LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

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-BN051819MA.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	3.675	113	117	124	rVB	126400	168217	4.27%	0.324%
2	6.775	639	644	662	rVB	119508	294479	7.48%	0.567%
3	6.916	663	668	680	rVB	120842	216309	5.49%	0.417%
4	7.116	697	702	717	rVB	166044	301136	7.65%	0.580%
5	7.569	773	779	791	rBV	330222	560125	14.22%	1.079%
6	8.299	898	903	915	rVV2	72335	154283	3.92%	0.297%
7	8.393	915	919	928	rVB2	31205	61925	1.57%	0.119%
8	8.722	969	975	986	rBV	171556	328771	8.35%	0.633%
9	9.434	1091	1096	1112	rVB2	128728	258414	6.56%	0.498%
10	9.993	1185	1191	1213	rBV2	117872	373929	9.49%	0.720%
11	10.334	1242	1249	1258	rBV	464995	822413	20.88%	1.584%
12	10.534	1278	1283	1288	rBV4	8597	18411	0.47%	0.035%
13	13.434	1773	1776	1779	rBV2	4740	6989	0.18%	0.013%
14	13.628	1803	1809	1814	rBV	471679	710596	18.04%	1.369%
15	13.675	1814	1817	1825	rVB	110392	166776	4.23%	0.321%
16	13.898	1849	1855	1867	rVB	579999	857726	21.78%	1.652%
17	14.122	1890	1893	1900	rVV4	7283	9272	0.24%	0.018%
18	14.210	1902	1908	1922	rVB2	799834	1248680	31.70%	2.405%
19	14.498	1952	1957	1975	rBV4	44783	146625	3.72%	0.282%
20	14.634	1975	1980	1984	rVV6	10205	21655	0.55%	0.042%
21	14.663	1984	1985	1990	rVB5	4607	6090	0.15%	0.012%
22	15.022	2042	2046	2050	rBV3	3369	5742	0.15%	0.011%
23	15.075	2053	2055	2060	rVB3	5709	7860	0.20%	0.015%
24	15.216	2072	2079	2087	rBV	744568	1155549	29.34%	2.226%
25	15.387	2105	2108	2116	rBV5	20898	38522	0.98%	0.074%
26	15.457	2116	2120	2124	rVV	8731	15317	0.39%	0.030%
27	15.487	2124	2125	2130	rVB4	3987	4993	0.13%	0.010%
28	15.775	2170	2174	2182	rVB3	18822	30066	0.76%	0.058%
29	15.898	2193	2195	2199	rBV3	3858	5408	0.14%	0.010%
30	15.945	2199	2203	2206	rVV2	15168	18755	0.48%	0.036%
31	16.004	2210	2213	2216	rVB5	9127	10026	0.25%	0.019%
32	16.063	2219	2223	2227	rBV	15519	23848	0.61%	0.046%
33	16.116	2227	2232	2234	rBV4	15600	22290	0.57%	0.043%
34	16.151	2234	2238	2248	rVB	96093	152501	3.87%	0.294%

LSC Area Percent Report

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Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

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-BN051819MA.M
Title : SVOA CALIBRATION

35	16.222	2248	2250	2258	rVB6	6920	9745	0.25%	0.019%
36	16.287	2258	2261	2262	rBV2	4559	4942	0.13%	0.010%
37	16.322	2262	2267	2271	rVB2	57881	78809	2.00%	0.152%
38	16.375	2273	2276	2277	rBV3	9514	8213	0.21%	0.016%
39	16.451	2285	2289	2294	rBV2	18127	30569	0.78%	0.059%
40	16.522	2298	2301	2304	rVV4	9588	12373	0.31%	0.024%
41	16.575	2304	2310	2316	rVV	736988	981285	24.91%	1.890%
42	16.645	2318	2322	2325	rVB6	6132	7336	0.19%	0.014%
43	16.739	2332	2338	2342	rBV	436953	538856	13.68%	1.038%
44	16.775	2342	2344	2350	rVB5	51674	71212	1.81%	0.137%
45	16.845	2350	2356	2360	rBV	131888	166755	4.23%	0.321%
46	16.886	2360	2363	2368	rBV4	39355	56229	1.43%	0.108%
47	16.969	2369	2377	2383	rBV2	1298623	1808578	45.92%	3.484%
48	17.069	2388	2394	2405	rVB2	921695	1358342	34.49%	2.616%
49	17.357	2437	2443	2444	rBV5	8244	13812	0.35%	0.027%
50	17.398	2446	2450	2454	rVV5	13395	24276	0.62%	0.047%
51	17.492	2461	2466	2475	rVB2	42211	72074	1.83%	0.139%
52	17.575	2478	2480	2482	rBV3	4219	4391	0.11%	0.008%
53	17.628	2485	2489	2491	rBV6	9946	12636	0.32%	0.024%
54	17.728	2503	2506	2508	rBV3	9428	9392	0.24%	0.018%
55	17.769	2511	2513	2520	rVB8	11245	20171	0.51%	0.039%
56	17.886	2529	2533	2542	rBV	275468	514902	13.07%	0.992%
57	18.045	2557	2560	2565	rVB5	23733	32826	0.83%	0.063%
58	18.192	2580	2585	2588	rBV5	38364	70946	1.80%	0.137%
59	18.439	2623	2627	2632	rVB2	102245	139192	3.53%	0.268%
60	18.516	2636	2640	2642	rBV5	17750	19919	0.51%	0.038%
61	18.828	2690	2693	2697	rBV6	27274	37368	0.95%	0.072%
62	18.904	2702	2706	2713	rVB4	161214	240289	6.10%	0.463%
63	19.051	2727	2731	2737	rBV	100152	173542	4.41%	0.334%
64	19.116	2740	2742	2747	rVB5	50410	62981	1.60%	0.121%
65	19.192	2750	2755	2763	rVV2	485144	844020	21.43%	1.626%
66	19.251	2763	2765	2772	rVB6	59473	110421	2.80%	0.213%
67	19.386	2783	2788	2797	rBV	1143645	1789457	45.43%	3.447%
68	19.628	2825	2829	2830	rBV	132727	161146	4.09%	0.310%
69	19.651	2830	2833	2837	rVB	189265	232755	5.91%	0.448%
70	19.775	2850	2854	2858	rBV	437760	528827	13.43%	1.019%
71	19.822	2858	2862	2868	rVB2	171060	294103	7.47%	0.567%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

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-BN051819MA.M
Title : SVOA CALIBRATION

72	19.916	2873	2878	2882	rVV	1255475	1468550	37.28%	2.829%
73	19.969	2884	2887	2894	rVB2	134847	204613	5.19%	0.394%
74	20.122	2910	2913	2918	rVB	215444	256807	6.52%	0.495%
75	20.198	2922	2926	2931	rBV	1616882	2032019	51.59%	3.914%
76	20.251	2932	2935	2939	rBV	306100	367399	9.33%	0.708%
77	20.345	2946	2951	2959	rBV	1999496	2980888	75.68%	5.742%
78	20.457	2967	2970	2974	rVB5	120411	157934	4.01%	0.304%
79	20.522	2974	2981	2987	rBV	1066538	2004693	50.90%	3.861%
80	20.575	2988	2990	2993	rVB4	154000	168487	4.28%	0.325%
81	20.674	3003	3007	3012	rVB2	1003413	1129445	28.68%	2.176%
82	20.739	3014	3018	3022	rBV	390987	445051	11.30%	0.857%
83	20.910	3044	3047	3051	rBV	1695654	1993318	50.61%	3.840%
84	20.951	3051	3054	3060	rVV2	831913	1015119	25.77%	1.955%
85	21.010	3060	3064	3069	rVB2	502894	657936	16.70%	1.267%
86	21.145	3085	3087	3089	rBV	153807	161389	4.10%	0.311%
87	21.227	3096	3101	3103	rBV	1393540	1981234	50.30%	3.816%
88	21.251	3103	3105	3112	rVB	1758104	1906137	48.39%	3.672%
89	21.398	3126	3130	3135	rBV	2338950	2784877	70.70%	5.364%
90	21.457	3135	3140	3144	rVV	3332505	3938774	100.00%	7.587%
91	21.498	3144	3147	3150	rVV	1038209	1198410	30.43%	2.308%
92	21.533	3150	3153	3156	rVV	1107362	1268229	32.20%	2.443%
93	21.574	3156	3160	3166	rVV	630537	853810	21.68%	1.645%
94	21.633	3167	3170	3175	rVB2	296144	345484	8.77%	0.665%
95	21.698	3179	3181	3185	rVB	293220	304265	7.72%	0.586%
96	21.963	3223	3226	3231	rVB	412995	499816	12.69%	0.963%
97	23.327	3453	3458	3468	rVB2	709480	1528936	38.82%	2.945%
98	23.463	3477	3481	3490	rVB	849604	1495062	37.96%	2.880%

Sum of corrected areas: 51915070

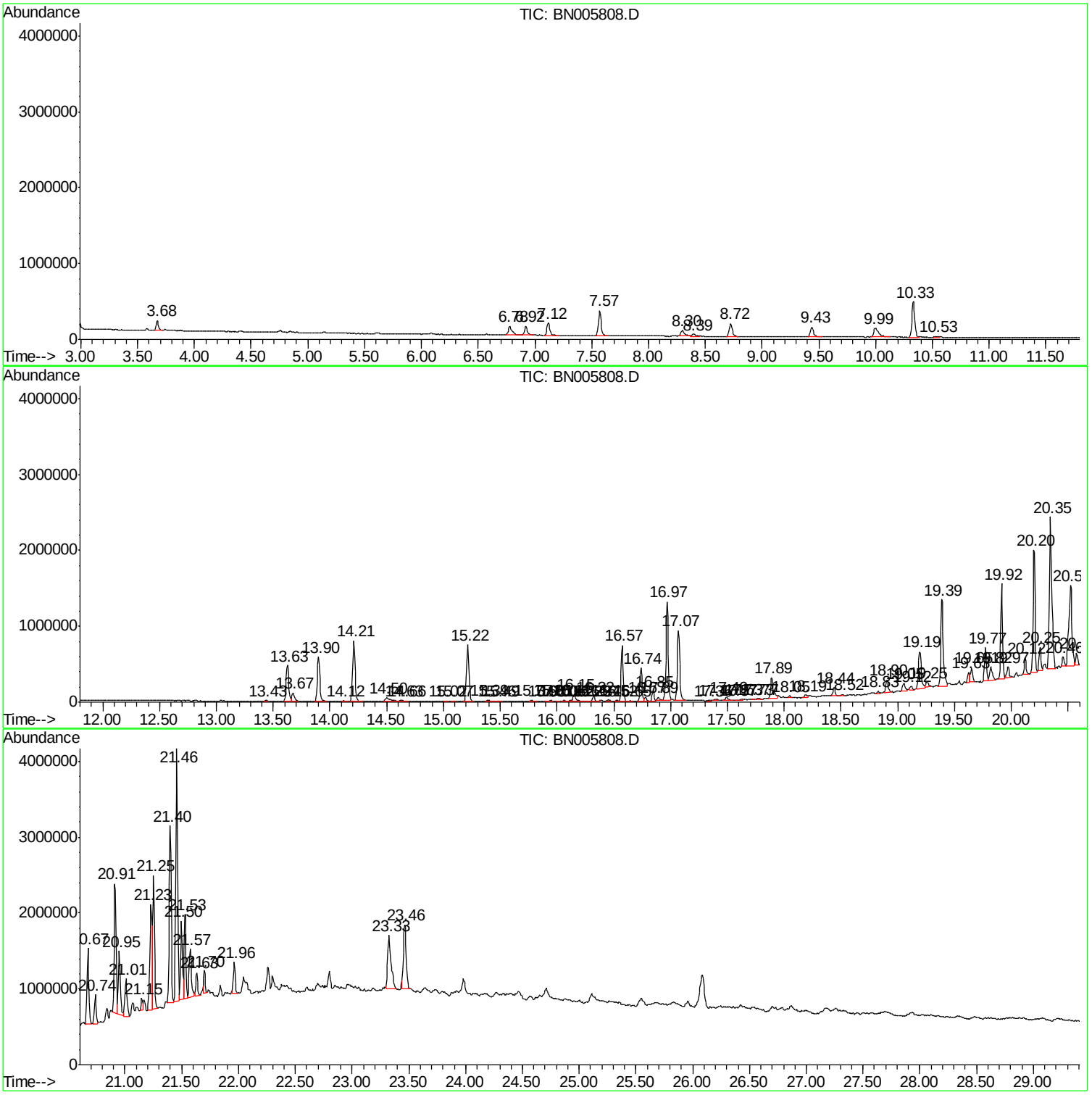
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

