LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
Data File : BN007689.D
Acq On : 17 Sep 2019 06:02
Operator : HP/JU
Sample : K4633-09DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

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-BN091619MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.016	3	5	19	rVB	1457038	1957398	5.92%	0.813%
2	3.981	166	169	175	rVB3	26646	44183	0.13%	0.018%
3	6.881	655	662	673	rBV2	134677	271678	0.82%	0.113%
4	7.052	686	691	703	rBV	59273	122592	0.37%	0.051%
5	7.240	718	723	732	rVB	140855	244271	0.74%	0.101%
6	7.704	795	802	812	rBV	2330065	3628632	10.97%	1.507%
7	8.404	914	921	929	rBV3	148356	252115	0.76%	0.105%
8	8.846	989	996	1007	rBV	121768	224178	0.68%	0.093%
9	9.563	1113	1118	1125	rBV3	83602	140782	0.43%	0.058%
10	10.098	1203	1209	1217	rBV	183660	319396	0.97%	0.133%
11	10.475	1264	1273	1280	rBV	3223444	5359610	16.20%	2.226%
12	10.522	1280	1281	1289	rVB	65041	80962	0.24%	0.034%
13	10.610	1289	1296	1305	rBV	114056	220751	0.67%	0.092%
14	12.145	1549	1557	1561	rBV4	23714	42248	0.13%	0.018%
15	13.739	1823	1828	1833	rVV	328024	471460	1.42%	0.196%
16	13.786	1833	1836	1843	rVB	132053	184834	0.56%	0.077%
17	14.022	1870	1876	1886	rBV	395322	622422	1.88%	0.259%
18	14.334	1922	1929	1935	rBV	5086441	7339868	22.18%	3.049%
19	14.398	1935	1940	1947	rVB	396439	592518	1.79%	0.246%
20	14.522	1956	1961	1970	rBV2	95159	159223	0.48%	0.066%
21	14.733	1991	1997	2005	rBV	86861	150689	0.46%	0.063%
22	15.328	2092	2098	2103	rBV	520424	750835	2.27%	0.312%
23	15.381	2103	2107	2113	rVB	169056	241263	0.73%	0.100%
24	15.510	2125	2129	2131	rBV4	28392	37931	0.11%	0.016%
25	15.822	2179	2182	2184	rBV4	28715	36798	0.11%	0.015%
26	16.045	2217	2220	2227	rVB4	63912	103359	0.31%	0.043%
27	16.727	2332	2336	2343	rVB	135851	194619	0.59%	0.081%
28	16.833	2348	2354	2356	rBV5	56988	112171	0.34%	0.047%
29	16.892	2361	2364	2371	rVB	133211	195169	0.59%	0.081%
30	17.075	2389	2395	2399	rBV2	5679167	8441421	25.51%	3.506%
31	17.116	2399	2402	2407	rVV	2784715	3682992	11.13%	1.530%
32	17.175	2407	2412	2414	rVV	605011	843318	2.55%	0.350%
33	17.204	2414	2417	2423	rVV	644581	918926	2.78%	0.382%
34	17.263	2423	2427	2432	rVB	157181	230381	0.70%	0.096%

LSC Area Percent Report

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Data File : BN007689.D
Acq On : 17 Sep 2019 06:02
Operator : HP/JU
Sample : K4633-09DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

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-BN091619MA.M
Title : SVOA CALIBRATION

