LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
Data File : BN002253.D
Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN071318MA.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	3.252	42	45	50	rVB	36196	41642	1.64%	0.098%
2	3.869	147	150	158	rVB2	27583	43211	1.70%	0.102%
3	5.710	457	463	472	rBV	239331	370761	14.56%	0.871%
4	6.869	653	660	674	rBV	588238	1062803	41.75%	2.497%
5	7.028	681	687	701	rVB	525442	814329	31.99%	1.913%
6	7.222	714	720	733	rVB	653405	1049143	41.21%	2.465%
7	7.687	792	799	808	rBV	903677	1429417	56.15%	3.359%
8	8.393	912	919	934	rBV	724876	1240618	48.74%	2.915%
9	8.834	987	994	1004	rBV	621150	1032911	40.58%	2.427%
10	9.551	1109	1116	1127	rBV	504649	833180	32.73%	1.958%
11	10.087	1200	1207	1226	rBV	718470	1238816	48.67%	2.911%
12	10.457	1261	1270	1284	rVB	1217711	2074846	81.51%	4.875%
13	10.598	1284	1294	1309	rBV	674266	1200839	47.17%	2.822%
14	13.216	1734	1739	1747	rVB2	18307	28945	1.14%	0.068%
15	13.728	1820	1826	1831	rBV	1171563	1688172	66.32%	3.967%
16	13.775	1831	1834	1843	rVB	367656	521678	20.49%	1.226%
17	14.010	1867	1874	1881	rBV	1368855	2049422	80.51%	4.816%
18	14.104	1884	1890	1896	rVB	42584	67883	2.67%	0.160%
19	14.316	1919	1926	1935	rBV2	1467691	2343386	92.06%	5.506%
20	14.539	1958	1964	1978	rBV	132727	299177	11.75%	0.703%
21	15.316	2089	2096	2103	rBV	1596211	2322206	91.23%	5.457%
22	15.445	2112	2118	2129	rBV	210162	323375	12.70%	0.760%
23	16.257	2252	2256	2265	rVB	29338	43290	1.70%	0.102%
24	16.675	2322	2327	2334	rVB	91762	122225	4.80%	0.287%
25	17.069	2387	2394	2399	rBV2	1610741	2285865	89.80%	5.371%
26	17.163	2404	2410	2424	rVB	1547042	2219231	87.18%	5.215%
27	17.798	2513	2518	2524	rBV	35095	46495	1.83%	0.109%
28	17.969	2543	2547	2556	rBV4	53590	88851	3.49%	0.209%
29	18.110	2565	2571	2579	rBV	422832	572104	22.47%	1.344%
30	18.210	2583	2588	2591	rVV	428685	636814	25.02%	1.496%
31	18.263	2591	2597	2603	rVB	667342	1289973	50.68%	3.031%
32	18.804	2683	2689	2696	rBV	242063	323373	12.70%	0.760%
33	18.939	2708	2712	2720	rVB	279312	369752	14.53%	0.869%
34	19.127	2740	2744	2750	rVB	87539	119411	4.69%	0.281%

LSC Area Percent Report

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Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN071318MA.M
Title : SVOA CALIBRATION

35	19.380	2784	2787	2795	rVB2	65200	79281	3.11%	0.186%
36	19.463	2795	2801	2810	rBV	1734509	2456740	96.51%	5.773%
37	19.610	2823	2826	2832	rVB4	24159	30868	1.21%	0.073%
38	19.992	2884	2891	2893	rBV	487402	917776	36.05%	2.157%
39	20.069	2899	2904	2911	rVB2	343056	540645	21.24%	1.270%
40	20.269	2934	2938	2941	rBV2	27673	31696	1.25%	0.074%
41	20.439	2963	2967	2973	rVB	138312	170658	6.70%	0.401%
42	20.510	2975	2979	2984	rBV3	98351	142066	5.58%	0.334%
43	20.563	2985	2988	2994	rVB2	26880	35250	1.38%	0.083%
44	20.627	2996	2999	3003	rVB	42343	49918	1.96%	0.117%
45	20.674	3005	3007	3011	rVB3	29054	36100	1.42%	0.085%
46	20.992	3058	3061	3065	rVB2	49456	53874	2.12%	0.127%
47	21.263	3101	3107	3112	rBV	1779346	2339540	91.91%	5.497%
48	21.427	3132	3135	3139	rVB3	71884	88020	3.46%	0.207%
49	21.492	3142	3146	3149	rBV	43740	56761	2.23%	0.133%
50	21.863	3205	3209	3213	rBV	79107	105607	4.15%	0.248%
51	22.321	3284	3287	3292	rVB2	67230	80898	3.18%	0.190%
52	22.821	3368	3372	3378	rBV3	124399	213511	8.39%	0.502%
53	23.351	3455	3462	3476	rVB2	1250863	2545573	100.00%	5.981%
54	23.486	3479	3485	3493	rVB	1174068	2260600	88.81%	5.312%
55	24.021	3572	3576	3581	rVB2	70716	128548	5.05%	0.302%

