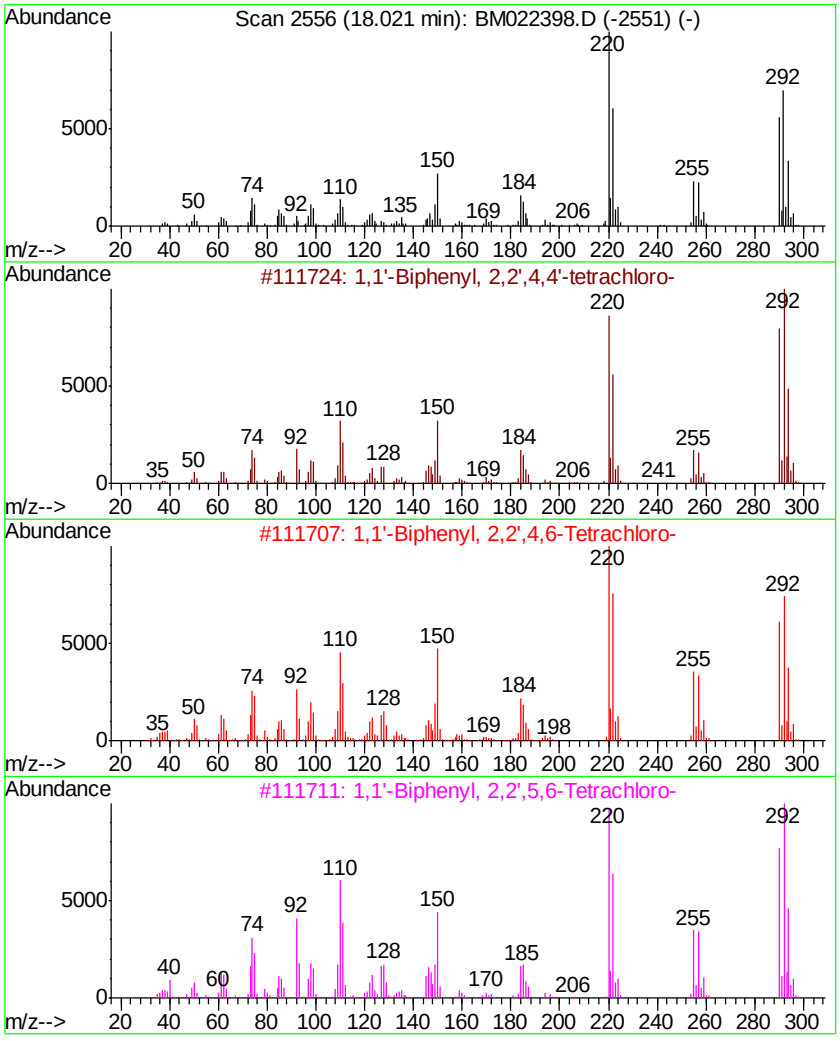
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

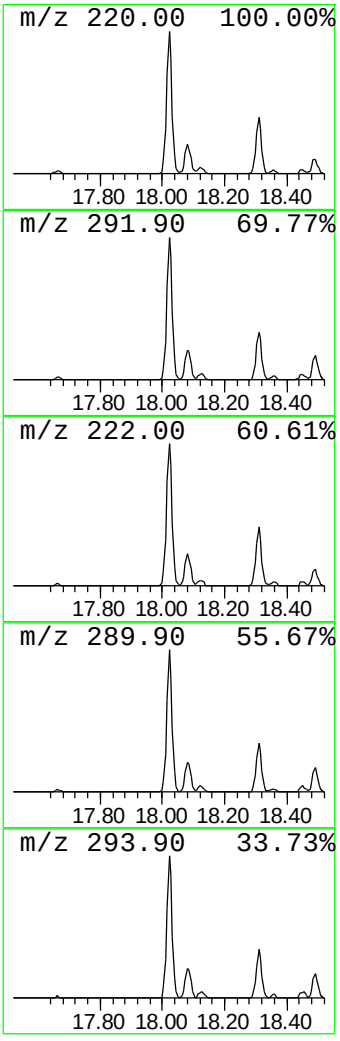
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	36.62 ng/ul	699002	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, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Quant Title : SVOA CALIBRATION

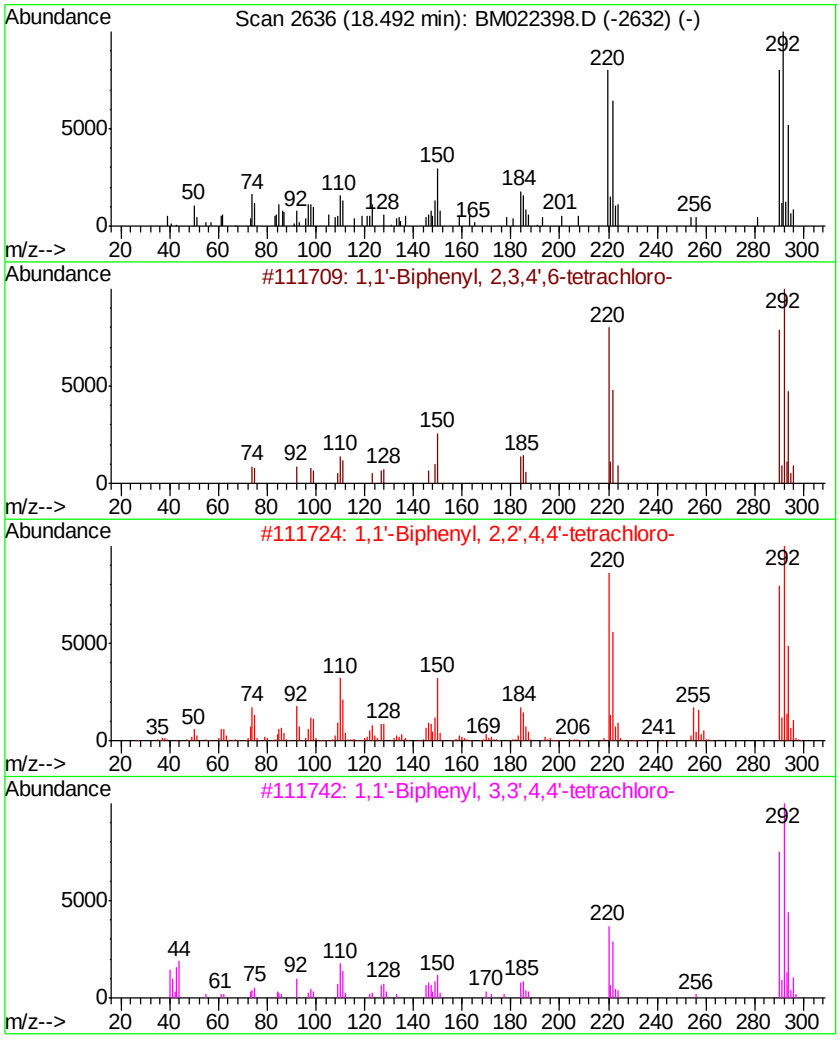
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

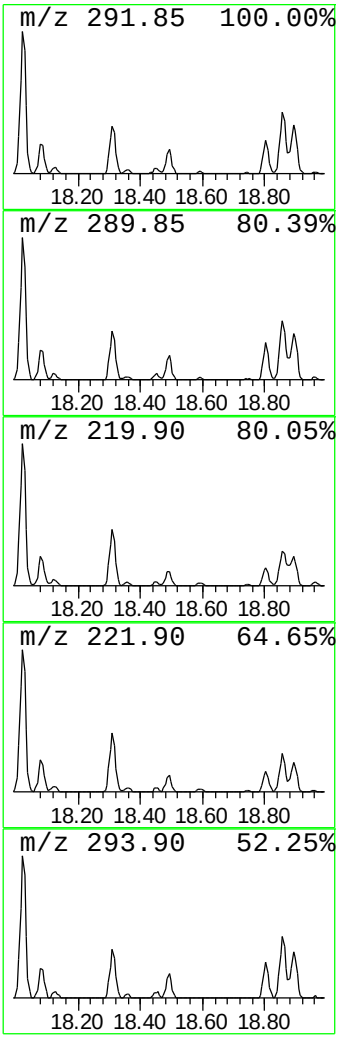
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.40 ng/ul	84057	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





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Quant Title : SVOA CALIBRATION

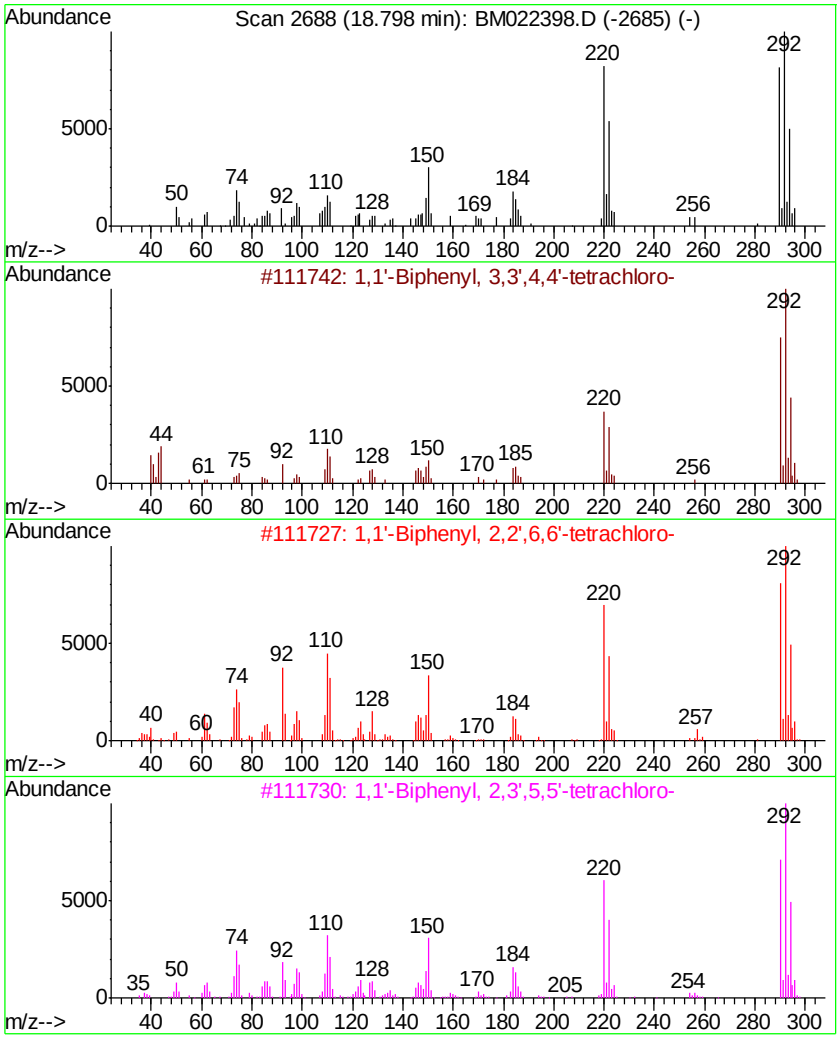
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

