LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062119\
Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

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_N\METHODS\SOM-EPA-BN061919MA.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	6.805	640	649	667	rBV	662753	1156499	21.84%	1.167%
2	6.963	670	676	689	rVB	595933	913729	17.26%	0.922%
3	7.158	702	709	720	rBV	683211	1111894	21.00%	1.122%
4	7.622	781	788	796	rBV	855415	1372273	25.92%	1.385%
5	8.334	902	909	925	rBV	662012	1152898	21.78%	1.164%
6	8.781	978	985	993	rBV	657167	1118974	21.14%	1.130%
7	9.499	1100	1107	1123	rBV	527837	908136	17.15%	0.917%
8	10.034	1192	1198	1216	rBV	797776	1388093	26.22%	1.401%
9	10.404	1253	1261	1268	rBV	1327791	2137926	40.38%	2.158%
10	10.546	1279	1285	1306	rBV	613373	1181705	22.32%	1.193%
11	13.692	1814	1820	1824	rVV	1620593	2175163	41.09%	2.196%
12	13.740	1824	1828	1836	rVV	657047	890132	16.81%	0.899%
13	13.969	1860	1867	1882	rBV	1799146	2755986	52.06%	2.782%
14	14.281	1912	1920	1927	rBV2	1898958	2810134	53.08%	2.837%
15	14.345	1927	1931	1937	rVB	54564	82227	1.55%	0.083%
16	14.510	1953	1959	1970	rBV	364764	718201	13.57%	0.725%
17	14.681	1980	1988	1991	rBV2	42804	72369	1.37%	0.073%
18	14.716	1991	1994	1998	rVV4	40336	62052	1.17%	0.063%
19	15.281	2083	2090	2095	rBV	2231859	3217288	60.77%	3.248%
20	15.334	2095	2099	2109	rVB	112021	164274	3.10%	0.166%
21	15.422	2109	2114	2119	rBV	195051	283884	5.36%	0.287%
22	15.539	2124	2134	2139	rVB3	77519	148085	2.80%	0.149%
23	15.775	2166	2174	2183	rBV2	27505	65592	1.24%	0.066%
24	16.345	2262	2271	2275	rBV4	34683	71247	1.35%	0.072%
25	16.563	2302	2308	2314	rBV	899730	1176820	22.23%	1.188%
26	16.692	2326	2330	2337	rVB2	34522	57572	1.09%	0.058%
27	16.851	2354	2357	2365	rVB	54229	82187	1.55%	0.083%
28	16.951	2370	2374	2378	rVB	97631	130874	2.47%	0.132%
29	17.033	2382	2388	2392	rBV2	2408842	3567559	67.39%	3.601%
30	17.075	2392	2395	2400	rVV	1279826	1854557	35.03%	1.872%
31	17.133	2400	2405	2409	rVV	2298522	3221853	60.86%	3.252%
32	17.169	2409	2411	2414	rVV	272006	314613	5.94%	0.318%
33	17.216	2414	2419	2427	rVB	1053895	1441844	27.23%	1.455%
34	17.416	2447	2453	2455	rBV5	59906	87752	1.66%	0.089%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

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_N\METHODS\SOM-EPA-BN061919MA.M
Title : SVOA CALIBRATION

35	17.445	2455	2458	2462	rVB	51278	62630	1.18%	0.063%
36	17.639	2484	2491	2497	rVB	497801	786431	14.85%	0.794%
37	17.751	2505	2510	2517	rVB2	275687	394400	7.45%	0.398%
38	17.833	2519	2524	2528	rVB	298173	404531	7.64%	0.408%
39	17.886	2528	2533	2535	rBV	206586	287803	5.44%	0.291%
40	17.910	2535	2537	2538	rVV	154882	150861	2.85%	0.152%
41	17.939	2538	2542	2552	rVV2	935783	1655409	31.27%	1.671%
42	18.045	2556	2560	2565	rVV2	182415	260050	4.91%	0.263%
43	18.110	2565	2571	2575	rVV2	2049759	2808803	53.05%	2.835%
44	18.169	2575	2581	2585	rVV2	1400869	2023662	38.22%	2.043%
45	18.216	2585	2589	2594	rVB	1631619	2124889	40.14%	2.145%
46	18.269	2594	2598	2602	rBV3	59581	86696	1.64%	0.088%
47	18.392	2614	2619	2625	rBV2	1486680	2374552	44.85%	2.397%
48	18.445	2625	2628	2635	rVV2	723034	960297	18.14%	0.969%
49	18.504	2635	2638	2640	rVV	65321	86707	1.64%	0.088%
50	18.539	2640	2644	2646	rVV	632478	801046	15.13%	0.809%
51	18.575	2646	2650	2657	rVB	1370243	1736221	32.79%	1.753%
52	18.675	2662	2667	2671	rVB2	347673	433017	8.18%	0.437%
53	18.751	2677	2680	2686	rVB2	96263	124229	2.35%	0.125%
54	18.833	2688	2694	2698	rBV2	176230	328377	6.20%	0.331%
55	18.886	2698	2703	2708	rBV	754889	1022692	19.32%	1.032%
56	18.939	2708	2712	2714	rVV2	204197	299351	5.65%	0.302%
57	18.980	2714	2719	2727	rVB3	979846	1632549	30.84%	1.648%
58	19.051	2727	2731	2734	rBV2	91692	118959	2.25%	0.120%
59	19.104	2734	2740	2748	rVB	2520466	3310394	62.53%	3.342%
60	19.210	2748	2758	2760	rBV3	275325	662185	12.51%	0.668%
61	19.251	2761	2765	2771	rVB3	290391	502516	9.49%	0.507%
62	19.316	2772	2776	2780	rBV5	136123	204716	3.87%	0.207%
63	19.380	2785	2787	2791	rVB3	48038	58275	1.10%	0.059%
64	19.445	2792	2798	2800	rBV	3186088	4420631	83.50%	4.462%
65	19.475	2800	2803	2808	rVV	2120494	2818633	53.24%	2.845%
66	19.545	2812	2815	2820	rVB2	98490	147798	2.79%	0.149%
67	19.592	2820	2823	2827	rBV	78163	83118	1.57%	0.084%
68	19.651	2828	2833	2838	rBV	125567	209457	3.96%	0.211%
69	19.704	2838	2842	2848	rVV2	153930	298185	5.63%	0.301%
70	19.751	2848	2850	2853	rVB	65804	61626	1.16%	0.062%
71	19.798	2853	2858	2864	rBV3	132291	331575	6.26%	0.335%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

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_N\METHODS\SOM-EPA-BN061919MA.M
Title : SVOA CALIBRATION

72	19.974	2876	2888	2893	rBV2	333614	906728	17.13%	0.915%
73	20.016	2893	2895	2901	rVB2	170598	188332	3.56%	0.190%
74	20.074	2901	2905	2908	rBV2	199920	244438	4.62%	0.247%
75	20.133	2909	2915	2919	rVV2	182456	299244	5.65%	0.302%
76	20.269	2935	2938	2942	rVV	110475	136704	2.58%	0.138%
77	20.322	2943	2947	2951	rVB2	217299	293371	5.54%	0.296%
78	20.492	2972	2976	2979	rBV	162284	181943	3.44%	0.184%
79	20.727	3012	3016	3022	rVB	150537	213666	4.04%	0.216%
80	20.892	3040	3044	3047	rBV3	143961	192018	3.63%	0.194%
81	20.927	3047	3050	3052	rVV	171059	198573	3.75%	0.200%
82	20.963	3052	3056	3063	rVV3	998396	1750943	33.07%	1.767%
83	21.027	3065	3067	3077	rVB	206142	290392	5.49%	0.293%
84	21.163	3088	3090	3093	rVB	72432	69128	1.31%	0.070%
85	21.245	3097	3104	3108	rVV2	3131299	5294220	100.00%	5.344%
86	21.286	3108	3111	3121	rVB	975967	1295372	24.47%	1.308%
87	21.398	3127	3130	3137	rBV	479827	604739	11.42%	0.610%
88	21.563	3155	3158	3163	rVB2	101335	151995	2.87%	0.153%
89	21.798	3195	3198	3200	rBV2	122732	125118	2.36%	0.126%
90	21.833	3200	3204	3214	rVB2	619475	960610	18.14%	0.970%
91	21.992	3228	3231	3234	rBV2	82125	120101	2.27%	0.121%
92	22.292	3277	3282	3287	rBV	787199	1088927	20.57%	1.099%
93	22.792	3362	3367	3375	rBV2	1091729	2852989	53.89%	2.880%
94	22.980	3395	3399	3405	rVB	151470	237581	4.49%	0.240%
95	23.286	3446	3451	3454	rBV	339045	592773	11.20%	0.598%
96	23.339	3454	3460	3465	rBV2	1869901	3558954	67.22%	3.593%
97	23.474	3476	3483	3489	rBV	1519575	2877018	54.34%	2.904%
98	23.980	3564	3569	3580	rVB	591443	1148049	21.68%	1.159%
99	24.715	3689	3694	3707	rVB	311054	675944	12.77%	0.682%
100	25.709	3858	3863	3871	rVB	229977	545849	10.31%	0.551%

Sum of corrected areas: 99063382

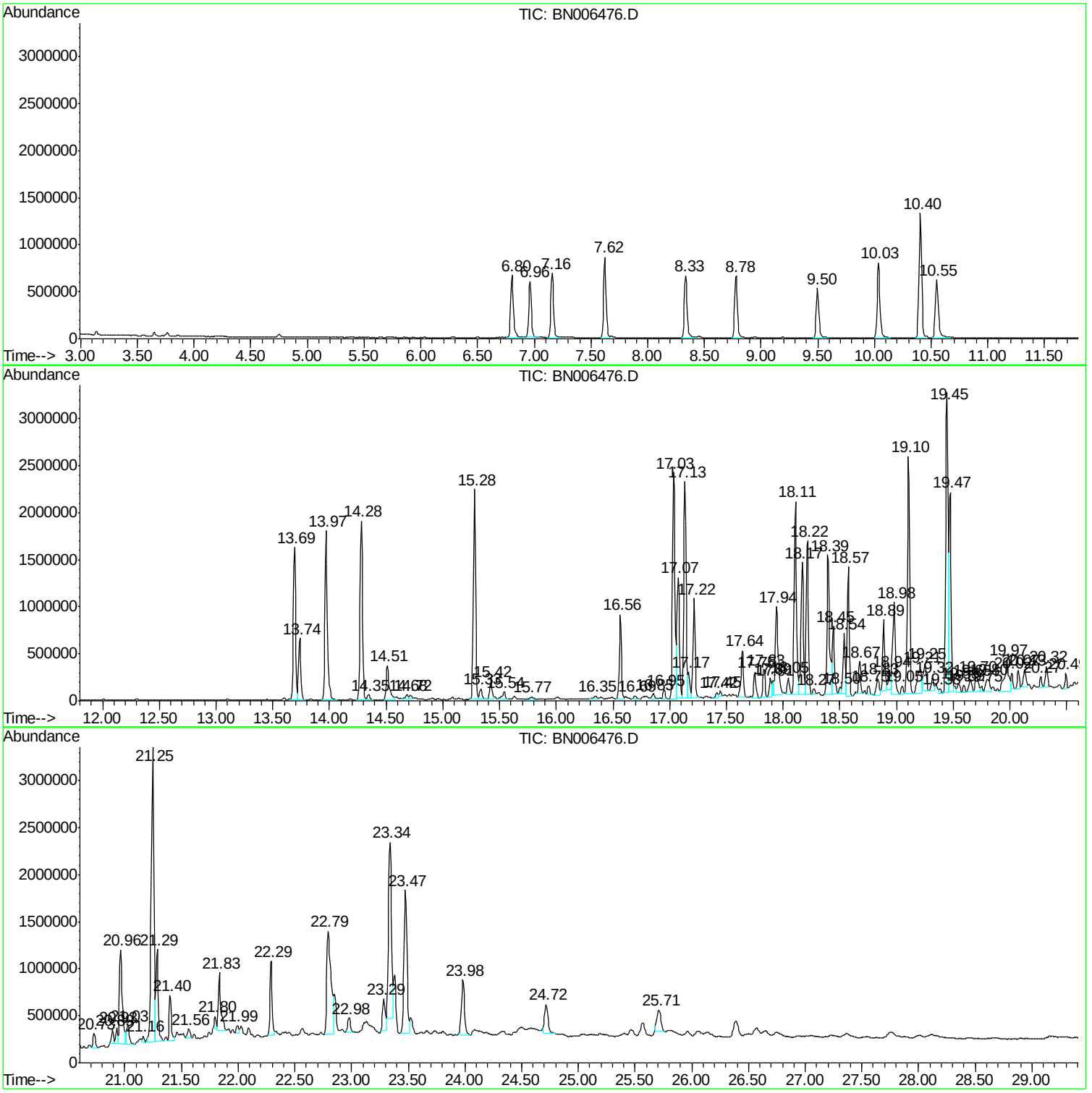
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062119\
Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062119\
Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