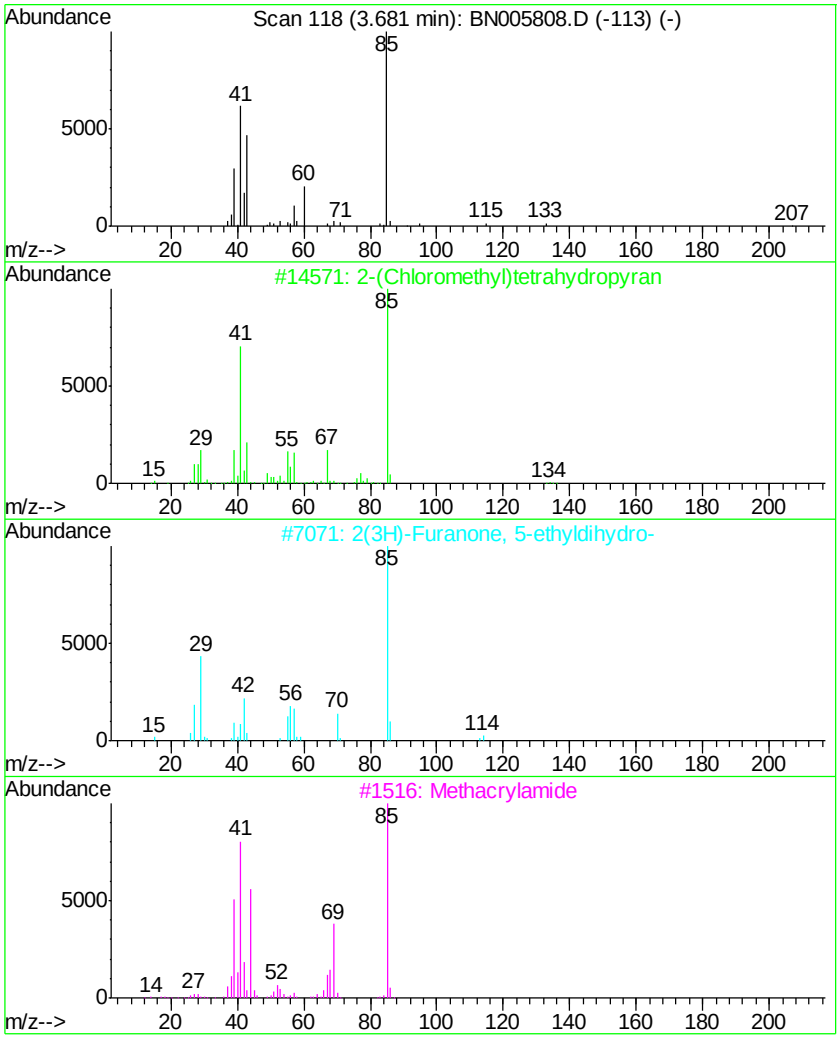
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

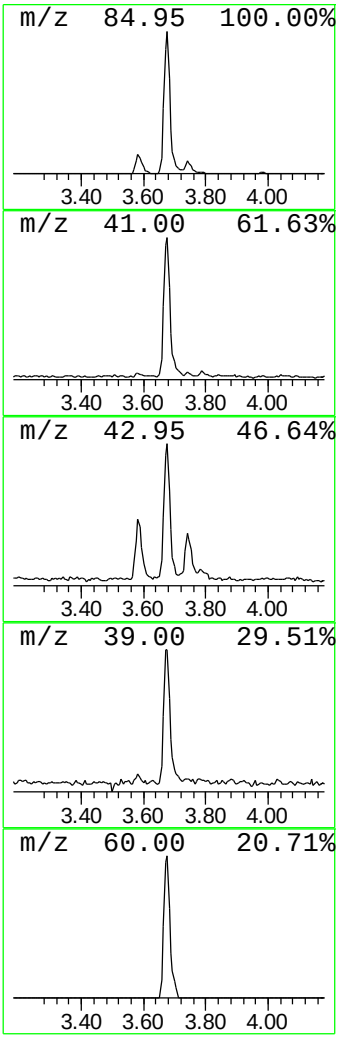
****

Peak Number 1 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.68	6.01 ng/ul	168217	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	38
2	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	36
3	Methacrylamide	85	C4H7NO	000079-39-0	36
4	2H-Pyran, tetrahydro-2-[2-(methy...	182	C11H18O2	107616-98-8	36
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

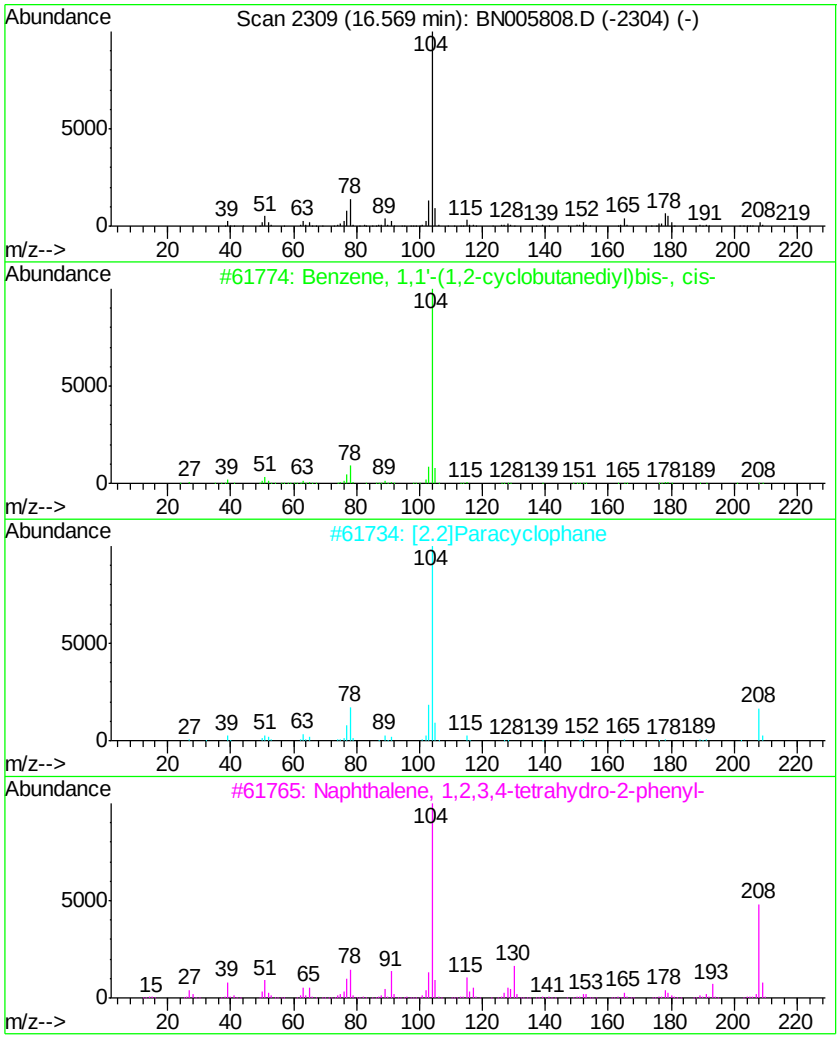
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

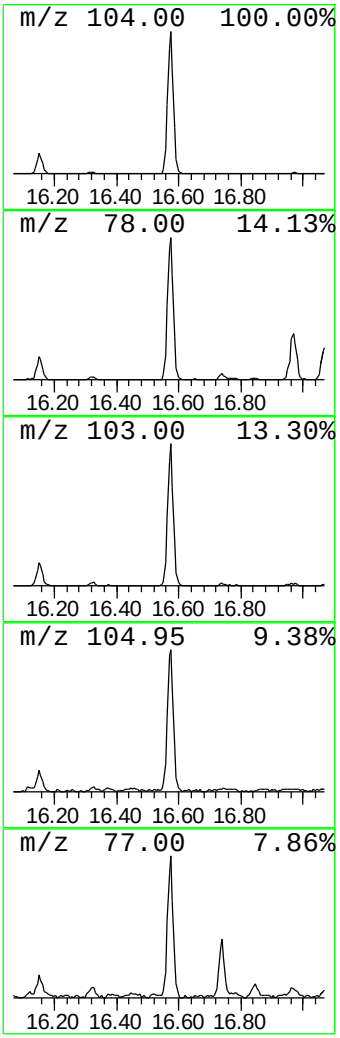
****

Peak Number 2 Benzene, 1,1'-(1,2-cyclobut... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	10.85 ng/ul	981285	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	86
2	[2.2]Paracyclophane	208	C16H16	001633-22-3	83
3	Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	029422-13-7	72
4	2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	64
5	[2.2]Paracyclophane	208	C16H16	001633-22-3	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

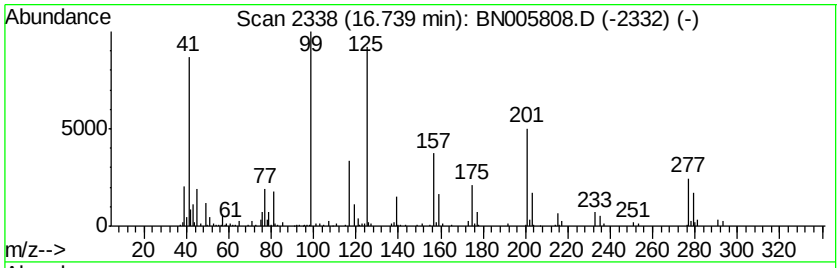
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

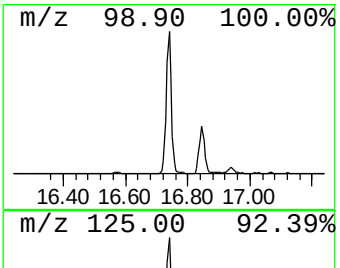
****

Peak Number 3 2-Propanol, 1-chloro-, phos... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	5.96 ng/ul	538856	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	93
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	60
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	40
4	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	32
5	Triisopropylphosphate	224	C9H21O4P	000513-02-0	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

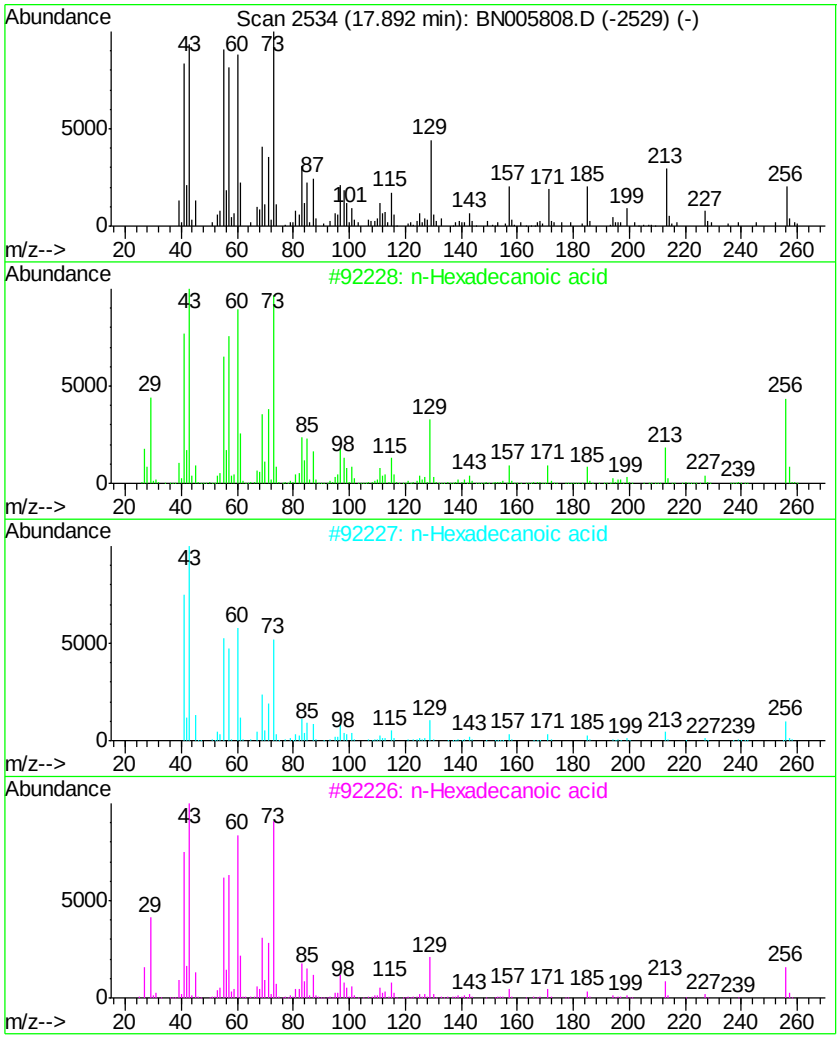
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

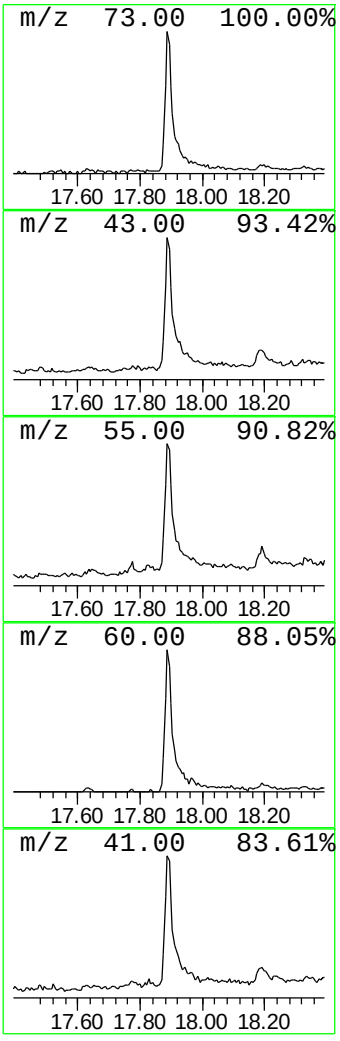
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	5.69 ng/ul	514902	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

