LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
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_M\METHODS\SOM-EPA-BM061419MA.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	3.023	3	6	24	rVB	3933828	5081856	100.00%	5.781%
2	3.287	49	51	56	rVB	33514	40616	0.80%	0.046%
3	3.799	135	138	142	rVB	34786	40103	0.79%	0.046%
4	3.911	154	157	162	rVB2	31264	43067	0.85%	0.049%
5	4.905	323	326	334	rVB	27950	43874	0.86%	0.050%
6	6.940	666	672	683	rBV	568479	932621	18.35%	1.061%
7	7.116	696	702	712	rBV	499018	770343	15.16%	0.876%
8	7.305	728	734	744	rVB	618299	959124	18.87%	1.091%
9	7.775	807	814	820	rBV	926614	1447484	28.48%	1.647%
10	8.475	926	933	942	rBV	613421	962138	18.93%	1.094%
11	8.934	1005	1011	1022	rBV	619559	1018185	20.04%	1.158%
12	9.652	1127	1133	1145	rBV	522933	827923	16.29%	0.942%
13	10.181	1217	1223	1239	rBV	757301	1275079	25.09%	1.450%
14	10.563	1280	1288	1294	rBV	1305438	2167267	42.65%	2.465%
15	10.710	1304	1313	1326	rBV	510807	958123	18.85%	1.090%
16	13.828	1837	1843	1847	rVV	1425543	2010052	39.55%	2.287%
17	13.875	1847	1851	1857	rVB	580619	791200	15.57%	0.900%
18	14.104	1883	1890	1902	rBV	1615303	2439008	47.99%	2.775%
19	14.416	1935	1943	1950	rBV2	1869709	2914853	57.36%	3.316%
20	14.475	1950	1953	1960	rVB	51859	72832	1.43%	0.083%
21	14.622	1972	1978	1990	rBV	290397	536967	10.57%	0.611%
22	14.816	2000	2011	2015	rBV2	47454	89711	1.77%	0.102%
23	15.204	2071	2077	2083	rBV2	22221	38048	0.75%	0.043%
24	15.410	2105	2112	2117	rBV	2067484	2982600	58.69%	3.393%
25	15.463	2117	2121	2127	rVV2	89939	134712	2.65%	0.153%
26	15.533	2127	2133	2139	rVV	414519	573379	11.28%	0.652%
27	15.669	2146	2156	2161	rVV4	70004	136315	2.68%	0.155%
28	15.757	2165	2171	2177	rVB	28775	45770	0.90%	0.052%
29	15.904	2189	2196	2203	rVV	24898	50858	1.00%	0.058%
30	16.469	2283	2292	2297	rBV4	31203	65768	1.29%	0.075%
31	16.692	2324	2330	2335	rBV	809525	1088039	21.41%	1.238%
32	16.816	2347	2351	2358	rVB3	25406	43189	0.85%	0.049%
33	16.886	2358	2363	2365	rBV3	21341	30663	0.60%	0.035%
34	16.910	2365	2367	2371	rVV4	23088	29107	0.57%	0.033%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
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_M\METHODS\SOM-EPA-BM061419MA.M
Title : SVOA CALIBRATION

35	16.980	2375	2379	2386	rVB	44782	66663	1.31%	0.076%
36	17.075	2390	2395	2400	rVB	84065	108504	2.14%	0.123%
37	17.163	2403	2410	2413	rBV	2320214	3361806	66.15%	3.824%
38	17.204	2413	2417	2421	rVV	984342	1600271	31.49%	1.820%
39	17.257	2421	2426	2431	rVV	1895925	2672757	52.59%	3.040%
40	17.339	2435	2440	2447	rVB	964085	1322096	26.02%	1.504%
41	17.539	2468	2474	2477	rBV3	45998	74262	1.46%	0.084%
42	17.569	2477	2479	2483	rVV	51011	64263	1.26%	0.073%
43	17.645	2488	2492	2495	rVB4	32364	44403	0.87%	0.051%
44	17.686	2495	2499	2505	rBV3	32720	70047	1.38%	0.080%
45	17.763	2505	2512	2518	rVB	458536	689611	13.57%	0.784%
46	17.875	2526	2531	2537	rBV2	237565	337031	6.63%	0.383%
47	17.951	2537	2544	2548	rBV	263176	347838	6.84%	0.396%
48	18.010	2548	2554	2556	rBV	148614	211324	4.16%	0.240%
49	18.057	2556	2562	2571	rVB3	543621	1307951	25.74%	1.488%
50	18.169	2576	2581	2585	rBV2	148812	206607	4.07%	0.235%
51	18.227	2585	2591	2596	rBV2	1850149	2487052	48.94%	2.829%
52	18.286	2596	2601	2605	rVV2	1251222	1734191	34.13%	1.973%
53	18.333	2605	2609	2615	rVB	1486488	1928348	37.95%	2.194%
54	18.516	2634	2640	2645	rBV2	1295378	2088080	41.09%	2.375%
55	18.563	2645	2648	2654	rVB2	605465	782527	15.40%	0.890%
56	18.616	2654	2657	2659	rBV3	49760	55869	1.10%	0.064%
57	18.651	2659	2663	2666	rVV	548644	687665	13.53%	0.782%
58	18.686	2666	2669	2676	rVB	1134751	1492580	29.37%	1.698%
59	18.757	2677	2681	2682	rBV4	33160	39483	0.78%	0.045%
60	18.792	2682	2687	2691	rVB2	271778	370935	7.30%	0.422%
61	18.833	2691	2694	2696	rBV	30576	36758	0.72%	0.042%
62	18.863	2696	2699	2704	rVB3	80333	110999	2.18%	0.126%
63	18.945	2708	2713	2718	rBV3	150757	322562	6.35%	0.367%
64	18.998	2718	2722	2727	rVV	640593	818161	16.10%	0.931%
65	19.045	2727	2730	2732	rVV2	160969	209746	4.13%	0.239%
66	19.086	2732	2737	2746	rVB3	899375	1415468	27.85%	1.610%
67	19.163	2746	2750	2752	rBV2	81037	94512	1.86%	0.108%
68	19.216	2753	2759	2766	rVB	1922198	2632477	51.80%	2.995%
69	19.321	2766	2777	2780	rBV5	283206	673875	13.26%	0.767%
70	19.357	2780	2783	2789	rVB2	197682	296672	5.84%	0.337%
71	19.421	2789	2794	2798	rBV4	111264	168679	3.32%	0.192%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
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_M\METHODS\SOM-EPA-BM061419MA.M
Title : SVOA CALIBRATION

72	19.551	2810	2816	2819	rBV	2507457	3623466	71.30%	4.122%
73	19.580	2819	2821	2827	rVV	1677616	1996928	39.30%	2.272%
74	19.651	2830	2833	2838	rVB2	77942	115159	2.27%	0.131%
75	19.698	2838	2841	2844	rBV2	63888	71783	1.41%	0.082%
76	19.757	2846	2851	2855	rBV	91568	153297	3.02%	0.174%
77	19.804	2855	2859	2865	rBV2	114676	216589	4.26%	0.246%
78	19.904	2871	2876	2882	rBV3	105823	259828	5.11%	0.296%
79	20.074	2894	2905	2910	rBV2	253573	624935	12.30%	0.711%
80	20.116	2910	2912	2918	rVB2	131036	152598	3.00%	0.174%
81	20.174	2918	2922	2926	rBV	158184	208839	4.11%	0.238%
82	20.233	2926	2932	2936	rBV2	147524	245415	4.83%	0.279%
83	20.374	2952	2956	2960	rBV	85237	120004	2.36%	0.137%
84	20.421	2960	2964	2968	rVB2	165826	223492	4.40%	0.254%
85	20.586	2989	2992	2995	rVB	72487	73638	1.45%	0.084%
86	20.657	3002	3004	3009	rBV6	33511	44040	0.87%	0.050%
87	20.821	3029	3032	3038	rVB	101702	140250	2.76%	0.160%
88	20.986	3057	3060	3063	rVB	97314	111998	2.20%	0.127%
89	21.045	3064	3070	3079	rVV4	501576	984931	19.38%	1.120%
90	21.115	3080	3082	3093	rVB	121638	197920	3.89%	0.225%
91	21.339	3113	3120	3124	rBV2	2754011	4590964	90.34%	5.223%
92	21.374	3124	3126	3134	rVB	785085	944598	18.59%	1.075%
93	21.486	3141	3145	3152	rBV2	202253	290739	5.72%	0.331%
94	21.921	3216	3219	3222	rBV	230969	266556	5.25%	0.303%
95	22.392	3295	3299	3304	rBV	400537	530857	10.45%	0.604%
96	22.927	3382	3390	3403	rVB2	663901	2672847	52.60%	3.041%
97	23.415	3469	3473	3476	rBV	313105	487814	9.60%	0.555%
98	23.468	3476	3482	3487	rBV	1650474	3094537	60.89%	3.520%
99	23.609	3500	3506	3513	rBV	1664792	3235397	63.67%	3.680%
100	24.133	3591	3595	3604	rVB	339005	654950	12.89%	0.745%

Sum of corrected areas: 87907316

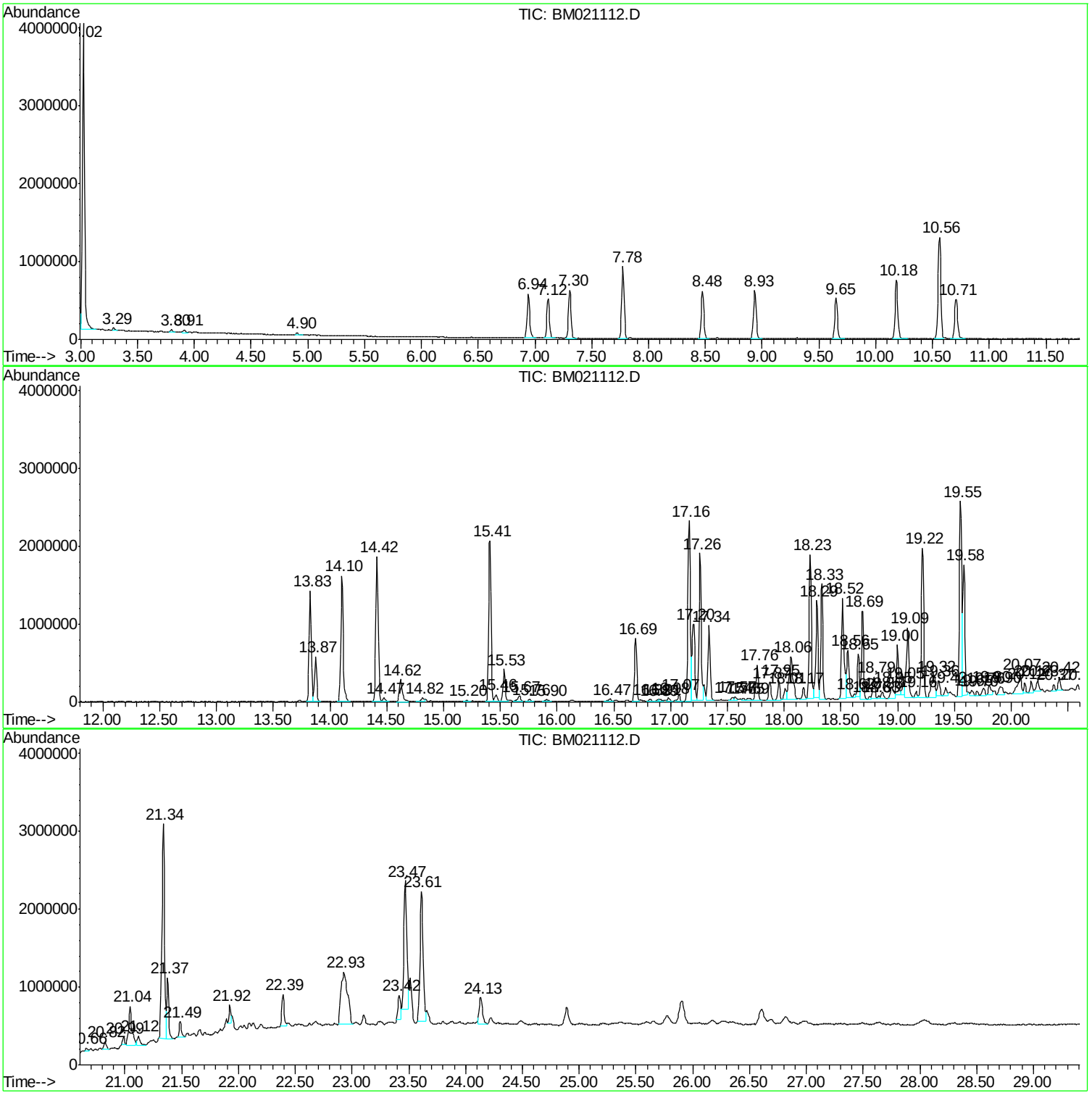
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