Sum of corrected areas: 42558074

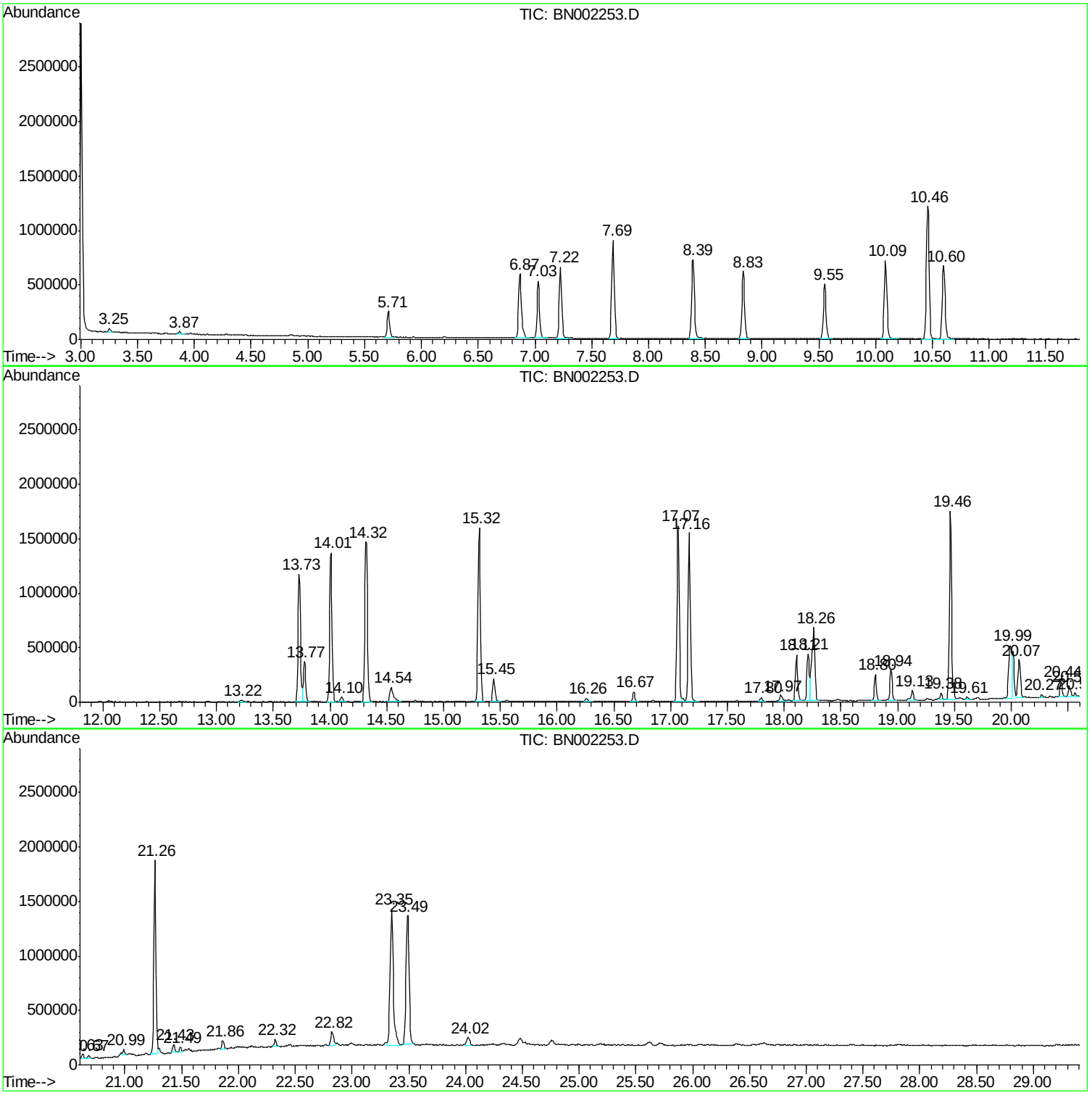
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
Data File : BN002253.D
Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
Data File : BN002253.D
Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