35	17.475	2454	2463	2468	rBV2	515857	905034	2.73%	0.376%
36	17.951	2541	2544	2547	rBV2	209416	237661	0.72%	0.099%
37	17.998	2547	2552	2560	rVB	385441	619582	1.87%	0.257%
38	18.080	2563	2566	2569	rVB	118831	144104	0.44%	0.060%
39	18.145	2572	2577	2581	rBV2	453475	778310	2.35%	0.323%
40	18.180	2581	2583	2589	rVB5	166226	231375	0.70%	0.096%
41	18.457	2627	2630	2632	rBV	204648	214006	0.65%	0.089%
42	18.492	2633	2636	2640	rVV2	220893	290558	0.88%	0.121%
43	19.139	2741	2746	2750	rBV	8010117	11677381	35.29%	4.851%
44	19.474	2799	2803	2804	rBV2	1732313	2100687	6.35%	0.873%
45	19.504	2804	2808	2816	rVB	7910076	10772634	32.55%	4.475%
46	19.574	2817	2820	2823	rBV2	255167	327442	0.99%	0.136%
47	19.686	2835	2839	2842	rBV	747261	1324853	4.00%	0.550%
48	19.739	2845	2848	2852	rVV	1191777	1843926	5.57%	0.766%
49	20.745	3016	3019	3028	rBV2	1259048	2702217	8.17%	1.122%
50	20.916	3045	3048	3051	rVB	1389270	1493321	4.51%	0.620%
51	20.992	3058	3061	3066	rVV2	1006753	1790677	5.41%	0.744%
52	21.045	3067	3070	3078	rVB3	1758975	2823636	8.53%	1.173%
53	21.221	3097	3100	3102	rBV	928645	1182400	3.57%	0.491%
54	21.263	3102	3107	3112	rVV3	10736791	23292729	70.39%	9.675%
55	21.310	3112	3115	3120	rVB	9535292	11449786	34.60%	4.756%
56	21.392	3126	3129	3130	rBV2	1670384	1998874	6.04%	0.830%
57	21.580	3157	3161	3166	rBV2	2085334	2943854	8.90%	1.223%
58	22.839	3368	3375	3380	rBV	15423653	33091328	100.00%	13.746%
59	22.998	3399	3402	3408	rVB2	1480122	2485672	7.51%	1.033%
60	23.133	3421	3425	3429	rBV	1011224	1852341	5.60%	0.769%
61	23.310	3449	3455	3464	rVB	12128179	21888198	66.14%	9.092%
62	23.404	3465	3471	3478	rVB	8196364	15019365	45.39%	6.239%
63	23.498	3481	3487	3491	rVV	4769664	9209894	27.83%	3.826%
64	23.545	3492	3495	3503	rVB2	2338528	3933328	11.89%	1.634%
65	25.721	3857	3865	3875	rVB	6302579	18211302	55.03%	7.565%
66	26.403	3972	3981	3997	rVB	5186558	15684233	47.40%	6.515%

Sum of corrected areas: 240739701

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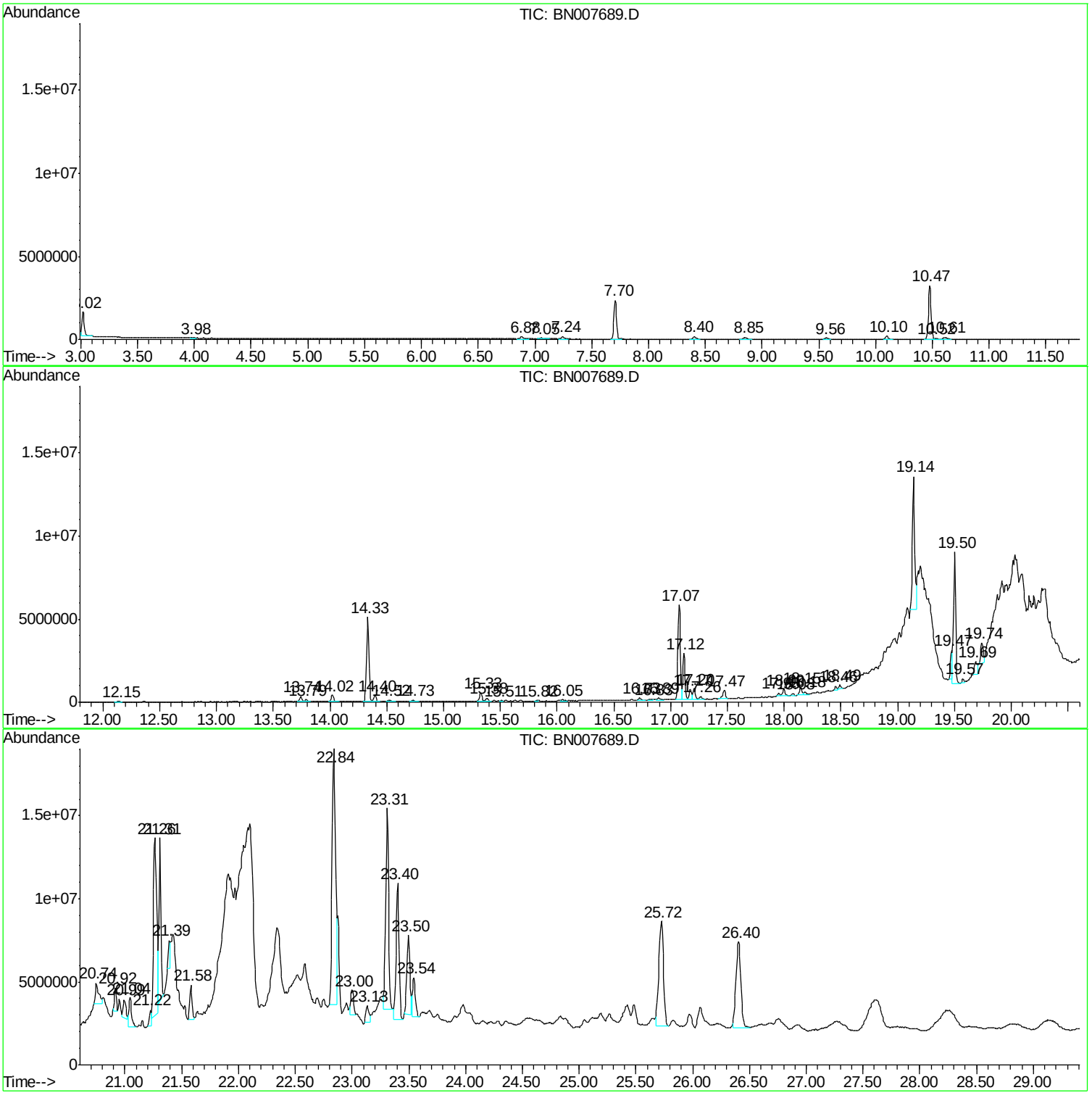
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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\BN091619\
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Acq On : 17 Sep 2019 06:02
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Misc :
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Instrument : BNA_N
ClientSampleId : F2D07DL