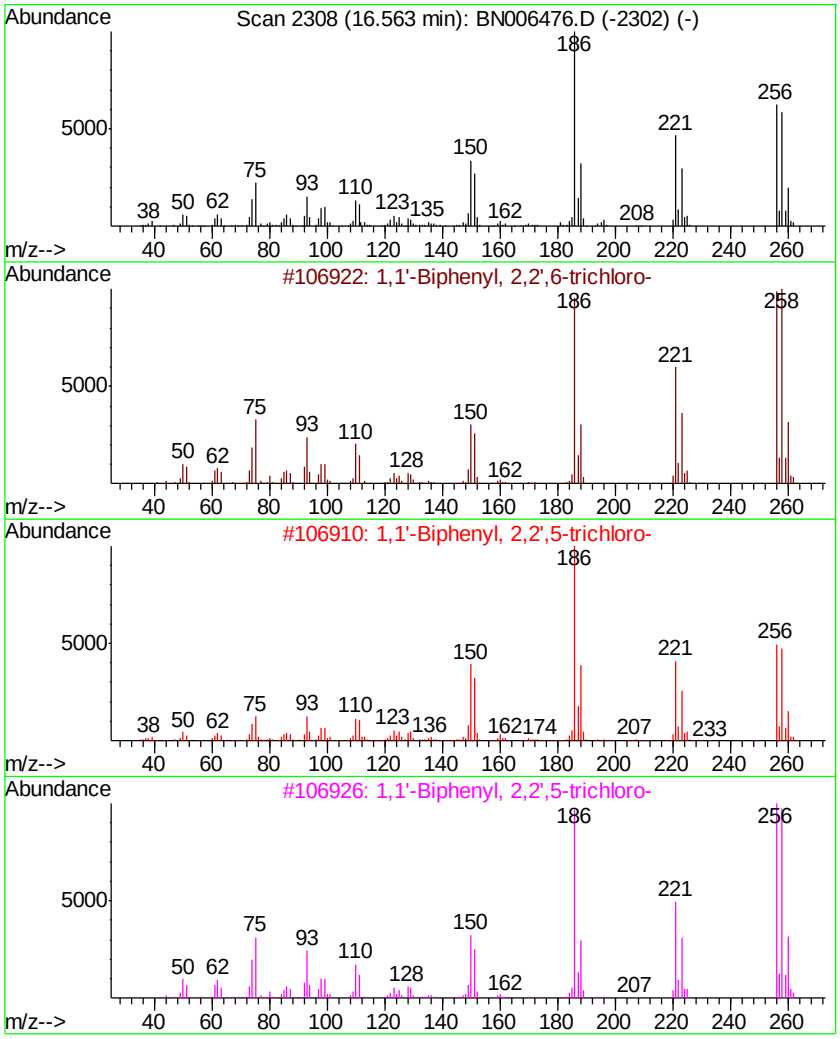
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

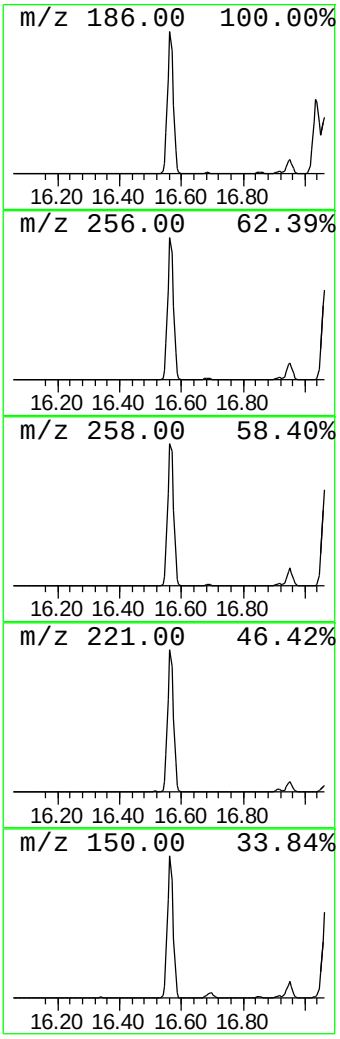
****

Peak Number 1 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	6.60 ng/ul	1176820	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

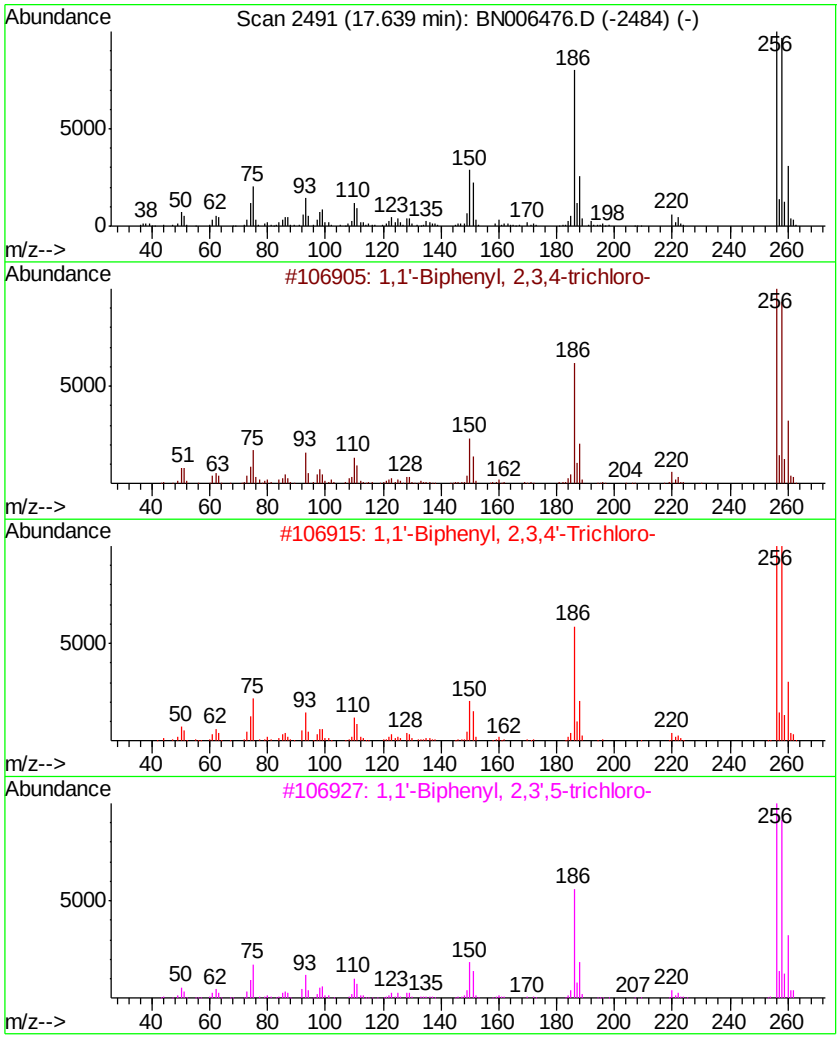
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

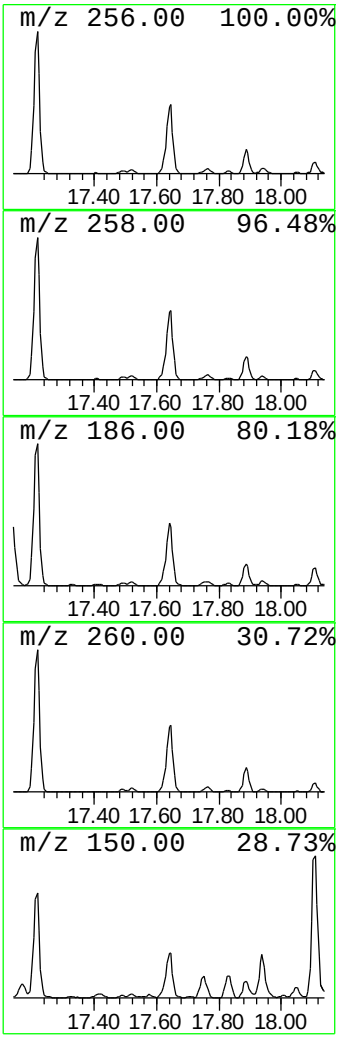
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	4.41 ng/ul	786431	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

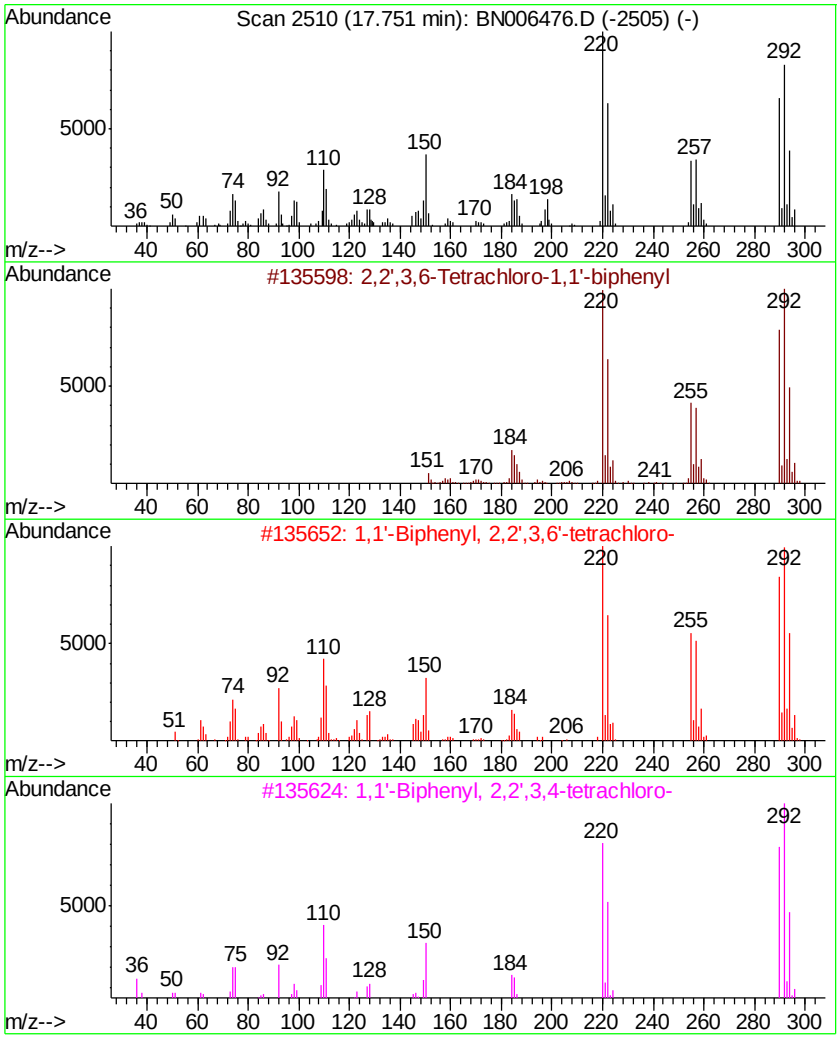
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

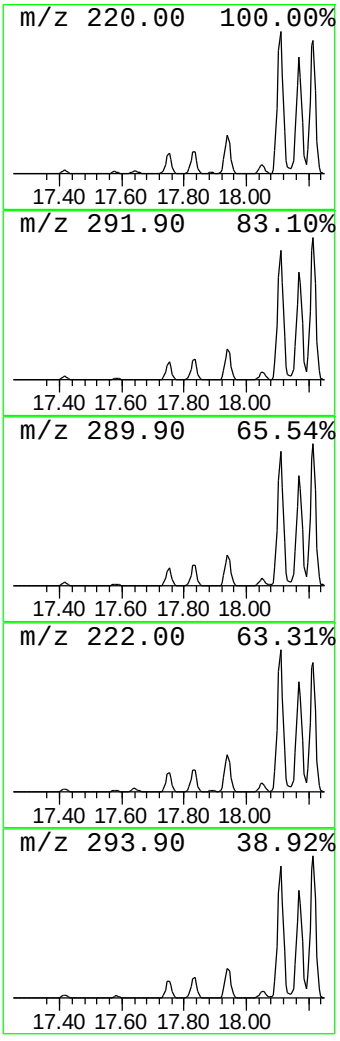
****

Peak Number 3 2,2',3,6-Tetrachloro-1,1'-b... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	2.21 ng/ul	394400	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
2	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99
3	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062119\
Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

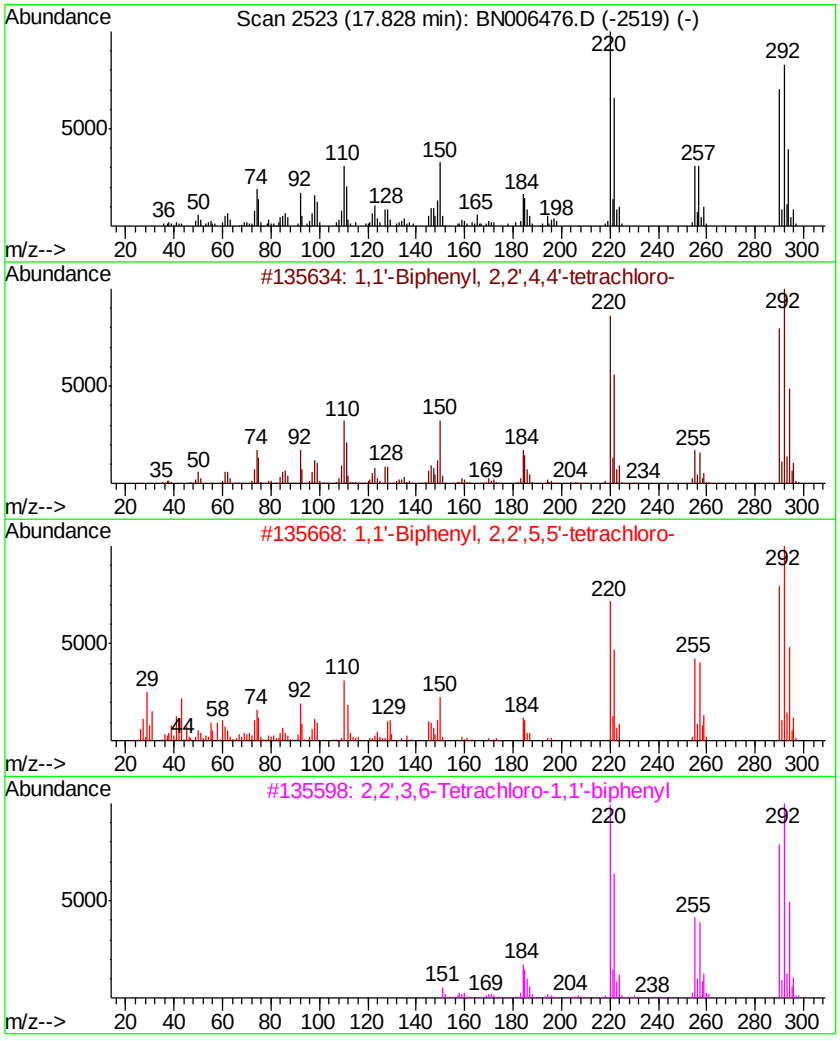
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