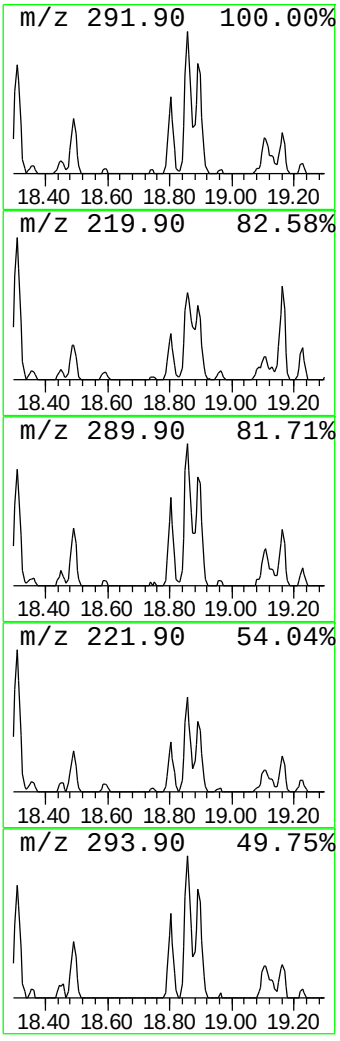
****

Peak Number 7 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	6.50 ng/ul	123995	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,3,4,5-tetrachloro-	290	C12H6Cl4	033284-53-6	96
5	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	96





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

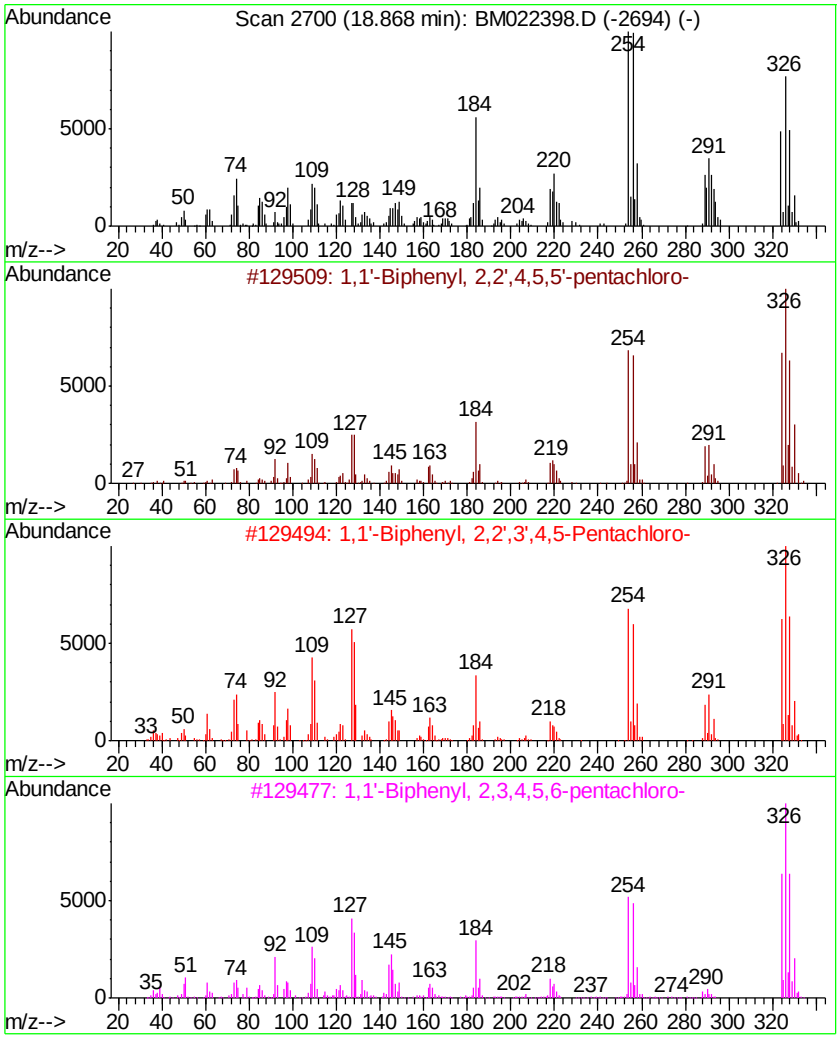
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

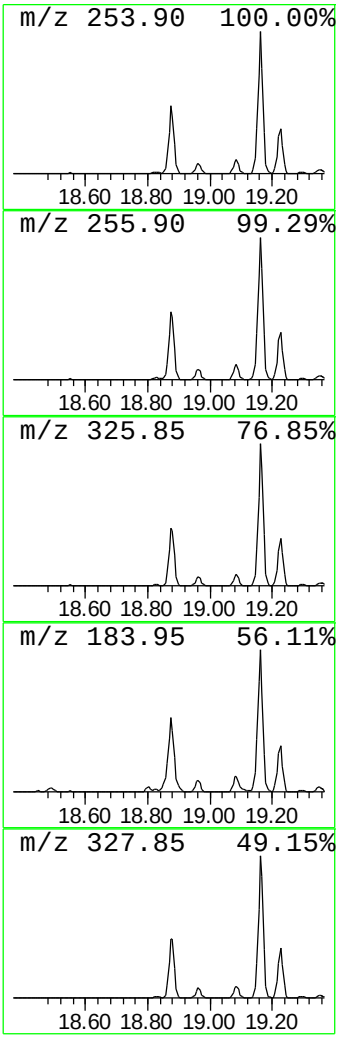
****

Peak Number 8 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	63.84 ng/ul	1218480	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	98
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95
3	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95
4	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
5	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	94





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Instrument : BNA_M
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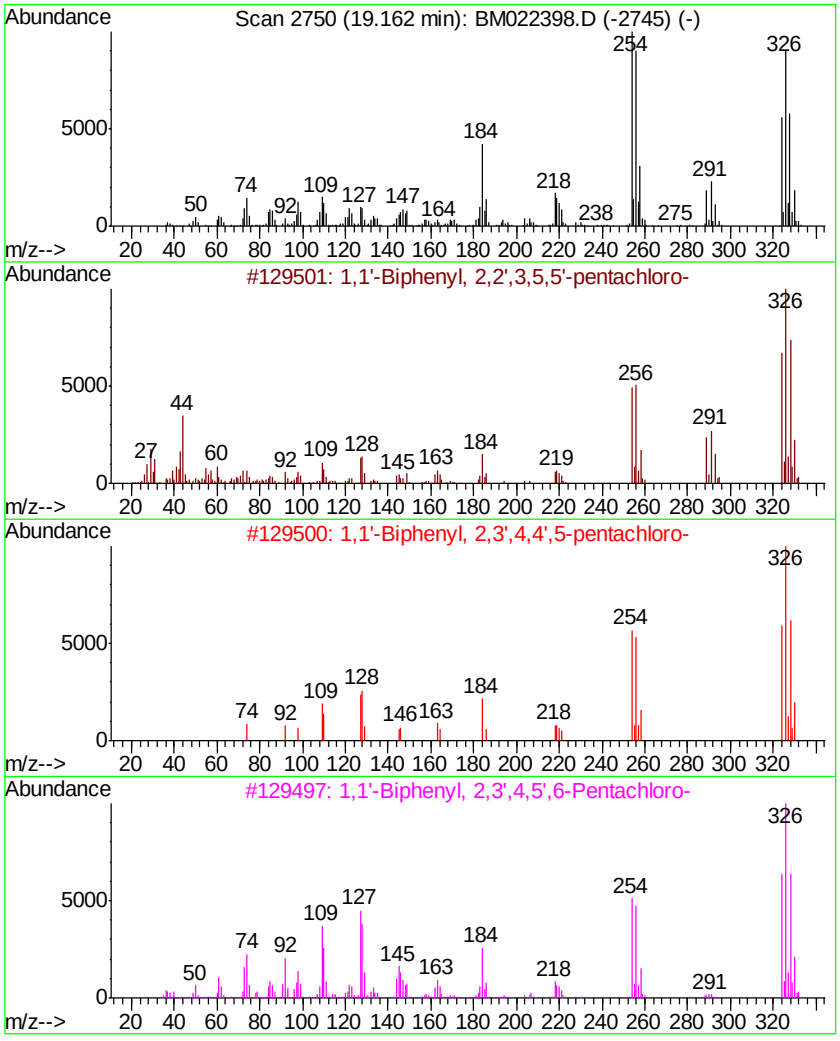
Quant Title : SVOA CALIBRATION