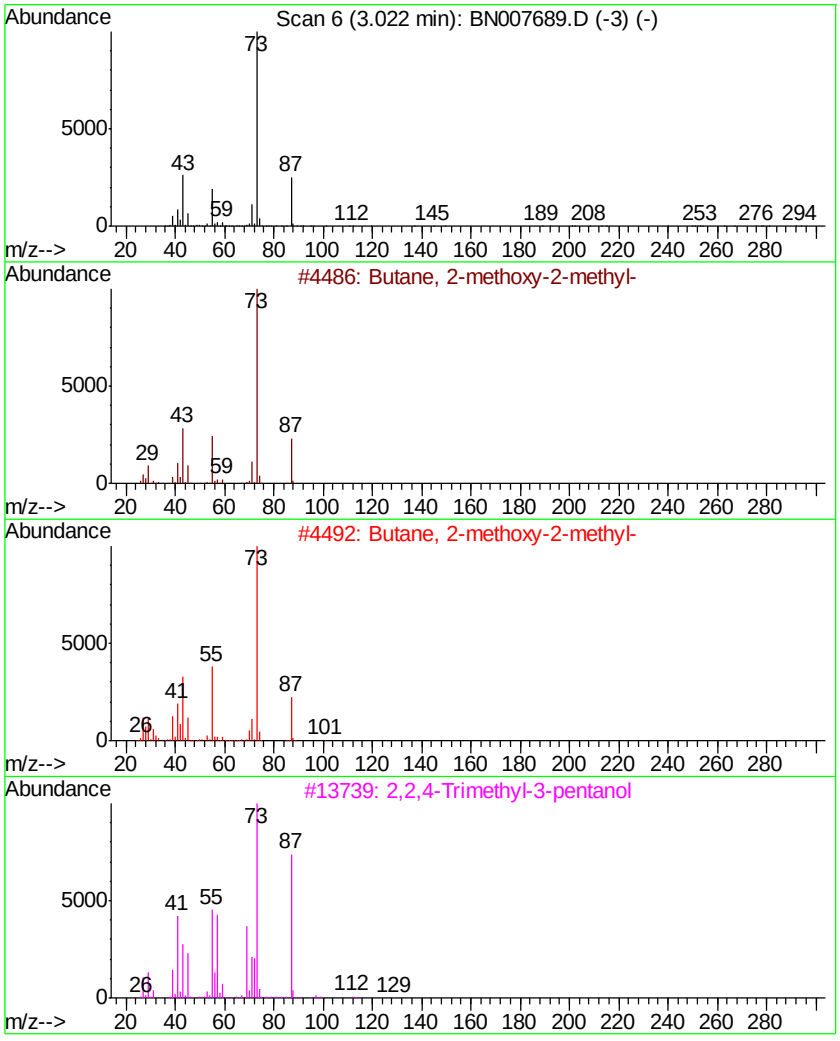
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