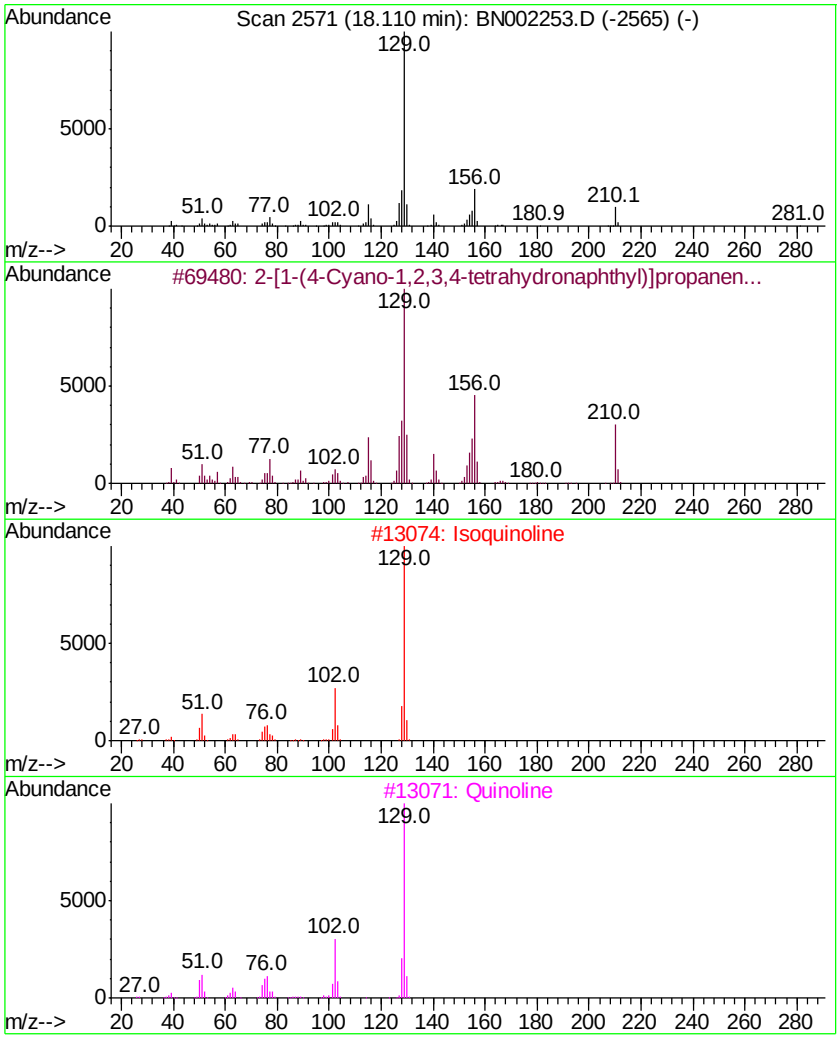
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

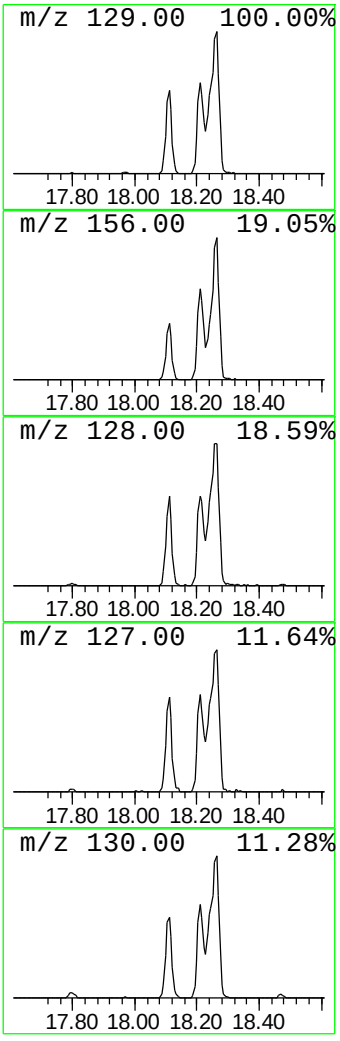
****

Peak Number 2 2-[1-(4-Cyano-1,2,3,4-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	5.01 ng/ul	572104	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-39-3	50
2	Isoquinoline	129	C9H7N	000119-65-3	49
3	Quinoline	129	C9H7N	000091-22-5	40
4	3-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-40-6	40
5	Isoquinoline	129	C9H7N	000119-65-3	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
Data File : BN002253.D
Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