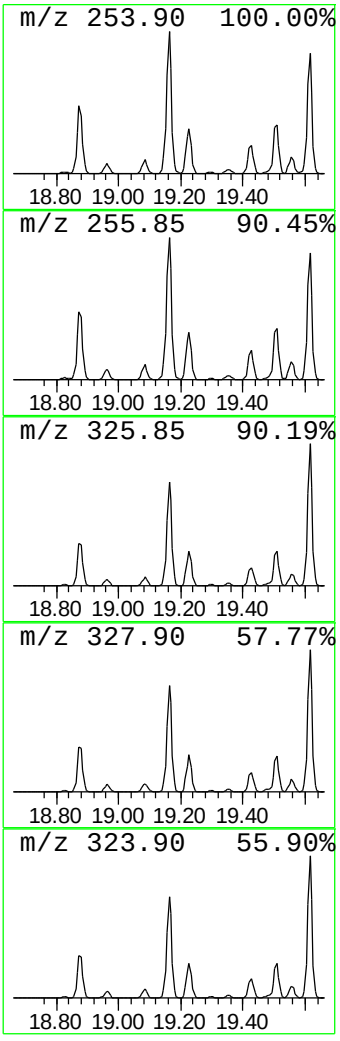
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	55.64 ng/ul	1721760	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	97
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95
5	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95





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Sample : K4556-09
Misc :
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Instrument : BNA_M
ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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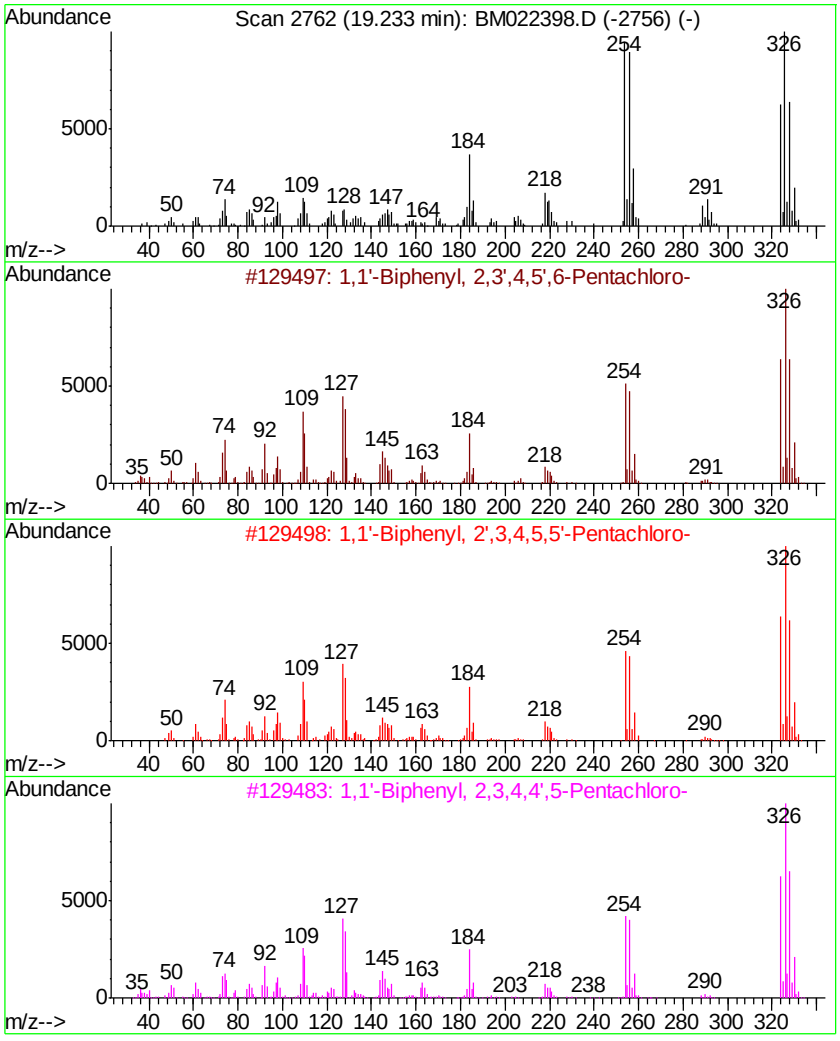
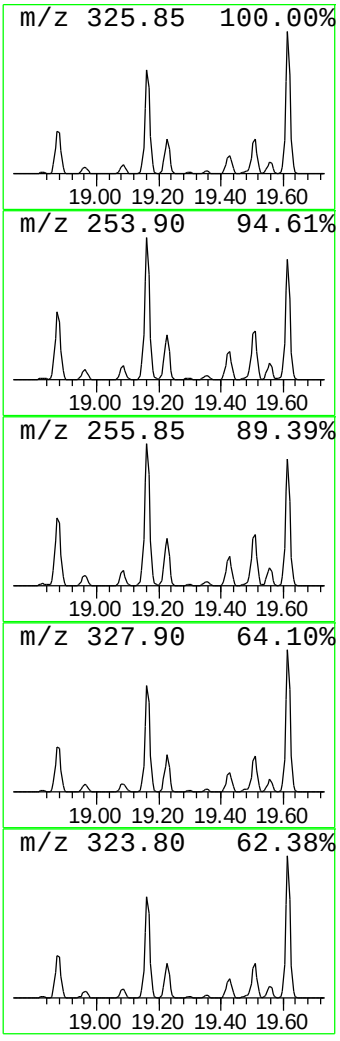
Peak Number 12 1,1'-Biphenyl, 2,3',4,5',6-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	17.64 ng/ul	545684	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
2	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	96
3	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	95
4	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	95
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95





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ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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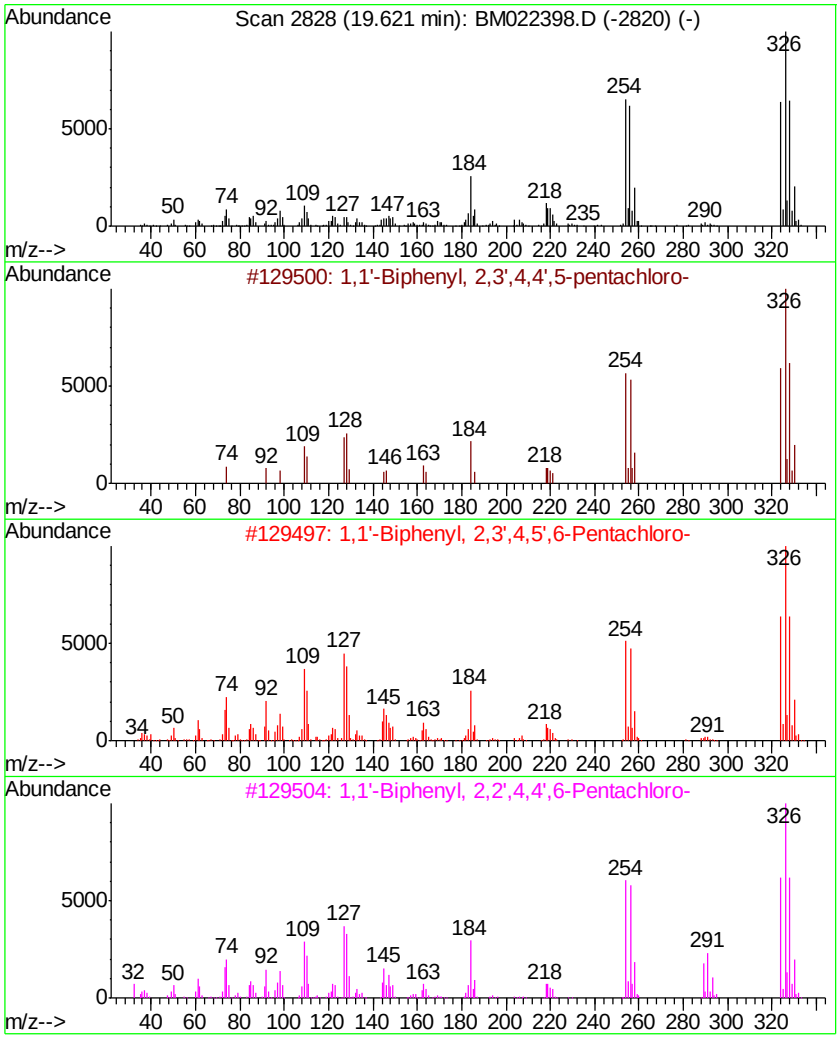
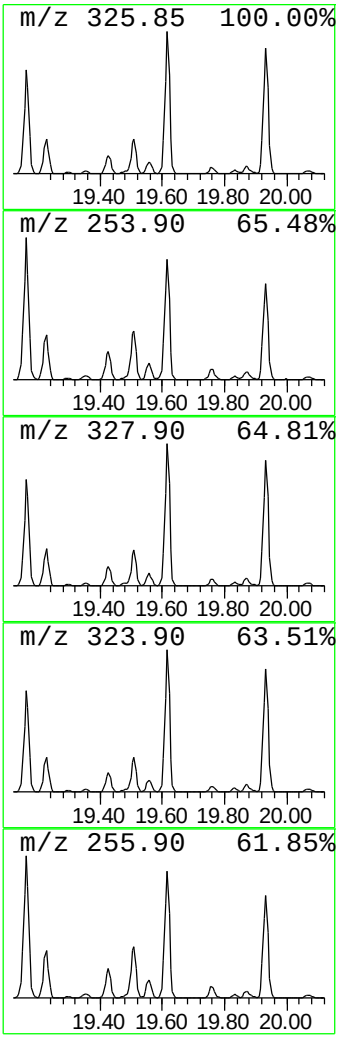
Peak Number 16 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	53.67 ng/ul	1660600	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
2	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
3	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	95
4	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95