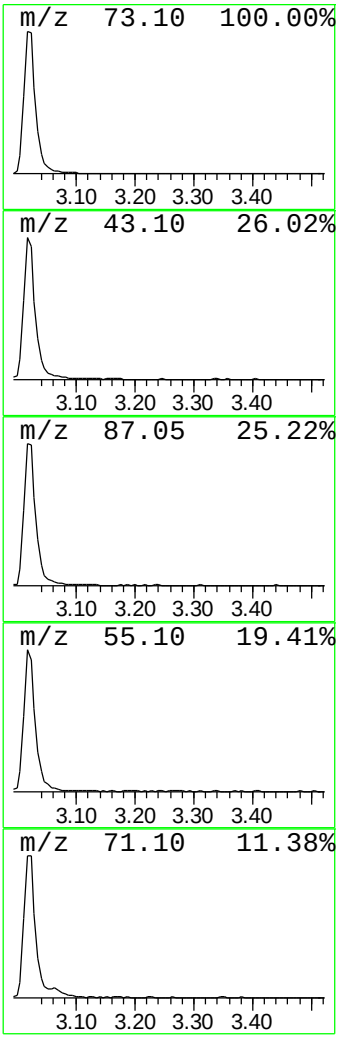
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	10.79 ng/ul	1957400	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
Data File : BN007689.D
Acq On : 17 Sep 2019 06:02
Operator : HP/JU
Sample : K4633-09DL 20X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

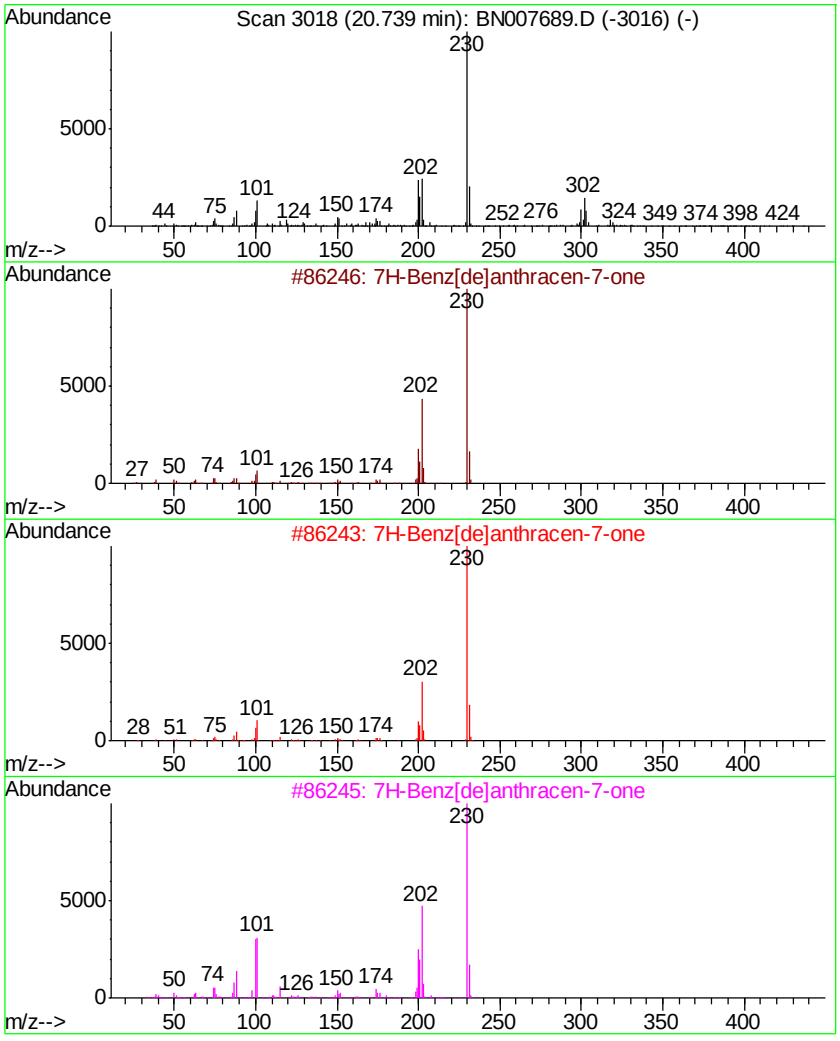
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

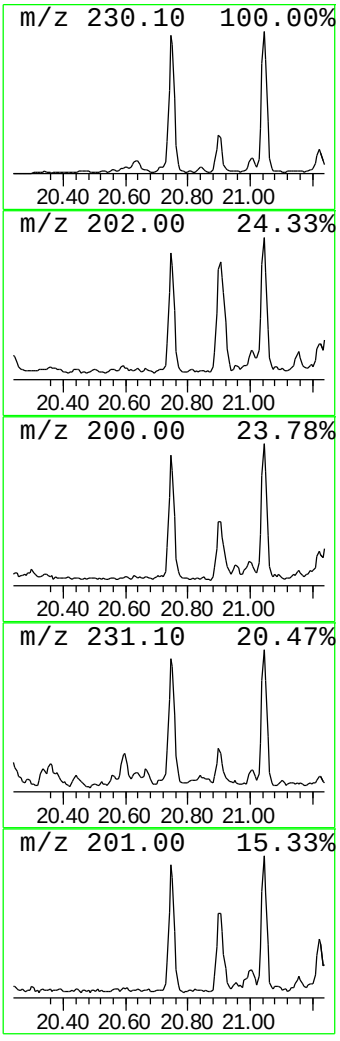
****

Peak Number 2 7H-Benz[de]anthracen-7-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.32 ng/ul	2702220	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	o-Terphenyl	230	C18H14	000084-15-1	49
5	p-Terphenyl	230	C18H14	000092-94-4	47