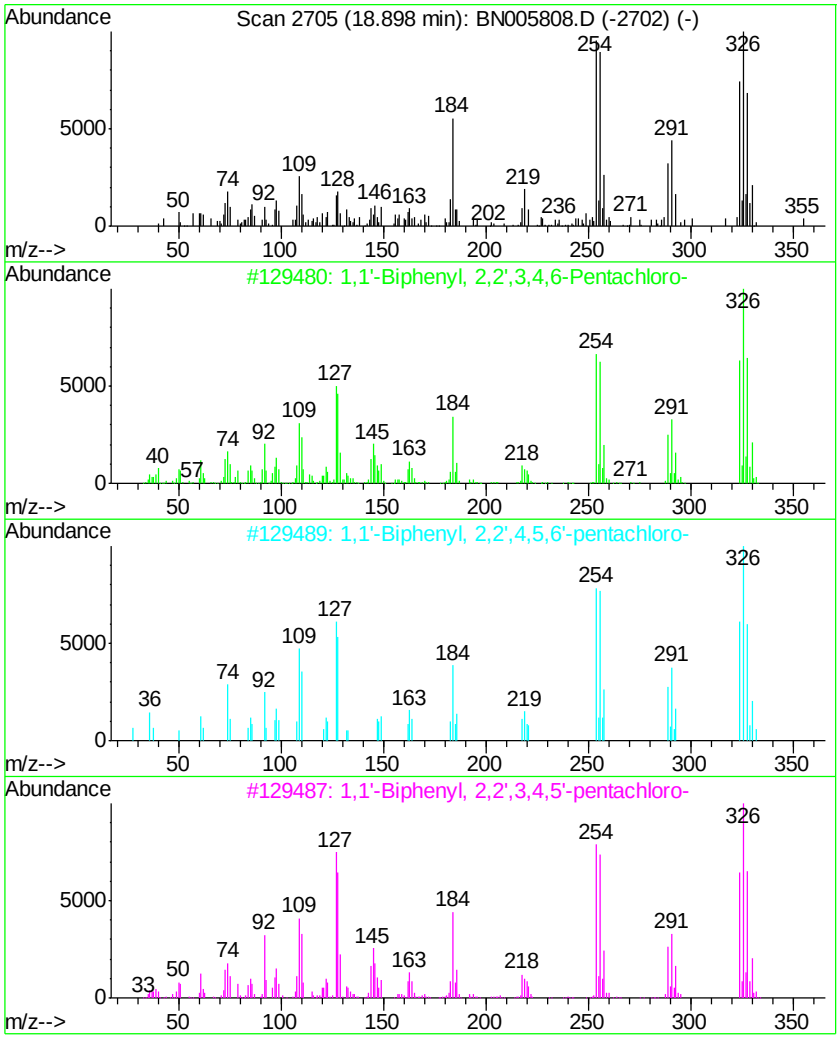
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

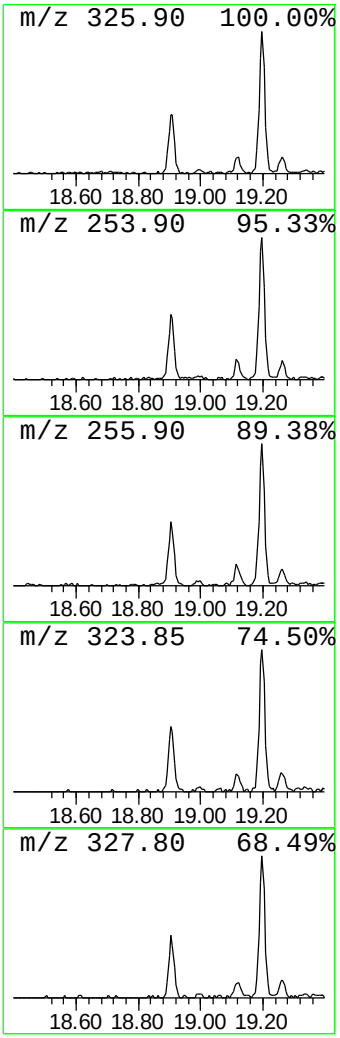
****

Peak Number 5 1,1'-Biphenyl, 2,2',3,4,6-P... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.66 ng/ul	240289	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	96
2	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	96
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	96
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	95
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	95





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Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

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Quant Title : SVOA CALIBRATION

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

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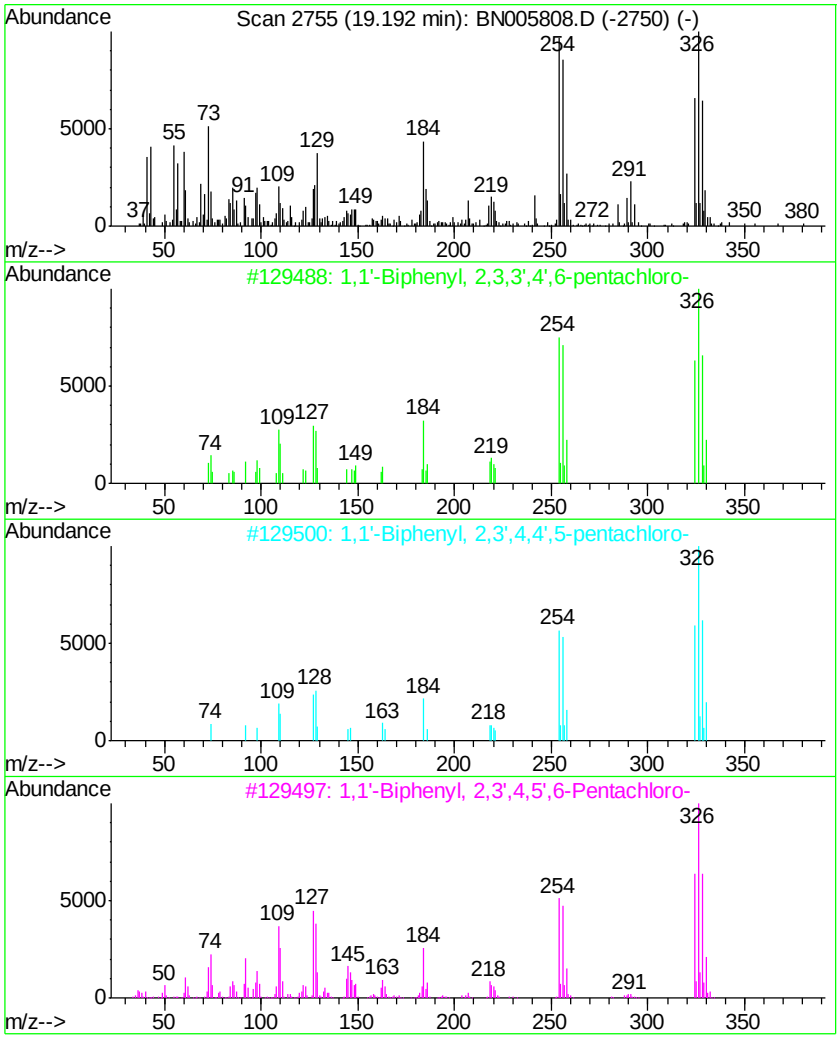
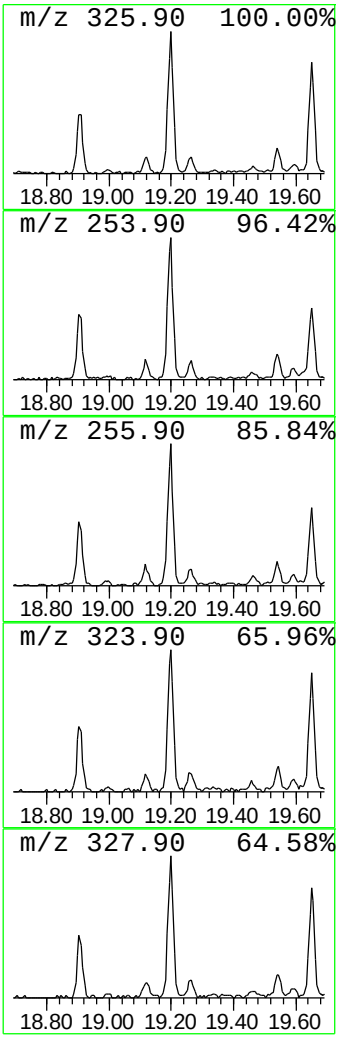
Peak Number 6 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	8.52 ng/ul	844020	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
4	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
5	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	94





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

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Quant Title : SVOA CALIBRATION

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

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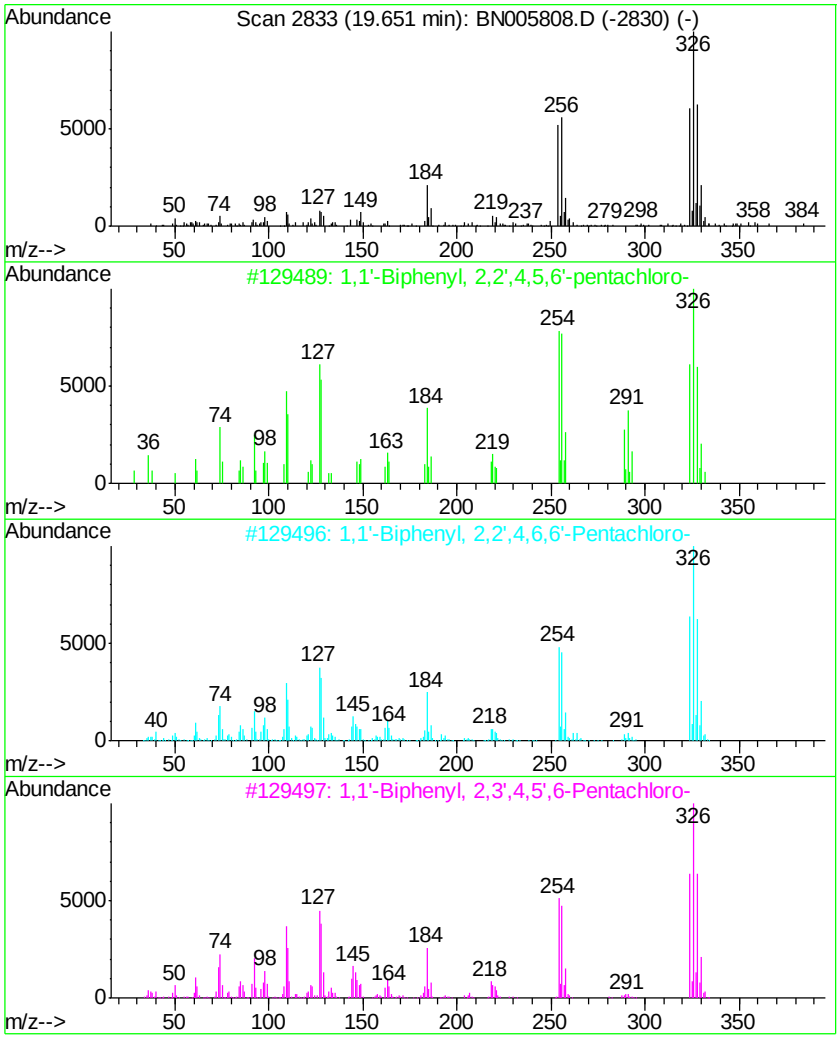
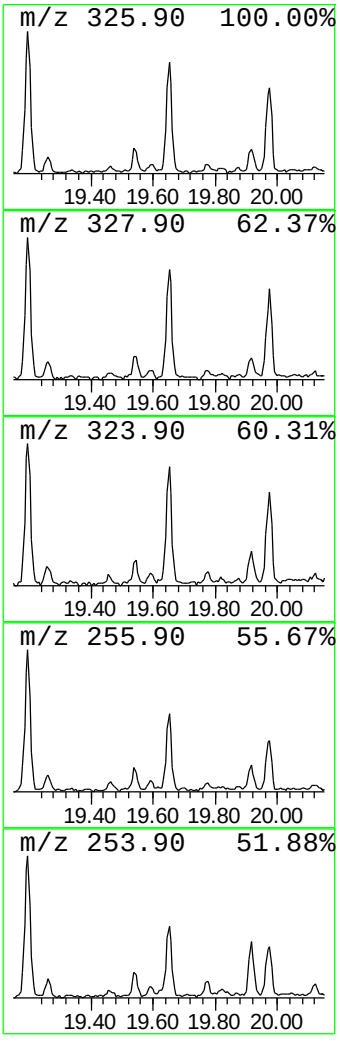
Peak Number 7 1,1'-Biphenyl, 2,2',4,5,6'-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	2.35 ng/ul	232755	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	95
2	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
4	1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	95
5	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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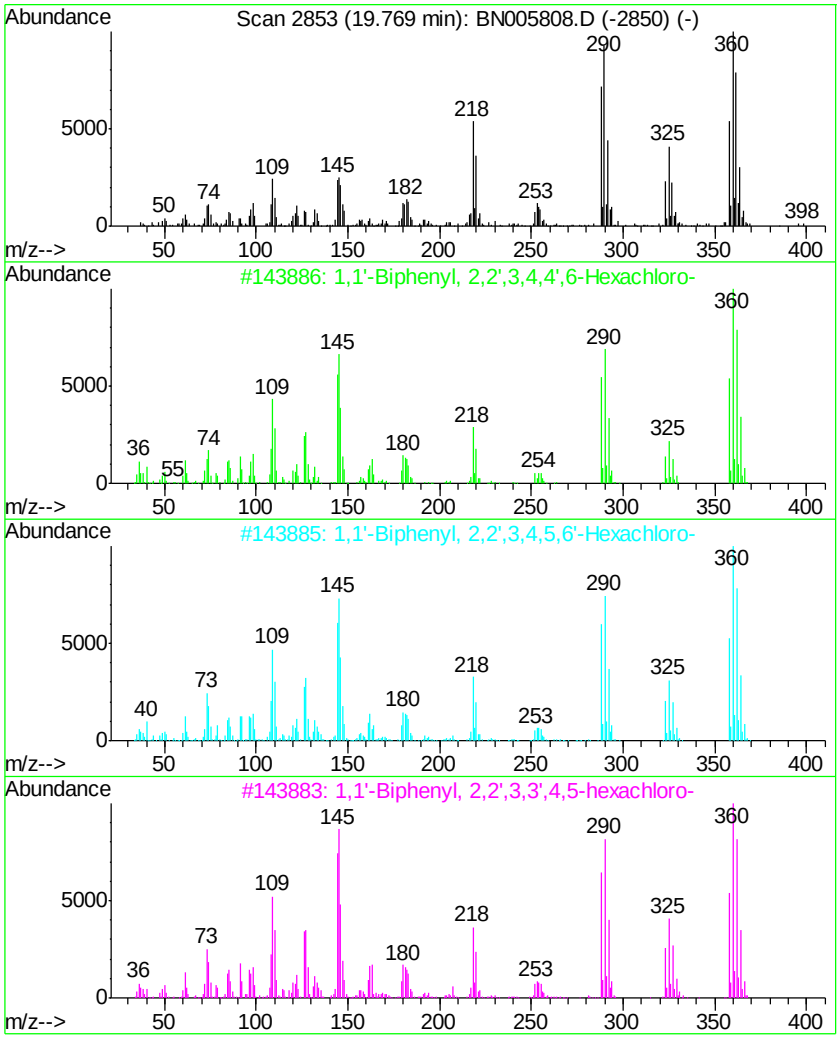
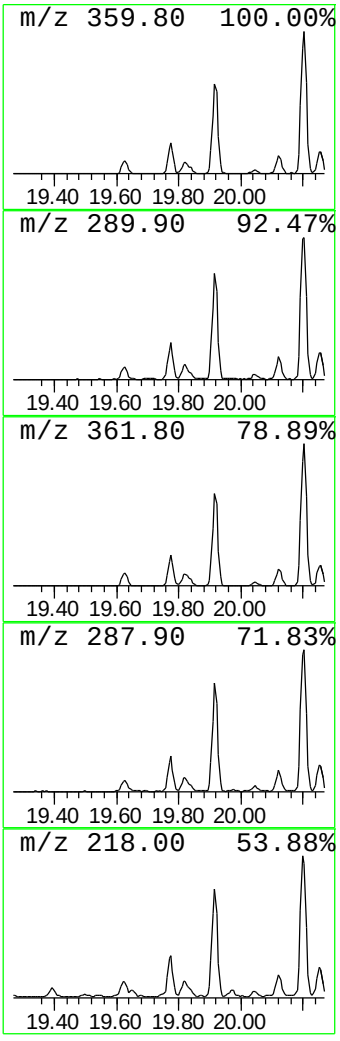
Peak Number 8 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	5.34 ng/ul	528827	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
2	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
3	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99