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ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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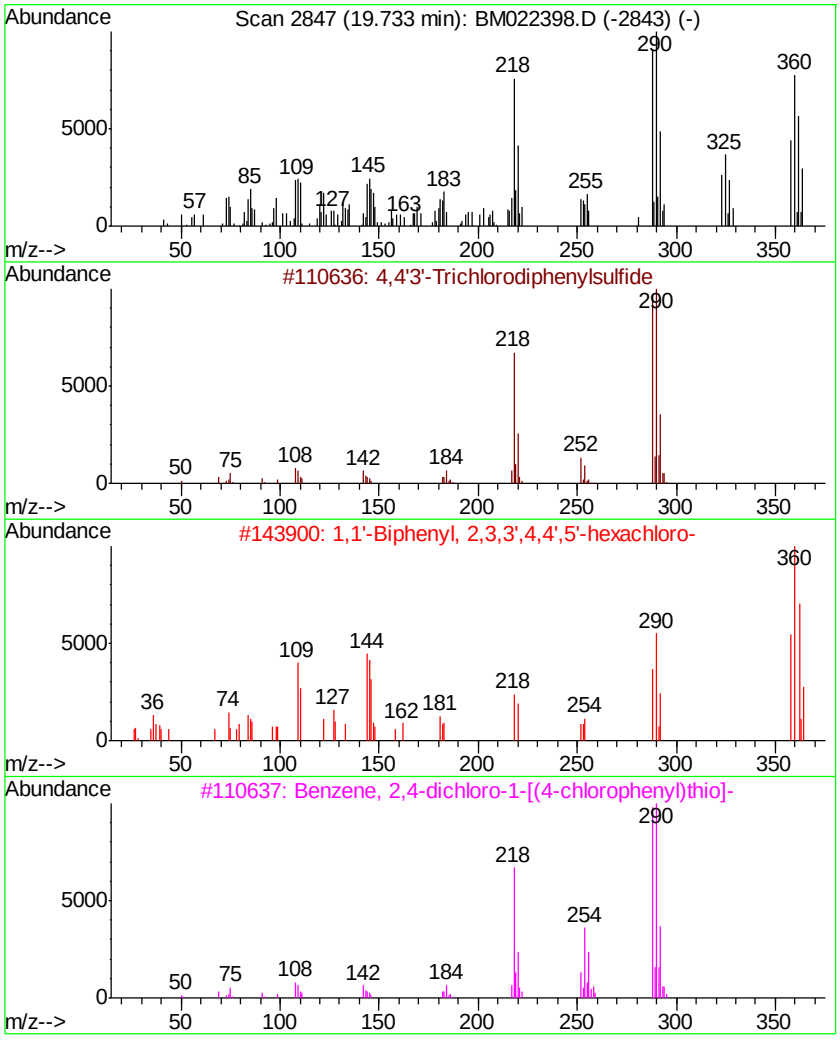
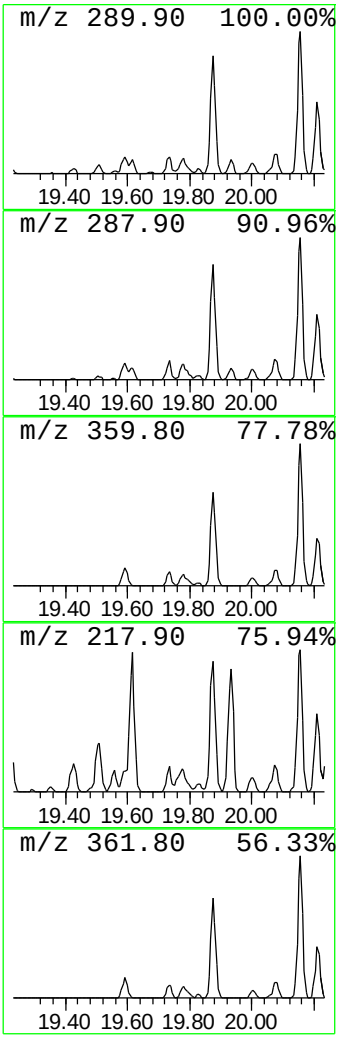
Peak Number 17 4,4'3'-Trichlorodiphenylsul... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	3.30 ng/ul	102010	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	95
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	83
3	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	64
4	Phenol, 5-chloro-2-(2,4-dichloro...	330	C14H9Cl3O3	004623-99-8	27
5	3-Bromo-5,7-dichloro-1-methylnap...	288	C11H7BrCl2	055058-84-9	25





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Sample : K4556-09
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Instrument : BNA_M
ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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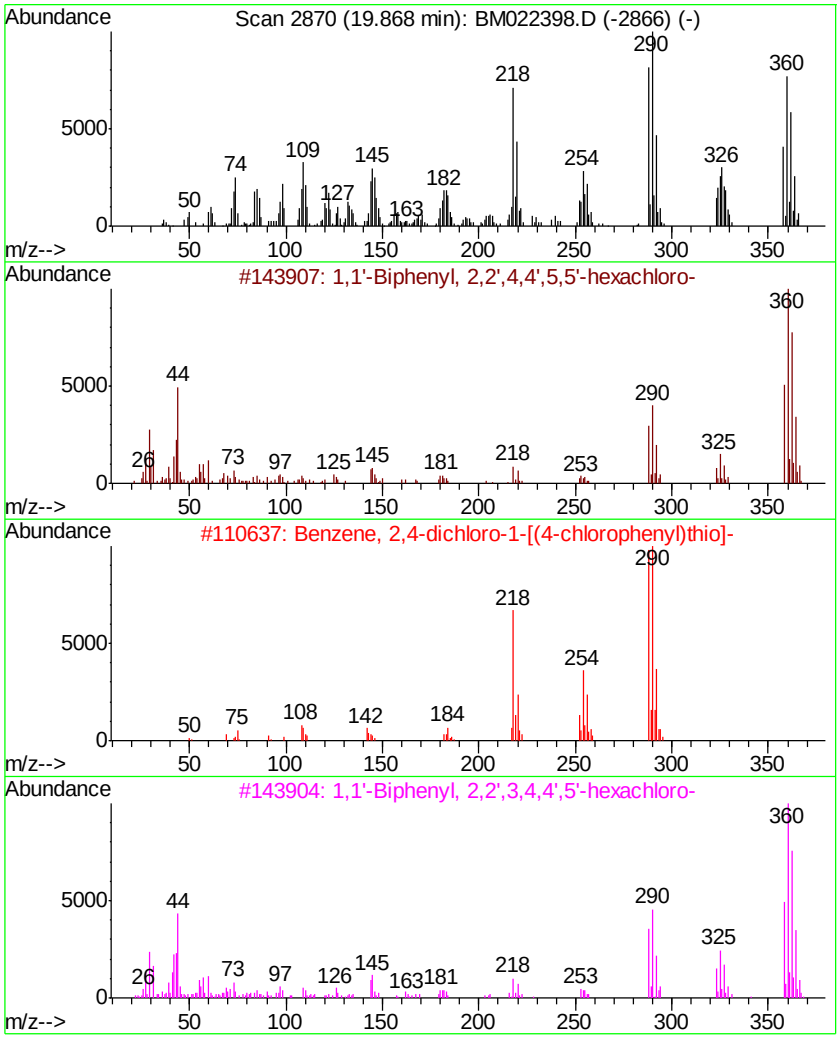
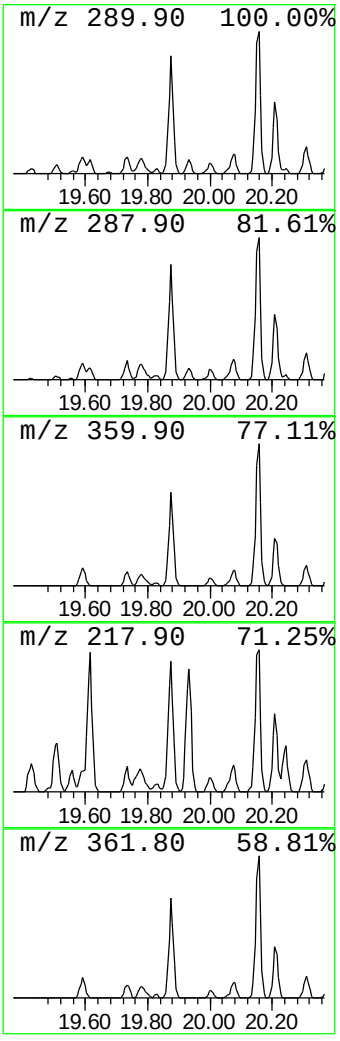
Peak Number 19 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	20.78 ng/ul	642944	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
2	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	95
3	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	95
4	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	95
5	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	91





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Quant Title : SVOA CALIBRATION