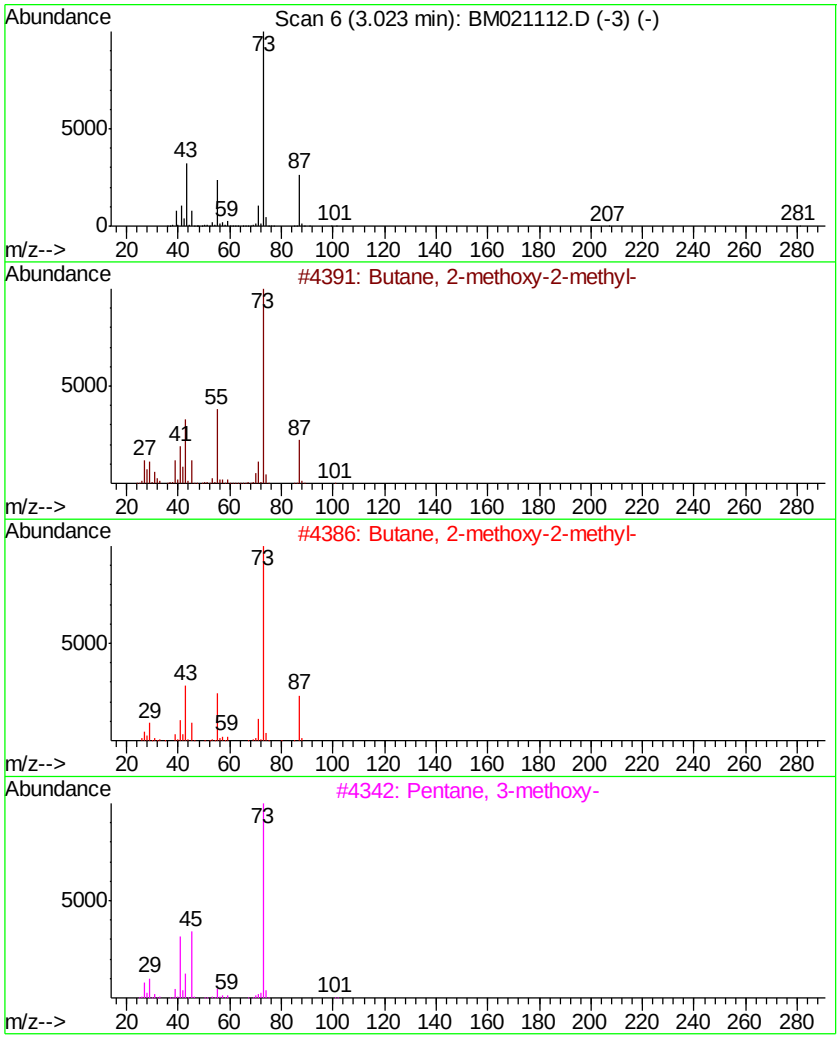
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

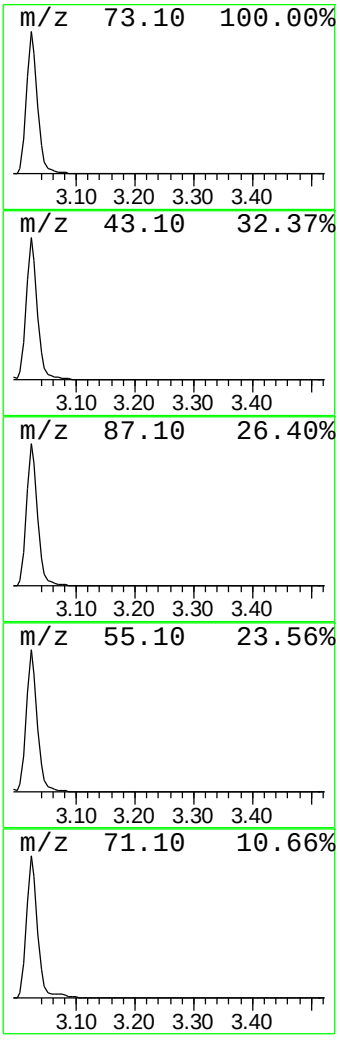
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	70.22 ng/ul	5081860	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

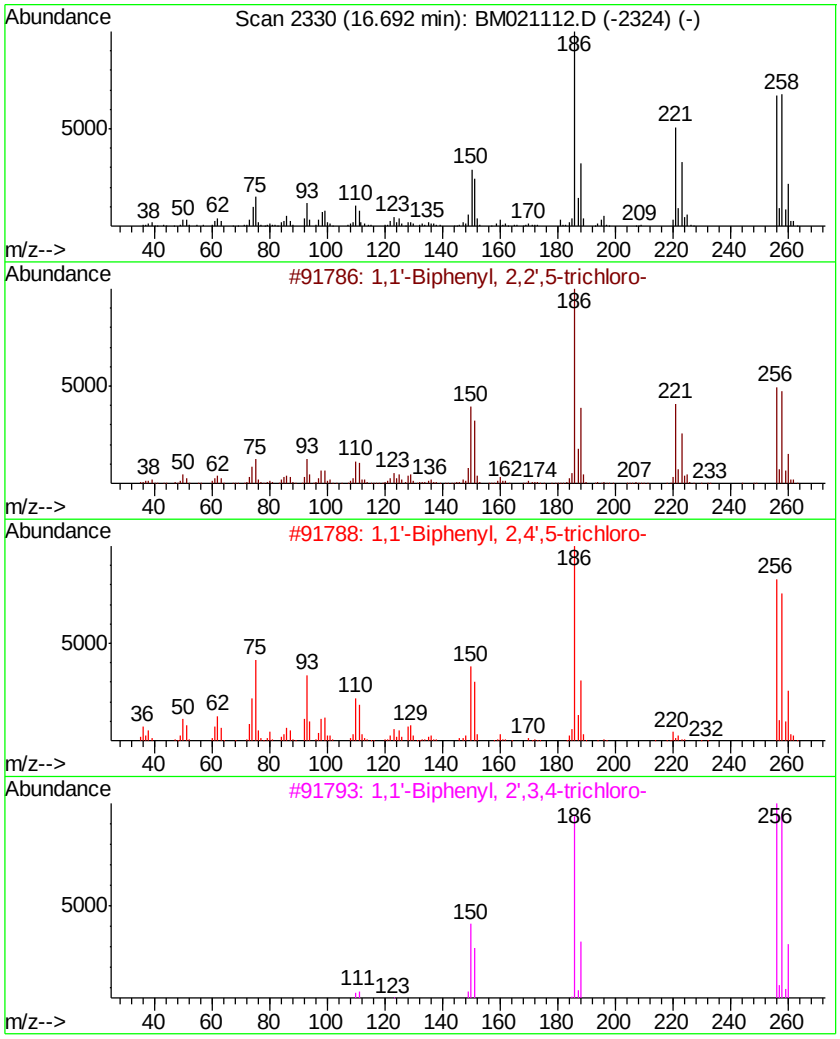
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

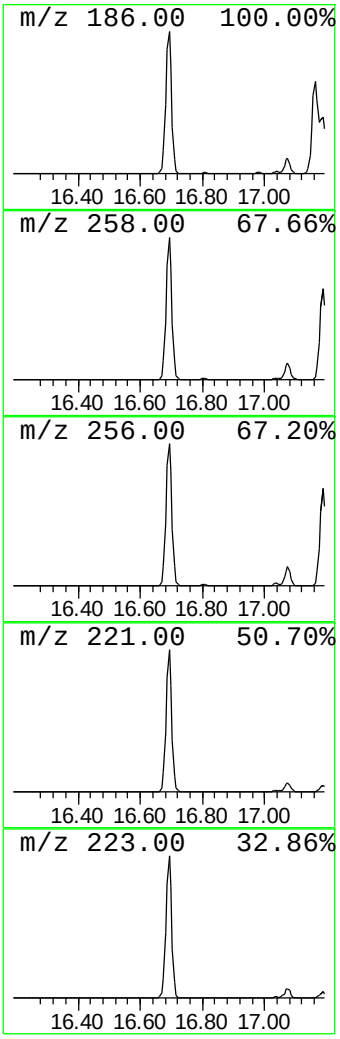
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	6.47 ng/ul	1088040	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	97
4	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	96
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
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Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

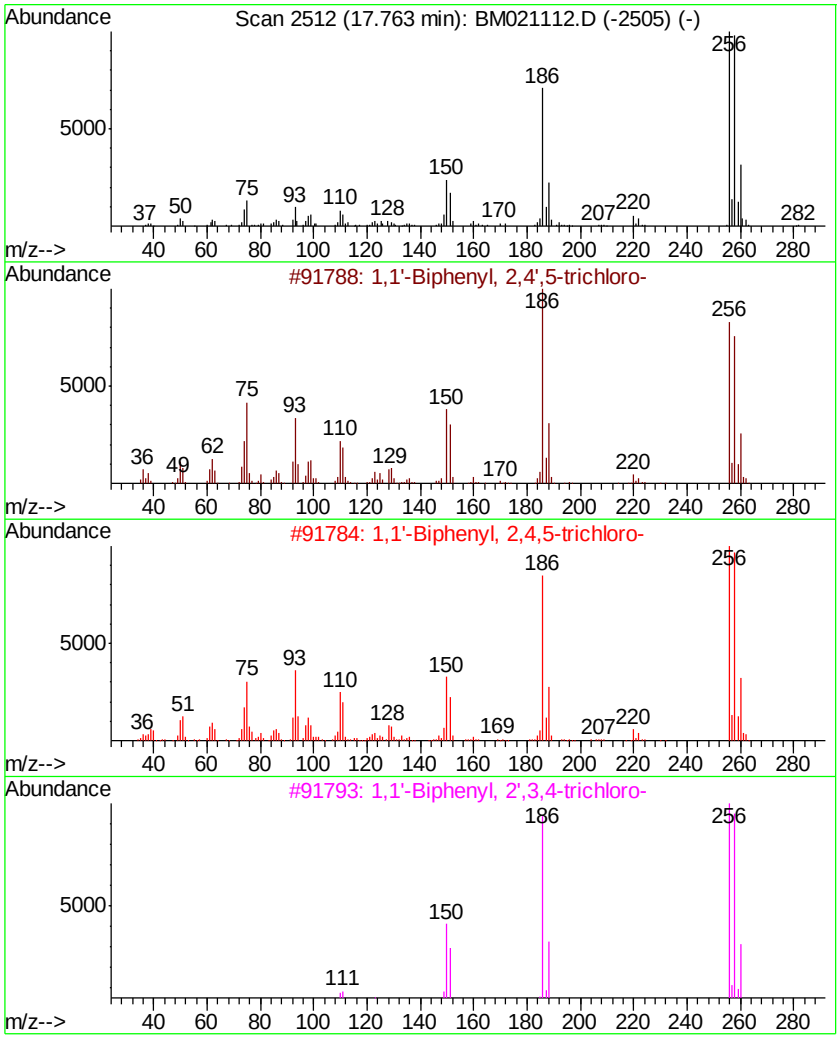
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