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Operator : HP/JU
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

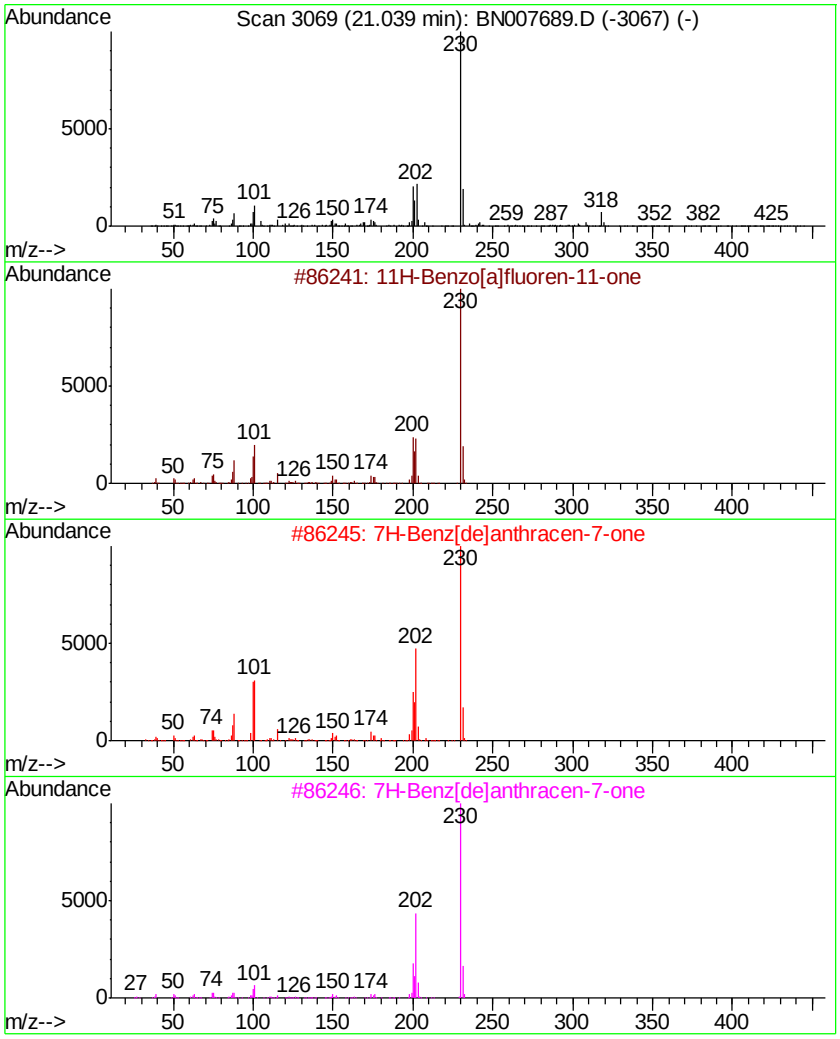
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

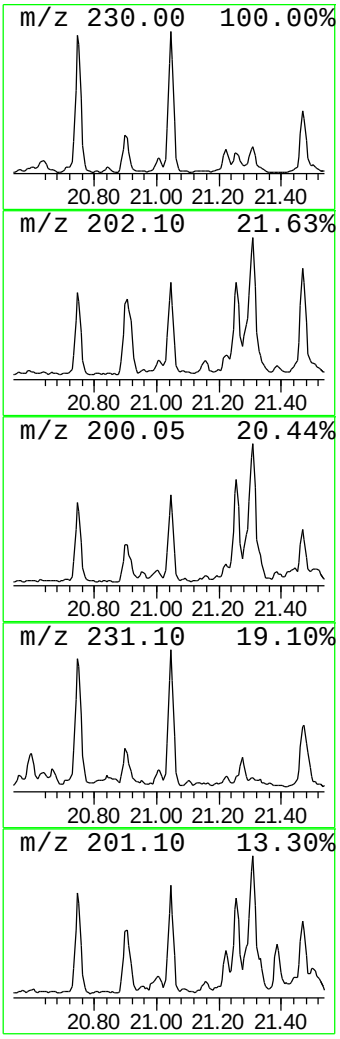
****

Peak Number 3 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.42 ng/ul	2823640	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