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

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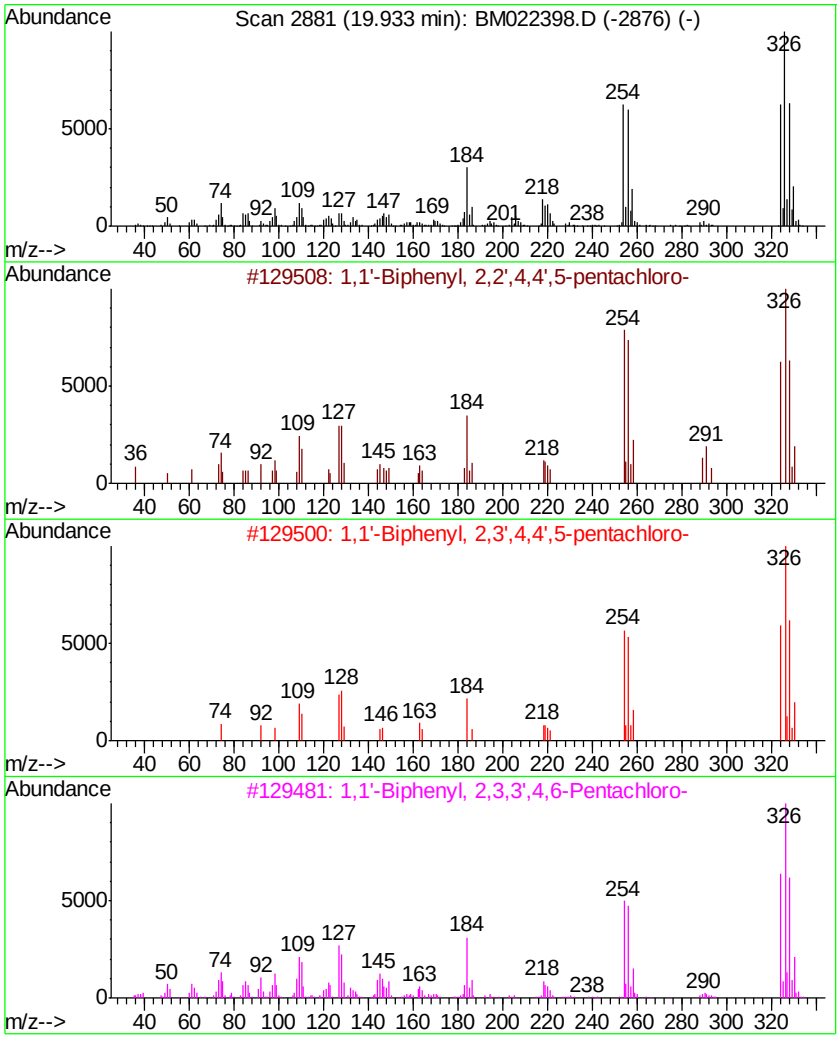
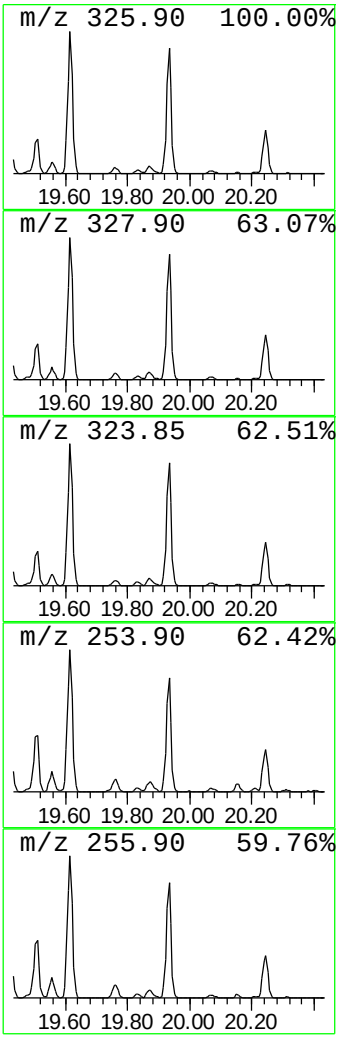
Peak Number 20 1,1'-Biphenyl, 2,2',4,4',5-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	44.65 ng/ul	1381680	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
3	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	96
4	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	96
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	96





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Instrument : BNA_M
ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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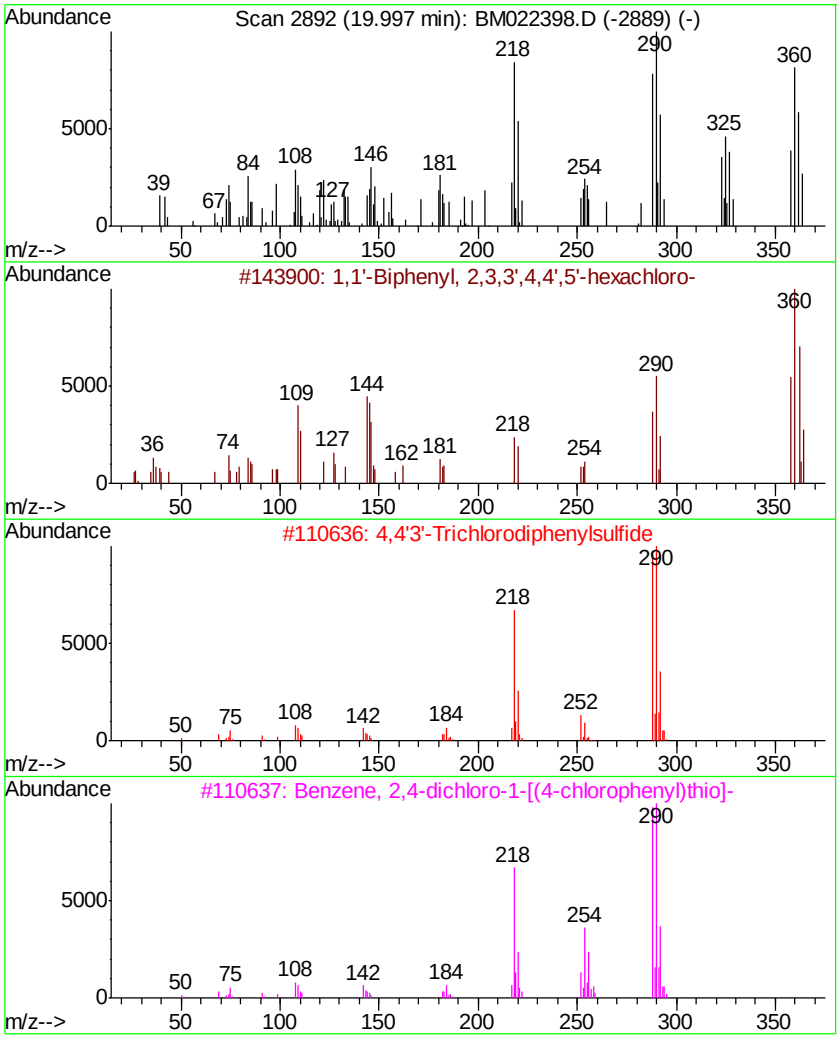
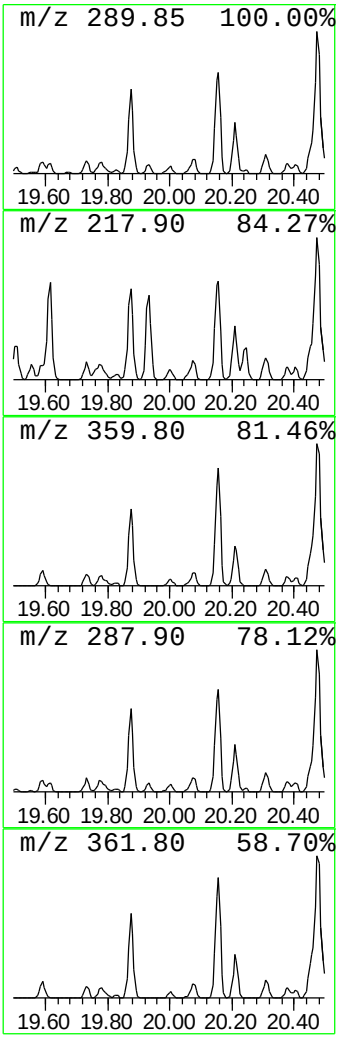
Peak Number 21 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.39 ng/ul	74079	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	76
2	4,4'3'-Trichlorodiphenylsulfide	288	C12H7Cl3S	1000283-58-7	55
3	Benzene, 2,4-dichloro-1-[(4-chlo...	288	C12H7Cl3S	055759-88-1	50
4	Penclomedine	323	C8H6Cl5NO2	108030-77-9	27
5	3-Bromo-5,7-dichloro-1-methylnap...	288	C11H7BrCl2	055058-84-9	25





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Instrument : BNA_M
ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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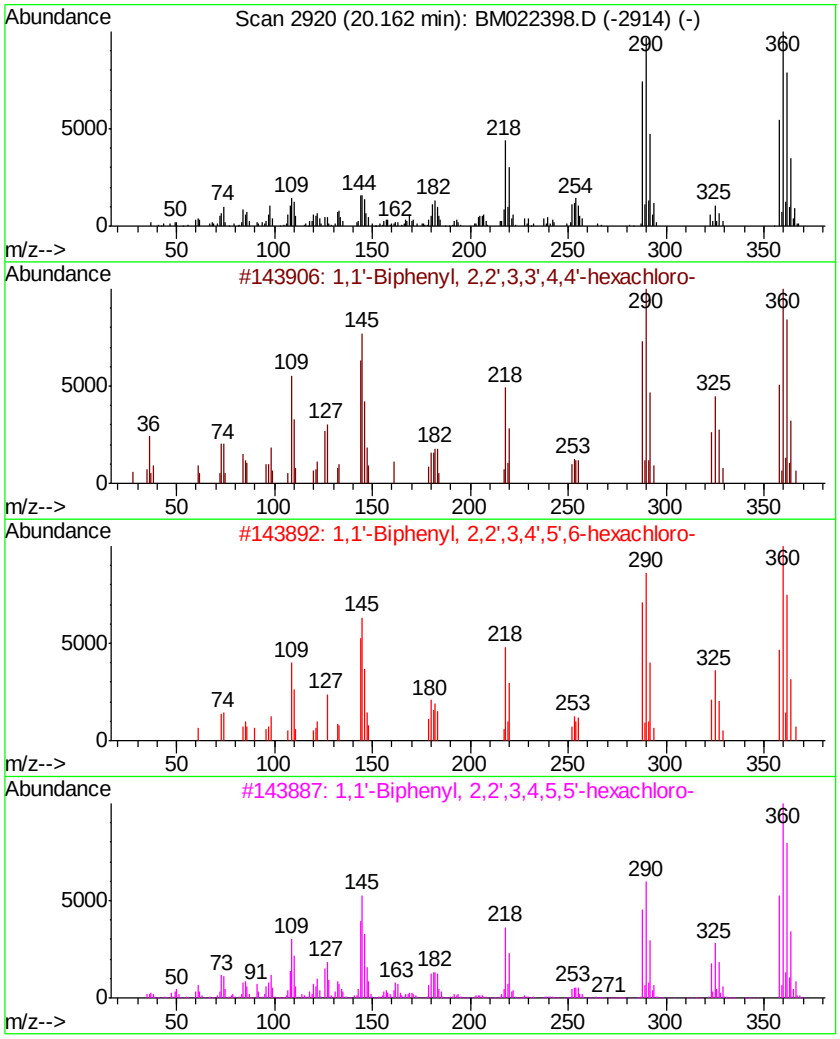
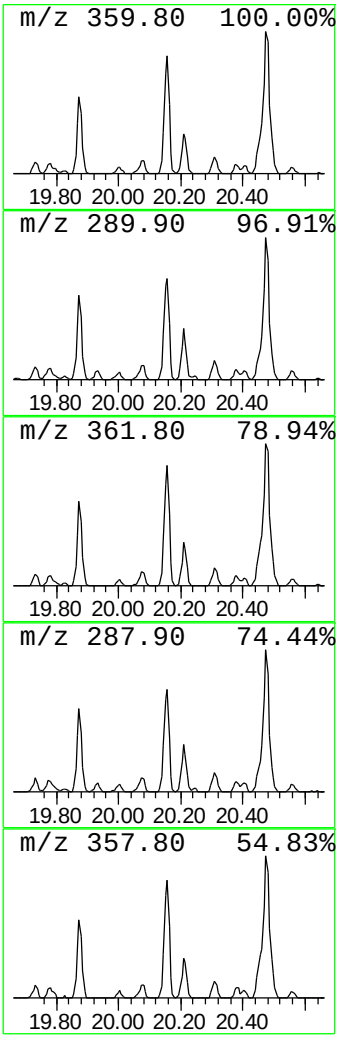
Peak Number 23 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	22.10 ng/ul	683822	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	97
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	96
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	96
4	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	95
5	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	95