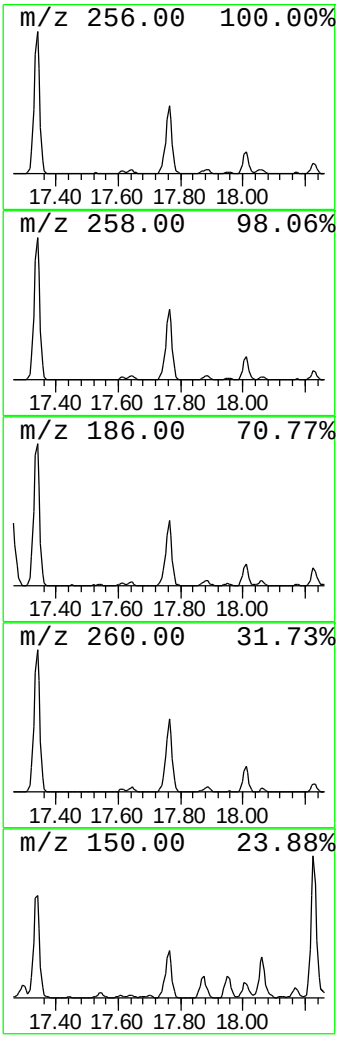
****

Peak Number 3 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	4.10 ng/ul	689611	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	97
5	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
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Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

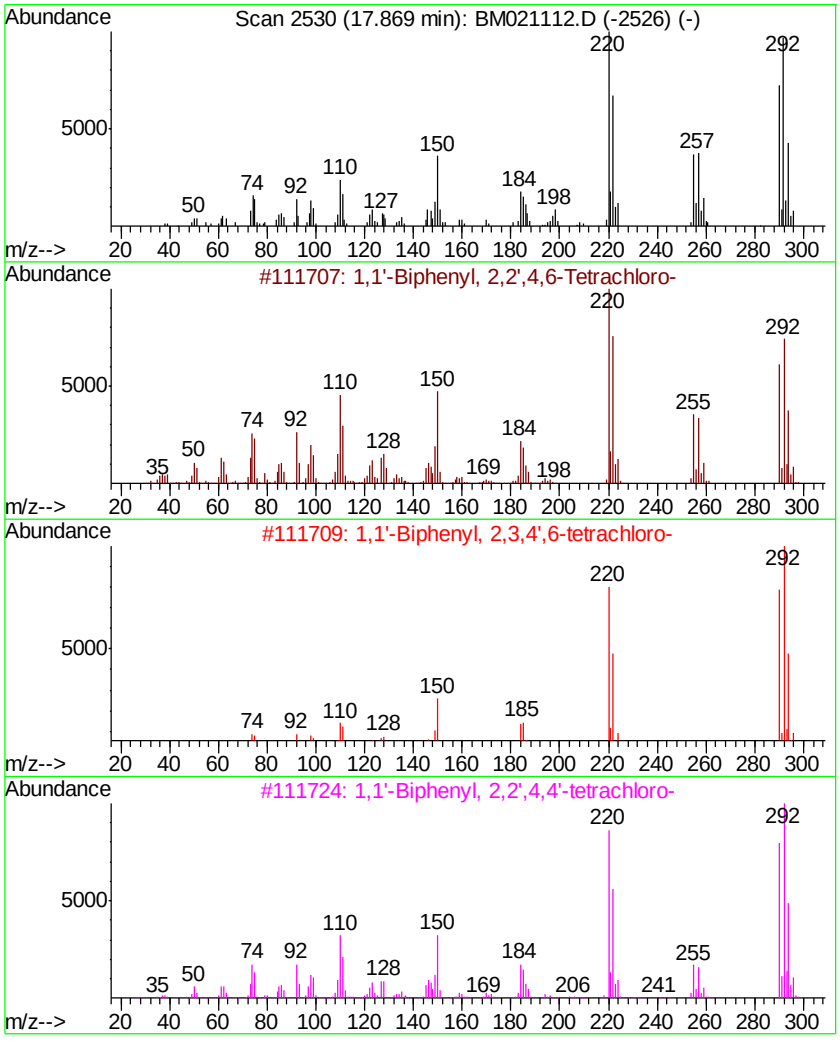
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

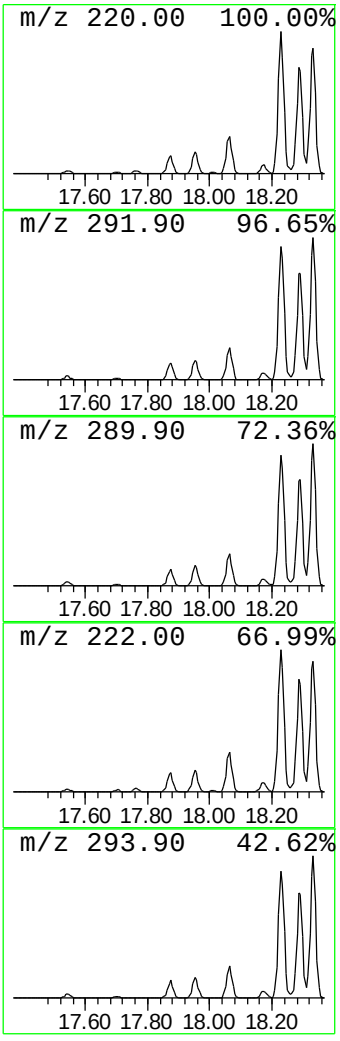
****

Peak Number 4 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.01 ng/ul	337031	Phenanthrene-d10	17.16

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

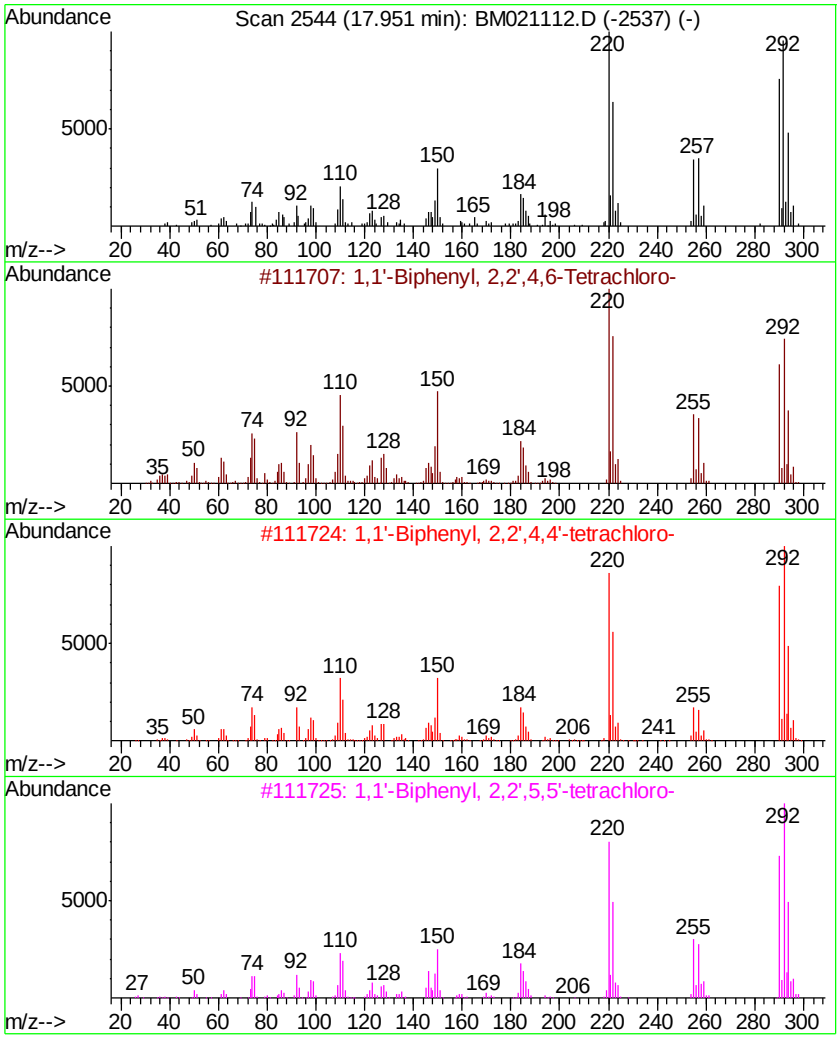
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

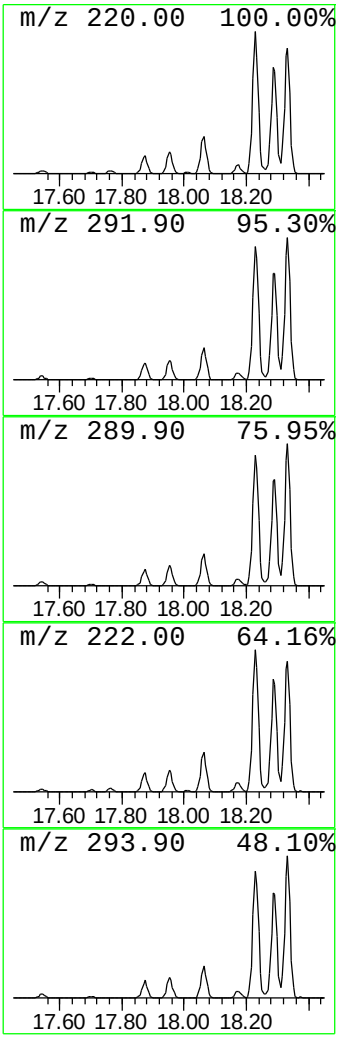
****

Peak Number 5 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	2.07 ng/ul	347838	Phenanthrene-d10	17.16

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',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99





Library Search Compound Report

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Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

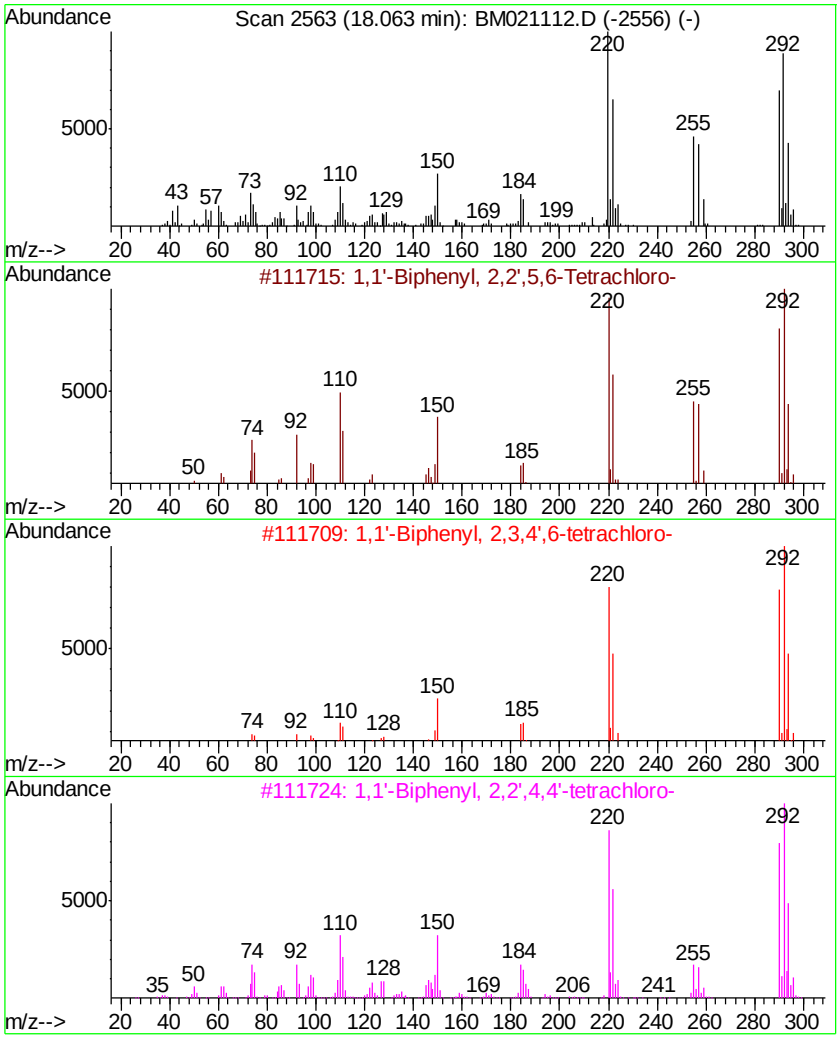
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