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Quant Title : SVOA CALIBRATION

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

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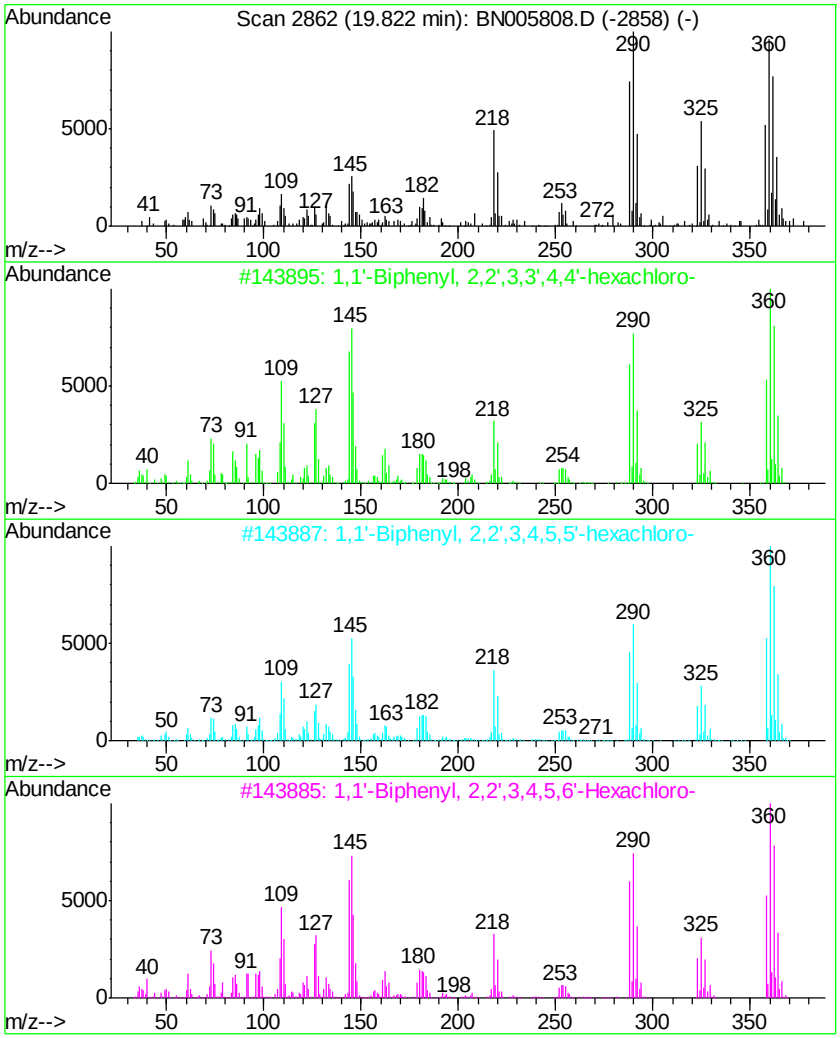
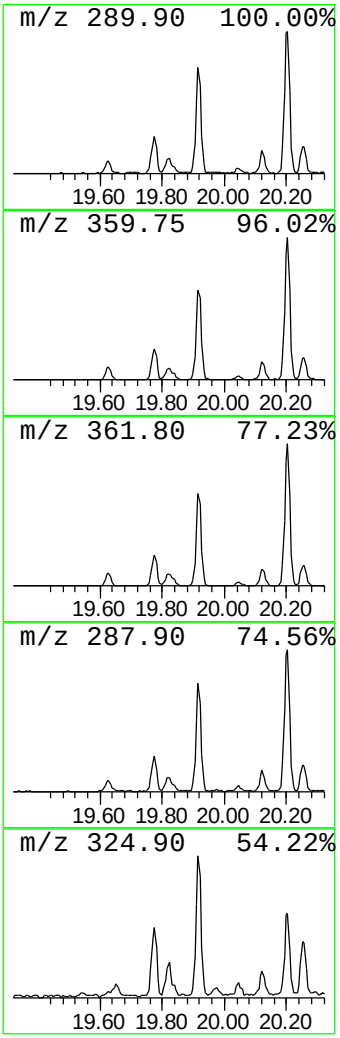
Peak Number 9 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.97 ng/ul	294103	Chrysene-d12	21.23

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	96
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	96
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	95
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	94
5	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	94





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Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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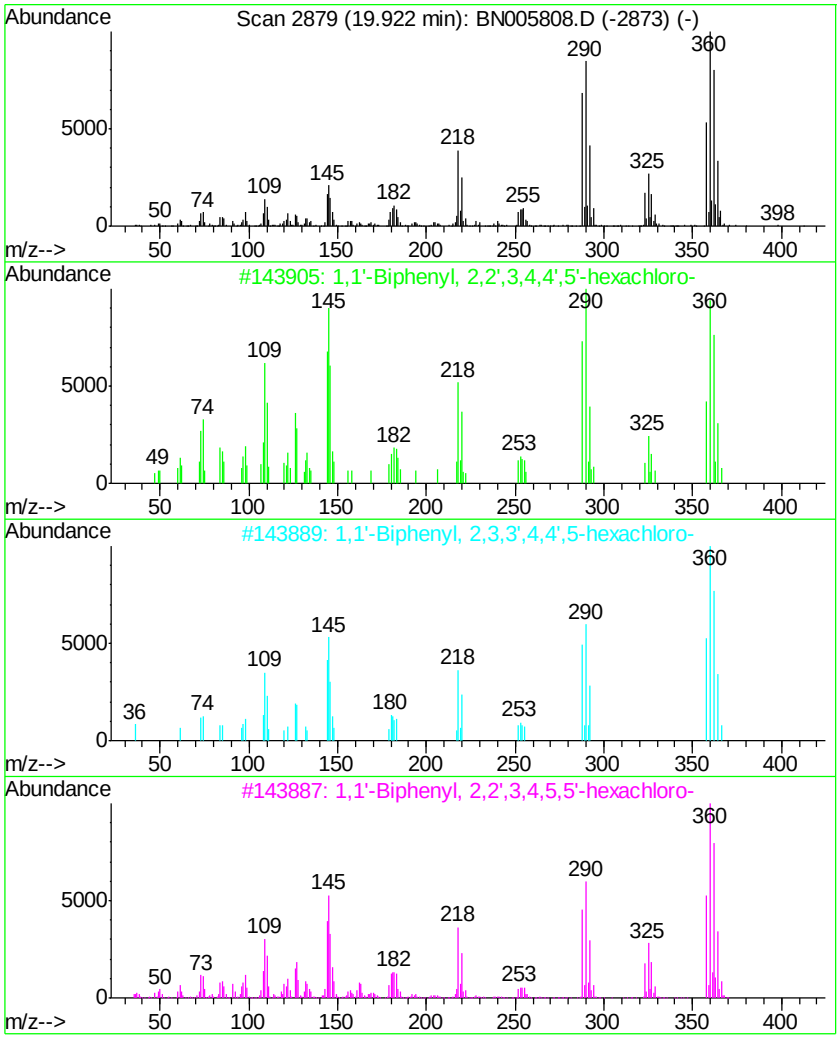
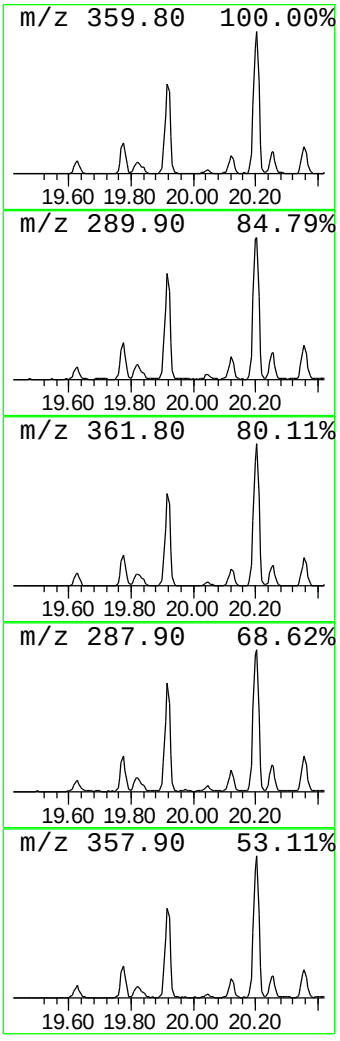
Peak Number 10 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	14.82 ng/ul	1468550	Chrysene-d12	21.23

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	99
2	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
3	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	98
5	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	98





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Quant Title : SVOA CALIBRATION

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

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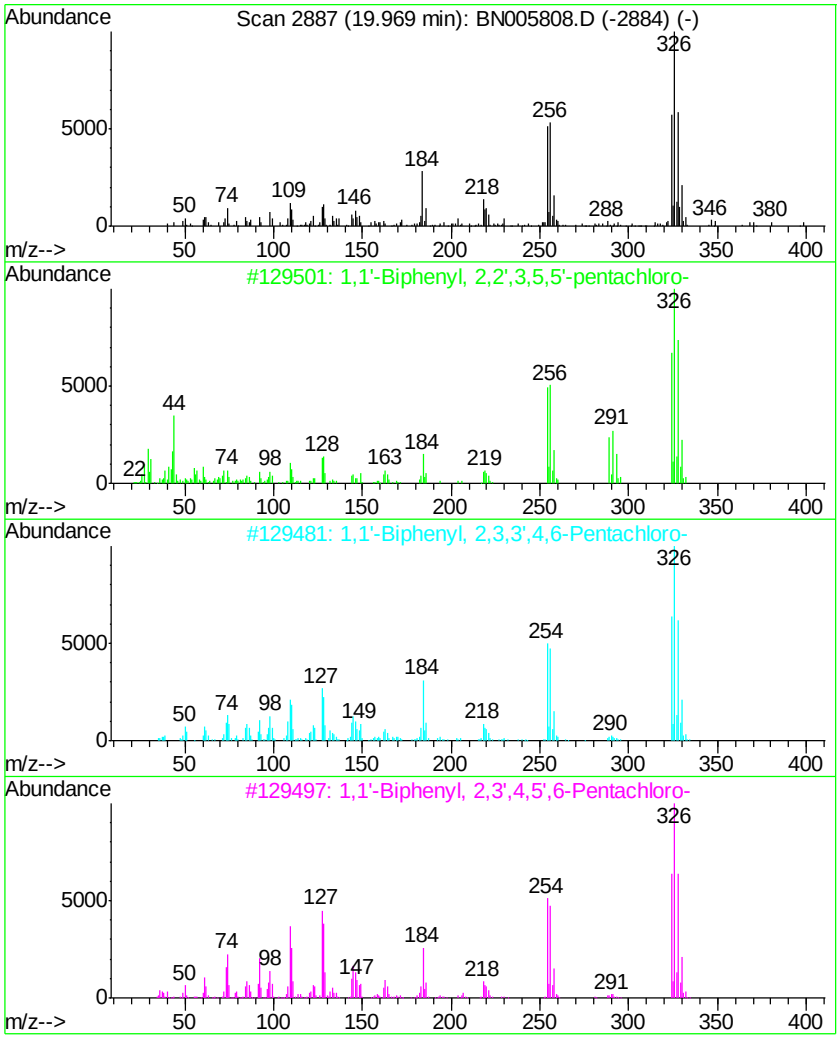
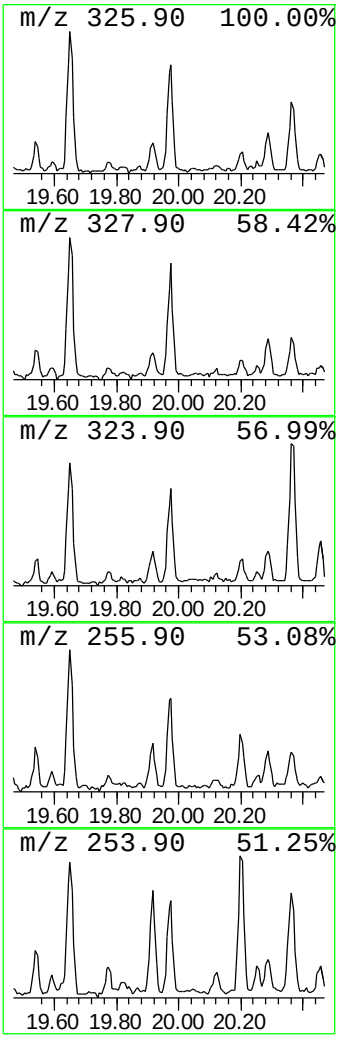
Peak Number 11 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.07 ng/ul	204613	Chrysene-d12	21.23