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Quant Title : SVOA CALIBRATION

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

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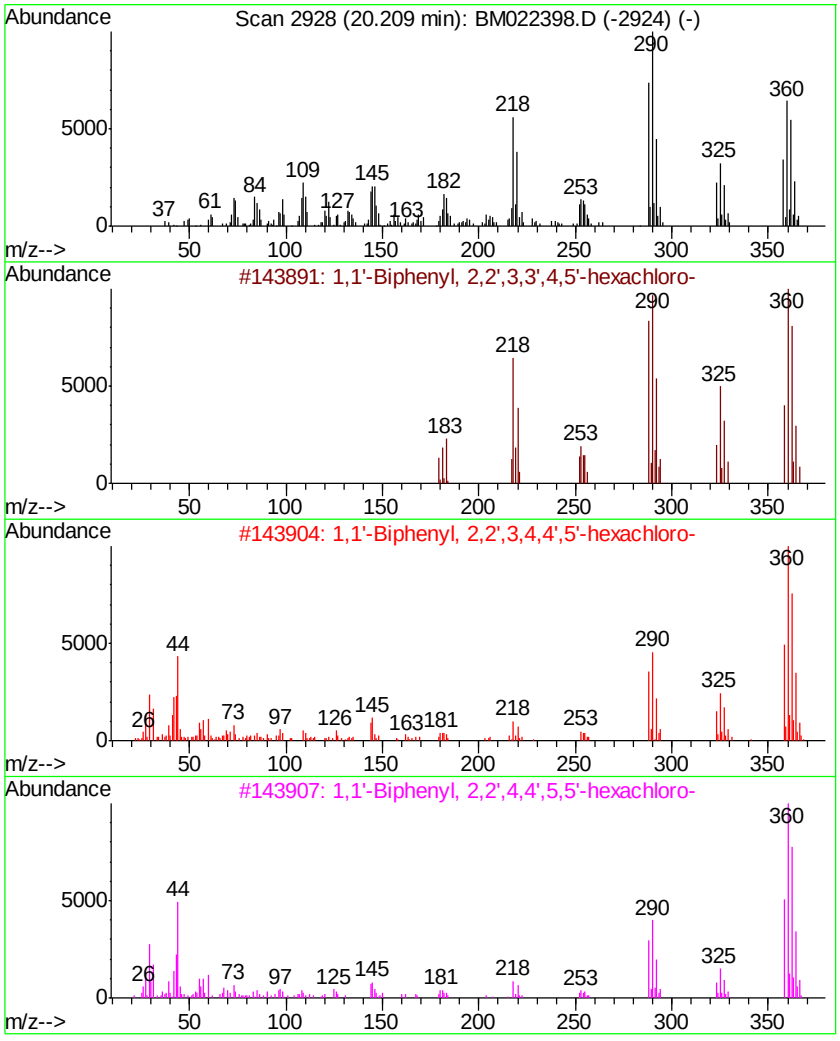
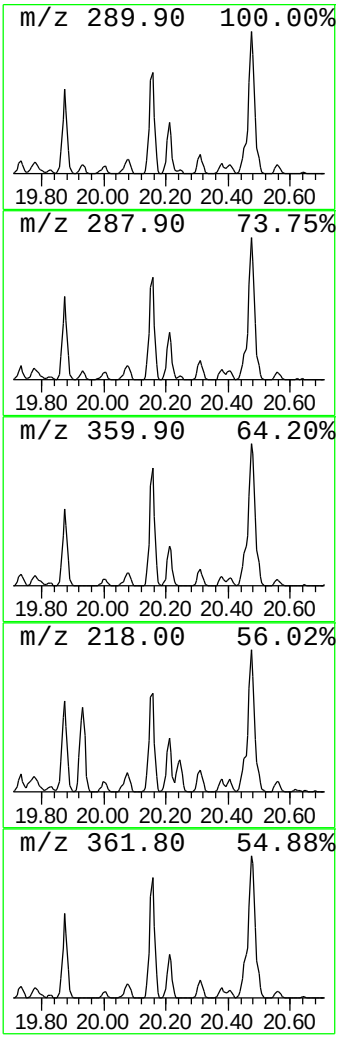
Peak Number 24 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	11.48 ng/ul	355231	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
2	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95
4	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	95
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	94





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Instrument : BNA_M
ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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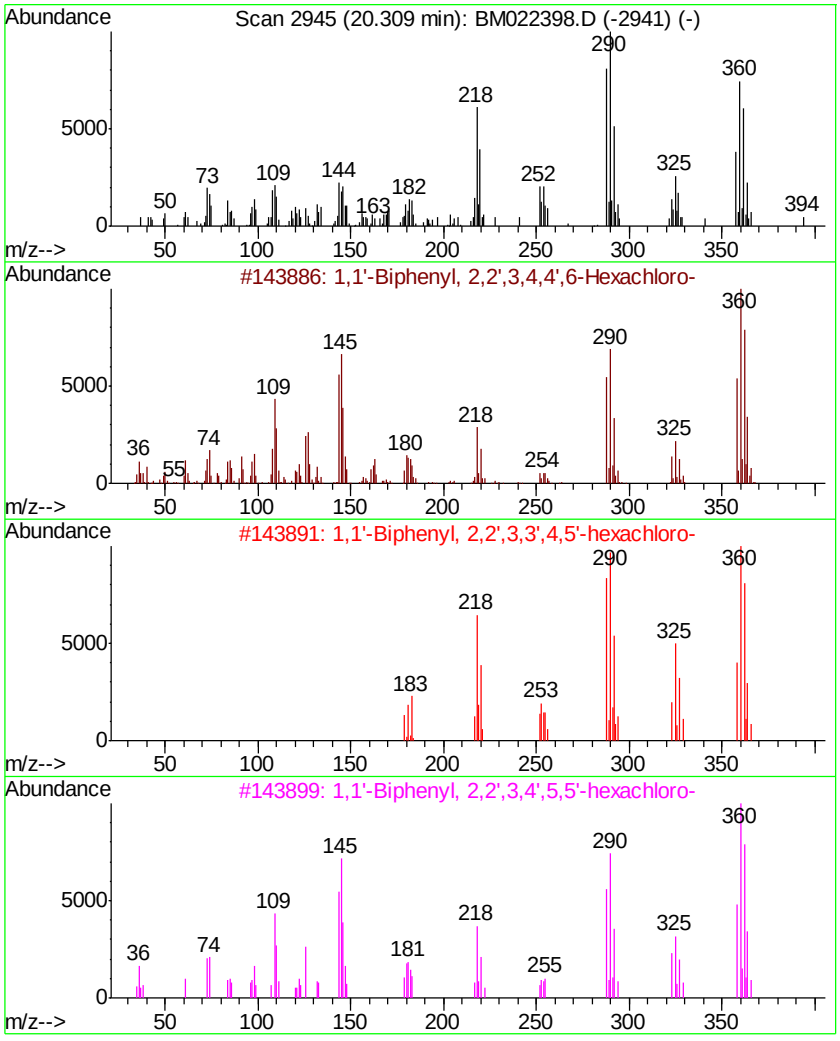
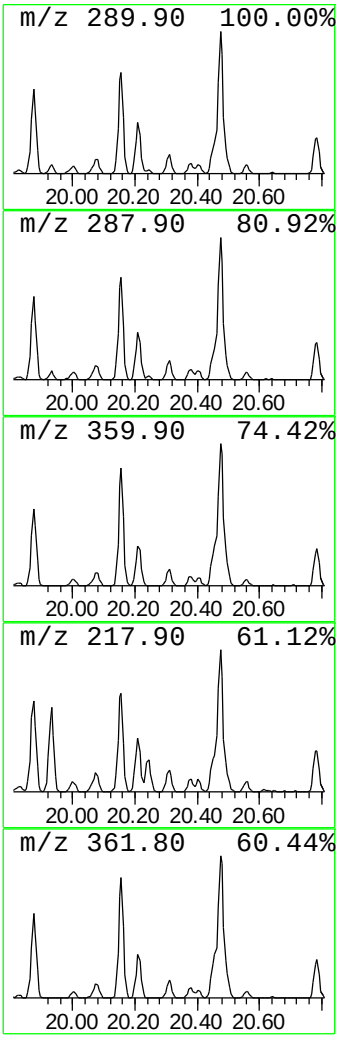
Peak Number 26 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	4.29 ng/ul	132843	Chrysene-d12	21.17