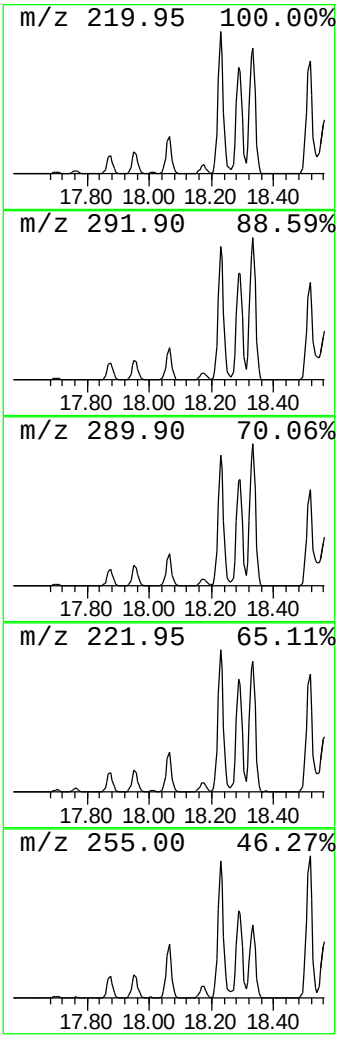
****

Peak Number 6 1,1'-Biphenyl, 2,2',5,6-Tet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.78 ng/ul	1307950	Phenanthrene-d10	17.16

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, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

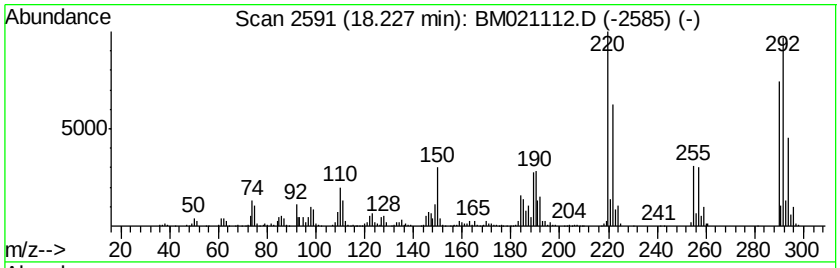
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

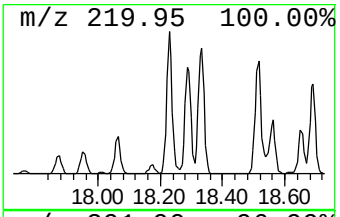
****

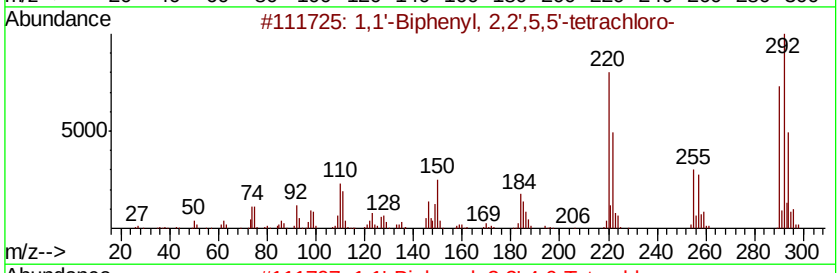
Peak Number 7 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 2

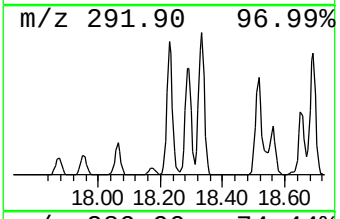
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	14.80 ng/ul	2487050	Phenanthrene-d10	17.16

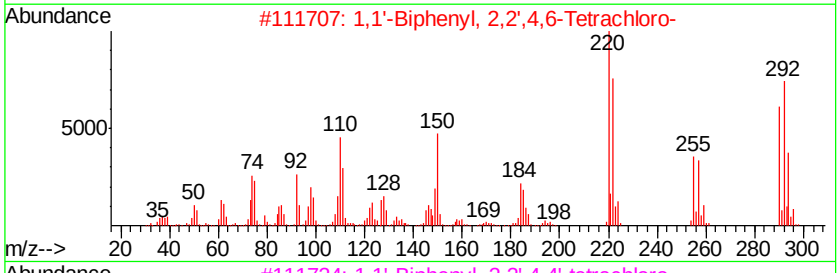
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99

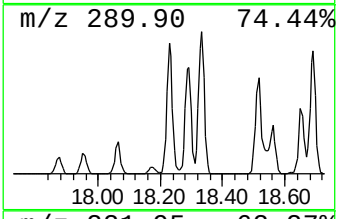


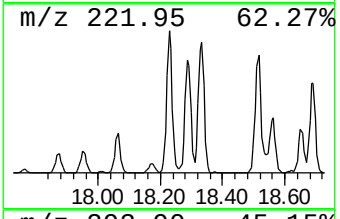


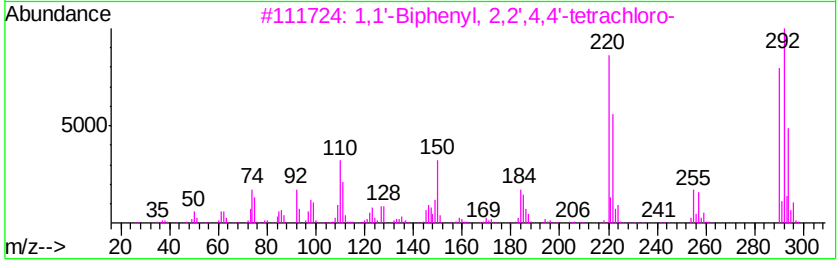


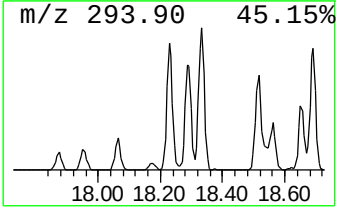












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

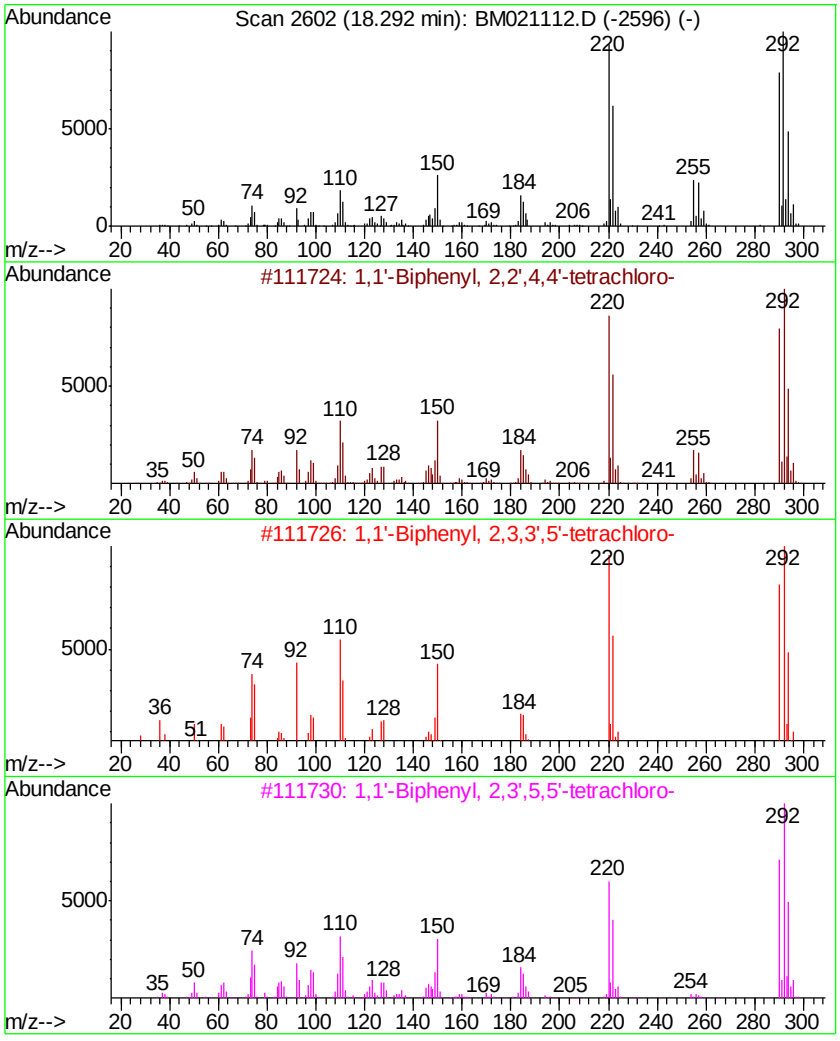
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

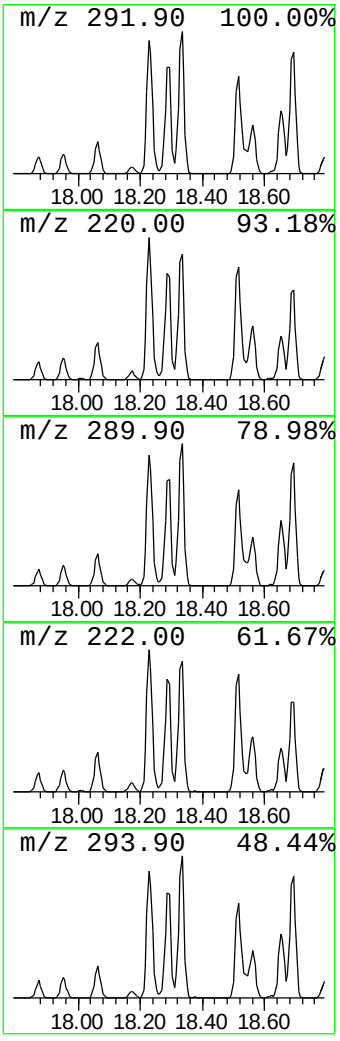
****

Peak Number 8 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	10.32 ng/ul	1734190	Phenanthrene-d10	17.16

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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99





Library Search Compound Report

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Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

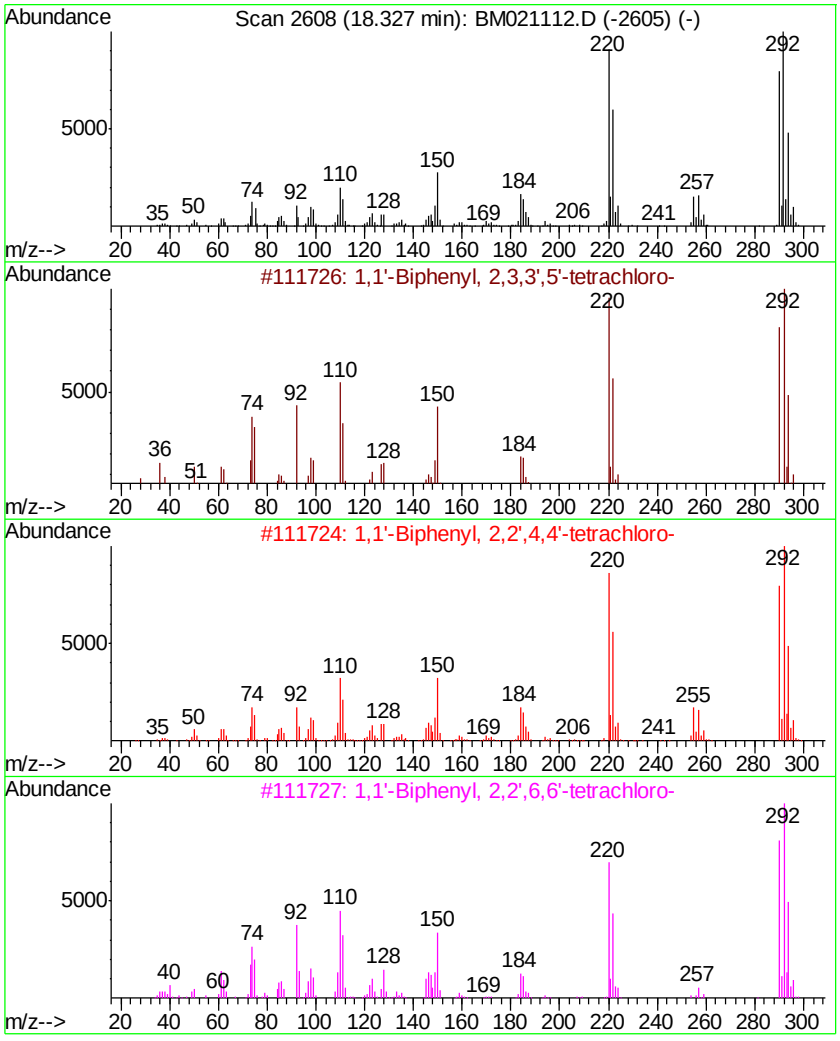
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