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, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	96
3	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95
4	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	95
5	1,1'-Biphenyl, 2,3,4,4',6-Pentac...	324	C12H5Cl5	074472-38-1	95





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

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Quant Title : SVOA CALIBRATION

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

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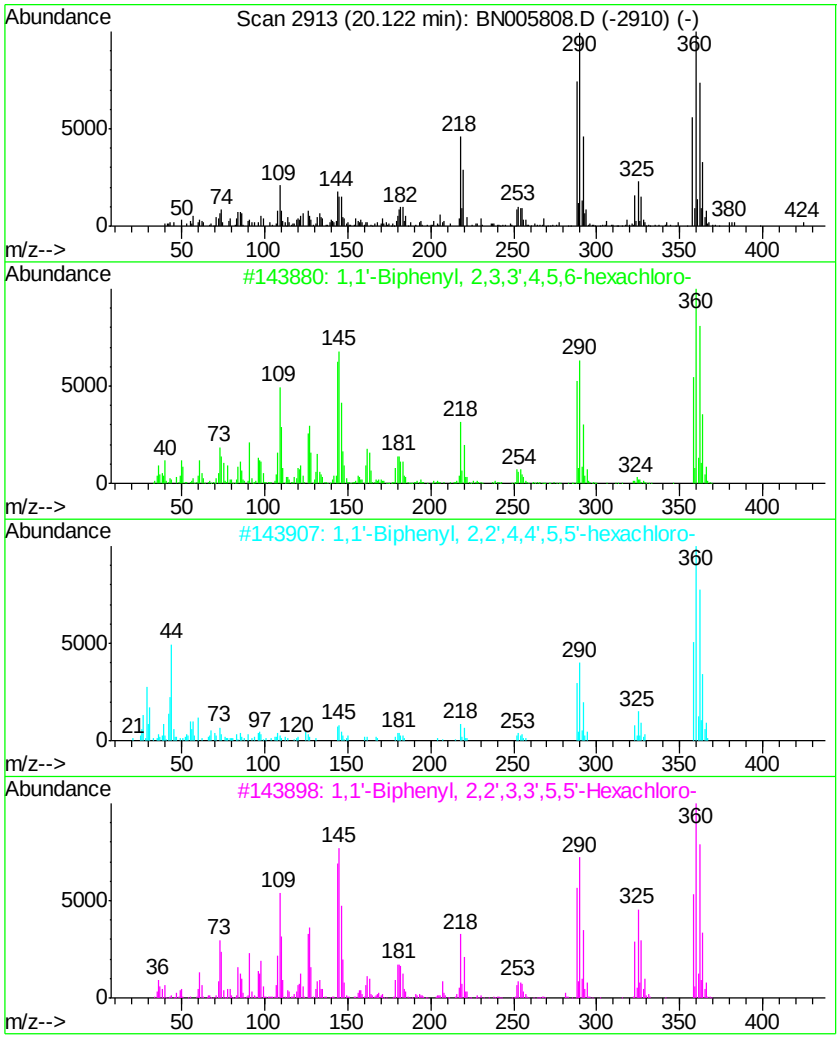
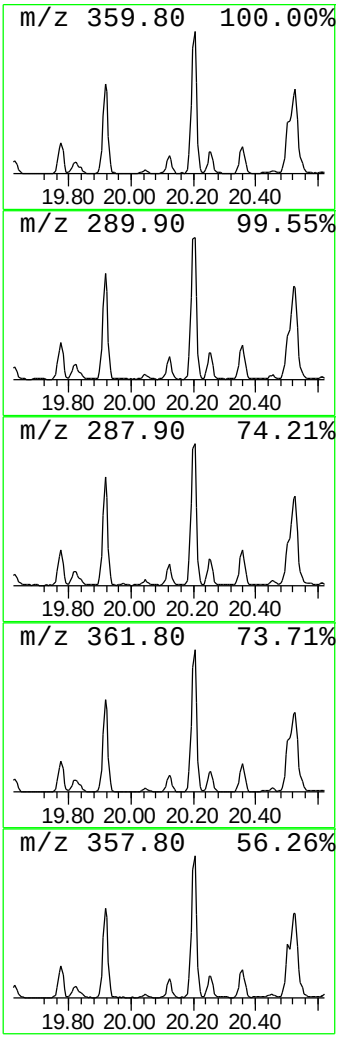
Peak Number 12 1,1'-Biphenyl, 2,3,3',4,5,6... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	2.59 ng/ul	256807	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	95
2	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	95
3	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	94
4	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	94
5	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	94





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Quant Title : SVOA CALIBRATION

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

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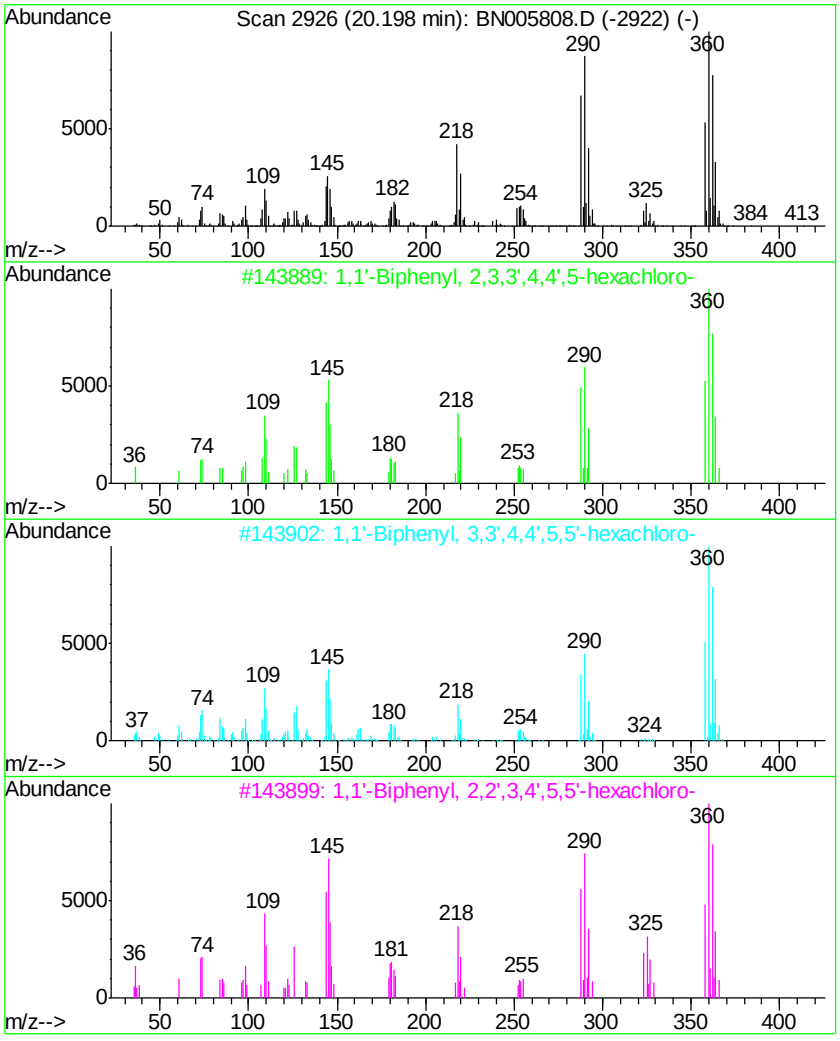
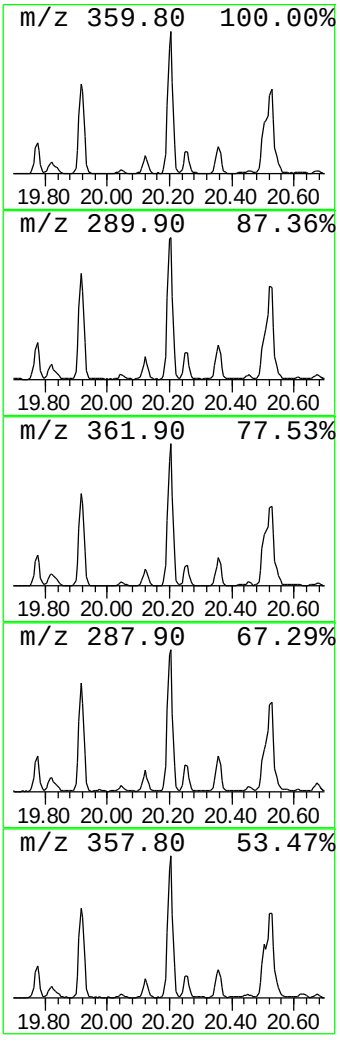
Peak Number 13 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	20.51 ng/ul	2032020	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	96
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	96
5	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	95





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Quant Title : SVOA CALIBRATION

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

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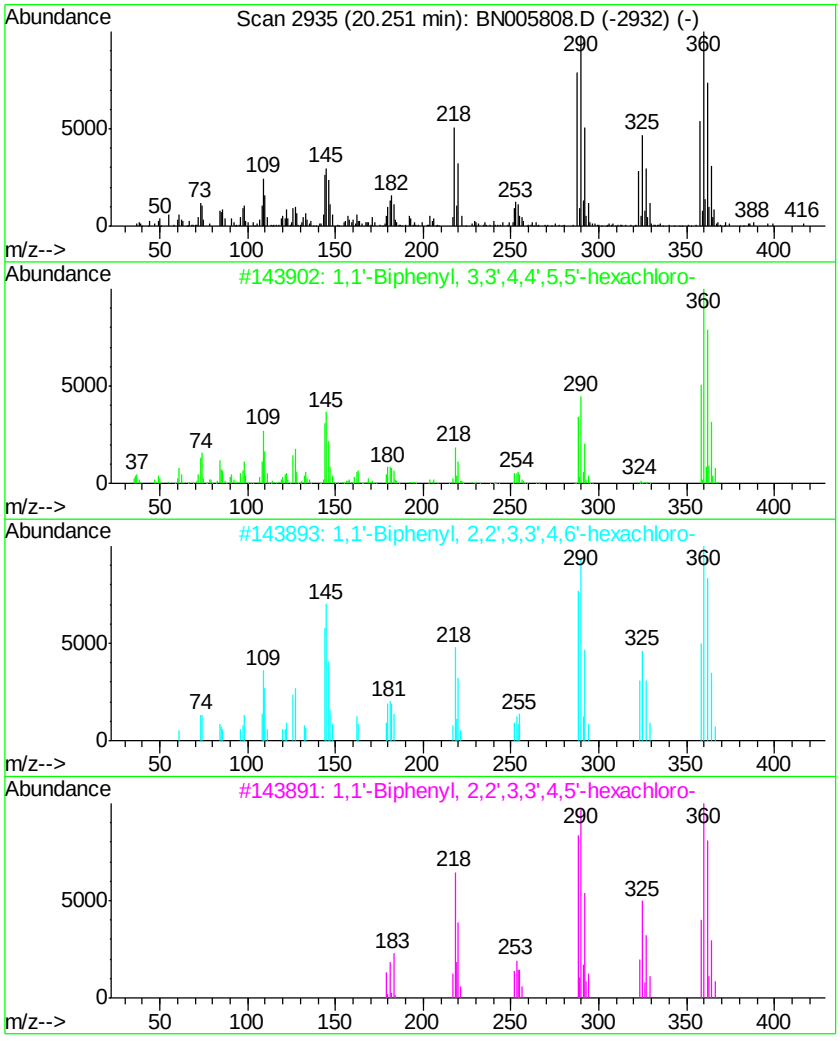
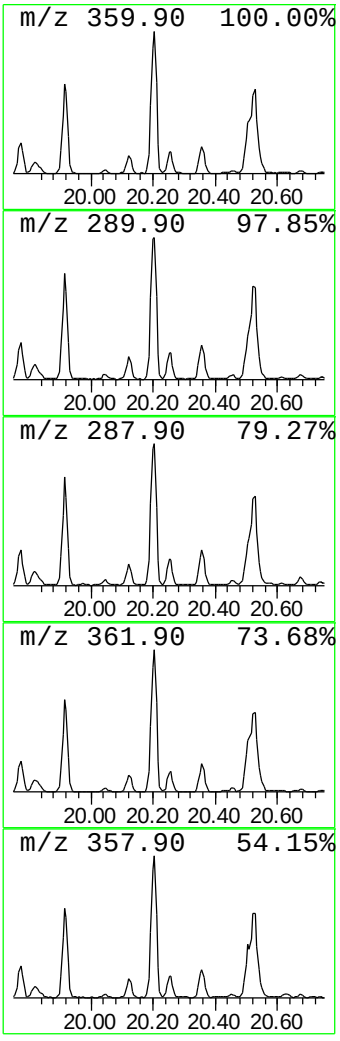
Peak Number 14 1,1'-Biphenyl, 3,3',4,4',5,... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	3.71 ng/ul	367399	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4',5,5'-he...	358	C12H4Cl6	032774-16-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
3	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99