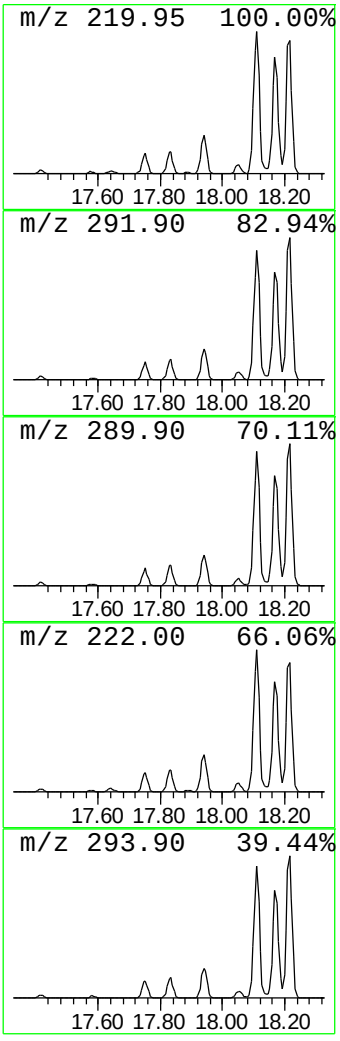
****

Peak Number 4 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	2.27 ng/ul	404531	Phenanthrene-d10	17.03

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',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

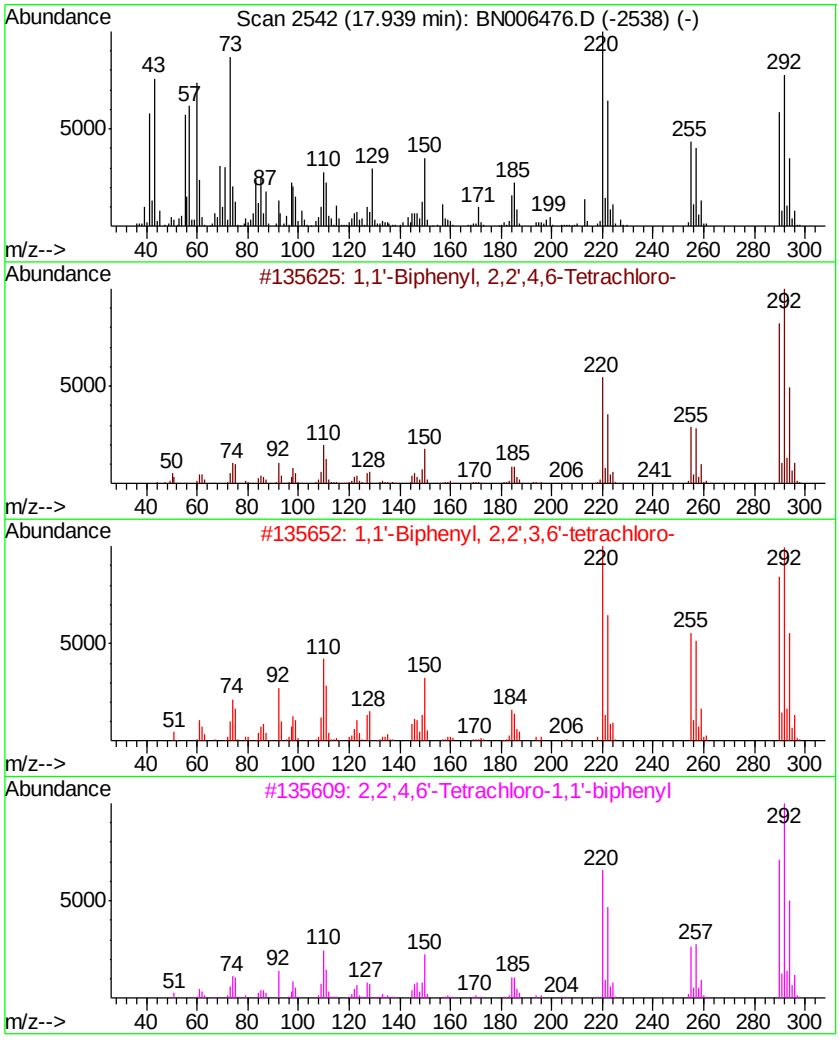
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

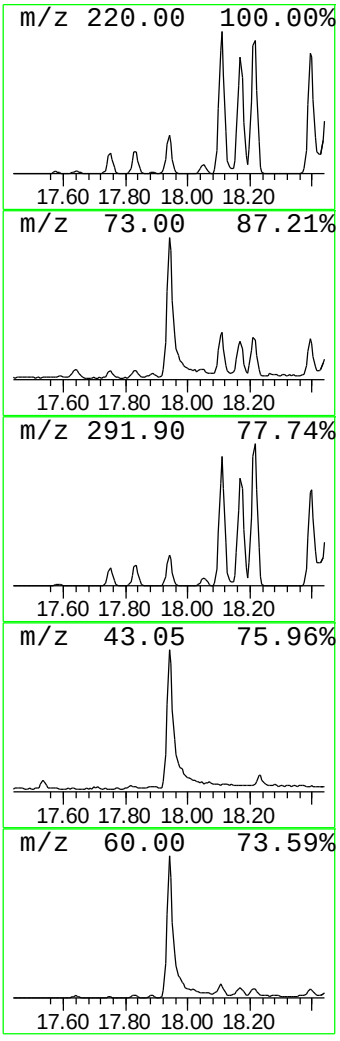
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	9.28 ng/ul	1655410	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99





Library Search Compound Report

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Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

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Quant Title : SVOA CALIBRATION

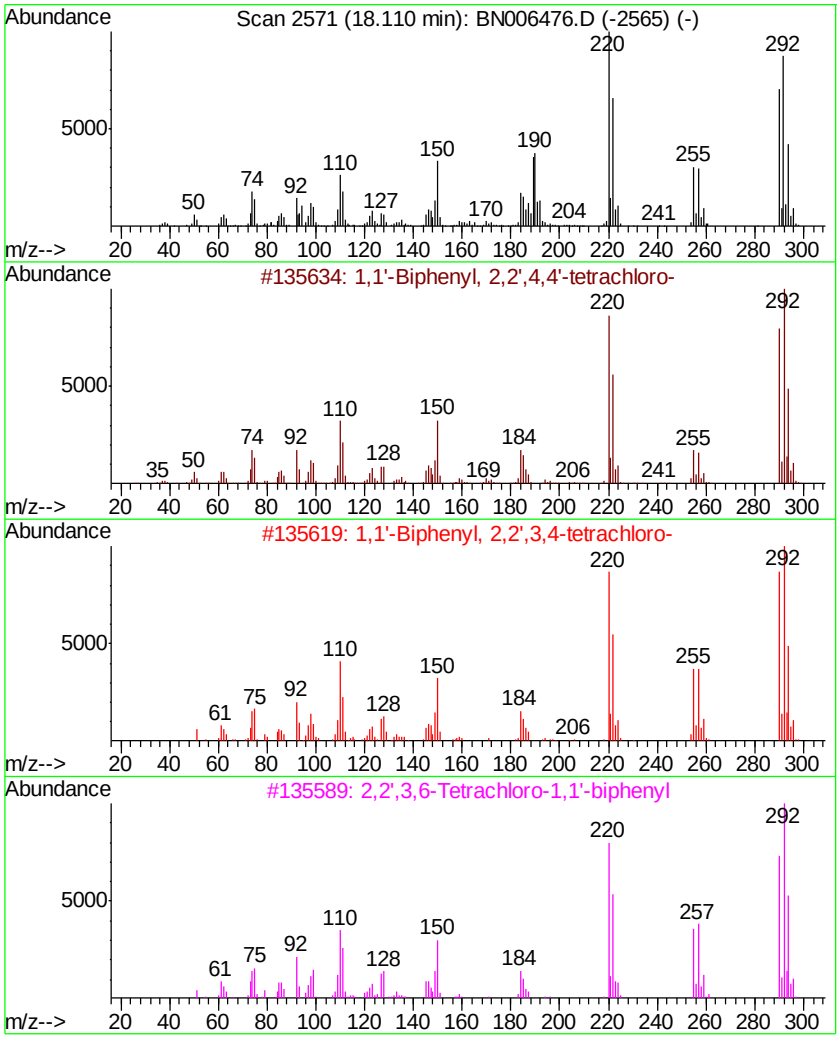
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

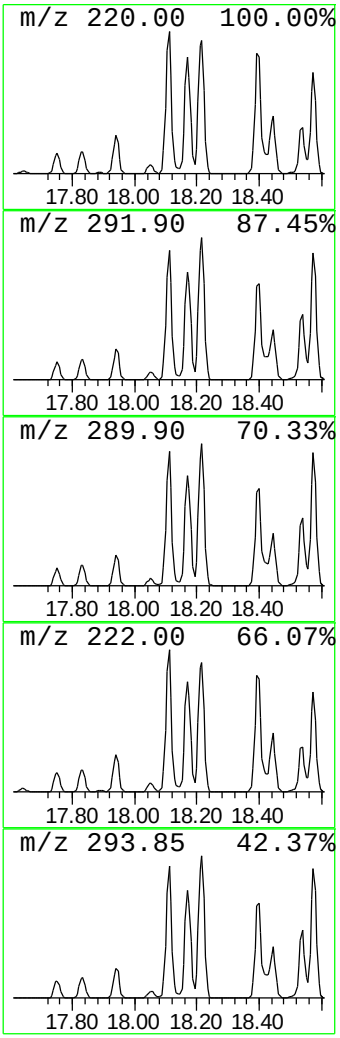
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	15.75 ng/ul	2808800	Phenanthrene-d10	17.03

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',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99





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Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

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Quant Title : SVOA CALIBRATION

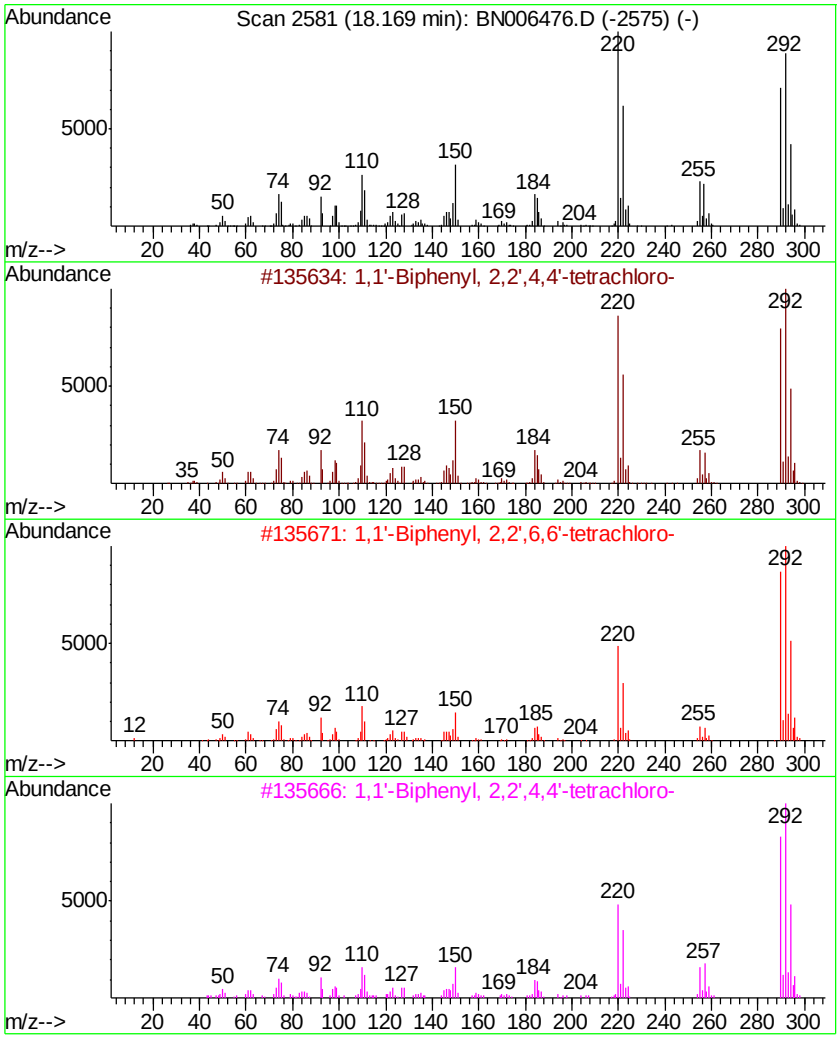
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

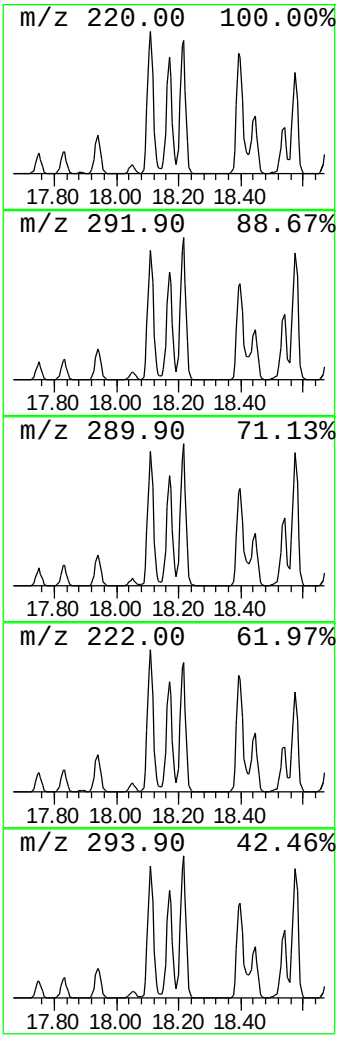
****

Peak Number 7 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	11.34 ng/ul	2023660	Phenanthrene-d10	17.03