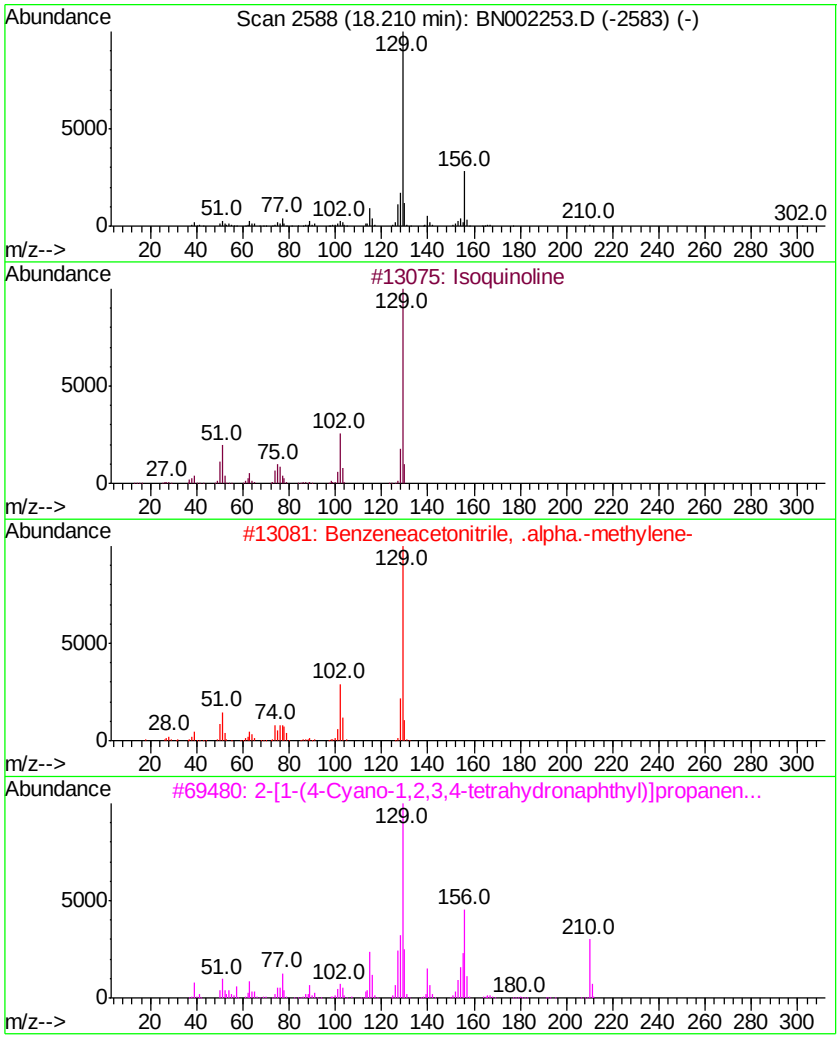
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

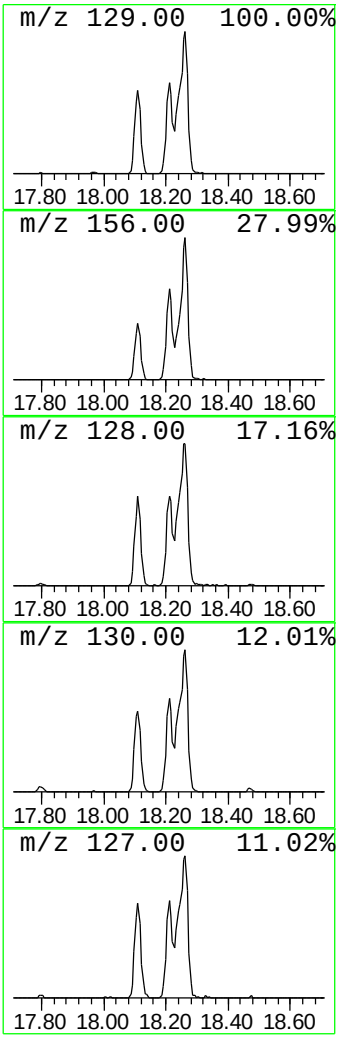
****

Peak Number 3 Isoquinoline Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	5.57 ng/ul	636814	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	52
2	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	47
3	2-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-39-3	46
4	3-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-40-6	45
5	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080818\
Data File : BN002253.D
Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