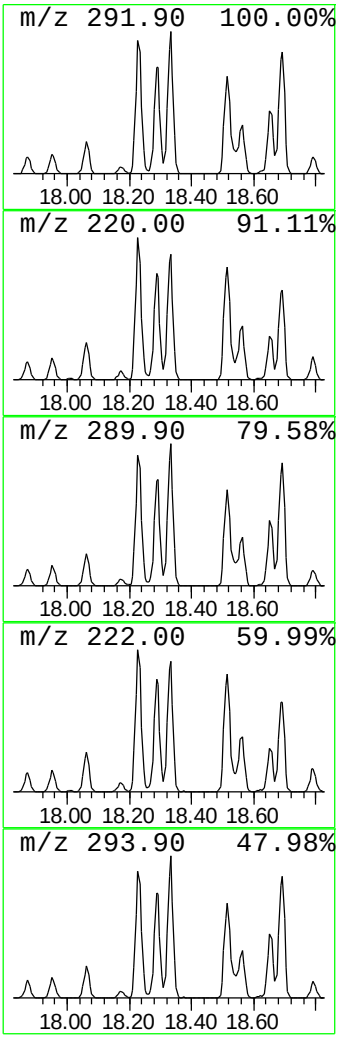
****

Peak Number 9 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	11.47 ng/ul	1928350	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98





Library Search Compound Report

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Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

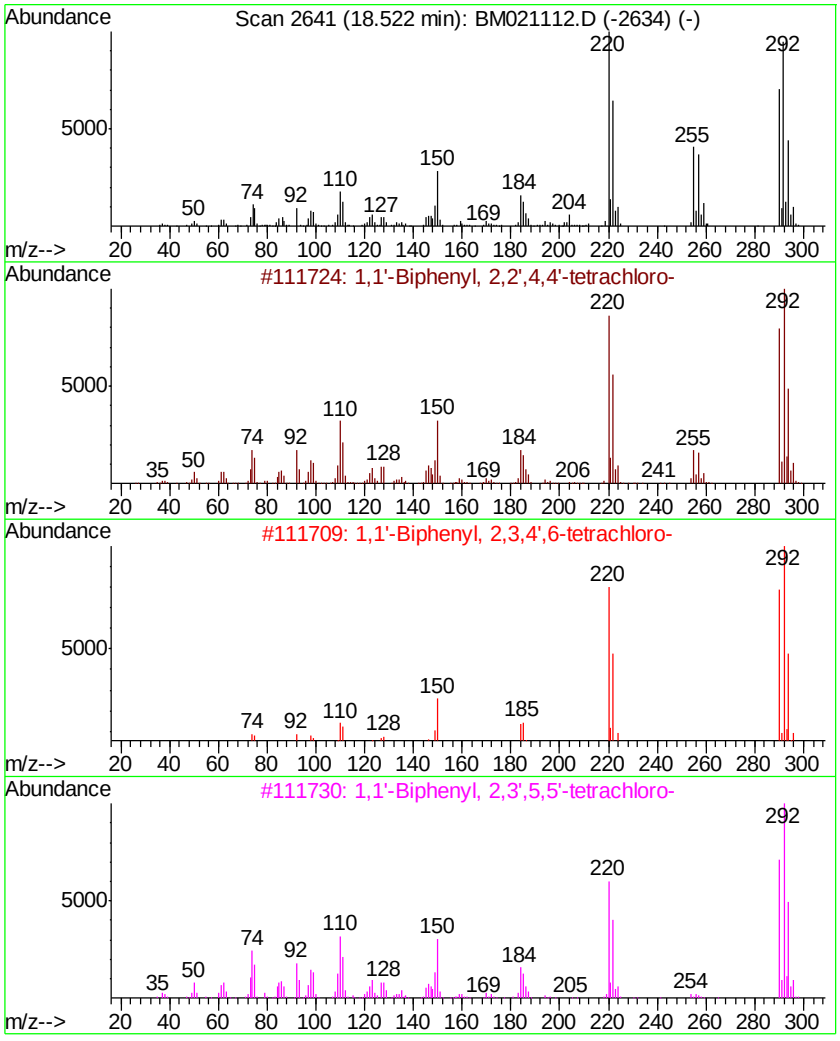
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

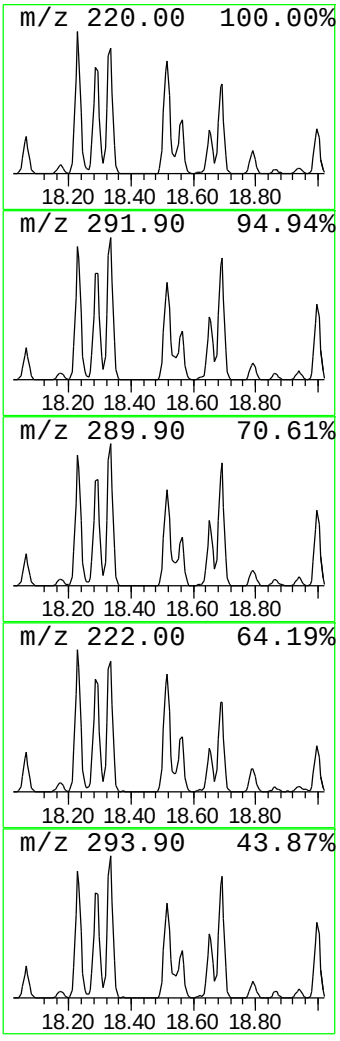
****

Peak Number 10 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	12.42 ng/ul	2088080	Phenanthrene-d10	17.16

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, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

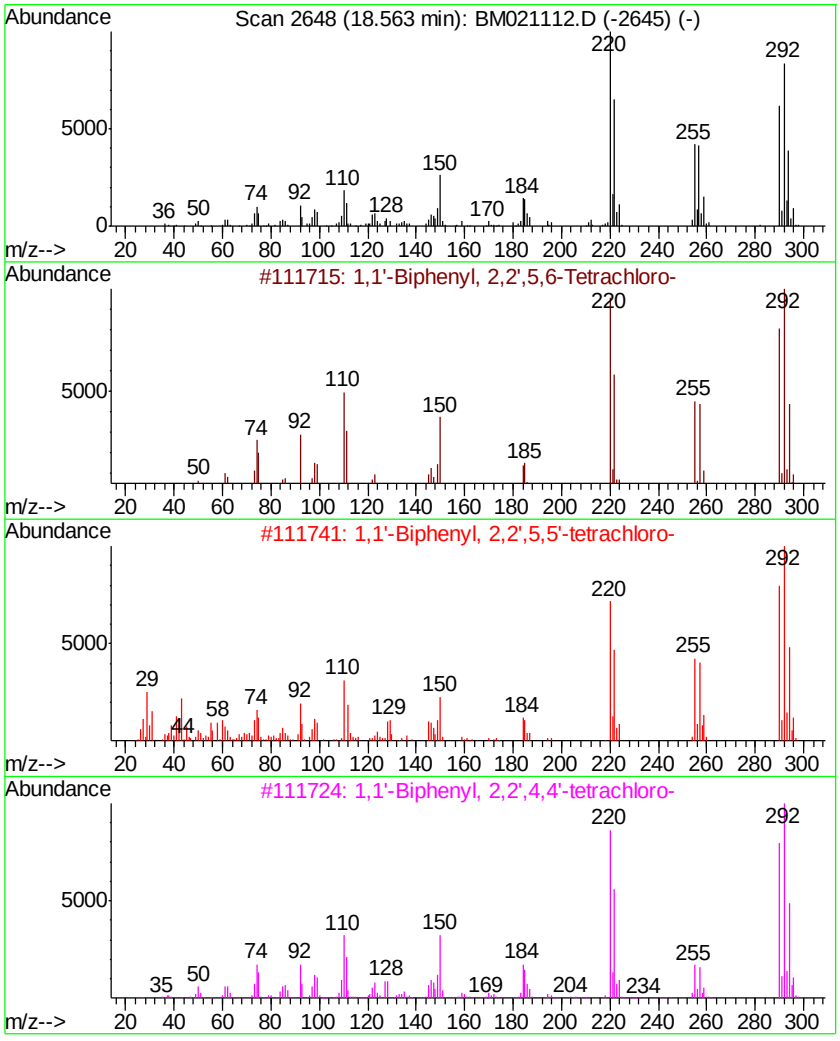
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

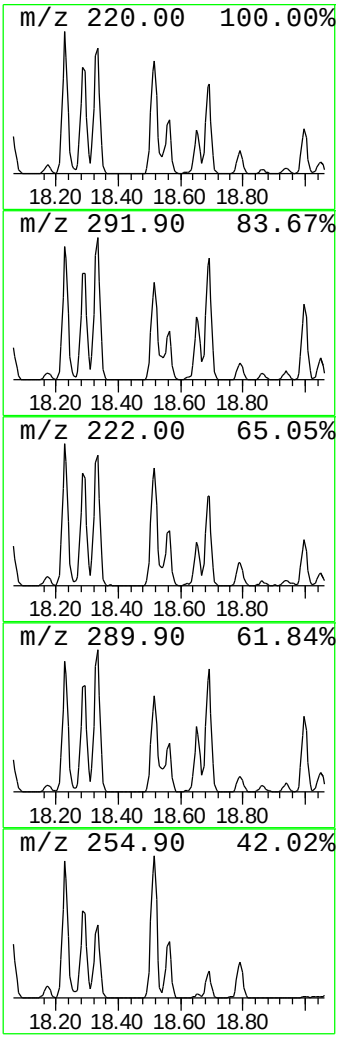
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.66 ng/ul	782527	Phenanthrene-d10	17.16

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',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	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

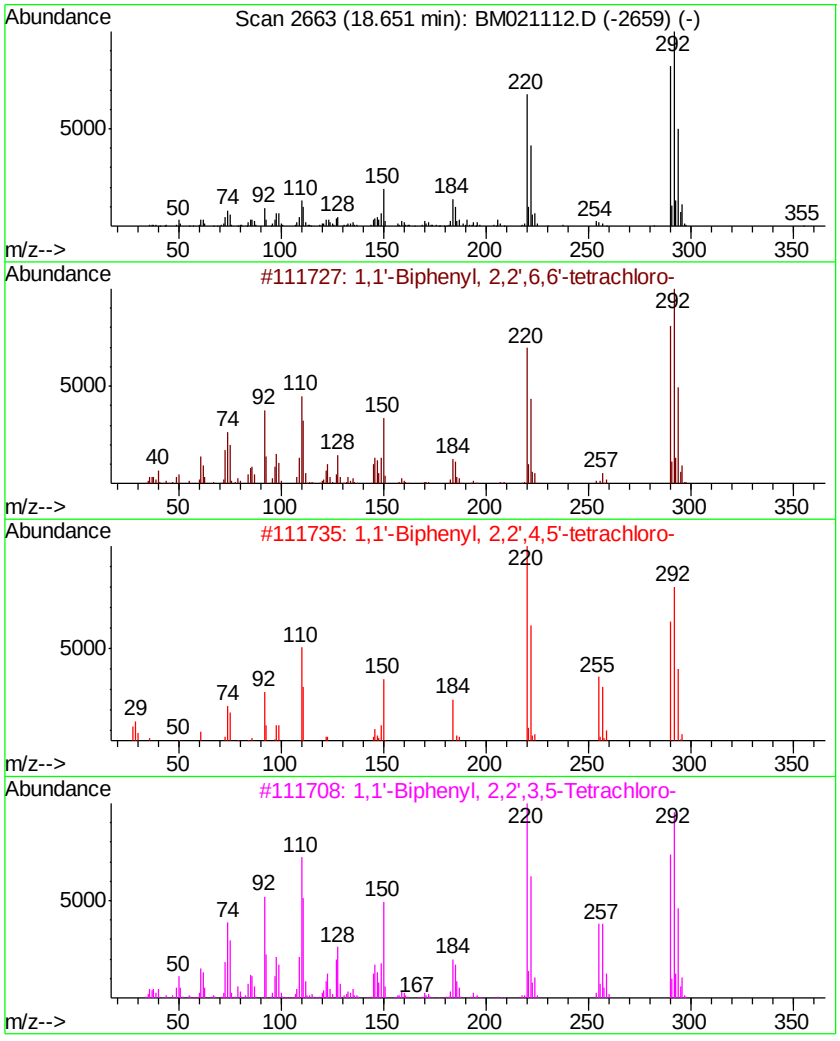
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