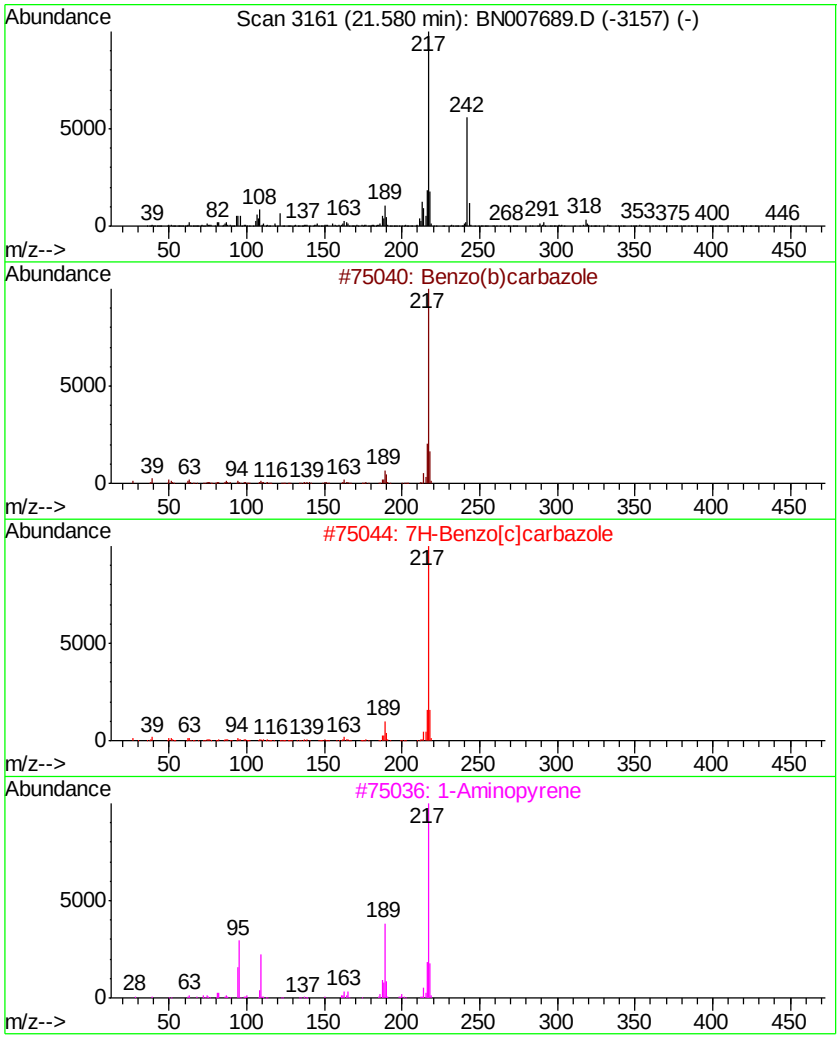
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

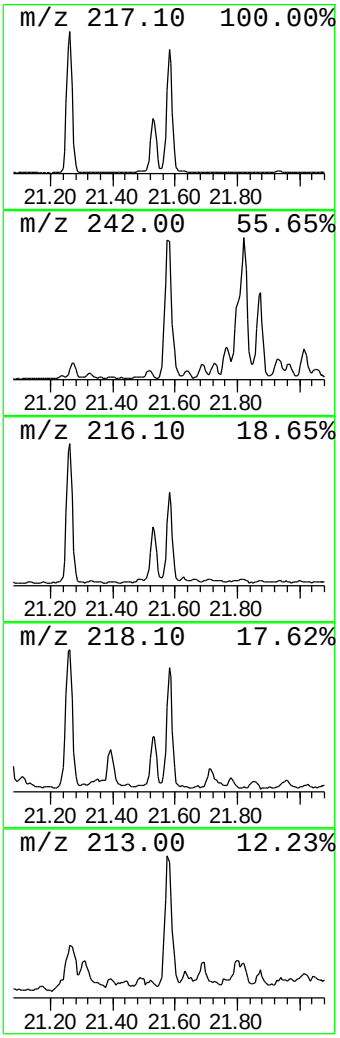
****

Peak Number 4 Benzo(b)carbazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.53 ng/ul	2943850	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	64
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
3	1-Aminopyrene	217	C16H11N	001606-67-3	60
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	53
5	Benzo(b)carbazole	217	C16H11N	000243-28-7	53