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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99





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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

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Quant Title : SVOA CALIBRATION

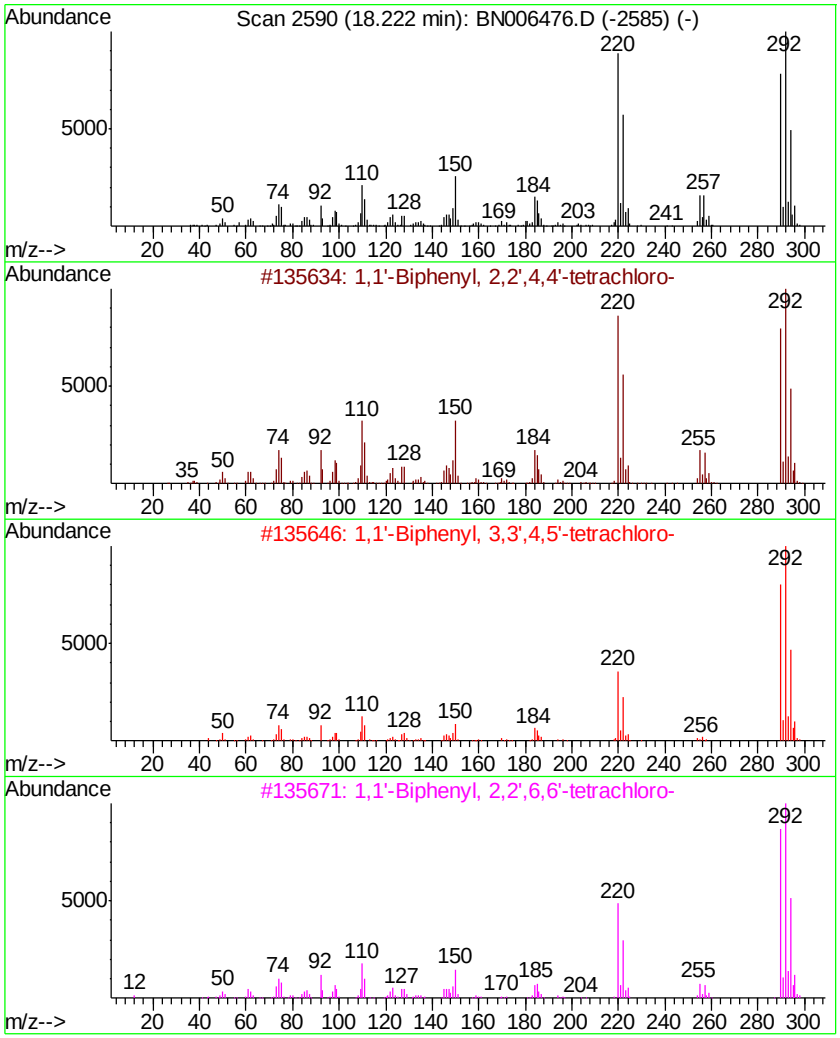
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

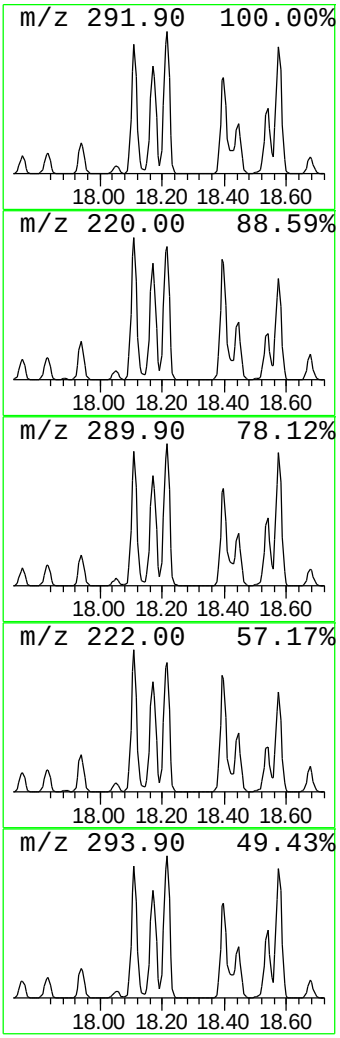
****

Peak Number 8 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	11.91 ng/ul	2124890	Phenanthrene-d10	17.03

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, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99





Library Search Compound Report

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Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

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

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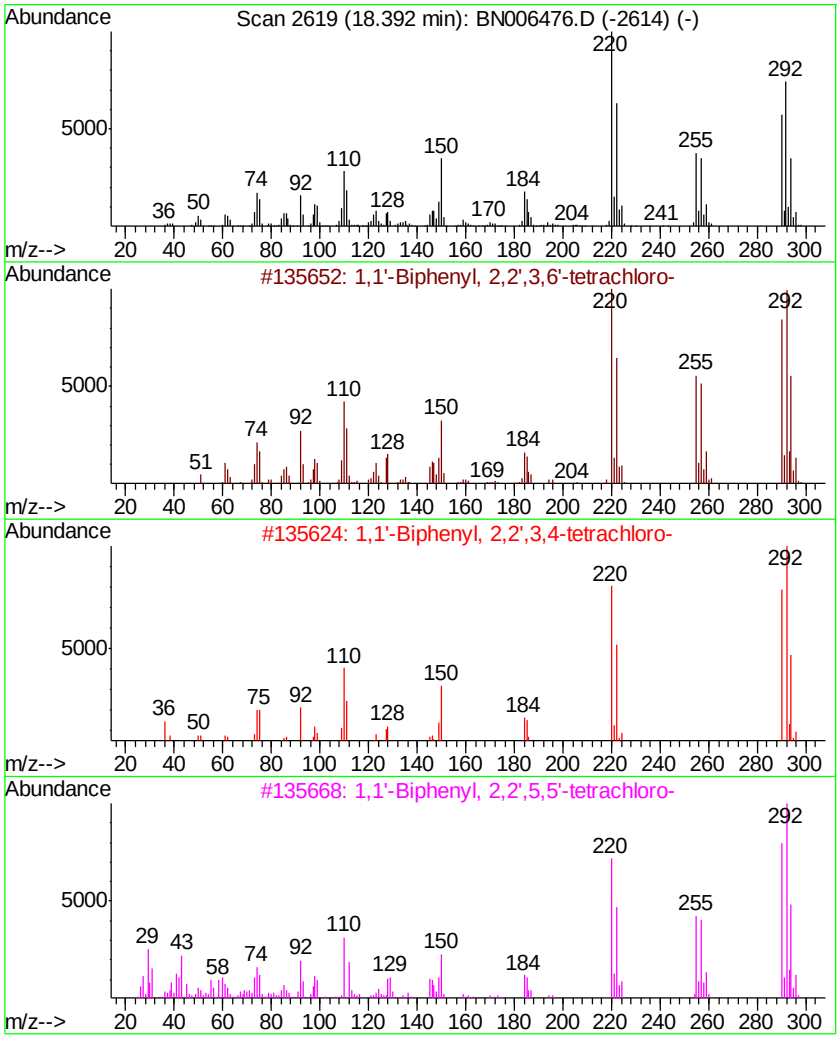
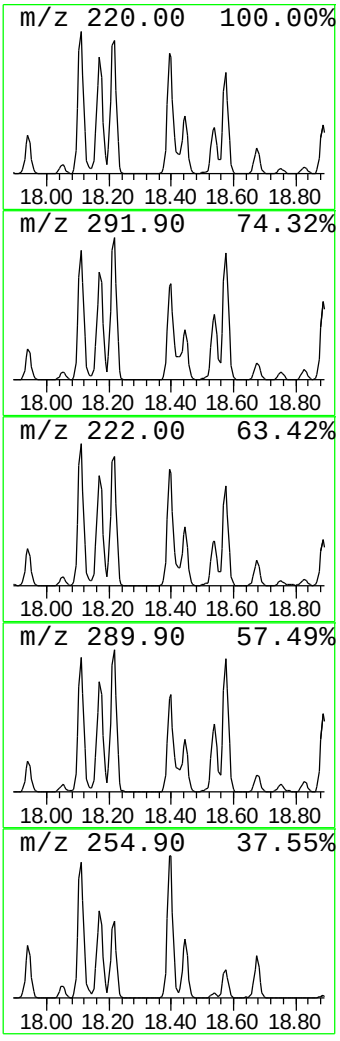
Peak Number 9 1,1'-Biphenyl, 2,2',3,6'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	13.31 ng/ul	2374550	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99
2	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

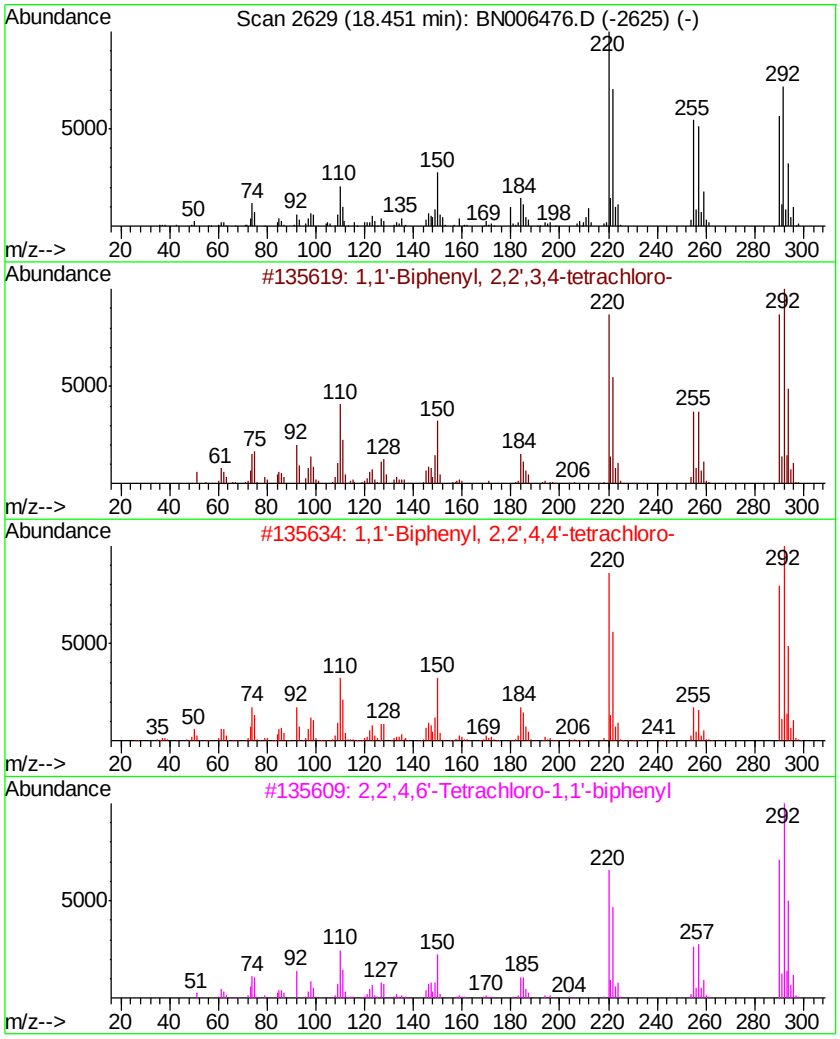
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

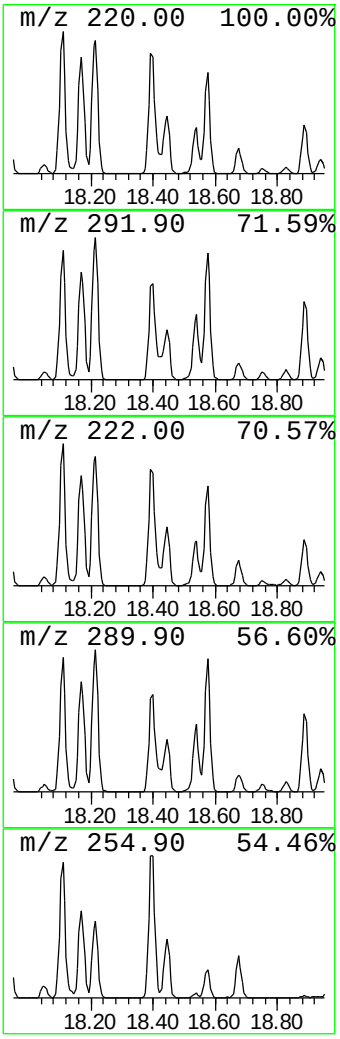
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	5.38 ng/ul	960297	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99





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Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