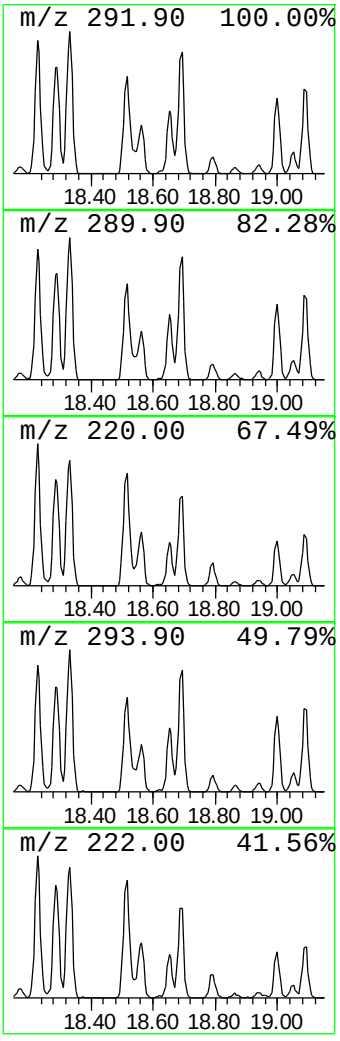
****

Peak Number 12 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	4.09 ng/ul	687665	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
2	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	97
3	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	96
4	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	96
5	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	95





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Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

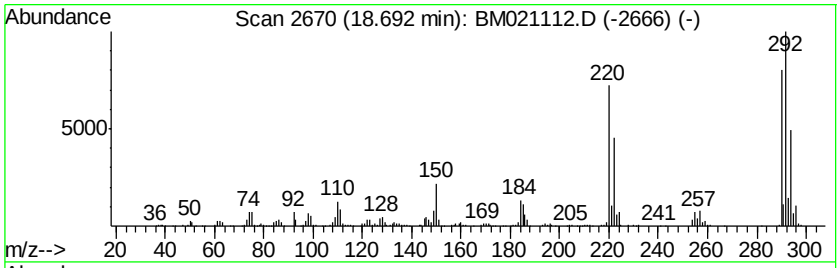
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

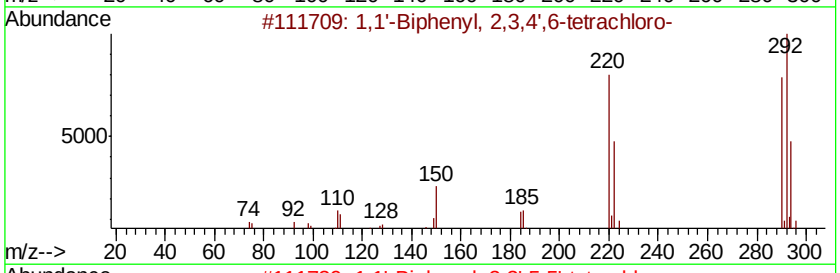
****

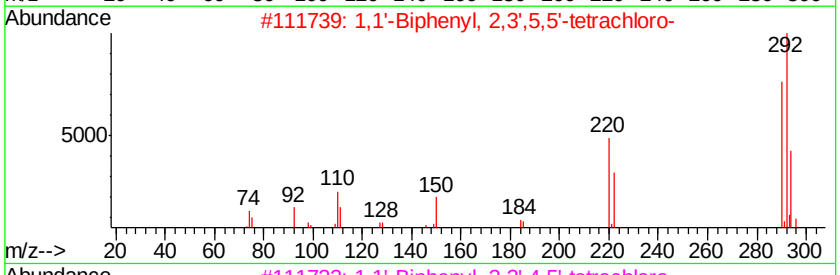
Peak Number 13 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 6

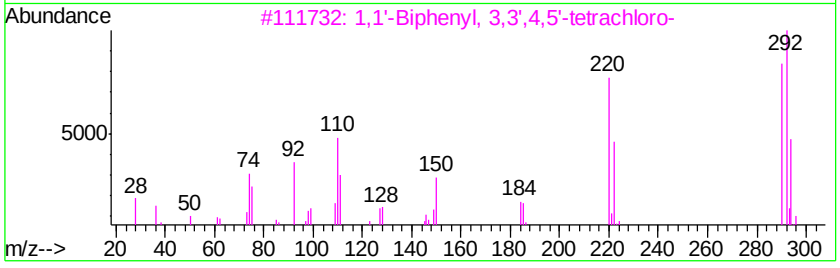
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	8.88 ng/ul	1492580	Phenanthrene-d10	17.16

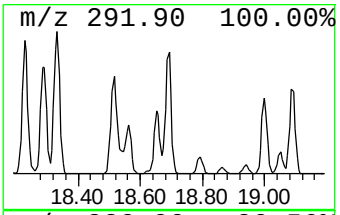
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
4	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99

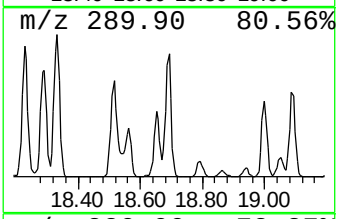


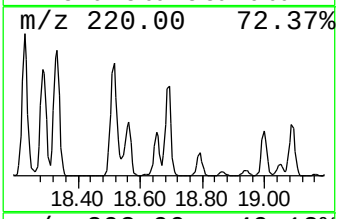


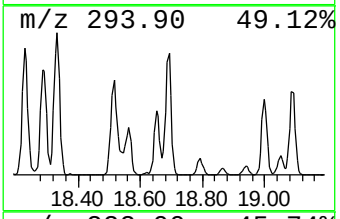


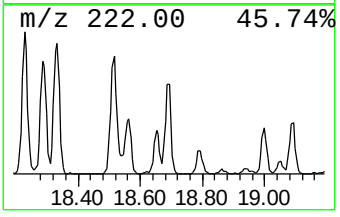












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

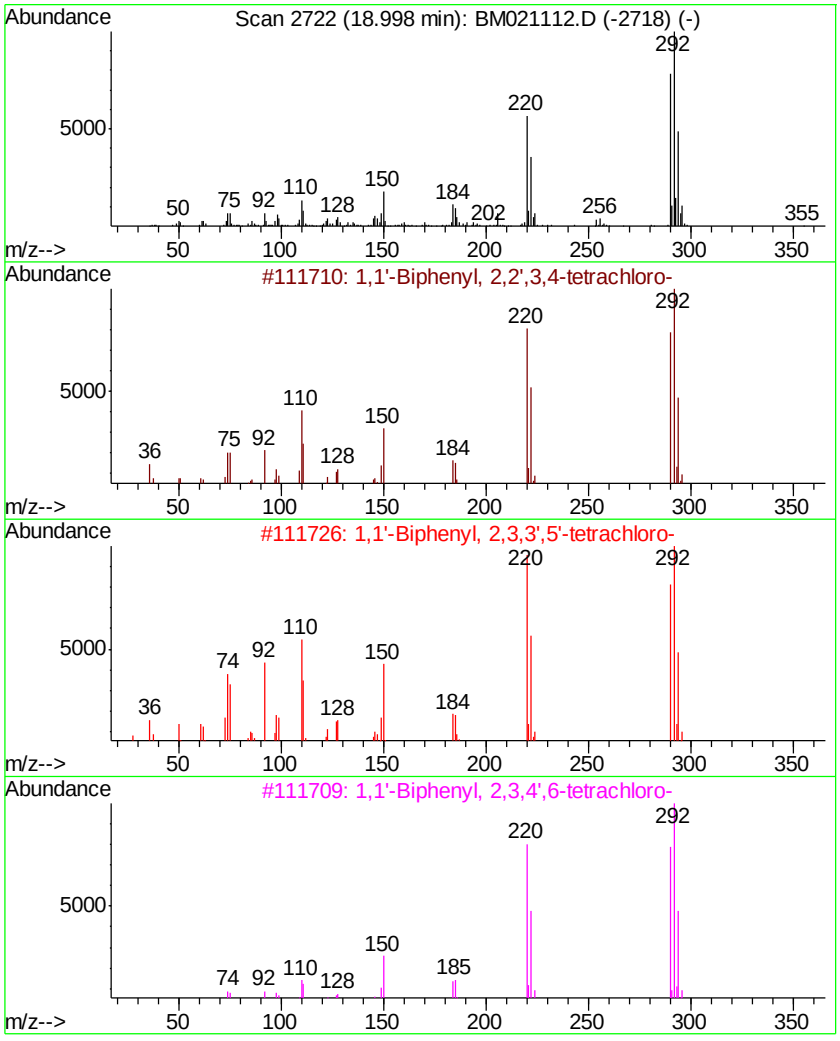
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

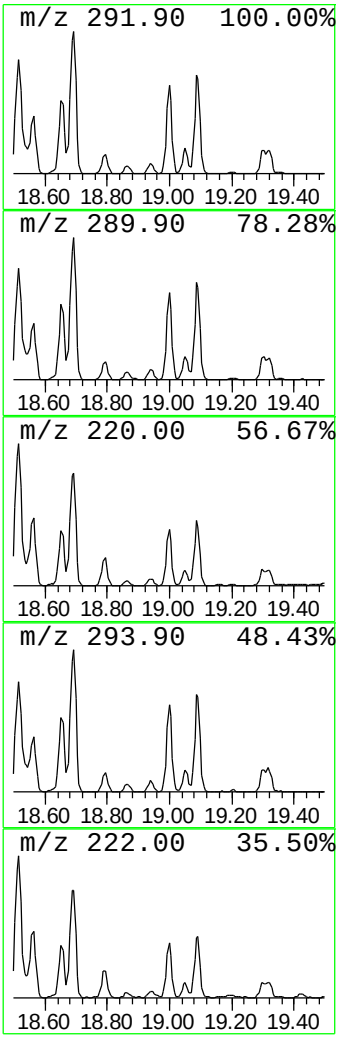
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	4.87 ng/ul	818161	Phenanthrene-d10	17.16

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, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99
4	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
5	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99





Library Search Compound Report

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Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

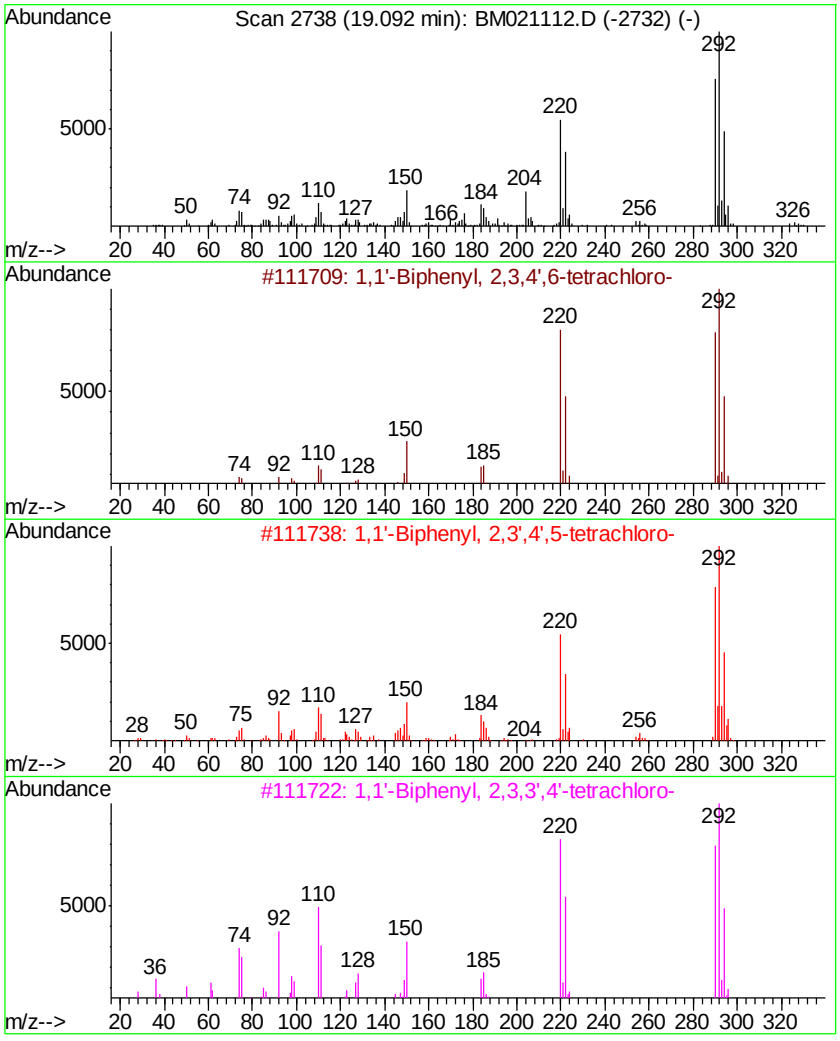
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