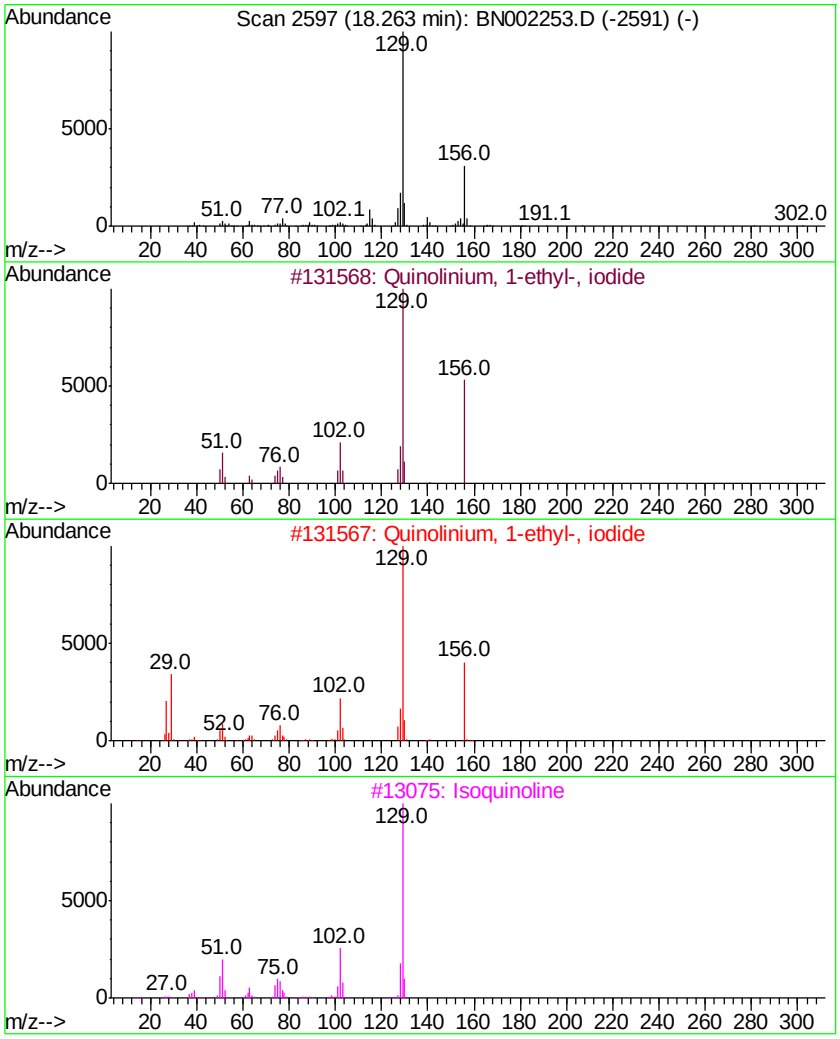
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

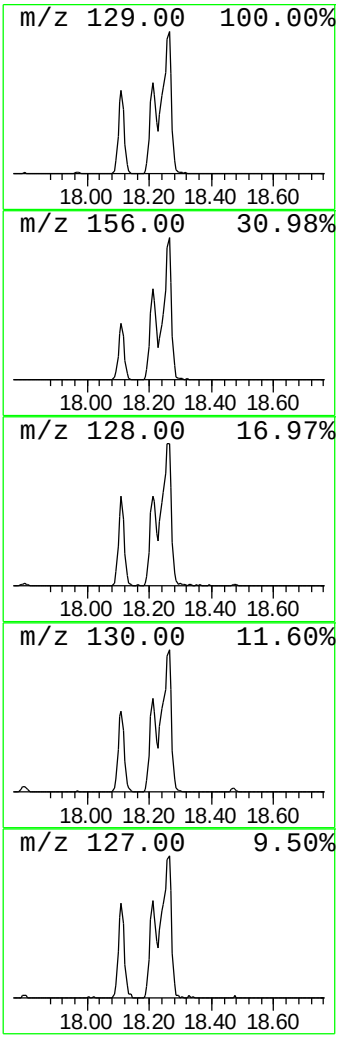
****

Peak Number 4 Quinolinium, 1-ethyl-, iodide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	11.29 ng/ul	1289970	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinolinium, 1-ethyl-, iodide	285	C11H12IN	000634-35-5	72
2	Quinolinium, 1-ethyl-, iodide	285	C11H12IN	000634-35-5	72
3	Isoquinoline	129	C9H7N	000119-65-3	50
4	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	43
5	Isoquinoline	129	C9H7N	000119-65-3	40





Library Search Compound Report

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Acq On : 08 Aug 2018 15:58
Operator : JU/SJ
Sample : J4268-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