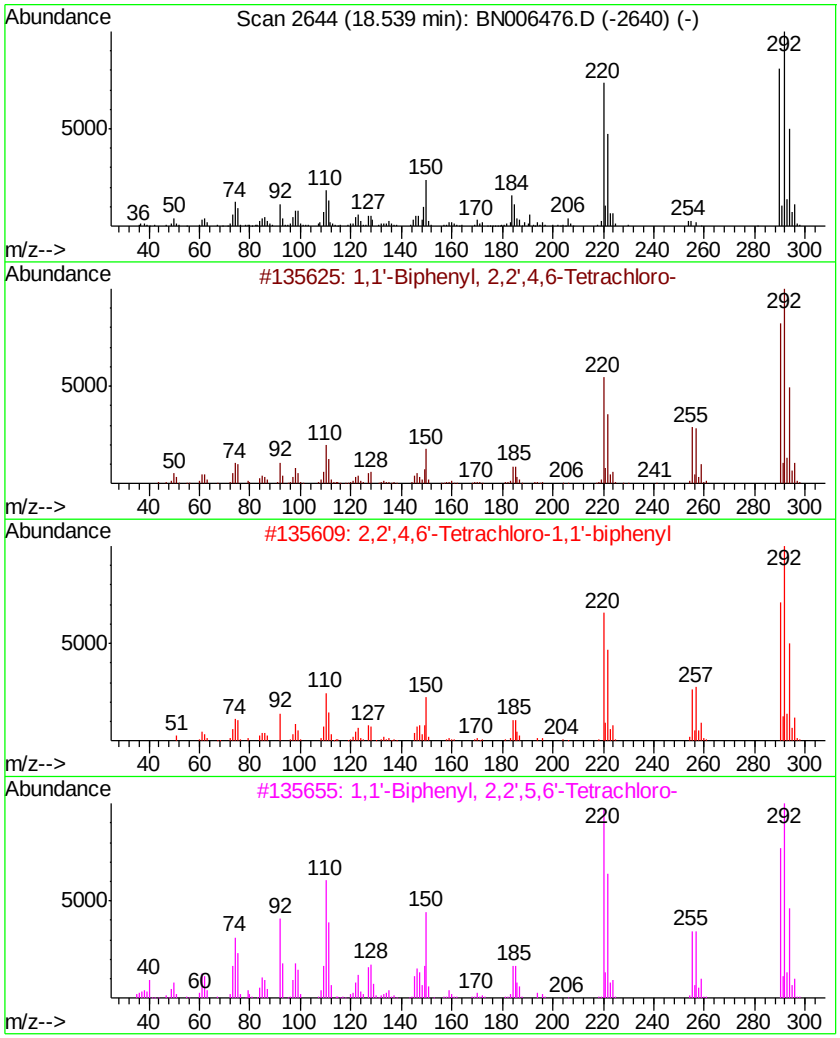
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

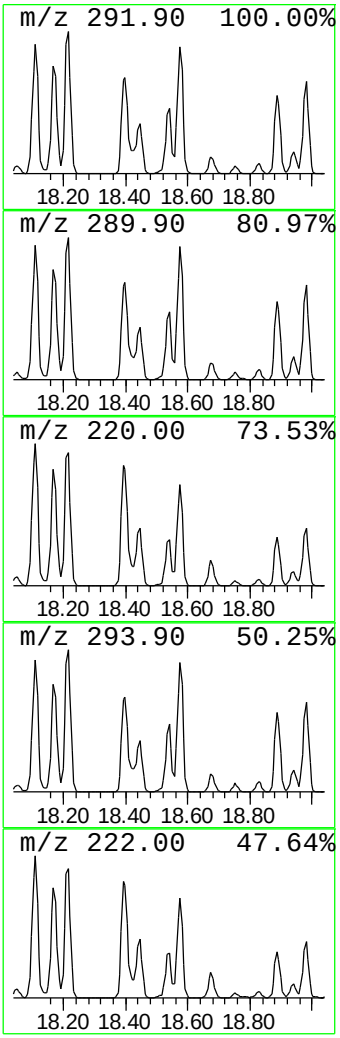
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1,1'-Biphenyl, 2,2',5,6'-Te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	4.49 ng/ul	801046	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
3	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Library Search Compound Report

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Sample : K3335-08
Misc :
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Instrument : BNA_N
ClientSampleId : A4235

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Quant Title : SVOA CALIBRATION

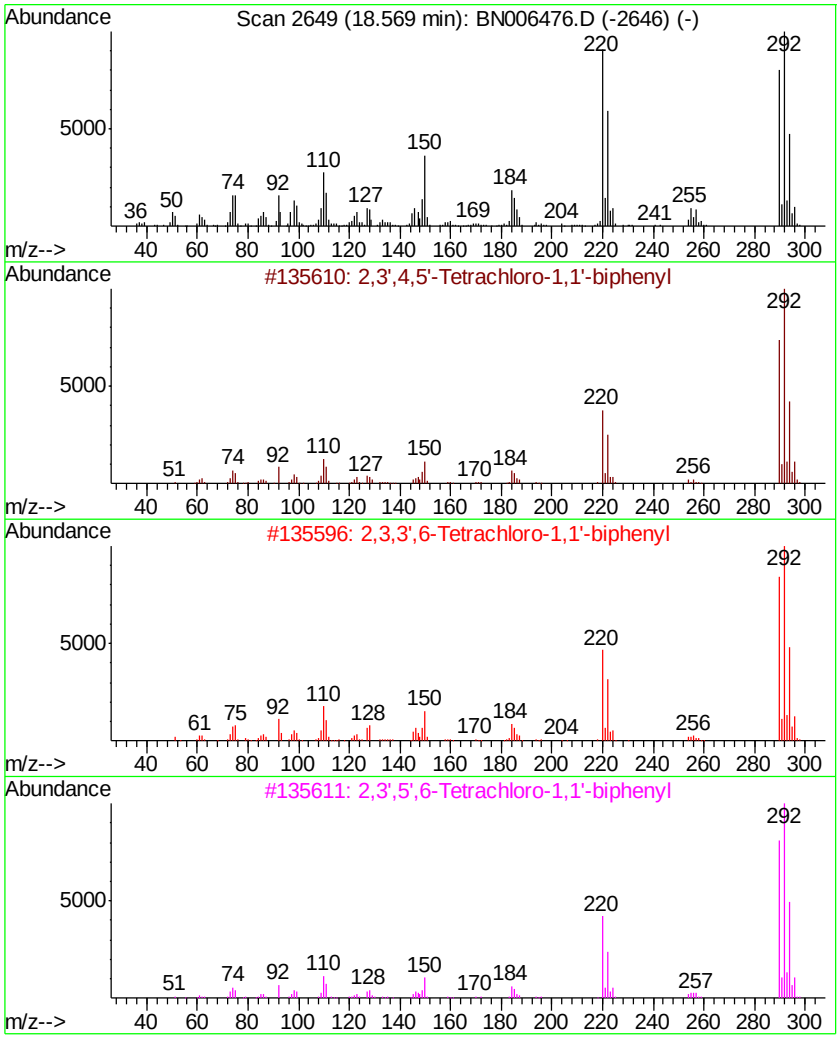
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

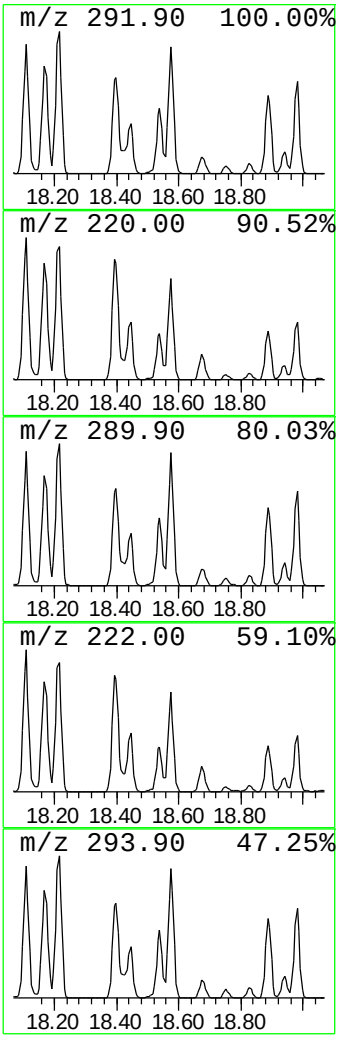
****

Peak Number 12 2,3',4,5'-Tetrachloro-1,1'-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	9.73 ng/ul	1736220	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-52-7	99
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
3	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
4	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99





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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

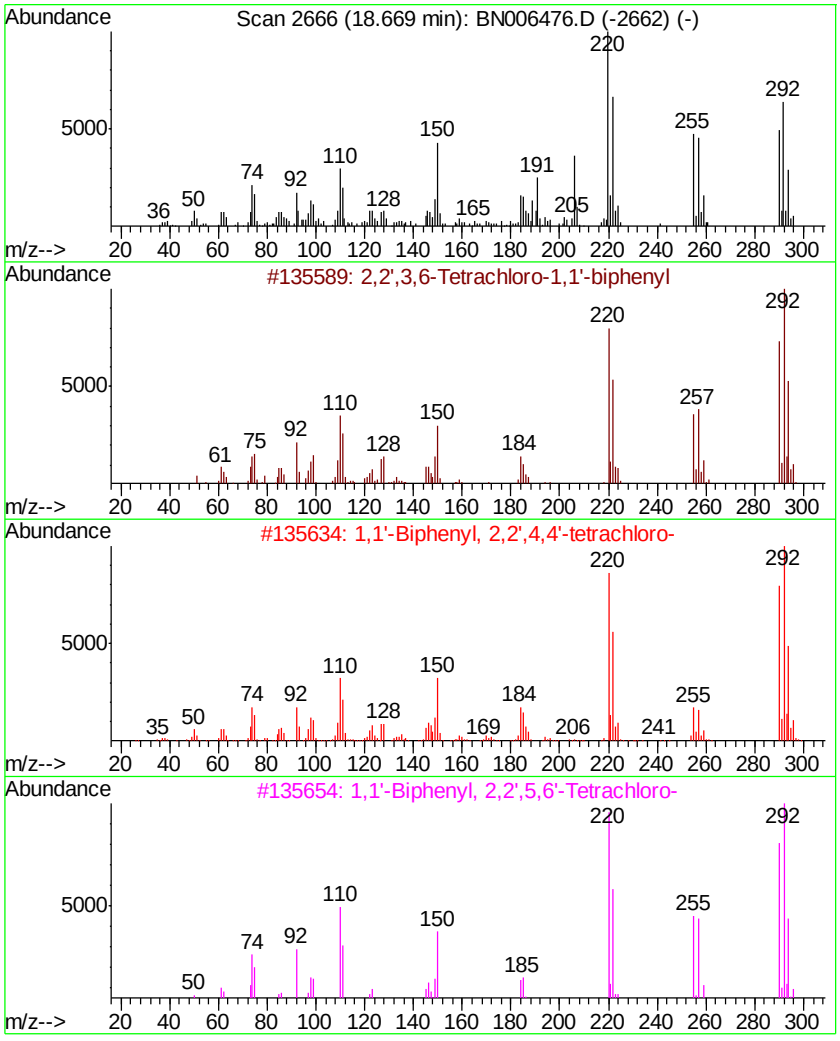
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

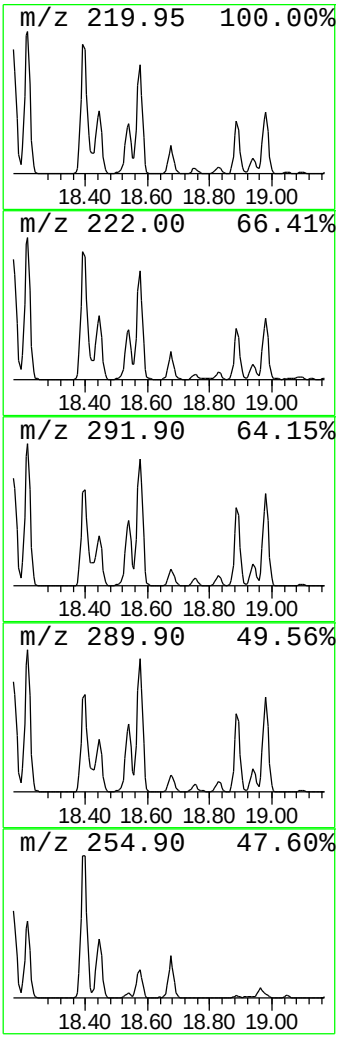
****

Peak Number 13 Biphenyl, 2,4,4',5-tetrachl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.43 ng/ul	433017	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99





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Instrument : BNA_N
ClientSampleId : A4235

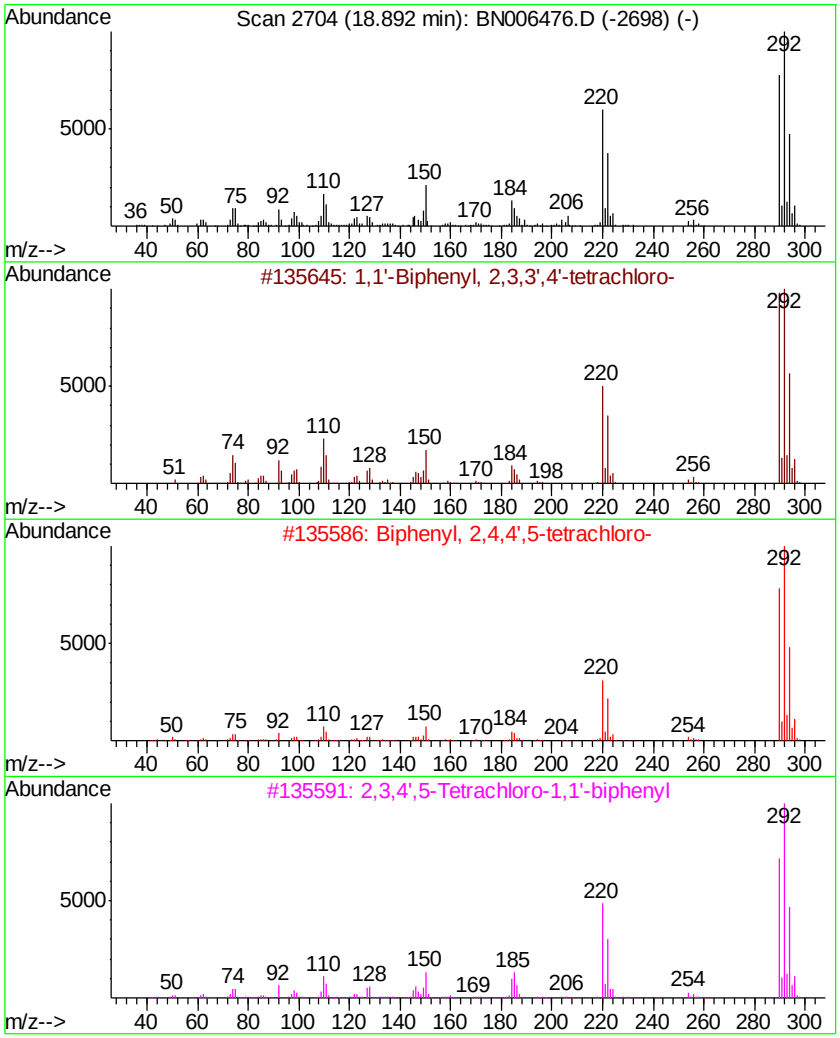
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