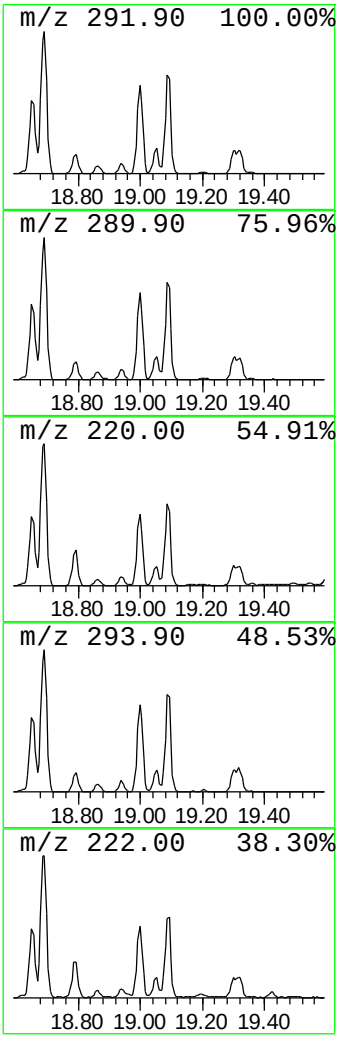
****

Peak Number 16 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	8.42 ng/ul	1415470	Phenanthrene-d10	17.16

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, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
3	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99





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Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

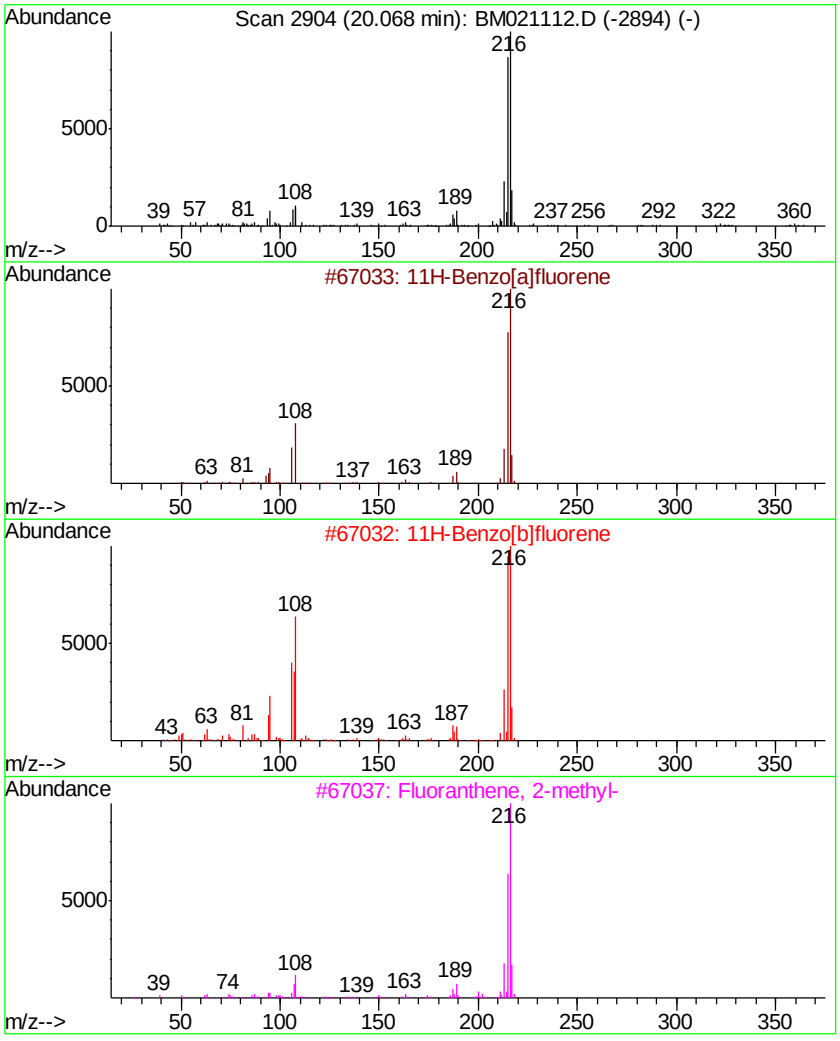
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

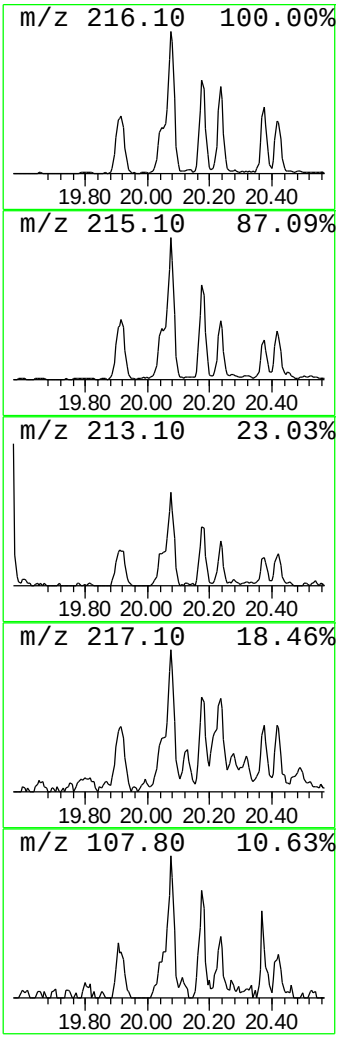
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.72 ng/ul	624935	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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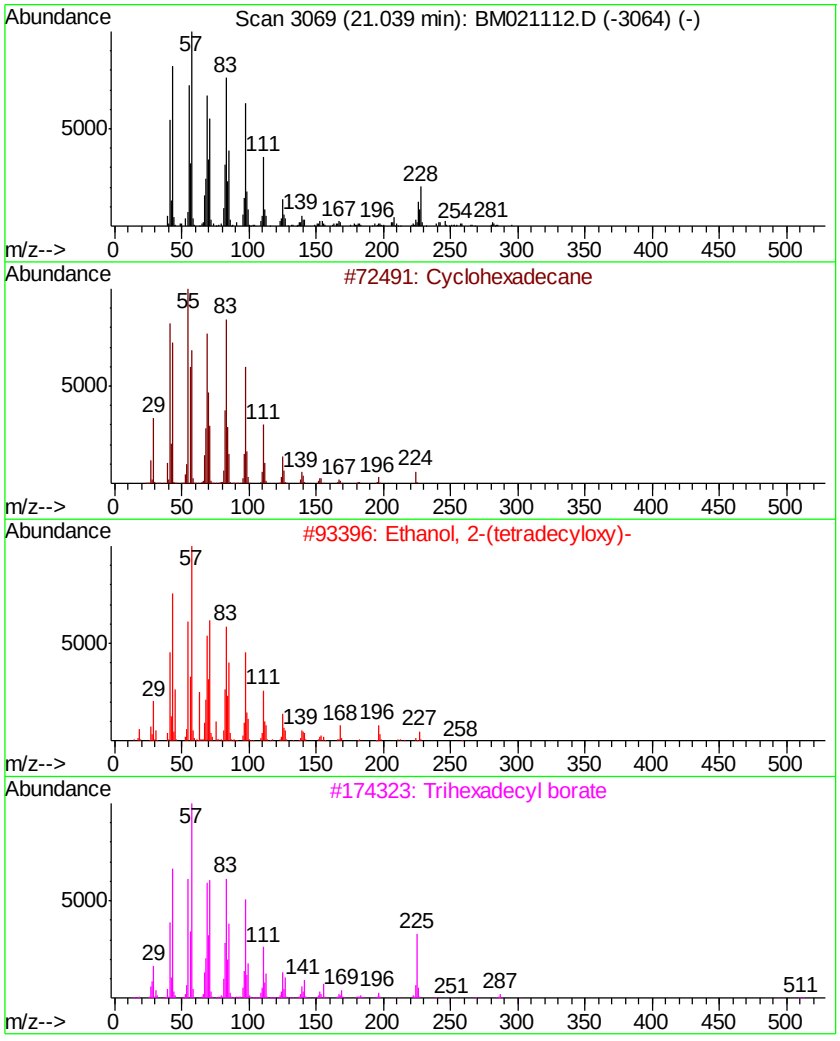
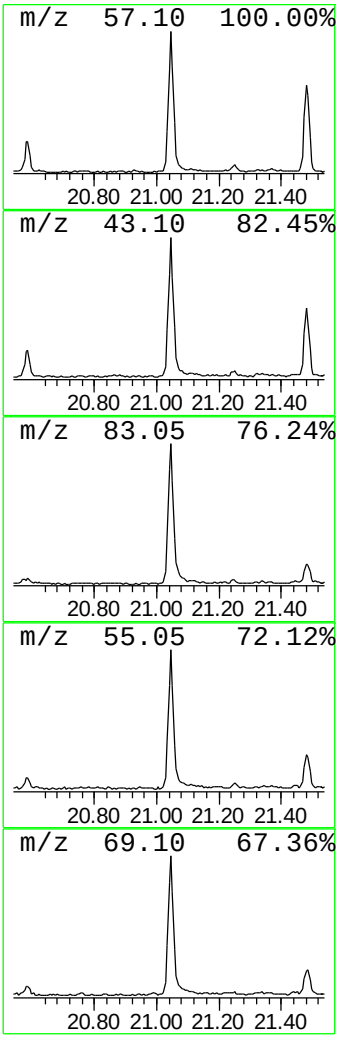
Peak Number 19 (DEL) Alkane: Cyclic21.04 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	4.29 ng/ul	984931	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	92
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
3	Trihexadecyl borate	735	C48H99BO3	002665-11-4	90
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

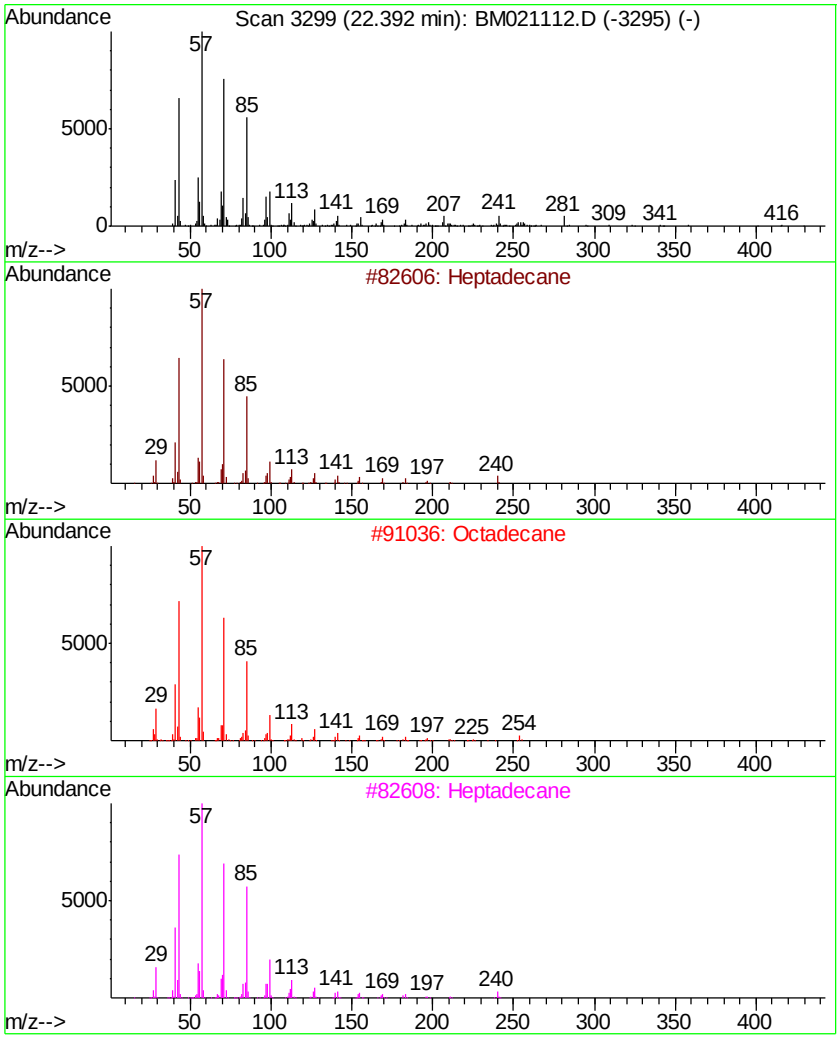
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