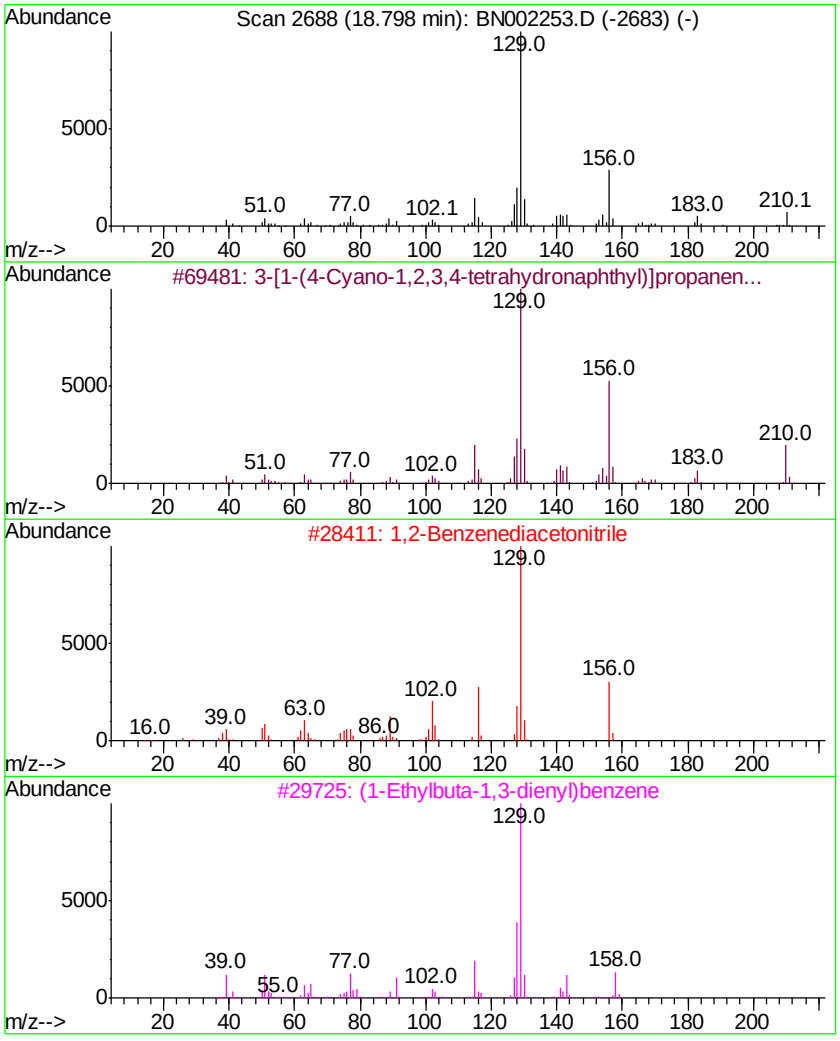
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

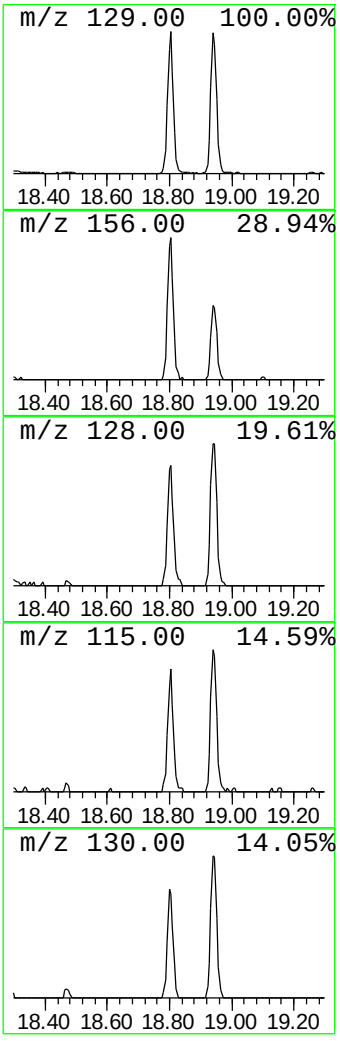
****

Peak Number 5 3-[1-(4-Cyano-1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	2.83 ng/ul	323373	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-[1-(4-Cyano-1,2,3,4-tetrahydro...	210	C14H14N2	057964-40-6	95
2	1,2-Benzenediacetonitrile	156	C10H8N2	000613-73-0	50
3	(1-Ethylbuta-1,3-dienyl)benzene	158	C12H14	1000210-05-6	50
4	Naphthalene, 1,2-dihydro-2-methyl-	144	C11H12	021564-79-4	50
5	4,5-Dimethylthiazole S-oxide	129	C5H7NOS	1000112-53-4	47