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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 2,2',3,3',4,5',6-Heptachlor... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	11.40 ng/ul	1129450	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
3	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6-H...	392	C12H3Cl7	074472-47-2	99
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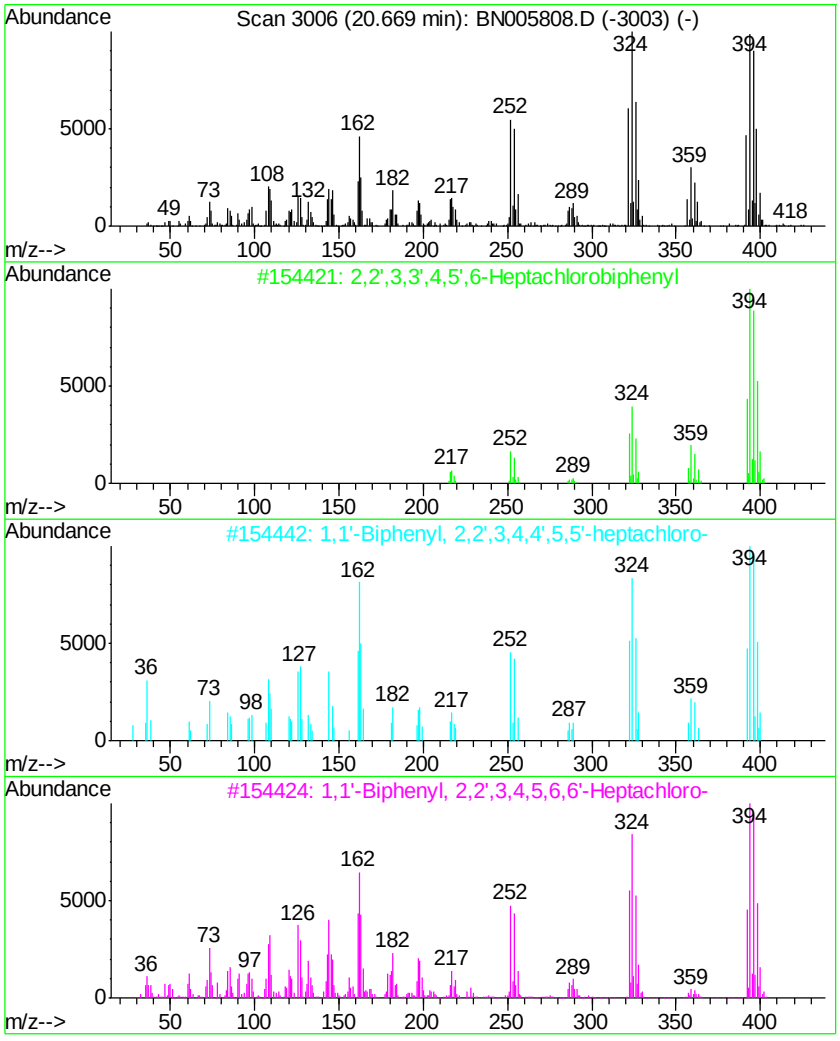

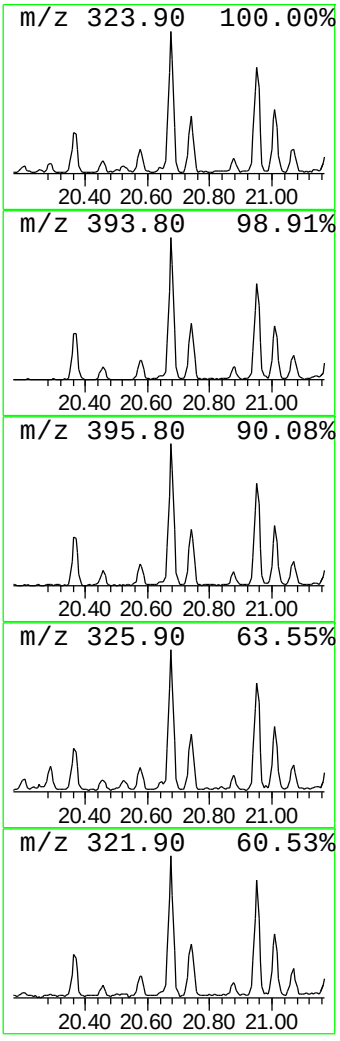

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ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

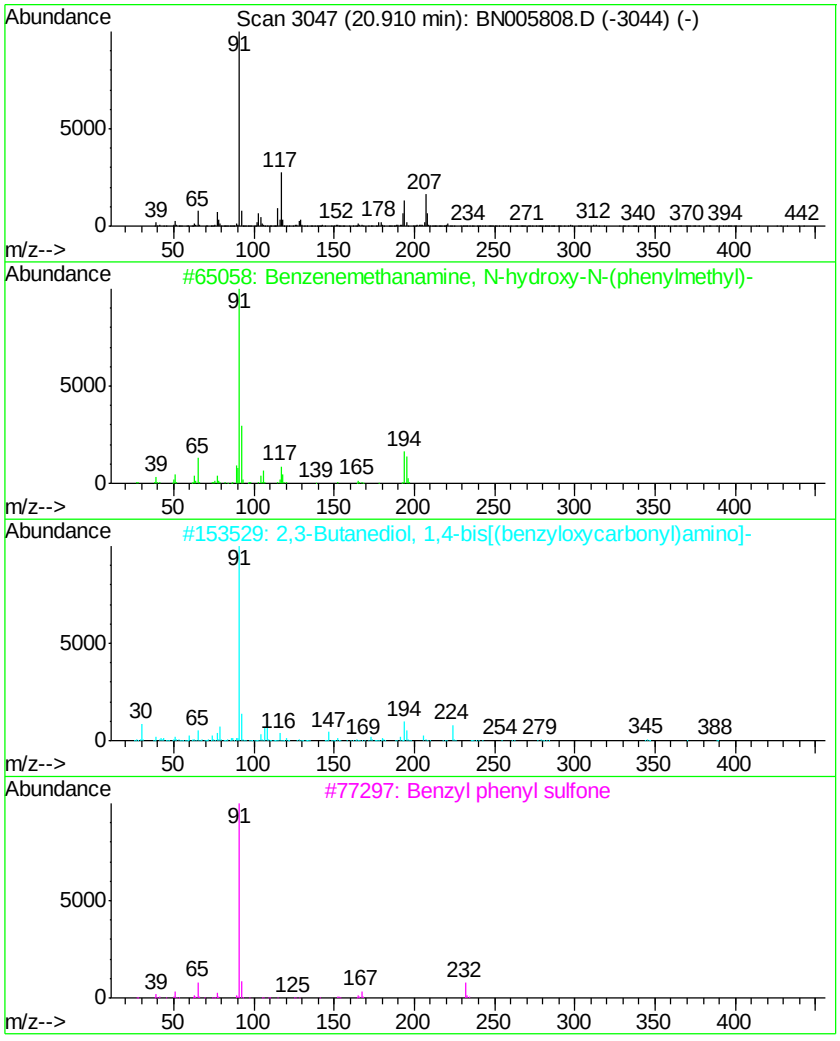
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

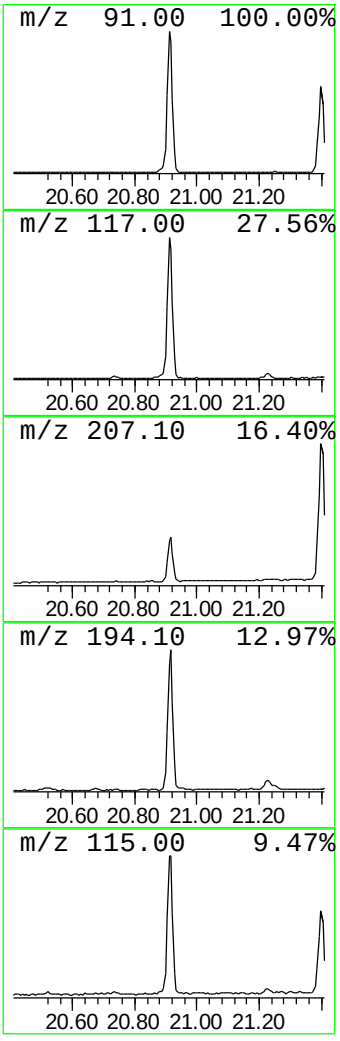
****

Peak Number 18 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	20.12 ng/ul	1993320	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanamine, N-hydroxy-N-...	213	C14H15NO	000621-07-8	25
2	2,3-Butanediol, 1,4-bis[(benzylo...	388	C20H24N2O6	1000163-34-1	16
3	Benzyl phenyl sulfone	232	C13H12O2S	003112-88-7	11
4	Benzonitrile, 3-benzyloxy-	209	C14H11NO	061147-43-1	10
5	5-[p-Benzyloxyphenyl]-2,4-pentad...	308	C20H20O3	015542-29-7	10





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Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

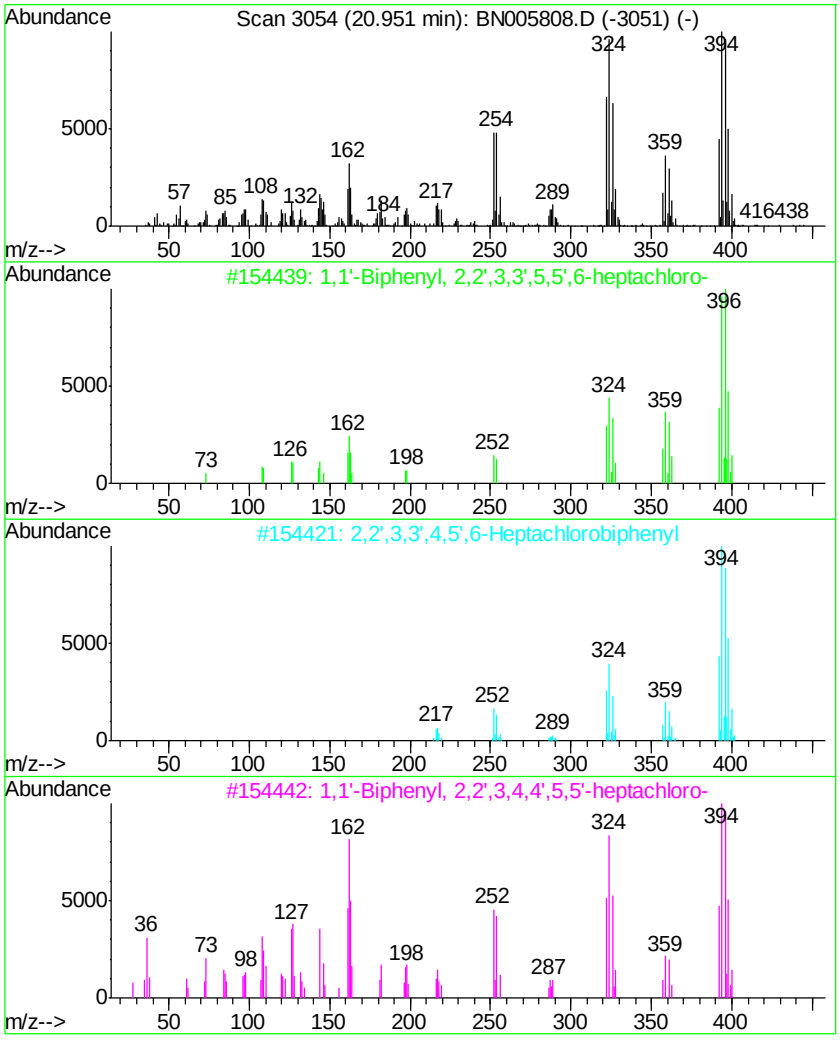
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

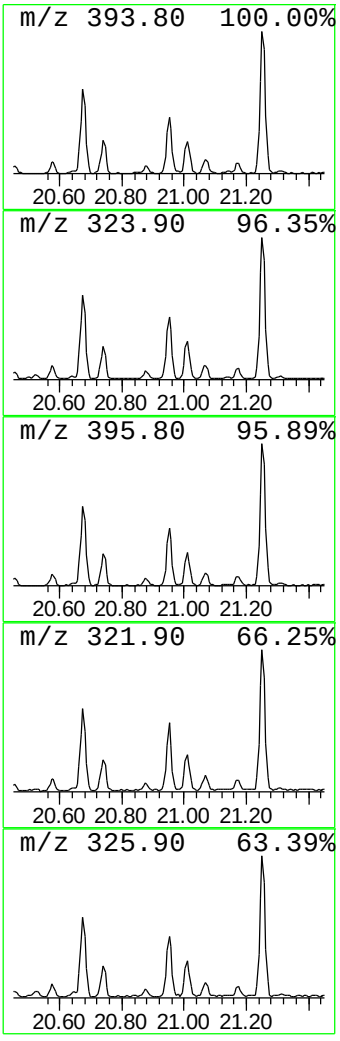
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	10.25 ng/ul	1015120	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,2',3,4,4',5,5'-...	392	C12H3Cl7	035065-29-3	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
5	1,1'-Biphenyl, 2,2',3,4,5,5',6-h...	392	C12H3Cl7	052712-05-7	99