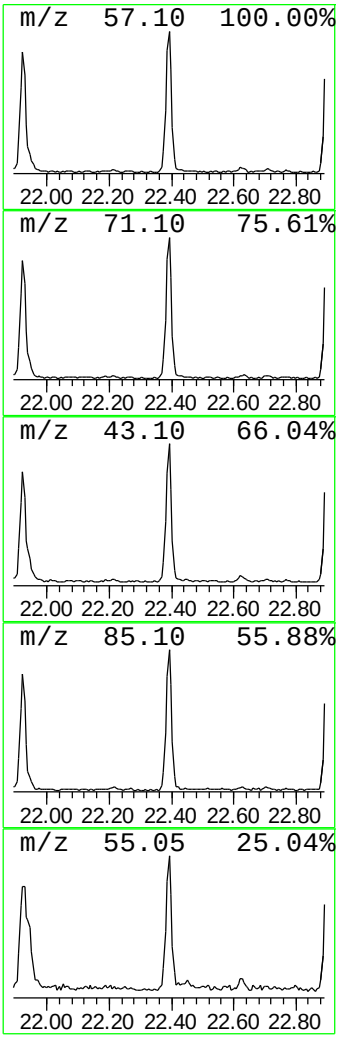
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	2.31 ng/ul	530857	Chrysene-d12	21.34

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	Heptadecane	240	C17H36	000629-78-7	93
4	Octadecane	254	C18H38	000593-45-3	91
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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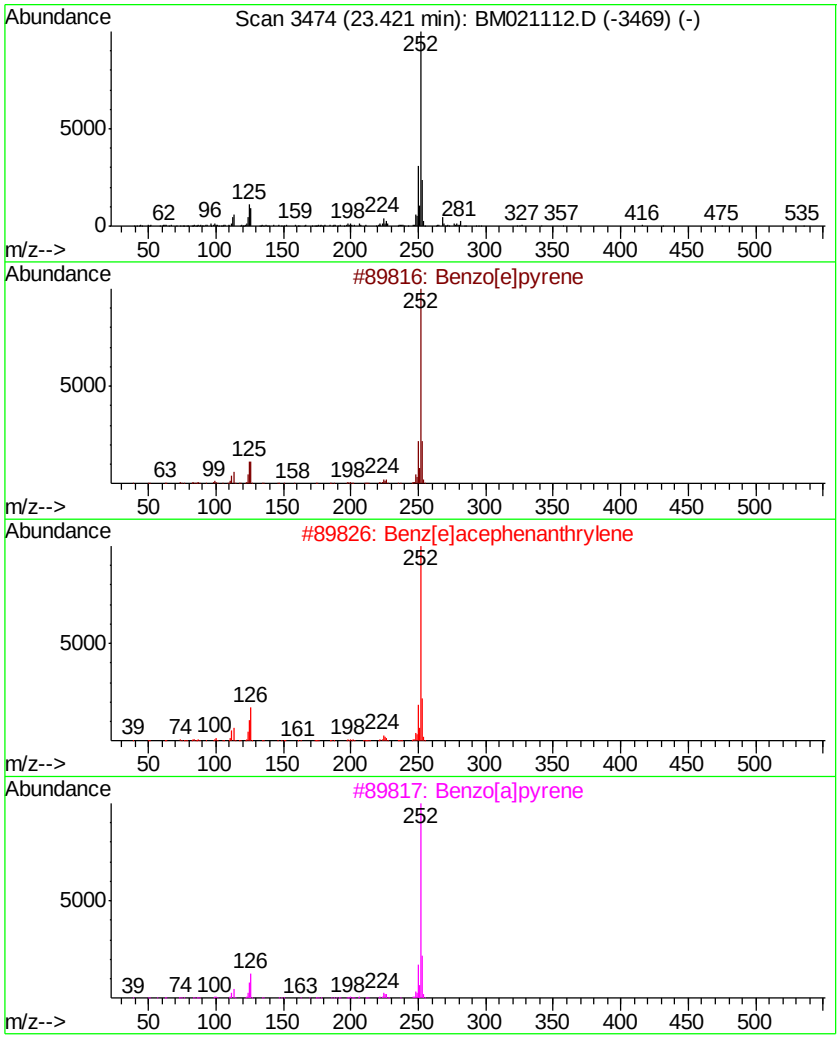
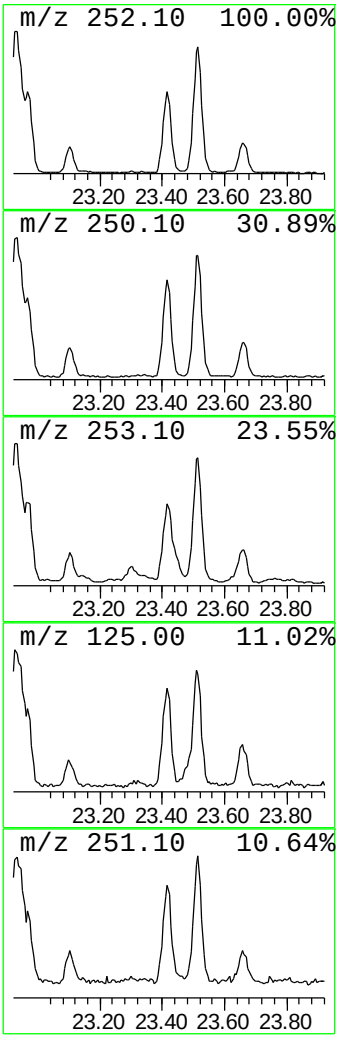
Peak Number 21 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.42	3.02 ng/ul	487814	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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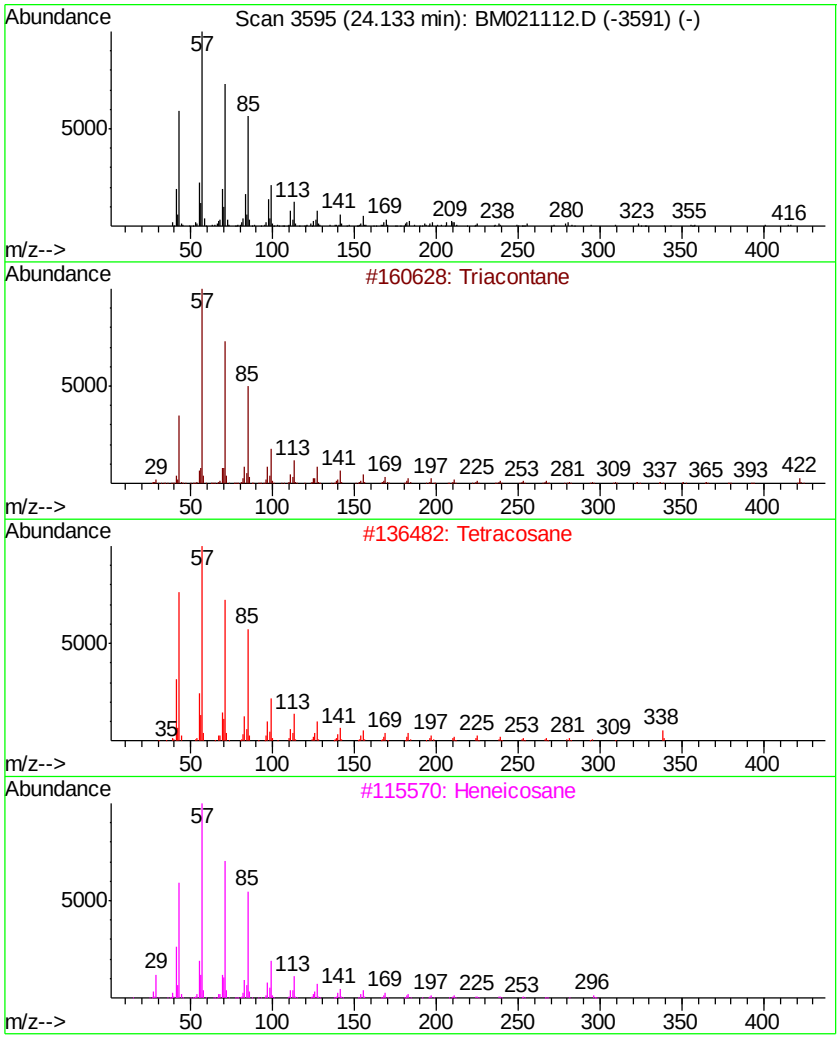
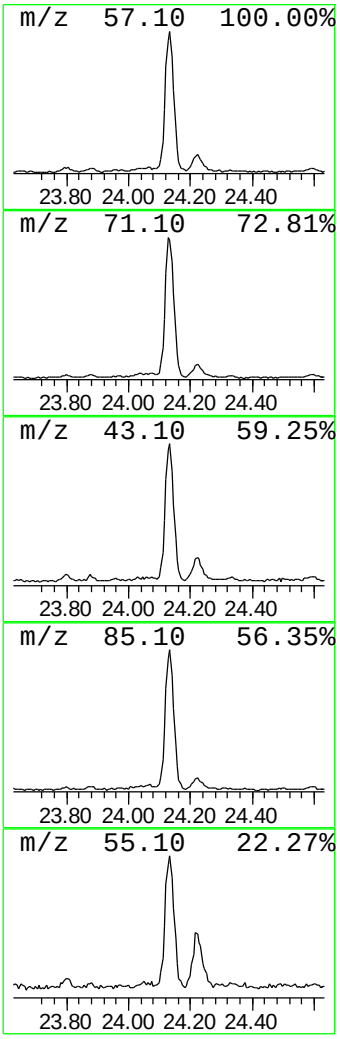
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	4.05 ng/ul	654950	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	90
2	Tetracosane	338	C24H50	000646-31-1	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062319\
Data File : BM021112.D
Acq On : 22 Jun 2019 23:30
Operator : HP/JU
Sample : K3335-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4235

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.02	70.2	ng/ul	5081860	1	7.78	1447480	20.0
1,1'-Biphenyl, 2,...	16.69	6.5	ng/ul	1088040	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	17.76	4.1	ng/ul	689611	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	17.87	2.0	ng/ul	337031	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	17.95	2.1	ng/ul	347838	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.06	7.8	ng/ul	1307950	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.23	14.8	ng/ul	2487050	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.29	10.3	ng/ul	1734190	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.33	11.5	ng/ul	1928350	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.52	12.4	ng/ul	2088080	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.56	4.7	ng/ul	782527	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.65	4.1	ng/ul	687665	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	18.69	8.9	ng/ul	1492580	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	19.00	4.9	ng/ul	818161	4	17.16	3361810	20.0
1,1'-Biphenyl, 2,...	19.09	8.4	ng/ul	1415470	4	17.16	3361810	20.0
11H-Benzo[a]fluorene	20.07	2.7	ng/ul	624935	5	21.34	4590960	20.0
(DEL) Alkane: Cyc...	21.04	4.3	ng/ul	984931	5	21.34	4590960	20.0
(DEL) Alkane: Str...	22.39	2.3	ng/ul	530857	5	21.34	4590960	20.0
Benzo[e]pyrene	23.42	3.0	ng/ul	487814	6	23.61	3235400	20.0
(DEL) Alkane: Str...	24.13	4.0	ng/ul	654950	6	23.61	3235400	20.0