Library Search Compound Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

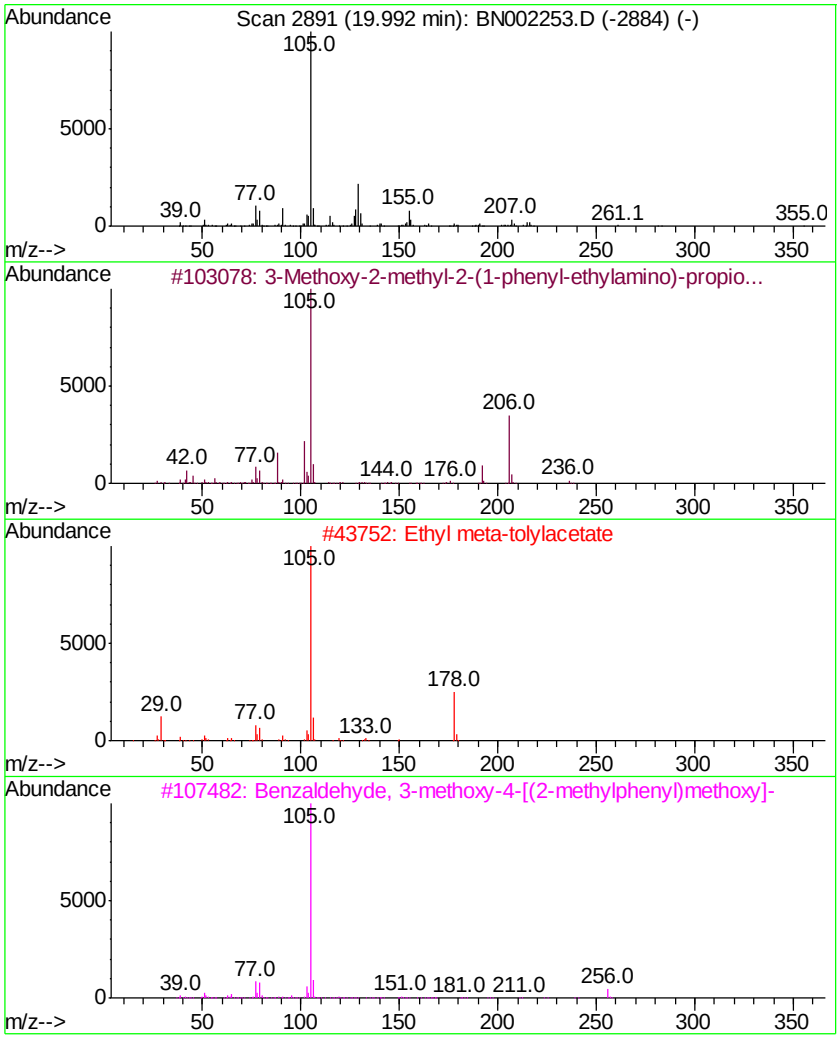
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

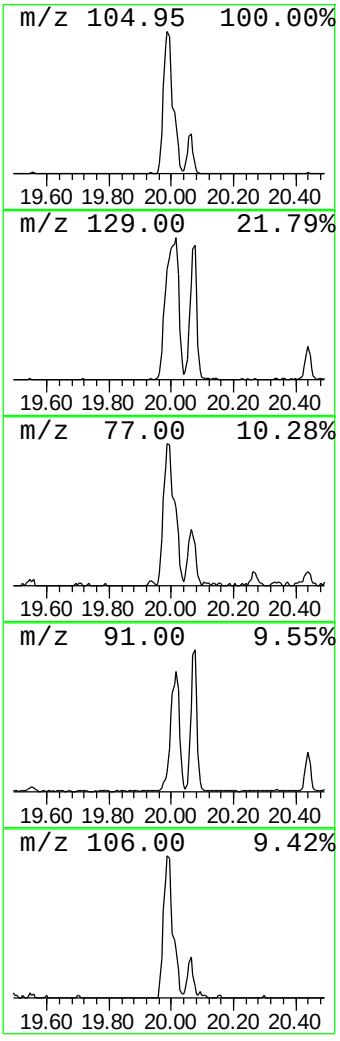
****

Peak Number 7 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	7.85 ng/ul	917776	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-2-methyl-2-(1-phenyl-e...	251	C14H21NO3	1000194-45-0	35
2	Ethyl meta-tolylacetate	178	C11H14O2	040061-55-0	25
3	Benzaldehyde, 3-methoxy-4-[(2-me...	256	C16H16O3	1000338-23-4	22
4	Benzenethanamine, N-acetyl-.alph...	202	C12H14N2O	1000227-03-7	22
5	Oxalic acid, diamide, N,N'-bis(4...	296	C18H20N2O2	1000309-62-7	22





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Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION