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Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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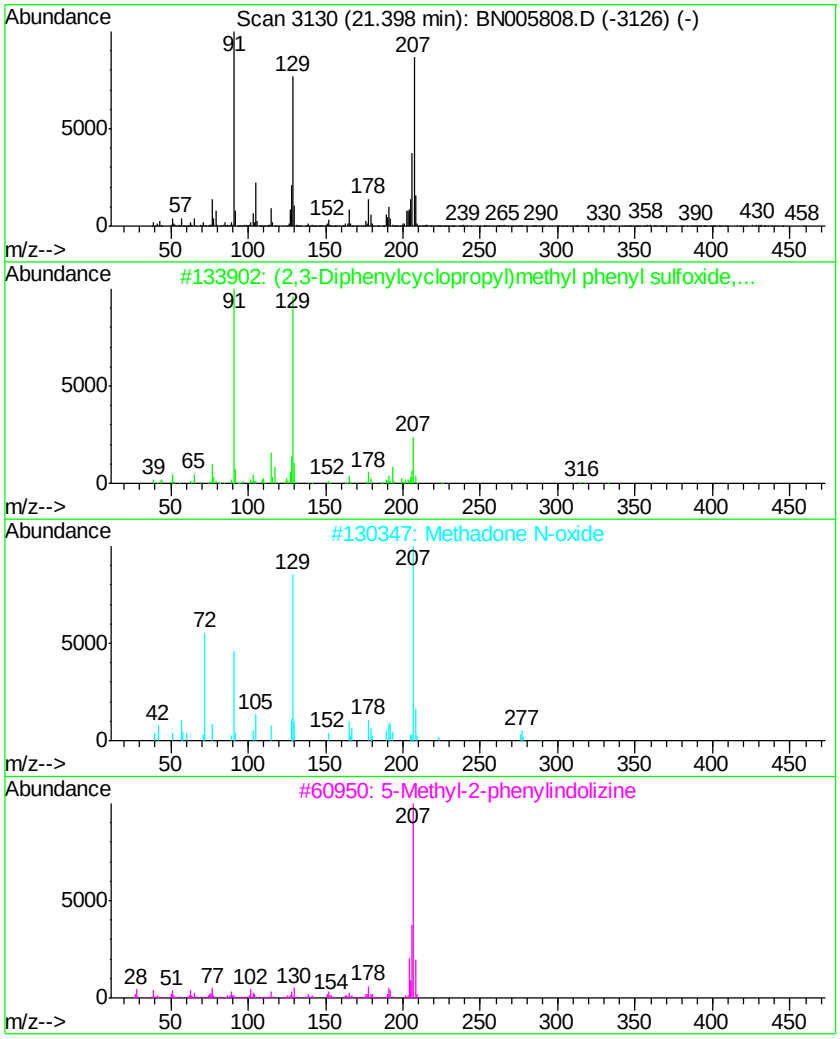
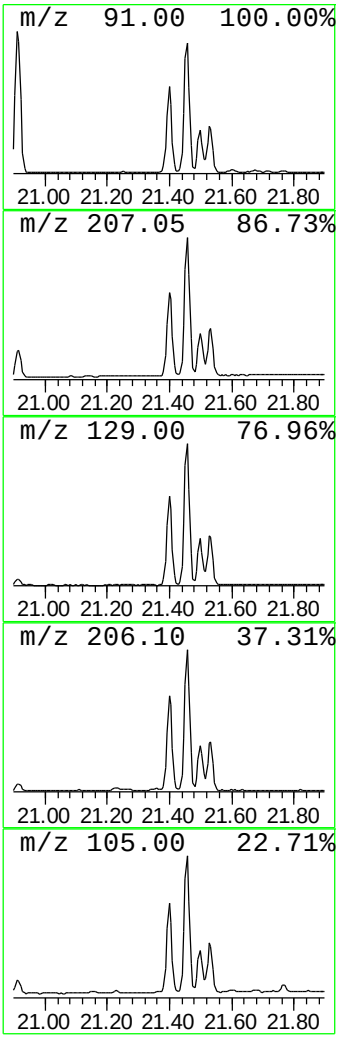
Peak Number 21 (2,3-Diphenylcyclopropyl)me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	28.11 ng/ul	2784880	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	83
2	Methadone N-oxide	325	C21H27NO2	1000120-80-7	72
3	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	55
4	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	55
5	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	50





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Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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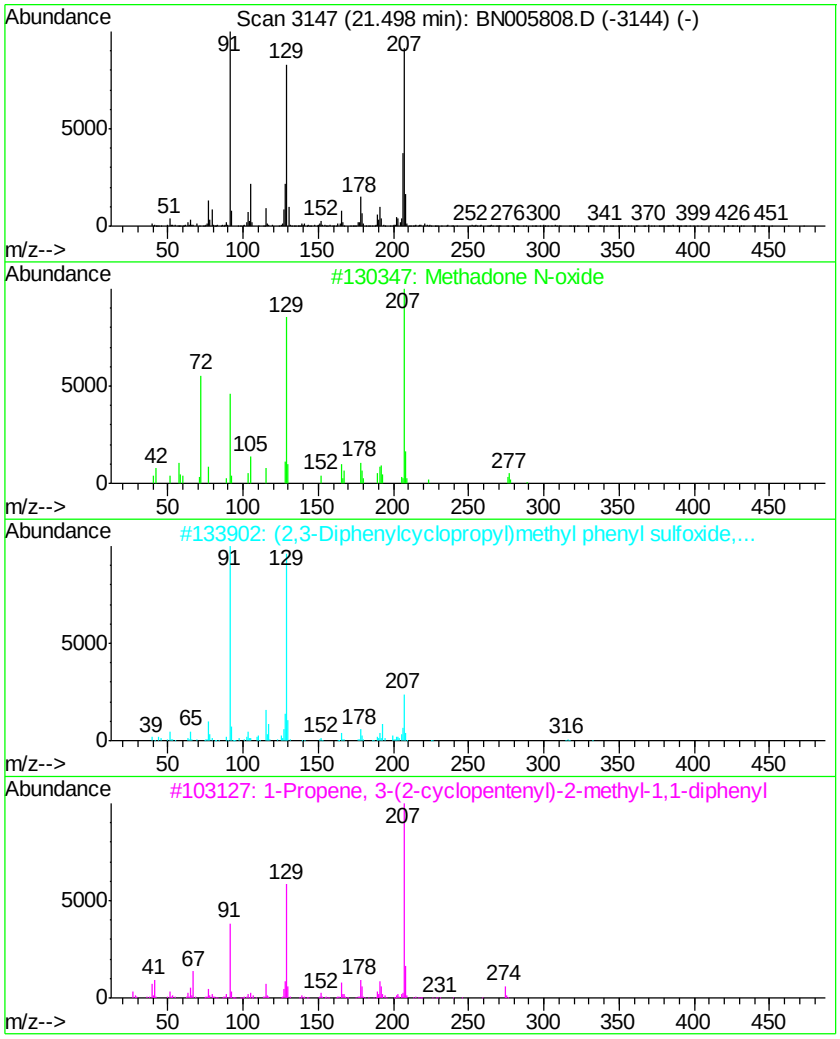
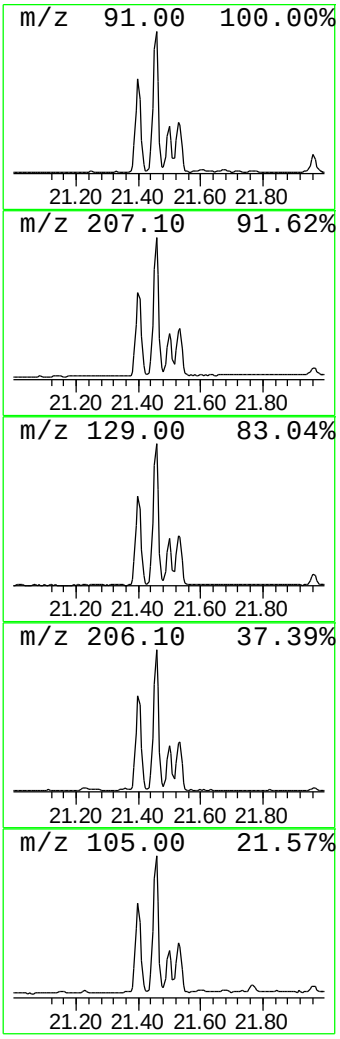
Peak Number 23 Methadone N-oxide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	12.10 ng/ul	1198410	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	72
2	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	64
3	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	64
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46
5	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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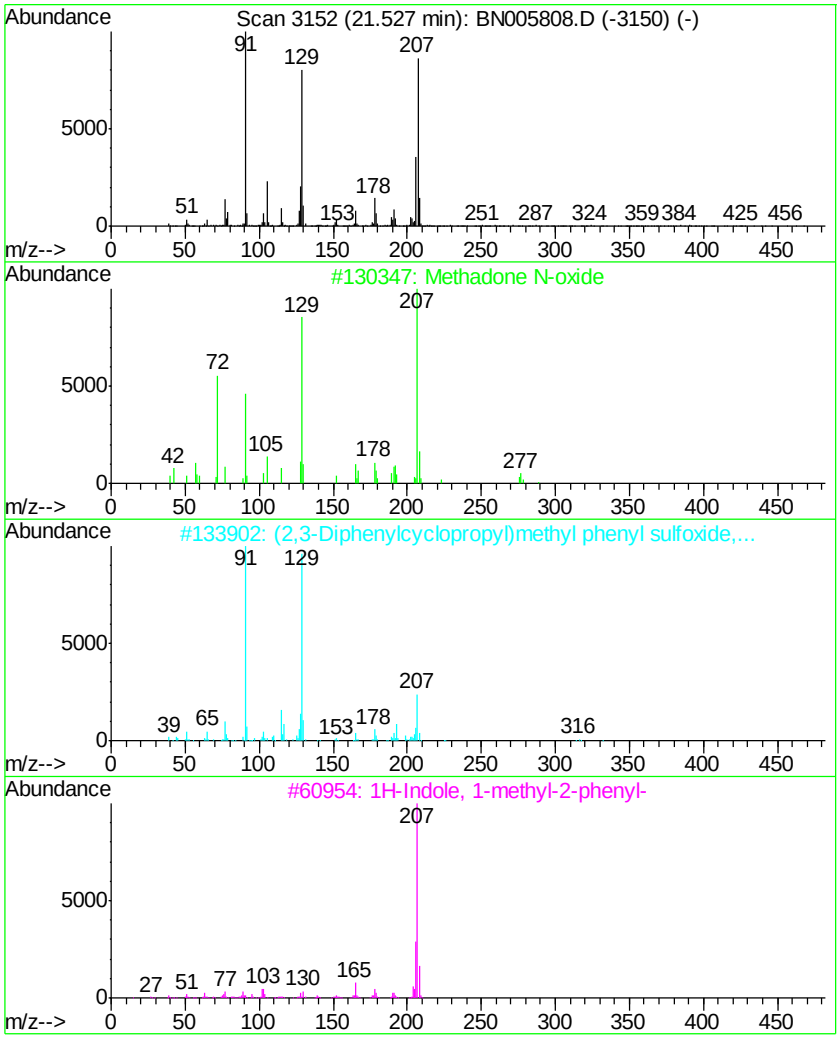
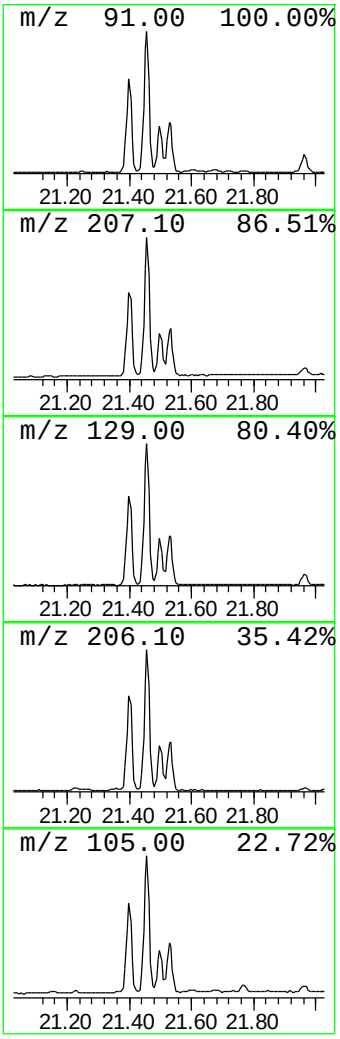
Peak Number 24 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	12.80 ng/ul	1268230	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	64
2	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	64
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	49
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	49
5	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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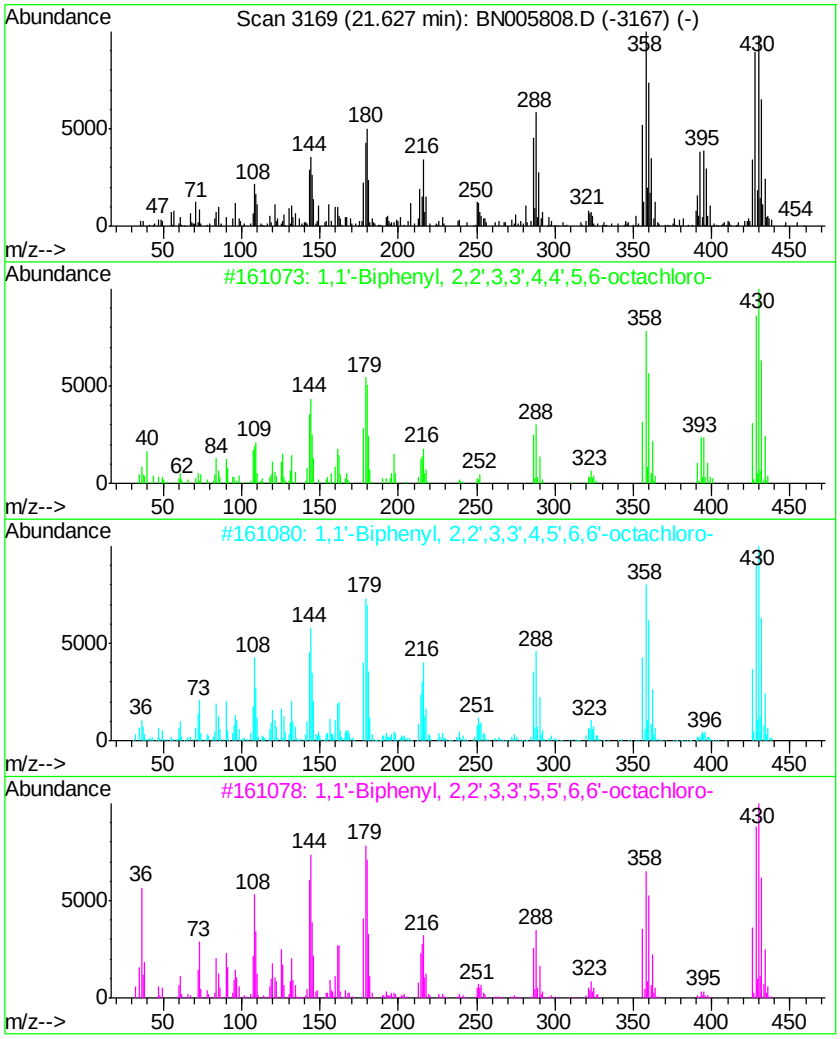
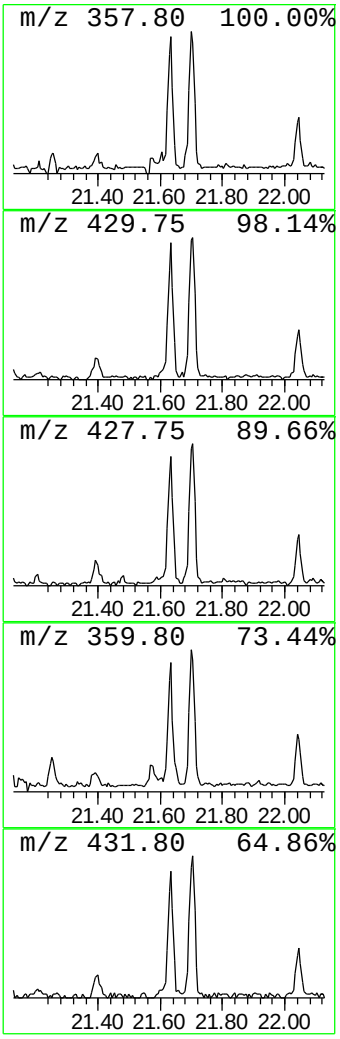
Peak Number 26 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	3.49 ng/ul	345484	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99
2	1,1'-Biphenyl, 2,2',3,3',4,5',6,...	426	C12H2Cl8	040186-71-8	99
3	1,1'-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	99
4	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	068194-17-2	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052019\
Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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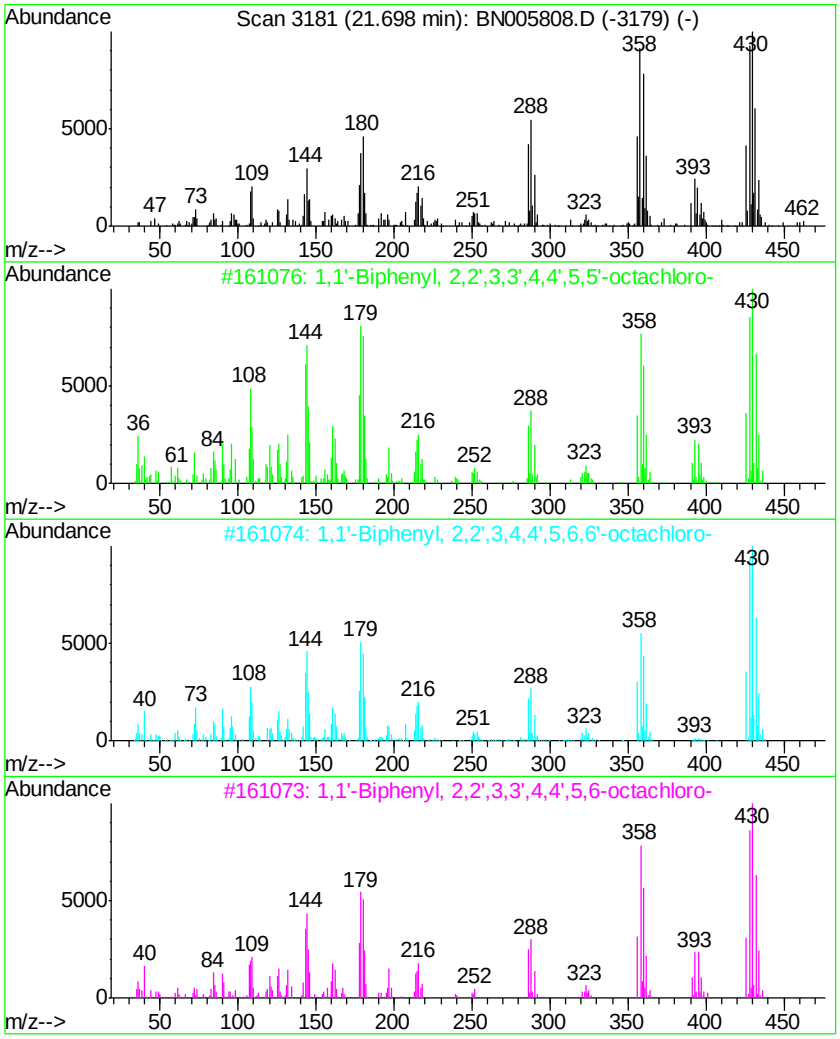
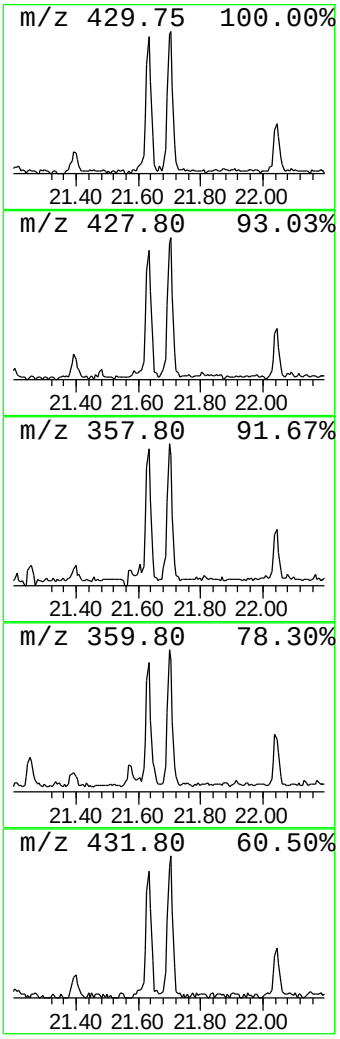
Peak Number 27 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	3.07 ng/ul	304265	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	95
4	1,1'-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	94
5	1,1'-Biphenyl, 2,2',3,3',4,5',6,...	426	C12H2Cl8	040186-71-8	94