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	94
2	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	94
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	93
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	93
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	93





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ClientSampleId : C0AR1

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Quant Title : SVOA CALIBRATION

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

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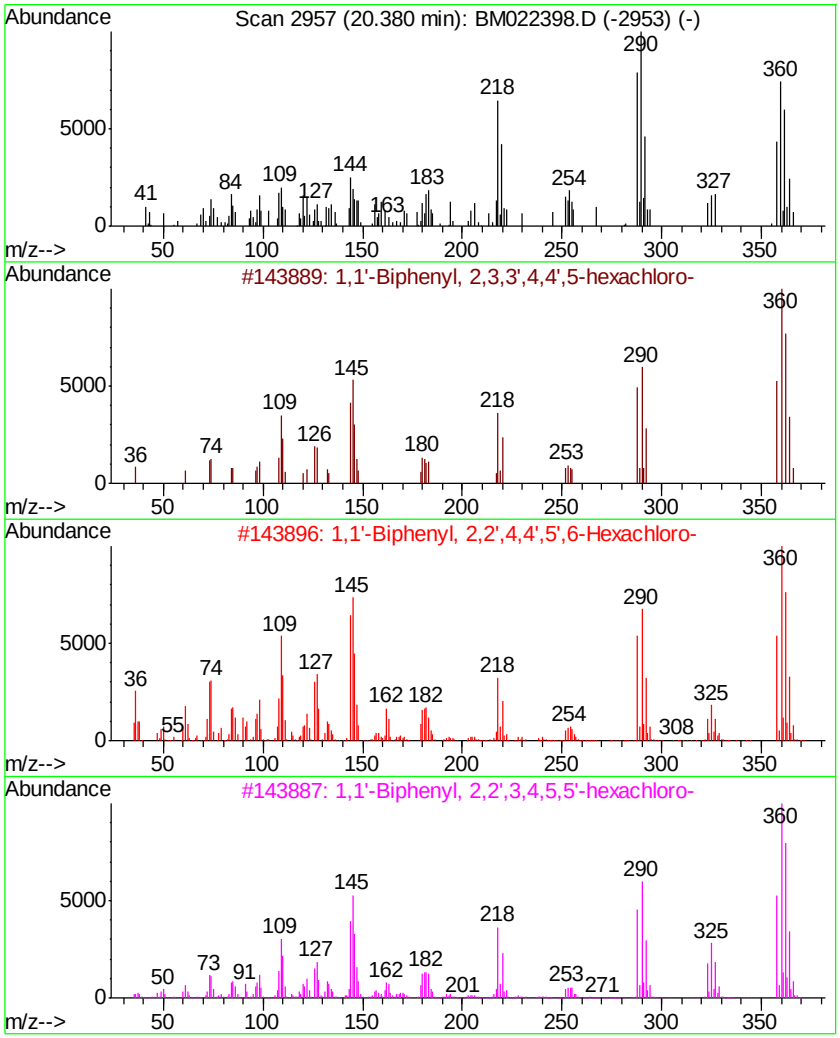
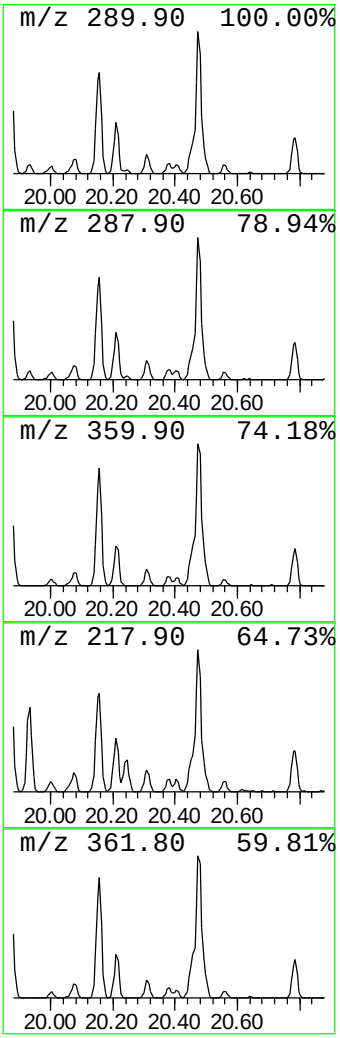
Peak Number 27 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.38	2.84 ng/ul	87801	Chrysene-d12	21.17

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	94
2	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	94
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	94
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	94
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	94