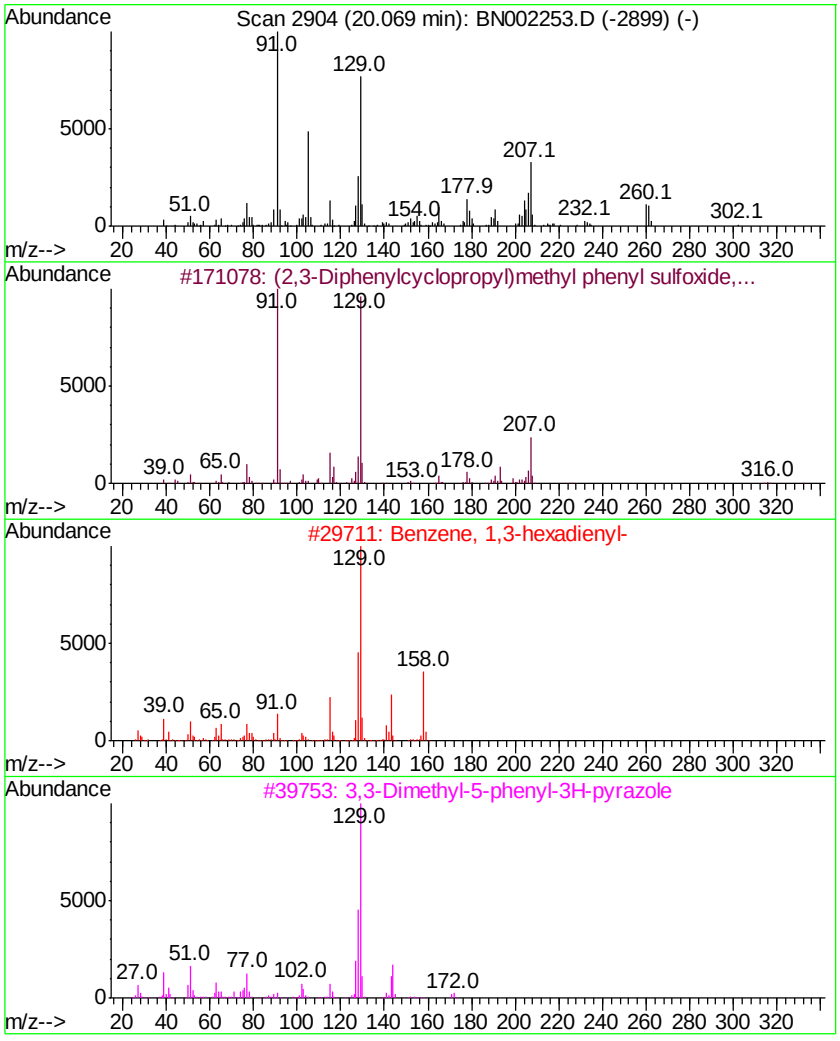
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

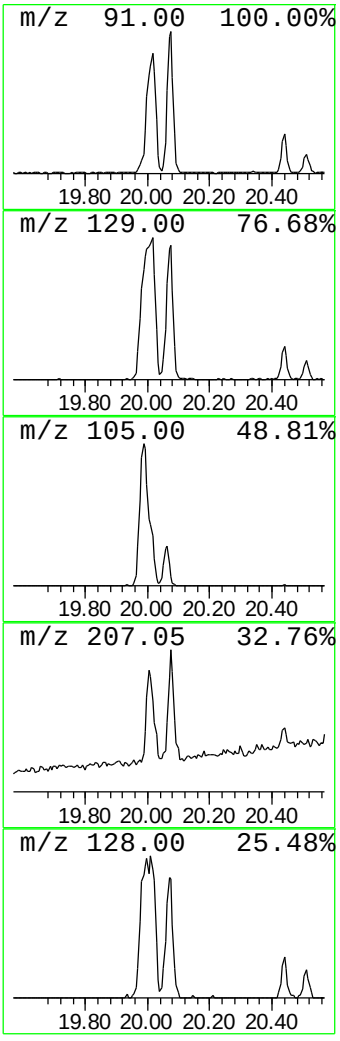
****

Peak Number 8 (2,3-Diphenylcyclopropyl)me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	4.62 ng/ul	540645	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	50
2	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	43
3	3,3-Dimethyl-5-phenyl-3H-pyrazole	172	C11H12N2	005363-10-0	43
4	Naphthalene, 1,2-dihydro-2-methyl-	144	C11H12	021564-79-4	43
5	Boronic acid, (2-cyclohexylidene...	308	C18H37BOSi	074810-48-3	37





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080818\
Data File : BN002253.D
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Sample : J4268-09
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Instrument : BNA_N
ClientSampleId : C0AA1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.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
2-[1-(4-Cyano-1,2...	18.11	5.0	ng/ul	572104	4	17.07	2285870	20.0
Isoquinoline	18.21	5.6	ng/ul	636814	4	17.07	2285870	20.0
Quinolinium, 1-et...	18.26	11.3	ng/ul	1289970	4	17.07	2285870	20.0
3-[1-(4-Cyano-1,2...	18.80	2.8	ng/ul	323373	4	17.07	2285870	20.0
unknown-01	19.99	7.8	ng/ul	917776	5	21.26	2339540	20.0
(2,3-Diphenylcycl...	20.07	4.6	ng/ul	540645	5	21.26	2339540	20.0