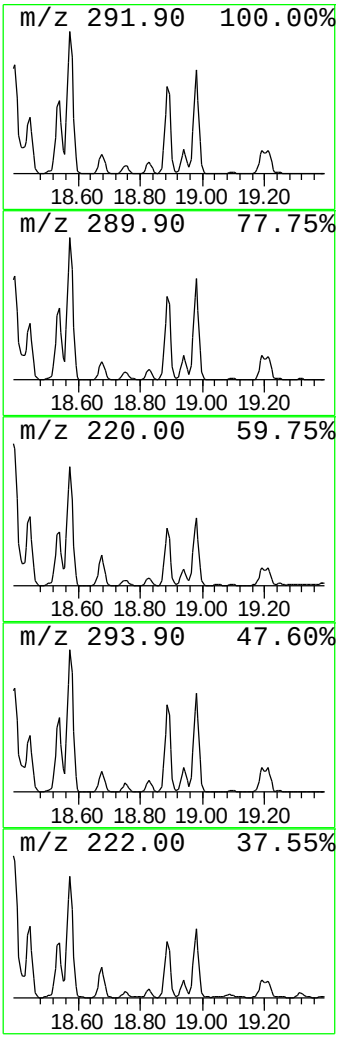
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	5.73 ng/ul	1022690	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
2	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
3	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99
4	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99





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Quant Title : SVOA CALIBRATION

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

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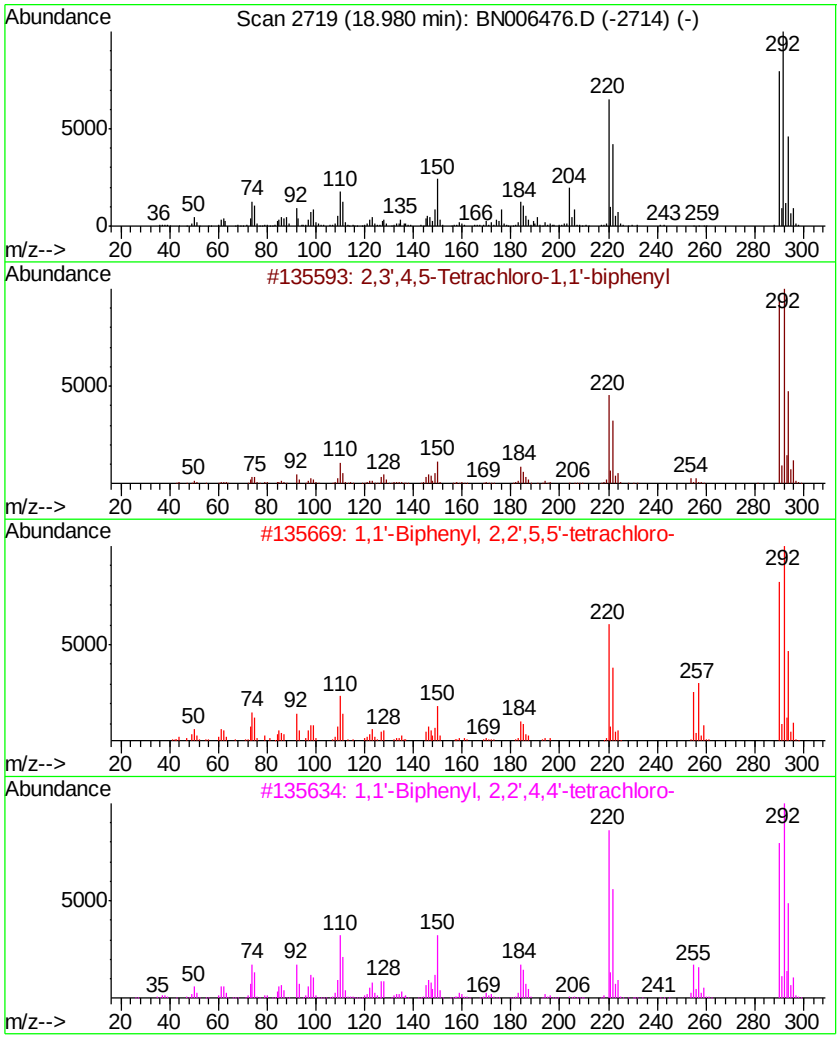
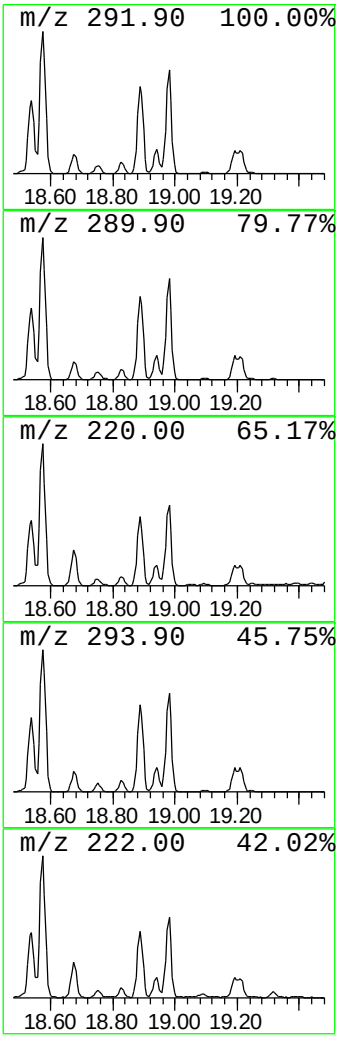
Peak Number 15 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	9.15 ng/ul	1632550	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99





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Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

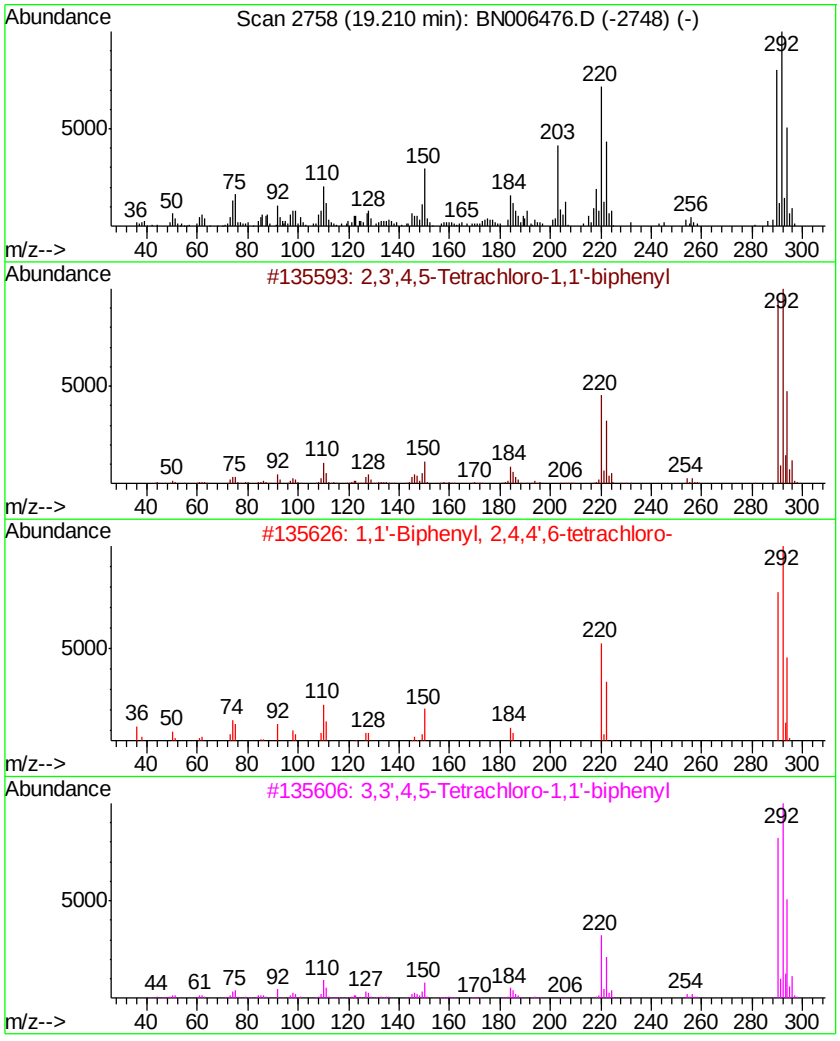
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

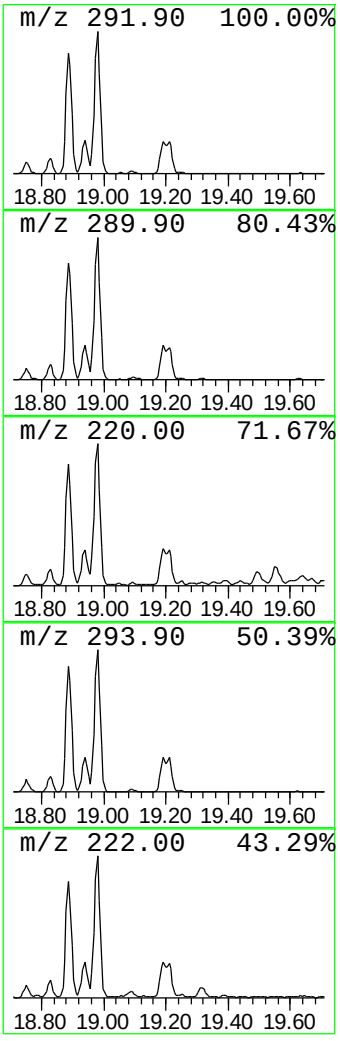
****

Peak Number 16 1,1'-Biphenyl, 2,4,4',6-tet... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	2.50 ng/ul	662185	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
2	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
5	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99





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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

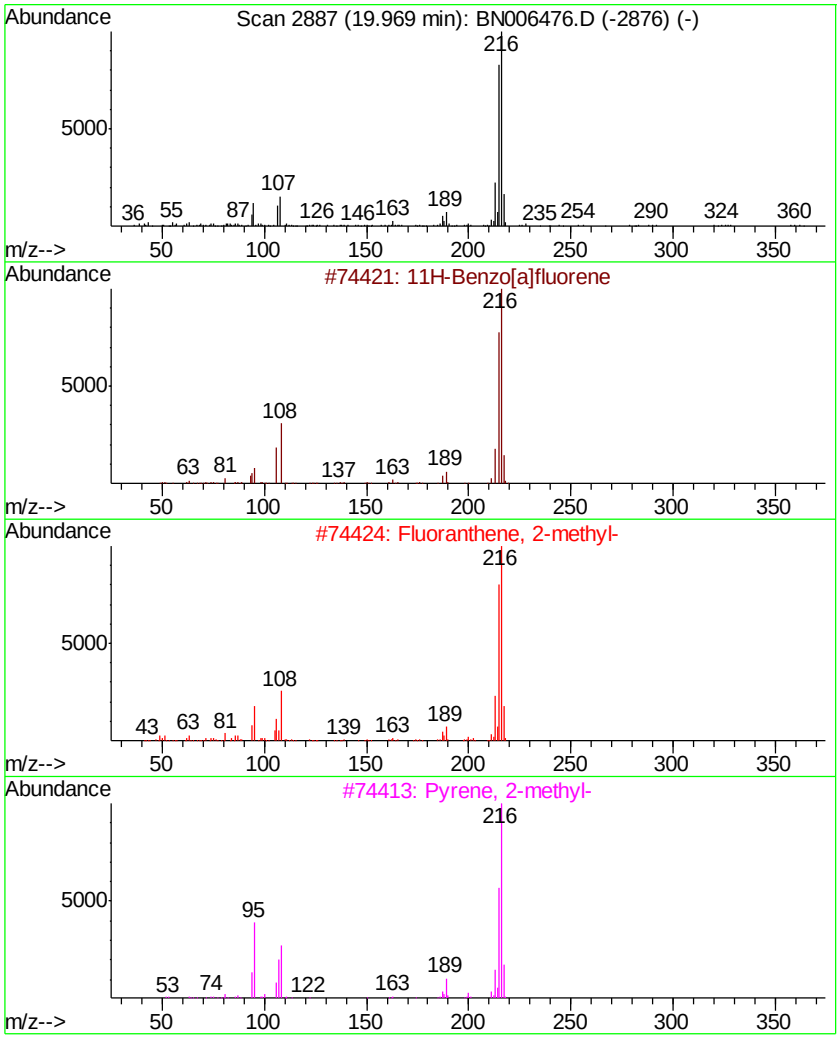
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

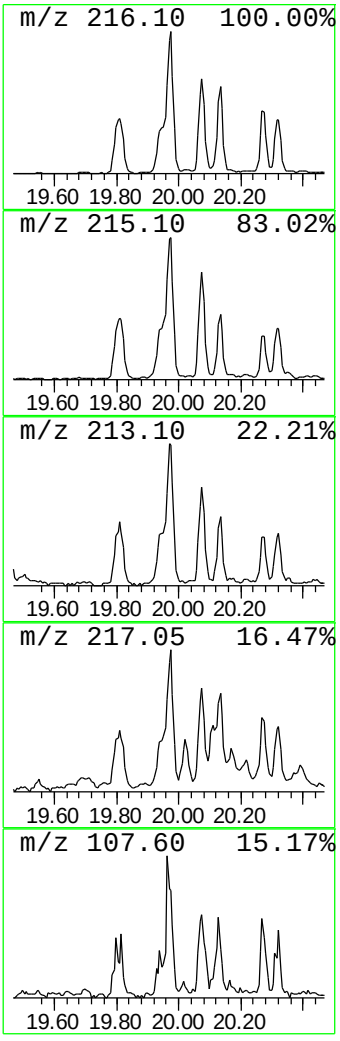
****

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	3.43 ng/ul	906728	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