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Data File : BM022398.D
Acq On : 29 Aug 2019 00:55
Operator : HP/JU
Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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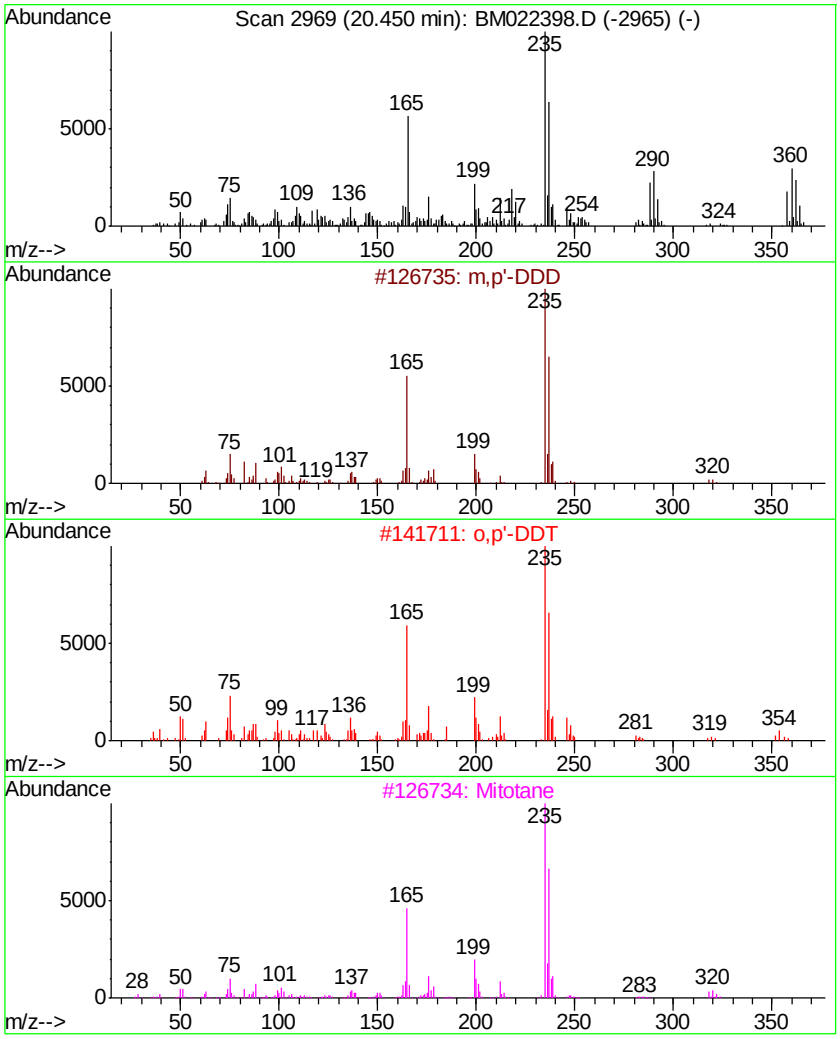
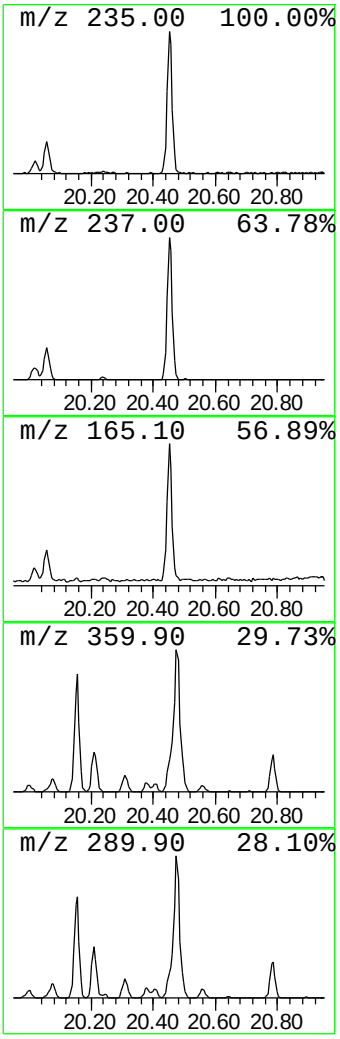
Peak Number 28 m,p'-DDD Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	18.66 ng/ul	577260	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m,p'-DDD	318	C14H10Cl4	004329-12-8	60
2	o,p'-DDT	352	C14H9Cl5	000789-02-6	60
3	Mitotane	318	C14H10Cl4	000053-19-0	53
4	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	53
5	Mitotane	318	C14H10Cl4	000053-19-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022398.D
Acq On : 29 Aug 2019 00:55
Operator : HP/JU
Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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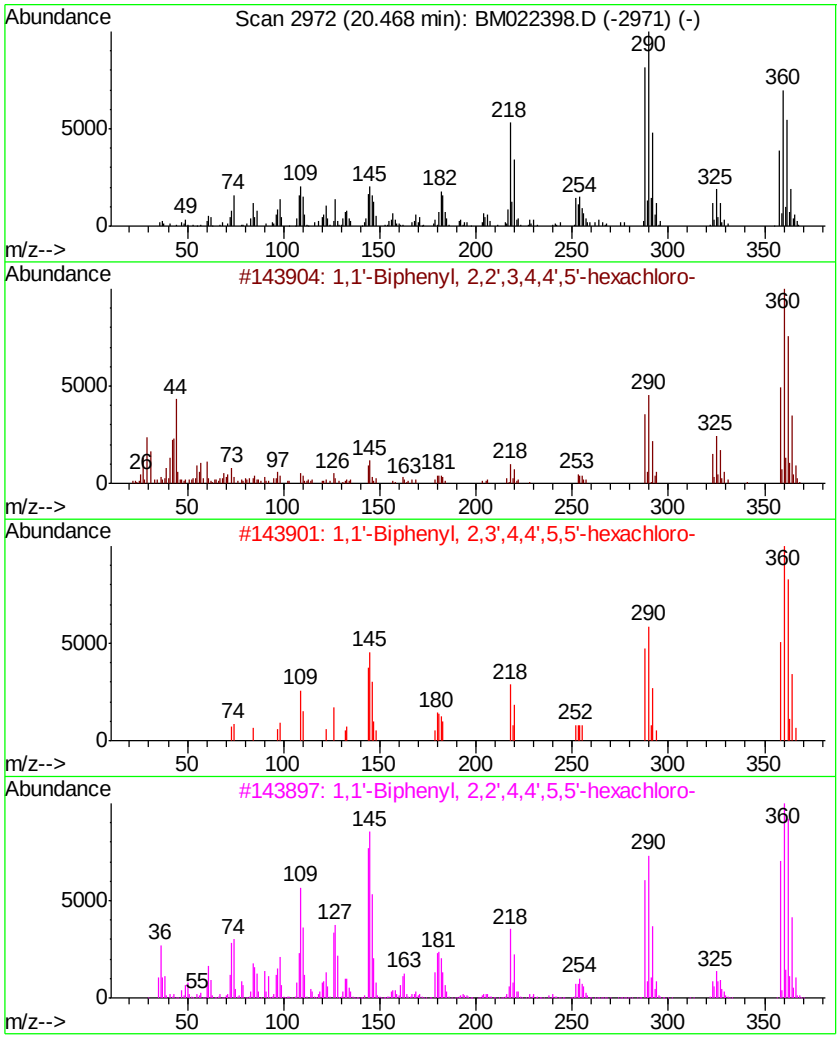
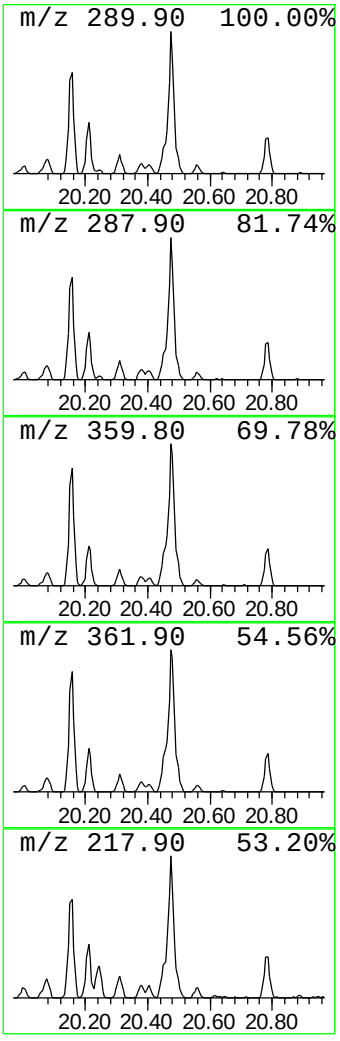
Peak Number 29 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	30.58 ng/ul	946215	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	97
2	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95
4	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	95
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\
Data File : BM022398.D
Acq On : 29 Aug 2019 00:55
Operator : HP/JU
Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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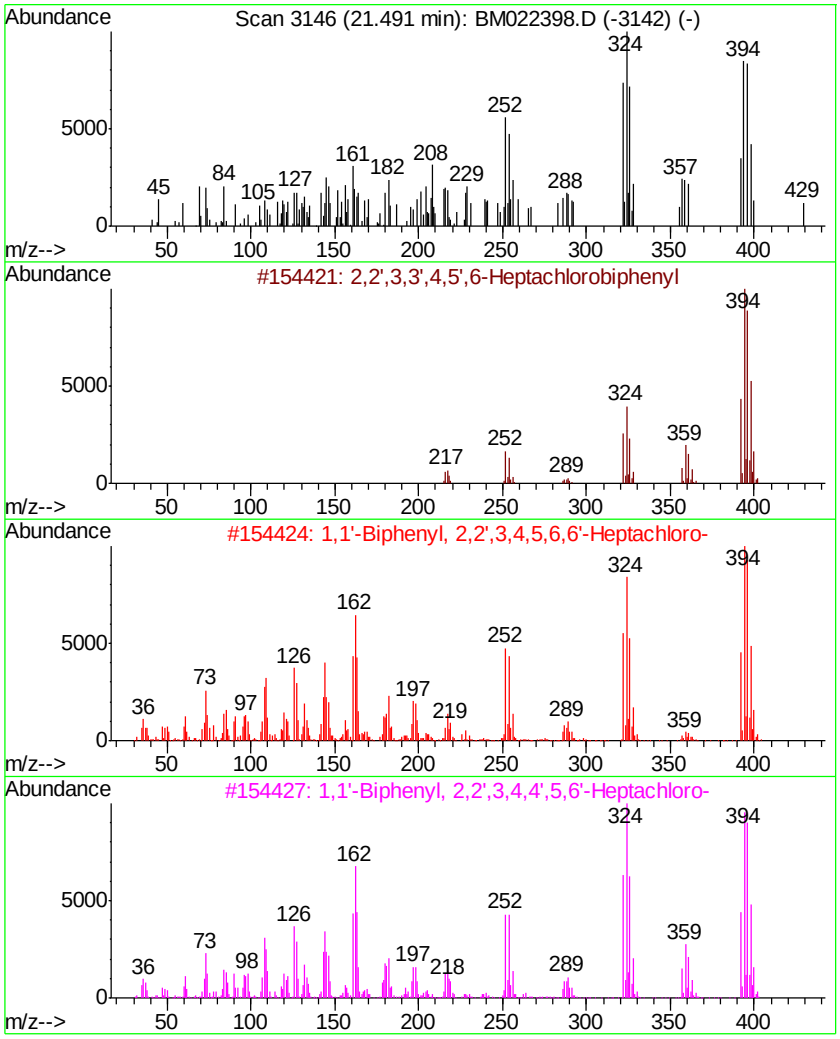
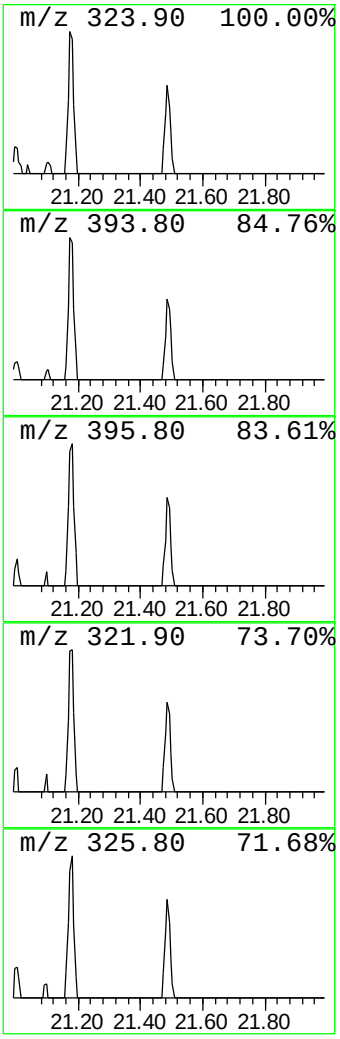
Peak Number 32 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	2.38 ng/ul	73491	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	98
2	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	96
3	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	96
4	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	96
5	1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082819\
Data File : BM022398.D
Acq On : 29 Aug 2019 00:55
Operator : HP/JU
Sample : K4556-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AR1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.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
(DEL) Alkane: Str...	3.02	2.9	ng/ul	21222	1	7.53	145717	20.0
Butane, 1,1,3,4-t...	17.57	2.7	ng/ul	51663	4	16.96	381727	20.0
1,1'-Biphenyl, 2,...	18.02	36.6	ng/ul	699002	4	16.96	381727	20.0
1,1'-Biphenyl, 2,...	18.49	4.4	ng/ul	84057	4	16.96	381727	20.0
1,1'-Biphenyl, 3,...	18.80	6.5	ng/ul	123995	4	16.96	381727	20.0
1,1'-Biphenyl, 2,...	18.87	63.8	ng/ul	1218480	4	16.96	381727	20.0
1,1'-Biphenyl, 2,...	19.16	55.6	ng/ul	1721760	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	19.23	17.6	ng/ul	545684	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	19.62	53.7	ng/ul	1660600	5	21.17	618857	20.0
4,4'3'-Trichlorod...	19.73	3.3	ng/ul	102010	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	19.87	20.8	ng/ul	642944	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	19.93	44.6	ng/ul	1381680	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	20.00	2.4	ng/ul	74079	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	20.16	22.1	ng/ul	683822	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	20.21	11.5	ng/ul	355231	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	20.31	4.3	ng/ul	132843	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	20.38	2.8	ng/ul	87801	5	21.17	618857	20.0
m,p'-DDD	20.45	18.7	ng/ul	577260	5	21.17	618857	20.0
1,1'-Biphenyl, 2,...	20.47	30.6	ng/ul	946215	5	21.17	618857	20.0
2,2',3,3',4,5',6-...	21.49	2.4	ng/ul	73491	5	21.17	618857	20.0