Library Search Compound Report

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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

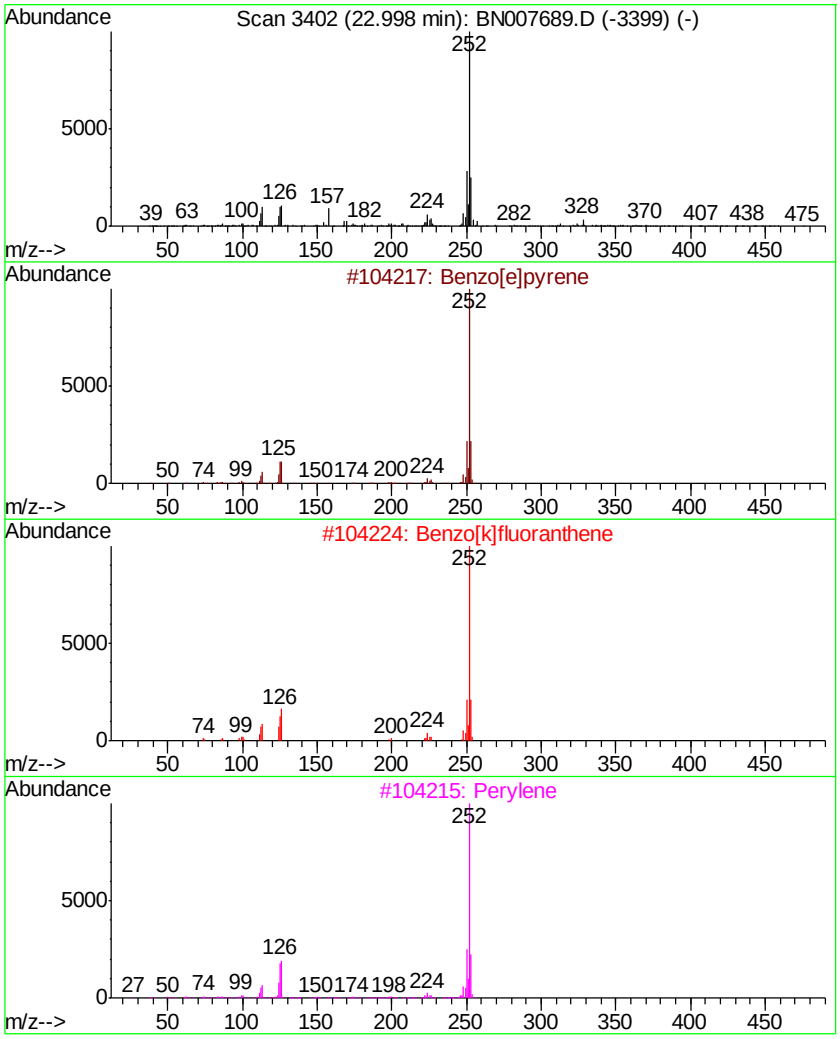
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

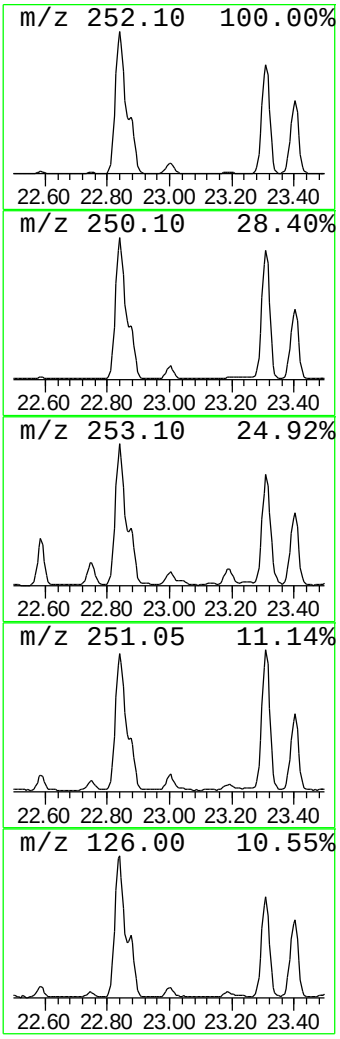
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.00	5.40 ng/ul	2485670	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	90