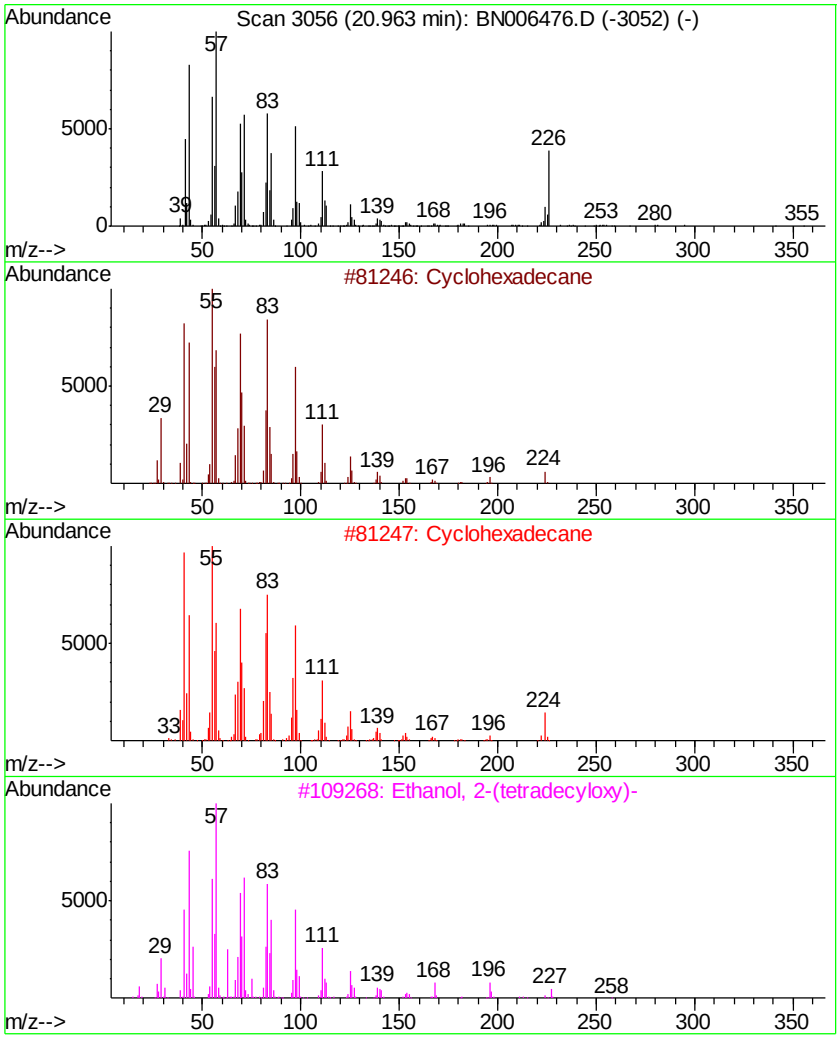
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

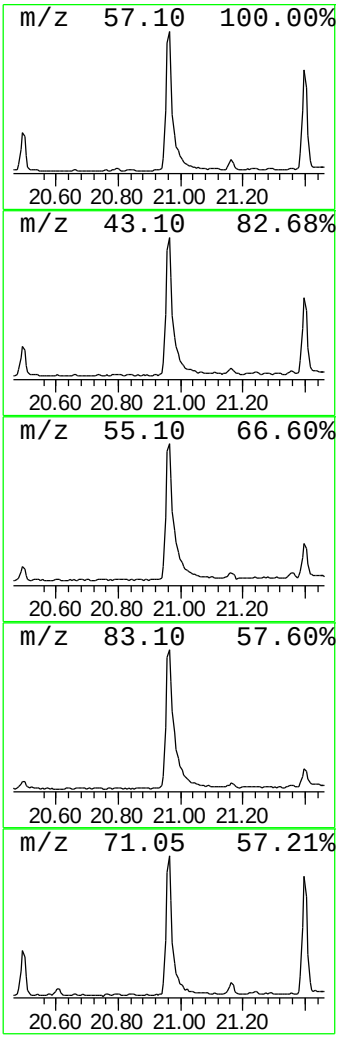
****

Peak Number 18 (DEL) Alkane: Cyclic20.96 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	6.61 ng/ul	1750940	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	90
2	Cyclohexadecane	224	C16H32	000295-65-8	90
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	76
4	Dotriacontyl heptafluorobutyrate	662	C36H65F7O2	1000351-84-2	70
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	68





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Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

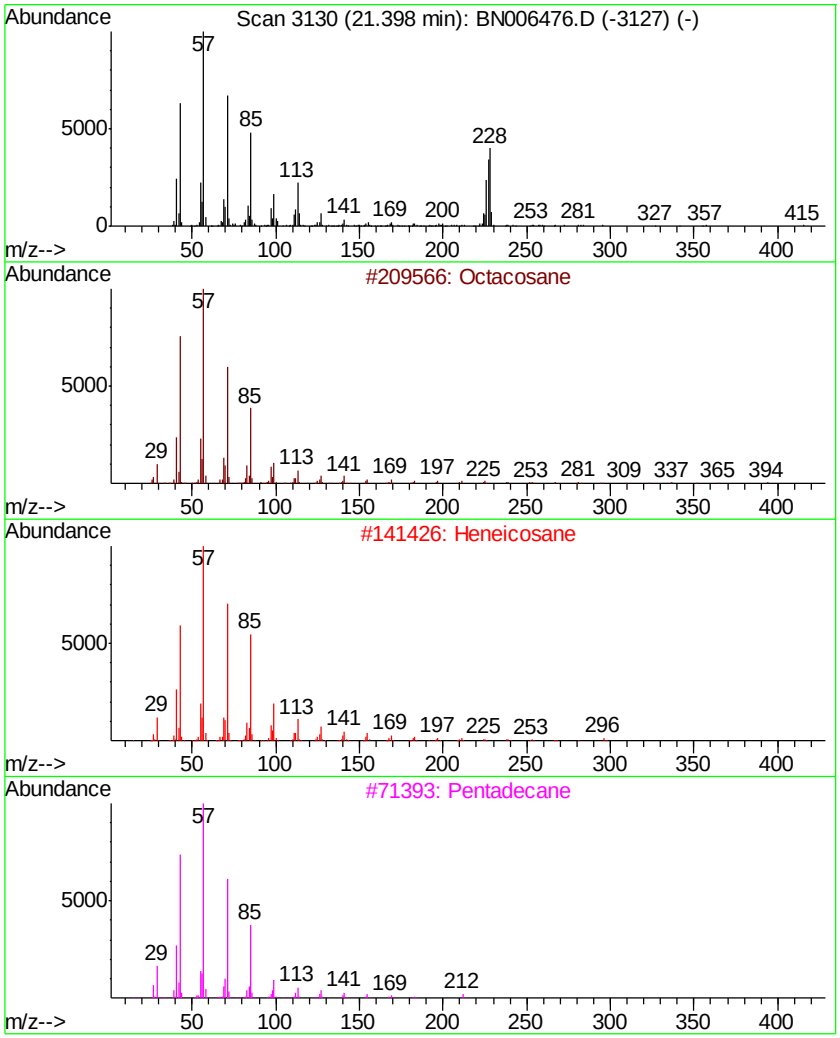
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

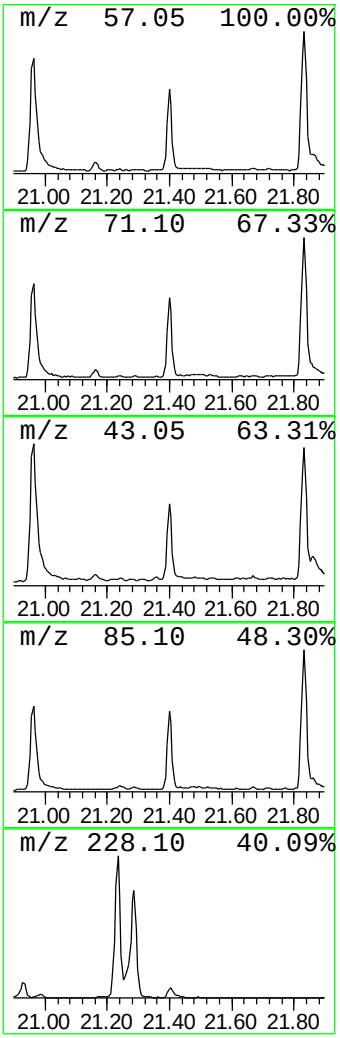
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.28 ng/ul	604739	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	50
2	Heneicosane	296	C21H44	000629-94-7	43
3	Pentadecane	212	C15H32	000629-62-9	41
4	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	38
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38





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Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

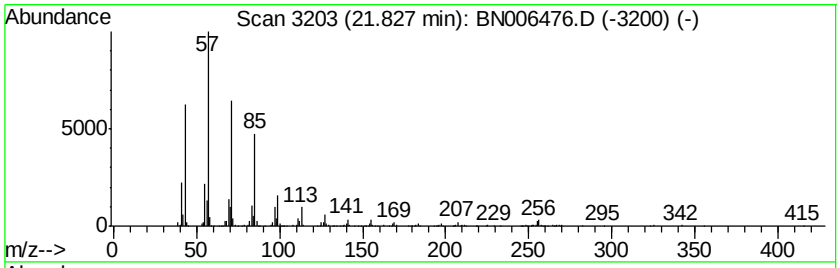
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

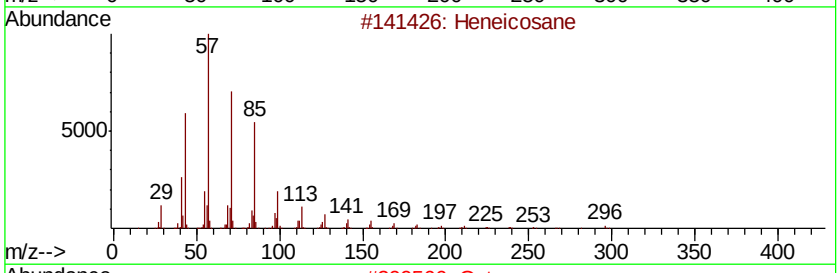
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

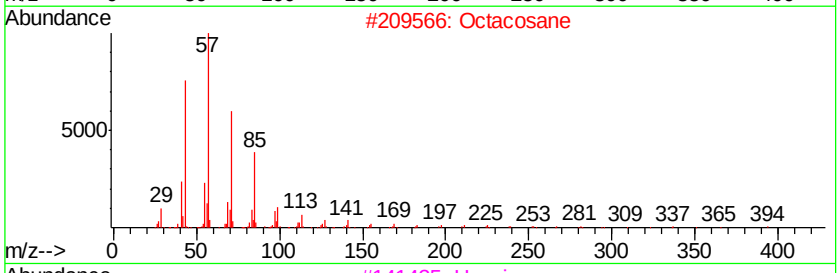
****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 17

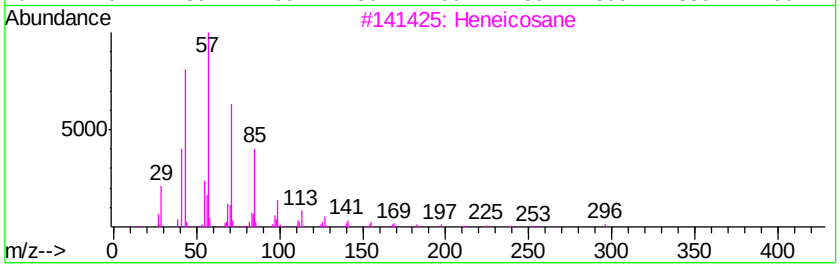
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.63 ng/ul	960610	Chrysene-d12	21.25

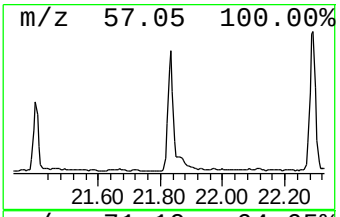
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetracosane	338	C24H50	000646-31-1	90

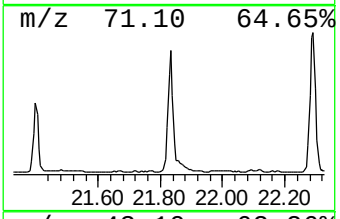


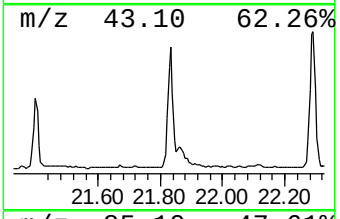


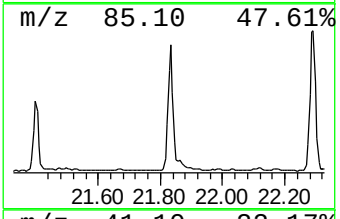


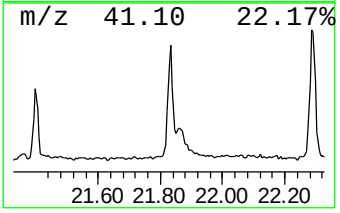












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062119\
Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