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Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION

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

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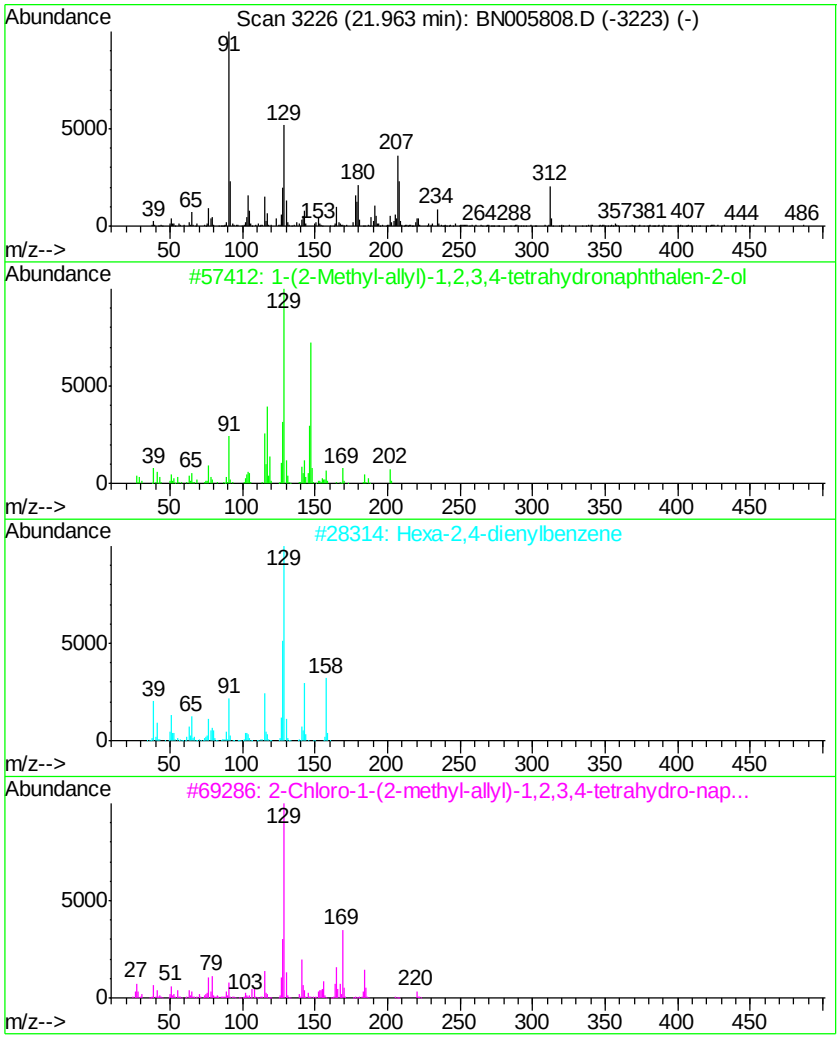
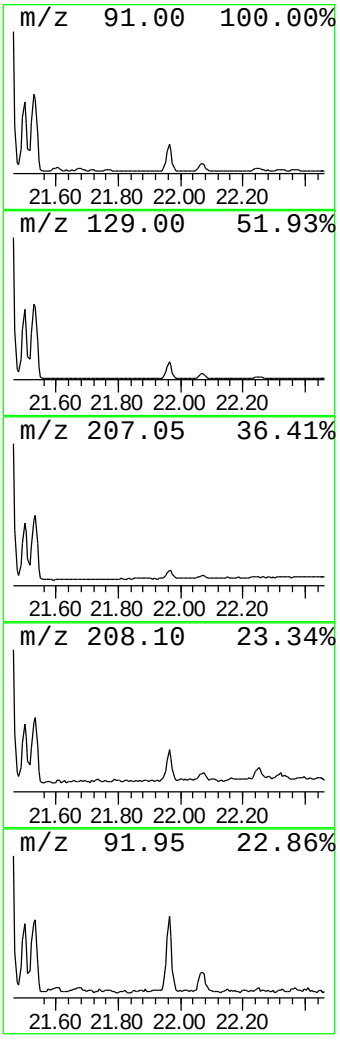
Peak Number 28 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	5.05 ng/ul	499816	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Methyl-allyl)-1,2,3,4-tetra...	202	C14H18O	1000192-52-9	25
2	Hexa-2,4-dienylbenzene	158	C12H14	079482-86-3	22
3	2-Chloro-1-(2-methyl-allyl)-1,2,...	220	C14H17Cl	1000185-82-6	22
4	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	22
5	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	16





Tentatively Identified Compound (LSC) summary

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Data File : BN005808.D
Acq On : 20 May 2019 20:18
Operator : JU/SJ
Sample : K2693-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : BFHL1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.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
unknown-01	3.68	6.0	ng/ul	168217	1	7.57	560125	20.0
Benzene, 1,1'-(1,...	16.57	10.9	ng/ul	981285	4	16.97	1808580	20.0
2-Propanol, 1-chl...	16.74	6.0	ng/ul	538856	4	16.97	1808580	20.0
n-Hexadecanoic acid	17.89	5.7	ng/ul	514902	4	16.97	1808580	20.0
1,1'-Biphenyl, 2,...	18.90	2.7	ng/ul	240289	4	16.97	1808580	20.0
1,1'-Biphenyl, 2,...	19.19	8.5	ng/ul	844020	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	19.65	2.4	ng/ul	232755	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	19.77	5.3	ng/ul	528827	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	19.82	3.0	ng/ul	294103	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	19.92	14.8	ng/ul	1468550	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	19.97	2.1	ng/ul	204613	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	20.12	2.6	ng/ul	256807	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	20.20	20.5	ng/ul	2032020	5	21.23	1981230	20.0
1,1'-Biphenyl, 3,...	20.25	3.7	ng/ul	367399	5	21.23	1981230	20.0
2,2',3,3',4,5',6-...	20.67	11.4	ng/ul	1129450	5	21.23	1981230	20.0
unknown-02	20.91	20.1	ng/ul	1993320	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	20.95	10.3	ng/ul	1015120	5	21.23	1981230	20.0
(2,3-Diphenylcycl...	21.40	28.1	ng/ul	2784880	5	21.23	1981230	20.0
Methadone N-oxide	21.50	12.1	ng/ul	1198410	5	21.23	1981230	20.0
unknown-03	21.53	12.8	ng/ul	1268230	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	21.63	3.5	ng/ul	345484	5	21.23	1981230	20.0
1,1'-Biphenyl, 2,...	21.70	3.1	ng/ul	304265	5	21.23	1981230	20.0
unknown-04	21.96	5.0	ng/ul	499816	5	21.23	1981230	20.0