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

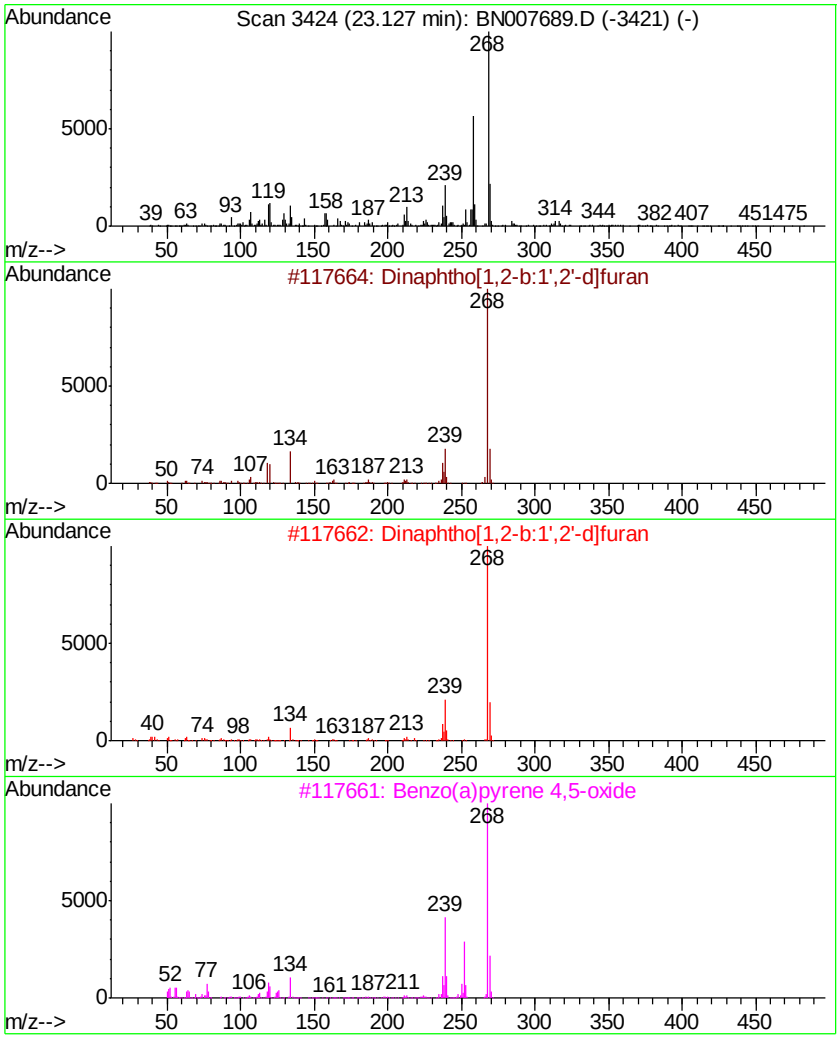
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

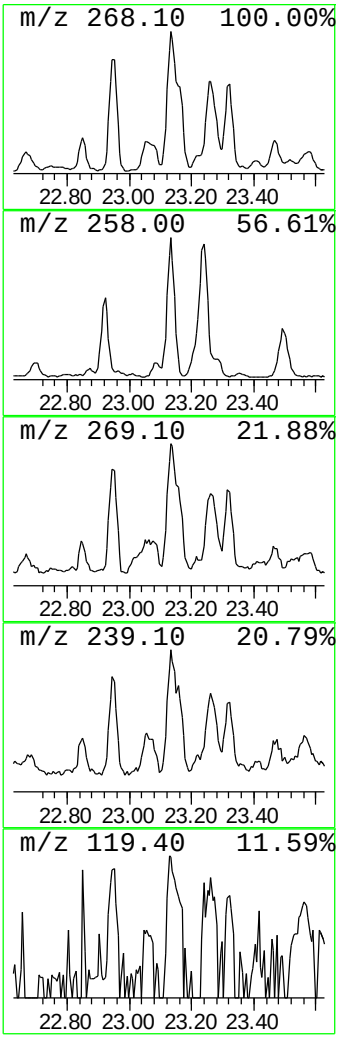
****

Peak Number 6 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.13	4.02 ng/ul	1852340	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	49
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091619\
Data File : BN007689.D
Acq On : 17 Sep 2019 06:02
Operator : HP/JU
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D07DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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
Butane, 2-methoxy...	3.02	10.8	ng/ul	1957400	1	7.70	3628630	20.0
7H-Benz[de]anthra...	20.74	2.3	ng/ul	2702220	5	21.27	23292700	20.0
11H-Benzo[a]fluor...	21.04	2.4	ng/ul	2823640	5	21.27	23292700	20.0
Benzo(b)carbazole	21.58	2.5	ng/ul	2943850	5	21.27	23292700	20.0
Benzo[e]pyrene	23.00	5.4	ng/ul	2485670	6	23.50	9209890	20.0
Dinaphtho[1,2-b:1...	23.13	4.0	ng/ul	1852340	6	23.50	9209890	20.0