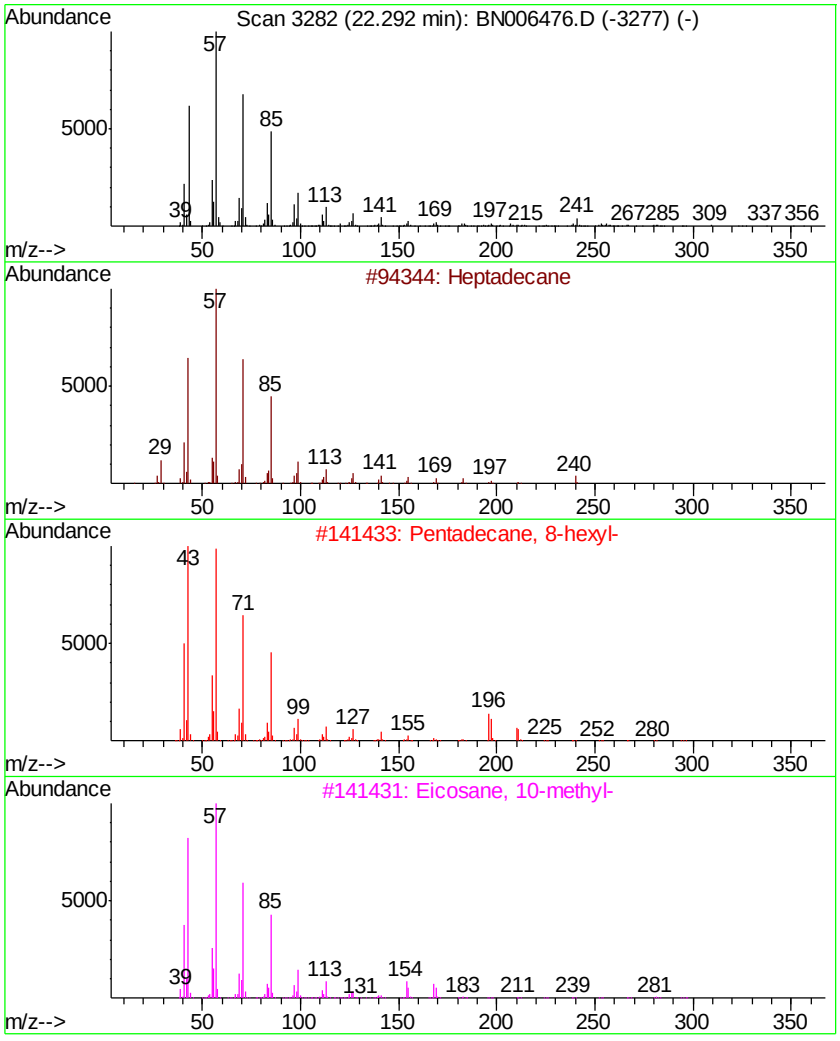
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

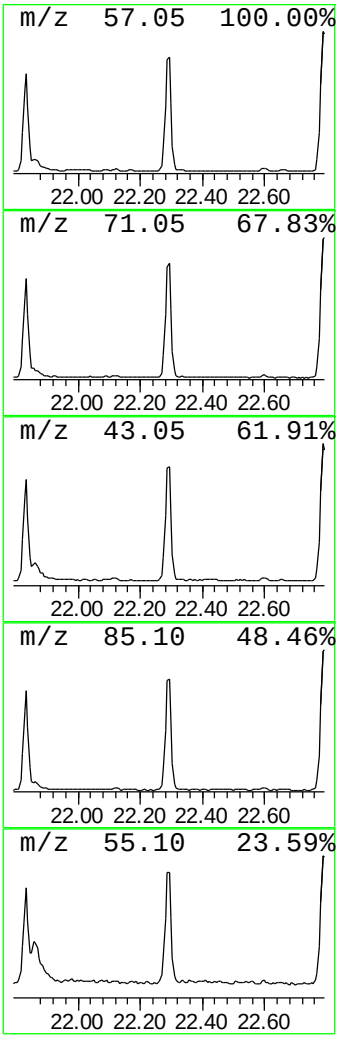
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.29	4.11 ng/ul	1088930	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Hexacosane	366	C26H54	000630-01-3	91
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91





Library Search Compound Report

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Data File : BN006476.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

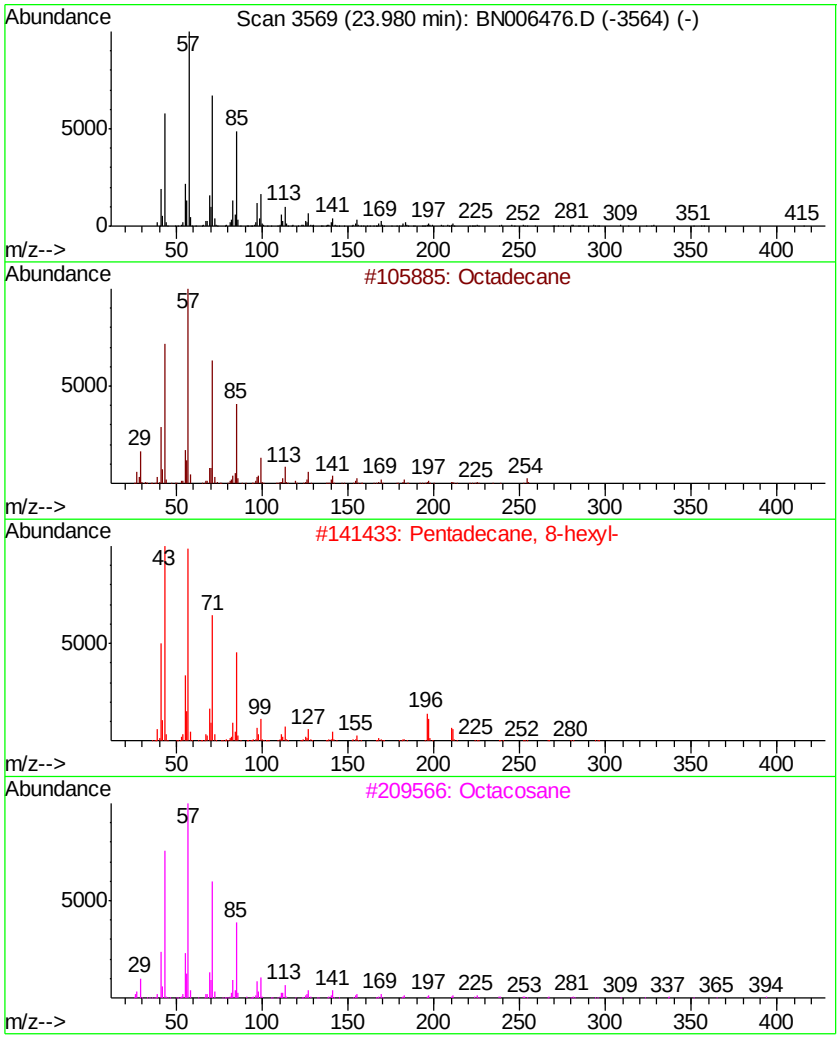
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

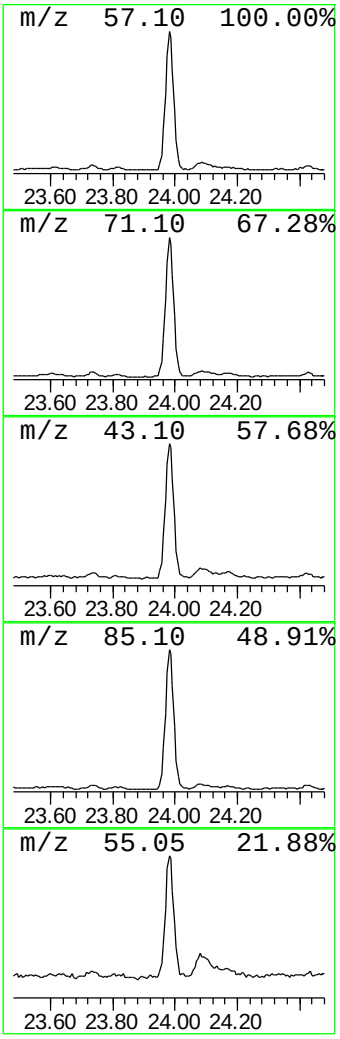
****

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	7.98 ng/ul	1148050	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
3	Octacosane	394	C28H58	000630-02-4	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	2-methyloctacosane	408	C29H60	1000376-72-8	91





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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

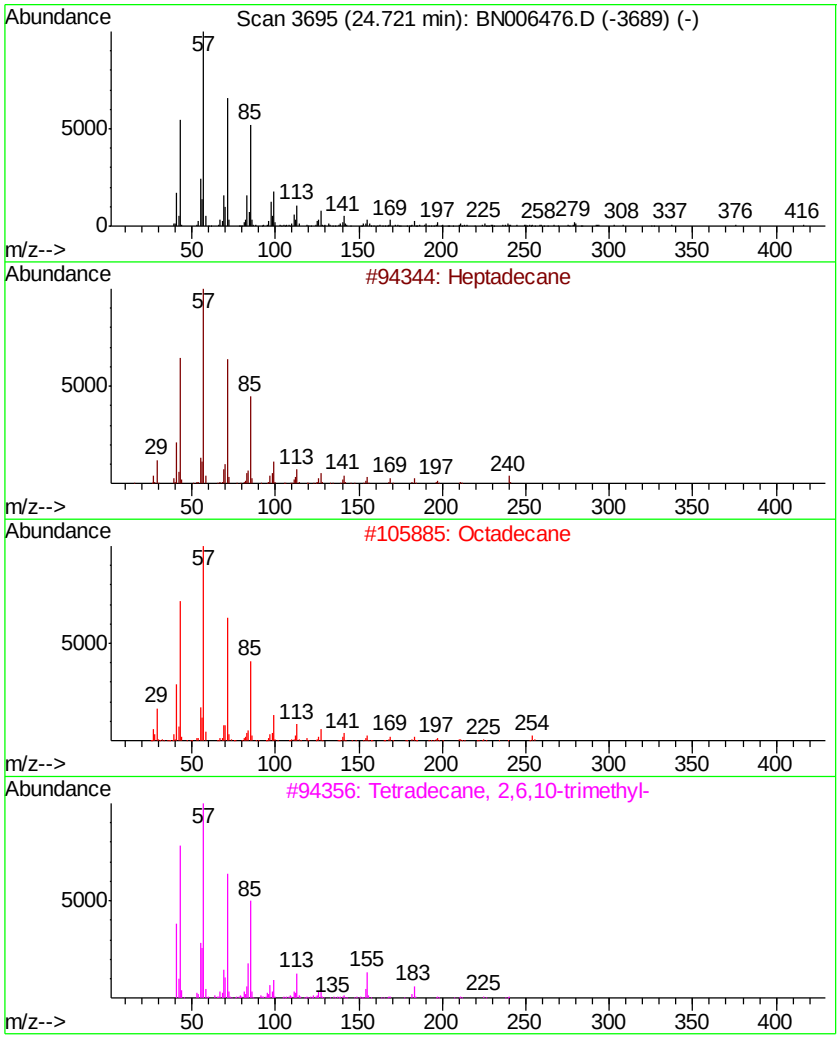
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION

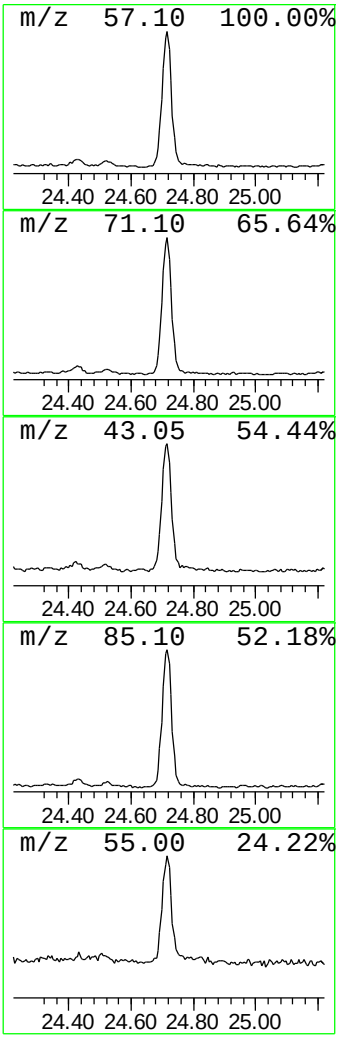
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.72	4.70 ng/ul	675944	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Octadecane	254	C18H38	000593-45-3	93
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetratetracontane	619	C44H90	007098-22-8	90





Tentatively Identified Compound (LSC) summary

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Data File : BN006476.D
Acq On : 21 Jun 2019 21:41
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.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
1,1'-Biphenyl, 2,...	16.56	6.6	ng/ul	1176820	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	17.64	4.4	ng/ul	786431	4	17.03	3567560	20.0
2,2',3,6-Tetrachl...	17.75	2.2	ng/ul	394400	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	17.83	2.3	ng/ul	404531	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	17.94	9.3	ng/ul	1655410	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	18.11	15.8	ng/ul	2808800	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	18.17	11.3	ng/ul	2023660	4	17.03	3567560	20.0
1,1'-Biphenyl, 3,...	18.22	11.9	ng/ul	2124890	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	18.39	13.3	ng/ul	2374550	4	17.03	3567560	20.0
2,2',4,6'-Tetrach...	18.45	5.4	ng/ul	960297	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	18.54	4.5	ng/ul	801046	4	17.03	3567560	20.0
2,3',4,5'-Tetrach...	18.57	9.7	ng/ul	1736220	4	17.03	3567560	20.0
Biphenyl, 2,4,4',...	18.67	2.4	ng/ul	433017	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	18.89	5.7	ng/ul	1022690	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	18.98	9.2	ng/ul	1632550	4	17.03	3567560	20.0
1,1'-Biphenyl, 2,...	19.21	2.5	ng/ul	662185	5	21.25	5294220	20.0
11H-Benzo[a]fluorene	19.97	3.4	ng/ul	906728	5	21.25	5294220	20.0
(DEL) Alkane: Cyc...	20.96	6.6	ng/ul	1750940	5	21.25	5294220	20.0
(DEL) Alkane: Str...	21.40	2.3	ng/ul	604739	5	21.25	5294220	20.0
(DEL) Alkane: Str...	21.83	3.6	ng/ul	960610	5	21.25	5294220	20.0
(DEL) Alkane: Str...	22.29	4.1	ng/ul	1088930	5	21.25	5294220	20.0
(DEL) Alkane: Str...	23.98	8.0	ng/ul	1148050	6	23.47	2877020	20.0
(DEL) Alkane: Str...	24.72	4.7	ng/ul	675944	6	23.47	2877020	20.0